### 06-11-2021 LETTING ITEM 247

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- GENERAL NOTES

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- 3 SUMMARY OF QUANTITIES
- 4 LOCATION NO. 1: SITEPLAN TRI-LEVEL WELLS
- 5 LOCATION NO. 2: SITEPLAN 10TH STREET WELLS
- 6 LOCATION NO. 3: SITEPLAN 15TH STREET WELLS
- 7 LOCATION NO. 4: SITEPLAN 25TH STREET WELLS 8 LOCATION NO. 5: SITEPLAN MISSOURI AVENUE WELLS
- 9 LOCATION NO. 5: WELL HOUSE BUILDING CAISSON DETAILS
- 10 LOCATION NOS. 1, 2, 3: TYPICAL WELL DETAILS
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### **HIGHWAY STANDARDS**

000001-08 001006

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.

J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER HERVE GELIN PROJECT MANAGER PHILLIP SAWYER

618-346-3275

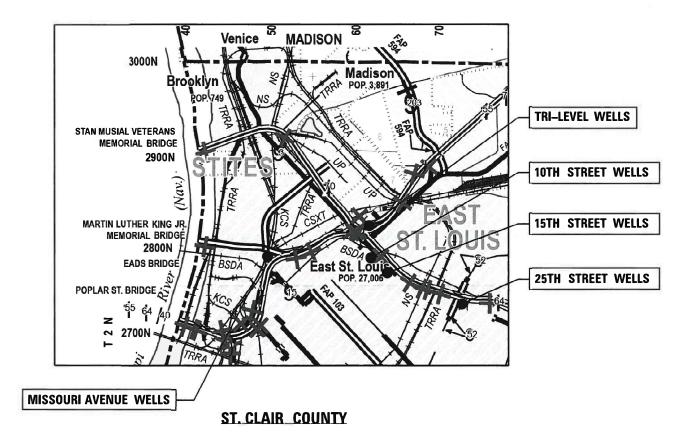
618-346-3175

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

# **PROPOSED** HIGHWAY PLANS

**VARIOUS ROUTES SECTION DIST 8 DEEP WELLS 2021–1** WELL TREATMENT ST. CLAIR COUNTY

C-98-111-19



## & ASSOCIATES, P.C.

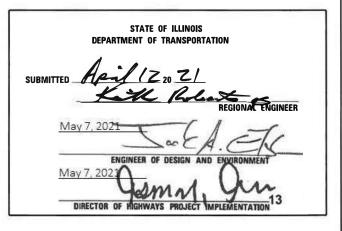
Engineers · Architects · Surveyors 616 North 24th Street, Quincy, IL
4510 Paris Gravel Road, Hannibal, MO
610 N. 4th Street, Suite 100, Burlington, IA 49 North Prairie Street. Galesburg, IL 604 Liberty Street. Suite 125, Pella, IA Ph (515)612-7402 Internet Address: STATE OF ILLINOIS DESIGN FIRM # 1842738

SECTION COUNTY TOTAL SHEETS NO.

DIST 8 DEEP WELLS 2021-1 ST. CLAIR 11 1 ILLINOIS CONTRACT NO. 76M78

### D-98-092-19





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### **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.
- 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%

NONE

& ASSOCIATES. P.C.
Engineers - Architects - Surveyors
fis n24Th ST. Oulhory, ELINOIS 62301 217.223.3570
STATE OF ELINOIS DESIGN FRAM NO. 1462738

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PLOT DATE = 3/24/2021	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE

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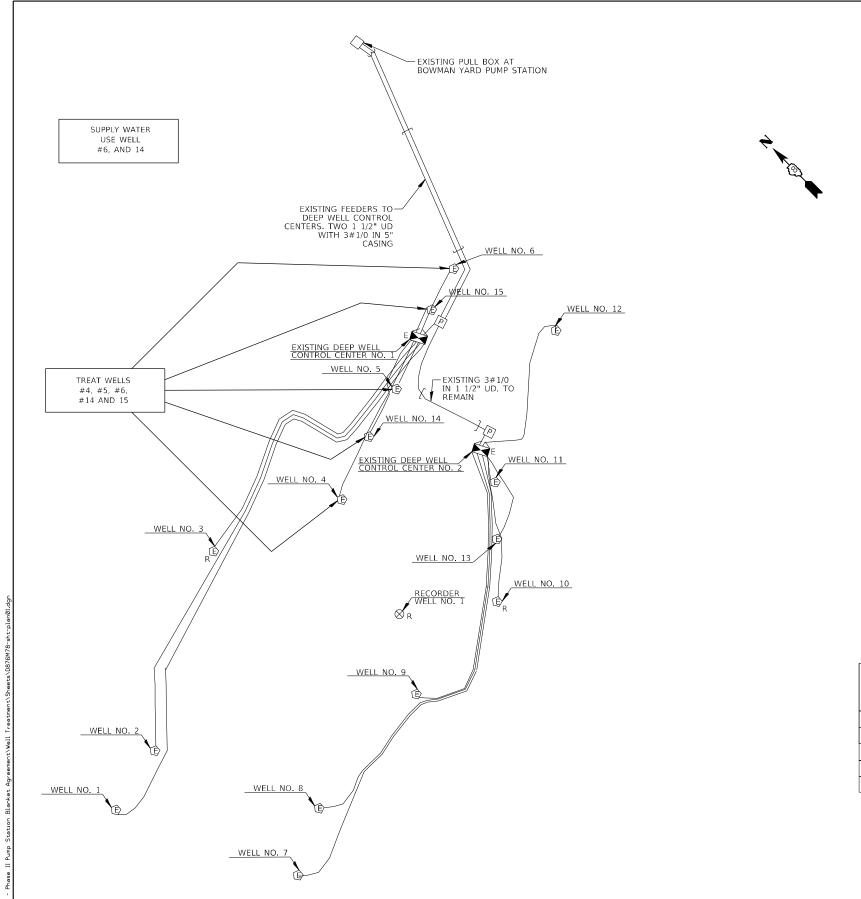
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			100%	LOCATION 1	LOCATION 3		TION CODE	LOCATION			
			STATE	LOCATION 1	LOCATION 2	LOCATION 3	LOCATION 4	LOCATION 5			
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NO.	ITEM	UNIT	QUANTITY	0044	0044	0044	0044	0044			
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67100100	MOBILIZATION	L SUM	1	0.20	0.20	0.20	0.20	0.20			
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.34	0.33	0.33					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1				1				
V0222===	ADDITIONAL TREATMENT NO. 1			_		_					
X0300358	ADDITIONAL TREATMENT NO. 1	EACH	10	5	2	1	2				
X0300359	ADDITIONAL TREATMENT NO. 2	EACH	10	5	2	1	2				
70300339	ADDITIONAL TREATMENT NO. 2	EACH	10	J	2	1	2				
X0325850	SONAR-JET TREATMENT	EACH	2	2							
X0323030	SONAL JET TREATMENT	LACIT									
X0943700	WELL CHEMICAL TREATMENT	EACH	8	3	2	1	2				
X1200211	DEEP WELL VIDEO INSPECTION	L SUM	1					1			
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CHMMADY OF CHANTITIES										SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.	
SUMMARY OF QUANTITIES								*	DIST 8 DEEP	WELLS 2021	l-1 ST. CLAIR	11	3		
									* VA	* VARIOUS CONTRACT NO.					
	SCALE:	SHEET	1	OF	1	SHEETS	STA.	TO STA.			ILLINOIS FEE	D. AID PROJECT			



LOCATION	ADDITIONAL TREATMENT NO. 1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT	SONAR JET TREATMENT	WELL CHEMICAL TREATMENT SPECIAL
WELL #4	Х	Х	Х		
WELL #5	Х	Х		Х	
WELL #6	Х	Х	Х		
WELL #14	Х	Х		Х	
WELL #15	Х	Х	Х		

