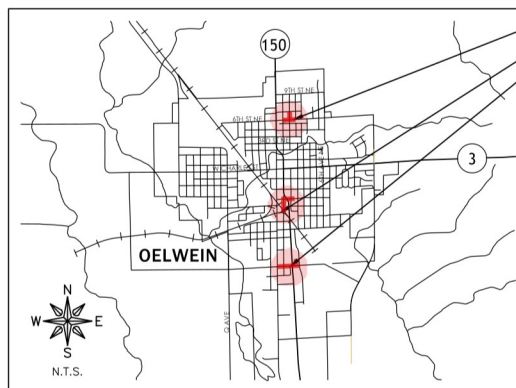


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A.02	LEGEND
A.03	LOCATION & DIVISION MAP
B.01	TYPICAL CROSS SECTIONS 6TH ST NE & 3RD AVE NE - DIVISION 1
B.02	TYPICAL CROSS SECTIONS 1ST AVE SE - DIVISION 2
B.03	TYPICAL CROSS SECTIONS 3RD ST SE - DIVISION 2
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D.05	PLAN & PROFILE 3RD ST & 1ST AVE - DIVISION 2
D.06	PLAN & PROFILE 3RD ST & 1ST AVE - DIVISION 2
D.07	PLAN & PROFILE 10TH ST - DIVISION 3
D.08	PLAN & PROFILE 10TH ST - DIVISION 3
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L.01	JOINTING PLAN 10TH ST - DIVISION 3
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L.06	INTERSECTION DETAIL 7TH ST & 3RD AVE - DIVISION 1
L.07	INTERSECTION DETAILS 10TH ST - DIVISION 3
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M.01	PLAN & PROFILE WATER MAIN 6TH ST & 3RD AVE - DIVISION 1
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2026 WATER SYSTEM IMPROVEMENTS

FOR

CITY OF OELWEIN OELWEIN, IOWA

25-905
FAYETTE COUNTY
AUGUST 2025

LOCATION MAP

PROJECT LOCATIONS

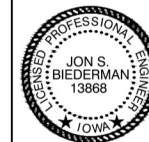
DIVISION 1: 6TH ST. NE & 3RD AVE NE
DIVISION 2: 1ST AVE SE & 3RD ST SE
DIVISION 3: 10TH ST SE

THIS PROJECT IS COVERED BY IOWA DNR NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2, AND THE STORM WATER POLLUTION PREVENTION PLAN WHICH IS A PART OF THESE CONTRACT DOCUMENTS.

THE 2025 VERSION OF THE STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, ALSO KNOWN AS SUDAS (2025), PLUS FEHR GRAHAM SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.



PERMIT SET



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Jon S. Biederman, P.E.
License Number 13868
My license renewal date is December 31, 2026.
Pages or sheets covered by this seal: All

08/27/2025

Date

OWNER/DEV	CITY OF OELWEIN
ADDRESS	20 2ND AVE. SW
	OELWEIN, IOWA 50662
P#	319-283-5440
F#	319-283-4032

CITY ADMINISTRATION	
MAYOR.....	BRETT DEVORE
COUNCIL MEMBERS.....	RENEE CANTRELL
	DAVE LENZ
	LYNDA PAYNE
	ANTHONY RICCHIO
	KAREN SEEDERS
	MATT WEBER
CITY ADMINISTRATOR.....	DYLAN MULFINGER
CITY CLERK.....	BARBARA RIGDON

UTILITIES	
UTILITY TYPE	COMMON NAME
WATER & SEWER	OELWEIN, CITY OF
ELECTRIC	ALLIANT
TELEPHONE	CENTURY LINK
GAS	ALLIANT
CABLE	MEDIACOM
(CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS TO BE MADE.)	

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

ILLINOIS

IOWA

WISCONSIN

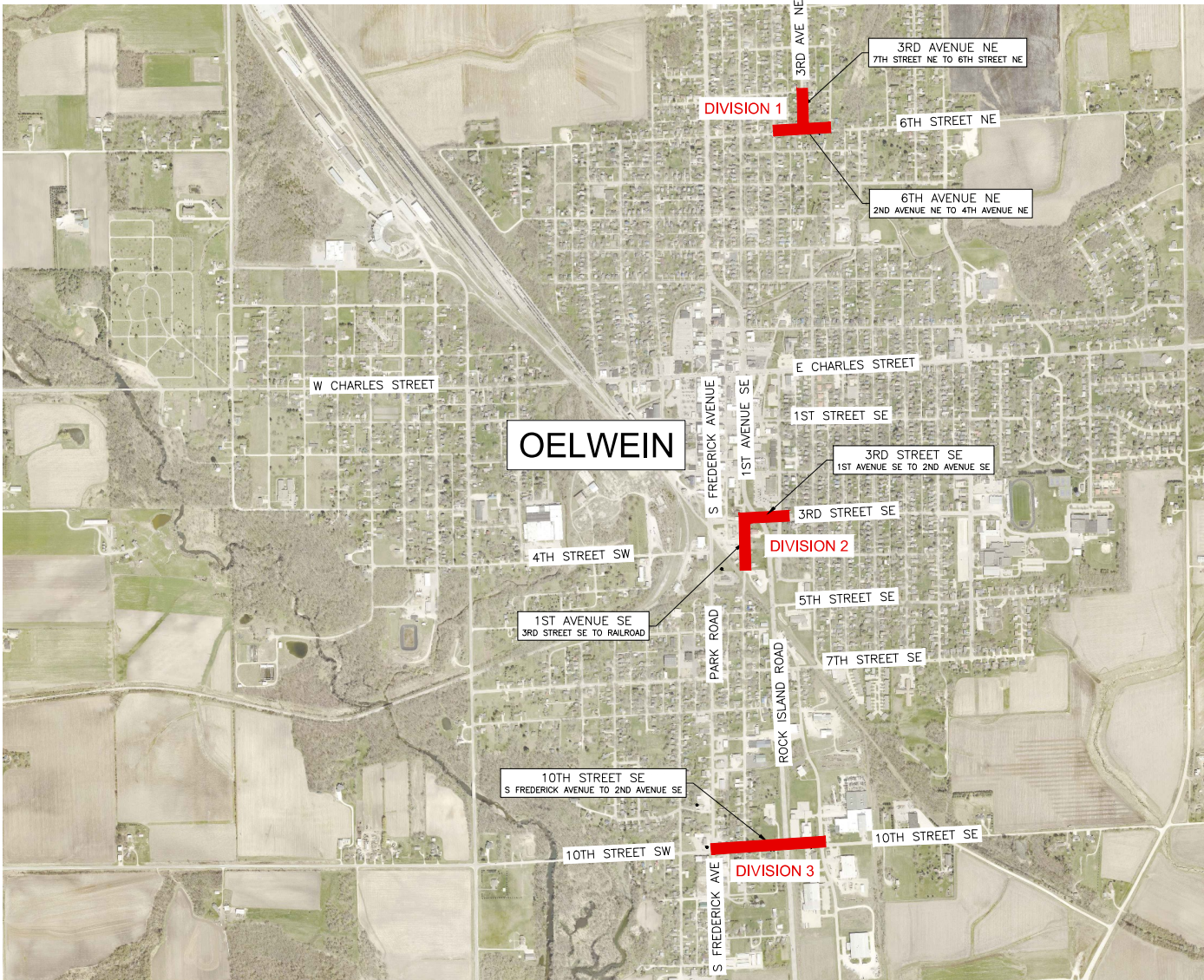
WEST UNION, IOWA
128 S VINE STREET
WEST UNION, IA 52175
P# (563) 422-5131

ABBREVIATIONS

<	ANGLE
ABC	AGGREGATE BASE COURSE
ACR	ACRE(S)
ACI	AMERICAN CONCRETE INSTITUTE
AGR	AGGREGATE
ASC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ARCH	ARCHITECT
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
B	BALL VALVE
BFP	BACKFLOW PREVENTER
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCKING
BM	BENCHMARK
BTM	BOTTOM
ROUT	BASEMENT
BU	BUTTERFLY VALVE
B-V	BACK-TO-BACK OF CURB DIMENSION
CL or C	CENTERLINE
CL or C	CENTER TO CENTER
C-G	CURB AND GUTTER
CF	CUBIC FEET
CHD	CHORD LENGTH
CI	CAST IRON PIPE
CHK	CHECK VALVE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CTY	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
C-B	CENTERLINE TO BACK OF CURB DIMENSION
COORD	COORDINATE
CU	COPPER PIPING
CTRS	CENTERS
CY	CUBIC YARDS
CS	CORPORATION STOP
CS	DEGREE OF CURVE
DEP	DEPRESSED
DET	DETAIL
DIAG	DIAGONAL
DI	DIMENSION
DI	DUCTILE IRON PIPE
DN	DOWN
DNSTR	DOWNSTREAM
DP	DRAINAGE PIPE/STORM PIPE
DWG	DRAWING
E	EAST
EJ	EXPANSION JOINT
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EW	EACH WAY
EXP	EXPANSION
EX, EXIST	EXISTING
EXT	EXTERIOR
E =	EXTERNAL DISTANCE
FD	FLOOR DRAIN
FN	FOUNDATION
FE	FIELD ENTRANCE
FIN	FINISH FLOOR
FIL	FILLET
FL	FINISH
FL	FLOW LINE
FLR	FLOOR
FM	FORCE MAIN
FND	FOUND
FRMG	FRAMING
FTG	FOOTING
F-CE	FACE TO FACE
G	GAUGE
GI	GALVANIZED IRON PIPE
GRD	GRADE
GRS	GRATING SUPPORT
GRT	GROUT
GV	GAS VALVE
GYP	GYPSUM
HSE	HOUSE
HSE	HORIZONTAL CURVE
HMA	HOT MIX ASPHALT
HNGR	HANGER
HORIZ	HORIZONTAL
H.P.	HIGH POINT
HW	HOT WATER
HW	HOT WATER HEATER
HW	HOT WATER HEATER
INT	INTERIOR
INT	INTERIOR
INT	INTERIOR ELEVATION; BASED ON BENCH MARK DATUM
IP	IRON PIPE
JST	JOIST
L	LENGTH OF CURVE
LAT	LATERAL
LAV	LAVATORY
LF	LINEAL FEET
L.P.	LOW POINT
LT	LEFT OF SURVEY BASE LINE
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MTL	METAL
N	NORTH
No. or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OUTSIDE TO OUTSIDE
OPNG	OPENING
OPP	OPPOSITE
PC	POINT OF CURVATURE
POC	PORTLAND CEMENT CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCF	PERFORATED DRAIN PIPE

PE	POLYETHYLENE PIPE
PI	POINT OF INTERSECTION
PL	PLATE
PLG	PLUG VALVE
PLM	POLYPROPYLENE PIPE
PLYWD	PLYWOOD
PM	PRINCIPAL MERIDIAN
PR	PRESSURE REGULATORS
PRC	POINT OF REVERSE CURVATURE
PRSS	PRESSURE
PR, PROP	PROPOSED
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PIPE SLEEVES
PT	POINT OF TANGENCY
PLG	PLUG VALVE
PVC	POLYVINYL CHLORIDE (PLASTIC) PIPE
R	RADIUS
RDR	RADIUS
RCCP	REINFORCED CONCRETE CYLINDER PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD DRAIN
REINF	REINFORCING
REQD	REQUIRED
ROW	RIGHT OF WAY
RTR	RAFTER
ROUND	ROUND
RR	RAILROAD
RSP	RAILROAD SPIKE
RT	RIGHT
R&R	REMOVE AND REPLACE
SOUTH	SOUTH
SB	STREAM BED
SCHED	SCHEDULE
SEC	SECTION
SF	SQUARE FEET
SHR	SHOWER
SH	SHEET
SHTG	SHEATHING
SP	SANITARY PIPE
SPA	SPACING OR SPACES
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SERVICE
STA	STATION
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SW	SIDEWALK
SY	SQUARE YARDS
SYM	SYMMETRICAL
TAN	TANGENT LENGTH
TBC	TOP BACK OF CURB
TEM	TEMPORARY BENCH MARK; BASED ON BENCHMARK DATUM
THD	THICK
THK	THICK
TR	TREAD
TYPE	TYPE
TY	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
UP	UNITY POLE
UPSTR	UPSTREAM
UR	URINAL
USGS	US GEOLOGICAL SURVEY
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VOL	VOLUME
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPT	VERTICAL POINT OF TANGENCY
W	WEST
WC	WATER CLOSET
WF	WIDE FLANGE
WM	WATER MAIN
WMQ	WATER MAIN QUALITY
WV	WATER VALVE
WGT	WEIGHT
WP	WEATHER PROOF
WS	

