

Item # 15
Date: 3/9/26

COUNCIL ACTION FORM

AGENDA ITEM: W. 18th street Drainage

History Report: West 18th Street Drainage Issue

The City and County have been working collaboratively to address ongoing drainage problems along West 18th Street. During significant rainfall events, particularly last season, the west side of the roadway and several nearby properties experienced repeated flooding. These events highlighted the need for improvements to the stormwater system in that area. City staff, including Joe, Ryan, and me, met with County representatives to discuss potential solutions and cost-sharing for the necessary repairs. Although the drainage originates from the County, the stormwater pipe is now considered the City's responsibility because the area has been annexed into City limits and the pipe discharges into a City retention pond. However, since the collapsed pipe was not included in the original West 18th Street reconstruction plans, the County acknowledged the unique circumstances and indicated a willingness to contribute toward the project costs. Staff began contacting contractors to obtain estimates for the repair work. One initial estimate was received above the City's purchasing threshold of \$62,000, which would require the project to be formally bid. Two bids have now been received, and a third decided not to move forward with the project. A workable solution has been identified that involves installing a connection box with a longer pipe extension to allow for the new pipe to meet the elevation needs to bypass the existing gas pipelines within the right-of-way. This approach avoids utility conflicts while addressing the drainage issues and reducing the likelihood of future flooding.

Overall, staff believe the proposed improvements will provide an effective long-term solution to the drainage issues along West 18th Street.

OPTIONS:

1. Approve TK Grading for the amount of \$53,000
2. Have engineers design a solution and go out for a formal bid.

STAFF'S RECOMMENDED ACTION:

Therefore, City Staff recommends that Council approve Option 1. This will allow TK Grading to proceed with the work and fix a long-term problem by mitigating flooding issues.

Joe,

I've attached a plan sheet with markups showing elevations on existing utilities. Starting from west going east, this is how the tile line should be routed:

1. Connect to existing tile line: flowline elevation of 986.03
2. Cross under telecommunication lines that are running at elevation 988.49
3. Dive below two 12" gas lines, but will need to stay close to the bottom side of these two lines
4. Install below 24" gas line, but will need to stay within 6" of the bottom of this line
5. Install below 12" field tile lines
6. Maintain shallow percentage grade to tie into intake #3 at elevation 982.38

I'm not going to get really detailed here because I know this will have to go out to bid, but this is what we are thinking for costs:

1. Mobilization
2. Vacuum Excavate w/ Utility Stand By's on all Critical Utilities
3. Connection to Existing Tile (West End)
4. Install 550 lf 8" HDPE Dual Wall Nonperforated Tile
5. Bed Between High Profile Utilities and New Tile with Sand
6. Sawcutting & Remove Paving for Intake Tie-in
7. Connection to Existing Intake (East End)

TOTAL BID: \$65,000.00

On Track assumes the following:

1. City to restore seeding and paving
2. On Track to place temp aggregate in paving area, City to remove when they pour back paving
3. No bond cost is included in this... add 2% to bid to cover bond
4. This proposal assumes that the utility owners will allow this new 8" till to be within close proximity to the bottom of the gas lines to be able to maintain flow to the intake #3

Thanks,

Matt Runge

On Track Construction

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Nevada, Iowa 50201

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PO Box 333
Maxwell, IA 50161

Estimate

Date	Estimate #
2/6/2026	415

Phone # 515-664-7789 tkgradingseeding@gmail.com

Name / Address
City of Nevada 1209 Sixth St. Nevada, IA 50201

Project

Description	Qty	Rate	Total
12" dual wall HDPE pipe - LF	550	56.80	31,240.00
12" dual wall HDPE pipe - LF	110	56.80	6,248.00
Setting man hole on west end and county tile tie in		1,640.00	1,640.00
Hydro vac - 1 day		5,000.00	5,000.00
Trench box rental cost		1,188.00	1,188.00
Pipe bedding		760.00	760.00
Misc. pipe fittings, concrete cutting, and concrete for grouting		1,500.00	1,500.00
Ground prep, seed, fertilizer, hydro mulch		1,750.00	1,750.00
Sand for backfill around gas utilities- 50 tons - delivered		1,318.55	1,318.55
Concrete Restoration		1,500.00	1,500.00
Mobilization		1,500.00	1,500.00
Concrete man hole at west end to be supplied by the city Add 3% for bond to total price if needed State and Local Sales Tax		7.00%	0.00
		Total	\$53,644.55



12" Gas Top - 985.72

12" Gas Top - 987.34

24" Gas Top - 986.02

988.49

12" Tile FL - 986.39

#2 Intake - 984.57

#1 Intake - 986.79

Tile FL - 986.03

#3 Intake - 982.38