09-17-2021 LETTING ITEM 041

INDEX OF SHEETS

- COVER SHEET AND STANDARDS
- GENERAL NOTES, COMMITMENTS, AND ADT
- SUMMARY OF QUANTITIES
- LOCATION NO. 1: SITEPLAN TRI-LEVEL WELLS
- LOCATION NO. 2: SITEPLAN 10TH STREET WELLS
- LOCATION NO. 3: SITEPLAN 15TH STREET WELLS
- LOCATION NO. 4: SITEPLAN 25TH STREET WELLS
- 8 LOCATION NO. 5: SITEPLAN MISSOURI AVENUE WELLS
- LOCATION NO. 5: WELL HOUSE BUILDING CAISSON DETAILS
- LOCATION NOS. 1, 2, 3: TYPICAL WELL DETAILS 11 LOCATION NO. 4: TYPICAL WELL DETAILS

HIGHWAY STANDARDS

000001-08

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701101-05 701106-02

701400-10 701401-12

701428-01

701601-09

701901-08



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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER CHERYL KEPLAR PROJECT MANAGER PHILLIP SAWYER 618-346-3175 618-346-3275

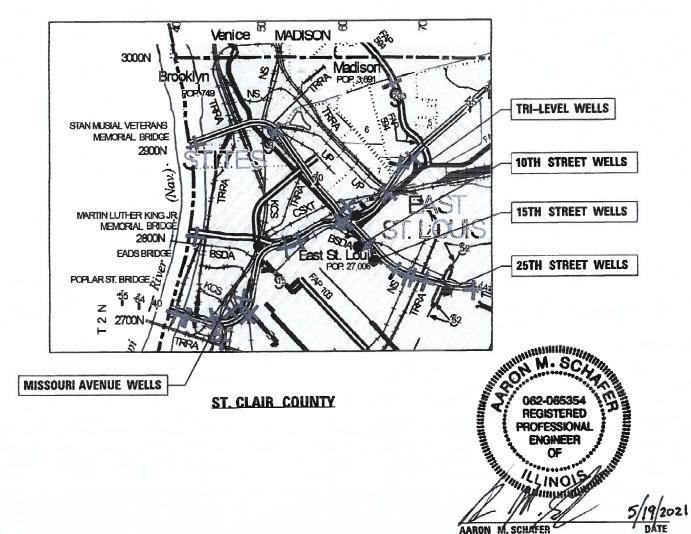
CONTRACT NO. 76P31

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES SECTION DIST 8 DEEP WELLS 2022–1 WELL TREATMENT ST. CLAIR COUNTY

C-98-067-21



REGISTERED PROFESSIONAL ENGINEER

LICENSE EXPIRES NOVEMBER 30, 2021

STATE OF ILLINOIS NO. 062-065354

SECTION 4 DIST 8 DEEP WELLS 2022-1 ST. CLAIR 11 1 ILLINOIS CONTRACT NO. 76P31 * = VARIOUS

D-98-037-21



& ASSOCIATES. P.C.

Engineers · Architects · Surveyors

616 North 24th Street, Cluincy, It.

4510 Paris Gravel Road, Hannibal, MO
610 N. 4th Street, Suite 100, Bullington, V
49 North Prathire Street, Galesburg, It.

604 Libedy Street, Suite 125, Pella, MO
907 East Ash Street, Columbia, MO

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

- 1. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.
- 2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (1-800-892-0123 OR 811) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.
- 3. ALL WELLS REQUIRE SEALING OF MISCELLANEOUS OPENINGS IN THE WELL HEAD TO PREVENT LEAKAGE DURING TREATMENT OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN COST OF THE SPECIFIED TREATMENT METHODS.
- 4. THE DEPARTMENT RESERVES THE RIGHT TO NOTIFY THE CONTRACTOR TO CHANGE THE SEQUENCE OF WELL CLEANING IF NEEDED TO ENSURE PROPER DEWATERING NEEDS FOR THE DEPARTMENT. THE CONTRACTOR SHALL ALLOW 24 HOURS BETWEEN WELL TREATMENTS. THE CONTRACTOR SHALL INSTALL THE TEMPORARY DISCHARGE PIPES BACK INTO THE WELL DISCHARGE PIPES. ALL DISCHARGE WATER SHALL BE DISCHARGED INTO THE WELL FORCE MAINS.
- THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