SYMBOLS		
EXISTING EXISTING R.O.W. RIGHT-OF-WAY LINE PROPERTY LINE CENTERLINE SETBACK LINE EASEMENT LINE SECTION LINE SECTION CORNER COORDINATE POINT ON GRID SYSTEM FOUND OR SET PROPERTY PIN RIGHT-OF-WAY MARKER BENCHMARK CONTOUR LINE SPOT ELEVATION (AT 600) FENCE LINE SILT FENCE LINE CURB AND GUTTER TIP OUT CURB AND GUTTER SAWCUT, LIMITS OF PAVEMENT REMOVAL & REPLACEMENT DECIDUOUS TREE W/ SIZE CONIFEROUS TREE W/ SIZE TREE STUMP HEDGEROW BUSH OR SHRUB TREE LINE CONSTRUCTION LIMIT LINE SIGN (MULTIPLE POST, SINGLE POST, STREET SIGN) SIGN (PYLON) GUARD RAIL RAILROAD TRACKS BUILDING MAILBOX FLAGPOLE BOLLARD AIR CONDITIONER	CIVIL RIGHT-OF-WAY LINE PROPERTY LINE CENTERLINE SETBACK LINE EASEMENT LINE SECTION LINE SECTION CORNER COORDINATE POINT ON GRID SYSTEM FOUND OR SET PROPERTY PIN RIGHT-OF-WAY MARKER BENCHMARK CONTOUR LINE SPOT ELEVATION (AT 600) FENCE LINE SILT FENCE LINE CURB AND GUTTER TIP OUT CURB AND GUTTER SAWCUT, LIMITS OF PAVEMENT REMOVAL & REPLACEMENT DECIDUOUS TREE W/ SIZE CONIFEROUS TREE W/ SIZE TREE STUMP HEDGEROW BUSH OR SHRUB TREE LINE CONSTRUCTION LIMIT LINE SIGN (MULTIPLE POST, SINGLE POST, STREET SIGN) SIGN (PYLON) GUARD RAIL RAILROAD TRACKS BUILDING MAILBOX FLAGPOLE BOLLARD AIR CONDITIONER	PROPOSED PROPOSED R.O.W. RIGHT-OF-WAY LINE PROPERTY LINE CENTERLINE SETBACK LINE EASEMENT LINE SECTION LINE SECTION CORNER COORDINATE POINT ON GRID SYSTEM FOUND OR SET PROPERTY PIN RIGHT-OF-WAY MARKER BENCHMARK CONTOUR LINE SPOT ELEVATION (AT 600) FENCE LINE SILT FENCE LINE CURB AND GUTTER TIP OUT CURB AND GUTTER SAWCUT, LIMITS OF PAVEMENT REMOVAL & REPLACEMENT DECIDUOUS TREE W/ SIZE CONIFEROUS TREE W/ SIZE TREE STUMP HEDGEROW BUSH OR SHRUB TREE LINE CONSTRUCTION LIMIT LINE SIGN (MULTIPLE POST, SINGLE POST, STREET SIGN) SIGN (PYLON) GUARD RAIL RAILROAD TRACKS BUILDING MAILBOX FLAGPOLE BOLLARD AIR CONDITIONER
EXISTING WATER SERVICE WATER PIPE FIRE HYDRANT YARD HYDRANT WATER VALVE WITH BOX CURB STOP W/ CURB BOX REDUCER WATER VALVE VAULT 11.25° BEND 22.50° BEND 45° BEND 90° BEND TEE CAP WATER METER SPRINKLER HEAD TRACER WIRE BOX	WATER WATER SERVICE WATER PIPE FIRE HYDRANT YARD HYDRANT WATER VALVE WITH BOX CURB STOP W/ CURB BOX REDUCER WATER VALVE VAULT 11.25° BEND 22.50° BEND 45° BEND 90° BEND TEE CAP WATER METER SPRINKLER HEAD TRACER WIRE BOX	PROPOSED PROPOSED WATER SERVICE PROPOSED WATER PIPE PROPOSED FIRE HYDRANT PROPOSED YARD HYDRANT PROPOSED WATER VALVE WITH BOX PROPOSED CURB STOP W/ CURB BOX PROPOSED REDUCER PROPOSED WATER VALVE VAULT PROPOSED 11.25° BEND PROPOSED 22.50° BEND PROPOSED 45° BEND PROPOSED 90° BEND PROPOSED TEE PROPOSED CAP

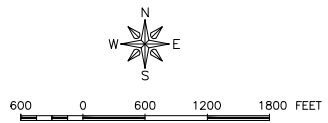


THIS PROJECT INCLUDES THREE DIVISIONS. ONE OVERALL CONTRACT FOR ALL THREE DIVISIONS WILL BE AWARDED. DIVISIONS WILL BE USED FOR ACCOUNTING OF QUANTITIES IN EACH OF THE INDIVIDUAL PROJECT LOCATIONS.

DIVISION ONE INCLUDES WORK ALONG SIXTH STREET NORTHEAST BETWEEN SECOND AVENUE NORTHEAST AND FORTH AVENUE NORTHEAST, AND WORK ALONG THIRD AVENUE NORTHEAST BETWEEN SIXTH STREET NORTHEAST AND SEVENTH STREET NORTHEAST

DIVISION TWO INCLUDES WORK ALONG FIRST AVENUE SOUTHEAST BETWEEN THIRD STREET SOUTHEAST AND THE IOWA NORTHERN RAILROAD TRACKS, AND WORK ALONG THIRD STREET SOUTHEAST BETWEEN FIRST AVENUE SOUTHEAST AND SECOND AVENUE SOUTHEAST

DIVISION THREE INCLUDES WORK ALONG TENTH AVENUE SOUTHEAST BETWEEN SOUTH FREDERICK AVENUE AND SECOND AVENUE SOUTHEAST.



FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF OELWEIN
20 2ND AVENUE SW
OELWEIN, IA 50662

PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

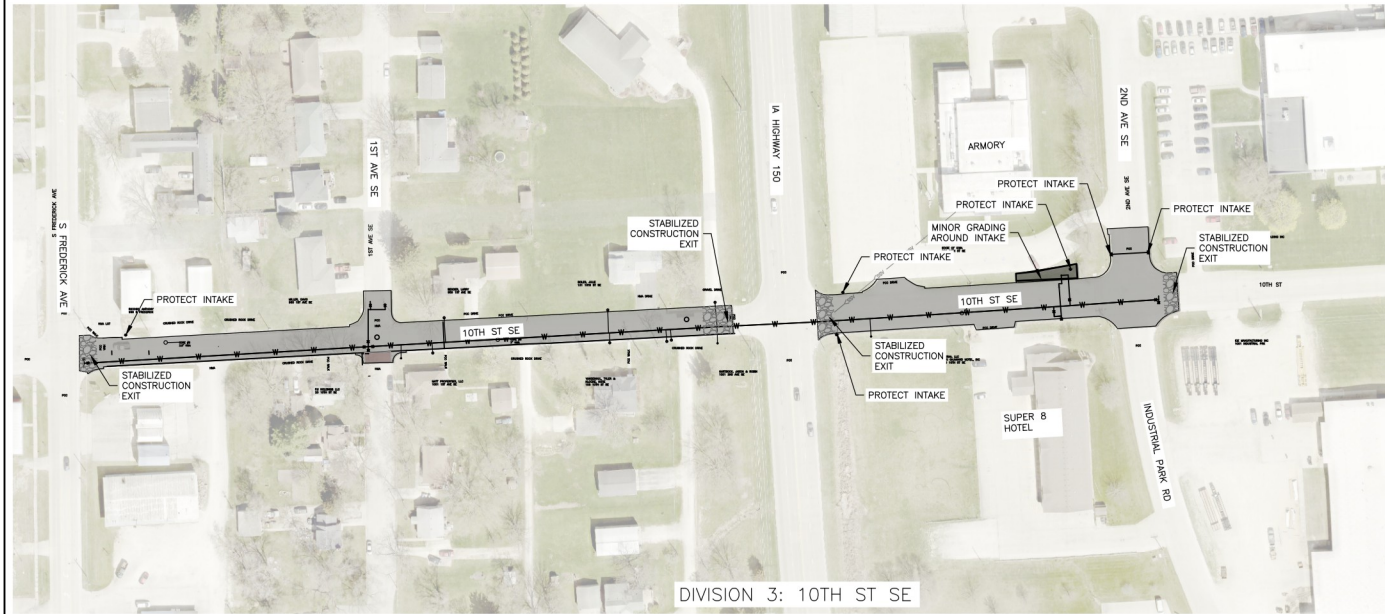
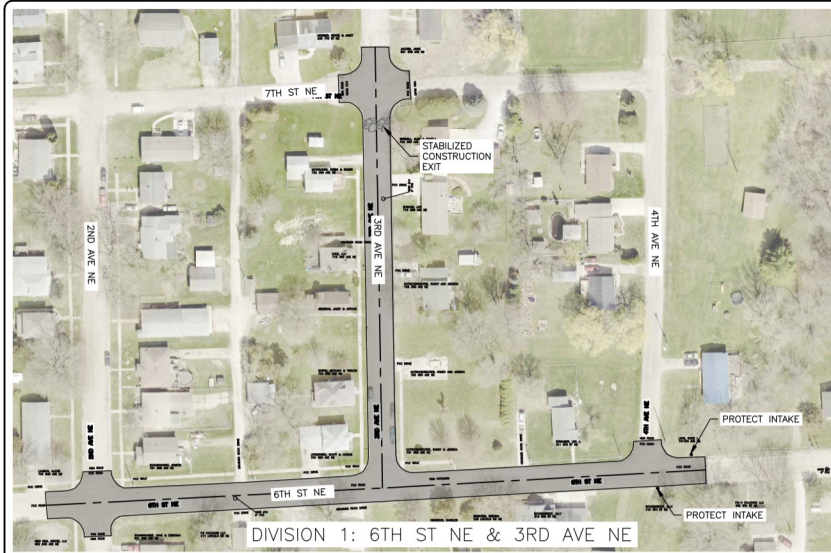
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
LOCATION &
DIVISION MAP

SET TYPE: PERMIT SET
6/13/2025 10:25:00 SITE MAP.dwg A03

JOB NUMBER:
25-905

SHEET NUMBER:
A.03



NOTES:
-SEE SHEET C.04 FOR GENERAL NOTES AND OVERALL SITE MAP.



70 0 70 14 210 FEET

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CITY OF OELWEIN
20 2ND AVENUE SW
OELWEIN, IA 50662

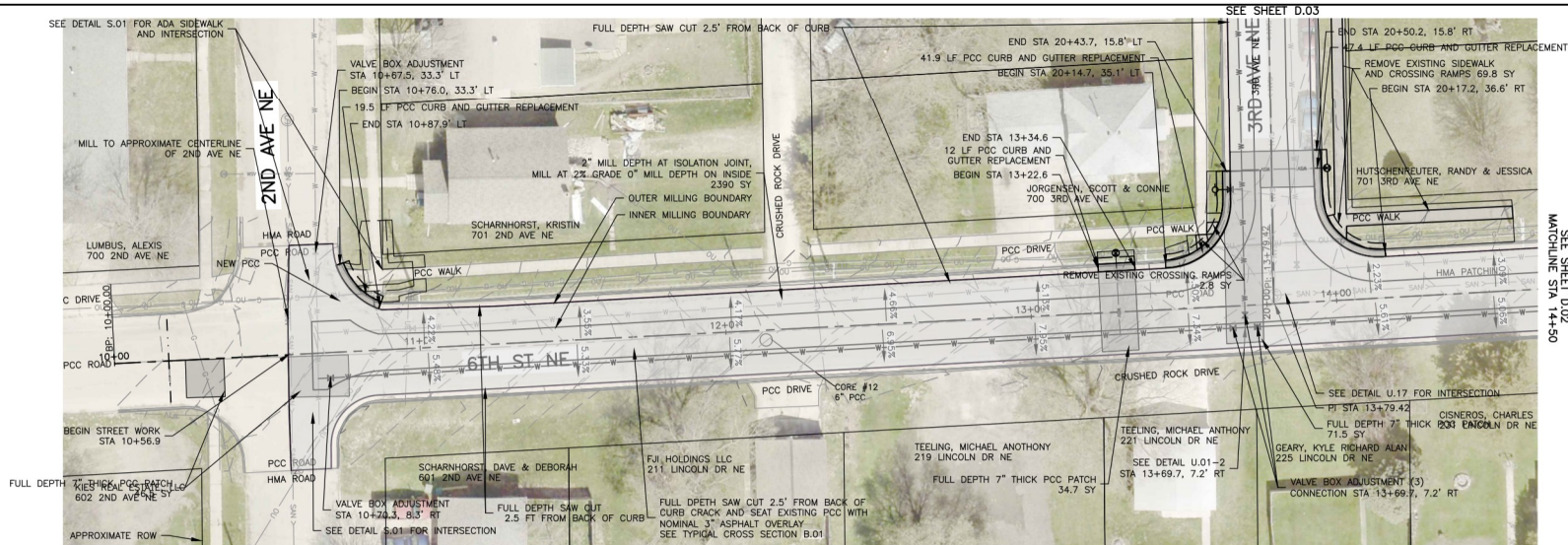
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

