

CITY OF HASTINGS

ADDENDUM NO. 1

10/6/2025

K&K AND NEBRASKAN MOBILE PARKS FIRE MAIN

Contract No. HU 2025-92

1. *Replace Proposal Pages with Updated Proposal.* Version: Rev. 1 (Addendum 1) 10/3/2025.
2. *Replace Plan Set with Updated Plan Set.* Rev 1 dated 10/3/25.

CITY OF HASTINGS

By Keith Miller, P.E.

Title Civil Engineer

The undersigned bidder hereby certifies that the revision set forth in this addendum have been incorporated in their bid and are a part of the contract documents.

Signed _____

Title _____

Firm _____

Date _____

**ALL ISSUED ADDENDUM(S) MUST BE ACKNOWLEDGED
& RETURNED WITH YOUR BID DOCUMENTS**

**FORMAL PROPOSAL FOR
K & K AND NEBRASKAN MOBILE PARKS FIRE MAIN
CITY OF HASTINGS
CONTRACT NO. HU 2025-92**

TO: City of Hastings
1228 N Denver Avenue
Hastings NE 68901

BID OPENS: October 15, 2025 @ 1:30 PM

**SEALED BIDS MUST BE RECEIVED NO LATER
THAN 1:30 PM SAME DAY. BIDS RECEIVED AFTER
THAT TIME WILL NOT BE ACCEPTED.**

We, the undersigned, being familiar with all parts of these documents, being Notice to Bidders, Bid Proposal Price Sheets, Contract Document Forms, Plans and Specifications, Affidavit, Material List, and all other parts of this document, do herein submit our proposal to furnish, install, and perform all tasks required to complete said project area(s) for the total costs; including all necessary state and local sales taxes, and any other required taxes.

**Any modifications of bid proposal will be considered non-conformance of the bid.
All exceptions to the proposal shall be noted as an exception of the bid.**

Completion Date: April 1, 2026

Item	Description	Quantity	Unit	Quantity Price	Total Price
1	8” HDD DIP Water Main	1470	LF		
2	8” DIP Water Main	65	LF		
3	8” Gate Valve w/ Box	2	Ea.		
4	6” Gate Valve w/ Box	5	Ea.		
5	Fire Hydrant	6	Ea.		
6	Compact Fittings	1922	Lbs.		
7	10” Foster Adaptor	1	Ea.		
8	8” Foster Adaptor	11	Ea.		
9	6” Foster Adaptor	5	Ea.		
10	8” MJ Restraint Gland (Megalug)	18	Ea.		
11	Remove 10” MJ Plug	1	Ea.		
12	Remove Fire Hydrant & Cap Service	6	Ea.		
13	6” Concrete Removal and Replace	15	SY		
14	Fine Grading and Seeding	2500	SF		
TOTAL PRICE:					\$
(In Words)					

For purposes of sales/use tax, this project falls under Nebraska Sales and Use Tax Regulation 1-017 for Contractors. By definition, a contractor is "any person who repairs property annexed to, or who annexes property to, real estate, including leased property, by attaching building materials to the annexed property or improvement being built or repaired, or who arranges for annexation of property." Please refer to www.revenue.nebraska.gov/salestax.html for additional information.

For calculating this proposal:

Version: Rev. 1 (Addendum 1) 10/3/2025

**FORMAL PROPOSAL FOR
K & K AND NEBRASKAN MOBILE PARKS FIRE MAIN
CITY OF HASTINGS
CONTRACT NO. HU 2025-92**

- All contractors are to include sales/use tax on materials in the bidder's prices if applicable.
- **Option 1 contractors must separately state materials, sales tax, labor, and other charges on all invoices for the project. Any invoices submitted that do not include this required breakdown of the charges will not be accepted for payment. (This requirement does not apply to Option 2 or 3 contractors.)**
- The sales/use tax rate on building materials is 7.0% for projects within Hastings' city limits and 5.5% for projects outside of city limits.
- Contractor labor charges for this proposal are not subject to sales/use tax per the Nebraska Department of Revenue Notice to Contractors effective October 1, 2007.
- In submitting this bid, the bidder certifies that he will comply with all applicable laws, ordinances, and codes of the City of Hastings and the State of Nebraska.
- **The Water Main Project is located INSIDE OF CITY LIMITS (7%)**

What contractor option have you registered with the Nebraska Department of Labor (must select one)?
Please refer to <https://dol.nebraska.gov> for additional information.

Option 1 _____

Option 2 _____

Option 3 _____

Is Nebraska Sales/Use Tax included in the above item no. 1 (must select one)?

Yes _____ No _____

Is Nebraska Sales/Use Tax included in the above item no. 2 (must select one)?

Yes _____ No _____

Any modification of bid proposal will be considered non-conformance of the bid. All exceptions to the proposal shall be noted as an exception to the bid.

Exceptions: No ☐ Yes ☐ (If yes, list on ***"Instructions to Bidders"*** page)

Liquidated Damage: The Contractor shall pay a fee of \$100.00 per working day for failure to perform work within either the specified project period or the contract completion date in accordance with Paragraph 1.806 and 1.807 of the general conditions and Paragraph 2.002 of the Special Provision.

City of Hastings may at its own discretion delete any project area prior to award of contract.

In submitting this proposal, it is further understood that the City of Hastings Utilities Department reserves the right to reject any or all proposals, whether the price is the lowest or not, and may waive any informalities and may accept the proposal which best suits its needs. It is further understood that this proposal may not be withdrawn for a period of sixty days (60) days after the bids are opened.

**FORMAL PROPOSAL FOR
K & K AND NEBRASKAN MOBILE PARKS FIRE MAIN
CITY OF HASTINGS
CONTRACT NO. HU 2025-92**

All bid documents, including proposals, bid bonds, etc., must be submitted with original signatures. No copies will be accepted.

OFFICIAL NAME & ADDRESS

_____	_____
Firm Name	Signature
_____	_____
Address	Typed or Printed Name
_____	_____
City, State, Zip	Title
_____	_____
Phone No.	Date
_____	_____
Fax No.	Email Address

General Legend

- 2-G

GS

4-W

WS

8-S

SS

T

ts

-E-

-s-

TVS

TVS
- Gas Main

Gas Service
- Water Main

Water Service
- Sanitary Sewer Main

Sanitary Sewer Service
- Underground Telephone Cable

Underground Telephone Service
- Underground Electrical Cable

Underground Electrical Service
- Overhead Electrical Cable

Overhead Electrical Service
- Underground Cable TV

Underground Cable TV Service
- Existing Storm Sewer

Existing Reducer

New Reducer

Existing Valve

New Valve

Stop Box

Existing Fire Hydrant

New Fire Hydrant

Meter Pit

Existing Manhole

New Manhole

Utility Pole

Property Pin

Poured Thrust Block

Gas Meter

Telephone Pedestal

Tracer Wire Riser



Hastings Utilities

2025

Water Improvement Area

WA-137



Deciduous Trees



Trunk Dia.

under 12"

12" to 24"