COMMITMENTS NONE FUNCTIONAL CLASSIFICATION: URBAN MINOR ARTERIAL

LOCATION 1 NB/SB: 2020 ADT = 6500 S.U.=13.0% M.U.=7.9% LOCATION 2 SB: 2020 ADT = 34900 S.U.=3.7% M.U.=11.1% NB: 2020 ADT = 35400 S.U.=3.5% M.U.=10.4%

LOCATION 3
WB RAMP: 2020 ADT = 30000
S.U.=2.2% M.U.=7.3%
EB RAMP: 2020 ADT = 30000
S.U.=2.2% M.U.=7.3%

LOCATION 4 NB/SB: 2020 ADT = 7400 S.U.=4.1% M.U.=2.9%

[80]98\Work Order 06 - Phase II Pump Station Blanket Agreement\Well Treatment\76P31-2022\Sheets\0876P33

& ASSOCIATES, P.C.
Engineers - Architects - Surveyors
16 N24TH ST. CUNCY, LUNOIS 62301 217.223.3670
STATE OF LUNOS DESIGN FRIM NO. 184-2738

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 PLOT SCALE
 = 100,0000 ' / in.
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 PLOT DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

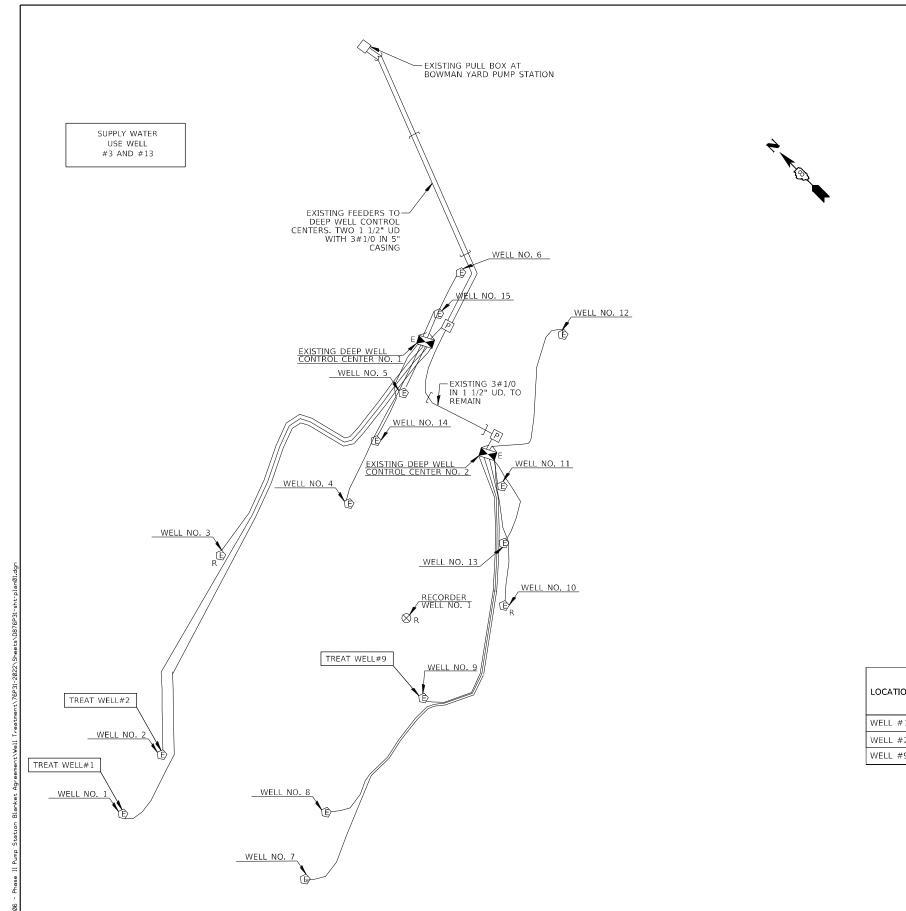
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				LOCATION 1	LOCATION 3	CONSTRUC	TION CODE	LOCATION F	
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70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.25	0.25	0.25	0.25		
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70102630	TRACEIC CONTROL AND PROTECTION CTANDARD 701001	L SUM	1				1		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1				1		
X0300358	ADDITIONAL TREATMENT NO. 1	EACH	10	3	2	3	2		
		1							
		1							
X0300359	ADDITIONAL TREATMENT NO. 2	EACH	10	3	2	3	2		
		1							
V0225050	CONAD JET TREATMENT	FACIL	2			1	1		
X0325850	SONAR-JET TREATMENT	EACH	2			1	1		
X0943700	WELL CHEMICAL TREATMENT	EACH	8	3	2	2	1		
70343700	WELL CHEMICAL INCAMENT	LACIT	0		-		•		
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186	Engineers • Architects • Surveyors
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LOCATION	ADDITIONAL TREATMENT NO. 1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT	SONAR JET TREATMENT	WELL CHEMICAL TREATMENT SPECIAL
WELL #1	Х	Х	Х		
WELL #2	Х	Х	Х		
WELL #9	X	Х	Х		