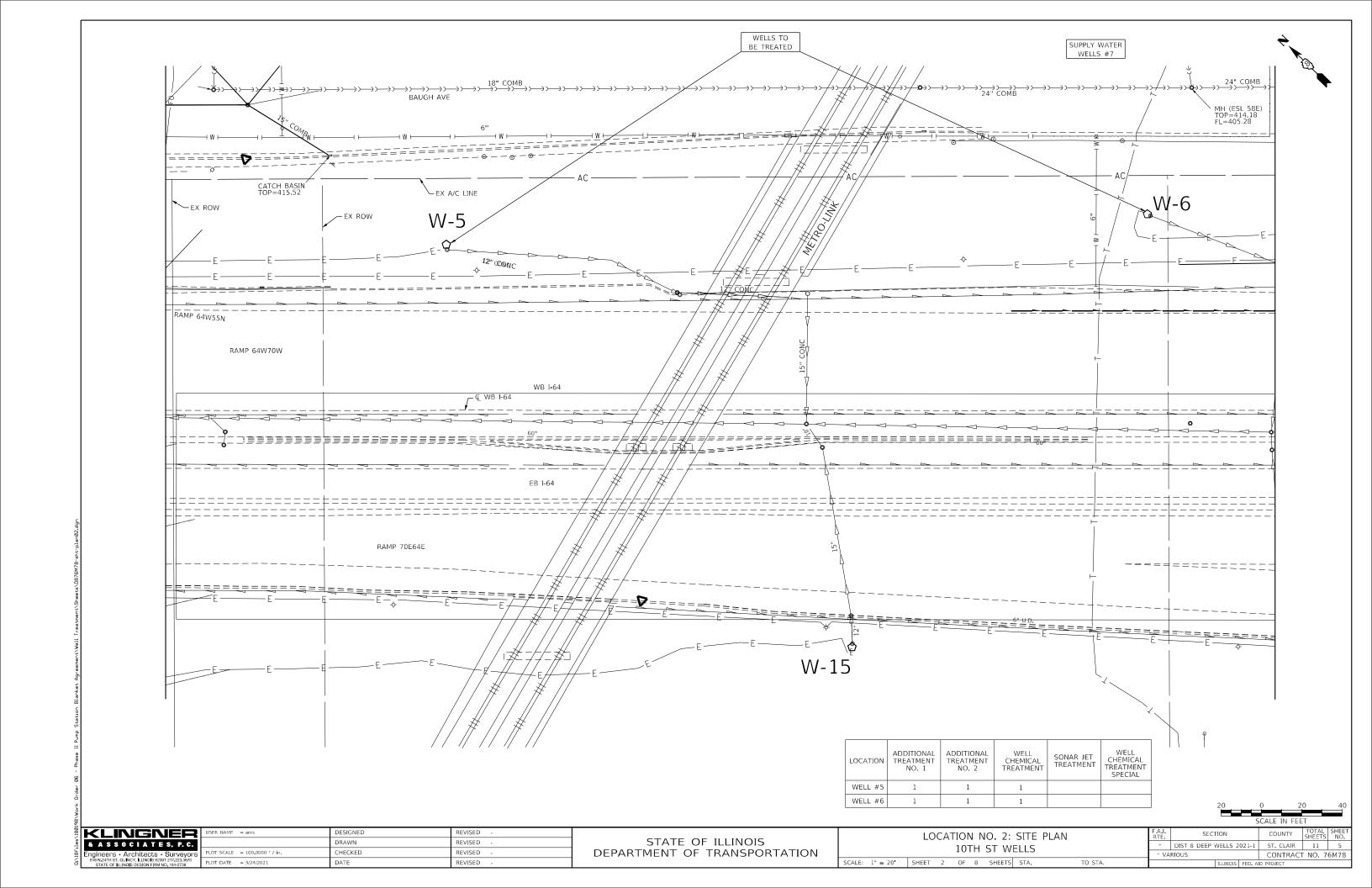


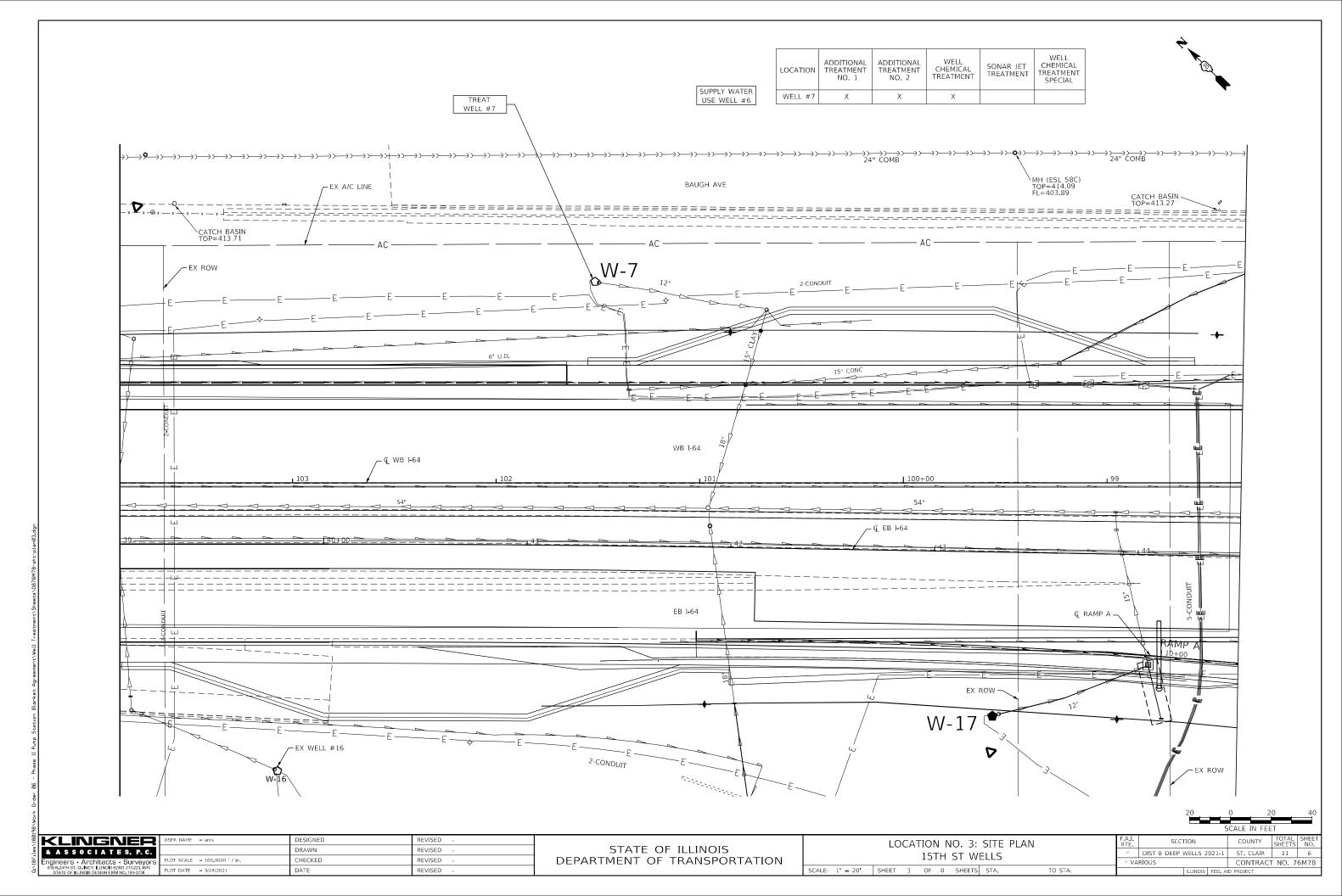
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:\18f₁	Engineers • Architects • Surveyors
ö	STATE OF ILL INOIS DESIGN FIRM NO. 184-2738

