

VILLAGE OF MEDORA WATER MAIN REPLACEMENT

VILLAGE OF MEDORA MACOUPIN COUNTY, ILLINOIS

BOARD OFFICIALS

DEREK ISRINGHAUSEN – MAYOR

BOARD MEMBERS

EVELYN KESSINGER – TREASURER
 – CLERK
 RON BELLITTO – TRUSTEE
 EARL BAILEY – TRUSTEE
 RANDY DRAPER – TRUSTEE
 – TRUSTEE
 KIMBERLY STASSI – TRUSTEE
 RACHEL WOODS – TRUSTEE
 GREG BATES – OPERATOR

FACILITY NUMBER: IL 1170550
 IEPA PERMIT NUMBER: 1205-FY2023

DATE: May 2, 2024

INDEX OF SHEETS		INDEX OF SHEETS	
1	COVER	24	PLAN SHEET
2	LEGEND	25	PLAN SHEET
3	SAMPLE PLAN	26	PLAN SHEET
4	SAMPLE PLAN	27	PLAN SHEET
5	SAMPLE PLAN	28	PLAN SHEET
6	PLAN SHEET	29	PLAN SHEET
7	PLAN SHEET	30	PLAN SHEET
8	PLAN SHEET	31	PLAN SHEET
9	PLAN SHEET	32	PLAN SHEET
10	PLAN SHEET	33	PLAN SHEET
11	PLAN SHEET	34	PLAN SHEET
12	PLAN SHEET	35	PLAN SHEET
13	PLAN SHEET	36	PLAN SHEET
14	PLAN SHEET	37	PLAN SHEET
15	PLAN SHEET	38	PLAN SHEET
16	PLAN SHEET	39	PLAN SHEET
17	PLAN SHEET	40	PLAN SHEET
18	PLAN SHEET	41	PLAN SHEET
19	PLAN SHEET	42	PLAN SHEET
20	PLAN SHEET	43	PLAN SHEET
21	PLAN SHEET	44	WATER DETAIL
22	PLAN SHEET	45	WATER DETAIL
23	PLAN SHEET		

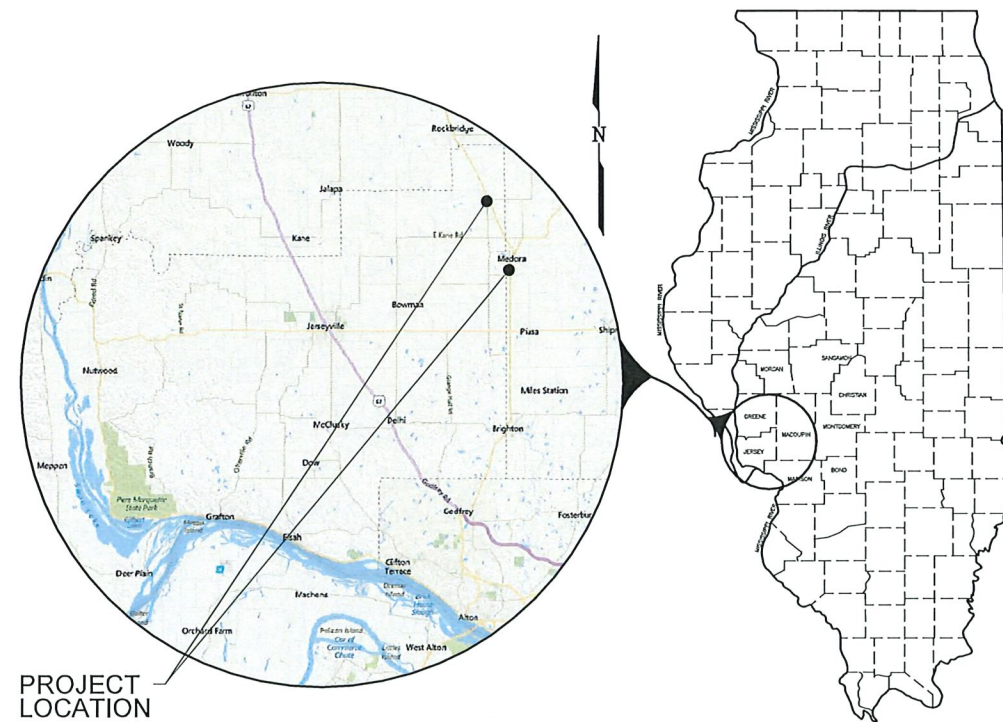


811 or 800-892-0123

Contractor to contact J.U.L.I.E. prior to any excavation or demolition for the location of any pipes, cables, lines, mains, etc. The contractor shall also coordinate any disconnection required with the various utility companies and/or governmental agencies serving the site.

Underground facilities, structures and utilities have been plotted from available surveys and records. Their locations must be considered to be approximate only. It is possible there may be others, the existence of which is not presently known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto.

DIG LOG# _____



PROJECT LOCATION



Seth W. Elliott
 SETH W. ELLIOTT
 REG. ILLINOIS P.E. #62788
 EXP. NOVEMBER 30, 2025



HENEGHAN AND ASSOCIATES, P.C.
ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBER 184-002692, EXPIRES APRIL 30, 2025

1004 STATE HWY. 16 JERSEYVILLE, ILLINOIS 62052 PHONE NO. (618) 498-6418 FAX NO. (618) 498-6410	800 BROADWAY STREET MI VERNON, ILLINOIS 62864 PHONE NO. (618) 498-6418 FAX NO. (618) 498-6410	310A VISION DRIVE COLUMBIA, ILLINOIS 62236 PHONE NO. (618) 281-8133 FAX NO. (618) 281-8290	1929 RICHARDSON ROAD ARNOLD, MISSOURI 63010 PHONE NO. (636) 464-3610 FAX NO. (636) 464-2059
---	--	---	--

NO.	DATE	REVISIONS

--	--	--	--	--

LEGEND

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
N/A

VERTICAL SCALE:
N/A




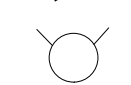


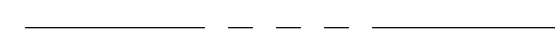
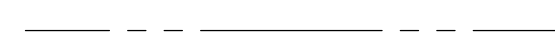





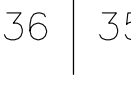

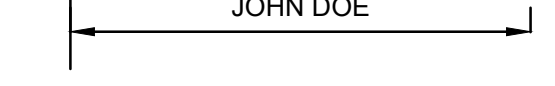

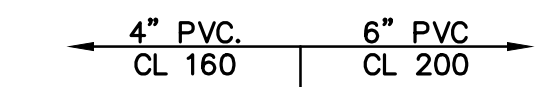

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
2

2 OF 45 SHEETS

LEGEND

	DENOTES TRACER WIRE ACCESS POINT
	DENOTES SAMPLING STATION
	DENOTES ADDITIONAL RESTRICTIONS IN EASEMENT
	DENOTES MECHANICAL JOINT REDUCER. SIZE INDICATED ON PLANS
	DENOTES PROPOSED LINE STOP
	DENOTES PROPOSED AIR RELEASE VALVE
	DENOTES EXISTING AIR RELEASE VALVE
	DENOTES EXISTING FLUSH/FIRE HYDRANT
	DENOTES EXISTING GATE VALVE
	DENOTES PROPOSED FLUSH/FIRE HYDRANT
	DENOTES PROPOSED GATE VALVE
	DENOTES PROPOSED FLUSH/FIRE HYDRANT & GATE VALVE
	DENOTES SECTION LINE
	DENOTES PROPERTY LINE
	DENOTES PROPOSED WATER LINE SIZE INDICATED ON PLANS.
	DENOTES EXISTING WATER LINE SIZE INDICATED ON PLANS.
	DENOTES EXISTING SANITARY SEWER MAIN
	DENOTES EXISTING SANITARY SERVICE LINE
	DENOTES EXISTING NATURAL GAS MAIN
	DENOTES CUSTOMER SERVICE CONNECTION SAMPLING LOCATION WITH SAMPLE NUMBER
	DENOTES WATER METER WITH PRESSURE REGULATOR WITH INDEX TO CUSTOMERS NAME AND CONTRACT NUMBER
	DENOTES WATER METER WITHOUT PRESSURE REGULATOR WITH INDEX TO CUSTOMERS NAME AND CONTRACT NUMBER
	DENOTES FLUSH HYDRANT SAMPLING LOCATION WITH CORRESPONDING SAMPLE NUMBER
	DENOTES CENTER OF SECTION
	DENOTES SECTION NUMBER
	DENOTES SECTION CORNER
	DENOTES LAND HOOK
	DENOTES OWNERSHIP OF PRIVATE PROPERTY
	DENOTES OWNERSHIP OF PRIVATE PROPERTY FROM WHOM EASEMENTS ARE SECURED. (ETAL=AND OTHERS) WITH EASEMENT NUMBER
	DENOTES CHANGE OF WATER LINE SIZE, CLASS, AND MATERIAL
	DENOTES TEMPORARY SEEDING AND MULCH THROUGH PROPERTY
	DENOTES PROPOSED CUT & CAP OF EXISTING WATER LINE
	DENOTES WELL
	DENOTES EXISTING TANK

NO.	DATE	REVISIONS

SHEET LAYOUT / SAMPLE PLAN
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
N.T.S.

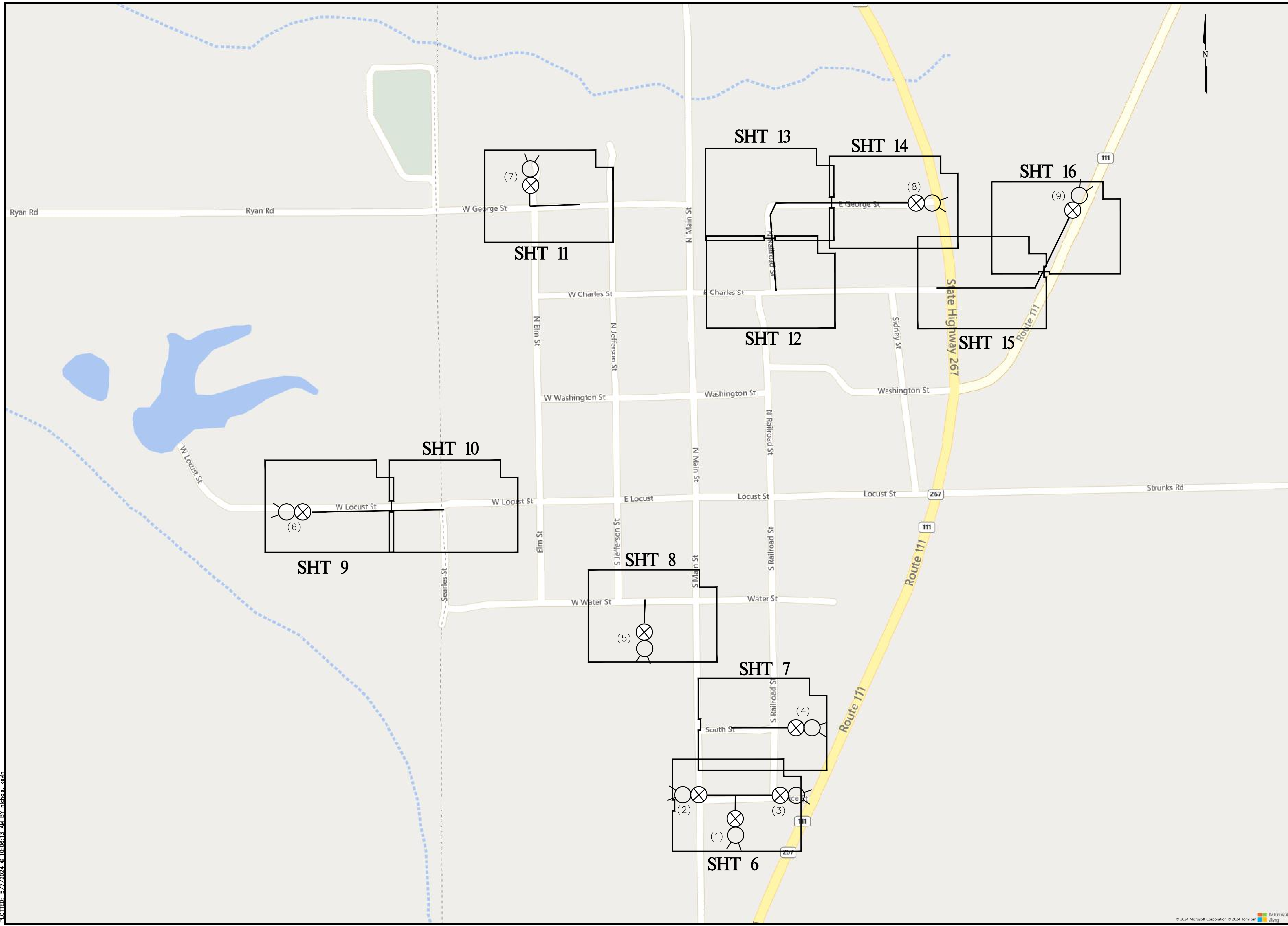
VERTICAL SCALE:
N.T.S.

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
3

3 OF 45 SHEETS



P:\Users\kdh\OneDrive\Projects\01349-404\Sample Plan.dwg
 PLOTTED: 5/7/2024 @ 10:08:13 AM BY: rchabals

- 1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410
- 800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652
- 310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290
- 1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059

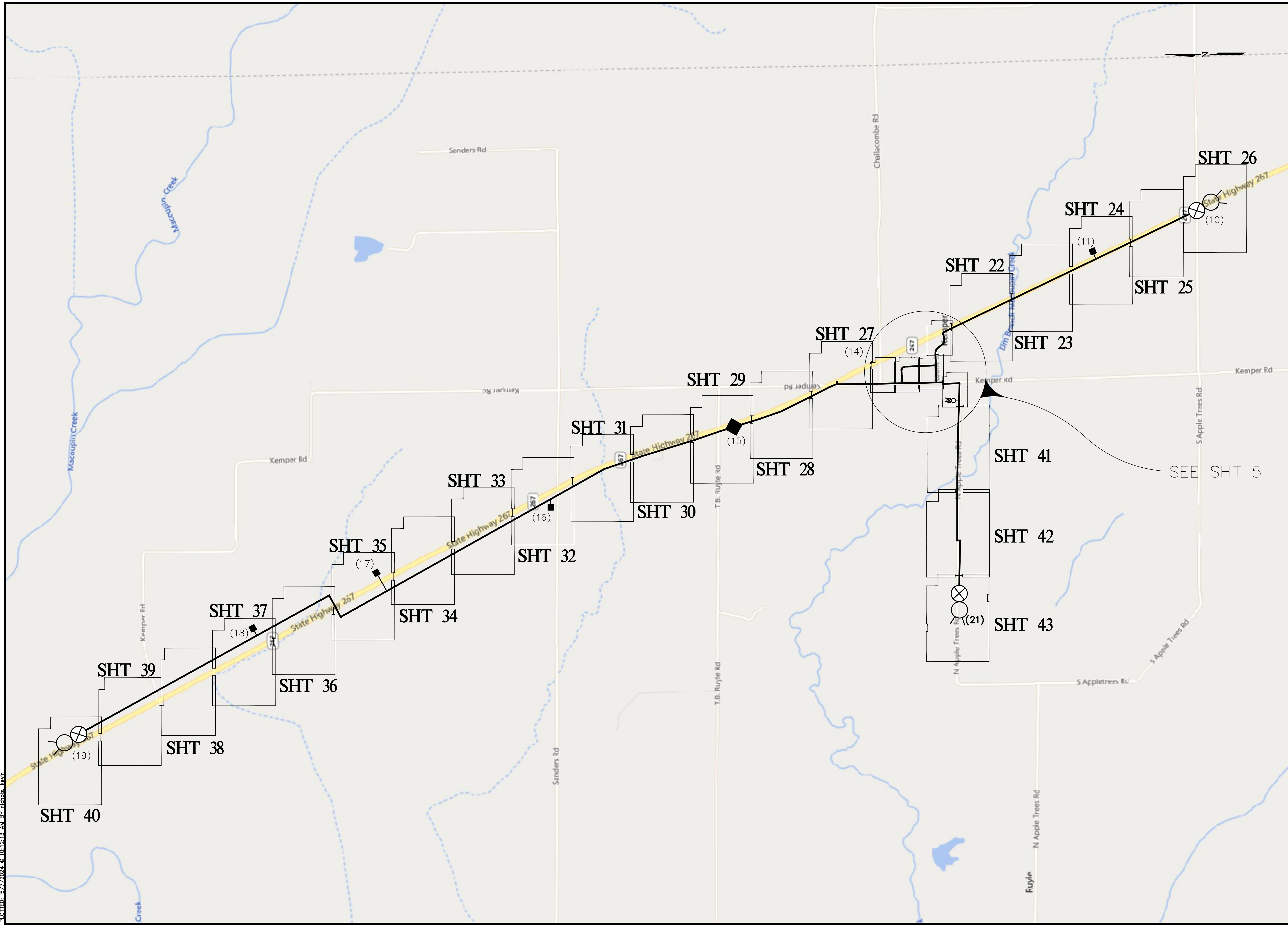
NO.	DATE	REVISIONS

--	--	--

SHEET LAYOUT / SAMPLE PLAN
WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
JERSEY/MACOUPIIN, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	N.T.S.
VERTICAL SCALE:	N.T.S.
PROJECT NO.	01349-404
DATE:	5/2/24
SHEET NO.	4
4 OF 45 SHEETS	

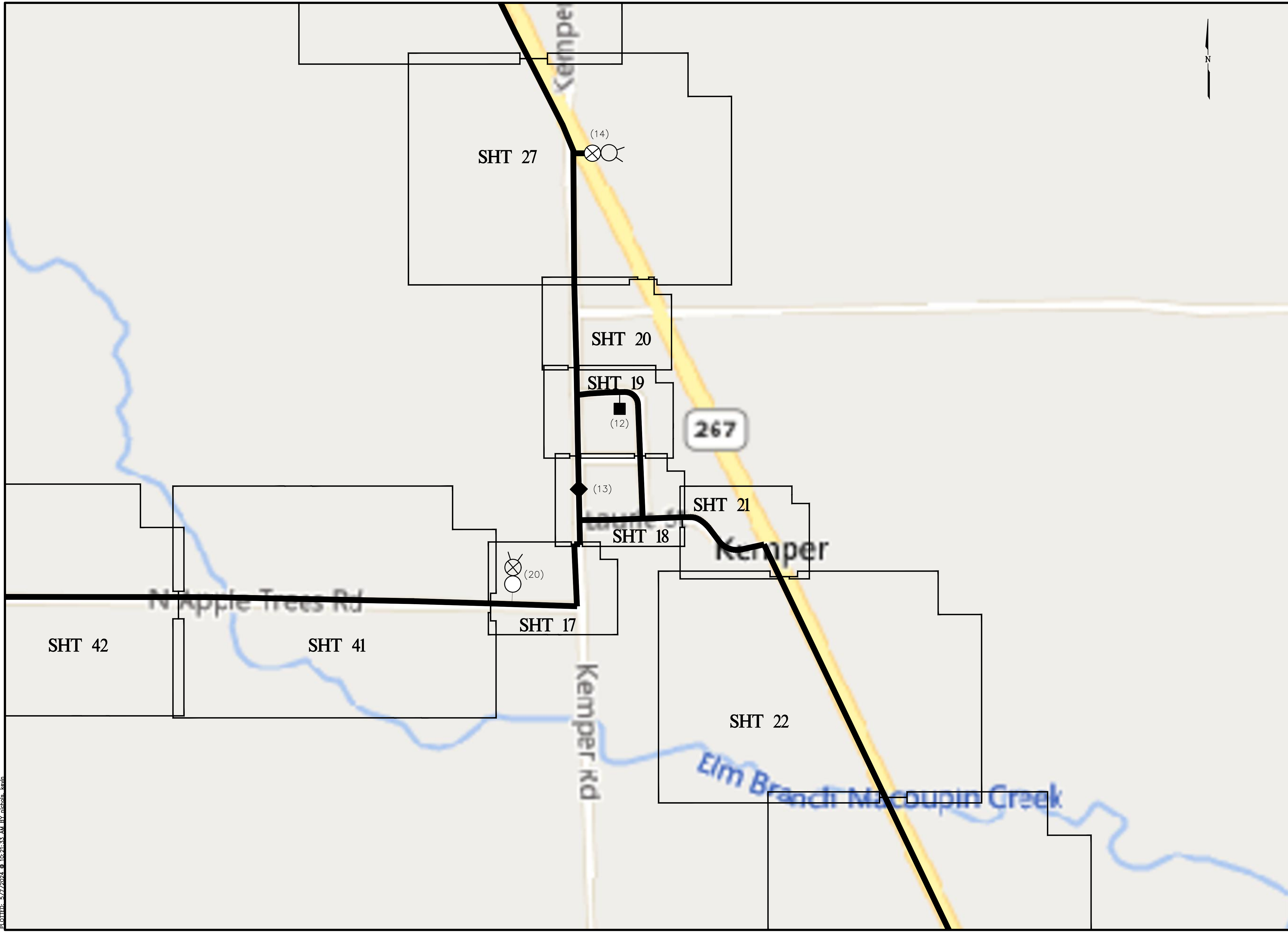
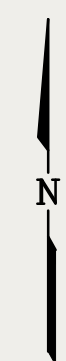


P:\Users\jehersed\pjh\Projects\01349-404\Drawings\General\sample plan.dwg
 PLOTTED: 5/7/2024 10:12:13 AM BY: jehersed



DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059



NO.	DATE	REVISIONS

SHEET LAYOUT / SAMPLE PLAN
WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 N.T.S.