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ASSOCIATES, P.C.

Engineers · Architects · Surveyors
of n24H st. culvoy. ILLINOS 62901 217223.3670

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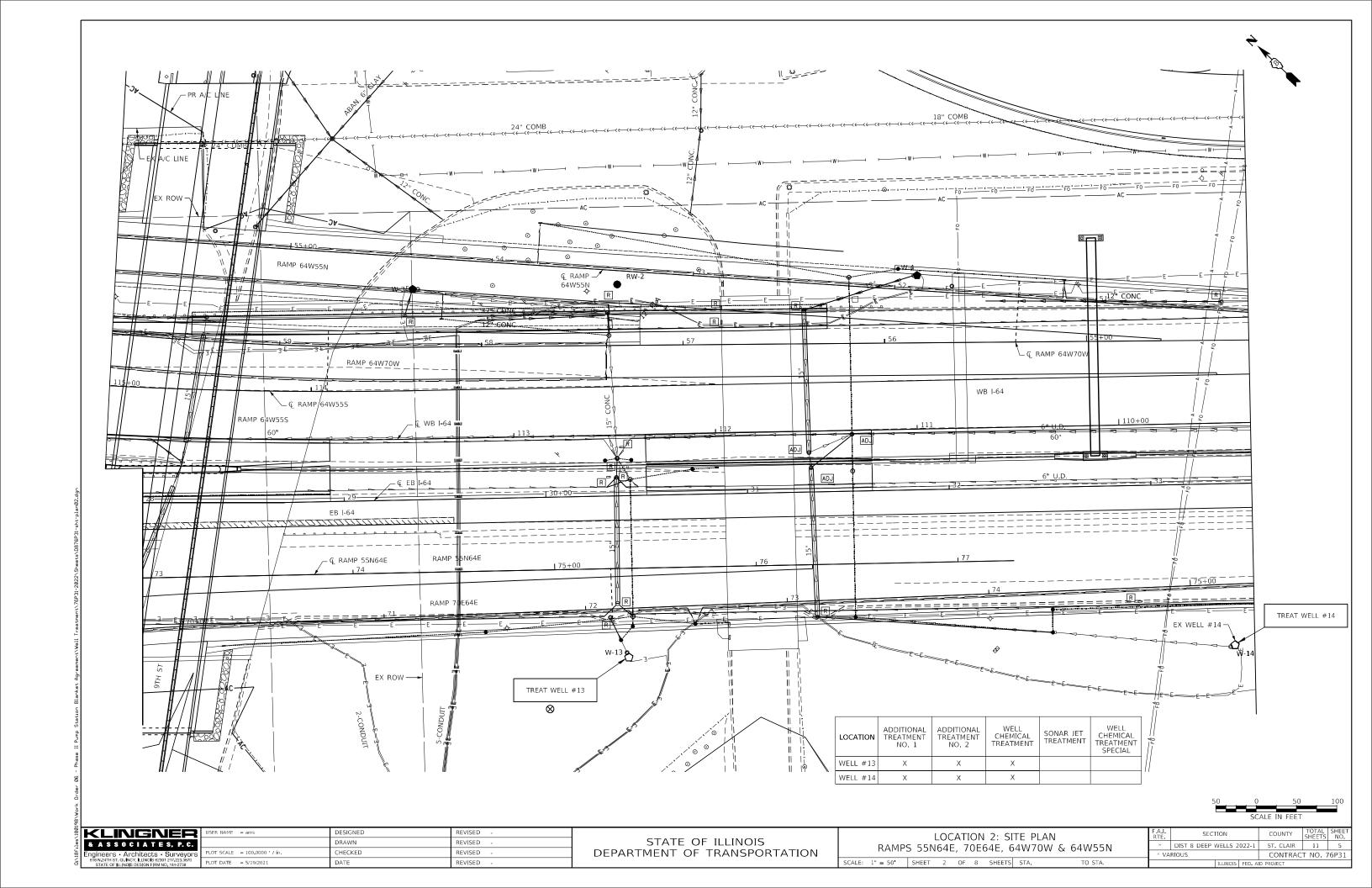
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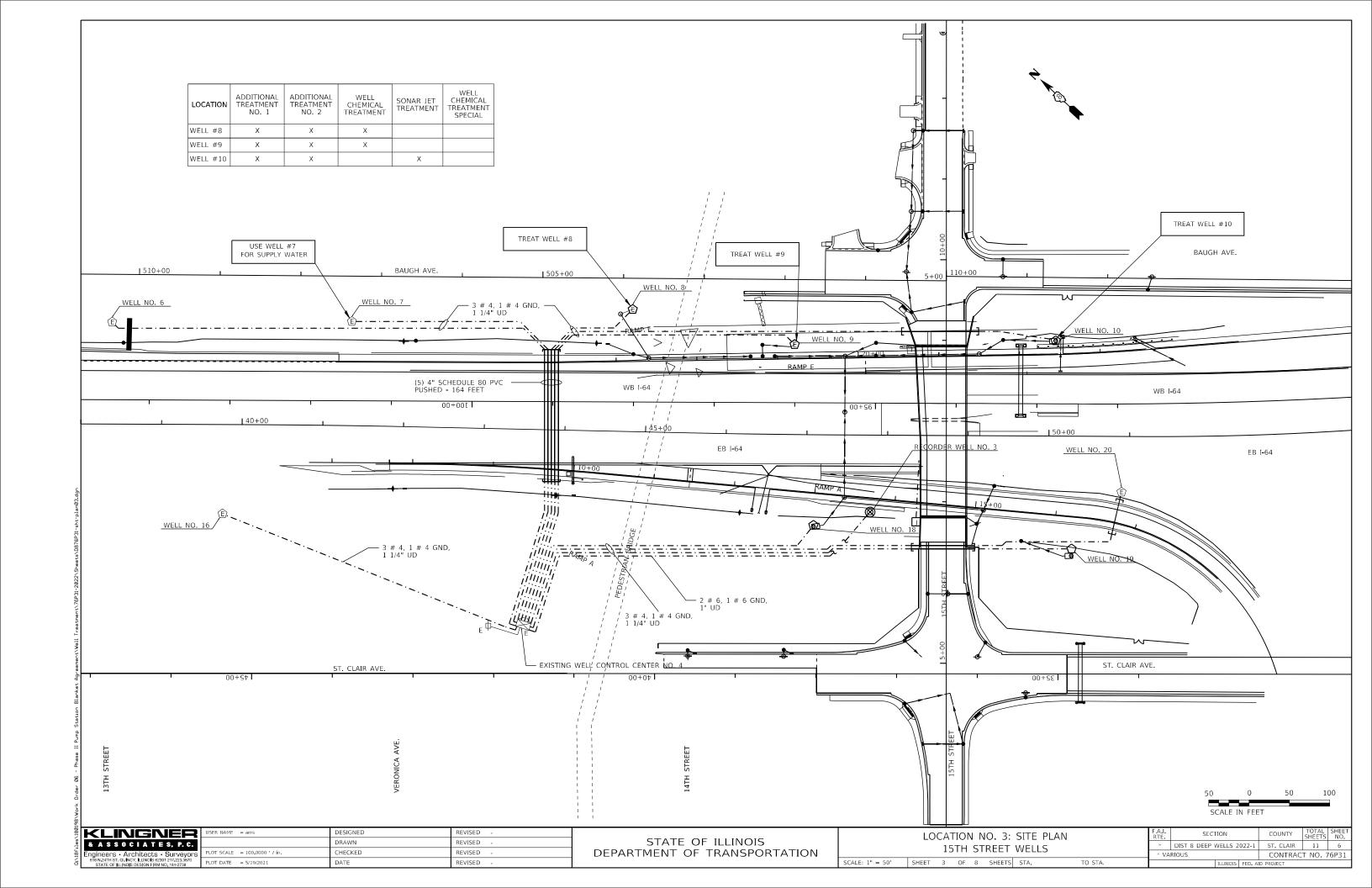
