

DRAINAGE MEETING
DISTRICTS GRANT #5 & #21
MARCH 10, 2020

The Story County Drainage District Trustees met in the Public Meeting Room of the Story County Administration Building in Nevada, IA to consider a permit application from the City of Ames to route city utilities across drainage district tile in Drainage Districts Grant #5 and Grant 21. Members present were Linda Murken, chair, Lisa Heddens, and Lauris Olson. Also present were County Engineer Darren Moon, Drainage Clerk Scott Wall, and Cindy Hildebrand, a landowner in the district.

Murken called the meeting to order at 9:30 a.m.

Wall spoke about the permit. It was the result of a series of emails between Moon, Ames City Engineer Nathan Willey, and Wall over a period of a few months, culminating in the City of Ames submitting the signed permit on January 24, 2020. The County's Drainage Engineer, Kent Rode of Bolton & Menk, Inc. recommended approval of the permit on February 18, 2020. The permit was mentioned at a public hearing for Grant #5 held on February 26, 2020 and it was acknowledged at that time that if the drainage district proceeded with improvements after the city had installed utility infrastructure there were engineering solutions available to make both facilities compatible.

Moon said the drainage district and the city have to work with what exists now, not with potential future improvements. He said the permit should be approved.

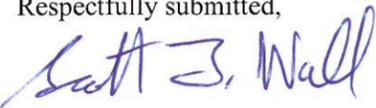
Olson referred to the February 26 hearing and discussions with Nathan Willey and John Hall, Ames Economic Development Commission. She tried to reach City Engineer Tracy Warner about this issue but has been unsuccessful. She likes item 3 in the agreement which specifies that the permittee shall be liable for any future adjustments of its installations caused by drainage district construction. That gives her assurance that the city understands that the trustees could make changes to district facilities in the future that impact city facilities. Olson has attempted to learn if the district can be compensated for costs incurred in improving facilities which are then altered to accommodate industrial development but has not gotten an answer to that question at this time.

Murken said it was her understanding as well that if the trustees decide to do an improvement the city will have to move its utilities to accommodate the district.

Heddens moved, seconded by Olson, to approve the Drainage District Crossing Permit submitted by the City of Ames for their utilities to cross drainage district tile in Drainage Districts Grant #5 and Grant #21 along the north side of East Lincoln Way in Ames. Motion carried unanimously (MCU).

Olson moved, seconded by Heddens, to adjourn. MCU. Meeting adjourned at 9:40 a.m.

Respectfully submitted,



Scott T. Wall

Scott T. Wall

From: Kent Rode <Kent.Rode@bolton-menk.com>
Sent: Tuesday, February 18, 2020 5:12 PM
To: Nathan Willey; Scott T. Wall
Cc: Tyler Conley
Subject: RE: Drainage district tile crossing permit - East Industrial Project

[External Sender - Please Use Caution]

Scott,

It appears the plans submitted by the City of Ames has met all of the separation requirements as required by the Statewide Urban Design and Specifications Program for existing stormwater facilities of the district. I recommend approval of the Drainage District Crossing Permit.

Let me know if you have any questions.

Thanks,

Kent L. Rode, P.E.
Senior Project Manager
Bolton & Menk, Inc.
Phone: 515-395-3140 ext. 3383
Mobile: 515-320-1873

From: Nathan Willey <nwilley@city.ames.ia.us>
Sent: Friday, January 24, 2020 5:22 PM
To: Scott T. Wall <swall@storycountyowa.gov>
Cc: Kent Rode <Kent.Rode@bolton-menk.com>; Tyler Conley <Tyler.Conley@bolton-menk.com>
Subject: Drainage district tile crossing permit - East Industrial Project

Hi Scott,

Attached is the drainage district tile crossing permit and the plan sheet details for both the gravity sewer and water main crossings associated with our East Industrial Utility Extension Project. This project is on the Jan 28th City Council agenda for approval and the bid opening is scheduled for March 4th. We will not know the contractor information until after that date. Please let me know if you need any further information.

Thank you,

Nathan Willey, P.E.
Civil Engineer II

nwilley@city.ames.ia.us
Office: 515.239.5436 | Fax: 515.239.5404
City Hall, 515 Clark Avenue | Ames, IA 50010

STORY COUNTY DRAINAGE DISTRICT CROSSING PERMIT

To the District Trustees, Story County, Iowa:

I, Nathan Willey, P.E. (Civil Engineer II), on behalf of the City of Ames, Iowa

<u>Installer/Contractor</u>	<u>Owner</u>	<u>Address</u>
TBD (project bid opening 3-4-20) Contractor information will be provided once determined	City of Ames	515 Clark Ave, Ames, IA 50010

do hereby make application requesting permission to cross drainage district tiles located on the north side of East Lincoln Way as part of the East Industrial Area Utility Extension Project: one 18" tile located approximately 1,450 feet west of Potter Ave (590th) and one 26" tile located approximately 1,900 feet west of Potter Ave (590th)

We mutually, as installer/contractor and/or owner, (Both hereinafter referred to as the permittee), agree that the following stipulations shall govern under this permit.