VERTICAL SCALE:
 N.T.S.

PROJECT NO.
 01349-404

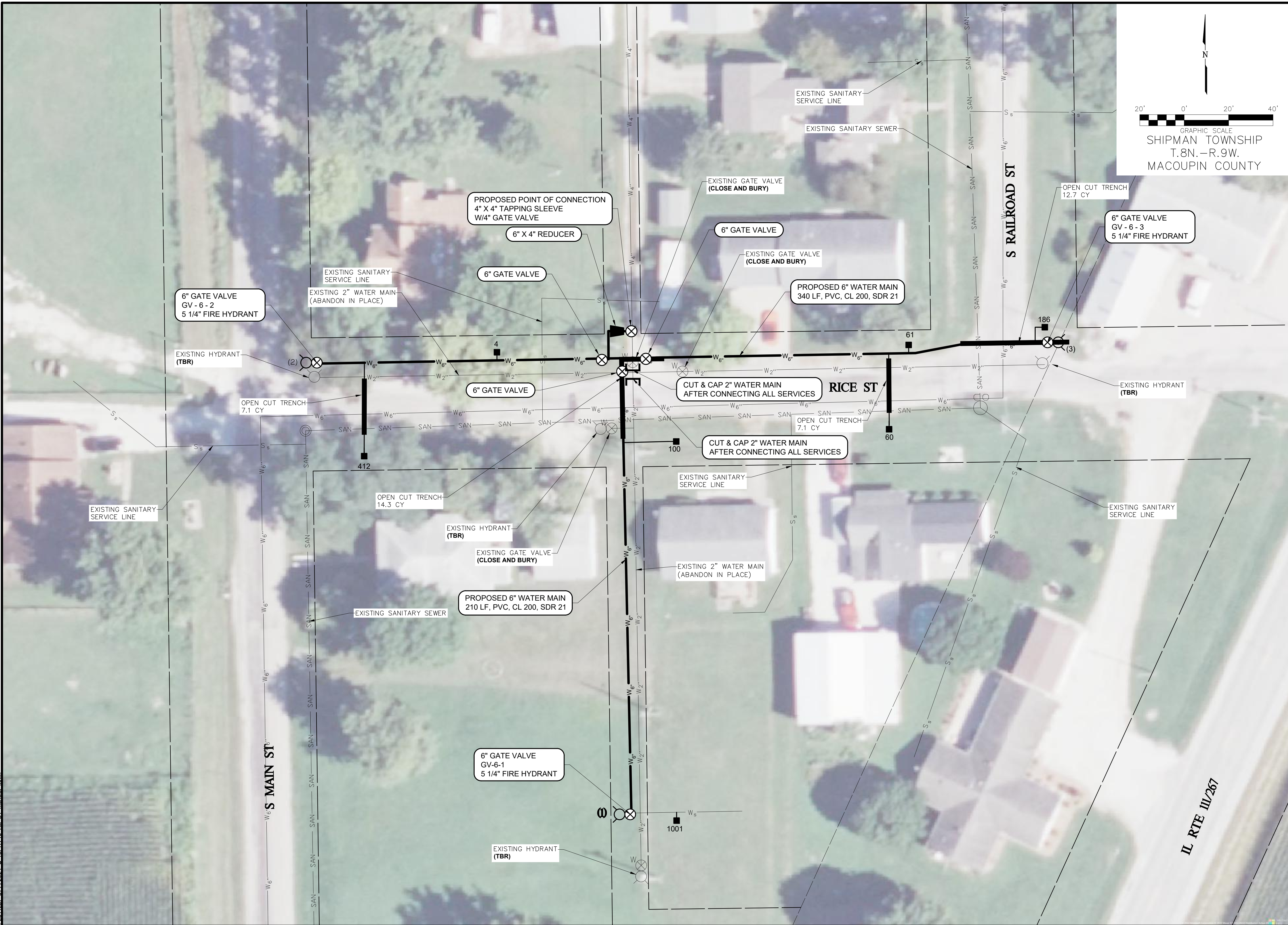
DATE:
 5/2/24

SHEET NO.
 5

5 OF 45 SHEETS

PATH: \\ethers\proj\projects\01349-404\civil\general\sample plan.dwg
 PLOTTED: 5/7/2024 @ 10:21:33 AM BY: rchabbs, kdn

PATH: \\ethers\proj\Projects\01349-404\DWG\civil\plan_sheets_11-16-2022.dwg
 PLOTTED: 5/7/2024 10:42:46 AM BY: nicholas.horn



HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

□ 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410

□ 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652

□ 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290

□ 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
JERSEY/MACOU PIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

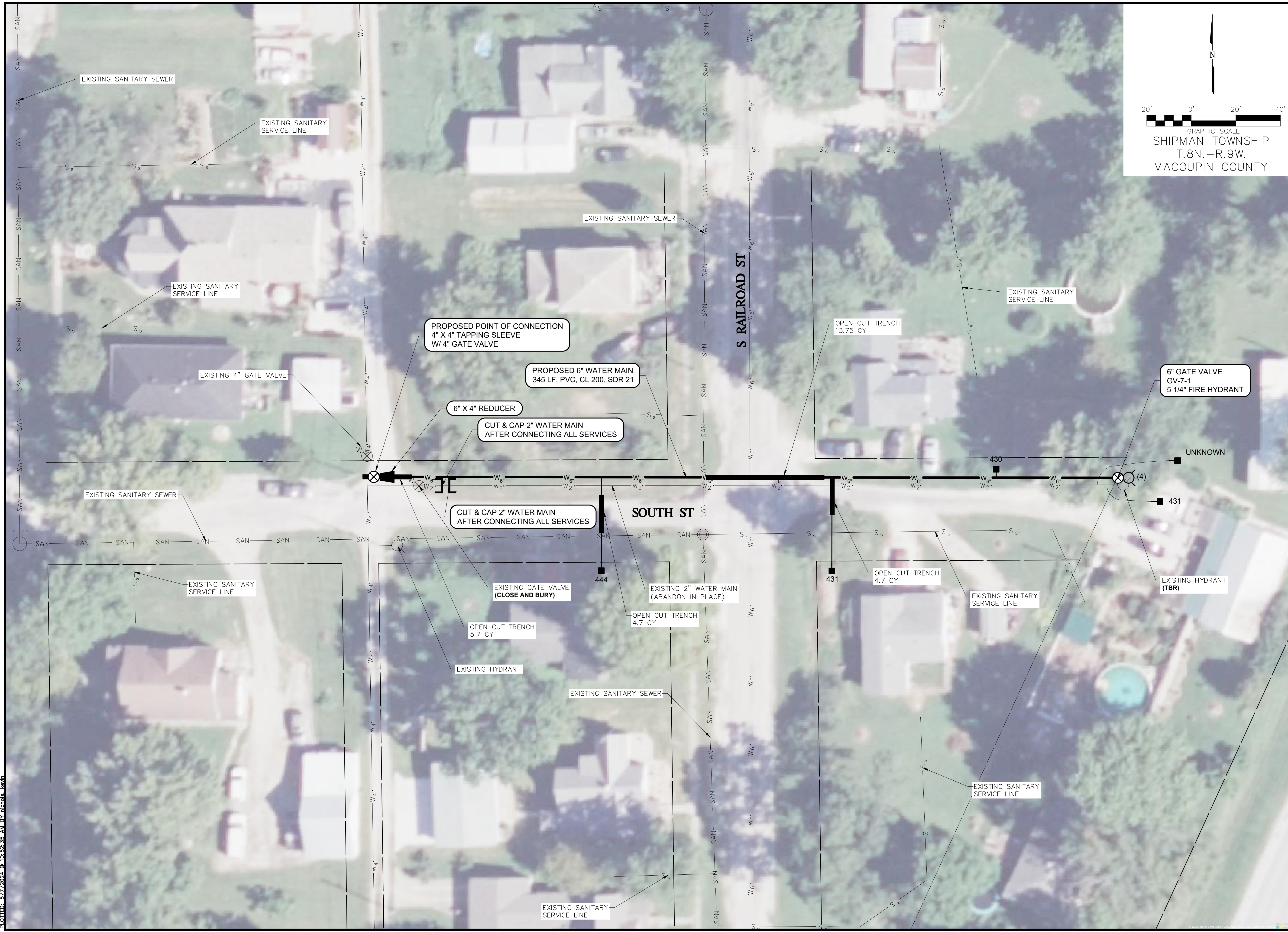
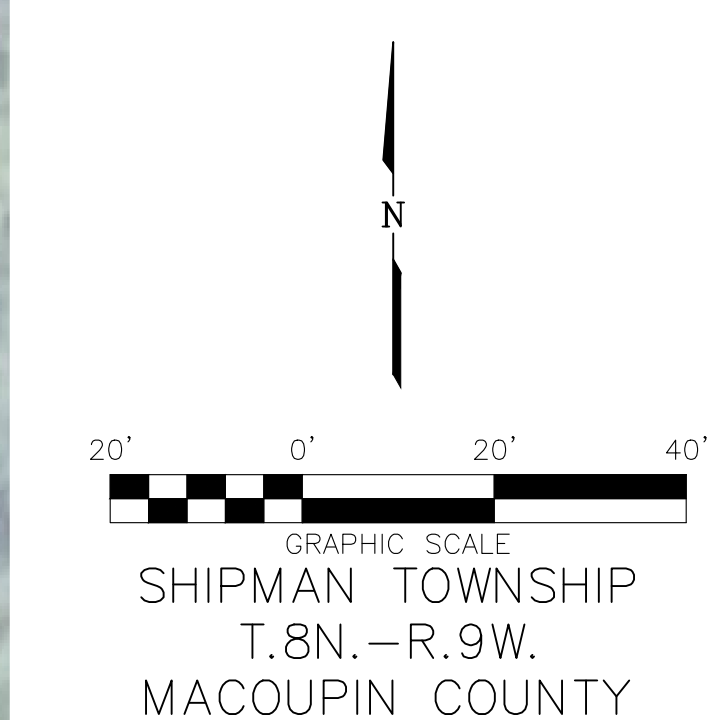
VERTICAL SCALE:
N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
6

6 OF 45 SHEETS



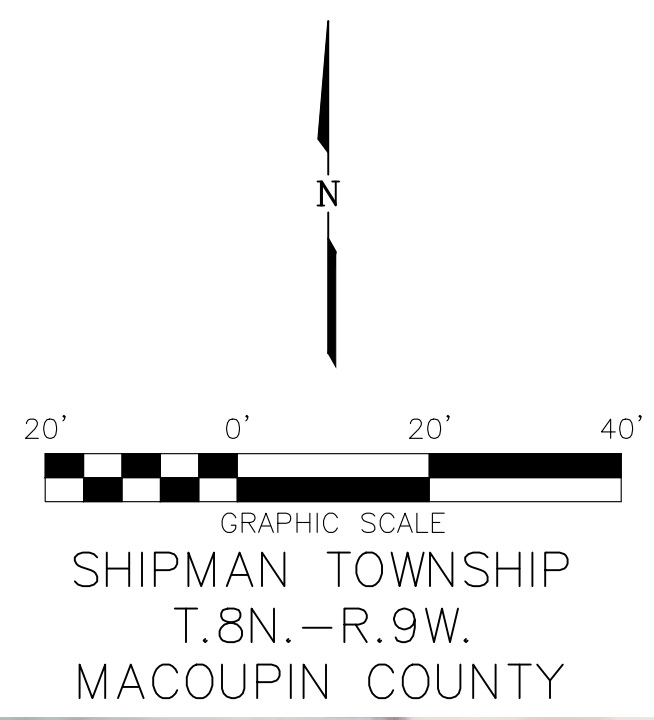
NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPIN, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	1" = 20'
VERTICAL SCALE:	N/A
PROJECT NO.	01349-404
DATE:	5/2/24
SHEET NO.	7
7 OF 45 SHEETS	

PATH: \\ethers-john\projects\01349-404\san\dwg\civil\plan sheets\lipo version 11-16-2022.dwg
 PLOTTED: 5/7/2024 10:52:35 AM BY: nicholas.horn

PATH: \\ethers\proj\Projects\01349-404\San.dwg (civil) plot sheets_lepo version 11-16-2022.dwg
 PLOTTED: 5/7/2024 10:58:52 AM BY: nicholas_kohn



HENEGHAN & ASSOCIATES, P.C.
HA
ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410

800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652

310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290

1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOU PIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 20'

VERTICAL SCALE:
 N/A

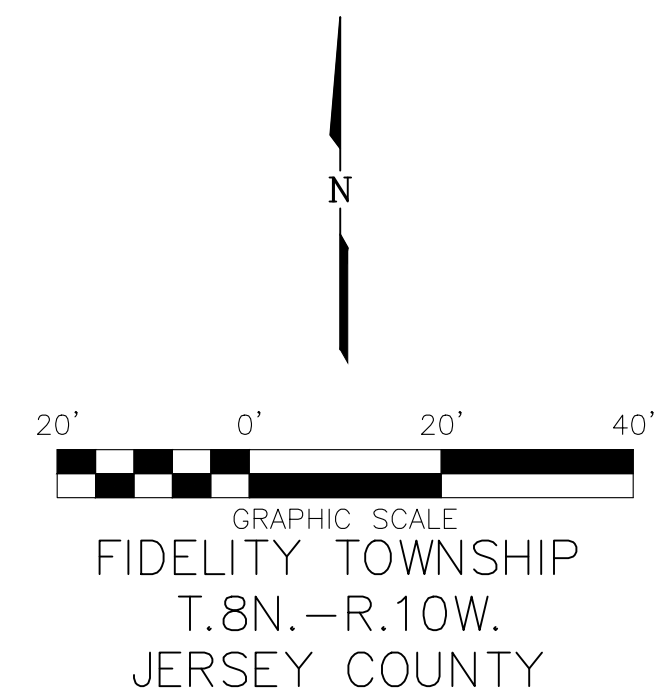
PROJECT NO.
 01349-404

DATE:
 5/2/24

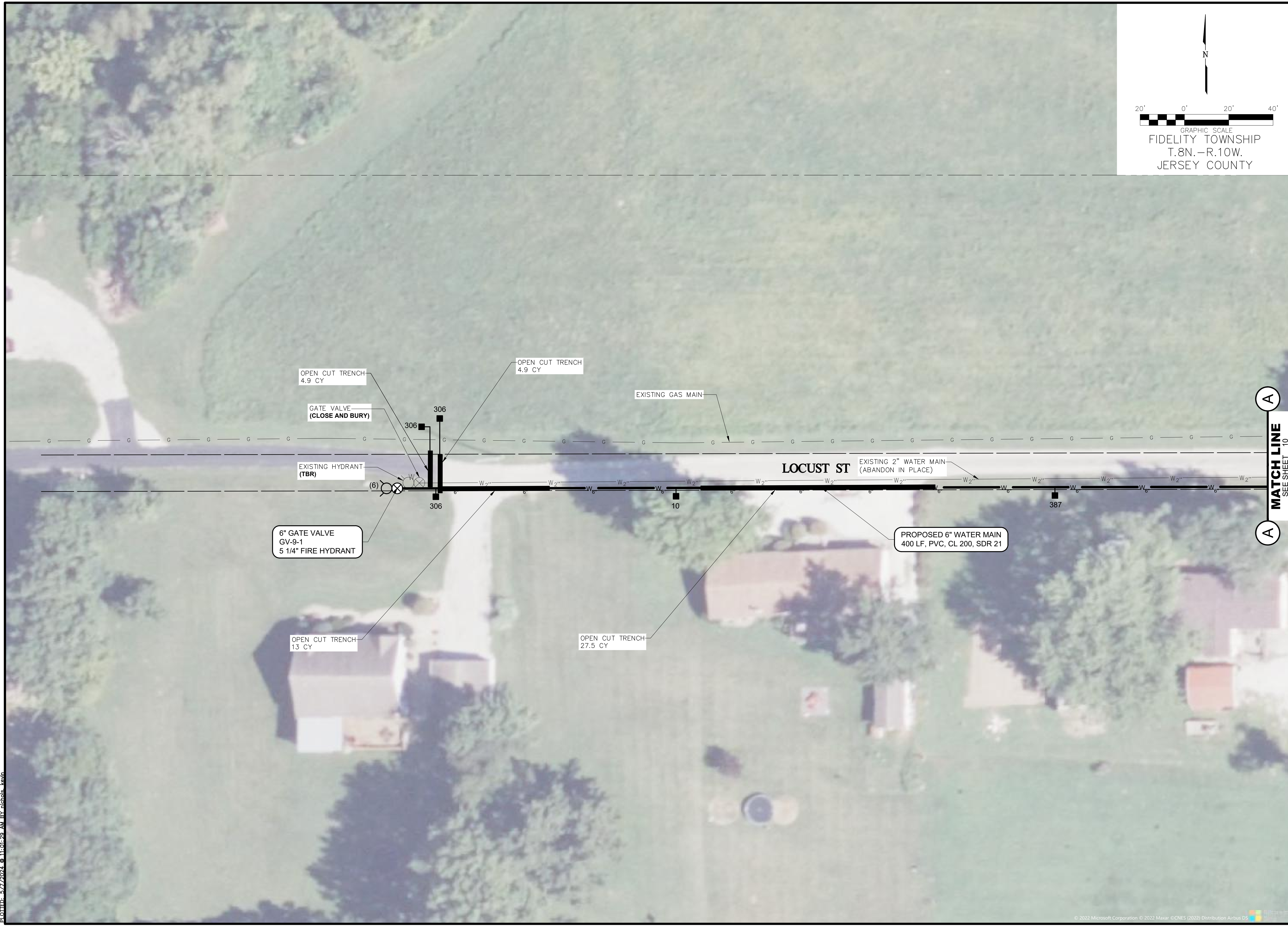
SHEET NO.
 8

8 OF 45 SHEETS

- 1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410
- 800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652
- 310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290
- 1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059