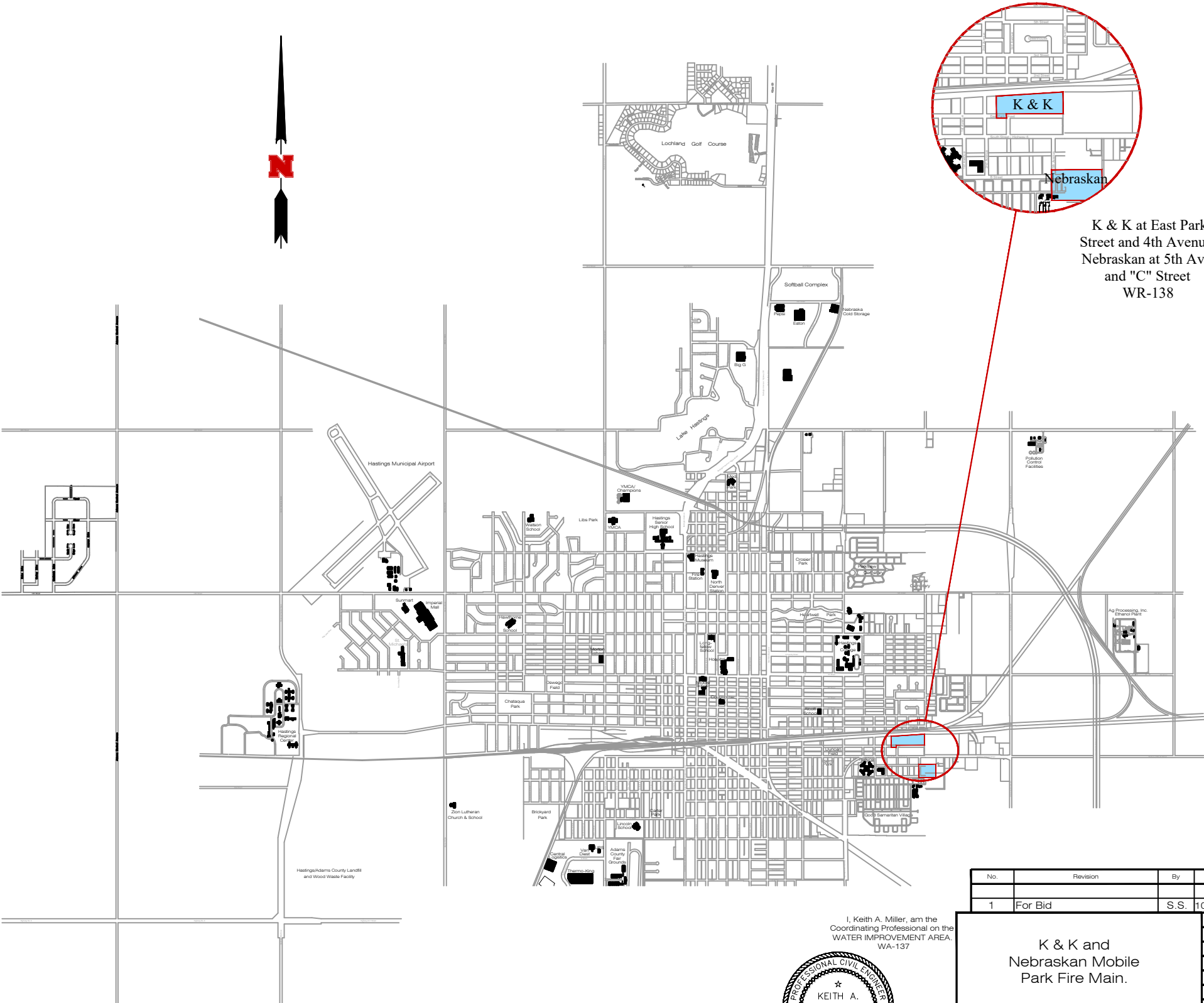
above 24"

Evergreen Trees



Sheet Index

CW1.1 to CW1.6	Water Main Improvements Plan and Profile Sheets
CW2.1 to CW2.2	Water Main Improvements Civil Fitting Details
CW3.1	Water Main Improvements Civil Standard Plan Details

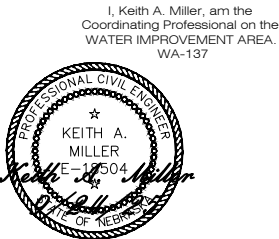


K & K at East Park
Street and 4th Avenue.
Nebraskan at 5th Ave.
and "C" Street
WR-138



Know what's below.
Call before you dig.

Lee Vrooman 9/24/25
City Engineer

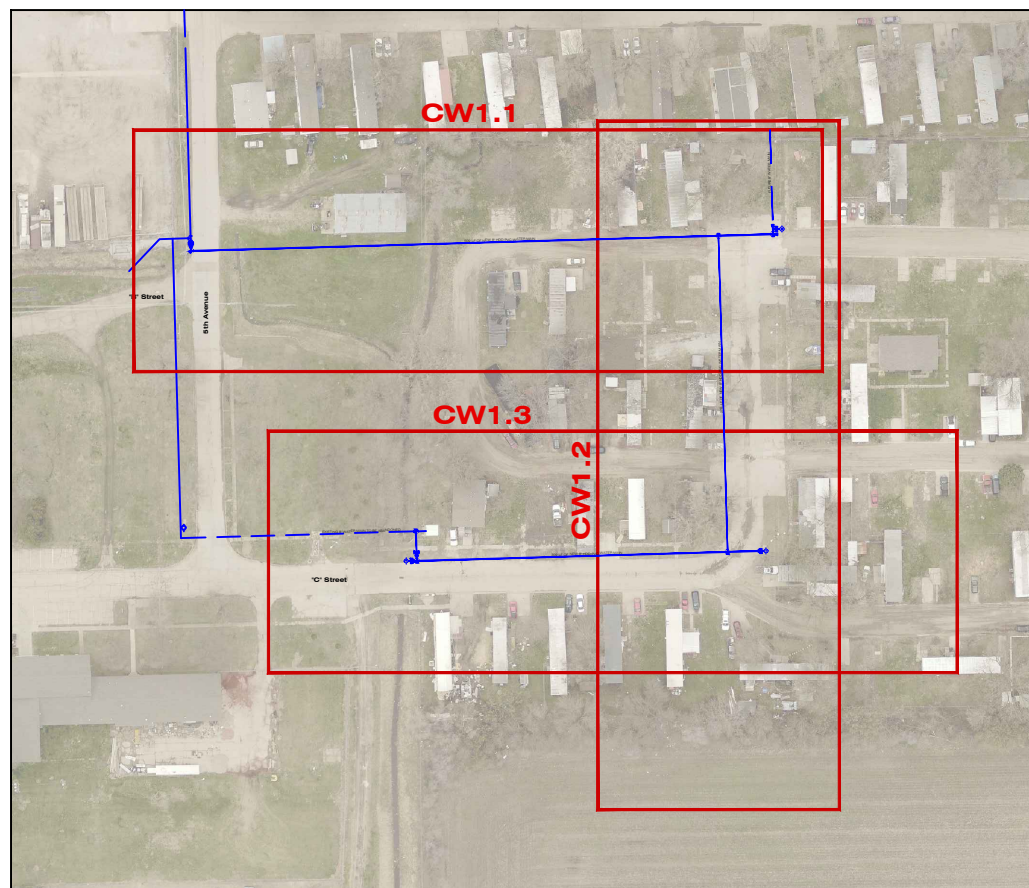


No.	Revision	By	Date	Ckd	App
1	For Bid	S.S.	10/2/25	K.M.	10/3/25
K & K and Nebraskan Mobile Park Fire Main.					
Den K. Miller					
Drawn S. Struss					
Date 9/24/2025					
Supt. B. Lubken					
W.O. No. WA-137					
Ckd					
Ckd					
Sheet No. Cover					
No. WR-138					
(Paid by Hastings Utilities)					





1. The Contractor will be Responsible for Notifying the City Street Department Office at (402)461-2341 and the Communications Center at (402)461-2364 for all Temporary Street Closings Prior to Construction.
2. The Contractor will be Responsible for Calling "Diggers Hotline" for Locations of all Underground Facilities.
3. The Contractor will be Responsible for Replacement of Gravel on Driveways or Streets in This Area.
4. The Contractor Shall be Responsible for Repair of Construction Site to Fine Grading for Seeding. Damaged Areas Shall be Leveled Out to Match Existing Grade Conditions and Raked to Provide Suitable Bedding for Seeding. All Unsuitable Material Shall be Removed Such as Rock, Concrete, Etc. and is Subsidiary to the Bid. Seed Areas with a Contractors Blend Grass Seed.
5. The Contractor Shall be Responsible for the Erosion Control on the Project and is Subsidiary to the Bid. Removal of all Erosion Control Structures will be Removed by Hastings Utilities After Seeding is Established.
6. The Contractor is Responsible for the Traffic Control and Closure of any Lanes of Traffic and is Subsidiary to the Bid. All Barricades and Barricading Shall Comply with the Latest Edition of Part VI of the Manual on "Uniform Traffic Control Devices".
7. Tracer Wire, Tracer Wire Risers, Marking Tape, and Anodes will be Supplied By Hastings Utilities, Installed by the Contractor, and Shall be Subsidiary to the Bid.
8. Any Potholing or Excavating of Existing Utilities Needed to Complete this Project is Subsidiary to the Bid.
9. Some Properties in the Project Area May Have Underground Sprinklers on them. Any Damages and Repairs will be the Responsibility of the Contractor.

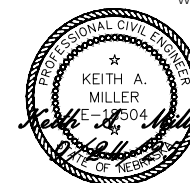


WATER MAIN QUANTITIES					
8" HDD DIP Water Main	1470.00	Lin. Ft.	6", 72" SW x SW Adapter (1)	174.00	Pounds
8" DIP Water Main	65.00	Lin. Ft.	6", 36" SW x SW Adapter (5)	435.00	Pounds
10"x 6" Tapping Sleeve By HU	1.00	Each	8" MJ Plug (7)	182.00	Pounds
8"x 8" Tapping Sleeve By HU	2.00	Each	8" MJ Cap (1)	22.00	Pounds
8" Tapping Valve and Box By HU	2.00	Each	10" Foster Adaptor	1.00	Each
6" Tapping Valve and Box By HU	1.00	Each	8" Foster Adaptor	11.00	Each
8" Gate Valve and Box	2.00	Each	6" Foster Adaptor	5.00	Each
6" Gate Valve and Box	5.00	Each	8" MEGA Lug	18.00	Each
Fire Hydrant (5'-6" Bury)	6.00	Each	Remove 10" MJ Plug	1.00	Each
8"x 8" MJ Tee (7)	602.00	Pounds	Remove Fire Hydrant Cap Hydrant Leg	6.00	Each
8"x 6" MJ Tee (1)	72.00	Pounds			
8" 90° MJ Bend (1)	57.00	Pounds	3 lb. Anode	4.00	Each
8" 45° MJ Bend (4)	184.00	Pounds	Blue Water Marking Tape	1661.00	Lin. Ft.
10"x 8" MJ Reducer (1)	50.00	Pounds	Tracer Wire	1661.00	Lin. Ft.
8x 6" MJ Reducer (4)	144.00	Pounds	Tracer Wire Riser	8.00	Each
			Thrust Block	11.00	Each



Know what's below.
Call before you dig.