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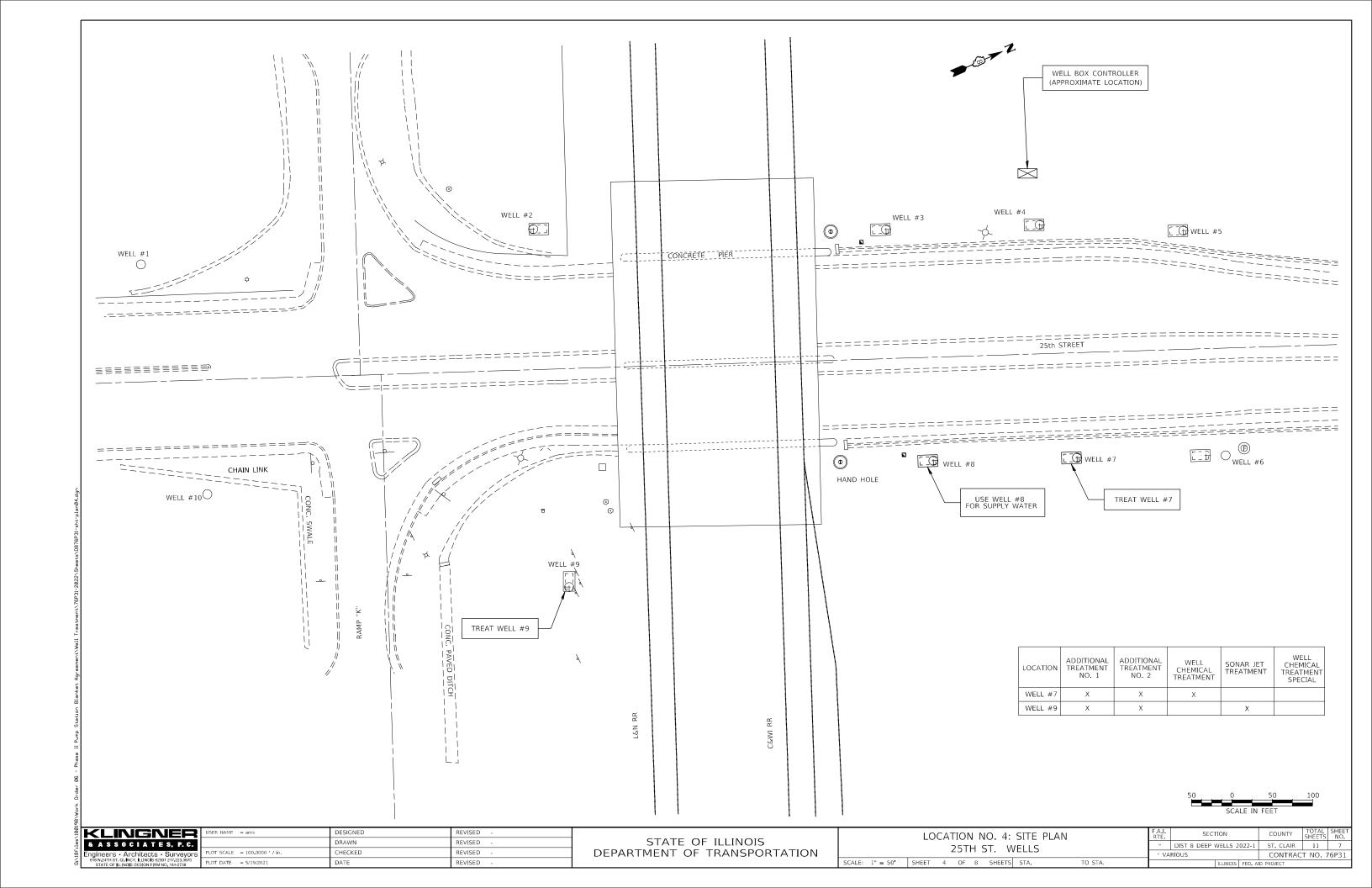
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION LOCATION NO. 1: SITE PLAN