NO.	DATE	REVISIONS

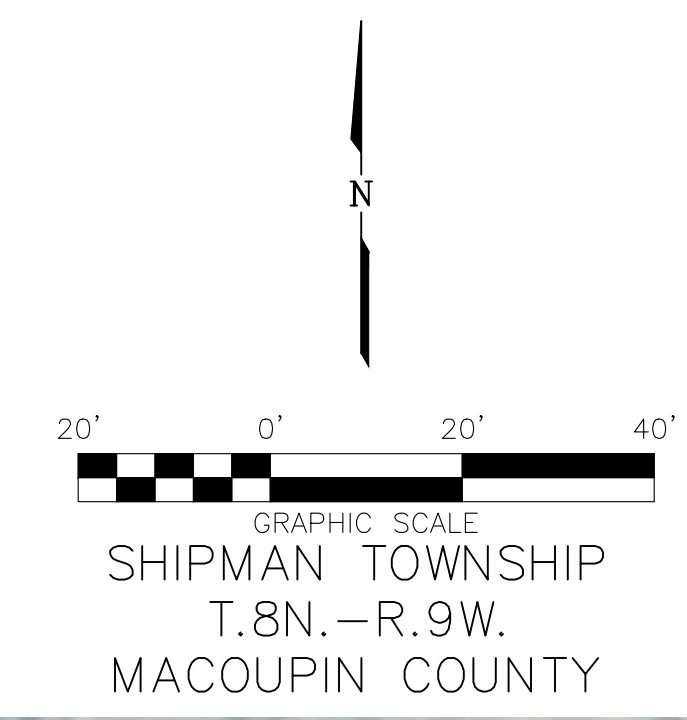


A MATCH LINE
SEE SHEET 10
A

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPI, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	1" = 20'
VERTICAL SCALE:	N/A
PROJECT NO.	01349-404
DATE:	5/2/24
SHEET NO.	9
9 OF 45 SHEETS	

P:\1349-404\1349-404\1349-404.dwg (11/01/24) 11:16:29 AM BY: [redacted]
 PLOTTED: 5/7/2024 @ 11:01:29 AM BY: [redacted]



SHIPMAN TOWNSHIP
T.8N.-R.9W.
MACOUPIN COUNTY

NO.	DATE	REVISIONS

--	--

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

VERTICAL SCALE:
N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
10

10 OF 45 SHEETS



PATH: \\server\proj\projects\01349-404\plan sheets\plan sheets.dwg version 11-16-2023.dwg
 PLOTTED: 5/7/2024 11:04:17 AM BY: chris.henegan

NO.	DATE	REVISIONS

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOU PIN, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

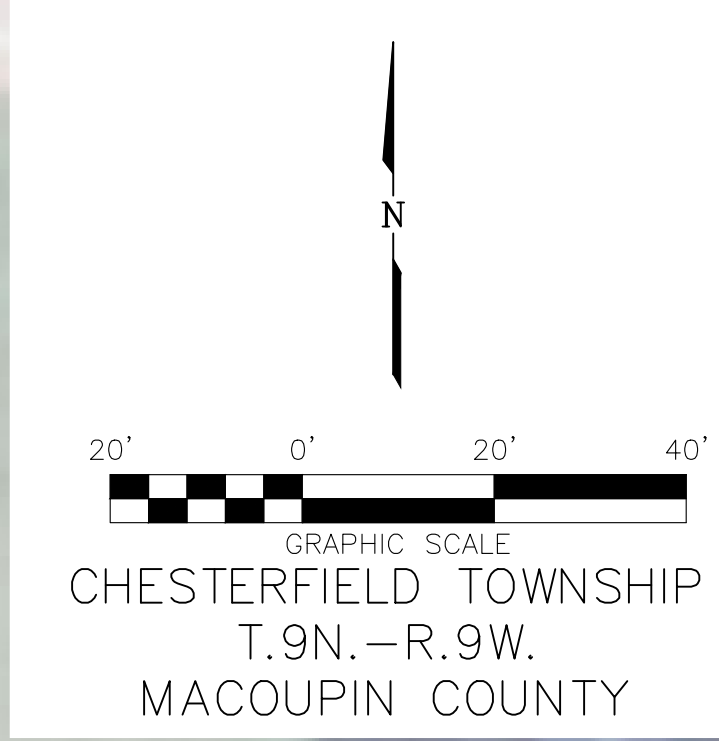
VERTICAL SCALE:
N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
11

11 OF 45 SHEETS



PATH: \\ethers\p\Projects\01349-404\San.dwg\plan sheets\lipo version 11-16-2022.dwg
PLOTTER: 5/7/2024 11:06:49 AM BY: chris.haengr

PATH: \\ethers\proj\projects\01349-404\san\dwg\civil\plan_sheets_lepo_version 11-16-2022.dwg
 PLOTTED: 5/7/2024 @ 11:09:24 AM BY: chris.h.kenn



SEE SHEET 13
MATCH LINE

GRAPHIC SCALE
 20' 0' 20' 40'

CHESTERFIELD TOWNSHIP
 T.9N.-R.9W.
 MACOUPIN COUNTY

HENEGHAN & ASSOCIATES, P.C.

HA

ENGINEERS-SURVEYORS
 www.haenr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025
- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
 - 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
 - 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
 - 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

NO.	DATE	REVISIONS

PLAN SHEET


WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	1" = 20'
VERTICAL SCALE:	N/A
PROJECT NO.	01349-404
DATE:	5/2/24
SHEET NO.	12
12 OF 45 SHEETS	

PATH: \\ethers\proj\projects\01349-404\san\dwg\plan sheets\lipo version 11-16-2022.dwg
 PLOTTED: 5/7/2024 11:12:23 AM BY: ethers, kdn




 20' 0' 20' 40'
 GRAPHIC SCALE
 CHESTERFIELD TOWNSHIP
 T.9N. - R.9W.
 MACOUPIN COUNTY

HENEGHAN & ASSOCIATES, P.C.

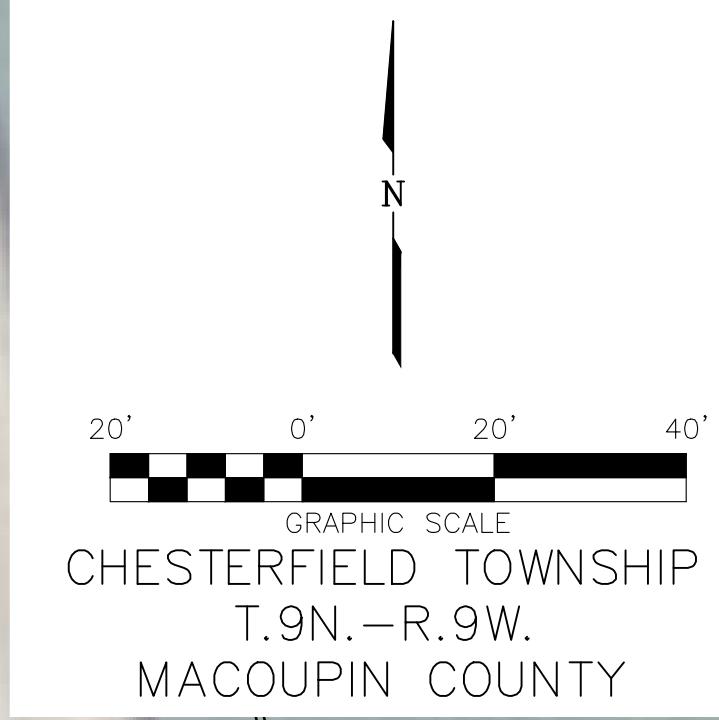
ENGINEERS-SURVEYORS
 www.haenr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025
- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
 - 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
 - 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
 - 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE
 HORIZONTAL SCALE:
 1" = 20'
 VERTICAL SCALE:
 N/A
 PROJECT NO.
 01349-404
 DATE:
 5/2/24
 SHEET NO.
 13
 13 OF 45 SHEETS



CHESTERFIELD TOWNSHIP
T.9N.-R.9W.
MACOUPIN COUNTY



SEE SHEET 13
MATCH LINE

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

VERTICAL SCALE:
N/A

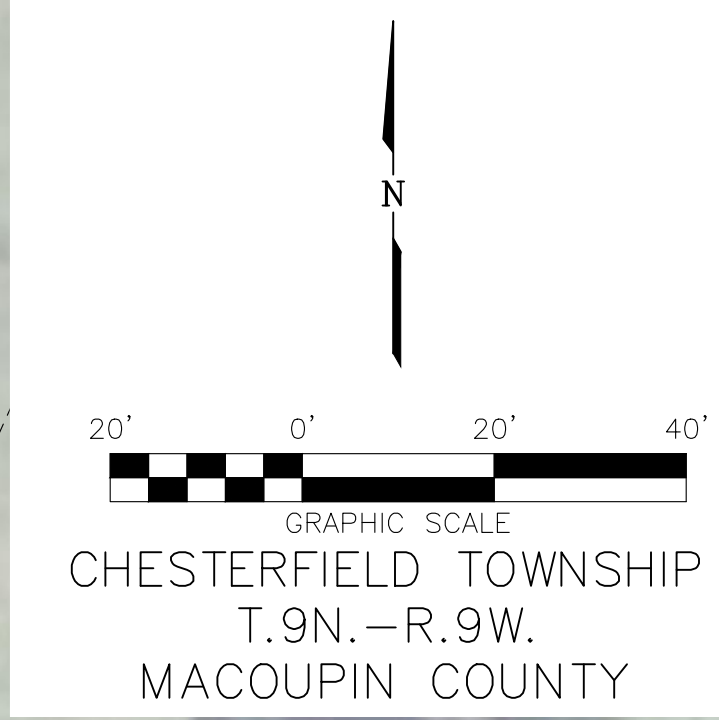
PROJECT NO.
01349-404

DATE:
5/2/24

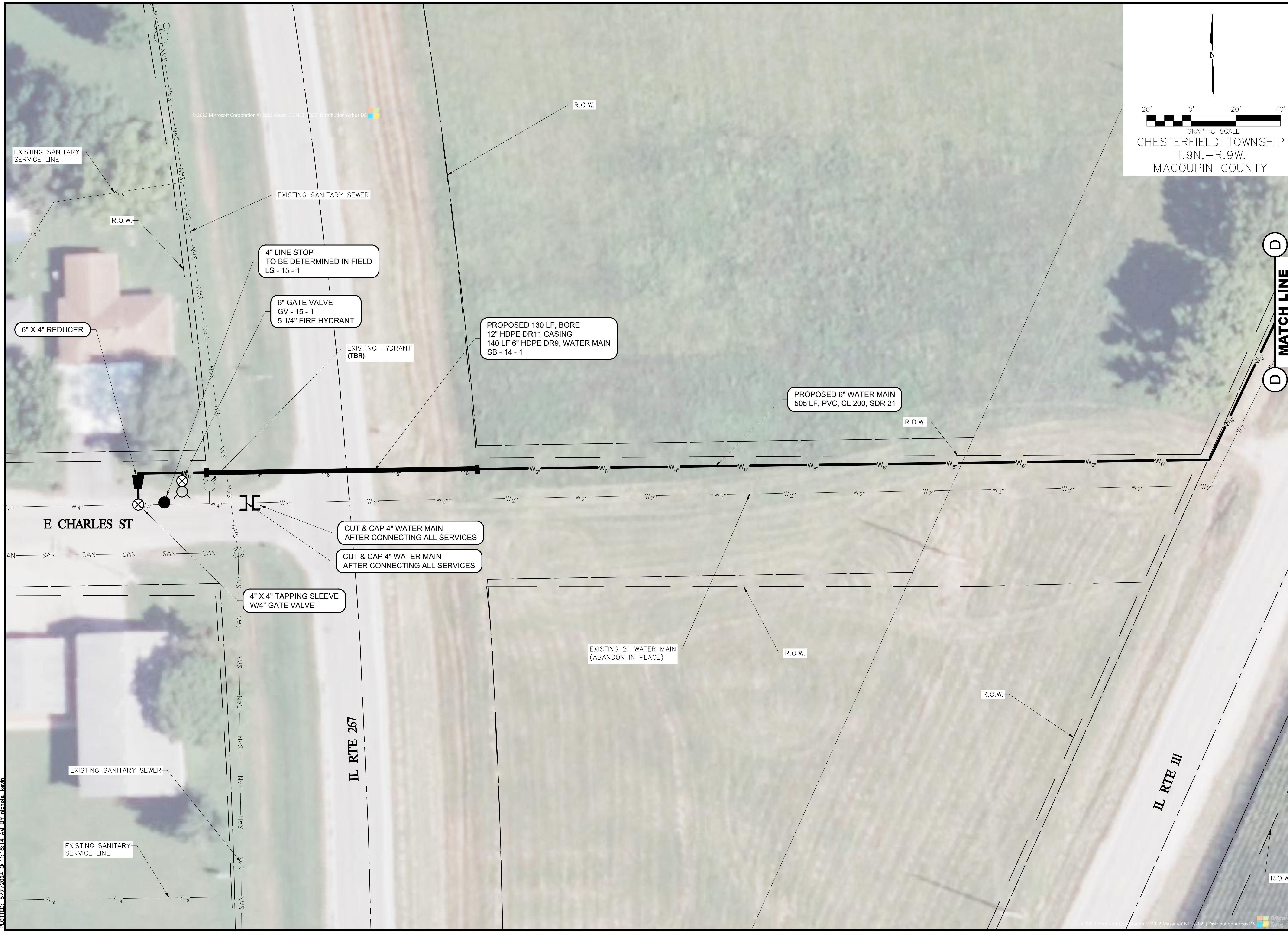
SHEET NO.
14

14 OF 45 SHEETS

PATH: \\ethers\proj\Projects\01349-404\DWG\civil\plan_sheets_lepo_version 11-16-2022.dwg
PLOTED: 5/7/2024 11:15:30 AM BY: ethers, kdn



CHESTERFIELD TOWNSHIP
T.9N.-R.9W.
MACOUPIN COUNTY



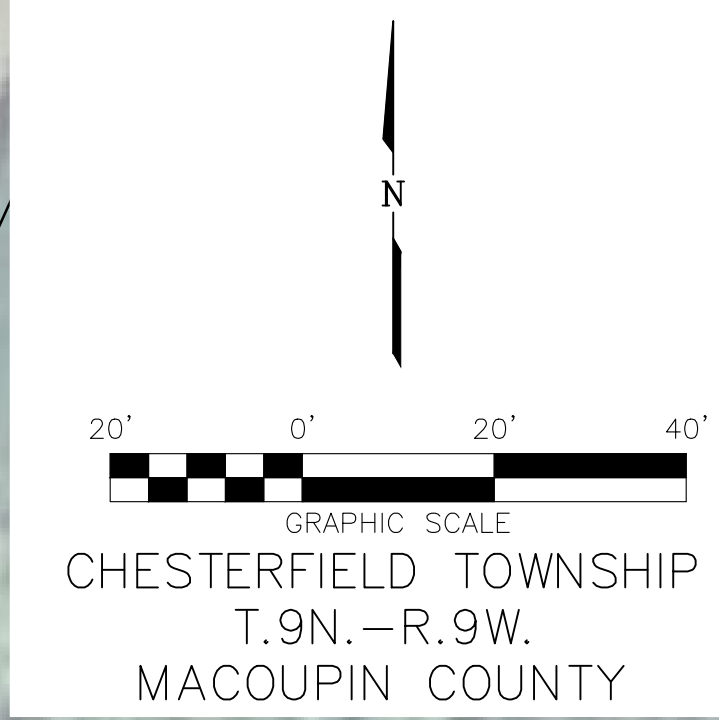
D
MATCH LINE
SEE SHEET 16
D

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE
HORIZONTAL SCALE:
1" = 20'
VERTICAL SCALE:
N/A
PROJECT NO.
01349-404
DATE:
5/2/24
SHEET NO.
15
15 OF 45 SHEETS

PATH: \\server\proj\projects\01349-404\plan sheets\plan sheets_lapo version 11-16-2023.dwg
PLOTED: 5/7/2024 11:18:11 AM BY: rchibros, kdn