I, Keith A. Miller, am the
Coordinating Professional on the
WATER IMPROVEMENT AREA.
WA-137



No.	Revision	By	Date	Ckd	App
1	For Bid	S.S.	10/2/25	K.M.	10/3/25

K & K and Nebraskan Mobile Park Fire Main.



HASTINGS
UTILITIES

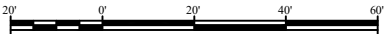
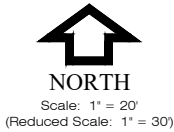
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No. **WR-138**
(Paid by Hastings Utilities)

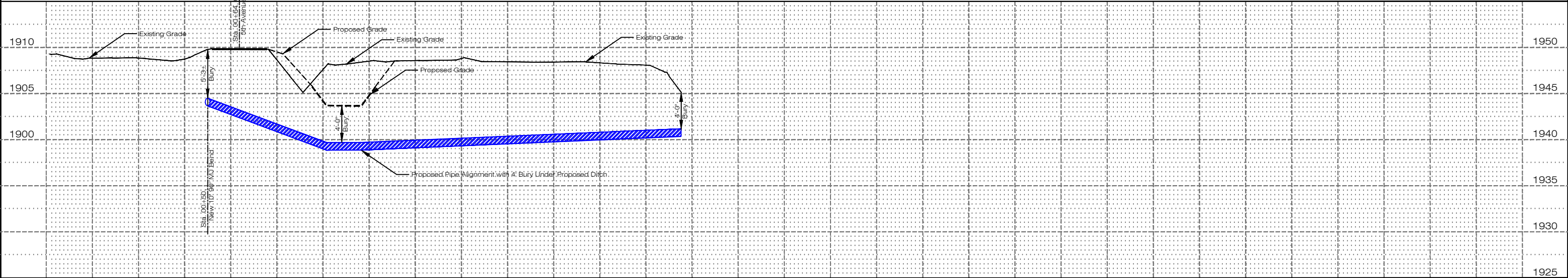
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NOTE:
Underground Utilities Inside of Trailer
Park need to be Located and Verified
for Depth Prior to Start of Construction.
Depth of New Main will be Determined
by this Information.



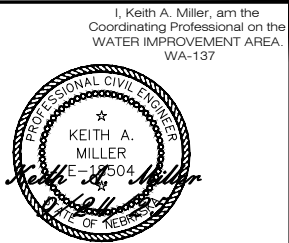
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Know what's below.
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No.	Revision	By	Date	Ckd	App
1	For Bid	S.S.	10/2/25	K.M.	10/3/25

WATER MAIN QUANTITIES									
8" HDD DIP Water Main	509.00	Lin. Ft.	10" Foster Adaptor	1.00	Each				
8" Gate Valve and Box	1.00	Each	8" Foster Adaptor	4.00	Each				
6" Gate Valve and Box	1.00	Each	6" Foster Adaptor	1.00	Each				
Fire Hydrant (5'-6" Bury)	1.00	Each	8" MEGA Lug	5.00	Each				
8"x 8" MJ Tee (3)	258.00	Pounds	Remove 10" MJ Plug	1.00	Each				
8"x 6" MJ Tee (1)	72.00	Pounds							
8" 90° MJ Bend (1)	57.00	Pounds							
10"x 8" MJ Reducer (1)	50.00	Pounds	3 lb. Anode	1.00	Each				
6", 36" SW x SW Adapter (1)	87.00	Pounds	Blue Water Marking Tape	560.00	Lin. Ft.				
8" MJ Plug (3)	78.00	Pounds	Tracer Wire	560.00	Lin. Ft.				
			Tracer Wire Riser	2.00	Each				
			Thrust Block	5.00	Each				

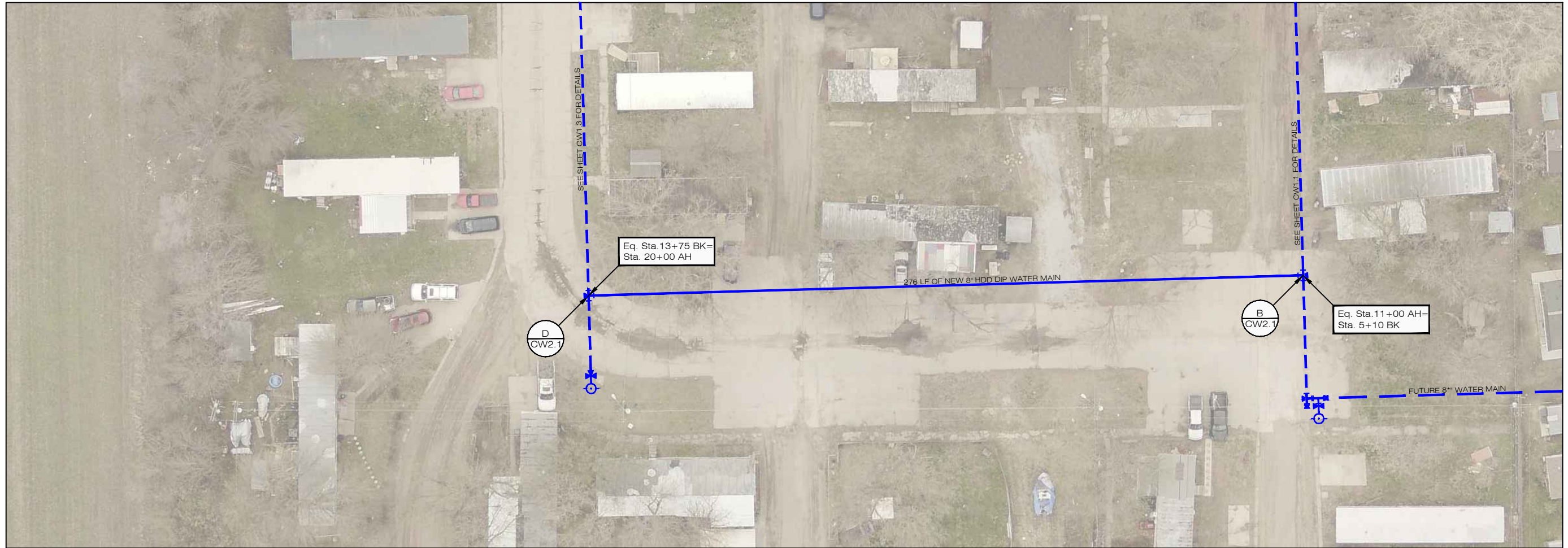


K & K and
Nebraskan Mobile
Park Fire Main.

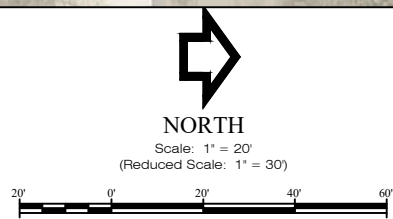


Desn	K. Miller
Drawn	S. Struss
Date	9/24/2025
Supt	B. Lubken
W.O. No.	WA-137
Ckd	
Ckd	
Sheet No.	CW1.1
No.	WR-138
(Paid by Hastings Utilities)	

16+00 15+00 14+00 13+00 12+00 11+00 10+00



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Depth of New Main will be Determined
by this Information.



16+00	15+00	14+00	13+00	12+00	11+00	10+00
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[illegible]

Know what's **below**.
Call before you dig.

[illegible]

I, Keith A. Miller, am the
Coordinating Professional on the
WATER IMPROVEMENT AREA.
WA-137



K & K and
Nebraskan Mobile
Park Fire Main.



