

**MEETING MINUTES
PUBLIC WORKS COUNCIL COMMITTEE
West Des Moines City Hall Training Room
September 28, 2015**

Attending:

Council Member – Rick Messerschmidt
Council Member – Kevin Trevilayan
City Engineer – Duane Wittstock
Parks & Rec. Director – Gary Scott
Finance Director – Tim Stiles
Assistant City Attorney – Greta Truman

Comm. & Econ. Dev. Director – Clyde Evans
Deputy Public Works Director – Joe Cory
Development Services Planner – Linda Schemmel
Communications Specialist – Lucinda Stephenson
Guest: Steve Gillotti

Meeting called to order at 11:32 AM.

1. Street Light Policy – LED Conversion

Issue Summary:

Principal Engineer Brian Hemesath stated that as MidAmerican Energy (MAE) installs new or replacement street lights, LED fixtures are being installed. Over the next ten years or so, MAE anticipates that all light fixtures in the City will be converted to LED. Light provided by the LED fixtures is superior to the current lights in quality and uniformity; however, they provide lighting levels higher than the maximum level of half-standard on local residential streets. Staff has researched dimming the lights and found that a dimmer is available for approximately \$15 each. MAE is not interested in using dimmers and will not offer another rate.

Mr. Hemesath provided a map indicating the location of currently installed LED light fixtures and encouraged the Council members to drive by the areas after dark to compare them with the older style lighting. Most complaints received from residents regarding street lights are the overflow of lighting from the street into windows. LED lighting, although brighter, is more directed with much less overflow.

The City of Ankeny did not make a comparison of fixtures, and are replacing lights 1 for 1 with LED.

MAE has agreed to install LED fixtures in a small area of West Des Moines, such as a portion of a street, as a test area if the City would so desire.

Staff recommendation is to change the design standard for local streets to meet the LED fixture output.

Direction: PWCC recommends that staff invite the Mayor and other three Council members to drive some of the areas shown on the map after dark for their input. Comments and recommendations are to be presented at the next PWCC Meeting.

2. No Parking Here To Corner Signs

Issue Summary:

At the September 14th PWCC meeting, Councilman Trevillyan expressed concern that signs currently installed to indicate no parking have no verbiage and display an arrow which is confusing to residents. Mr. Trevillyan displayed several photographs as examples and suggested “No Parking Here To Corner” signs would provide more clarity.

Deputy Public Works Director Joe Cory reported that there are (95) of these No Parking signs installed in the City. These signs are in a 10-year replacement schedule. To replace all signs immediately would cost approximately \$1,600 in material, and could be completed by staff in approximately three weeks.

Direction: The PWCC recommends that Public Works staff proceed in replacing all directional No Parking signs with “No Parking Here To Corner” signs.

3. Review of Public Works Items for Council Meeting (October 5, 2015)

A. Order Construction:

- i. 2015 Intake Repair Program
- ii. Public Safety Station 17 HVAC Improvements

B. Approval of Amendment – Sugar Creek Stormwater Connection Fee District – Approval of Second, Third Readings & Final Adoption

C. Approval of Amendment to Professional Services Agreement – S. 50th Street Widening

D. Accepting Work

- i. Grand Avenue Tree Cutting
- ii. 39th Street Reconstruction Project

E. Approval of Change Order – Pine Avenue Improvements – S. 8th Street to End of Paving

Direction: The PWCC concurs with staff recommendations on the Council agenda items.

4. Staff Updates

- ### **A. Community Center Interior Renovation – Water Supply Issues – As a follow-up to the September 14th PWCC meeting, City Engineer Duane Wittstock provided a memorandum from West Des Moines Water Works General Manager Diana Wilson quoting City Code and Water**

Works policy in requiring backflow prevention devices in non-residential settings. All City buildings constructed or renovated in recent years have backflow preventers installed. Discussion included larger sized pipe now being recommended by the architectural/ engineering consultant, and whether it is necessary to renovate for maximum usage or possibly a middle-of-the-road scenario of water usage. Development Services Planner Linda Schemmel recommended that water service be brought to the building from 4th Street to reduce impact to business owners during construction.

Direction: PWCC concurs with staff recommendation to bring water service from 4th Street to the Community Center. It is recommended that the PWCC be provided details and cost information by e-mail as soon as possible to facilitate the decisions necessary to proceed with this project.

- B. 12th & Vine Storm Sewer Repair – Deputy Public Works Director Joe Cory reported the collapse of an intake and sidewalk near 12th Street and Vine Street, necessitating an immediate repair of approximately \$44,000. There could be some possible utility conflicts during this repair.