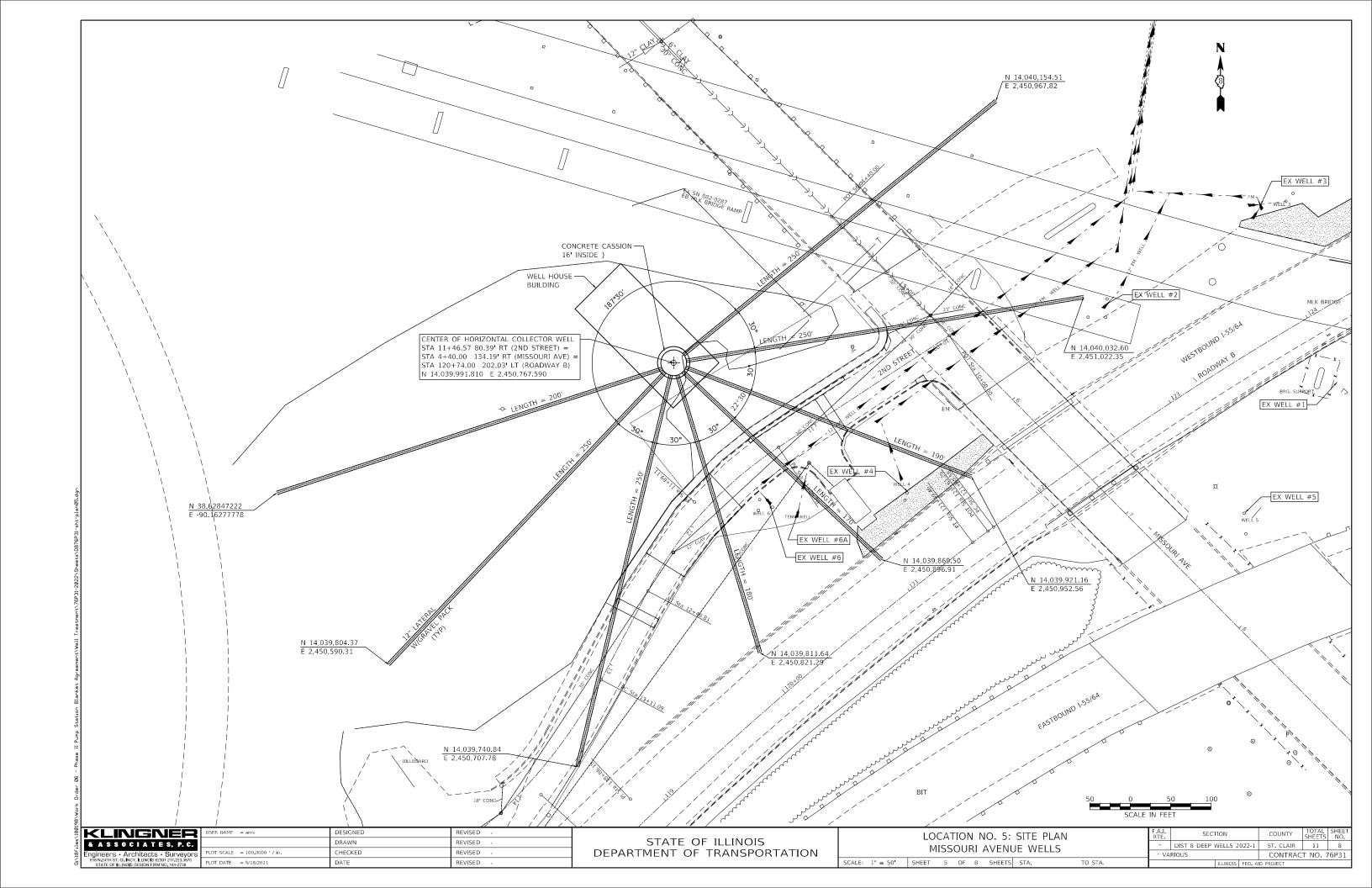
TRI-LEVEL WELLS

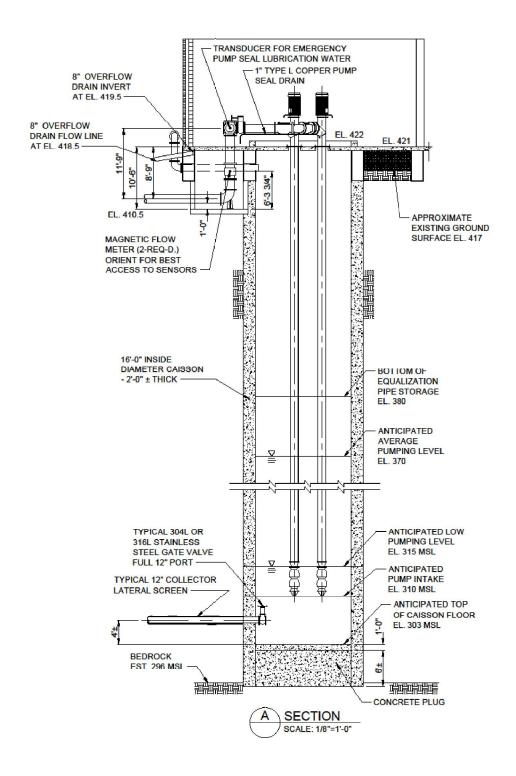
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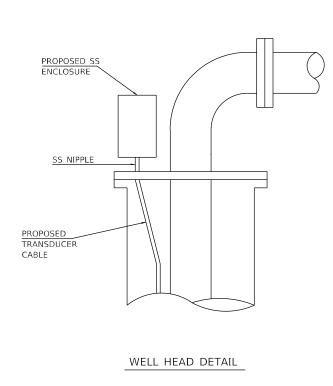
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2	& ASSOCIATES, P.C.
	Engineers • Architects • Surveyors 616 N.24TH ST. QUINCY, ILLINOIS 62301 217.223.3670 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738
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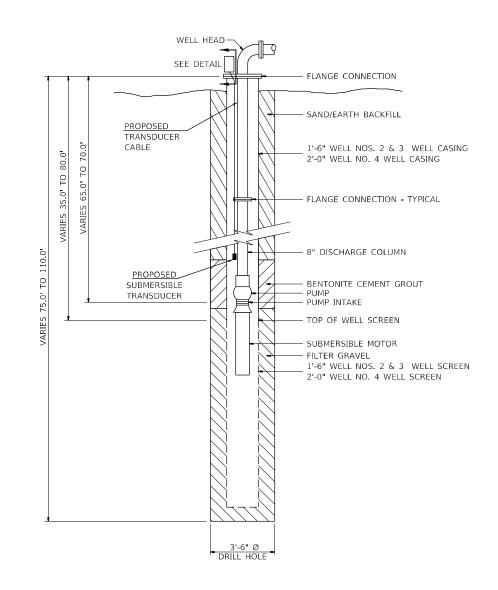
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STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	l