Don	K. Miller
Drwn	S. Struss
Date	9/24/2025
Supt.	B. Lubken
W.O. No.	WA-137
Ckd	
Ckd	
Sheet No.	CW1.2
No.	WR-138 (Paid by Hastings Utilities)


 NORTH
 Scale: 1" = 20'
 (Reduced Scale: 1" = 30')



[illegible]

24+00		23+00				22+00		21+00		20+00		19+00		18+00		
 Know what's below. Call before you dig.	No.	Revision	By	Date	Ckd	App	WATER MAIN QUANTITIES									
							8" HDD DIP Water Main	309.00	Lin. Ft.	8" Foster Adaptor	3.00	Each				
							8" DIP Water Main	25.00	Lin. Ft.	6" Foster Adaptor	2.00	Each				
							8" Gate Valve and Box	1.00	Each	8" MEGA Lug	7.00	Each				
							6" Gate Valve and Box	2.00	Each							
							Fire Hydrant (5'-6" Bury)	2.00	Each							
							8"x 8" MJ Tee (4)	344.00	Pounds							
							8"x 6" MJ Reducer (2)	72.00	Pounds	3 lb. Anode	1.00	Each				
							6", 36" SW x SW Adaptor (2)	174.00	Pounds	Blue Water Marking Tape	340.00	Lin. Ft.				
							8" MJ Plug (2)	52.00	Pounds	Tracer Wire	340.00	Lin. Ft.				
						8" MJ Cap (1)	22.00	Pounds	Tracer Wire Riser	2.00	Each					
									Thrust Block	4.00	Each					
1	For Bid		S.S.	10/2/25	K.M.	10/3/25										

I, Keith A. Miller, am the
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WATER IMPROVEMENT AREA,
WA-137

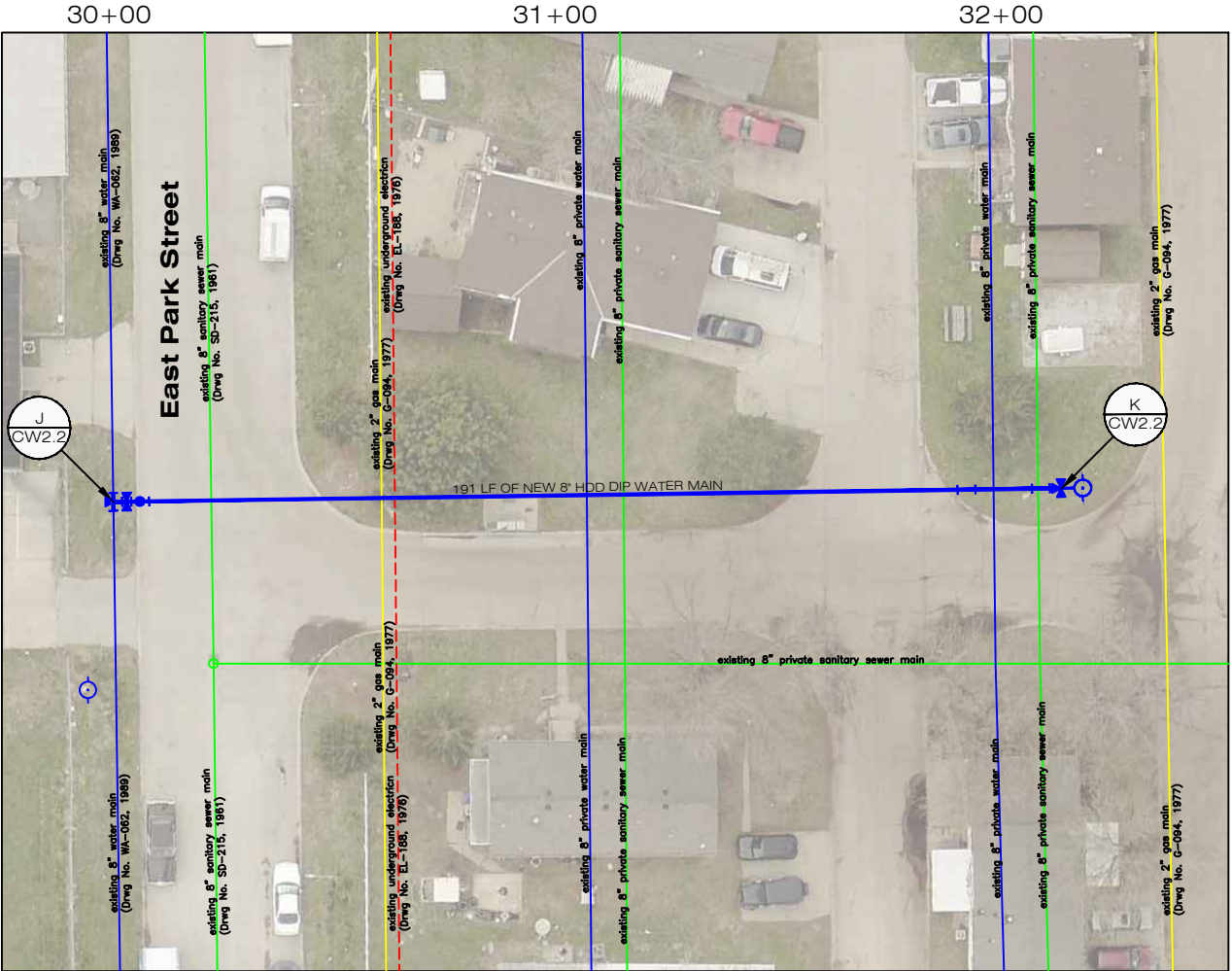
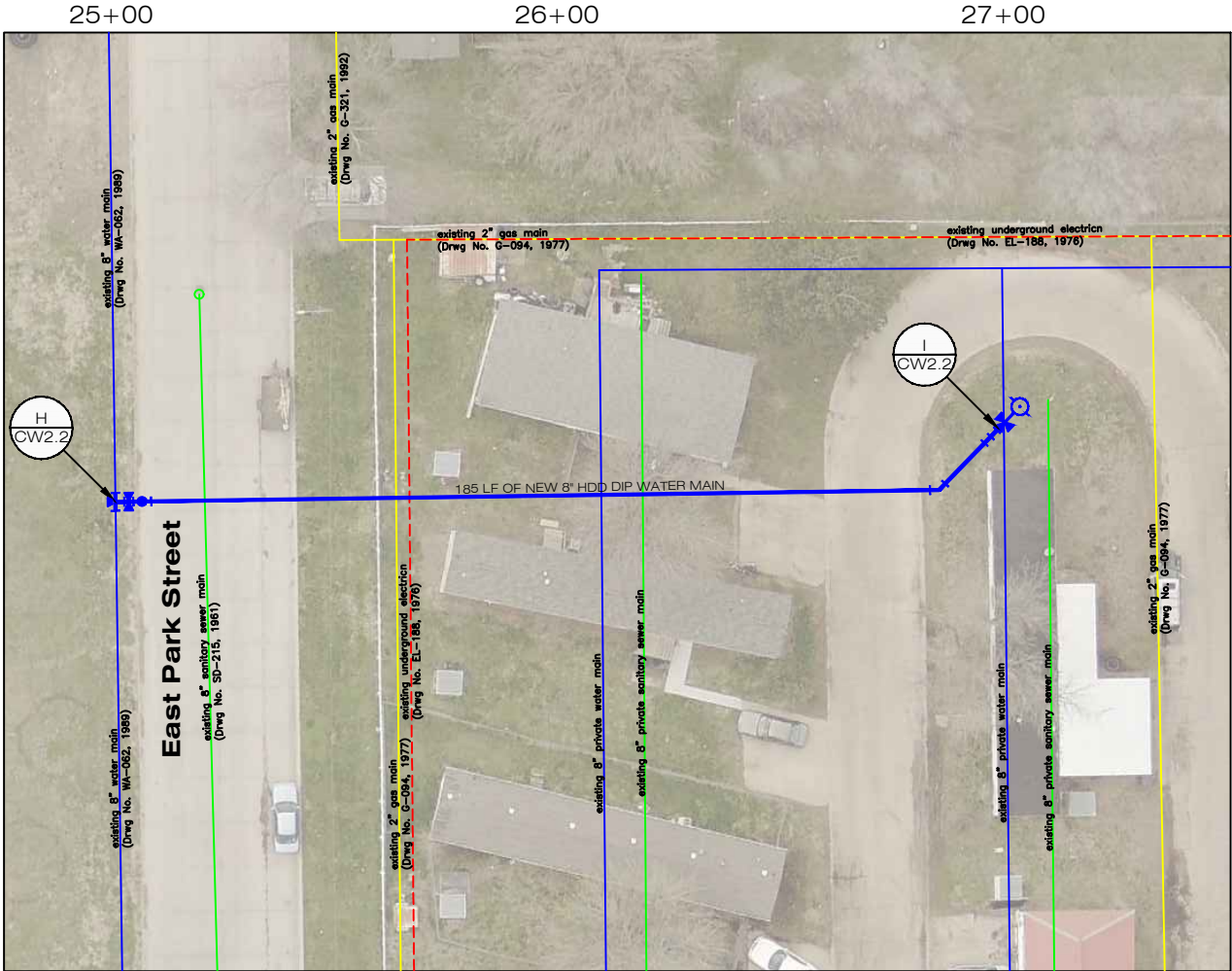


K & K and
Nebraskan Mobile
Park Fire Main.

