

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 DEEP WELLS 2025-1	ST. CLAIR	11	1
* = VARIOUS		ILLINOIS	CONTRACT NO. 76T71	

INDEX OF SHEETS

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- 7 LOCATION NO. 4: SITE PLAN 25TH STREET WELLS
- 8 LOCATION NO. 5: SITE PLAN MISSOURI AVENUE WELLS
- 9 LOCATION NO. 5: WELL HOUSE BUILDING - CAISSON DETAILS
- 10 LOCATION NOS. 1, 2, 3: TYPICAL WELL DETAILS
- 11 LOCATION NO. 4: TYPICAL WELL DETAILS

HIGHWAY STANDARDS

000001-08	701428-01
001006	701601-09
701400-12	701901-09
701401-13	

PROPOSED  
HIGHWAY PLANS

VARIOUS ROUTES  
SECTION DIST 8 DEEP WELLS 2025-1  
WELL TREATMENT  
ST. CLAIR COUNTY

C-98-106-24

D-98-044-24



PLANS PREPARED BY:  
**KLINGNER & ASSOCIATES, P.C.**  
Engineers · Architects · Surveyors

- 616 North 24th Street, Quincy, IL Ph (217)223-3670 - Fax (217)223-3603
  - 4510 Park Gravel Road, Hannibal, MO Ph (573)221-4000 - Fax (573)221-4012
  - 610 N. 4th Street, Suite 100, Burlington, IA Ph (515)753-1656 - Fax (515)752-3026
  - 48 North Prairie Street, Galena, IL Ph (309)341-3781
  - 604 Liberty Street, Suite 125, Peoria, IA Ph (315)612-7402
  - 807 East Ash Street, Columbia, MO Ph (573)355-5988
  - 2150 West Main Street, Carbondale, IL Ph (618)331-4050
- Internet Address: www.klingner.com  
STATE OF ILLINOIS DESIGN FIRM # 1842738

LOCATION #1: TRI-LEVEL WELLS  
(38°38'00"N, 90°8'35"W)

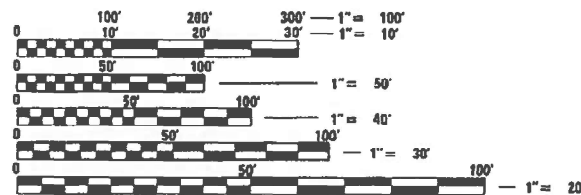
LOCATION #3: 15TH STREET WELLS  
(38°37'40"N, 90°8'24"W)



LOCATION #4: 25TH STREET WELLS  
(38°37'17"N, 90°7'26"W)

LOCATION #2: 10TH STREET WELLS  
(38°37'51"N, 90°8'35"W)

LOCATION #5: MISSOURI AVENUE WELLS  
(38°37'43"N, 90°9'44"W)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 611

PROJECT ENGINEER RICHARD BARBEE  
PROJECT MANAGER PHILLIP SAWYER

CONTRACT NO. 76T71

**AARON M. SCHAFER**  
062-065354  
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
AARON M. SCHAFER  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF ILLINOIS NO. 062-065354  
LICENSE EXPIRES NOVEMBER 30, 2025

5/21/24  
DATE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 26, 2024  
[Signature]  
REGIONAL ENGINEER

August 16, 2024  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

August 16, 2024  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS



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CODE NO.	ITEM	UNIT	100% STATE TOTAL QUANTITY	CONSTRUCTION CODE				
				LOCATION 1	LOCATION 2	LOCATION 3	LOCATION 4	LOCATION 5
				TRI-LEVEL	10TH STREET	15TH STREET	25TH STREET	MISSOURI AVENUE
				ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY
0044	0044	0044	0044	0044				
URBAN	URBAN	URBAN	URBAN	URBAN				
67100100	MOBILIZATION	L SUM	1	0.20	0.20	0.20	0.20	0.20
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.5		0.5		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1				1	
X0300358	ADDITIONAL TREATMENT NO. 1	EACH	10	4	2	3	1	
X0300359	ADDITIONAL TREATMENT NO. 2	EACH	10	4	2	3	1	
X0325850	SONAR-JET TREATMENT	EACH	2		1		1	
X0943700	WELL CHEMICAL TREATMENT	EACH	8	4	1	3		
X1200211	DEEP WELL VIDEO INSPECTION	L SUM	1					1