CHESTERFIELD TOWNSHIP
T.9N.-R.9W.
MACOUPIN COUNTY

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

VERTICAL SCALE:
N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
16

16 OF 45 SHEETS

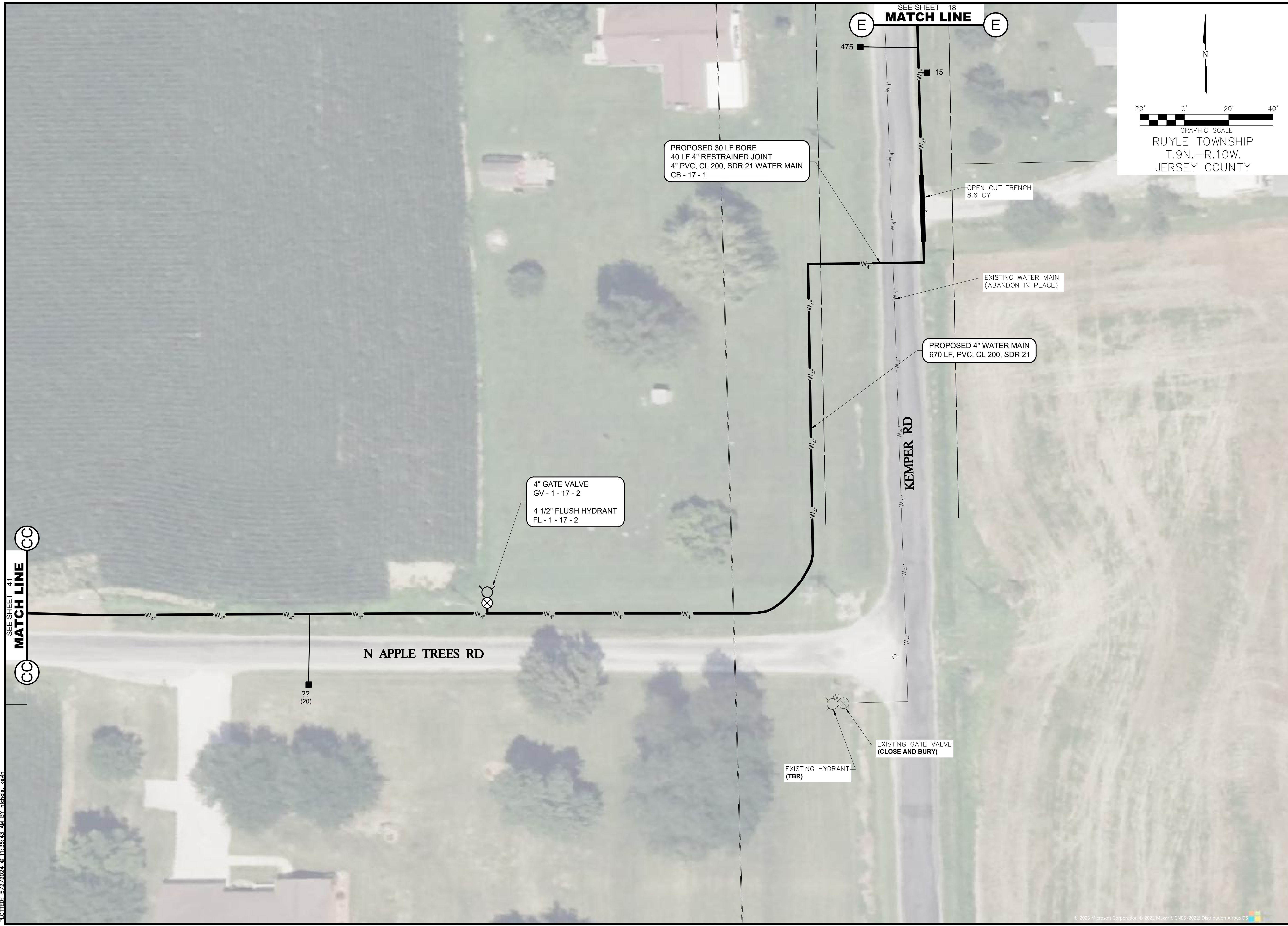
P:\IT\es\yehersd\proj\projects\01349-404\plan sheets\plan sheets.dwg version 11-16-2022.dwg
 PLOTTED: 5/7/2024 11:21:09 AM BY: clchris.km



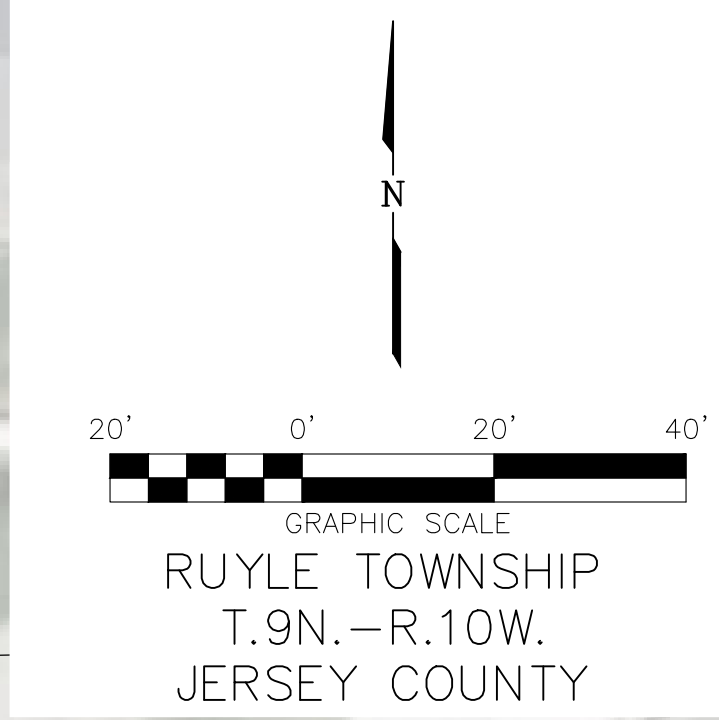
D **MATCH LINE** **D**
SEE SHEET 15

PATH: \\server\proj\projects\01349-404\dwg\civil\plan_sheets\lpo_sheets.lpo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:36:43 AM BY: richard.kenn

SEE SHEET 41
MATCH LINE



SEE SHEET 18
MATCH LINE



HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 20'

VERTICAL SCALE:
 N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
17

17 OF 45 SHEETS

PATH: \\ethers\proj\projects\01349-404\dwg\civil\plan_sheets_lepo_version_11-16-2022.dwg
 PLOTTED: 5/7/2024 @ 11:33:40 AM BY: chris.k...



SEE SHEET 19
MATCH LINE

SEE SHEET 19
MATCH LINE

GRAPHIC SCALE
 20' 0' 20' 40'
 RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410
- 800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652
- 310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290
- 1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059

NO.	DATE	REVISIONS

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 20'
 VERTICAL SCALE:
 N/A

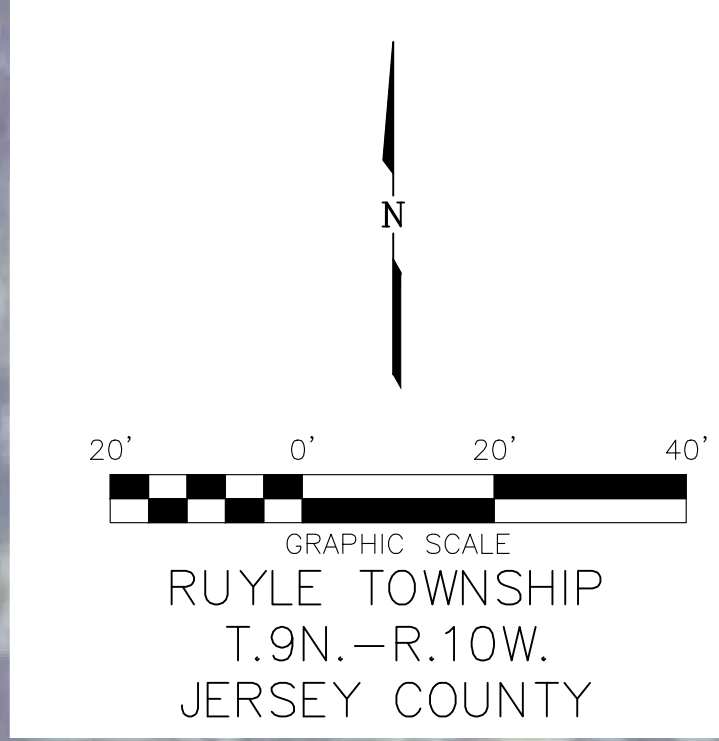
PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 18

18 OF 45 SHEETS

SEE SHEET 20
MATCH LINE



HENEGHAN & ASSOCIATES, P.C.
HA
ENGINEERS-SURVEYORS
www.haenr.com

DESIGN FIRM NUMBERS:
IL: 184-002692, EXPIRES APRIL 30, 2025
MO: 091310, EXPIRES DECEMBER 31, 2025

□ 1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410

□ 800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652

□ 310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290

□ 1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059

NO.	DATE	REVISIONS

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

VERTICAL SCALE:
N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
19

19 OF 45 SHEETS

P:\1349-404\Projects\01349-404\Drawings\Utility\plan sheets_lepo version 11-16-2022.dwg
 PLOTTED: 5/7/2024 @ 11:39:34 AM BY: richard.s.wynn

PROPOSED 30 LF BORE
40 LF 4" RESTRAINED JOINT
4" PVC, CL 200, SDR 21 WATER MAIN
TB - 19 - 1

PROPOSED 50 LF BORE
60 LF. RESTRAINED JOINT,
4" PVC CL 200, SDR 21 WATER MAIN
DW - 19 - 1

4" GATE VALVE
GV - 1 - 19 - 1

EXISTING GATE VALVE
(CLOSE AND BURY)

PROPOSED 4" WATER MAIN
570 LF, PVC, CL 200, SDR 21

EXISTING 4" WATER MAIN
(ABANDON IN PLACE)

4" GATE VALVE
GV - 1 - 19 - 2

4" GATE VALVE
GV - 1 - 19 - 3

PROPOSED 4" WATER MAIN
405 LF, PVC, CL 200, SDR 21

EXISTING 4" WATER MAIN
(ABANDON IN PLACE)

PROPOSED 30 LF BORE
40 L.F. RESTRAINED JOINT,
4" PVC CL 200, SDR 21 WATER MAIN
DW - 19 - 2

4" GATE VALVE
GV - 1 - 19 - 4
4 1/2" FLUSH HYDRANT
FL - 1 - 19 - 4

EXISTING GATE VALVE
(CLOSE AND BURY)

EXISTING HYDRANT
(TBR)

SEE SHEET 18
MATCH LINE

SEE SHEET 18
MATCH LINE

KEMPER RD

PEARL ST

RAILROAD ST

POPLAR ST

TBA

F

F

G

G

I

I

106

105

(12)

103

243

389

?

?

?

TBA

F

F

G

G

I

I

G

G

SEE SHEET 27
MATCH LINE



HENEGHAN & ASSOCIATES, P.C.
HA
ENGINEERS-SURVEYORS
www.haengr.com

DESIGN FIRM NUMBERS:
IL: 184-002692, EXPIRES APRIL 30, 2025
MO: 001310, EXPIRES DECEMBER 31, 2025

1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410

800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652

310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290

1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

VERTICAL SCALE:
N/A

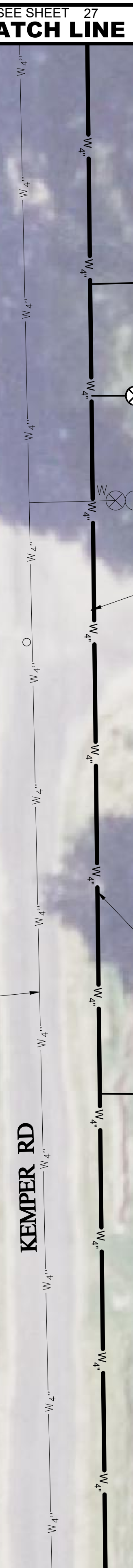
PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
20

20 OF 45 SHEETS

MATCH LINE
SEE SHEET 19



4" GATE VALVE
GV - 1 - 20 - 1
4 1/2" FLUSH HYDRANT
FL - 1 - 20 - 1

EXISTING GATE VALVE
(CLOSE AND BURY)
EXISTING HYDRANT
(TBR)

PROPOSED DIRECTIONAL BORE
180 LF, 4" RESTRAINED JOINT,
4" PVC, CL 200, SDR 21 WATER MAIN
DB - 20 - 1

EXISTING 4" WATER MAIN
(ABANDON IN PLACE)

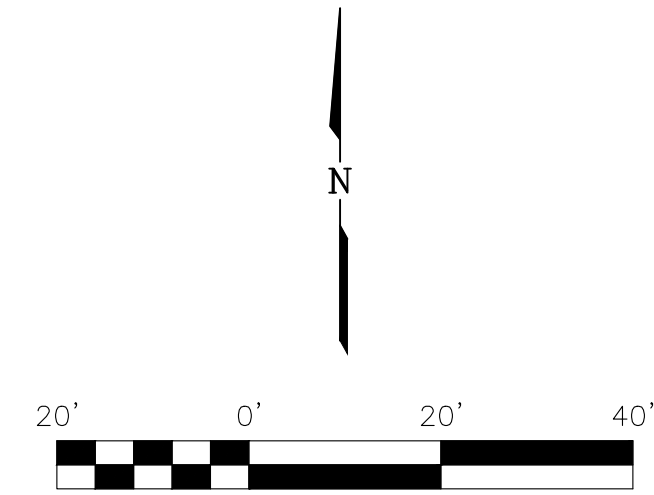
PROPOSED 4" WATER MAIN
405 LF, PVC, CL 200, SDR 21

CHALLACOMBE RD

IL RTE 267

KEMPER RD

P:\Users\jehnerd\p\Projects\01349-404\Drawings\plan sheets_19-16-2022.dwg
 PLOTTED: 5/7/2024 @ 11:44:48 AM BY: chris.k...



GRAPHIC SCALE
RUYLE TOWNSHIP
T.9N. - R.10W.
JERSEY COUNTY

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
THE VILLAGE OF MEDORA
JERSEY/MACOU PIN, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 20'

VERTICAL SCALE:
N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
21

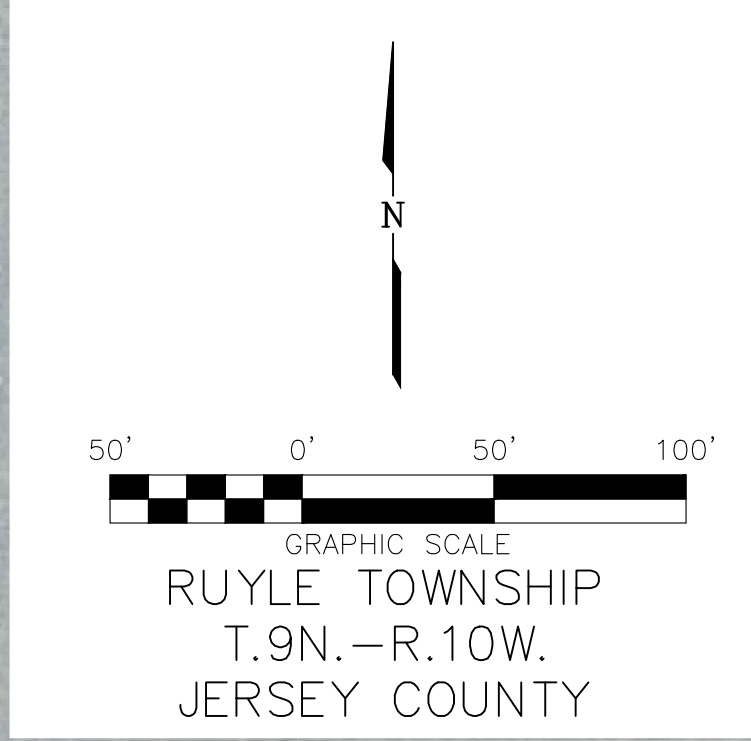
21 OF 45 SHEETS



PATH: \\ethers\proj\Projects\01349-404\plan sheets\lpo sheets\lpo sheets.dwg
PLOTTER: 5/2/2024 11:37:03 AM BY: richards.kwn

J MATCH LINE J
SEE SHEET 22

PATH: \\ethers-john\projects\01349-404\dwg\civil\plan sheets_11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:37:08 AM BY: ethers.john



HENEGHAN & ASSOCIATES, P.C.
HA
 ENGINEERS-SURVEYORS
 www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

--

PLAN SHEET

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 22

22 OF 45 SHEETS

PATH: \\ethers-john\projects\01349-404\dwg\civil\plan_sheets_11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:37:13 AM BY: ethers.john



SEE SHEET 22
MATCH LINE (K)

GRAPHIC SCALE
 RUYLE TOWNSHIP
 T.9N.-R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410
- 800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652
- 310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290
- 1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059

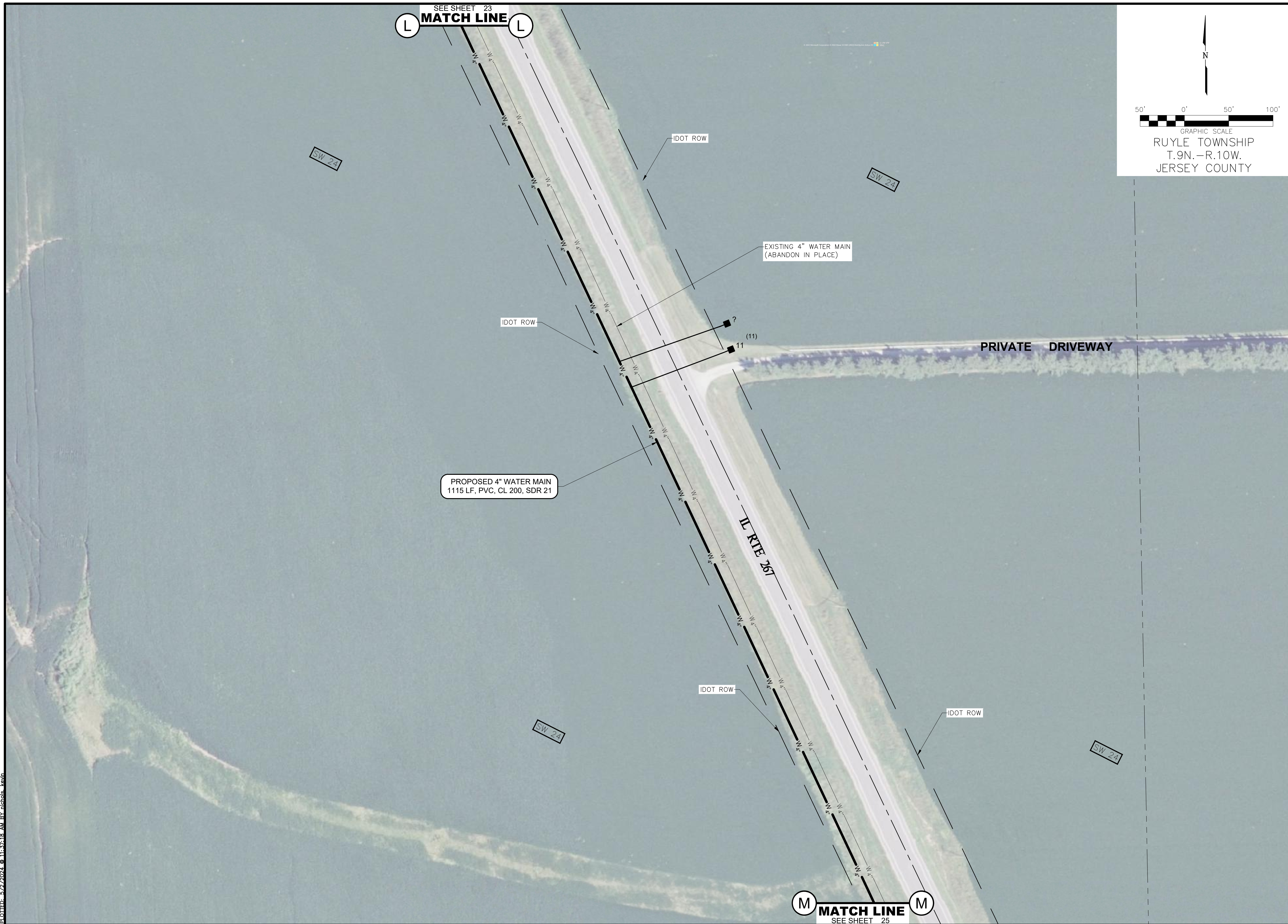
NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEYMACOUPIN, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	
1" = 50'	
VERTICAL SCALE:	
N/A	
PROJECT NO.	
01349-404	
DATE:	
5/2/24	
SHEET NO.	
23	
23 OF 45 SHEETS	

PATH: \\ethers\proj\Projects\01349-404\dwg\civil\plan sheets_11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:37:18 AM BY: ethers.kwn



SEE SHEET 23
MATCH LINE

GRAPHIC SCALE
 50' 0' 50' 100'

RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410
- 800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652
- 310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290
- 1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059

REVISIONS	DATE	NO.			