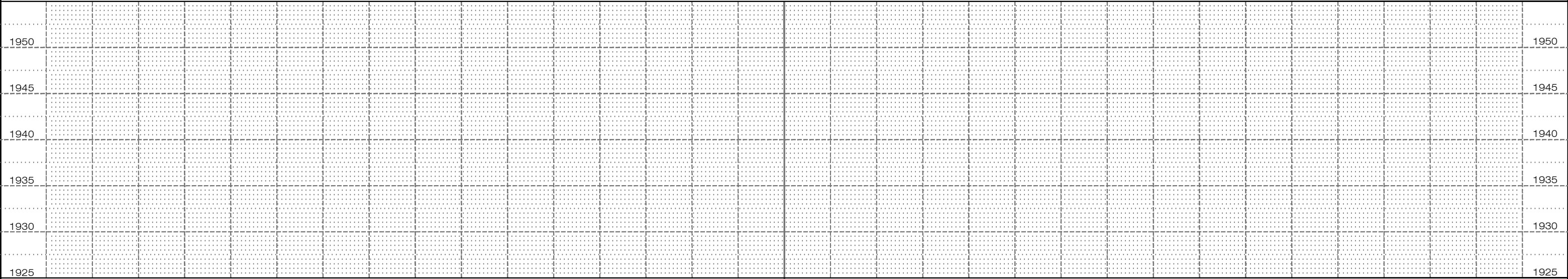
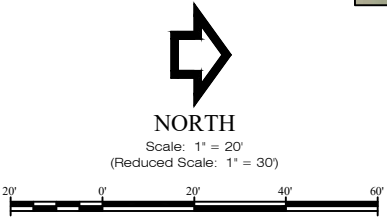


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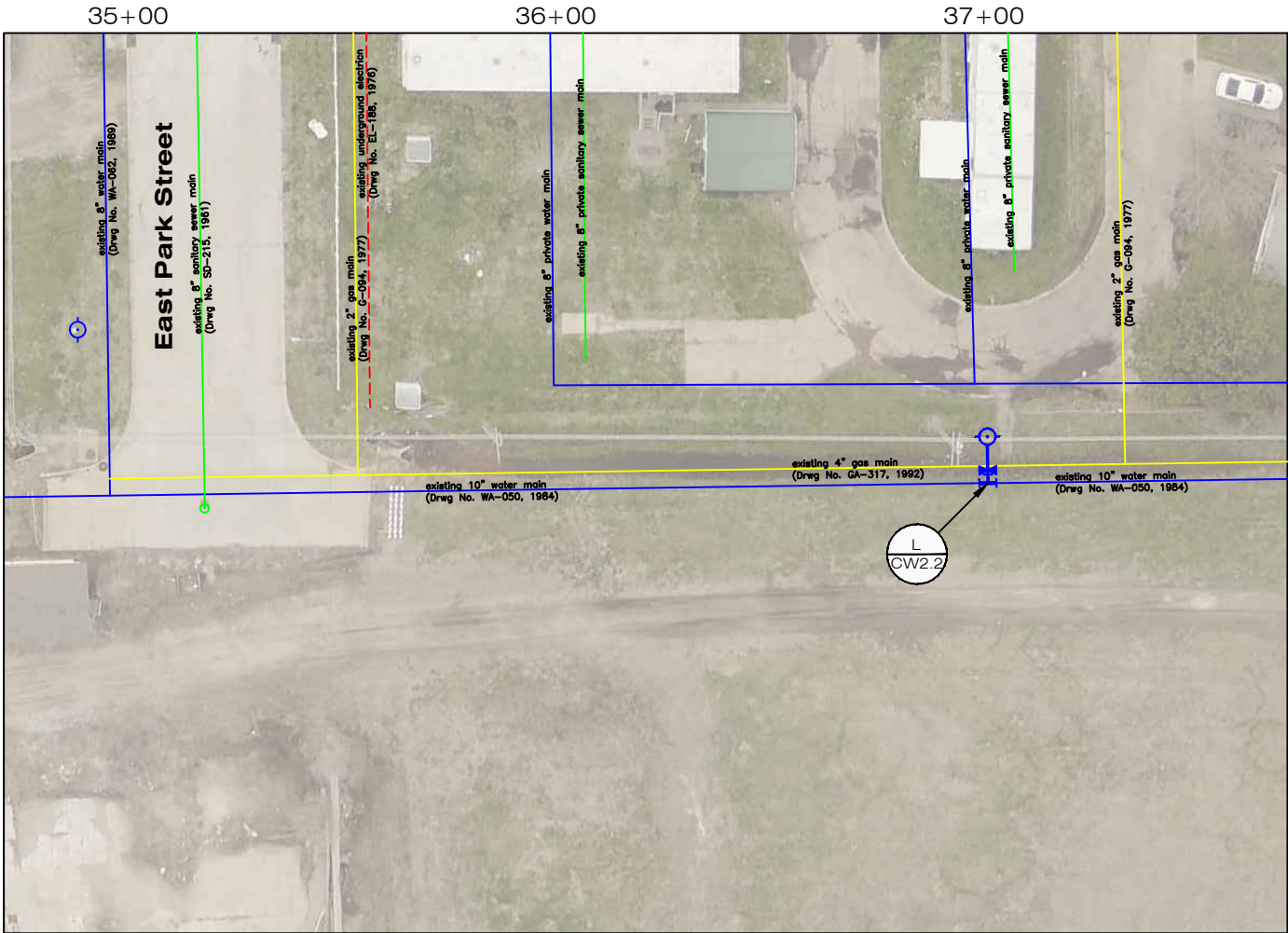
No. **WR-138**
(Paid by Hastings Utilities)



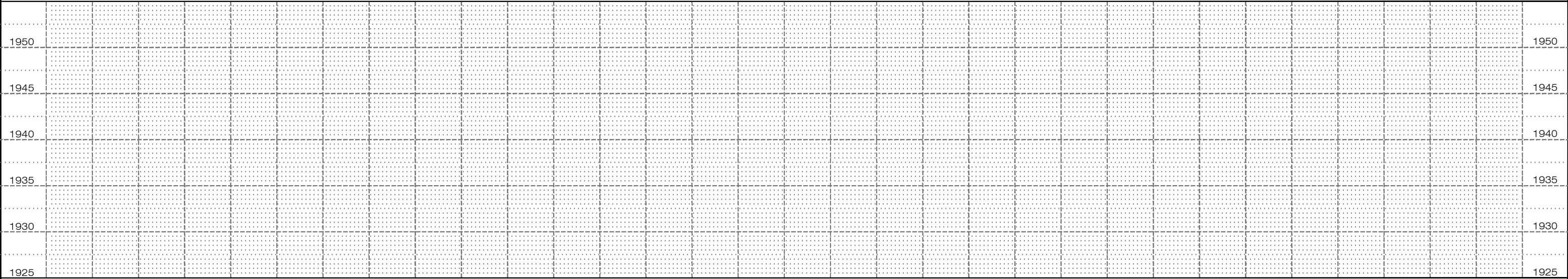
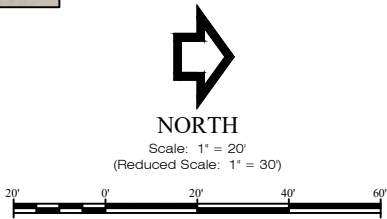
NOTE:
Underground Utilities Inside of Trailer
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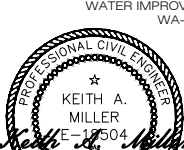


25+00		26+00					27+00			30+00			31+00			32+00					
 Know what's below. Call before you dig.	No.	Revision	By	Date	Ckd	App	WATER MAIN QUANTITIES										I, Keith A. Miller, am the Coordinating Professional on the WATER IMPROVEMENT AREA. WA-137  K & K and Nebraska Mobile Park Fire Main. 				
							8" HDD DIP Water Main	376.00	Lin. Ft.	8" Foster Adaptor	4.00	Each								Den	K. Miller
							8" DIP Water Main	40.00	Lin. Ft.	6" Foster Adaptor	2.00	Each								Drwn	S. Struss
							8"x 8" Tapping Sleeve By HU	2.00	Each	8" MEGA Lug	6.00	Each								Date	9/24/2025
							8" Tapping Valve and Box By HU	2.00	Each											Supt	B. Lubken
							6" Gate Valve and Box	2.00	Each											W.O. No.	WA-137
							Fire Hydrant (5'-6" Bury)	2.00	Each											Ckd	
							8" 45° MJ Tee (4)	184.00	Pounds	3 lb. Anode	2.00	Each								Ckd	
							8"x 6" MJ Reducer (2)	72.00	Pounds	Blue Water Marking Tape	457.00	Lin. Ft.								Sheet No.	CW1.4
							6", 36" SW x SW Adapter (2)	174.00	Pounds	Tracer Wire	457.00	Lin. Ft.								No.	WR-138
						8" MJ Plug (2)	52.00	Pounds	Tracer Wire Riser	4.00	Each						(Paid by Hastings Utilities)				
									Thrust Block	2.00	Each										
	1	For Bid	S.S.	10/2/25	K.M.	10/3/25															