1. The Permittee will file plans setting out the location of proposed work and that the description of the proposed installation will be included showing type, height, and spacing of the same:
(see attached plan sheets for installation details)
2. The installation shall meet the requirements of county, state, and federal laws, the Iowa State Department of Health, and any other laws or regulations applicable.
3. The Permittee shall be fully responsible for any future adjustments of its installations within the established drainage district right-of-way caused by district construction or maintenance operations.
4. The drainage district assumes no responsibility for damages to the Permittee's property occasioned by any construction or maintenance operations on said district.
5. The Permittee shall be responsible for any damage resulting to said district because of the construction operation, or maintenance of said installation, and shall reimburse the district for any expenditure the district may have to make on said district because of said permittee's installation having been constructed, operated, and maintained thereon.
6. The Permittee shall indemnify and hold harmless Story County and the drainage district from any and all causes of action, suits at law or in equity, or losses, damages, claims, or demands, and from any and all liability and expense of whatsoever nature for, on account of or due to the acts or omissions of said Permittee's officers, members, agents, representatives, contractors, employees or assigns arising out of or in connection with its (or their) use or occupancy of the district under this permit.
7. Noncompliance with any of the terms of permit, or agreement, may be considered cause for revocation of the permit.

1-24-2020
Date

City of Ames - Nathan Willey, P.E. (Civil Engineer II)
Name of Owner (Applicant - Permittee)

515 Clark Ave, Ames, IA 50010
Address

Nathan Willey by 515-239-5436
Phone no.

Date

TBD (project bid opening 3-4-20)
Name of Installer/Contractor (Applicant - Permittee)

Address

by Phone no.

Approved by:

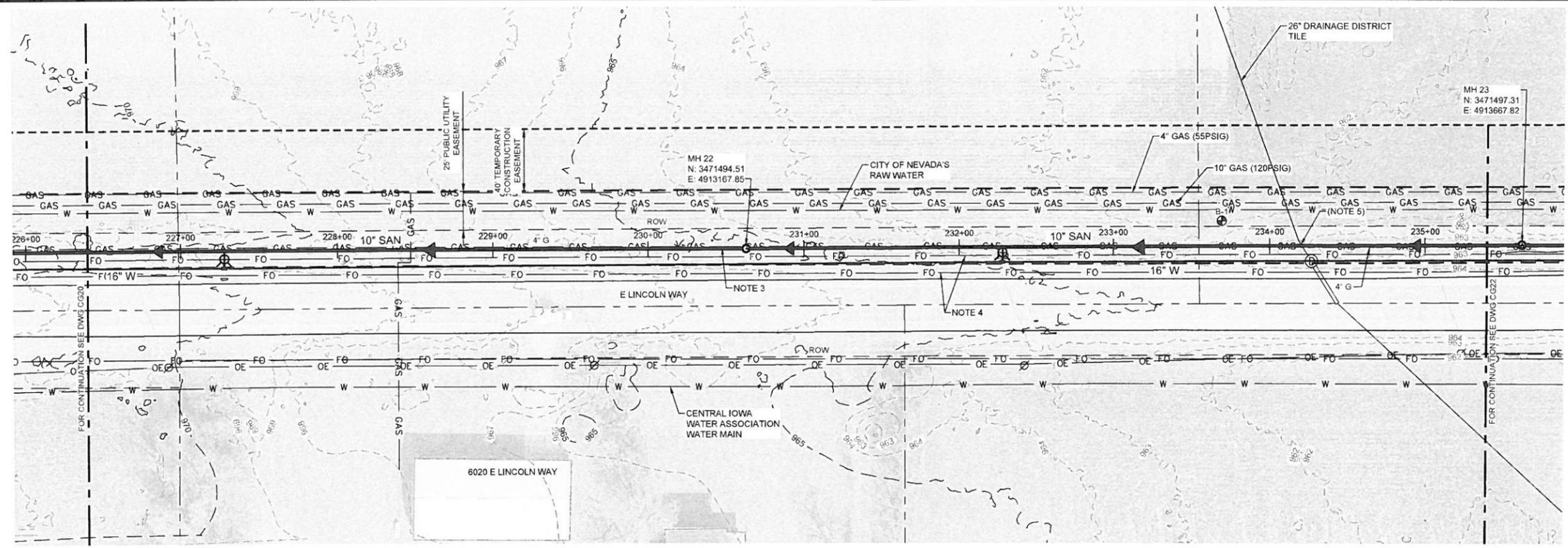
Date 3-10-2020

Mudambee 515-382-7200
Chair - Drainage District Trustees Phone no.