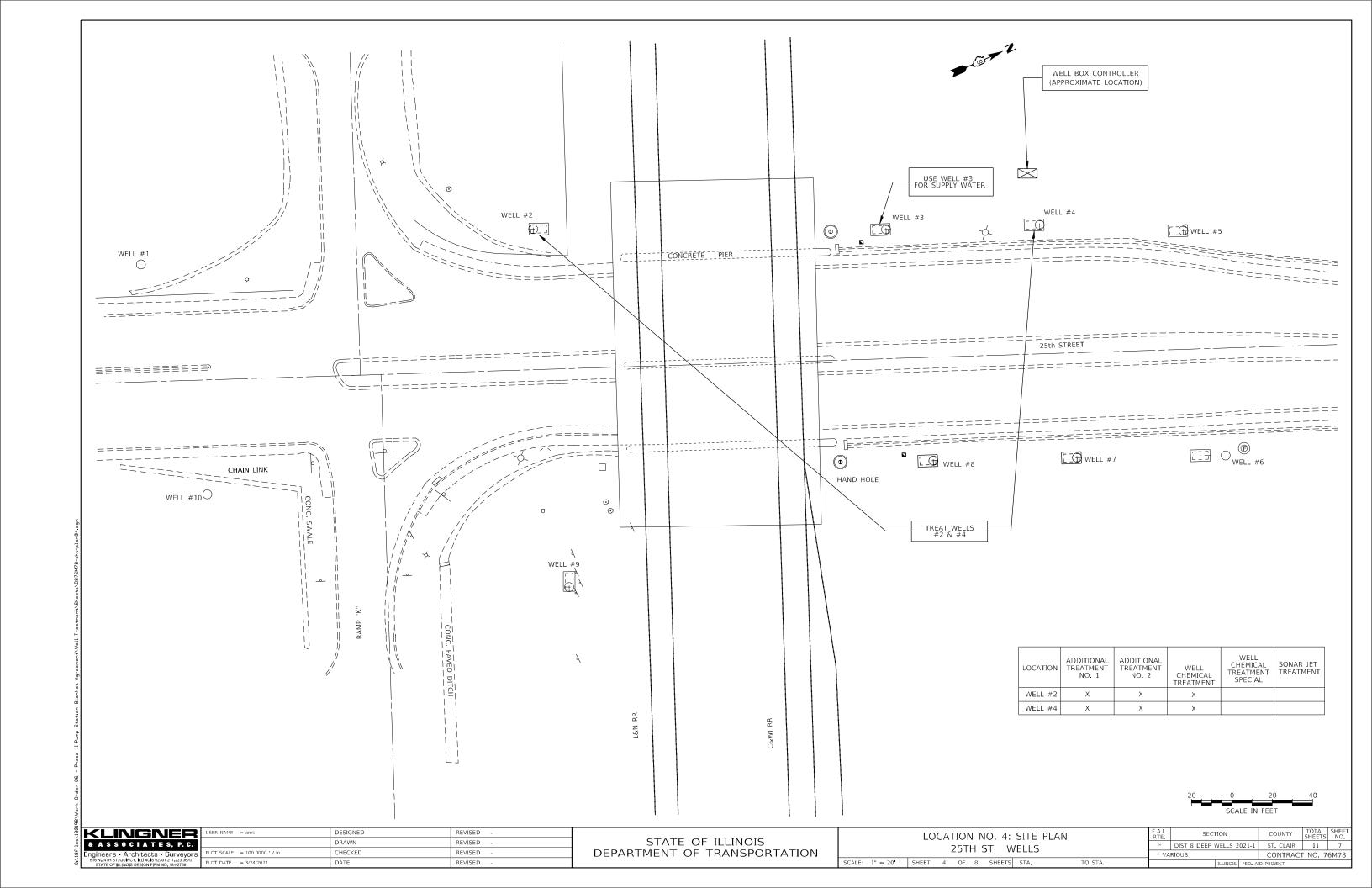
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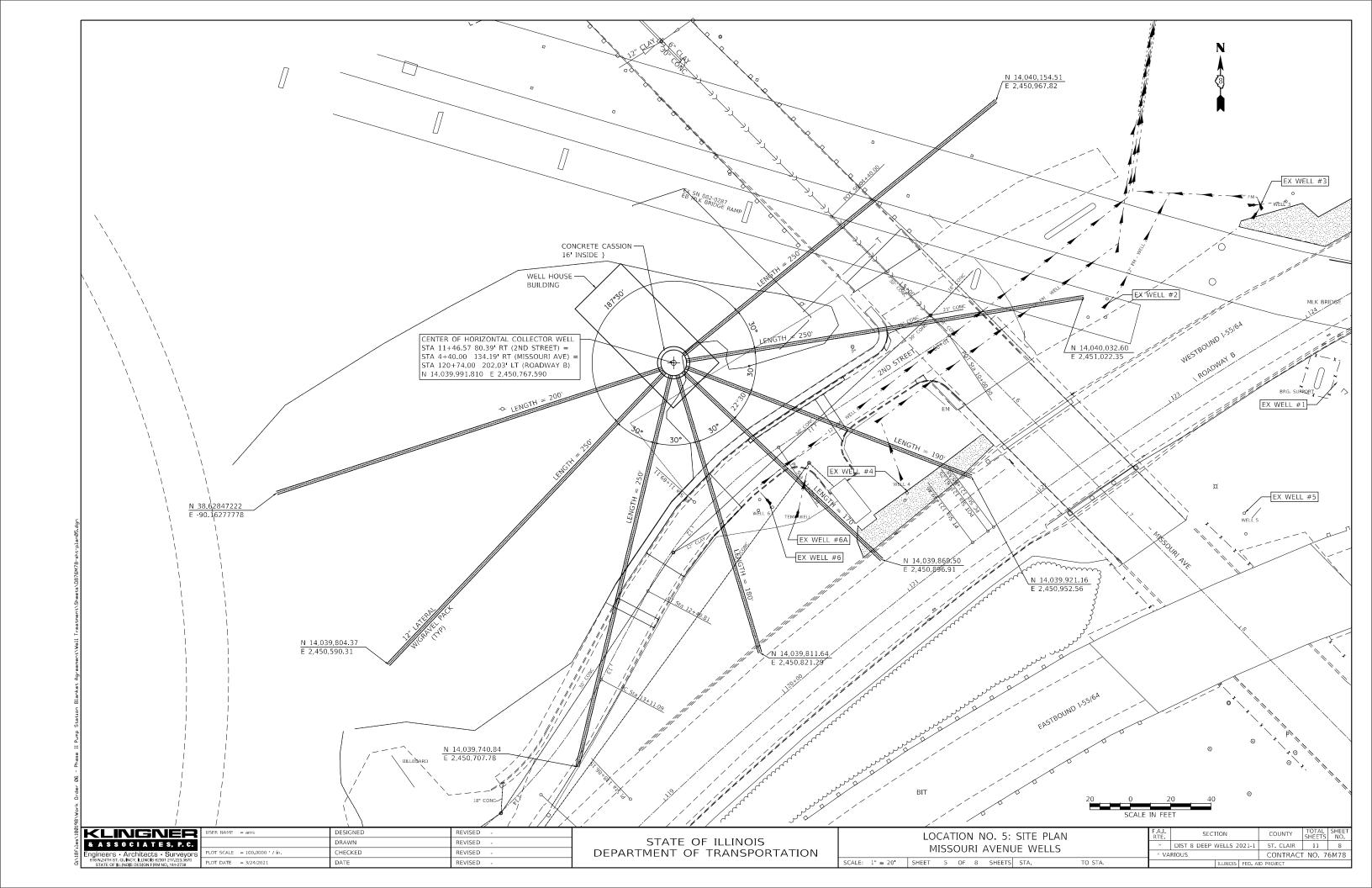
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