\* SPECIALTY ITEM

REV - MS



USER NAME = aschafer	DESIGNED AMS	REVISED -
P LOTS SCALE = 100,0000' / in.	DRAWN AMS	REVISED -
P LOT DATE = 5/2 21	CHECKED EBB	REVISED -
	DATE 7/11/2022	REVISED -

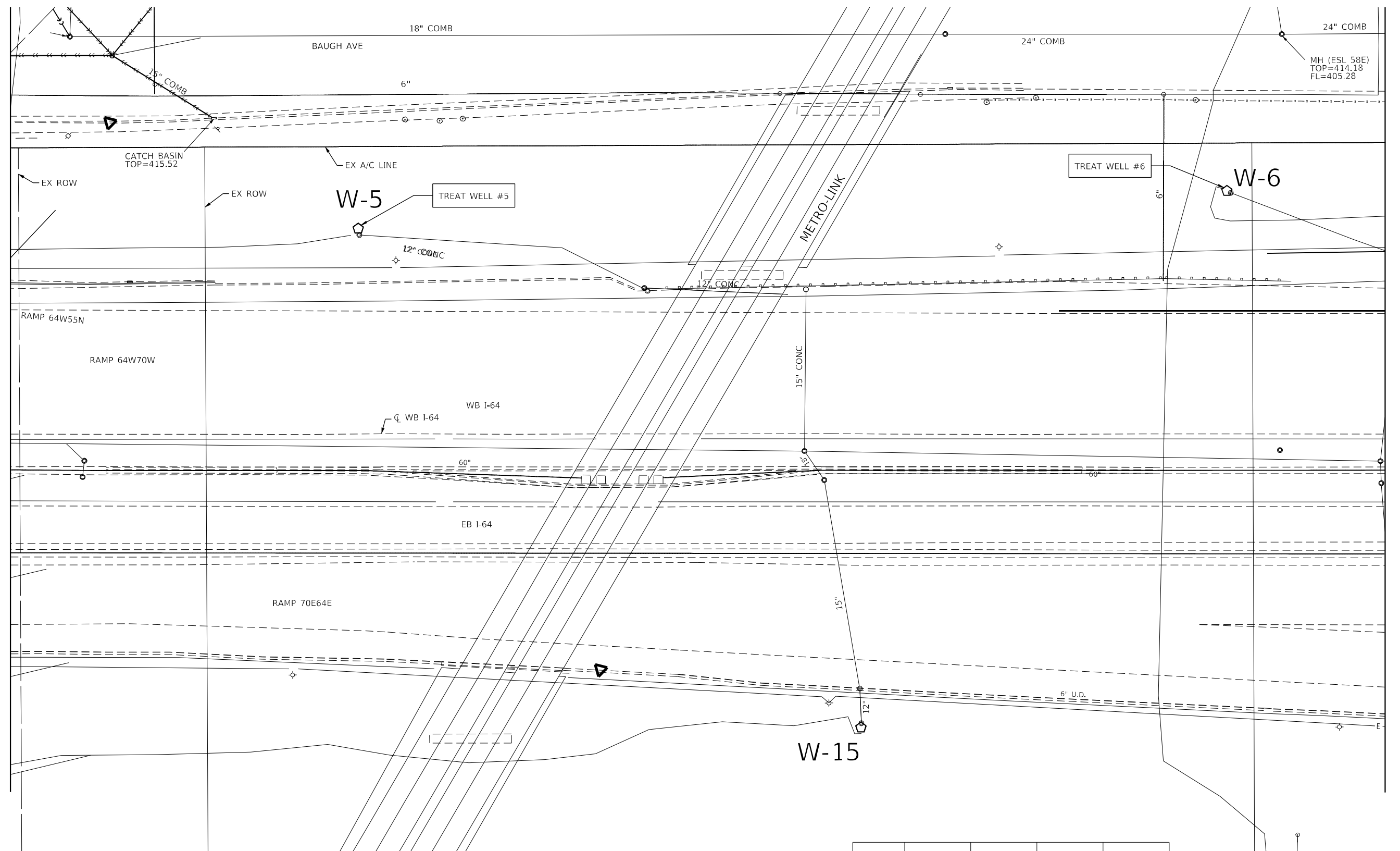
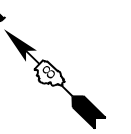
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 DEEP WELLS 2025-1	ST. CLAIR	11	3
* VARIOUS			CONTRACT NO. 76T71	
ILLINOIS		FED. AID PROJECT		