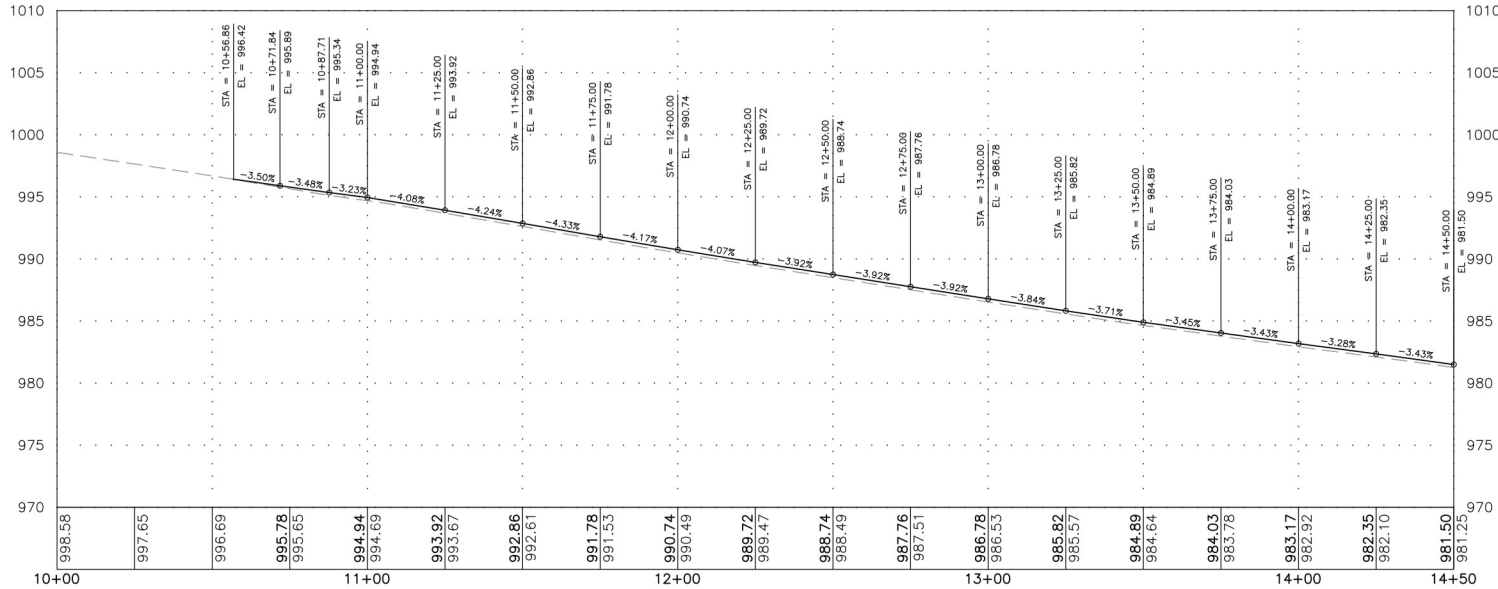
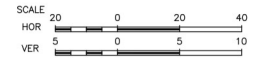
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
STORM WATER POLLUTION PREVENTION PLAN
SITE MAP
SET TYPE: PERMIT SET
6/3/2025 15:00:00 25-905 SWPPP.dwg, C.05

JOB NUMBER:
25-905
SHEET NUMBER:
C.05



SEE SHEET D.02
MATCHLINE STA 14+50



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OWNER/DEVELOPER:
CITY OF OELWEIN
20 2ND AVENUE SW
OELWEIN, IA 50662

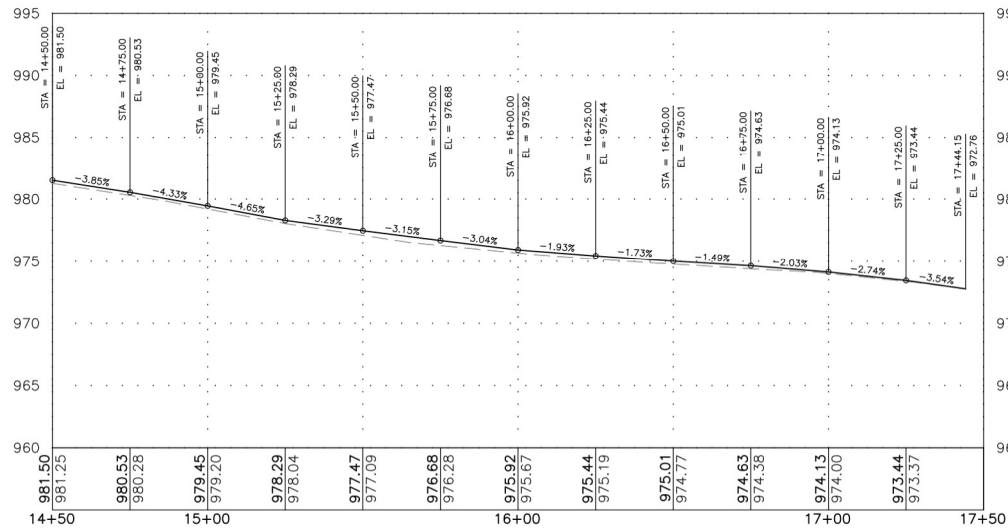
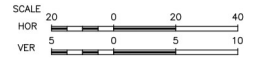
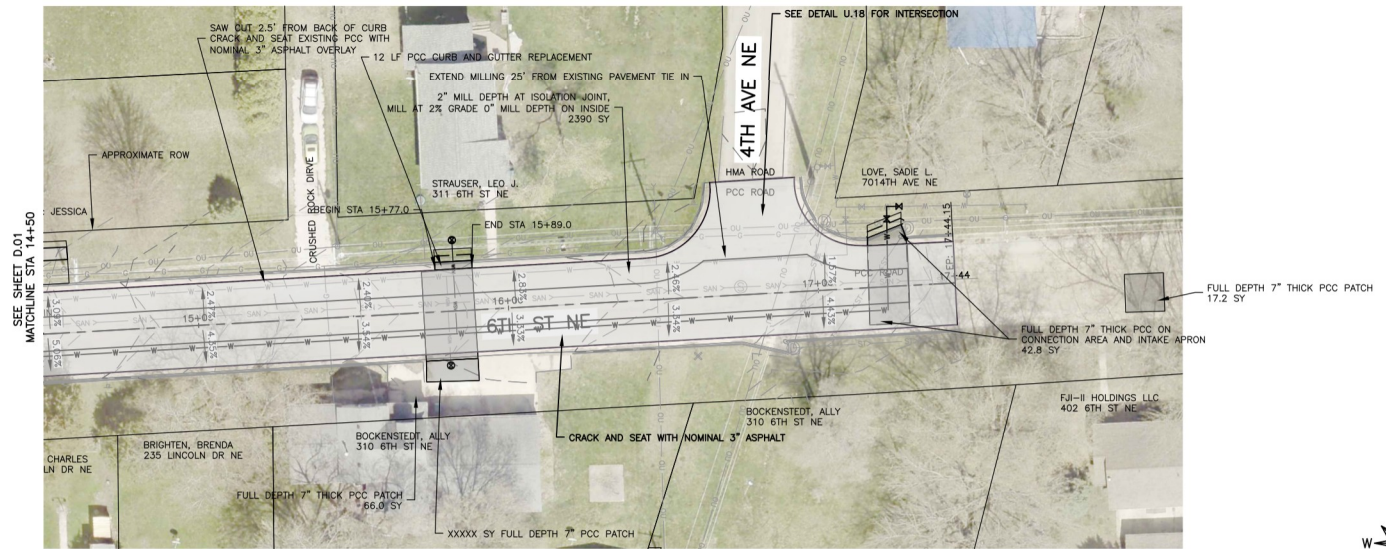
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE 6TH ST & 3RD AVE -
DIVISION 1
SET TYPE: PERMIT SET
SCALE: 1"=20'-0" (PLAN) 1"=10'-0" (PROFILE)

JOB NUMBER:
25-905
SHEET NUMBER:
D.01



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20 2ND AVENUE SW
OELWEIN, IA 50662

PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

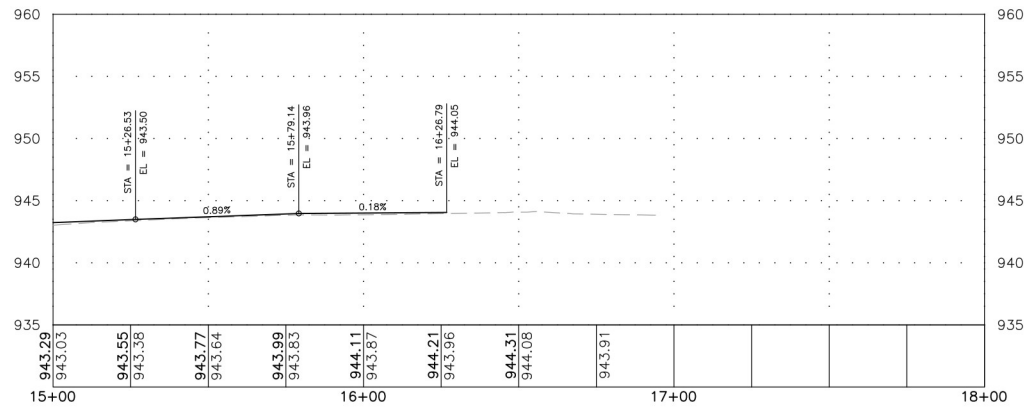
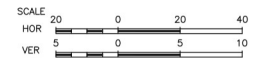
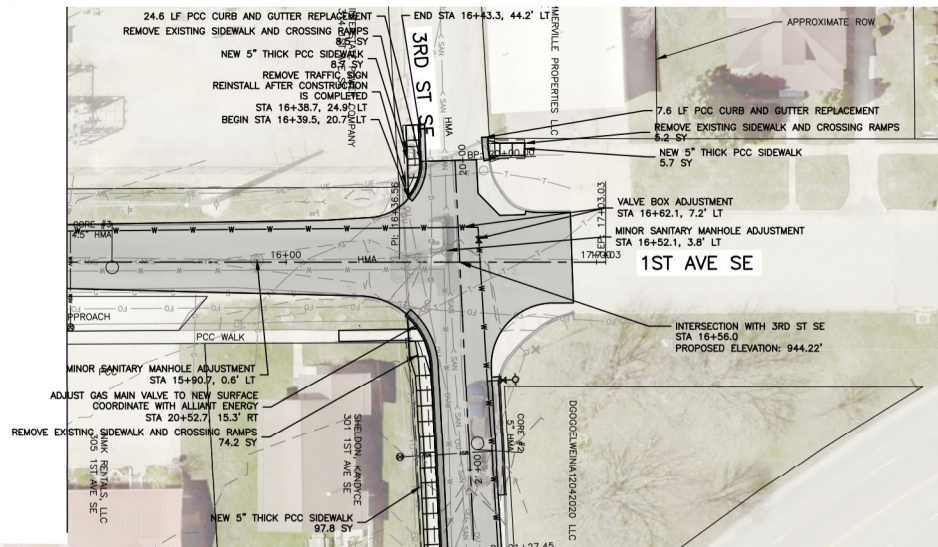
DRAWING:
PLAN AND PROFILE 6TH ST & 3RD AVE -
DIVISION 1