Direction: Information Only.

- C. 50th Street Widening - ROW – Councilman Messerschmidt requested an update on right-of-way acquisitions.

Direction: Engineering staff will produce a summary and provide to the PWCC.

- D. 2014 Sidewalk Program - 39th Street Sidewalk Issue – A property owner on 39th Street whose sidewalk is in the 2014 Sidewalk Program was granted an extension until the end of September to provide the installation of sidewalk. No work has started on the sidewalk as of this date. The City's contractor for this project is anxious to begin work and has expressed concern about the number of properties which have been removed from the project since the bid letting. After a project is let, a contractor may expect the amounts could vary 80% below, and up to 120% above, anticipated quantity. If the property on 39th Street stays in the program, the quantity will be very close to 80%; otherwise the percentage will be much lower. The contractor is stating he would like to be paid for the difference in quantity. Discussion included a possible obligation of the City to reimburse the contractor for a percentage of profit for any decreased quantity should we ask him to proceed, and also the option of rebidding the project.

Direction: PWCC recommendation is that the 39th Street property owner be advised that if the sidewalk is not completed by Thursday morning, October 1st, the City's contractor will proceed with the sidewalk construction.

5. Other Matters

- A. Fox Creek Trunk Sewer Extension – Phase I - City Engineer Duane Wittstock provided an aerial map with a red line indicating Phase II of the project. Right-of-way (ROW) acquisition has been

successful in all areas except the branch going to Interchange Partners. Staff recommendation is to pursue eminent domain to acquire the necessary ROW.

Direction: The PWCC concurs with staff recommendation to proceed with eminent domain to acquire the ROW needed for this project.

- B. Fox Creek Trunk Sewer Extension – Phase I – Mr. Wittstock reported that the contractor, MPS Engineering, is significantly behind in the work scheduled for Phase I. V&K, MPS, representatives of the bonding company and City staff will be meeting tomorrow to discuss methods to get the project on track. Staff will report back with findings.

Direction: Information Only.

- C. 2015 Sewer Lining Program – Mr. Wittstock described an issue in the installation of sanitary sewer lining south of Coachlight Court east of S. 60th Street. The pipe liner is a fiber type material impregnated with resin which is set using heat. While setting a section of pipe liner, a rain storm occurred which cooled the pipe and caused the liner to partially collapse. Approximately 140 feet of pipe is known to be affected. The contractor is working to resolve the situation. Staff is currently monitoring the situation.

Direction: Information Only.

- D. Sidewalk Issue – Buffalo Road– Mr. Cory stated that he was advised of a missing sidewalk link along Buffalo Road, east of Dowling High School. The missing sidewalk crosses a railroad track and involves property owned by West Des Moines, Clive, and the railroad. Clive and the railroad have been contacted to discuss coordination of installing this sidewalk.

Direction: PWCC recommendation is that, if possible, this sidewalk portion be added to the 2014 Sidewalk Program to expedite the installation.

- E. S. 35th Street – Councilman Trevillyan provided a video of a vehicle at S. 35th Street and Grand Avenue losing control and turning around in a property owner's yard, and also a photograph of a vehicle he encountered that had slid into a ditch.

Direction: PWCC recommends that staff arrange for barricades to be more effectively located in this area.

Meeting adjourned at 12:42 PM. The next Public Works City Council Subcommittee meeting is scheduled for October 12, 2015.

Copies of handouts are available at Public Works upon request. A recording was made. Respectfully submitted by Peggy Englehart, Administrative Secretary.



PUBLIC WORKS COUNCIL COMMITTEE MEETING AGENDA

Monday, September 28, 2015 – 11:30 AM

Location: West Des Moines City Hall – Training Room
4200 Mills Civic Parkway

1. Street Light Policy – LED Conversion (BJH)
2. No Parking Here to Corner Signs (JCC)
3. Review of Public Works Items for Council Meeting (October 5, 2015)
 - A. Order Construction:
 - i. 2015 Intake Repair Program
 - ii. Public Safety Station 17 HVAC Improvements
 - B. Approval of Amendment - Sugar Creek Stormwater Connection Fee District – Approval of Second, Third Readings & Final Adoption
 - C. Approval of Amendment to Professional Services Agreement – South 50th St Widening
 - D. Accept Work:
 - i. Grand Avenue Tree Cutting
 - ii. 39th Street Reconstruction Project
 - E. Change Order – Pine Avenue Improvements – S. 8th Street to End of Paving
4. Staff Updates
 - A. Community Center Interior Renovation – Water Supply Issues (LS)
 - B. 12th & Vine Storm Sewer Repair (JCC)
5. Other Matters

This agenda is created for planning purposes and is subject to change.