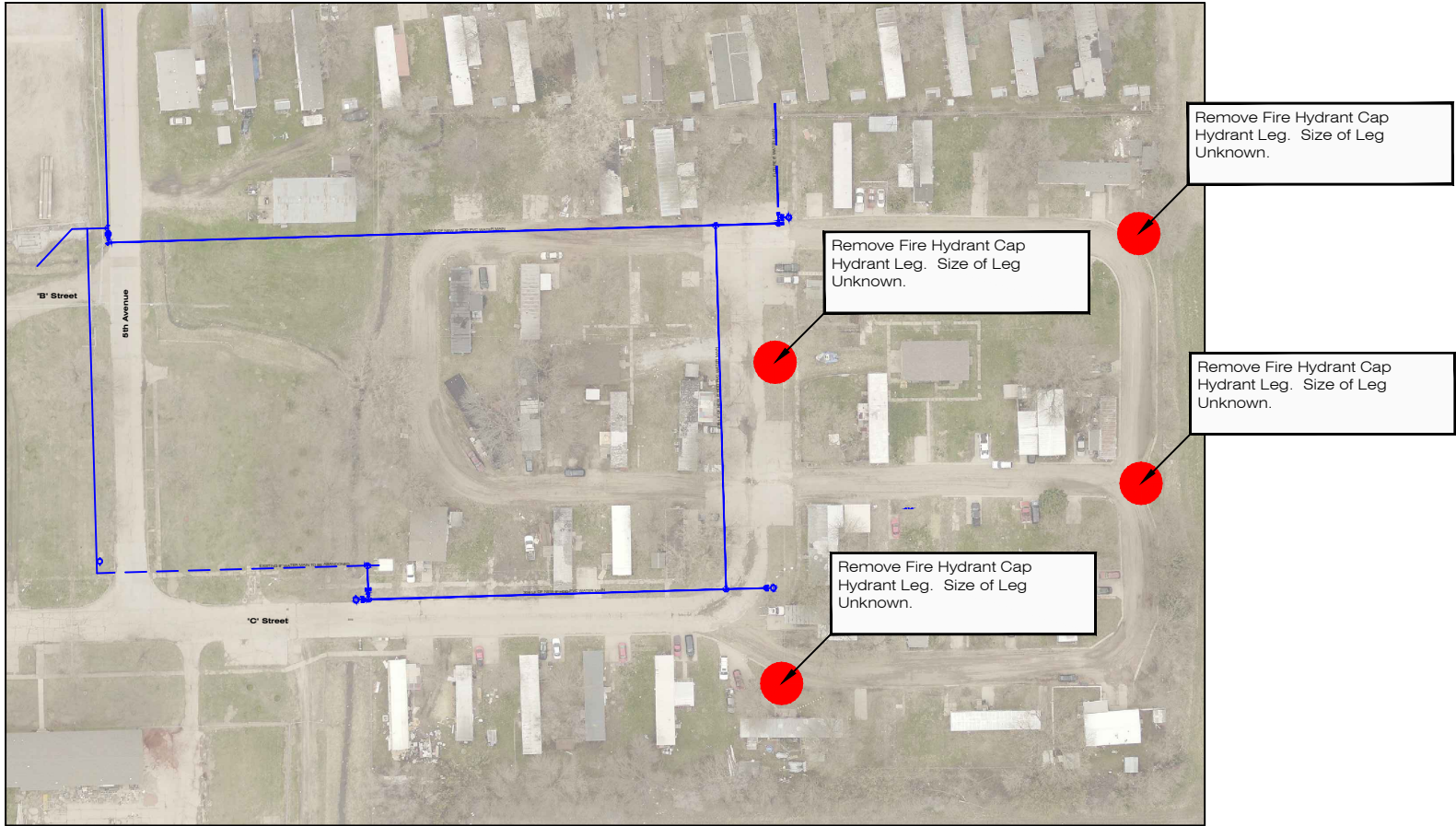
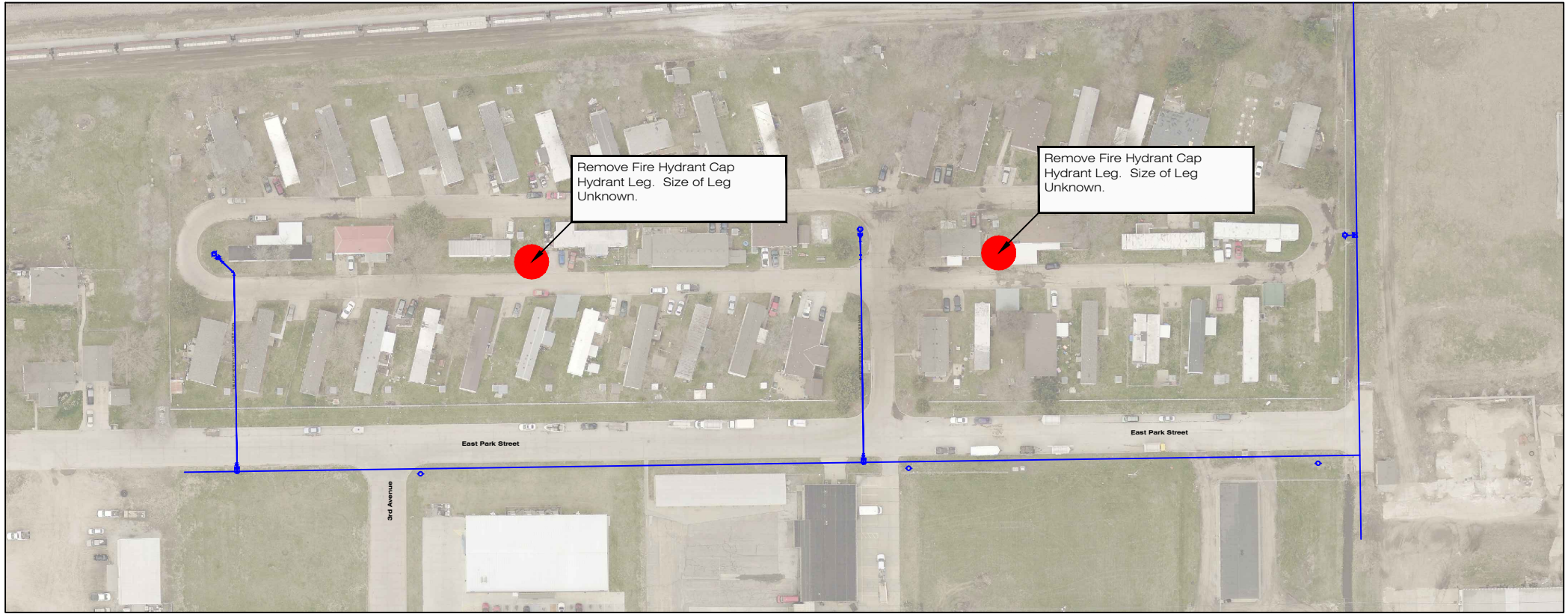


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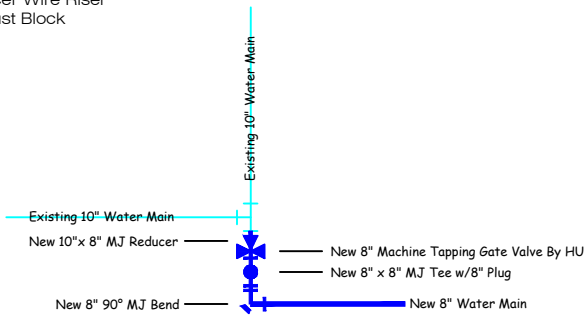
 Know what's below. Call before you dig.	35+00						36+00						37+00						38+00						I, Keith A. Miller, am the Coordinating Professional on the WATER IMPROVEMENT AREA. WA-137 						K & K and Nebraskan Mobile Park Fire Main. 						Dan K. Miller					
	Jrvin S. Struss																																									
	Date 9/24/2025																																									
	Supt. B. Lubken																																									
	W.O. No. WA-137																																									
	Ckd																																									
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	Sheet No. CW1.5																																									
	No. WR-138																																									
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No.	Revision	By	Date	Ckd	App	WATER MAIN QUANTITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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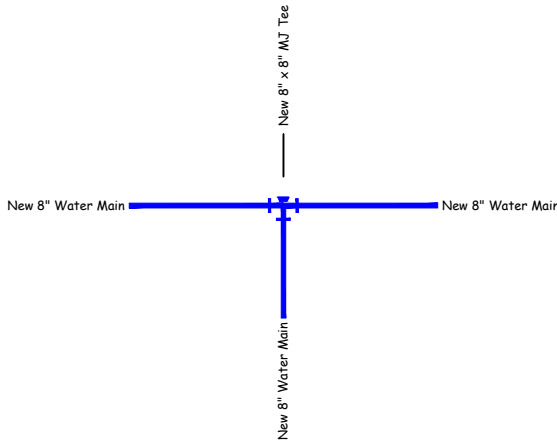
 Know what's below. Call before you dig.	No.	Revision	By	Date	Ckd	App	WATER MAIN QUANTITIES											K & K and Nebraskan Mobile Park Fire Main.			Den	K. Miller	
							Remove Fire Hydrant Cap Hydrant Leg	6.00	Each													Drawn	S. Struss
																						Date	9/24/2025
																						Supt.	B. Lubken
																						W.O. No.	WA-137
																						Ckd	
																						Ckd	
																						Sheet No.	CW1.6
																						No.	
	1	For Bid		S.S.	10/2/25	K.M.	10/3/25																WR-138