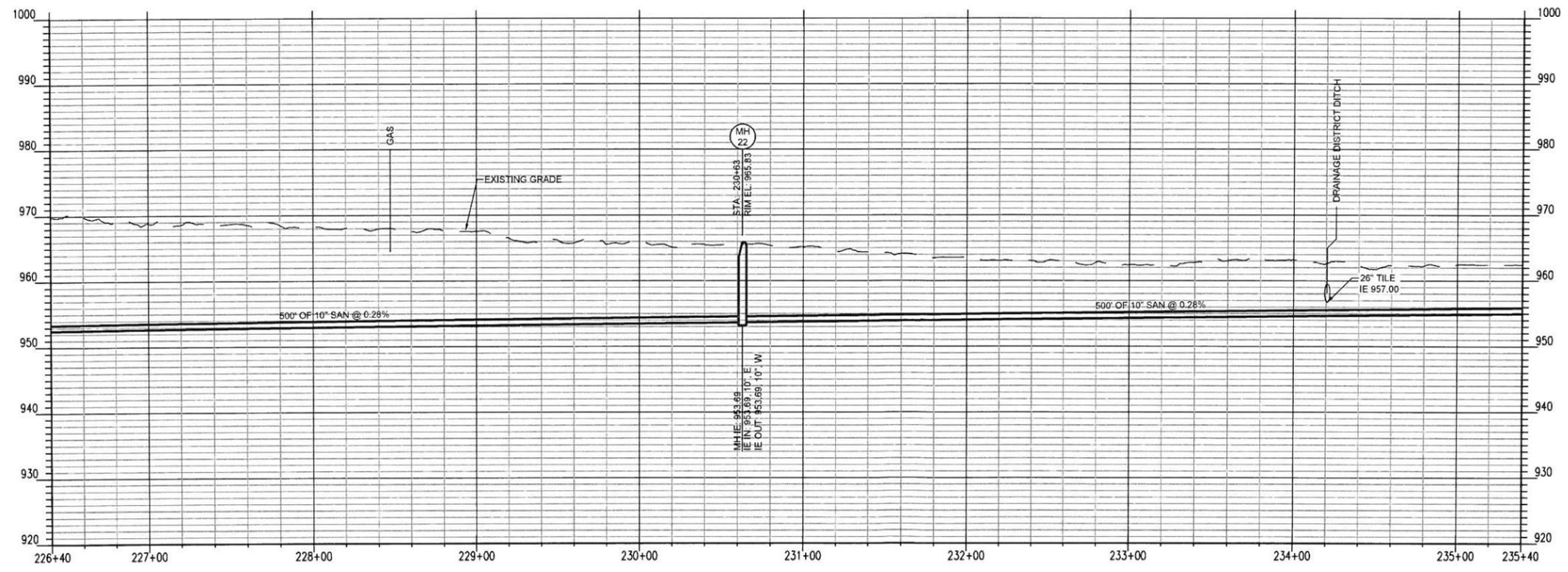
NOTES:

1. FOR GRAVITY SANITARY SEWER NOTES SEE SHEET CG10.
2. MAINTAIN 10' HORIZONTAL SEPARATION FROM CITY OF NEVADA'S RAW WATER LINE AND GRAVITY SEWER LINE.
3. GAS PIPE HAS BEEN ABANDONED IN PLACE. REMOVE AND DISPOSE OF ABANDONED PIPE AS SANITARY SEWER PIPE IS INSTALLED.
4. FIBER OPTIC HAS BEEN ABANDONED.
5. 26" DRAINAGE DISTRICT TILE A MINIMUM 6" SEPARATION MUST BE MAINTAINED BETWEEN THE SEWER AND TILE, 18" SEPARATION IS PREFERRED.