PLAN SHEET
WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	
1" = 50'	
VERTICAL SCALE:	
N/A	
PROJECT NO.	
01349-404	
DATE:	
5/2/24	
SHEET NO.	
24	
24 OF 45 SHEETS	

PATH: \\ethers-john\projects\01349-404\civil\plan_sheets_11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:37:23 AM BY: richas.km



SEE SHEET 24
MATCH LINE (M)

50' 0' 50' 100'
 GRAPHIC SCALE
 RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haenr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025
- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
 - 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
 - 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
 - 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

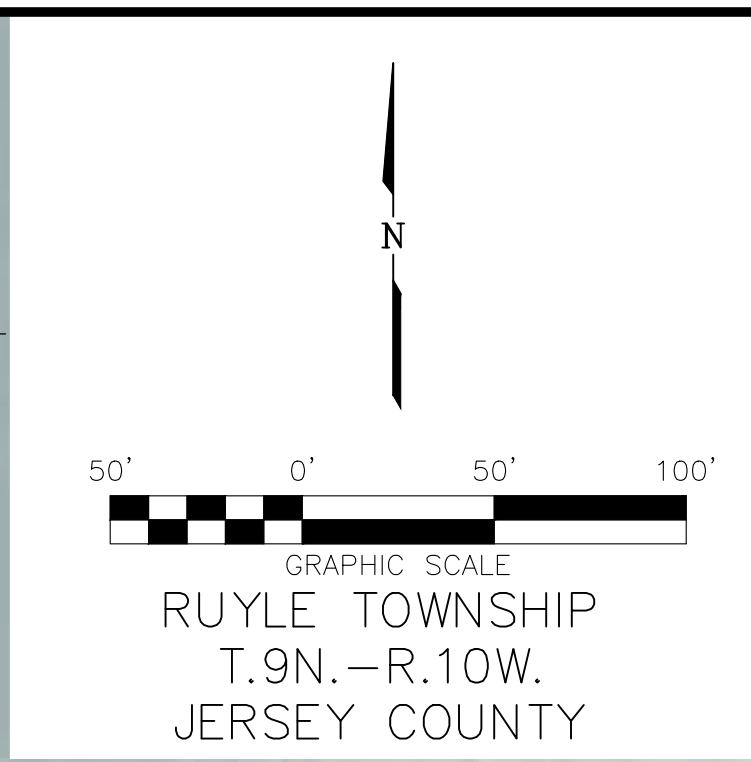
PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
25

25 OF 45 SHEETS

PATH: \\ethersd-john\projects\01349-404\civil\dwg\plan_sheets\lepo_version 11-16-2022.dwg
 PLOTTED: 5/7/2024 11:51:58 AM BY: ethersd-john



HENEGHAN & ASSOCIATES, P.C.
HA
 ENGINEERS-SURVEYORS
 www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

□ 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410

□ 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652

□ 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290

□ 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 26

26 OF 45 SHEETS

P:\IT\es\yehersed-john\projects\01349-404\civil\dwg\plan sheets\lipo version 11-16-2022.dwg
 PLOTTED: 5/7/2024 11:56:37 AM BY: clchris.km



N

50' 0' 50' 100'

GRAPHIC SCALE

RUYLE TOWNSHIP
T.9N. - R.10W.
JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

HA

ENGINEERS-SURVEYORS

www.haengr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025
- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
 - 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
 - 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
 - 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	
1" = 50'	
VERTICAL SCALE:	
N/A	
PROJECT NO.	
01349-404	
DATE:	
5/2/24	
SHEET NO.	
27	
27 OF 45 SHEETS	

PATH: \\ethers\proj\Projects\01349-404\dwg\civil\plan_sheets_11-16-2022.dwg
 PLOTTED: 5/2/2024 11:37:38 AM BY: clark@haengr.com



SEE SHEET 29
MATCH LINE (Q) (Q)

PROPOSED DIRECTIONAL BORE
 260 LF, 4" RESTRAINED JOINT,
 4" PVC, CL 200, SDR 21 WATER MAIN
 DB - 29 - 1

PROPOSED 4" WATER MAIN
 1095 LF, PVC, CL 200, SDR 21

EXISTING 4" WATER MAIN
 (ABANDON IN PLACE)

OPEN CUT TRENCH
 5.2 CY

SE 14

SE 14

SW 13

SW 13

IL RTE 267

IDOT ROW

IDOT ROW

KEMPER RD

(P) **MATCH LINE** (P)
 SEE SHEET 27

GRAPHIC SCALE
 50' 0' 50' 100'

RUYLE TOWNSHIP
 T.9N.-R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

HA
 ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410

800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652

310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290

1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

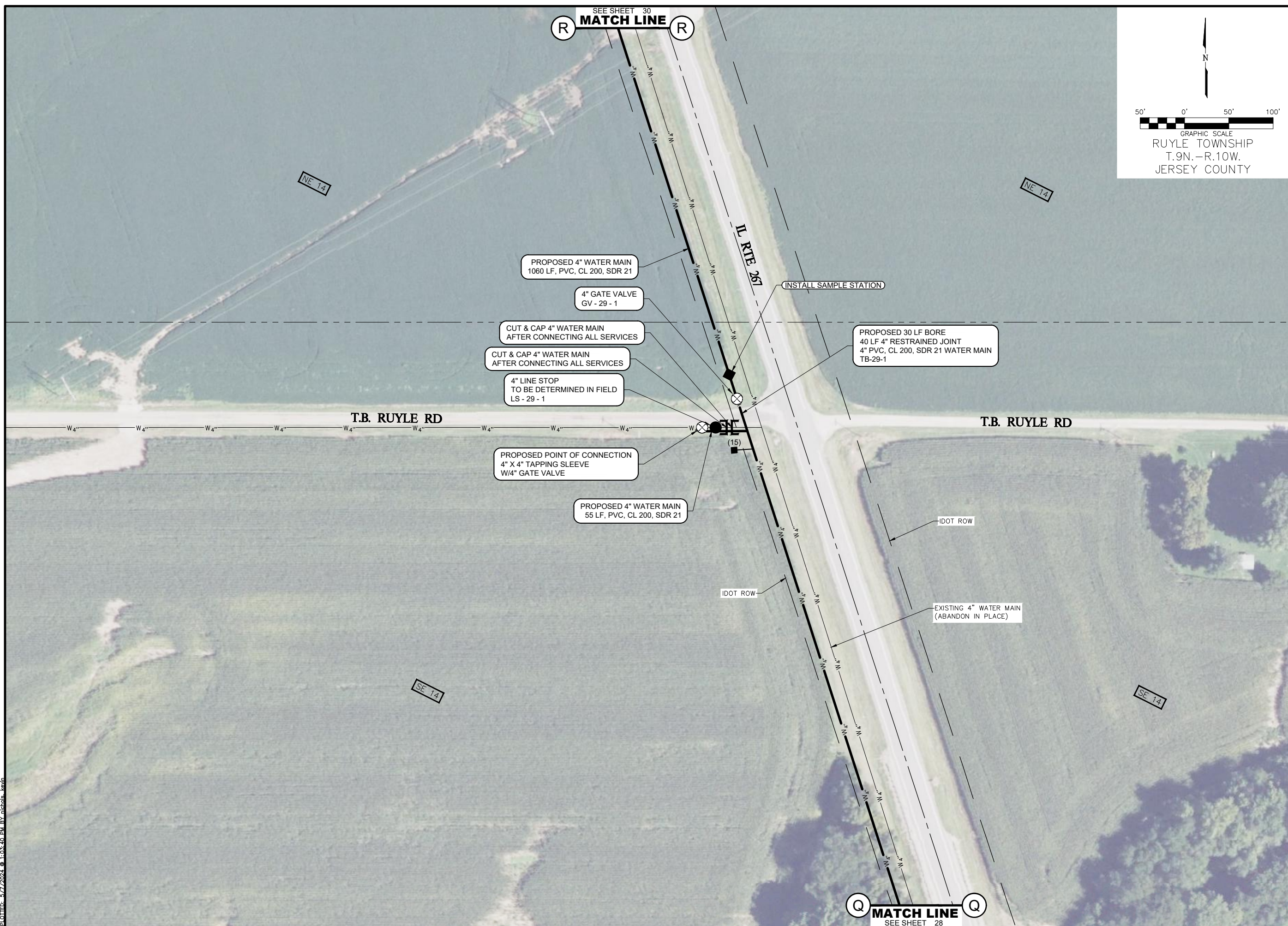
PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 28

28 OF 45 SHEETS

P:\Projects\Water\p1\Projects\01349-404\cadd\dwg\civil\plan_sheets_sapa_version_11-16-2022.dwg
 PLOTTER: 5/7/2024 8:03:40 AM BY: richards_kenn



SEE SHEET 30
MATCH LINE (R)

GRAPHIC SCALE
 50' 0' 50' 100'

RUYLE TOWNSHIP
 T.9N.-R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

--	--	--

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'
 VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

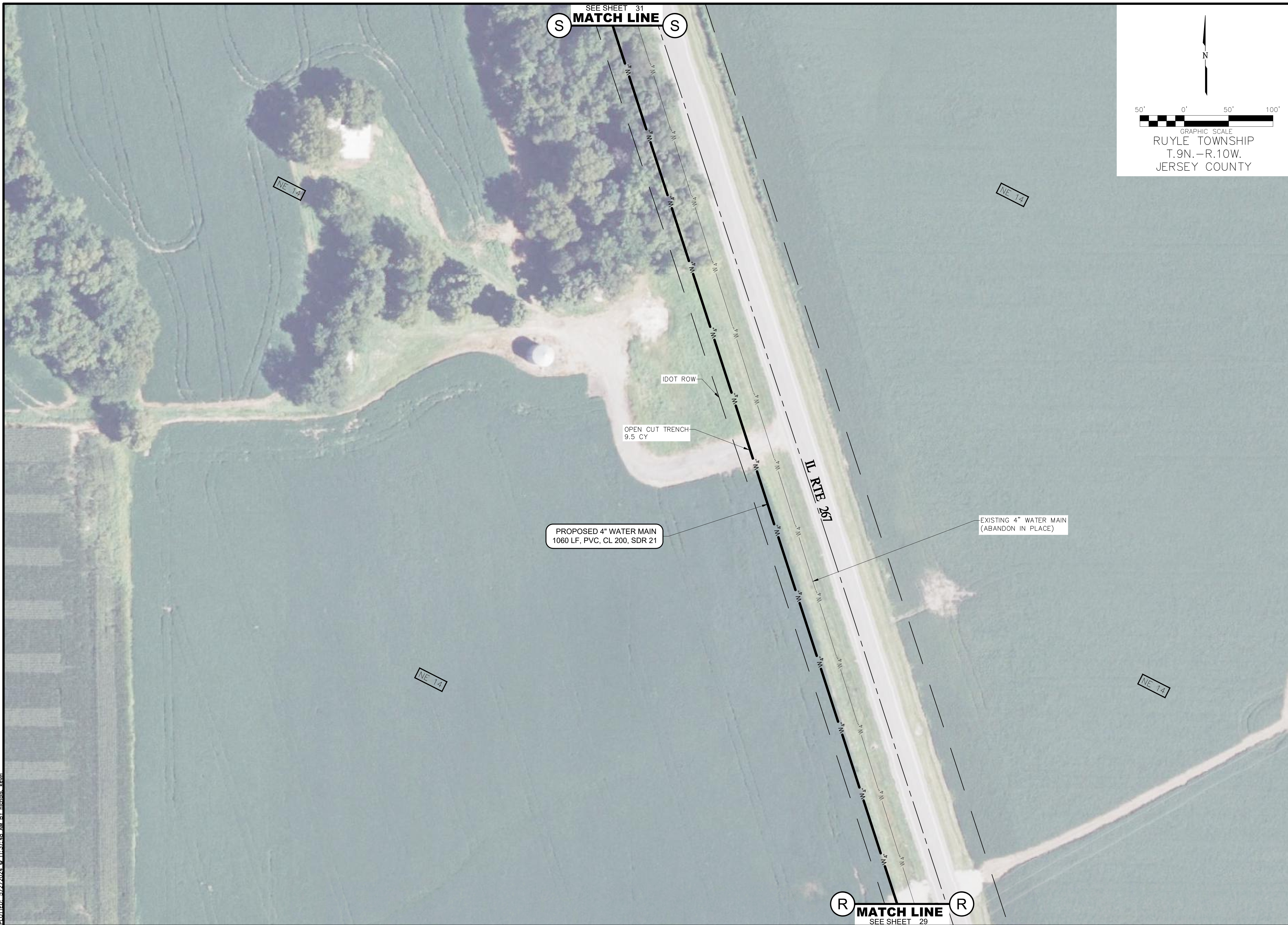
DATE:
 5/2/24

SHEET NO.
 29

29 OF 45 SHEETS

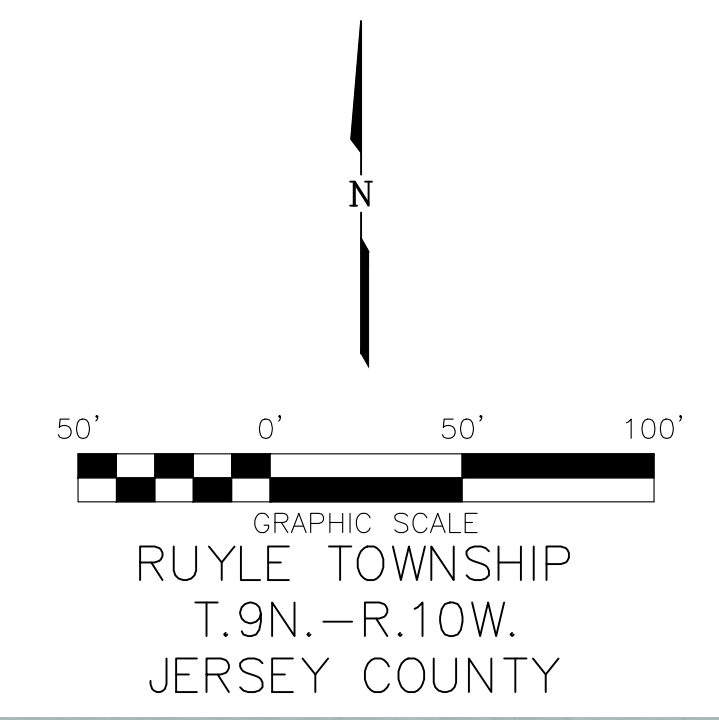
MATCH LINE (Q)
 SEE SHEET 28

PATH: \\ethers\proj\projects\01349-404\civil\plan sheets\lpo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 11:37:48 AM BY: clchris.km



SEE SHEET 31
S MATCH LINE S

R MATCH LINE R
 SEE SHEET 29



HENEGHAN & ASSOCIATES, P.C.
HA
 ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

- ☐ 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- ☐ 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- ☐ 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- ☐ 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

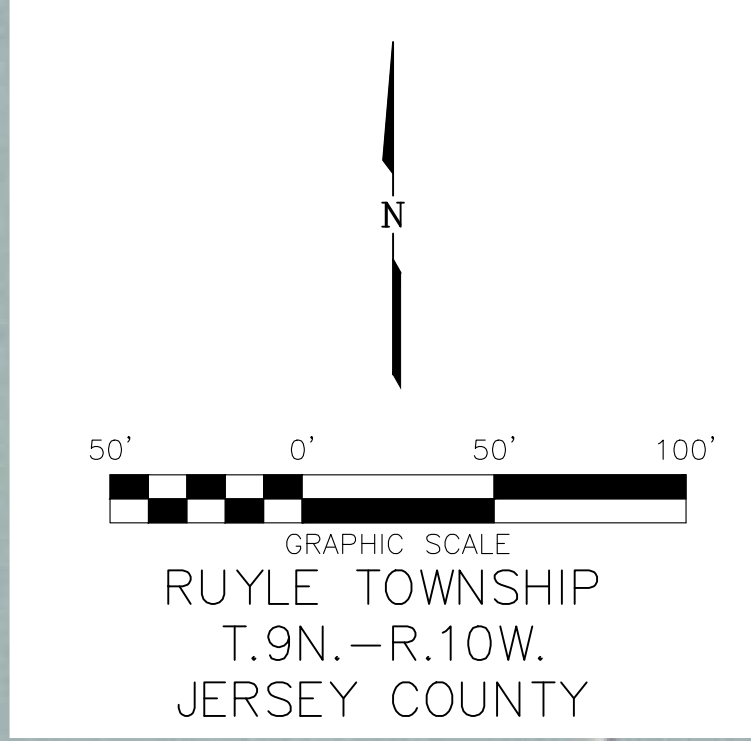
PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 30

30 OF 45 SHEETS

PATH: \\ethers\proj\Projects\01349-404\dwg\civil\plan sheets\lpo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:37:53 AM BY: chris.k.m



HENEGHAN & ASSOCIATES, P.C.
HA
 ENGINEERS-SURVEYORS
 www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

□ 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410

□ 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652

□ 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290

□ 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 31

31 OF 45 SHEETS

PATH: \\ethers\proj\Projects\01349-404\dwg\civil\plan_sheets\lpo_version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:57:58 AM BY: clark@haengr.com



SEE SHEET 33
MATCH LINE (U)

GRAPHIC SCALE
 RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410

800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652

310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290

1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
 WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEYMACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 32

32 OF 45 SHEETS

MATCH LINE (T)
 SEE SHEET 31

PATH: \\ethers-john\projects\01349-404\civil\plan sheets\lipo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:35:03 AM BY: richard.k.will



50' 0' 50' 100'
 GRAPHIC SCALE
 RUYLE TOWNSHIP
 T.9N.-R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haenr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025
- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
 - 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
 - 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
 - 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY:	KDN
CHECKED BY:	KEW
APPROVED BY:	SWE
HORIZONTAL SCALE:	
1" = 50'	
VERTICAL SCALE:	
N/A	
PROJECT NO.	
01349-404	
DATE:	
5/2/24	
SHEET NO.	
33	
33 OF 45 SHEETS	