SUPPLY WATER  
WELLS #7



LOCATION	ADDITIONAL TREATMENT NO. 1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT	SONAR JET TREATMENT
WELL #5	1	1		1
WELL #6	1	1	1	



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**KLINGNER & ASSOCIATES, P.C.**  
Engineers • Architects • Surveyors  
616 N. 24TH ST. QUINCY ILLINOIS 62301 217.223.3670  
STATE OF ILLINOIS DESIGN FIRM NO. 164-2738

USER NAME = aschafer  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

DESIGNED -  
DRAWN -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

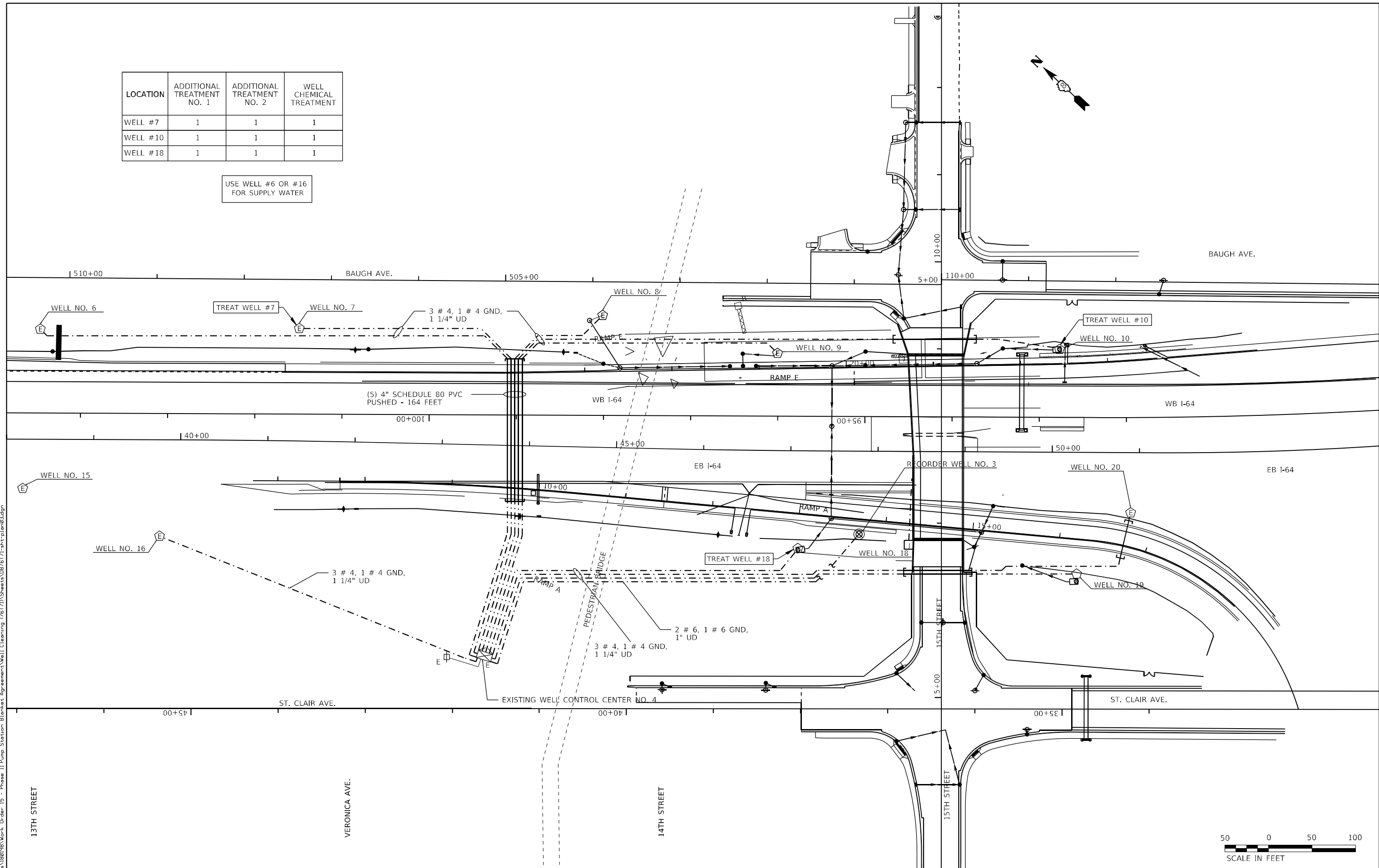
LOCATION NO. 2: SITE PLAN  
10TH STREET WELLS

SCALE: 1" = 20' SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 DEEP WELLS 2025-1	ST. CLAIR	11	5
* VARIOUS	CONTRACT NO. 76T71			
ILLINOIS FED. AID PROJECT				

LOCATION	ADDITIONAL TREATMENT NO. 1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT
WELL #7	1	1	1
WELL #10	1	1	1
WELL #18	1	1	1

USE WELL #6 OR #16 FOR SUPPLY WATER



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 616 N. 24TH ST. QUINCY, ILLINOIS 62301 217.223.3670  
 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

USER NAME = aschafer	DESIGNED AMS	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN AMS	REVISED -