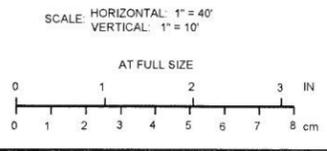


LEGEND:

- E — ELECTRIC (UNDERGROUND)
- FO — FIBER OPTIC
- GAS — NATURAL GAS
- OE — ELECTRIC (OVERHEAD)
- SAN — SANITARY SEWER
- SFM — SANITARY FORCE MAIN
- ST — STORM SEWER
- W — WATER
- - - PROPERTY LINE



NOTE:
 THE SIZE, NUMBER AND LOCATION OF EXISTING UTILITIES SHOWN ON THIS DRAWING ARE APPROXIMATE AND ARE FOR GENERAL INFORMATION ONLY. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THIS DRAWING. CONTRACTOR IS RESPONSIBLE FOR OBTAINING EXACT LOCATIONS OF EXISTING UTILITIES FROM UTILITY COMPANIES. SOME EXISTING UTILITIES MAY NOT BE SHOWN.



NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants Inc.
 225 Iowa Avenue, Muscatine, Iowa 52761-3764
 www.stanleyconsultants.com

CITY OF AMES, IOWA
 EAST INDUSTRIAL AREA UTILITY EXTENSION
 AMES, IOWA

GRAVITY SEWER PLAN AND PROFILE - SHEET 11

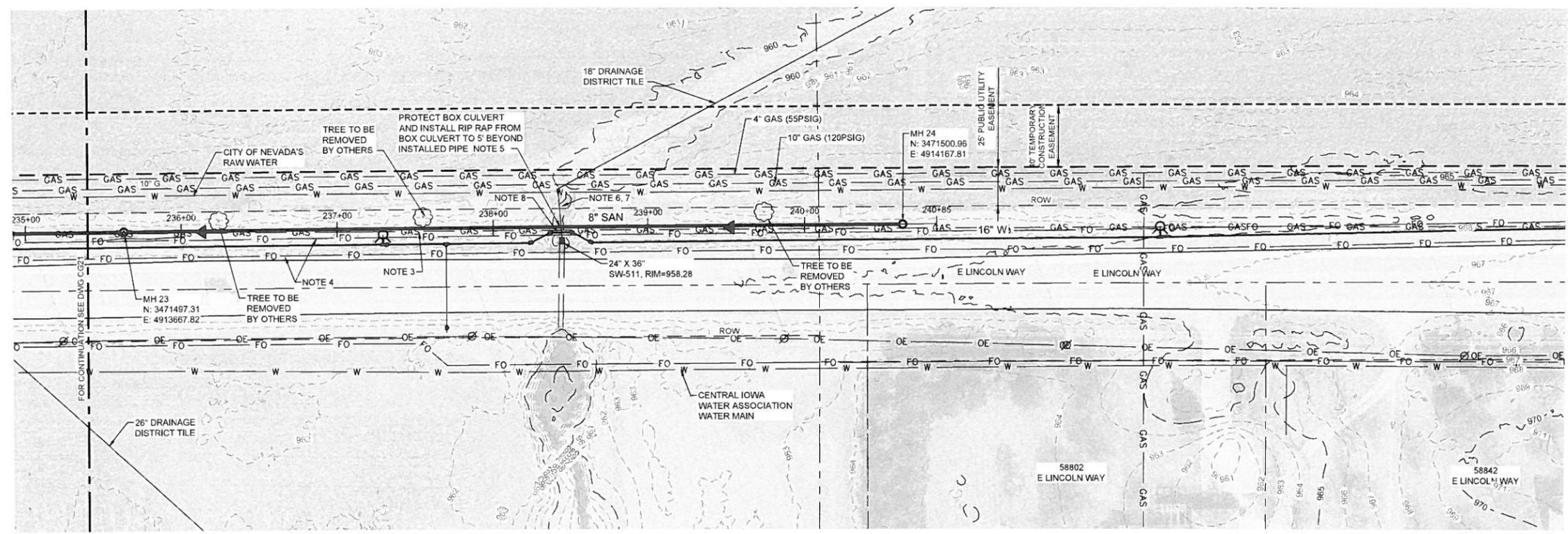
DESIGNED: LJ HEINLEIN	SCALE: AS NOTED
DRAWN: GM REEVES	NO. 27109.01.00
CHECKED: JM BRADY	REV.
APPROVED: DK MATHIAS	CG21
APPROVED: _____	0
DATE: JANUARY 24, 2020	