Any discussion, feedback or recommendation by Sub-committee member(s) should not be construed or understood to be an action or decision by or for the West Des Moines City Council.

All visitors to the Public Works Council Committee meetings are asked to sign in.

Thank you!

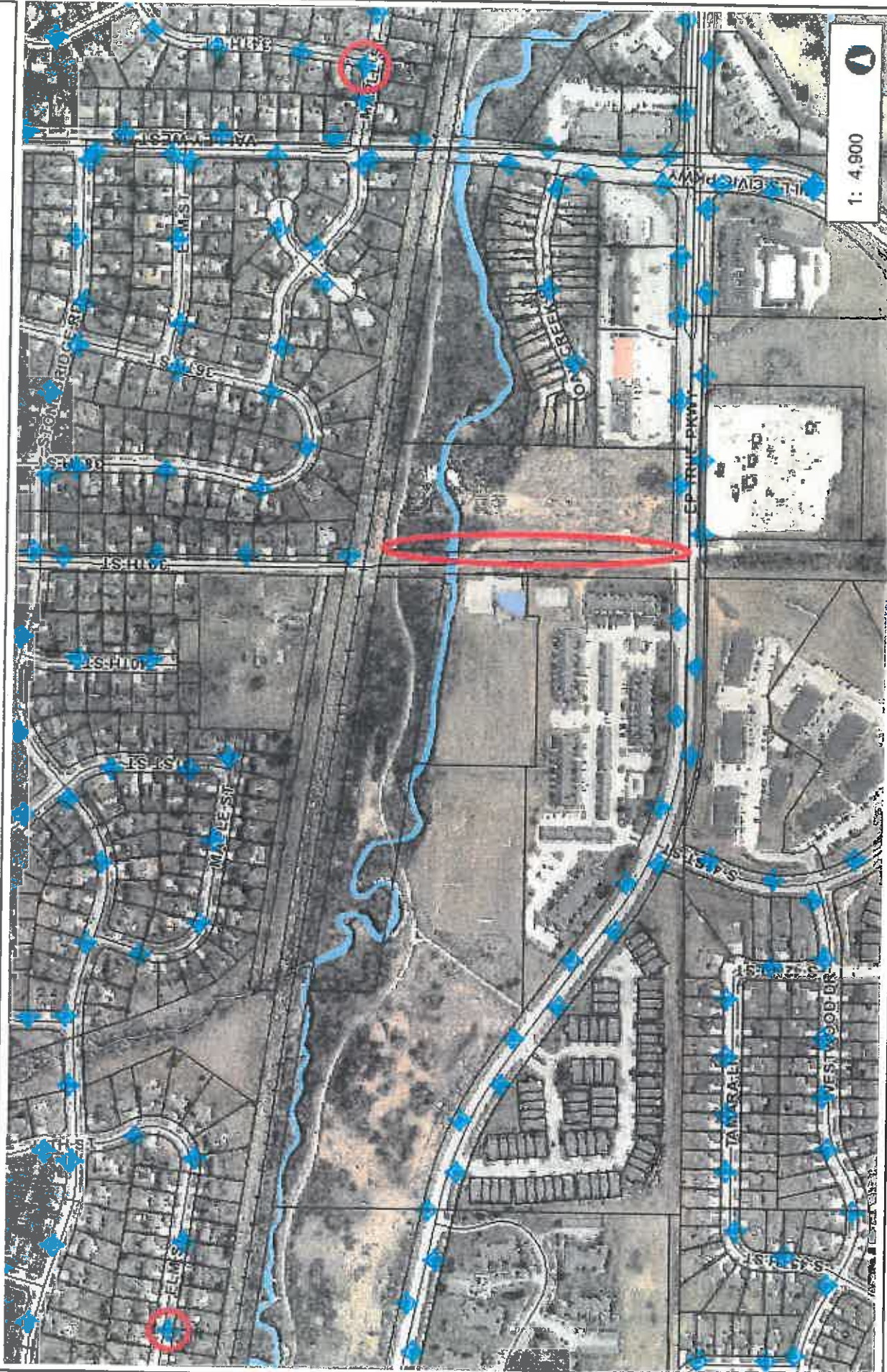
**PUBLIC WORKS COUNCIL COMMITTEE MEETING
GUEST ATTENDANCE**

Date: *9-28-2015*

Printed Name & Organization	Address / E-mail	Day time phone #	Topic
<i>Steve Silko</i>	<i>1709 S. 42nd St. WDM, IA 50265</i>	<i>515-249-5006</i>	<i>general info</i>



LED Street Light Locations



1: 4,900



816.7 0 408.33 816.7 Feet

NAD_1983_StatePlane_Iowa_South_FIPS_1402_Feet
© City of West Des Moines, Iowa

Disclaimer: The City of West Des Moines makes no warranties regarding the accuracy or completeness of the data provided herein.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

LED Streetlight – Local Streets

Problem: When retrofitting MidAmerican Energy LED light fixtures on local streets, we have found the lighting levels are higher than our maximum level of half-standard.