PATH: \\ethers\proj\projects\01349-404\dwg\civil\plan_sheets\lepo_version_11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:58:08 AM BY: cichals, kwn



SEE SHEET 35
MATCH LINE

W W

OPEN CUT TRENCH
 3.8 CY

GRAPHIC SCALE
 50' 0' 50' 100'

RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN

CHECKED BY: KEW

APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 50'

VERTICAL SCALE:
N/A

PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
34

34 OF 45 SHEETS

V V
MATCH LINE
 SEE SHEET 33

PATH: \\ethers\proj\projects\01349-404\dwg\civil\plan_sheets\lipo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:35:18 AM BY: richards, kwn



SEE SHEET 37
MATCH LINE (Y) (Y)

(X) **MATCH LINE** (X)
 SEE SHEET 35

50' 0' 50' 100'
 GRAPHIC SCALE
 RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haengr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025
- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
 - 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
 - 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
 - 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS			

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

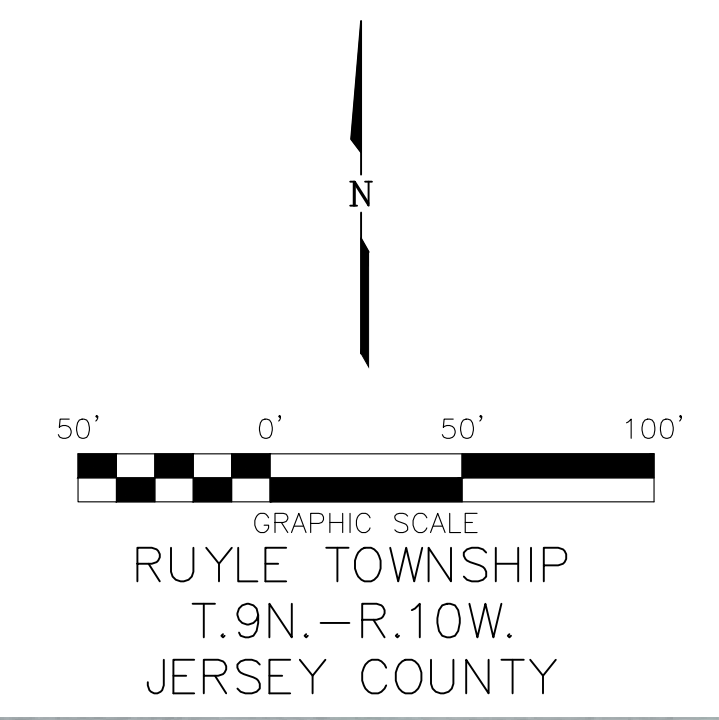
DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE
 HORIZONTAL SCALE:
 1" = 50'
 VERTICAL SCALE:
 N/A
 PROJECT NO.
 01349-404
 DATE:
 5/2/24
 SHEET NO.
 36
 36 OF 45 SHEETS

PATH: \\ethers\proj\Projects\01349-404\civil\plan sheets\lpo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 11:35:23 AM BY: rchris.km



SEE SHEET 38
MATCH LINE
 Z Z

MATCH LINE
 Y Y
 SEE SHEET 36



HENEGHAN & ASSOCIATES, P.C.

 ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 37

37 OF 45 SHEETS

PATH: \\ethers\proj\Projects\01349-404\dwg\civil\plan_sheets_11-16-2022.dwg
 PLOTTED: 5/7/2024 @ 1:13:08 PM BY: michels_kam



SEE SHEET 39
MATCH LINE

KEMPER ROAD

PROPOSED 4" WATER MAIN
 55 LF, PVC, CL 200, SDR 21

PROPOSED 80' BORE
 100 LF, 4" HDPE DR9 WATER MAIN

PROPOSED 30 LF BORE
 4" RESTRAINED JOINT,
 4" PVC CL 200, SDR 21 WATER MAIN
 TB - 38 - 1

EXISTING 4" WATER MAIN
 (ABANDON IN PLACE)

PROPOSED 4" WATER MAIN
 1035 LF, PVC, CL 200, SDR 21

PROPOSED DIRECTIONAL BORE
 100 LF, 4" RESTRAINED JOINT,
 4" PVC CL 200, SDR 21 WATER MAIN
 DB - 38 - 1

MATCH LINE
 SEE SHEET 37

GRAPHIC SCALE
 50' 0' 50' 100'
 RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 38

38 OF 45 SHEETS

PATH: \\ethers\proj\Projects\01349-404\plan sheets\plan sheets_11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:36:33 AM BY: ethers, kwn



SEE SHEET 40
MATCH LINE (BB) (BB)

GRAPHIC SCALE
 50' 0' 50' 100'

RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

HA

ENGINEERS-SURVEYORS
 www.haengr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025
- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
 - 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
 - 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
 - 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

--	--	--

PLAN SHEET

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 39

39 OF 45 SHEETS

(AA) **MATCH LINE** (AA)
 SEE SHEET 38

KEMPER ROAD

P:\11-16-2022\11-16-2022.dwg
 PLOTTED: 5/7/2024 1:31:22 PM BY: michelle.kohn



N
 50' 0' 50' 100'
 GRAPHIC SCALE
 RUYLE TOWNSHIP
 T.9N. - R.10W.
 JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 001310, EXPIRES DECEMBER 31, 2025

- 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'
 VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 40

40 OF 45 SHEETS

BB **MATCH LINE** **BB**
 SEE SHEET 39

PATH: \\ethersd-john\projects\01349-404\plan sheets\lipo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:35:43 AM BY: ethersd-john



N

50' 0' 50' 100'

GRAPHIC SCALE

RUYLE TOWNSHIP
T.9N.-R.10W.
JERSEY COUNTY

HENEGHAN & ASSOCIATES, P.C.

HA

ENGINEERS-SURVEYORS
www.haengr.com

- DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025
- ☐ 1004 STATE HWY. 16
JERSEYVILLE, IL 62052
P: (618) 498-6418
F: (618) 498-6410
 - ☐ 800 BROADWAY, SUITE 3
MOUNT VERNON, IL 62864
P: (618) 533-6525
F: (618) 533-6652
 - ☐ 310A VISION DRIVE
COLUMBIA, IL 62236
P: (618) 281-8133
F: (618) 281-8290
 - ☐ 1929 RICHARDSON ROAD
ARNOLD, MO 63010
P: (636) 464-3610
F: (636) 464-2059

NO.	DATE	REVISIONS

MATCH LINE
SEE SHEET 17

MATCH LINE
SEE SHEET 42

PLAN SHEET

WATER MAIN REPLACEMENT

THE VILLAGE OF MEDORA
JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
1" = 50'

VERTICAL SCALE:
N/A

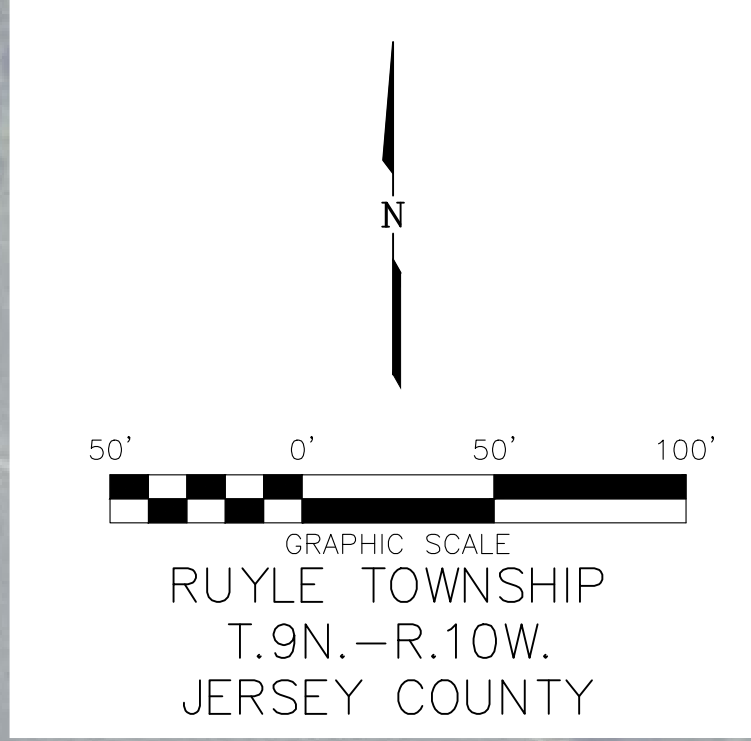
PROJECT NO.
01349-404

DATE:
5/2/24

SHEET NO.
41

41 OF 45 SHEETS

PATH: \\ethersd-john\projects\01349-404\dwg\civil\plan_sheets_11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:36:48 AM BY: clchris.km



HENEGHAN & ASSOCIATES, P.C.

ENGINEERS-SURVEYORS
 www.haengr.com

DESIGN FIRM NUMBERS:
 IL: 184-002892, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

- ☐ 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410
- ☐ 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652
- ☐ 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290
- ☐ 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

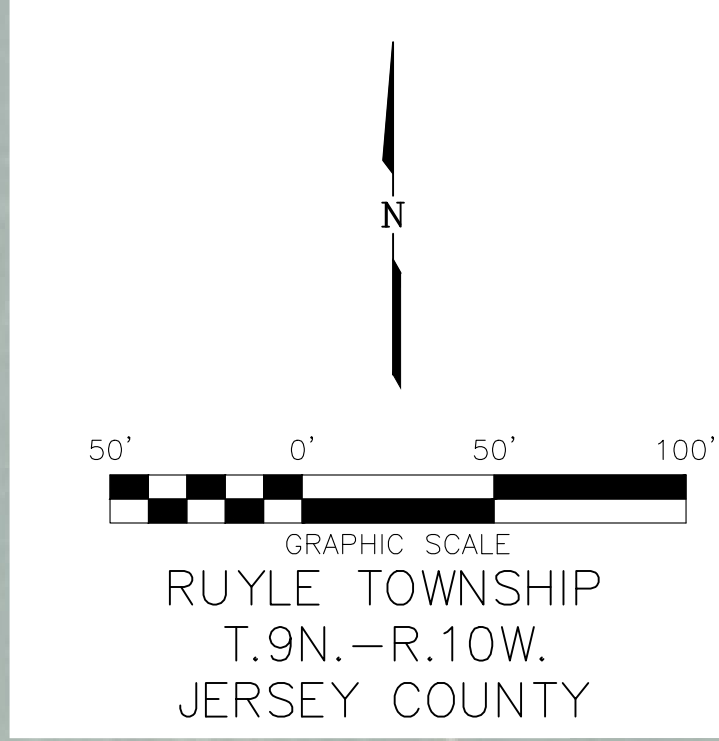
VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 42

42 OF 45 SHEETS



HENEGHAN & ASSOCIATES, P.C.
HA
ENGINEERS-SURVEYORS
 www.haenr.com

DESIGN FIRM NUMBERS:
 IL: 184-002692, EXPIRES APRIL 30, 2025
 MO: 091310, EXPIRES DECEMBER 31, 2025

□ 1004 STATE HWY. 16
 JERSEYVILLE, IL 62052
 P: (618) 498-6418
 F: (618) 498-6410

□ 800 BROADWAY, SUITE 3
 MOUNT VERNON, IL 62864
 P: (618) 533-6525
 F: (618) 533-6652

□ 310A VISION DRIVE
 COLUMBIA, IL 62236
 P: (618) 281-8133
 F: (618) 281-8290

□ 1929 RICHARDSON ROAD
 ARNOLD, MO 63010
 P: (636) 464-3610
 F: (636) 464-2059

NO.	DATE	REVISIONS

EE MATCH LINE
 SEE SHEET 42

PLAN SHEET
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPI, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE:
 1" = 50'

VERTICAL SCALE:
 N/A

PROJECT NO.
 01349-404

DATE:
 5/2/24

SHEET NO.
 43

43 OF 45 SHEETS

PATH: \\ethersd-john\projects\01349-404\plan sheets\ipo sheets_ipo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 11:36:53 AM BY: richard.h.kenn



NO.	DATE	REVISIONS

NO.	DATE	REVISIONS

WATER DETAIL
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
 CHECKED BY: KEW
 APPROVED BY: SWE

HORIZONTAL SCALE: AS NOTED

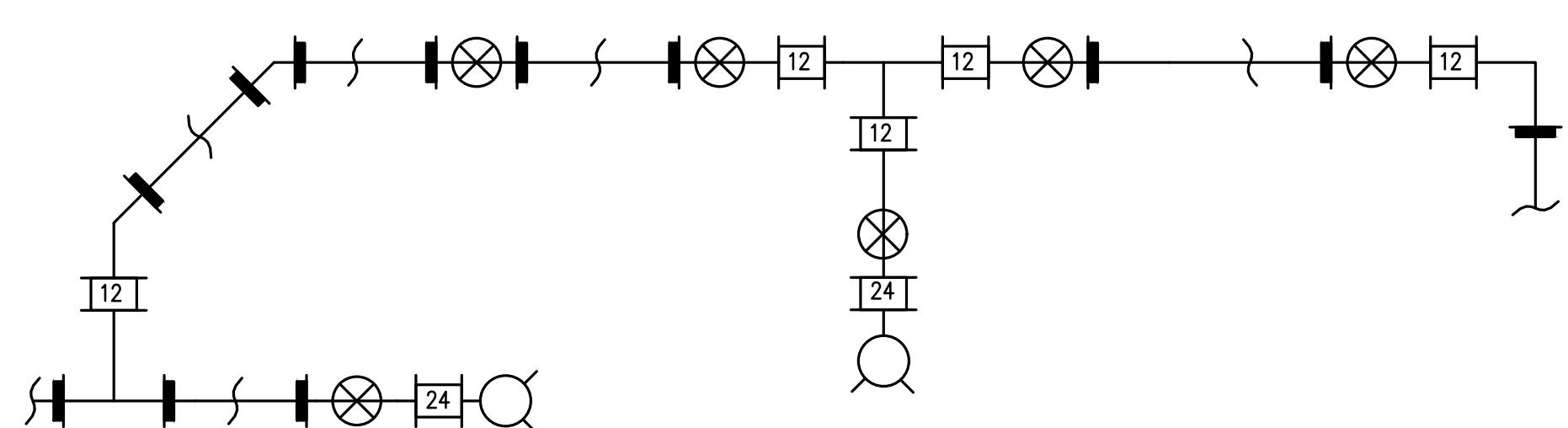
VERTICAL SCALE: N/A

PROJECT NO. 01349-404

DATE: 5/2/24

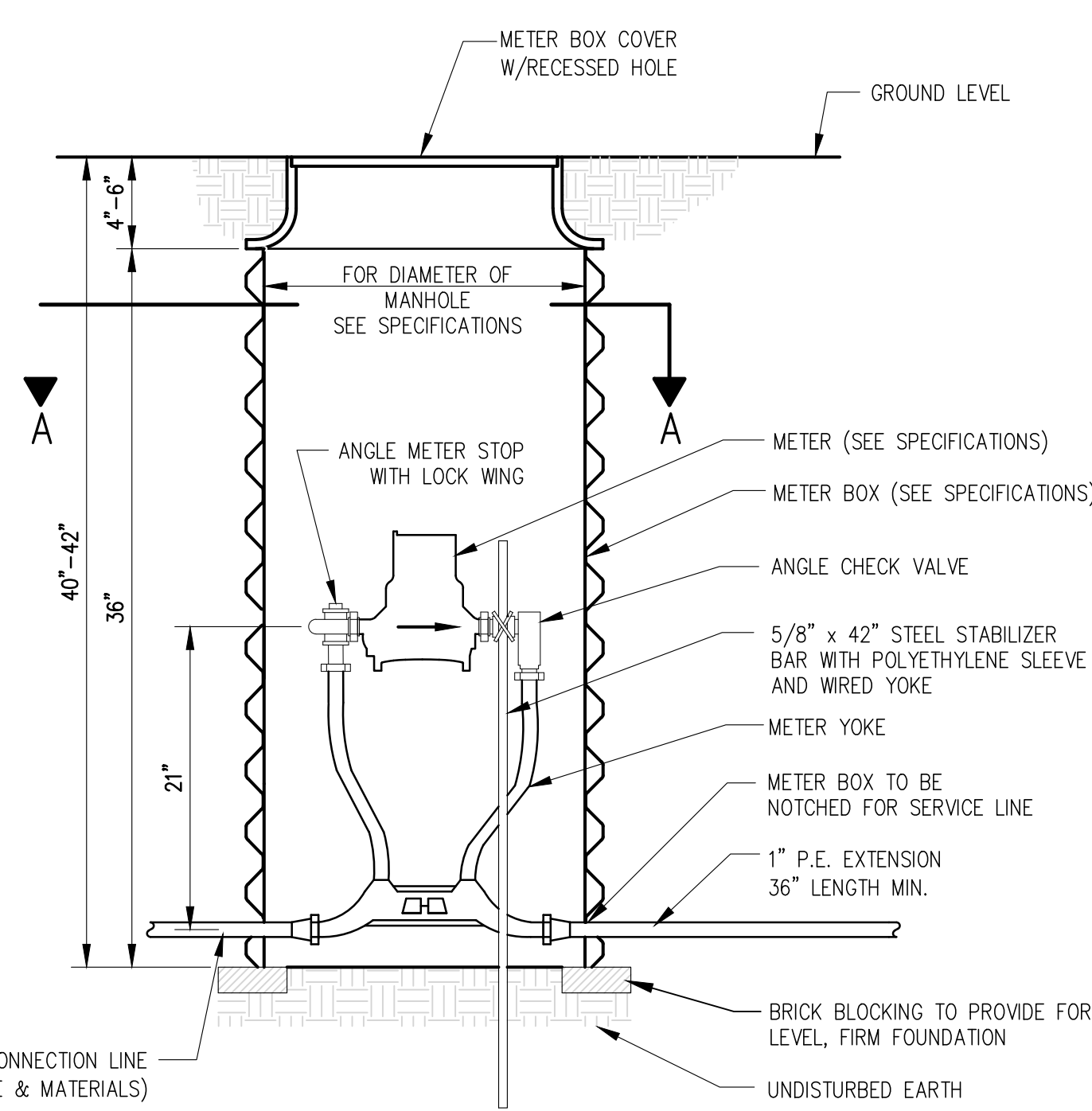
SHEET NO. 44

45 OF 45 SHEETS

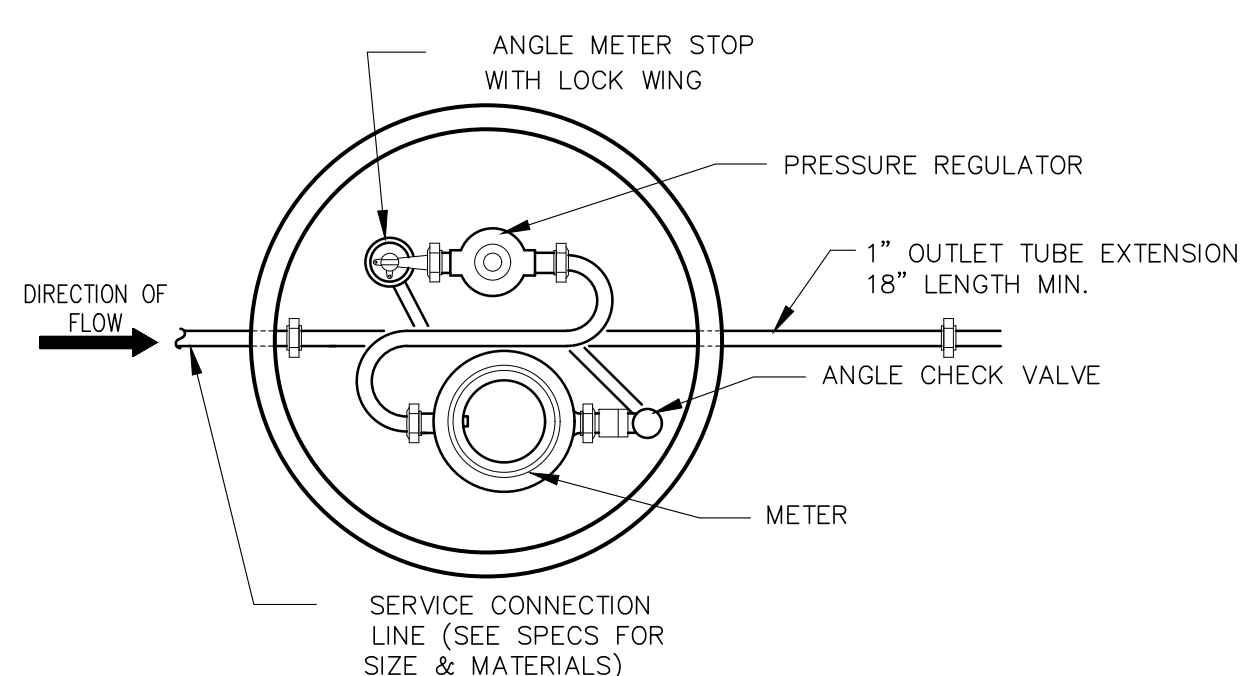


- FLANGE
- UNI-FLANGE JOINT RESTRAINT
- ANCHOR COUPLING WITH MIN LENGTH (INCHES)
- GATE VALVE
- HYDRANT
- WATER MAIN
- TEE FITTING
- DIRECTION CHANGE FITTING
- BREAKLINE