CADDS&RS



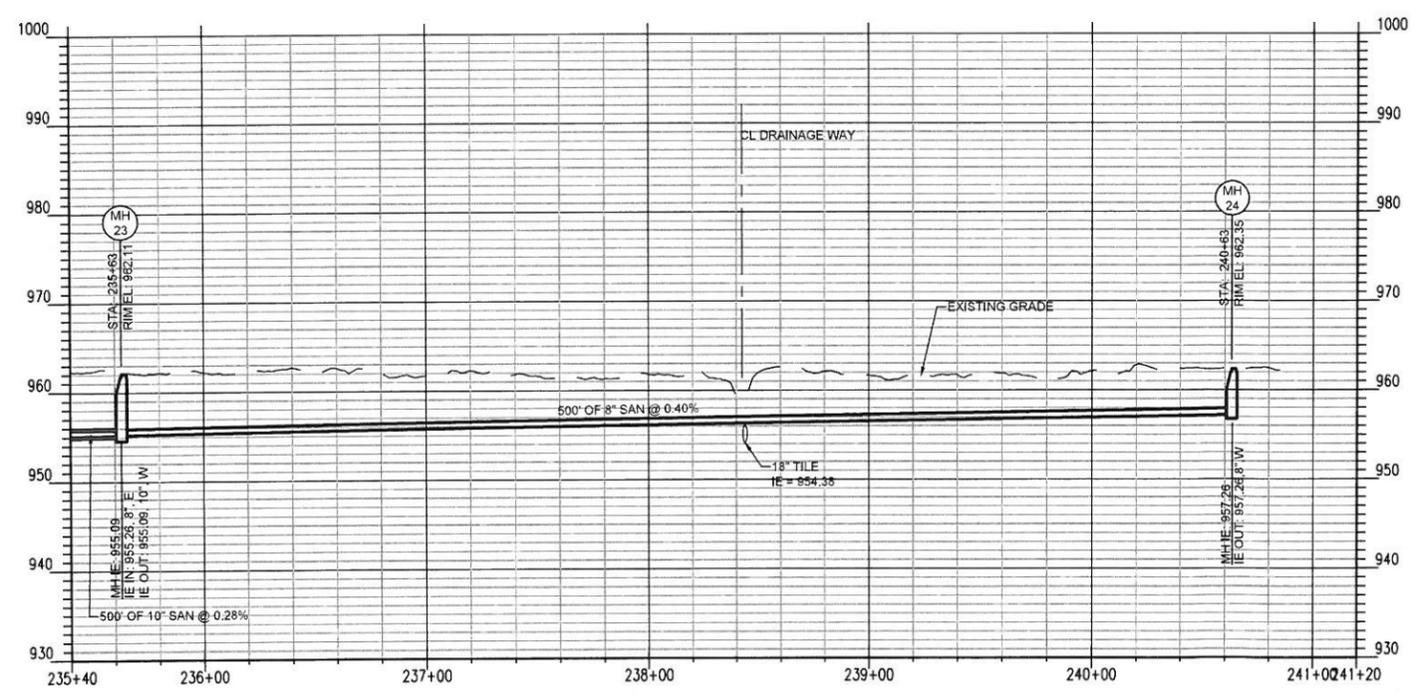
NOTES:

- FOR GRAVITY SANITARY SEWER NOTES SEE SHEET CG10.
- MAINTAIN 10' HORIZONTAL SEPARATION FROM CITY OF NEVADA'S RAW WATER LINE AND GRAVITY SEWER LINE.
- GAS PIPE HAS BEEN ABANDONED IN PLACE. REMOVE AND DISPOSE OF ABANDONED PIPE AS SANITARY SEWER PIPE IS INSTALLED.
- FIBER OPTIC HAS BEEN ABANDONED.
- ESTIMATED QUANTITY OF RIPRAP IS 2 TONS.
- 18" DRAINAGE DISTRICT TILE CONNECTS TO THE BOX CULVERT FROM THE NORTHEAST. REPLACE 20' SECTION OF DRAINAGE TILE NORTH OF BOX CULVERT WITH WATER MAIN QUALITY PIPE - DIP OR C900 PVC.
- A MINIMUM 6" SEPARATION MUST BE MAINTAINED BETWEEN THE SEWER AND TILE. PLACE CONCRETE COLLAR AROUND TILE 6" BOTH SIDES OF SEWER. COST FOR CONCRETE COLLAR IS INCIDENTAL TO PROJECT.
- MAINTAIN MINIMUM 10' HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER. WHERE THE HORIZONTAL SEPARATION IS LESS THAN 10', BOTH WATER MAIN AND SANITARY SEWER MUST BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT PIPE COMPLYING WITH IDNR DESIGN STANDARDS AND PRESSURE TESTED TO 150 PSI TO ASSURE WATER TIGHTNESS.