- Sta. 00+50, Remove
1 - 10" MJ Plug
Sta. 00+50, Install
1 - 10"x 8" MJ Reducer
1 - 8" Gate Valve w/Box
1 - 8"x 8" MJ Tee
1 - 8" 90° MJ Bend
1 - 8" MJ Plug
1 - 10" Foster Adaptor
3 - 8" Foster Adaptor
1 - 8" Mega Lug
1 - Tracer Wire Riser
1 - Thrust Block



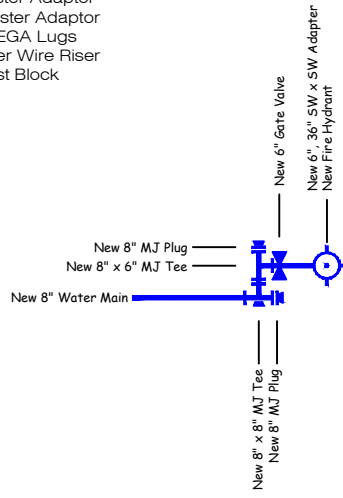
A
CW2.1

- Sta. 5+10, Install
1 - 8"x 8" MJ Tee
3 - 8" MEGA Lug
1 - Thrust Block
Eq. Sta. 5+10 BK=
Eq. Sta. 11+00 AH



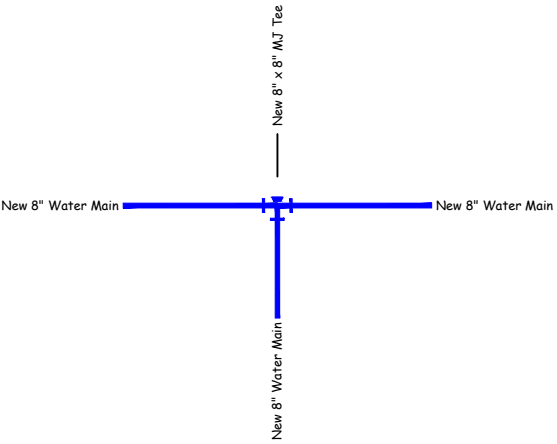
B
CW2.1

- Sta. 5+57, Install
1 - 8"x 8" MJ Tee
1 - 8"x 6" MJ Tee
1 - 6" Gate Valve w/Box
1 - Fire Hydrant (5'-6" Bury)
1 - 6", 36" SW x SW Adapter
2 - 8" MJ Plug
1 - 8" Foster Adaptor
1 - 6" Foster Adaptor
1 - 8" MEGA Lugs
1 - Tracer Wire Riser
3 - Thrust Block



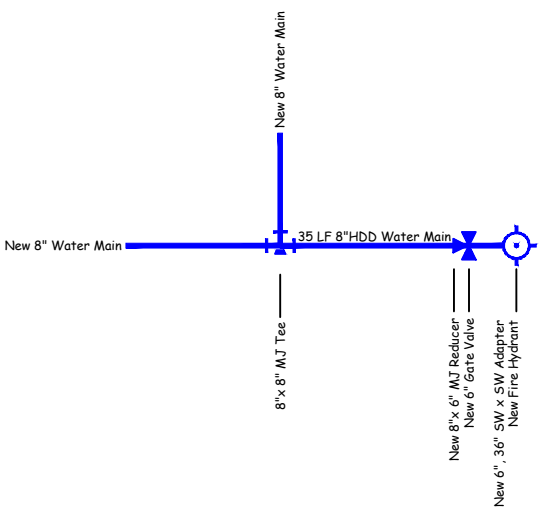
C
CW2.1

- Sta. 13+10, Install
1 - 8"x 8" MJ Tee
3 - 8" MEGA Lug
1 - Thrust Block
Eq. Sta. 13+10 BK=
Eq. Sta. 20+00 AH



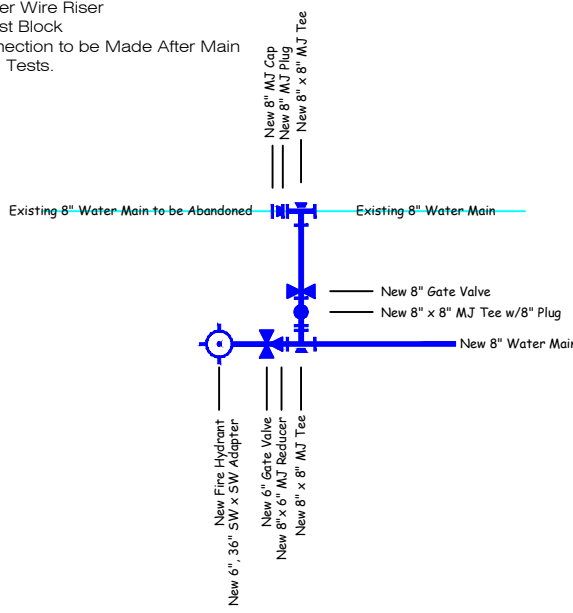
D
CW2.1

- Sta. 13+75, Install
1 - 8"x 8" MJ Tee
1 - 8"x 6" MJ Reducer
1 - 6" Gate Valve and Box
1 - 6", 36" SW x SW Adapter
1 - 6" Foster Adaptor
35 LF - 8" HDD Water Main
4 - 8" MEGA Lug
1 - Tracer Wire Riser
1 - Thrust Block
Eq. Sta. 13+75 BK=
Eq. Sta. 20+00 AH



D
CW2.1

- Sta. 22+71, Install
3 - 8"x 8" MJ Tee
1 - 8" Gate Valve w/Box
1 - 6" Gate Valve w/Box
1 - Fire Hydrant (5'-6" Bury)
1 - 8"x 6" MJ Reducer
1 - 6", 36" SW x SW Adapter
2 - 8" MJ Plug
1 - 8" MJ Cap
3 - 8" Foster Adaptor
1 - 6" Foster Adaptor
3 - 8" MEGA Lugs
25 LF - 8" DIP Water Main
1 - Tracer Wire Riser
3 - Thrust Block
Final Connection to be Made After Main
Passes All Tests.

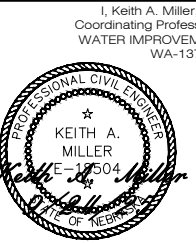


E
CW2.1



Know what's below.
Call before you dig.

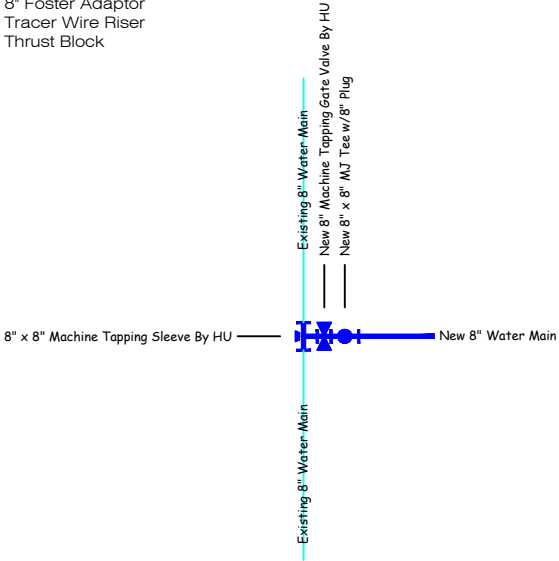
No.	Revision	By	Date	Ckd	App
1	For Bid	S.S.	10/2/25	K.M.	10/3/25



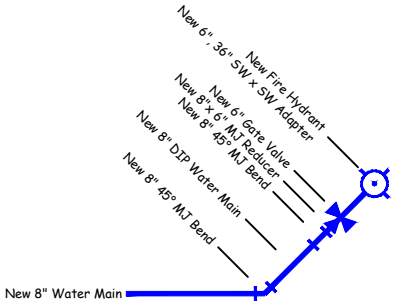
K & K and
Nebraskan Mobile
Park Fire Main.