DATE = 5/21/2024	CHECKED EBB	REVISED -
	DATE 7/11/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LOCATION NO. 3: SITE PLAN  
 15TH STREET WELLS  
 SCALE: 1" = 50'  
 SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 DEEP WELLS 2025-1	ST. CLAIR	11	6
* VARIOUS	CONTRACT NO. 76T71			
ILLINOIS FED. AID PROJECT				

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CENTER OF HORIZONTAL COLLECTOR WELL  
 STA 11+46.57 80.39' RT (2ND STREET) =  
 STA 4+40.00 134.19' RT (MISSOURI AVE) =  
 STA 120+74.00 202.03' LT (ROADWAY B) =  
 N 14,039,991.810 E 2,450,767.590

N 38.62847222  
 E -90.16277778

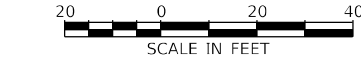
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 E 2,450,590.31

N 14,039,740.84  
 E 2,450,707.78

N 14,039,811.64  
 E 2,450,821.29

N 14,039,869.50  
 E 2,450,896.91

N 14,039,921.16  
 E 2,450,952.56



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 STATE OF ILLINOIS DESIGN FIRM NO. 164-2738

USER NAME = aschaefer	DESIGNED AMS	REVISIONS
PLOT SCALE = 100,0000' / in.	DRAWN AMS	REVISIONS
PLOT DATE = 5/21/2024	CHECKED EBB	REVISIONS
	DATE 7/11/2022	REVISIONS

DESIGNED AMS	REVISIONS
DRAWN AMS	REVISIONS
CHECKED EBB	REVISIONS
DATE 7/11/2022	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