SET TYPE: PERMIT SET

6/26/2025 10:05:05 DESIGN FOR 3RD AVE NE, IOWA, 0.01

JOB NUMBER:
25-905

SHEET NUMBER:
D.02



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OELWEIN, IA 50662

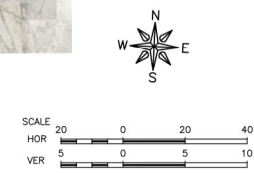
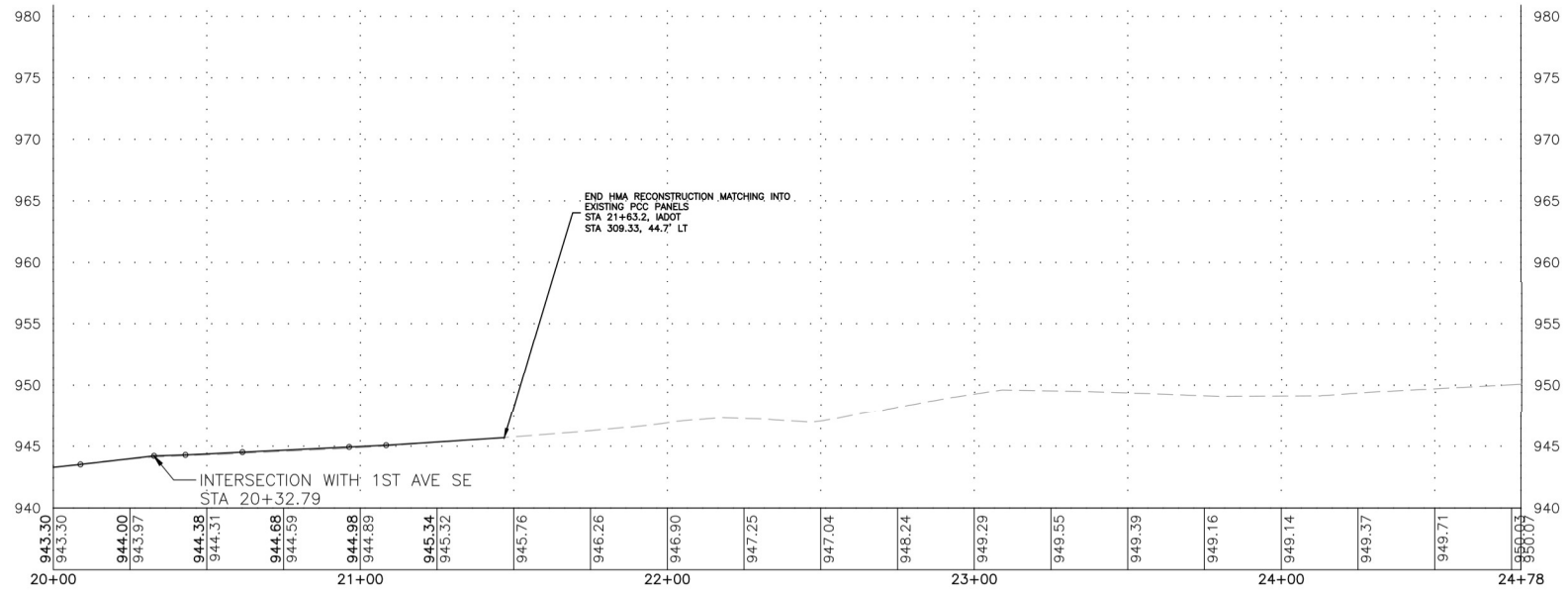
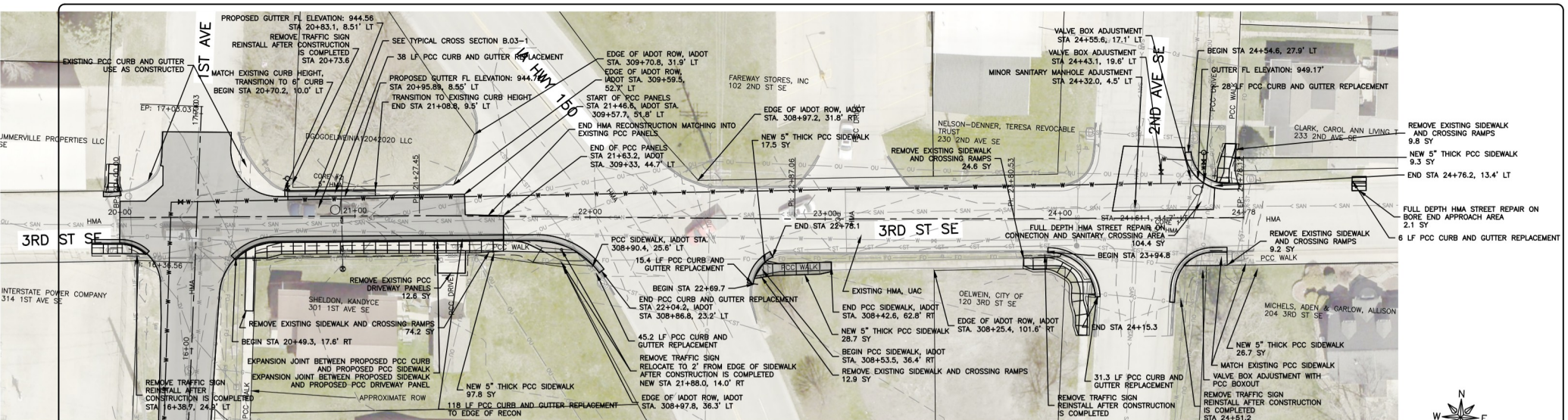
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE 3RD ST & 1ST AVE -
DIVISION 2
SET TYPE: PERMIT SET
S:\CITY\2025-2026\2025-2026 DESIGN Set 10 SE and 1st Ave SE.dwg, 8.05

JOB NUMBER:
25-905
SHEET NUMBER:
D.05



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OELWEIN, IA 50662

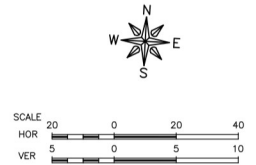
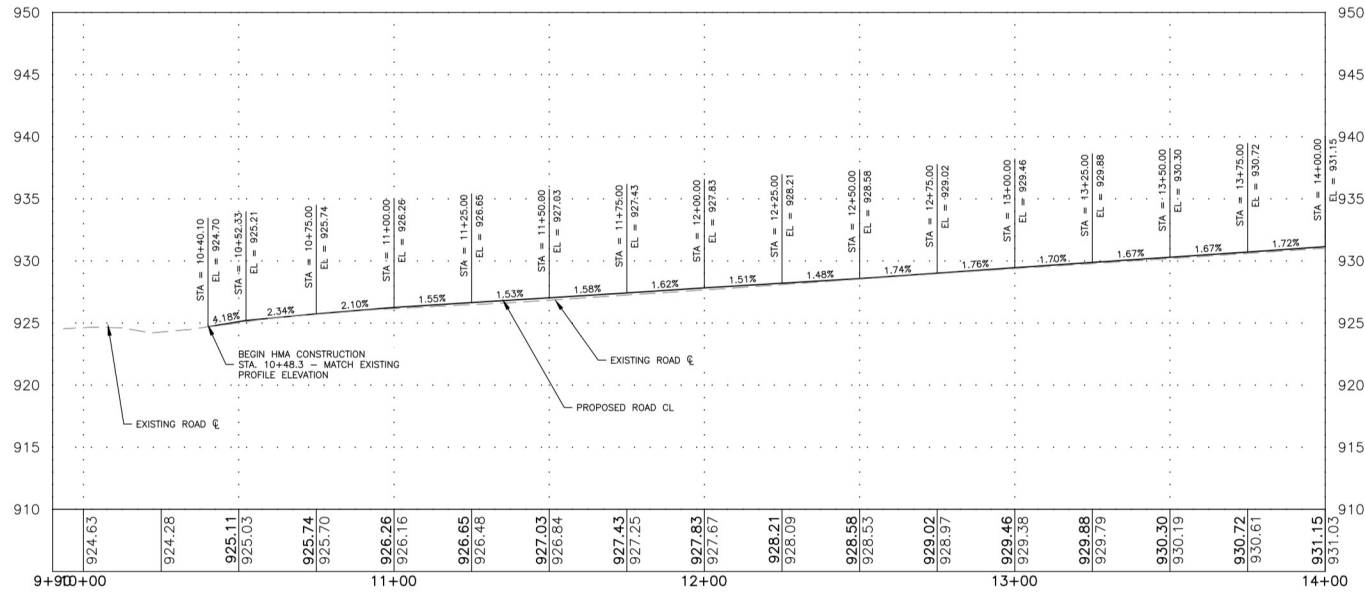
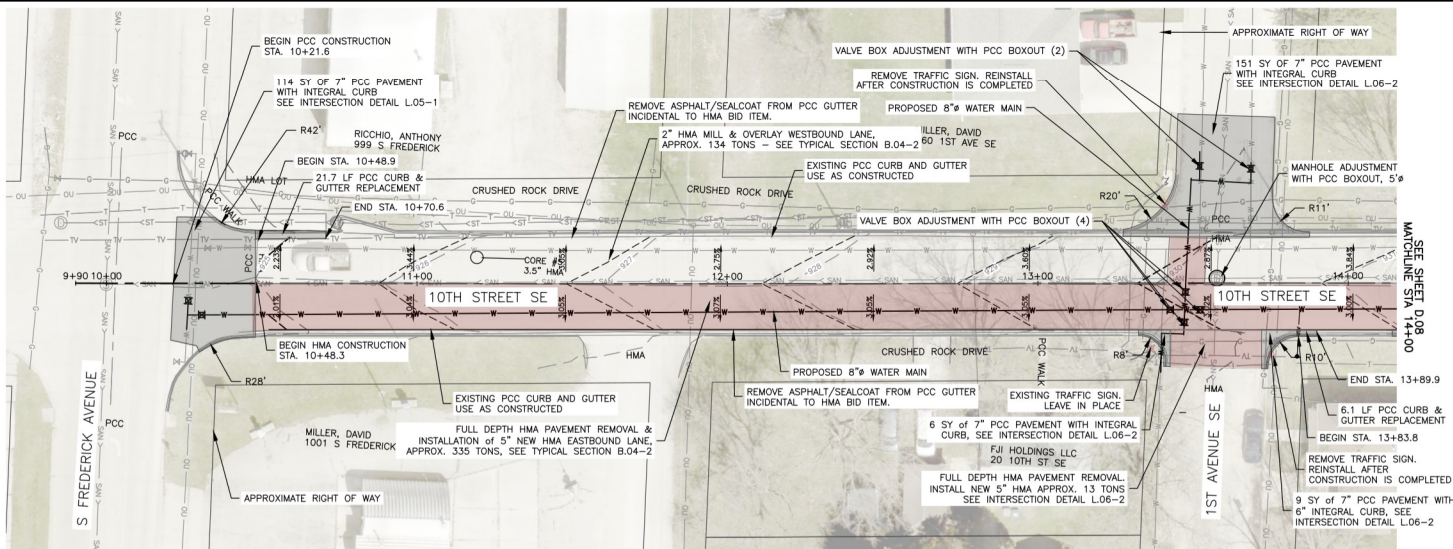
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE 3RD ST & 1ST AVE -
DIVISION 2
SET TYPE: PERMIT SET
6/13/2015-10-10/25-10/25 DESIGN 04 10 10 and 1st Ave 10/25, 0/06

JOB NUMBER:
25-905
SHEET NUMBER:
D.06



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20 2ND AVENUE SW
OELWEIN, IA 50662