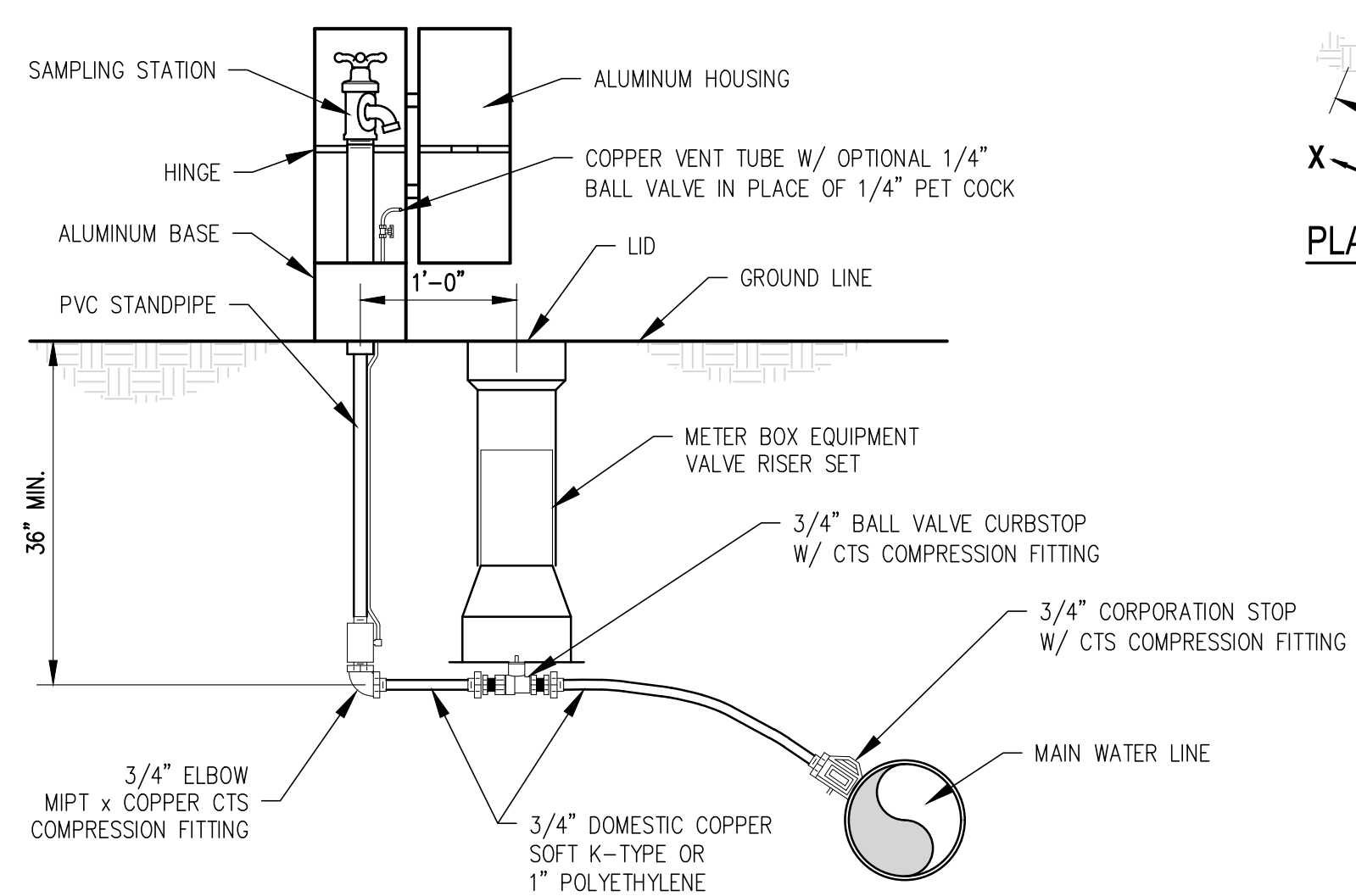
GENERAL FITTING INSTALLATION



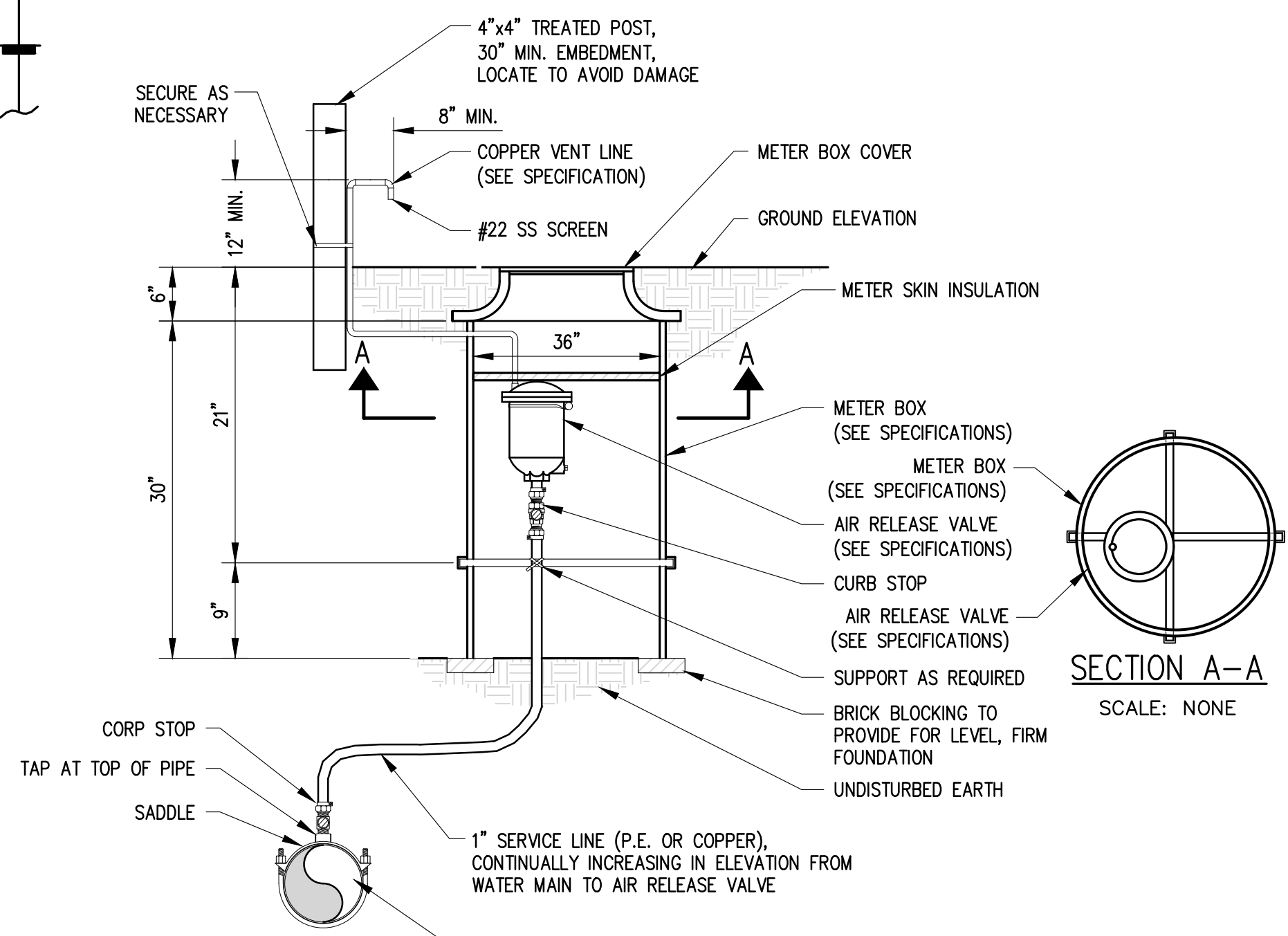
TYPICAL FOR 5/8 x 3/4 SERVICE CONNECTION
SCALE: NONE



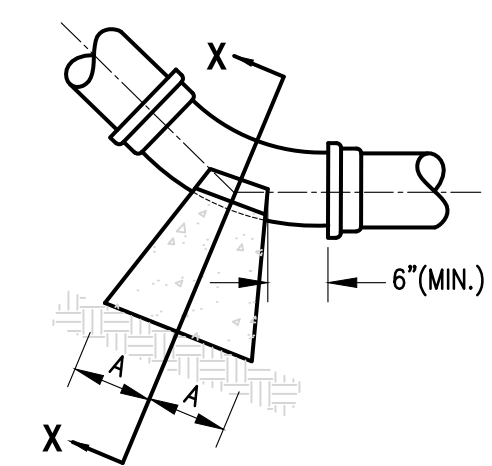
METER W/ REGULATOR SECTION A - A
SCALE: NONE



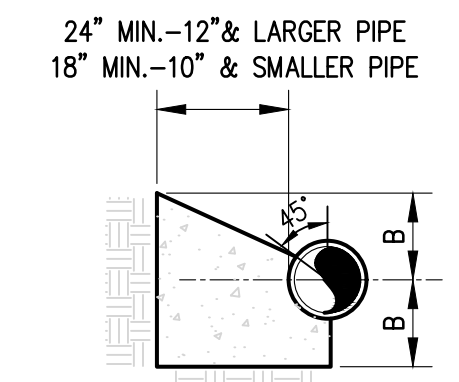
SAMPLING STATION
SCALE: NONE



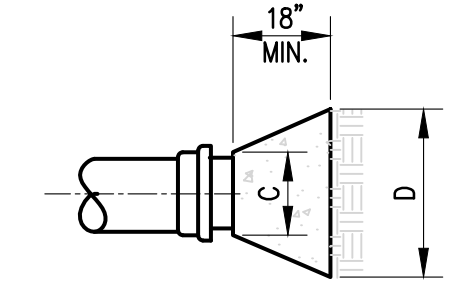
AIR RELEASE VALVE DETAIL
(LOCATE AT HIGH POINTS ON MAIN LINE)
SCALE: NONE



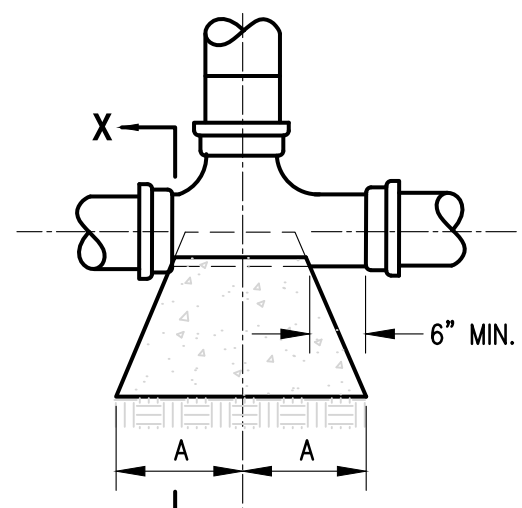
PLAN - ELBOWS



SECTION X - X



PLUG - PLAN & ELEV.



PLAN - TEES

TYPE	SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
		A	B	A	B	A	B	A	B	C	D
TYPE I 2000 PSF SOIL	4"	12"	8"	8"	8"	6"	8"	8"	10"	8"	18"
	6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
	8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"
	10"	26"	17"	14"	17"	10"	13"	16"	20"	14"	36"
	12"	29"	21"	16"	21"	11"	16"	18"	24"	16"	41"
	14"	35"	24"	19"	24"	12"	20"	22"	27"	18"	48"
	16"	38"	27"	21"	27"	12"	24"	24"	30"	20"	54"

NOTE: BASED ON 100 PSI STATIC PRESSURE PLUS A.W.W.A. WATER HAMMER. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.

WATER MAIN THRUST BLOCK DETAILS
SCALE: NONE

PATH: \\ehrd-01m\projects\01349-404\civil\dwg\plan sheets\ipo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:36:58 AM BY: cthomas.kw