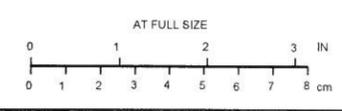
LEGEND:

- E ——— ELECTRIC (UNDERGROUND)
- FO ——— FIBER OPTIC
- GAS ——— NATURAL GAS
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- ST ——— STORM SEWER
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SCALE: HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'



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CITY OF AMES, IOWA
EAST INDUSTRIAL AREA UTILITY EXTENSION
AMES, IOWA

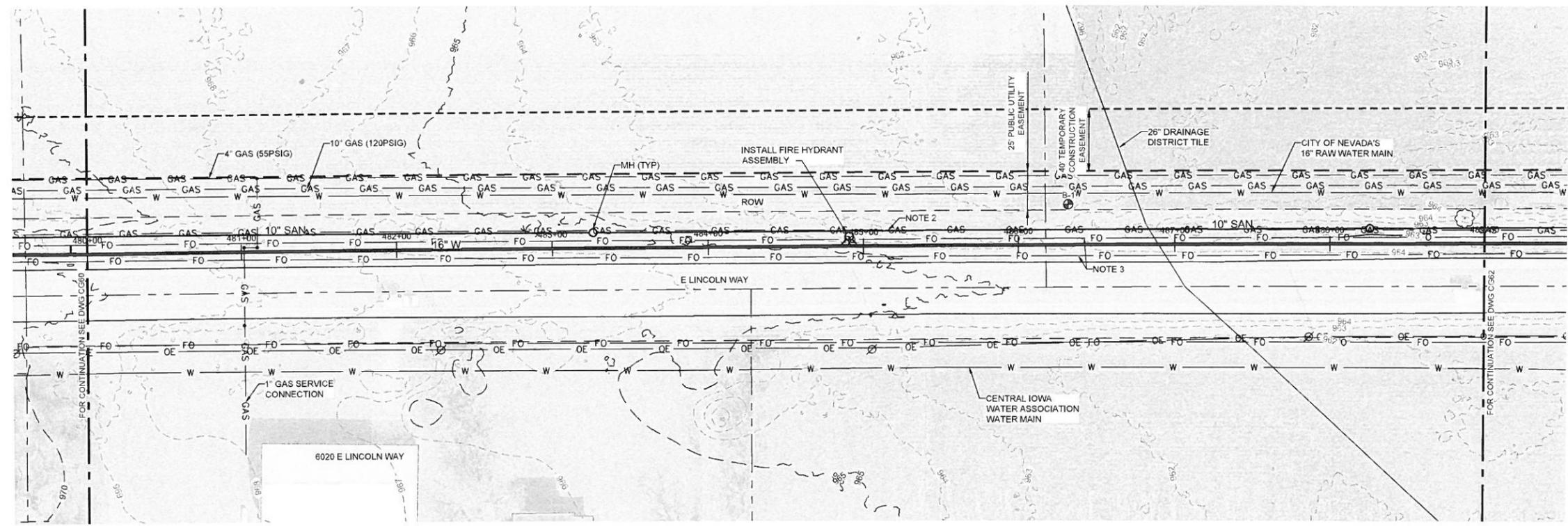
GRAVITY SEWER PLAN AND PROFILE - SHEET 12

DESIGNED: LJ HEINLEIN	SCALE: AS NOTED
DRAWN: GM REEVES	NO. 27109.01.00
CHECKED: JM BRADY	REV.
APPROVED: DK MATHIAS	CG22
DATE: JANUARY 24, 2020	0



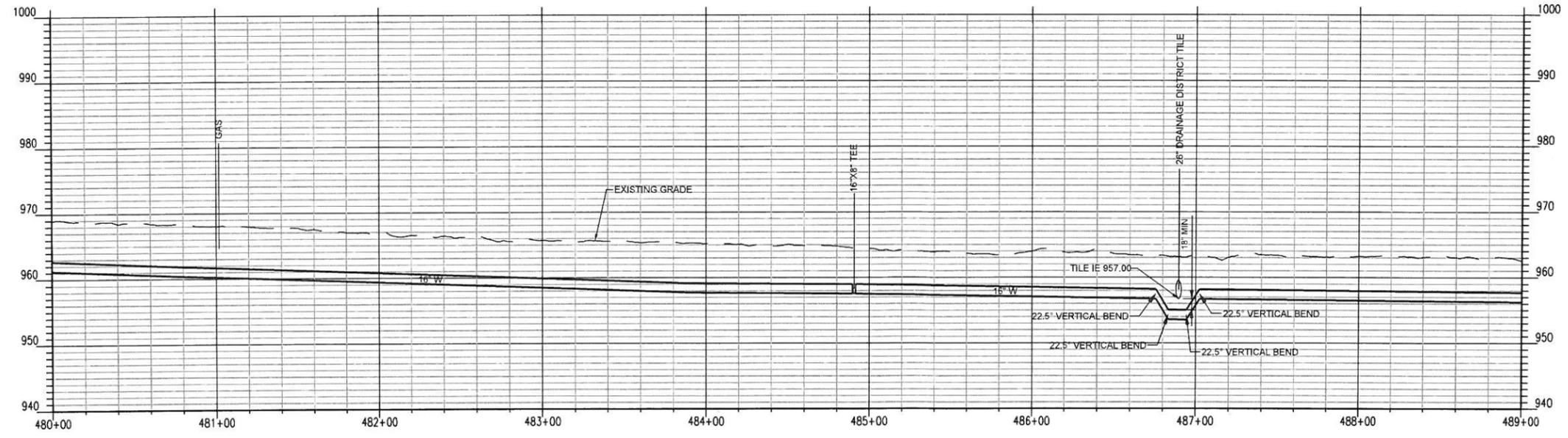
NOTES:

1. FOR GENERAL WATER MAIN NOTES SEE DWG CG60.
2. GAS HAS BEEN ABANDONED AND WILL BE REMOVED AS SANITARY SEWER PIPE IS INSTALLED.
3. FIBER OPTIC HAS BEEN ABANDONED.
4. 26" DRAINAGE DISTRICT TILE. A MINIMUM 6" SEPARATION MUST BE MAINTAINED ABOVE THE TILE AND 18" BELOW THE TILE. USE DIP FOR DISTANCE OF 10' ON BOTH SIDES OF THE TILE CROSSING.

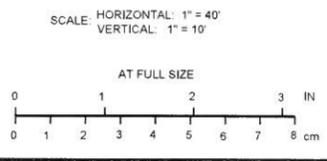


LEGEND:

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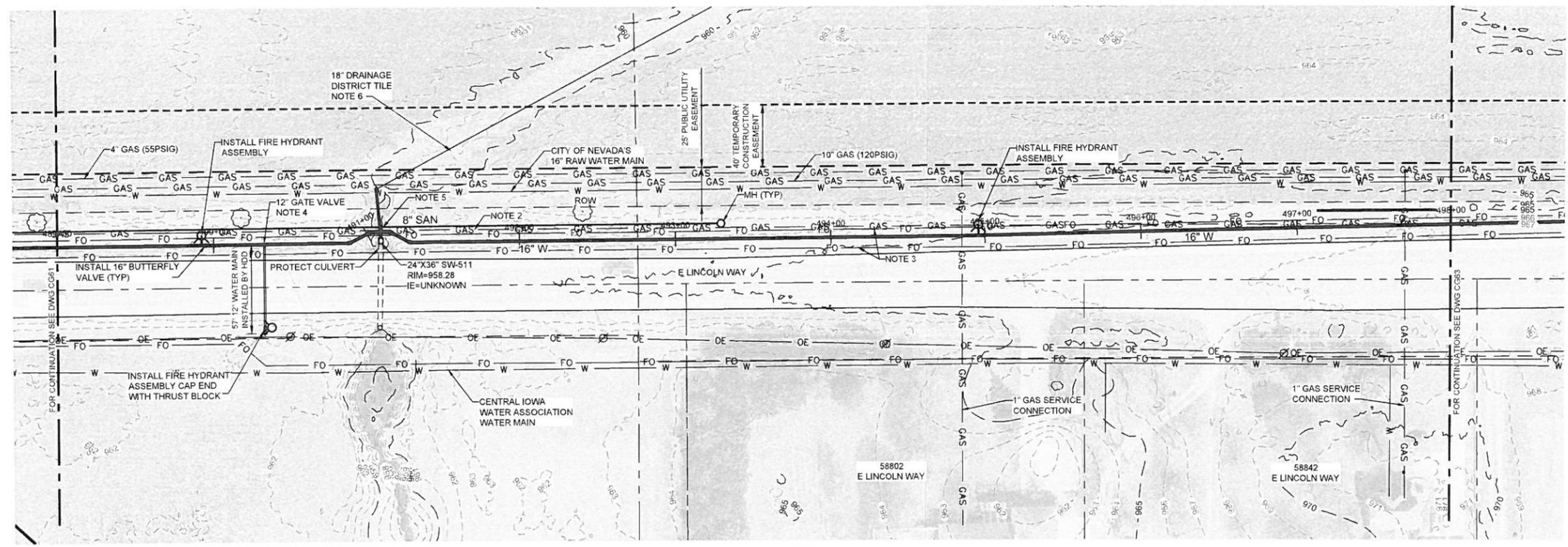
WATER MAIN PLAN AND PROFILE - SHEET 10