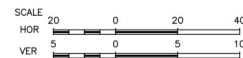
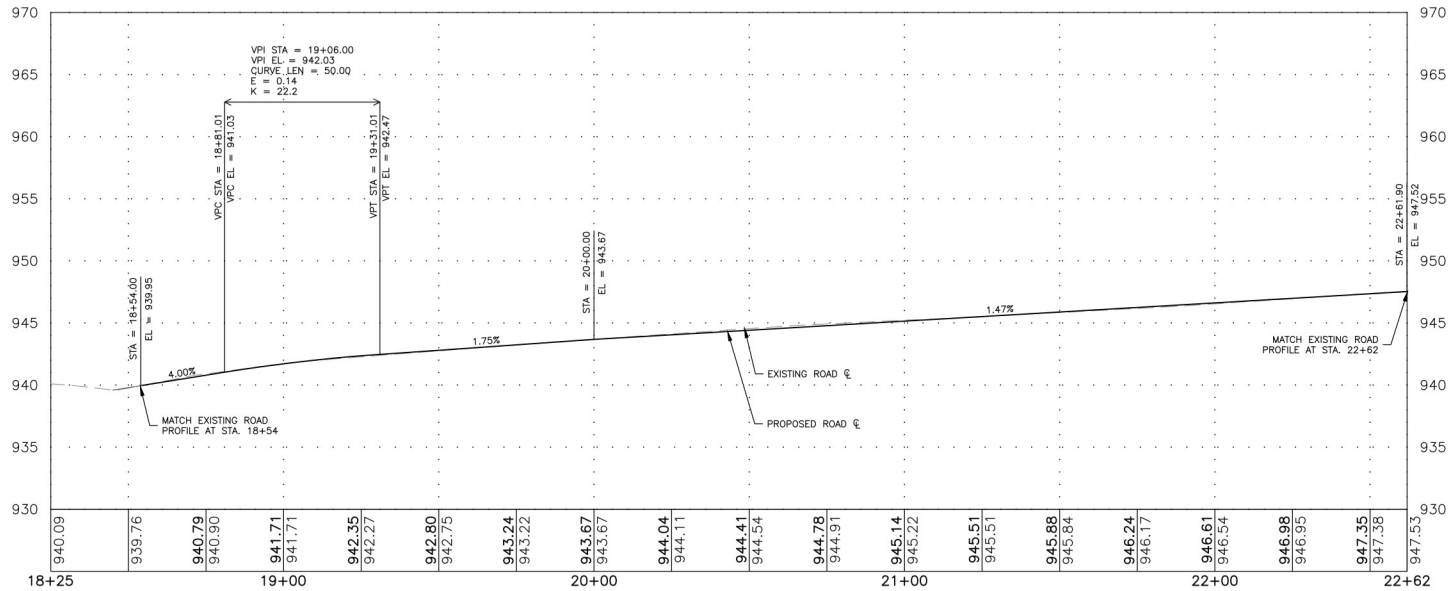
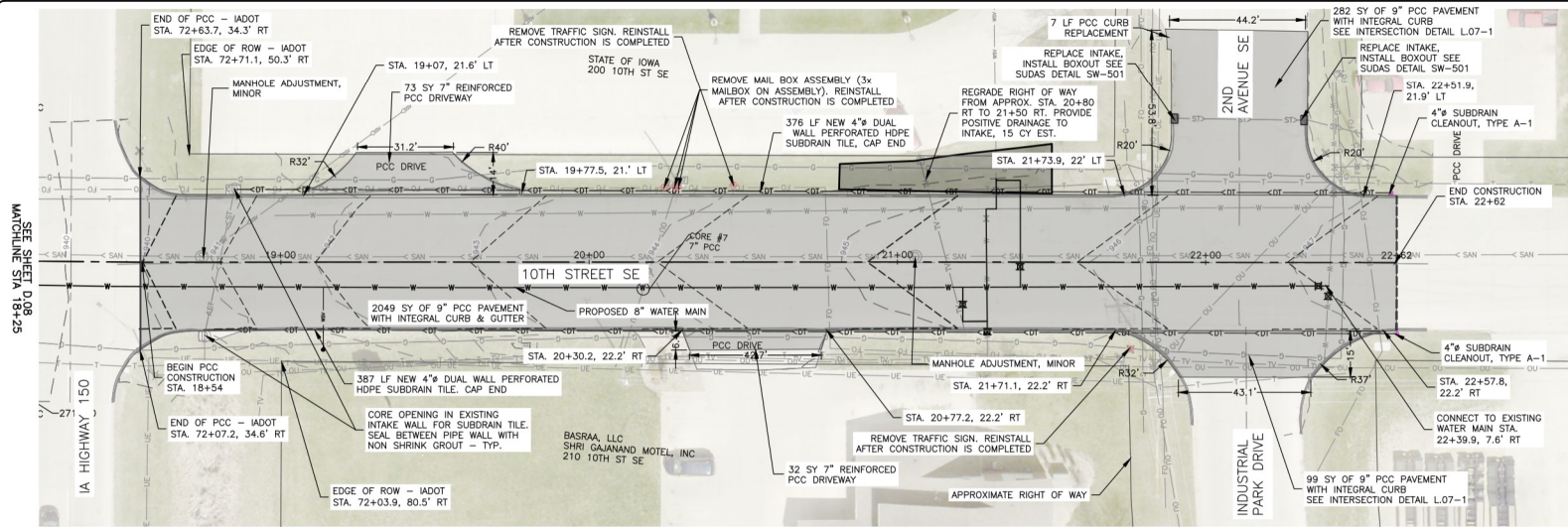
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE - 10TH ST - DIVISION
3
SET TYPE: PERMIT SET
6/16/2025 10:25:00 AM 10/10/25 8:10 AM 0.07

JOB NUMBER:
25-905
SHEET NUMBER:
D.07



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OELWEIN, IA 50662

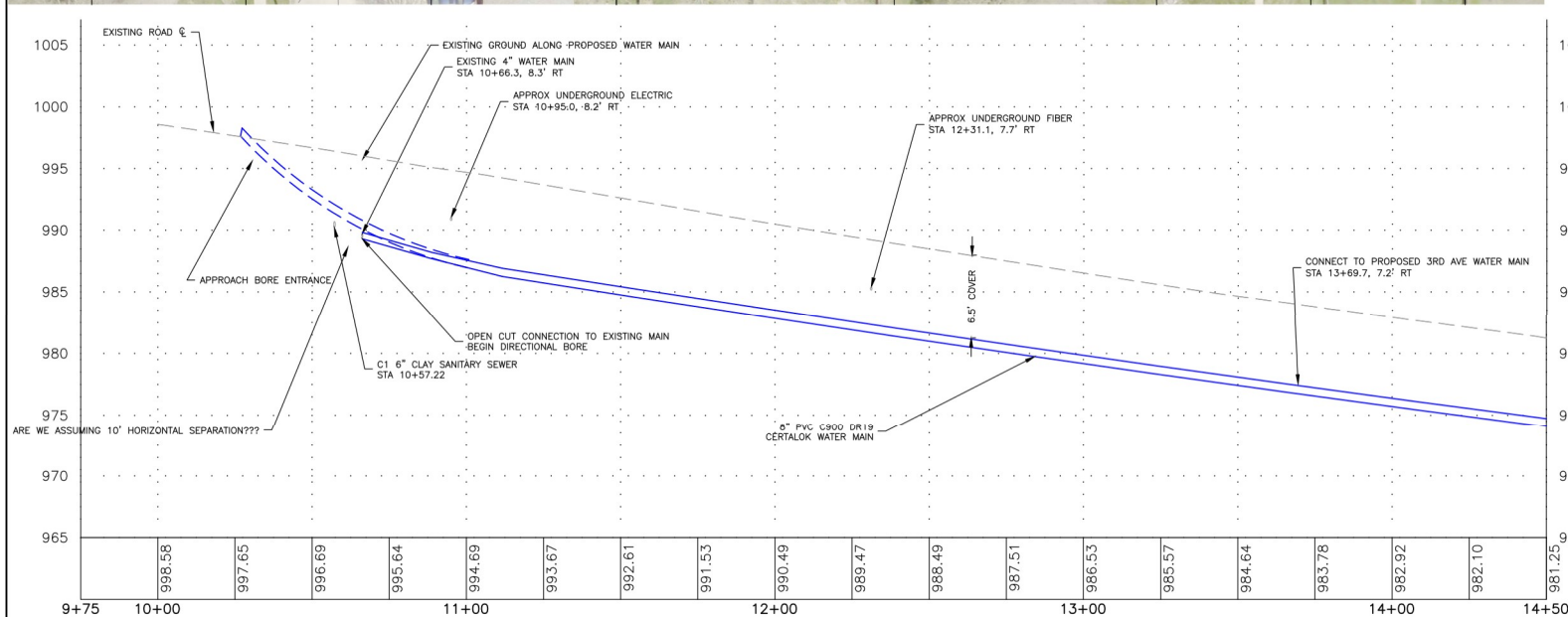
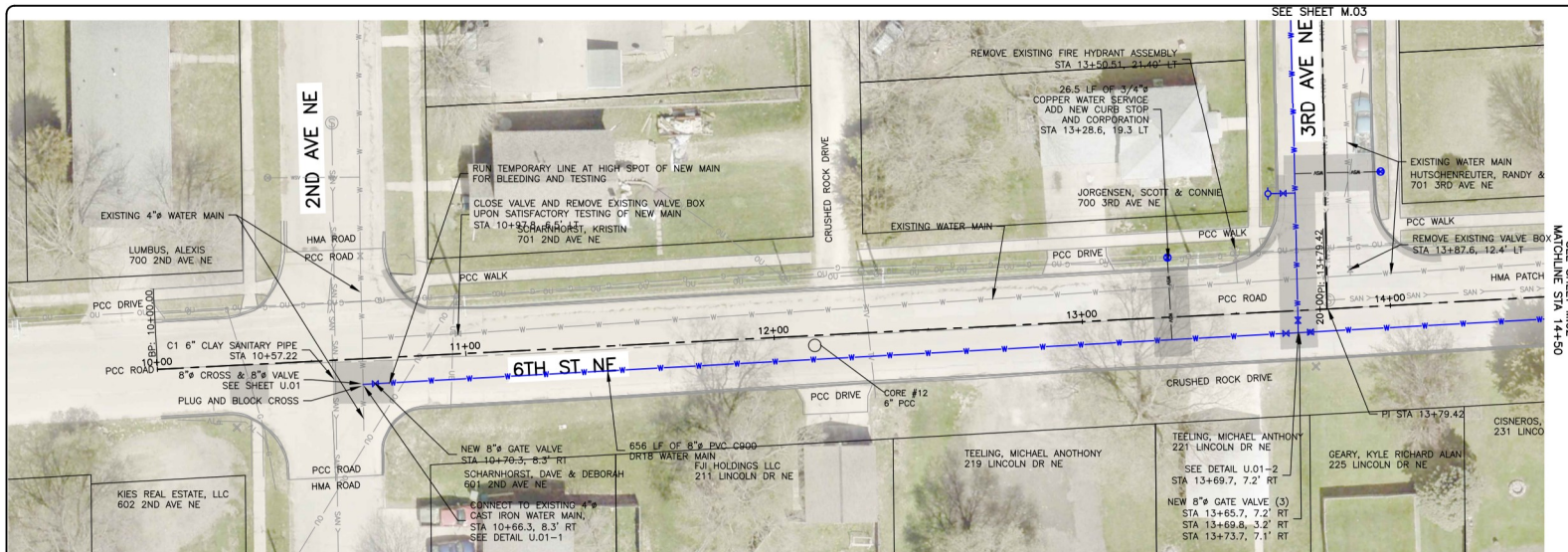
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

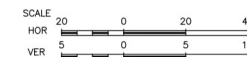
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE - 10TH ST - DIVISION
3
SET TYPE: PERMIT SET
C:\CITY\2025-2026\2025-2026 DESIGN\10th St SE & SW.dwg, 0.00

JOB NUMBER:
25-905
SHEET NUMBER:
D.09



- NOTES:
- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
 - FIELD VERIFY UTILITY CROSSING LOCATIONS.
 - MAINTAIN MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
 - FIELD VERIFY EXISTING WATER MAIN LOCATIONS.
 - FIELD VERIFY EXISTING WATER SERVICE SIZE.
 - CAP ENDS OF ALL WATER MAINS TO BE ABANDONED.
 - A TRACER SYSTEM WILL BE REQUIRED FOR ALL WATER LINES INSTALLED.
 - DIP SHALL BE POLY-WRAPPED.
 - USE LOW PERMEABILITY SOILS WITHIN 10' OF ALL SANITARY AND STORM SEWER CROSSINGS.



UTILITY CROSSING TABLE

CROSSING	UPPER PIPE	ELEVATION	LOWER PIPE	ELEVATION
C1	8" PVC WATER MAIN	-	6" VCP SANITARY	990.13'
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

ESTIMATED LOCATION, FIELD VERIFY FOR ACCURACY

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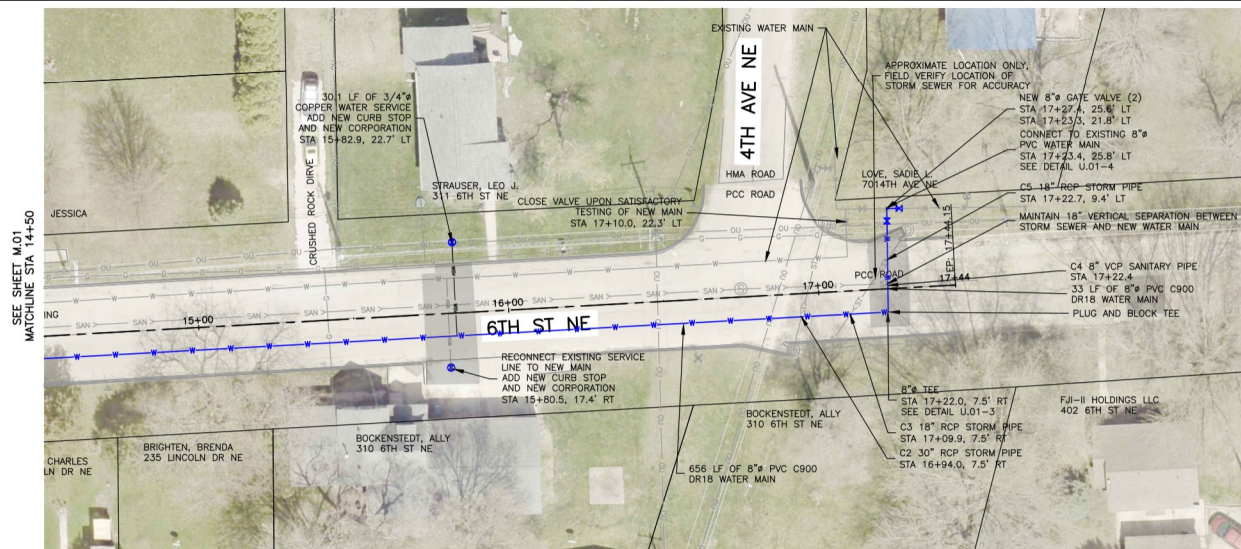
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