Background:

- All new lights and replacements will be LED from here forward.
- As discussed at previous PWCC, MidAmerican will convert completely to LED in next 10 years (sooner if possible).
- MidAmerican wants to stick with three LED equivalent wattages (100, 150 and 250) for ease of maintenance and to only have three rates.
- 100 W equivalent is too bright to replace the 70W NEMA fixture (barn light).
 - .14-.19 average footcandles – standard
 - .40 is what 100 W fixture is producing
 - Over twice as bright
- Staff researched dimming.
 - Dimmers can be added for ~\$15
 - Would meet standard
 - MidAmerican is not interested in dimmers. Won't add another rate.
- Locations of lights for Committee to review.
- Ankeny – replacing one for one.

Direction Requested:

- Change design standards for local streets to meet fixture.
- Continue to work with MidAmerican for an equivalent fixture.

SPEED
LIMIT
25



SPEED
LIMIT
25





Wittstock, Duane

From: Diana Wilson <Diana.Wilson@wdmww.com>
Sent: Friday, September 25, 2015 2:18 PM
To: Wittstock, Duane
Cc: Hadden, Tom
Subject: RE: Community Center Backflow Prevention

Pertinent sections of Building Code, Chapter 2 – Article G, Cross Connection Control; Containment Provisions

8-2G-3 Definitions:

Administrative Authority: Administrative authority shall be the WDMWW and Building Division of the Community Development Department.

Low Hazard Cross-Connection: A cross connection which may cause an impairment of the quality of potable water to a degree which does not create a hazard to public health, but which does adversely and unreasonably affect the aesthetic qualities of such potable water for domestic use.

8-2G-5 New Water Service:

- A. Plans shall be submitted to the WW for review on all new water services in order to determine the degree of hazard.
- B. WW shall determine the type of backflow prevention assembly required for containment based on the degree of hazard.

8-2G-6 Existing Water Services:

- A. Upgrades of existing water services shall be treated as new water services.

8-2G-8 Requirements for Backflow Prevention Assemblies:

- A. Required Backflow Prevention Assemblies for Containment; Water Services:
 2. An approved double check valve assembly is required for water services having no high hazard cross connections but having one or more cross connections which the WW has classified as low hazard.

The concern is regarding the large diameter (4 inch) service connection to the commercial –type facility, with range of uses that could produce cross-connection hazards. Additionally, in a non-residential setting we consider the hot water heater to have a low hazard cross connection, as hot water back siphoning into the potable water system would adversely affect aesthetic qualities of the water.

Anytime we lose ownership/control of the water in a non-residential setting, we protect the public supply by the requirement to add backflow prevention devices.

Should I plan on attending the meeting on Monday?



Diana J. Wilson, P.E., PO
General Manager
West Des Moines Water Works
4200 Mills Civic Parkway, Ste. 1D
West Des Moines, IA 50265-2034
Diana.wilson@wdmww.com
Phone: (515)222-3510