NO.	DATE	REVISIONS

NO.	DATE	REVISIONS

WATER DETAIL
WATER MAIN REPLACEMENT
 THE VILLAGE OF MEDORA
 JERSEY/MACOUPIN, ILLINOIS

DRAWN BY: KDN
CHECKED BY: KEW
APPROVED BY: SWE

HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: N/A

PROJECT NO. 01349-404

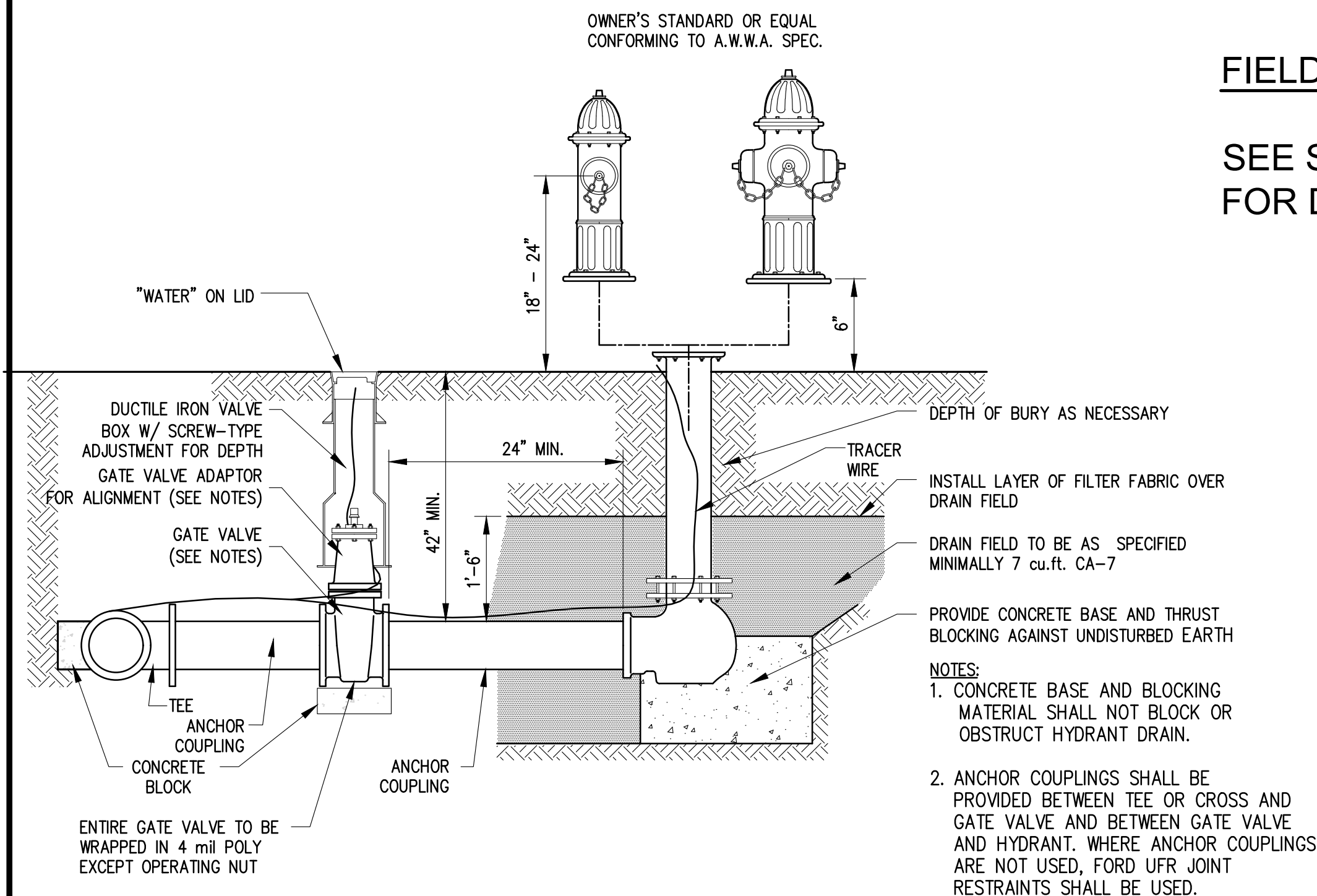
DATE: 5/2/24

SHEET NO. 45

45 OF 45 SHEETS

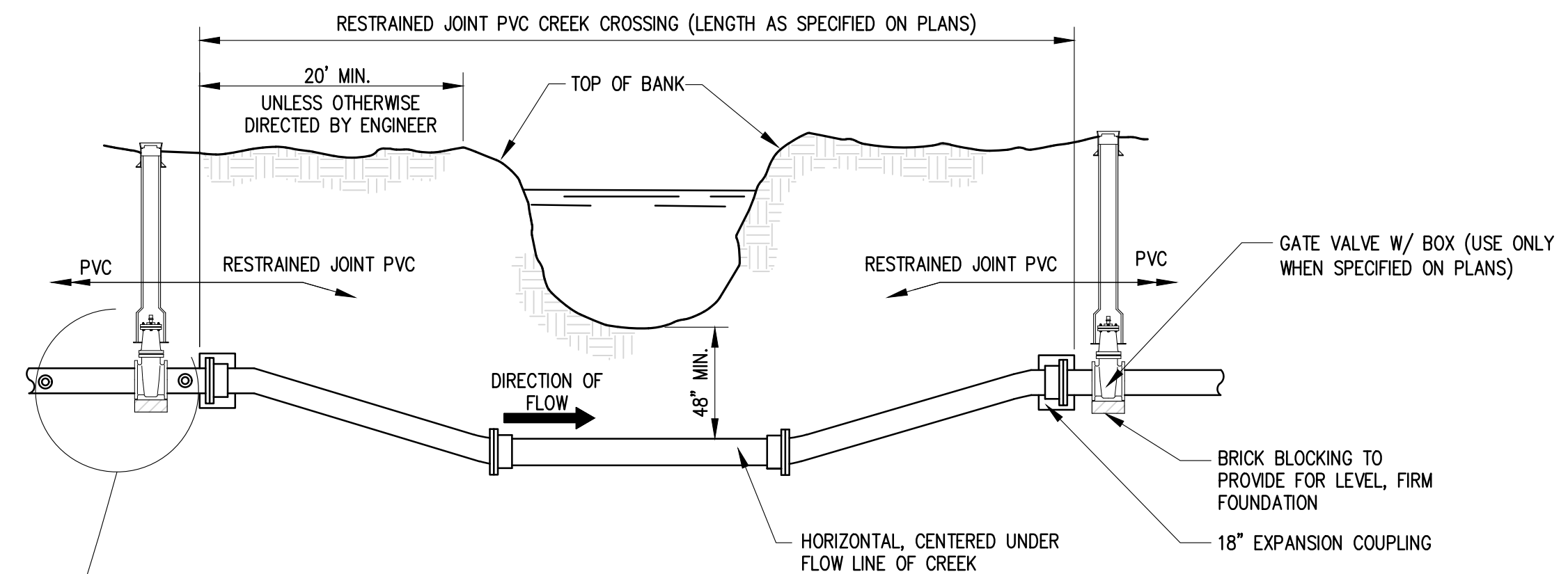
FIELD TILE REPAIR

SEE SPECIFICATION SP-4 AND SP-5
FOR DRAIN TILE REPAIR DETAIL



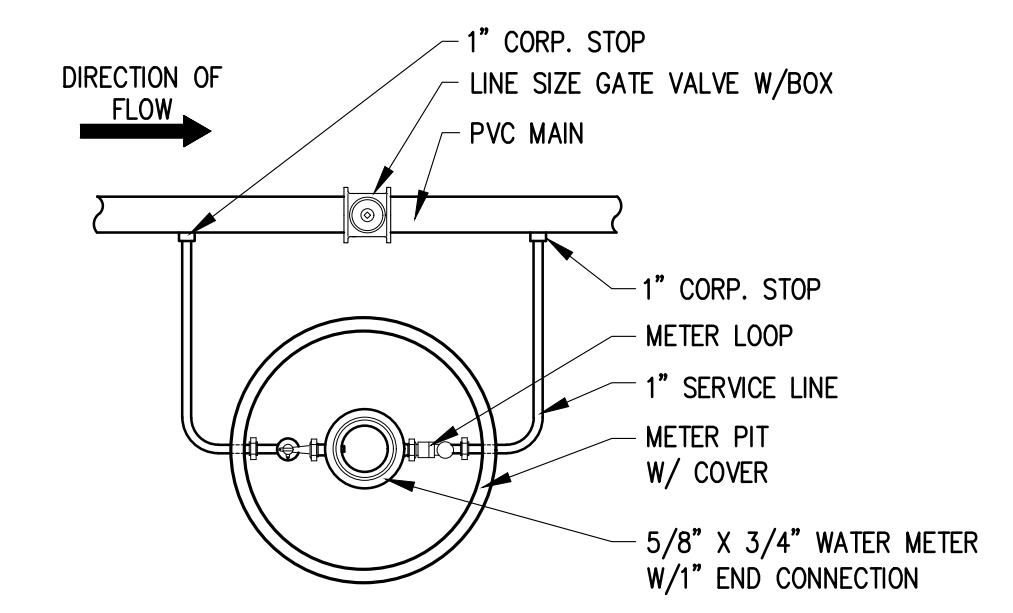
OFFSET HYDRANT & GATE VALVE DETAIL

SCALE: NONE



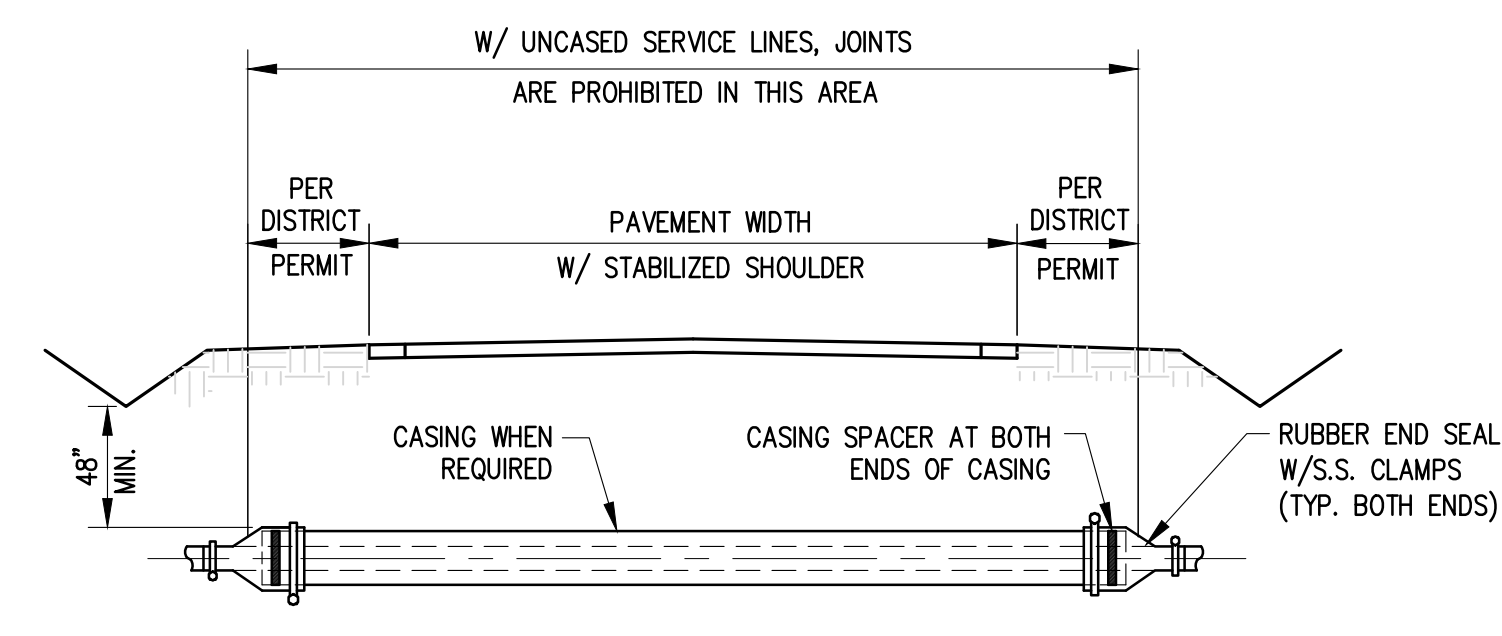
TYPICAL CREEK CROSSING DETAIL

SCALE: NONE



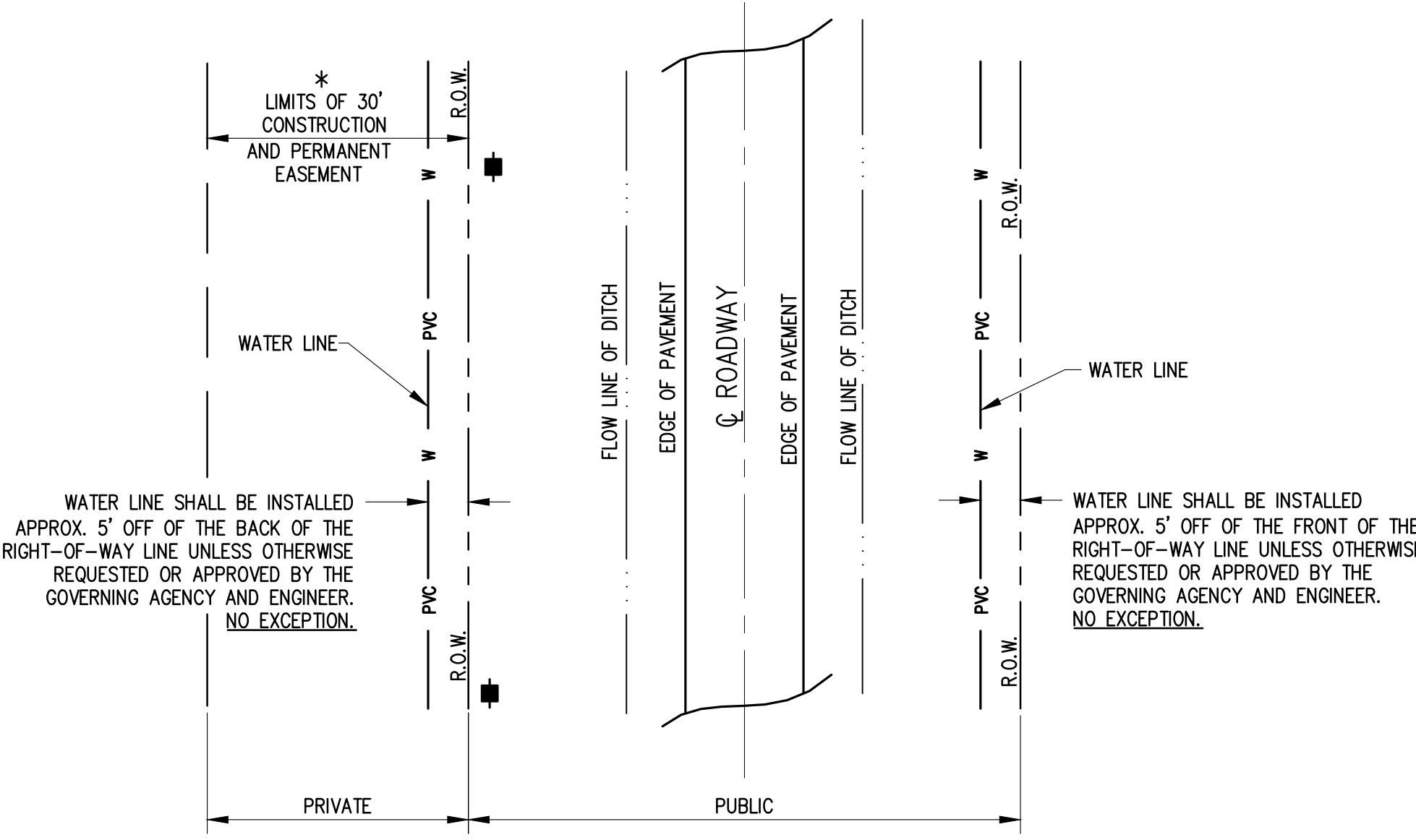
LEAK DETECTOR PLAN

(USE ONLY WHEN SPECIFIED ON PLANS)
SCALE: NONE



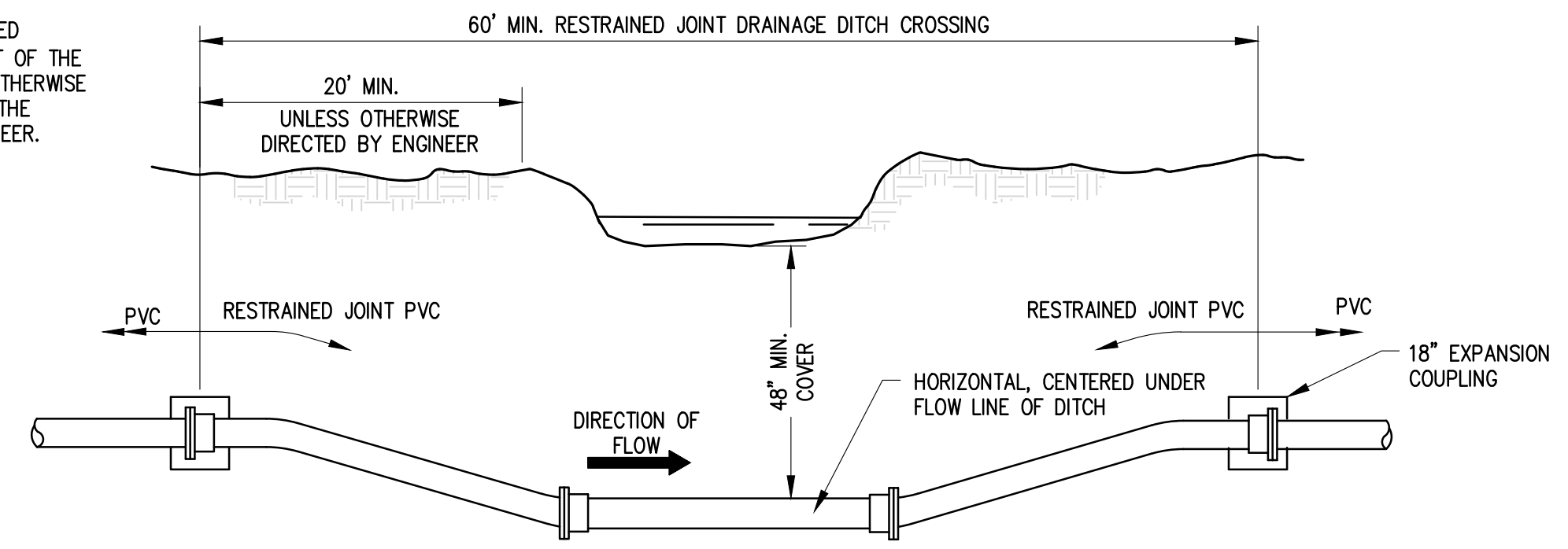
TYPICAL DETAIL OF STATE HIGHWAY CROSSINGS FOR WATER MAINS AND SERVICE LINES

SCALE: NONE



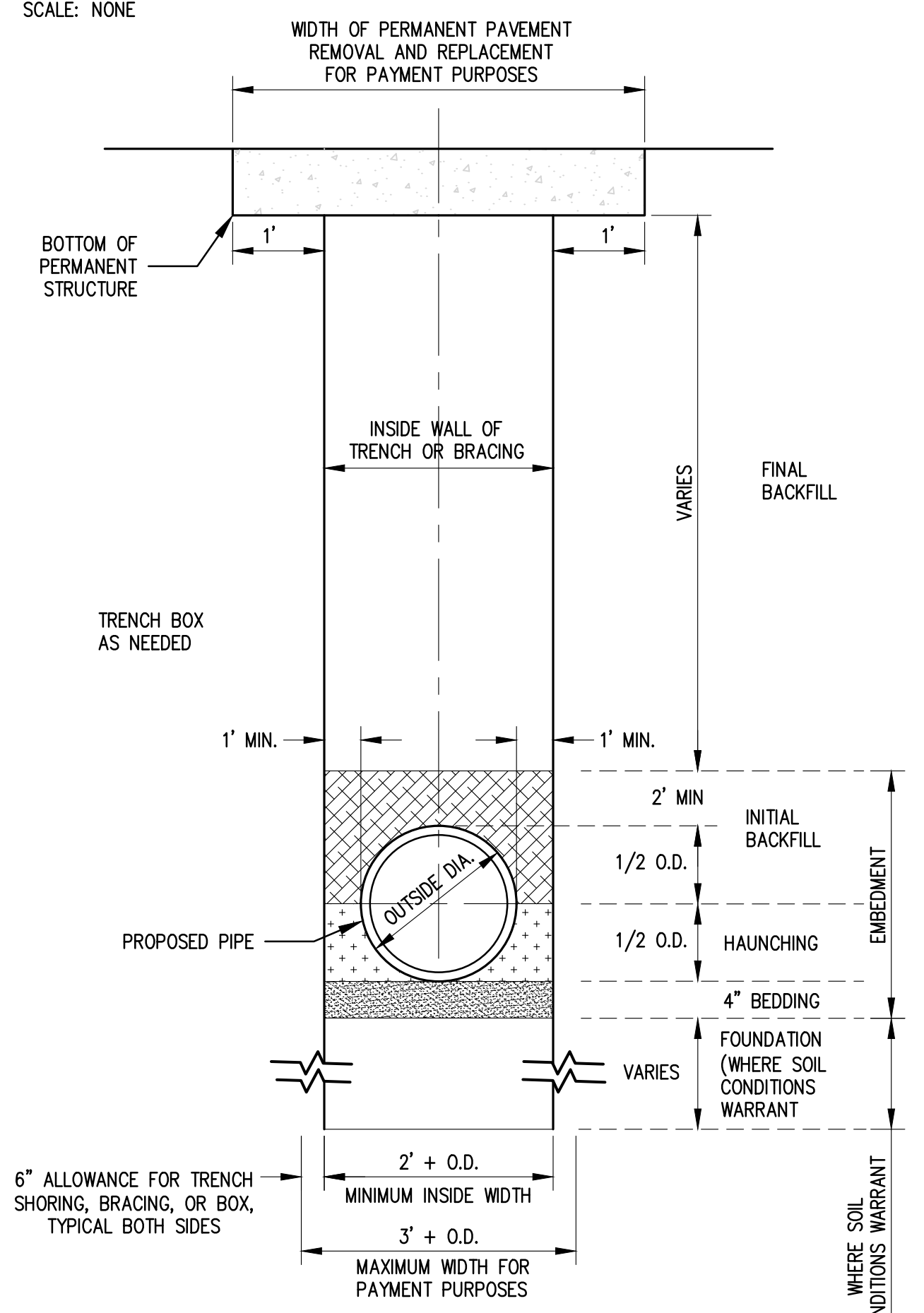
INSTALLATION OF WATER LINE PRIVATE EASEMENT AND STATE, COUNTY, OR TOWNSHIP EASEMENT

SCALE: NONE



TYPICAL DRAINAGE DITCH DETAIL

SCALE: NONE



TYPICAL TRENCH DETAIL

(PER ILLINOIS STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION)

P:\Thea\yehersd-jm\Projects\01349-404\CA\dwg\civil\plan sheets_lepo version 11-16-2022.dwg
 PLOTTED: 5/2/2024 @ 11:39:03 AM BY: chris.hay