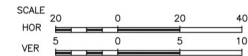
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE WATER MAIN 6TH ST &
3RD AVE - DIVISION 1
SET TYPE: PERMIT SET
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JOB NUMBER:
25-905
SHEET NUMBER:
M.01



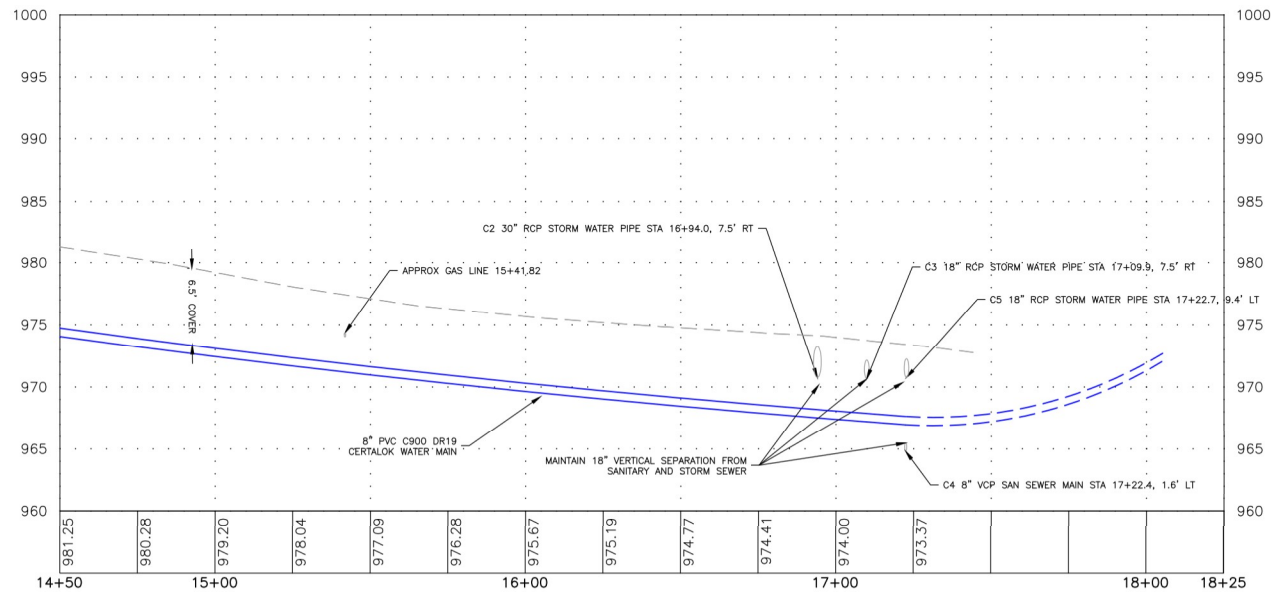
- NOTES:
- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
 - FIELD VERIFY UTILITY CROSSING LOCATIONS.
 - MAINTAIN MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
 - FIELD VERIFY EXISTING WATER MAIN LOCATIONS.
 - FIELD VERIFY EXISTING WATER SERVICE SIZE.
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 - USE LOW PERMEABILITY SOILS WITHIN 10' OF ALL SANITARY AND STORM SEWER CROSSINGS.



ESTIMATED LOCATION, FIELD VERIFY FOR ACCURACY

UTILITY CROSSING TABLE

CROSSING	UPPER PIPE	ELEVATION	LOWER PIPE	ELEVATION
C2	30" RCP STORM	970.51'	8" PVC WATER MAIN	968.18'
C3	18" RCP STORM	970.66'	8" PVC WATER MAIN	967.87'
C4	8" PVC WATER MAIN	966.97'	8" VCP SANITARY	965.5'
C5	18" RCP STORM	970.76'	8" PVC WATER MAIN	967.63'



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OELWEIN, IA 50662

PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

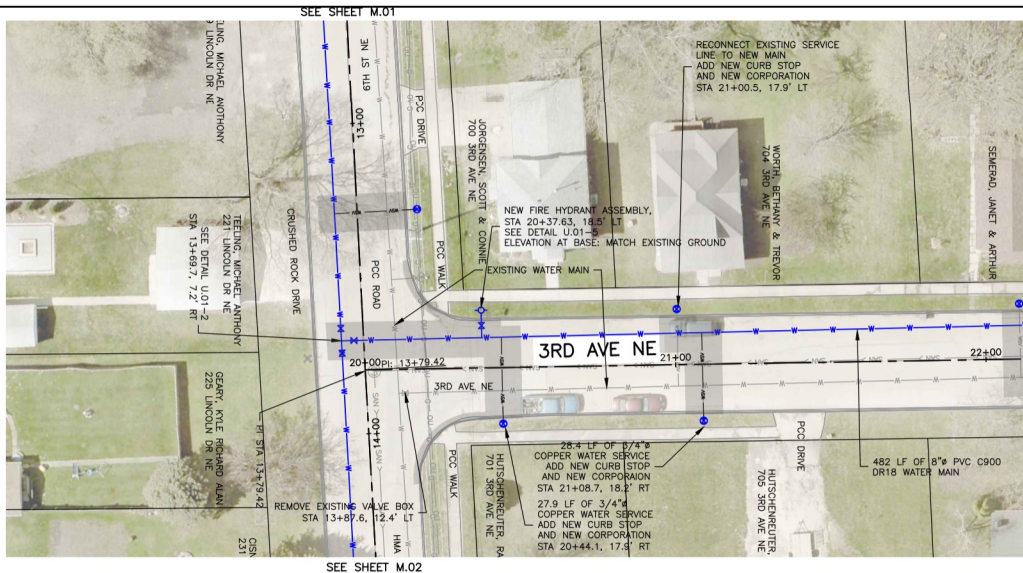
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APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

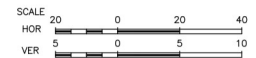
DRAWING:
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3RD AVE - DIVISION 1
SET TYPE: PERMIT SET
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JOB NUMBER:
25-905

SHEET NUMBER:
M.02

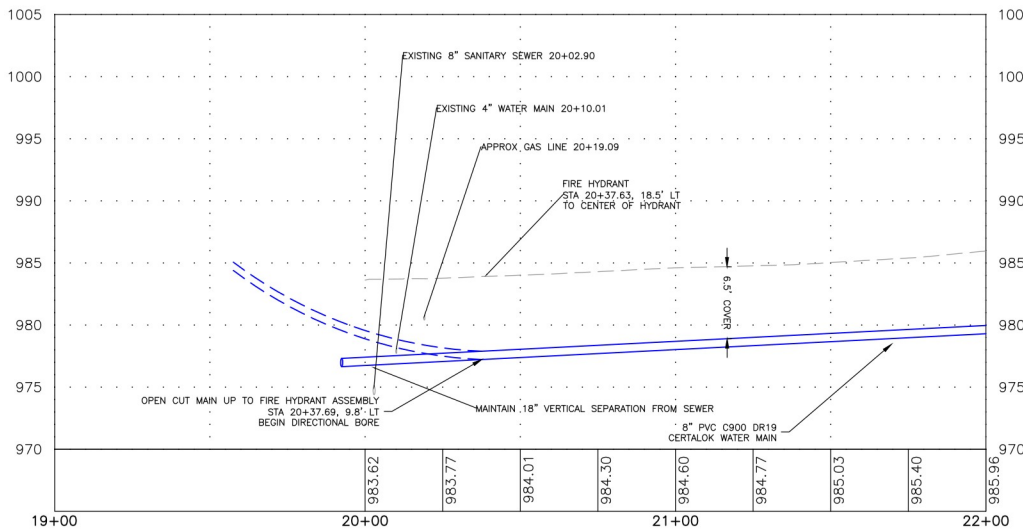


- NOTES:
- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
 - FIELD VERIFY UTILITY CROSSING LOCATIONS.
 - MAINTAIN MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
 - FIELD VERIFY EXISTING WATER MAIN LOCATIONS.
 - FIELD VERIFY EXISTING WATER SERVICE SIZE.
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 - A TRACER SYSTEM WILL BE REQUIRED FOR ALL WATER LINES INSTALLED.
 - DIP SHALL BE POLY-WRAPPED.
 - USE LOW PERMEABILITY SOILS WITHIN 10' OF ALL SANITARY AND STORM SEWER CROSSINGS.



UTILITY CROSSING TABLE

CROSSING	INVERT OF UPPER PIPE	ELEVATION	CROWN OF LOWER PIPE	ELEVATION
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-



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OELWEIN, IA 50662

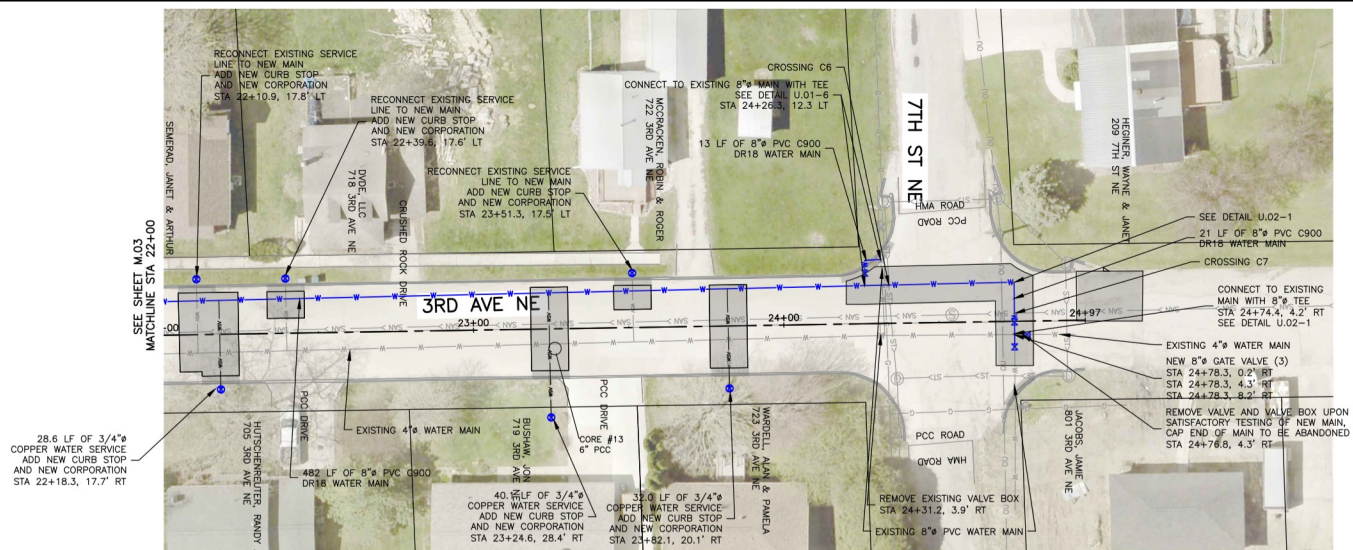
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

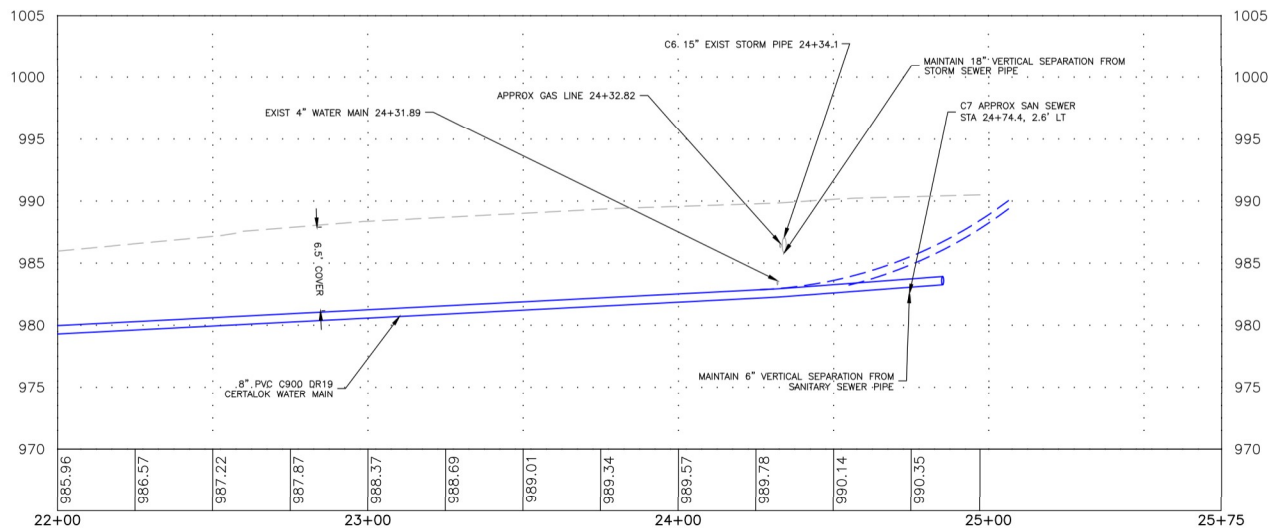
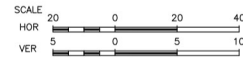
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE WATER MAIN 6TH ST &
3RD AVE - DIVISION 1
SET TYPE: PERMIT SET
6/13/2025 10:25:00 AM DESIGNED BY: JRA

JOB NUMBER:
25-905
SHEET NUMBER:
M.03



- NOTES:
- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
 - FIELD VERIFY UTILITY CROSSING LOCATIONS.
 - MAINTAIN MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
 - FIELD VERIFY EXISTING WATER MAIN LOCATIONS.
 - FIELD VERIFY EXISTING WATER SERVICE SIZE.
 - CAP ENDS OF ALL WATER MAINS TO BE ABANDONED.
 - A TRACER SYSTEM WILL BE REQUIRED FOR ALL WATER LINES INSTALLED.
 - DIP SHALL BE POLY-WRAPPED.
 - USE LOW PERMEABILITY SOILS WITHIN 10' OF ALL SANITARY AND STORM SEWER CROSSINGS.