Desn	K. Miller
Drwn	S. Struss
Date	9/24/2025
Supt	B. Lubken
W.O. No.	WA-137
Ckd	
Ckd	
Sheet No.	CW2.1
No.	WR-138 (Paid by Hastings Utilities)

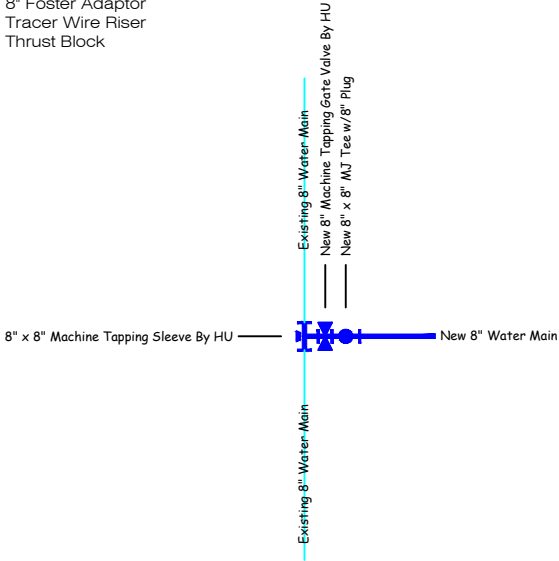
- Sta. 25+00, Install
- 1 - 8"x 8" Tapping Sleeve by HU
 - 1 - 8" Tapping Valve by HU
 - 1 - 8"x 8" MJ Tee
 - 1 - 8" MJ Plug
 - 1 - 8" Foster Adaptor
 - 1 - Tracer Wire Riser
 - 1 - Thrust Block



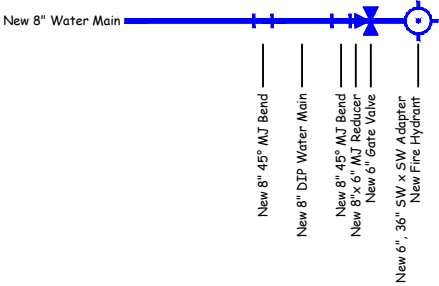
- Sta. 26+99, 15' Lt., Install
- 2 - 8" 45° MJ Bend
 - 1 - 8" x 6" MJ Reducer
 - 3 - 8" MEGA Lug
 - 1 - 8" Foster Adaptor
 - 1 - 6" Foster Adaptor
 - 1 - 6" Gate Valve w/Box
 - 1 - Fire Hydrant (5'-6" Bury)
 - 1 - 6", 36" SW x SW Adapter
 - 20 LF - 8" DIP Water Main
 - 1 - Tracer Wire Riser



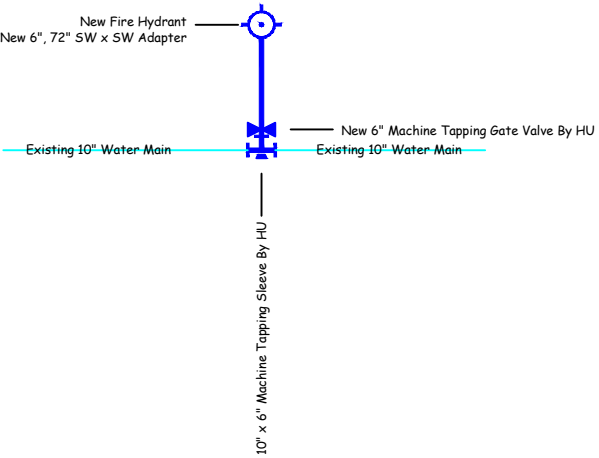
- Sta. 30+00, Install
- 1 - 8"x 8" Tapping Sleeve by HU
 - 1 - 8" Tapping Valve by HU
 - 1 - 8"x 8" MJ Tee
 - 1 - 8" MJ Plug
 - 1 - 8" Foster Adaptor
 - 1 - Tracer Wire Riser
 - 1 - Thrust Block



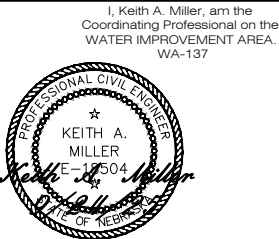
- Sta. 32+12, Install
- 2 - 8" 45° MJ Bend
 - 1 - 8" x 6" MJ Reducer
 - 3 - 8" MEGA Lug
 - 1 - 8" Foster Adaptor
 - 1 - 6" Foster Adaptor
 - 1 - 6" Gate Valve w/Box
 - 1 - Fire Hydrant (5'-6" Bury)
 - 1 - 6", 36" SW x SW Adapter
 - 20 LF - 8" DIP Water Main
 - 1 - Tracer Wire Riser



- Sta. 37+00, Install
- 1 - 10"x 6" Tapping Sleeve by HU
 - 1 - 6" Tapping Valve by HU
 - 1 - Fire Hydrant (5'-6" Bury)
 - 1 - 6", 72" SW x SW Adapter



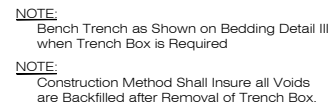
No.	Revision	By	Date	Ckd	App
1	For Bid	S.S.	10/2/25	K.M.	10/3/25



K & K and
Nebraskan Mobile
Park Fire Main.



Desn	K. Miller
Drwn	S. Struss
Date	9/24/2025
Supt	B. Lubken
W.O. No.	WA-137
Ckd	
Ckd	
Sheet No.	CW2.2
No.	WR-138
(Paid by Hastings Utilities)	



TYPE II BEDDING-DIP WATER MAIN
Not to Scale

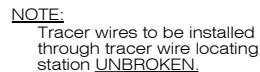


PIPE SIZE (INCH (mm))	A FEET (m)	B FEET (m)	C FEET (m)	D INCH (mm)
4 (101mm)	1.00 (.30m)	1.00 (.30m)	1.00 (.30m)	3 (76mm)
6 (152mm)	1.50 (.46m)	1.50 (.46m)	1.00 (.30m)	6 (152mm)
8 (203mm)	2.00 (.61m)	2.00 (.61m)	1.00 (.30m)	6 (152mm)
10 (254mm)	2.50 (.76m)	2.50 (.76m)	2.00 (.61m)	9 (228mm)
12 (304mm)	3.00 (.91m)	3.00 (.91m)	2.00 (.61m)	9 (228mm)
14 (355mm)	3.00 (.91m)	3.00 (.91m)	2.50 (.76m)	12 (304mm)
16 (406mm)	4.00 (1.20m)	3.00 (.91m)	2.50 (.76m)	12 (304mm)
18 (457mm)	4.00 (1.20m)	4.00 (1.20m)	2.50 (.76m)	12 (304mm)
20 (508mm)	4.00 (1.20m)	4.00 (1.20m)	3.00 (.91m)	16 (406mm)
24 (609mm)	4.50 (1.40m)	4.50 (1.40m)	3.00 (.91m)	16 (406mm)
30 (762mm)	4.50 (1.40m)	5.00 (1.50m)	3.50 (1.10m)	18 (457mm)
36 (914mm)	5.00 (1.50m)	5.00 (1.50m)	3.50 (1.10m)	18 (457mm)
42 (1066mm)	5.50 (1.70m)	5.50 (1.70m)	4.00 (1.20m)	24 (609mm)
48 (1219mm)	6.00 (1.80m)	6.00 (1.80m)	4.00 (1.20m)	24 (609mm)

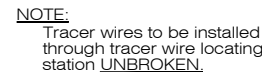
CONCRETE THRUST BLOCK



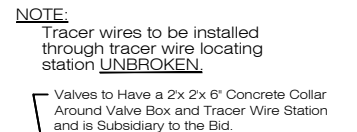
HYDRANT AND VALVE



TRACER WIRE LOCATING STATION FOR MAIN LINE VALVE AND FIRE HYDRANT



PLAN VIEW
not to scale

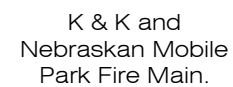


PLAN VIEW
not to scale



No.	Revision	By	Date	Ckd	App
1	For Bid	S.S.	10/2/25	K.M.	10/3/25

I, Keith A. Miller, am the
Coordinating Professional on the
WATER IMPROVEMENT AREA.
WA-137



Dsn	K. Miller
Drwn	S. Struss
Date	9/24/2025
Supt.	B. Lubken
W.G. No.	WA-137
Ckd	
Ckd	
Sheet No.	CW3.1
No.	WR-138 (Paid by Hastings Utilities)