l	LOCATION NO 5								F.A.I. SECTION				COUNTY	TOTAL SHEETS	SHEET NO.
ı	WELL HOUSE BUILDING - CAISSON DETAILS							*	DIST 8 DEEP	WELLS 20	022-1	ST. CLAIR	11	9	
l								* VA	* VARIOUS			CONTRACT NO. 76P31			
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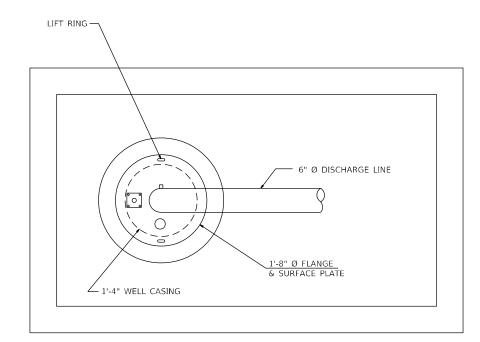
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ASSOCIATES, P.C.
Engineers · Architects · Surveyors
610 N24TH ST. OLINOY, ELLINOS 62301 217.223,3670
STATE OF LINOIS 05201 FPM NO. 186-2738

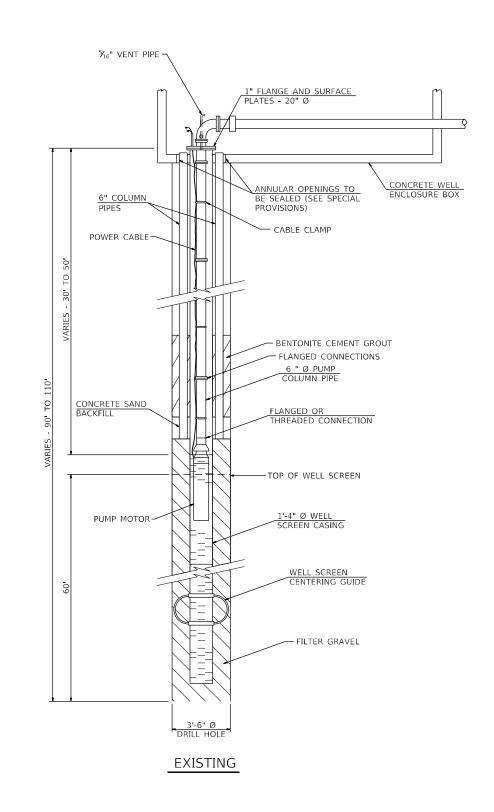
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATIONS NOS. 1,2,3 TYPICAL WELL DETAILS							
SCALE: NONE	SHEET	7	OF	8	SHEETS	STA.	TO STA.



WELL HEAD DETAIL



& ASSOCIATES, P.C. Engineers • Architects • Surveyors e16 n24714 7. aunor, Lulvois e2301 217.223.5870 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738	1001	KLINGNER	Г
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

			F.A.I. RTE	SECTION	
TYPICAL WELL DETAILS			×	DIST 8 DEEP WELLS 2	022-1
			* VARIOUS		
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COUNTY ST. CLAIR 11 11 CONTRACT NO. 76P31