UTILITY CROSSING TABLE

CROSSING	INVERT OF UPPER PIPE	ELEVATION	CROWN OF LOWER PIPE	ELEVATION
C6	15" PCP STORM	986.0'	8" PVC WATER MAIN	982.97'
C7	8" PVC WATER MAIN	983.06'	8" VCP SANITARY	982.45'
-	-	-	-	-

ESTIMATED LOCATION, FIELD VERIFY FOR ACCURACY

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OELWEIN, IA 50662

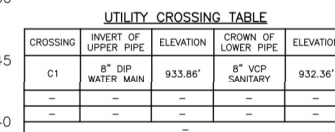
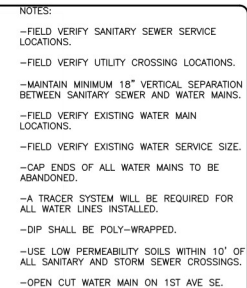
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

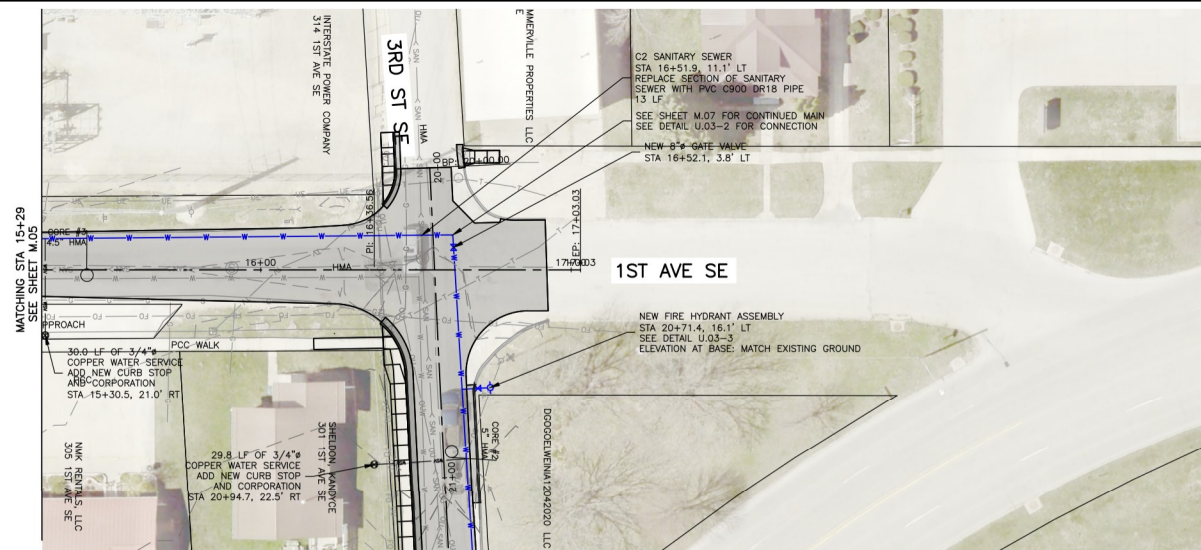
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE WATER MAIN 6TH ST &
3RD AVE - DIVISION 1
SET TYPE: PERMIT SET
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JOB NUMBER:
25-905
SHEET NUMBER:
M.04



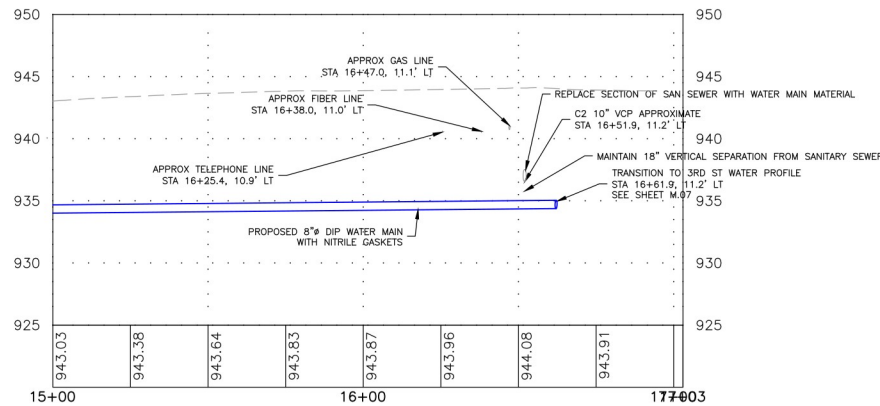
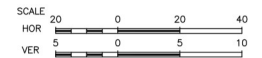
SHEET NUMBER:
M.05



SEE SHEET M.07

NOTES:

- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
- FIELD VERIFY UTILITY CROSSING LOCATIONS.
- MAINTAIN MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
- FIELD VERIFY EXISTING WATER MAIN LOCATIONS.
- FIELD VERIFY EXISTING WATER SERVICE SIZE.
- CAP ENDS OF ALL WATER MAINS TO BE ABANDONED.
- A TRACER SYSTEM WILL BE REQUIRED FOR ALL WATER LINES INSTALLED.
- DIP SHALL BE POLY-WRAPPED.
- USE LOW PERMEABILITY SOILS WITHIN 10' OF ALL SANITARY AND STORM SEWER CROSSINGS.
- OPEN CUT WATER MAIN ON 1ST AVE SE.



UTILITY CROSSING TABLE

CROSSING	INVERT OF UPPER PIPE	ELEVATION	CROWN OF LOWER PIPE	ELEVATION
C2	10" VCP SANITARY	936.40'	8" DIP WATER MAIN	935.02'

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OELWEIN, IA 50662

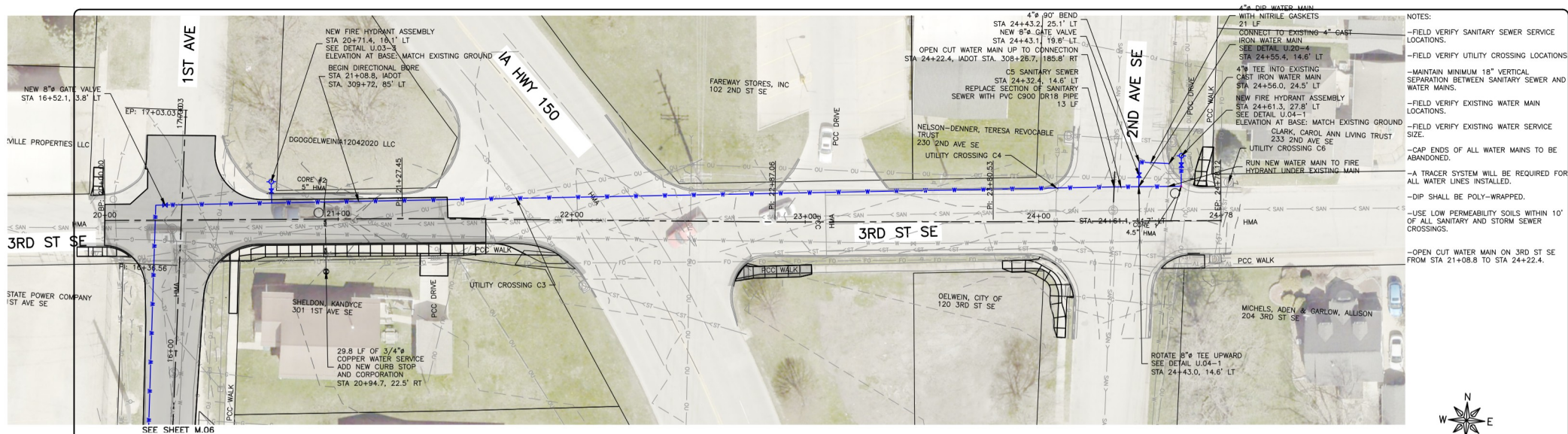
PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

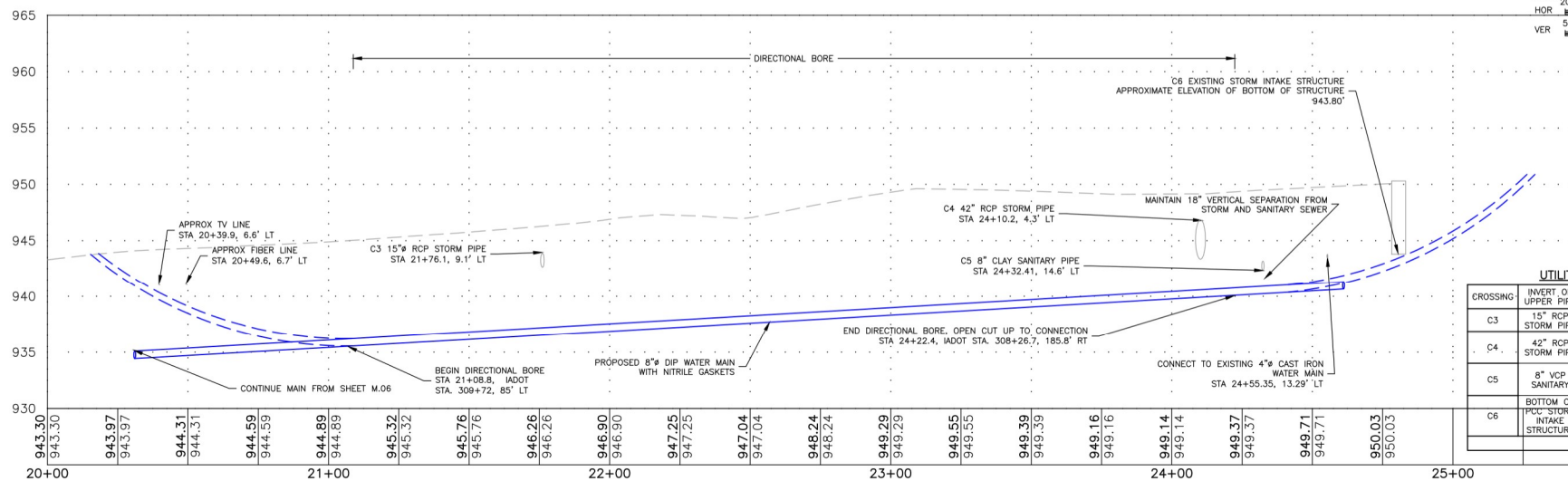
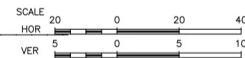
REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE WATER MAIN 3RD ST &
1ST AVE - DIVISION 2
SET TYPE: PERMIT SET
6/23/2025 10:25:00 AM DESIGNED BY: JRA AND TAD AVE 10:25 AM 8/26/2025

JOB NUMBER:
25-905
SHEET NUMBER:
M.06



- NOTES:
- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
 - FIELD VERIFY UTILITY CROSSING LOCATIONS.
 - MAINTAIN MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
 - FIELD VERIFY EXISTING WATER MAIN LOCATIONS.
 - FIELD VERIFY EXISTING WATER SERVICE SIZE.
 - CAP ENDS OF ALL WATER MAINS TO BE ABANDONED.
 - A TRACER SYSTEM WILL BE REQUIRED FOR ALL WATER LINES INSTALLED.
 - USE LOW PERMEABILITY SOILS WITHIN 10' OF ALL SANITARY AND STORM SEWER CROSSINGS.
 - OPEN CUT WATER MAIN ON 3RD ST SE FROM STA 21+08.8 TO STA 24+22.4.