DESIGNED: LJ HEINLEIN	SCALE: AS NOTED
DRAWN: GM REEVES	NO. 27109.01.00
CHECKED: JM BRADY	REV.
APPROVED: DK MATHIAS	CG61
APPROVED: [Signature]	0
DATE: JANUARY 24, 2020	



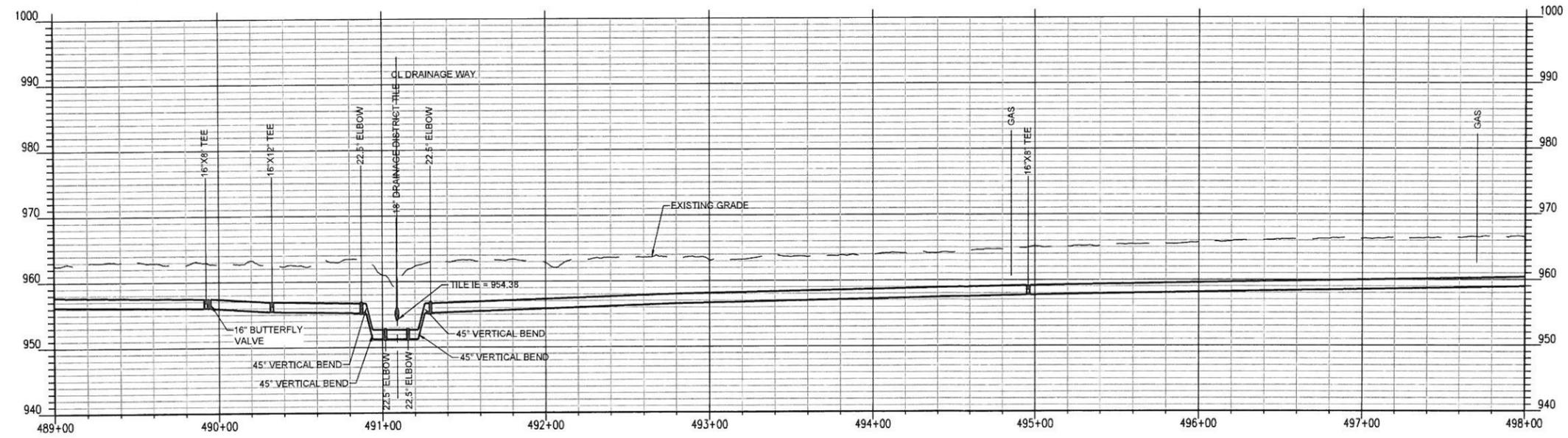
NOTES:

- FOR GENERAL WATER MAIN NOTES SEE DWG CG50.
- GAS HAS BEEN ABANDONED AND WILL BE REMOVED AS SANITARY SEWER PIPE IS INSTALLED.
- FIBER OPTIC HAS BEEN ABANDONED.
- INSTALL 16"x12" TEE. SPOOL 12" GATE VALVE TO SOUTH AND EXTEND 12" WATER MAIN TO SOUTH SIDE OF E. LINCOLN WAY.
- MAINTAIN MINIMUM 10' HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER. WHERE THE HORIZONTAL SEPARATION IS LESS THAN 10', BOTH WATER MAIN AND SANITARY SEWER MUST BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT PIPE COMPLYING WITH IDNR DESIGN STANDARDS AND PRESSURE TESTED TO 150PSI TO ASSURE WATER TIGHTNESS.
- A 20' SECTION OF DRAINAGE TILE TO BE REPLACED WITH SANITARY SEWER CONSTRUCTION. SEE DRAWING CG22. A MINIMUM 6" SEPARATION MUST BE MAINTAINED ABOVE THE TILE AND 18" SEPARATION BELOW THE TILE. USE DIP FOR DISTANCE OF 10' ON BOTH SIDES OF TILE CROSSING.

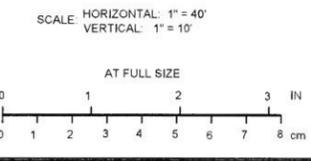


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WATER MAIN PLAN AND PROFILE - SHEET 11

DESIGNED: LJ HEINLEIN	SCALE: AS NOTED
DRAWN: GM REEVES	NO. 27109.01.00
CHECKED: JM BRADY	REV. 0
APPROVED: DK MATHIAS	CG62
DATE: JANUARY 24, 2020	

LA000 D3-RS