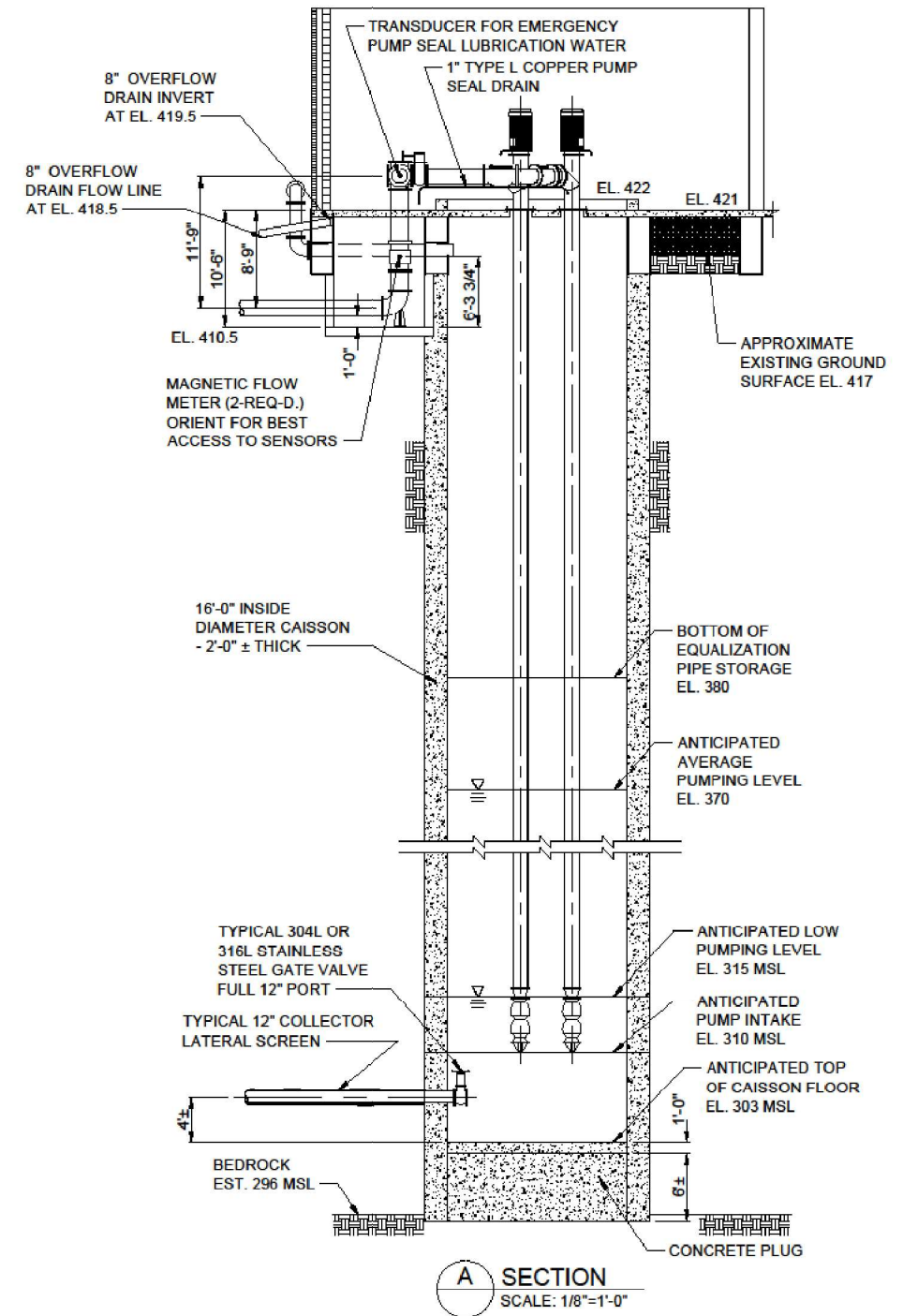
LOCATION NO. 5: SITE PLAN  
 MISSOURI AVENUE WELLS

SCALE: 1" = 20' SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 DEEP WELLS 2025-1	ST. CLAIR	11	8
* VARIOUS			CONTRACT NO. 76771	
ILLINOIS		FED. AID PROJECT		



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 STATE OF ILLINOIS DESIGN FIRM NO. 164-2738

USER NAME = aschafer	DESIGNED AMS	REVISED -
	DRAWN AMS	REVISED -
PLOT SCALE = 100,0283' / in.	CHECKED EBB	REVISED -
PLOT DATE = 3/25/2024	DATE 7/11/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LOCATION NO. 5:  
 WELL HOUSE BUILDING - CAISSON DETAILS

SCALE: NONE SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 DEEP WELLS 2025-1	ST. CLAIR	11	9
* VARIOUS			CONTRACT NO. 76T71	
ILLINOIS FED. AID PROJECT				