4.A

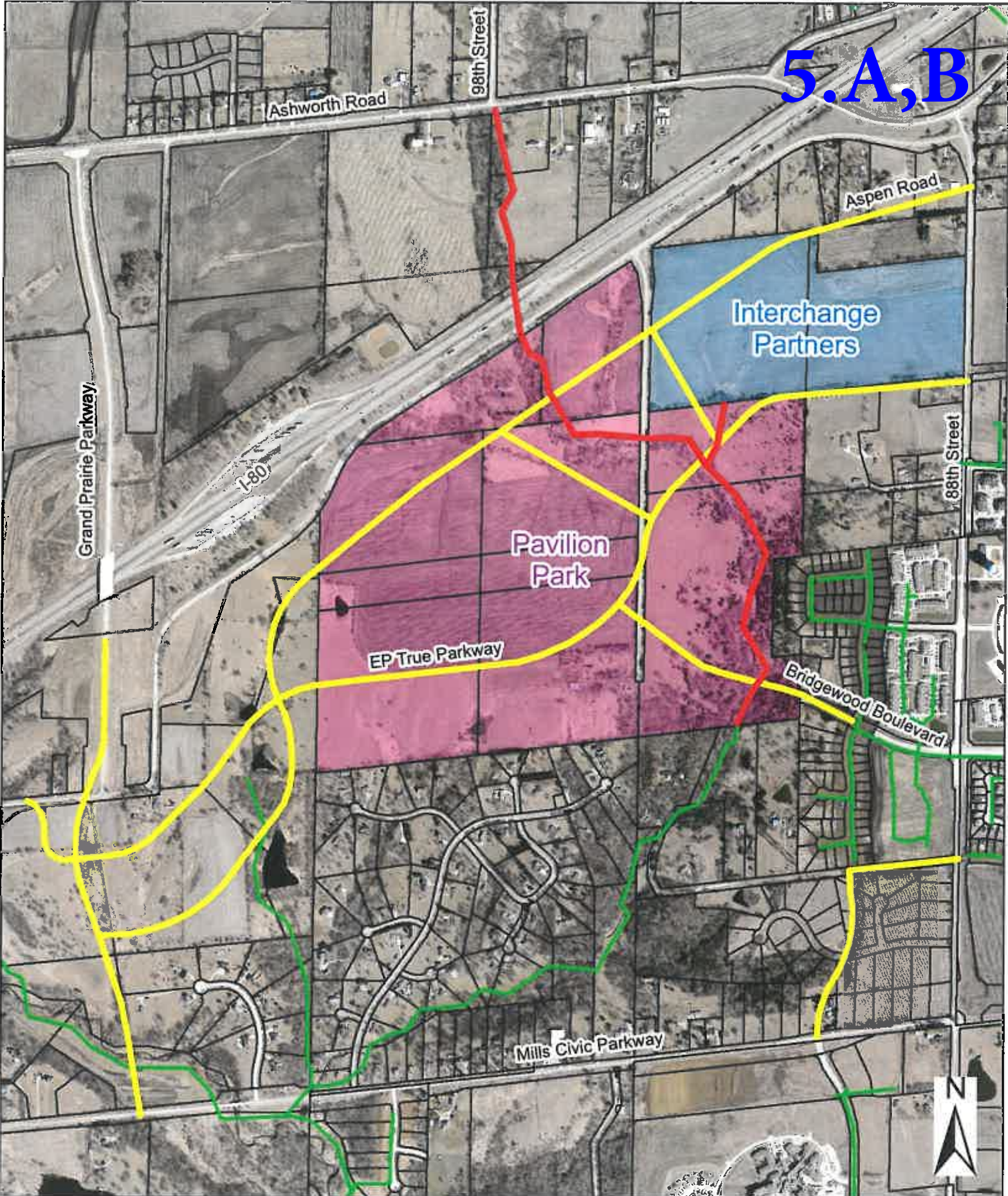
From: Wittstock, Duane [mailto:Duane.Wittstock@wdm.iowa.gov]
Sent: Friday, September 25, 2015 10:39 AM
To: Diana Wilson <Diana.Wilson@wdmww.com>
Cc: Hadden, Tom <tom.hadden@wdm.iowa.gov>
Subject: Community Center Backflow Prevention

Could you provide us with the citation where a backflow preventer is required for the Community Center remodeling project.

It will be a topic of discussion at the PWCC meeting Monday.

Thanks

5.A,B



DEPARTMENT OF ENGINEERING SERVICES
4200 MILLS CIVIC PARKWAY (515) 222-3620
WEST DES MOINES, IOWA 50265
FAX NO. (515)273-0602

PROJECT:	Fox Creek Trunk Sewer Extension Project No. 0510-005-2015		
LOCATION:	Pavilion Park & Interchange Partners Parcels		
DRAWN BY:	JMS	DATE:	09/28/15
			SHT. 1 OF 1

5.D

Buffalo Rd



5.E



Englehart, Peggy

From: West Des Moines, IA <webmaster@wdm.iowa.gov>
Sent: Friday, September 25, 2015 11:04 AM
To: Englehart, Peggy
Subject: West Des Moines, IA: Public Works Council Committee Meeting

Public Works Council Committee Meeting

- **Date:** 09/28/2015 11:30 AM - 1:30 PM
- **Location:** West Des Moines City Hall - Training Room
4200 Mills Civic Parkway
West Des Moines, Iowa 50265
- **Agenda:** 9.28.15 PWCC Agenda

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