UTILITY CROSSING TABLE

CROSSING	INVERT OF UPPER PIPE	ELEVATION	CROWN OF LOWER PIPE	ELEVATION
C3	15" RCP STORM PIPE	942.64'	8" DIP WATER MAIN	937.20'
C4	42" RCP STORM PIPE	943.35'	8" DIP WATER MAIN	940.58'
C5	8" VCP SANITARY	942.35'	8" DIP WATER MAIN	940.90'
C6	BOTTOM OF PCC STORM INTAKE STRUCTURE	943.80'	8" WATER MAIN BORE PATH	-

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20 2ND AVENUE SW
OELWEIN, IA 50662

PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

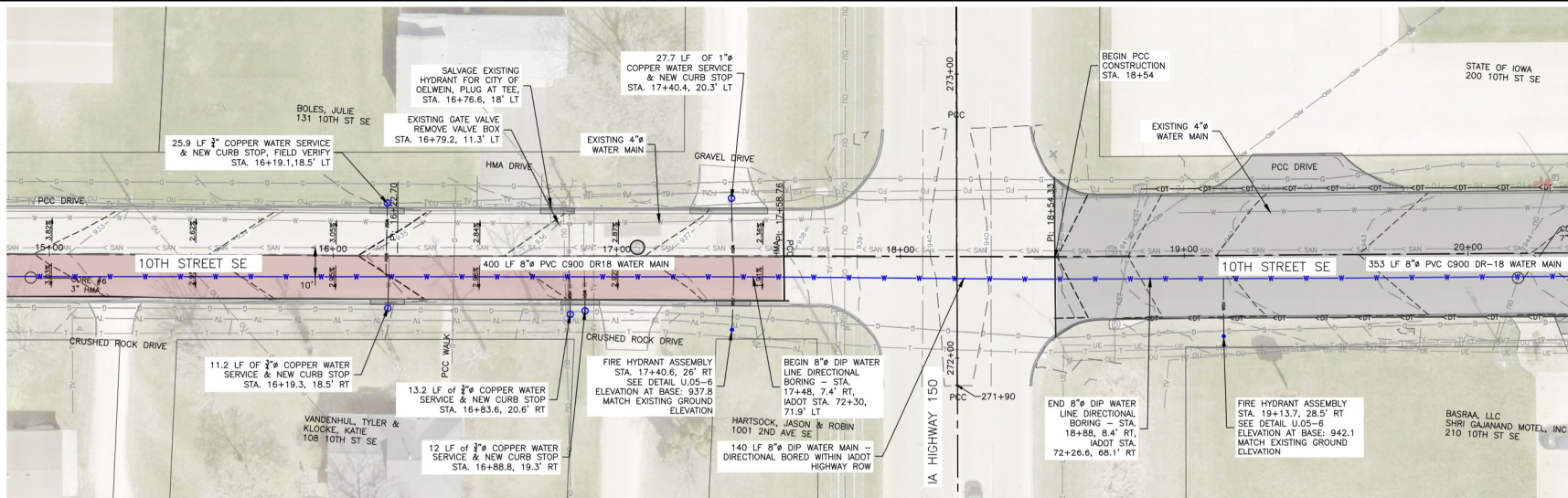
DRAWING:
PLAN AND PROFILE WATER MAIN 3RD ST &
1ST AVE - DIVISION 2

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JOB NUMBER:
25-905

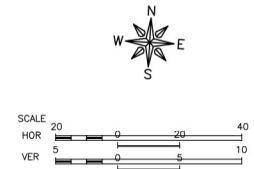
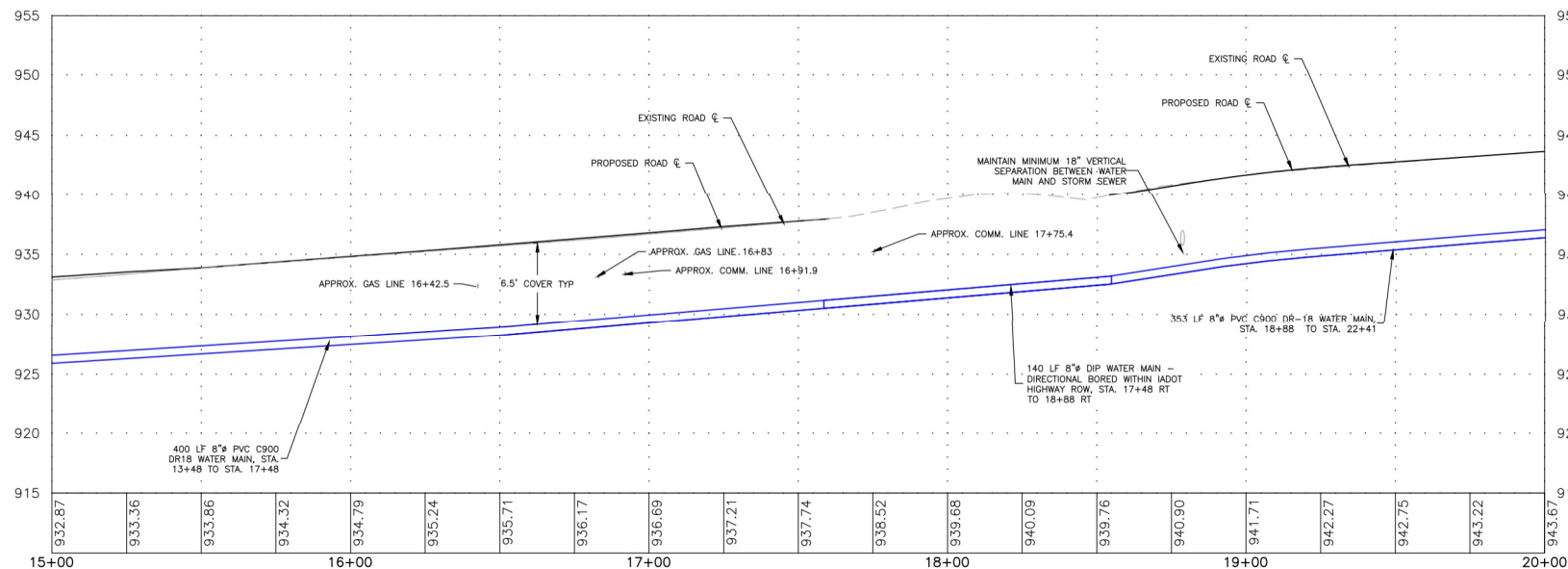
SHEET NUMBER:
M.07

SEE SHEET M.07
MATCHLINE STA 15+00



- NOTES:
- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
 - MAINTAIN MINIMUM 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.
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 - USE LOW PERMEABILITY SOILS WITHIN 10' OF ALL SANITARY AND STORM SEWER CROSSINGS.

SEE SHEET M.09
MATCHLINE STA 20+00



UTILITY CROSSING TABLE				
CROSSING	INVERT OF UPPER PIPE	ELEVATION	CROWN OF LOWER PIPE	ELEVATION
C.O.2	15" RCP7 SANITARY SEWER	935.75-	8" DIP WATER MAIN	934.14
-	-	-	-	-
-	-	-	-	-

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OELWEIN, IA 50662

PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

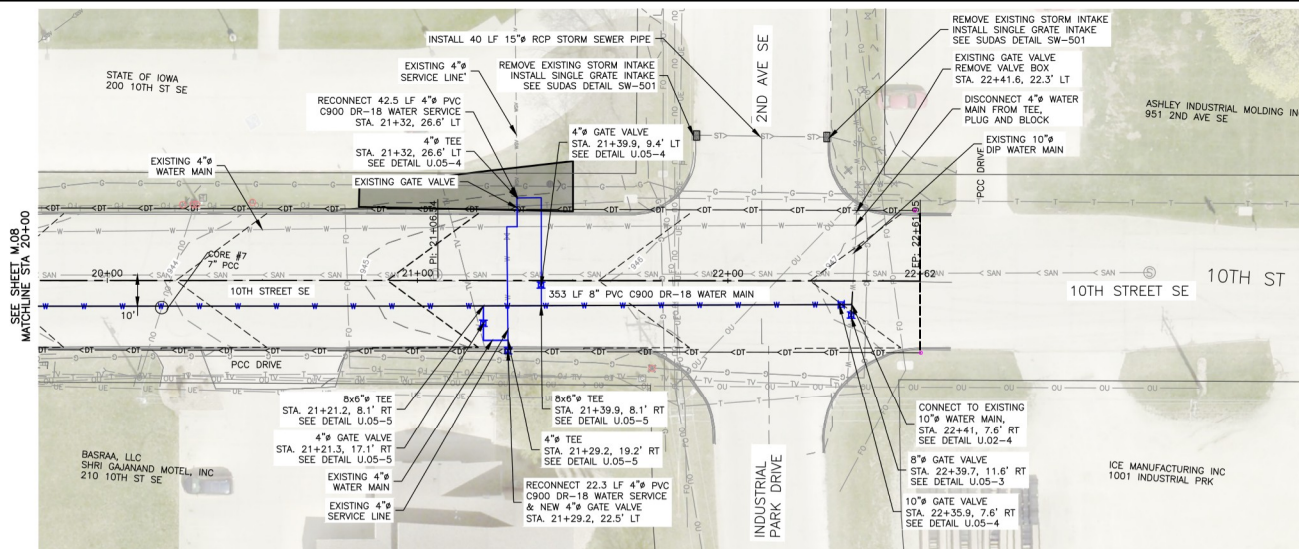
DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

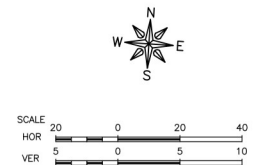
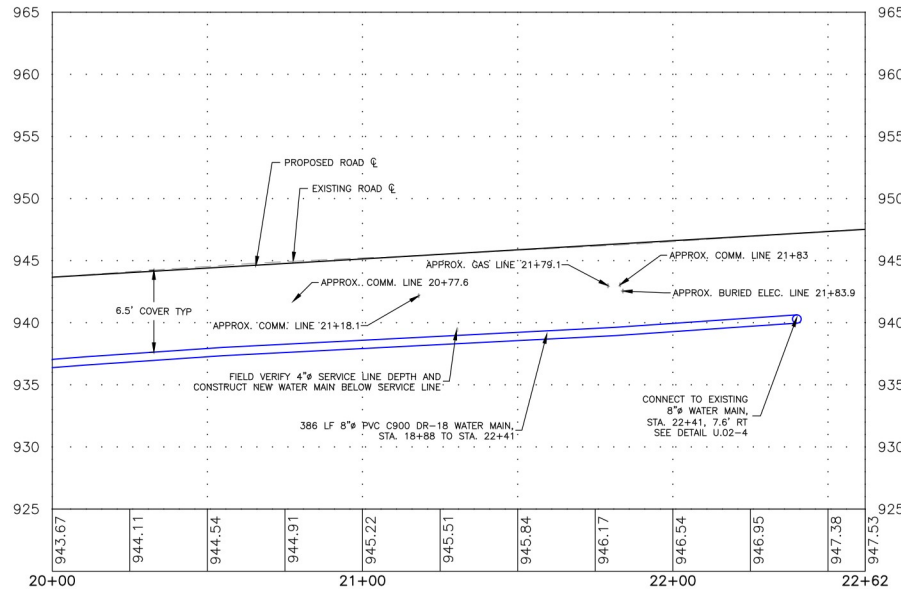
DRAWING:
PLAN AND PROFILE WATER MAIN 10TH ST
- DIVISION 3
SET TYPE: PERMIT SET
S:\CIP\25-905\25-905 DESIGN 10th St SE & SW.dwg, M.09

JOB NUMBER:
25-905

SHEET NUMBER:
M.09



- NOTES:
- FIELD VERIFY SANITARY SEWER SERVICE LOCATIONS.
 - MAINTAIN MINIMUM 18\"/>



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OELWEIN, IA 50662

PROJECT AND LOCATION:
2026 WATER SYSTEM
IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JRA
APPROVED BY: JSB
DATE: 08/26/2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
PLAN AND PROFILE WATER MAIN 10TH ST
- DIVISION 3

SET TYPE: PERMIT SET
S:\CADD\2025-005\25-005 DESIGN 10th ST SE & SW.dwg, 8/19

JOB NUMBER:
25-905

SHEET NUMBER:
M.10