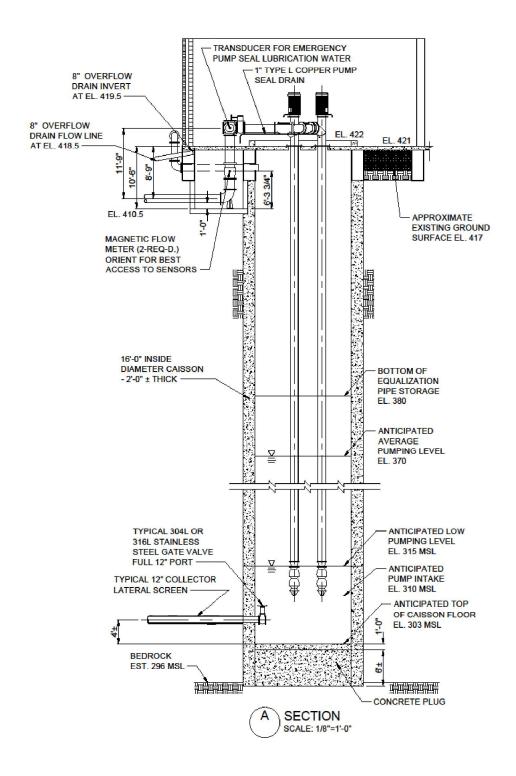
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	×	DIST 8 DEEP WELLS	2021-1	ST. CLAIR	11	4					
	* VA	RIOUS	CONTRAC	FRACT NO. 76M78							
SCALE: 1" = 20'	SHEET 1	OF	8 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					











& ASSOCIATES, P.C.
Engineers · Architects · Surveyors
state of LLINOIS DESIGN FIRM NO, 184-2738

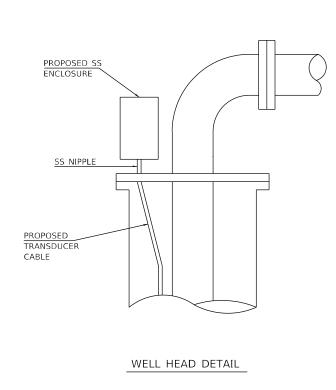
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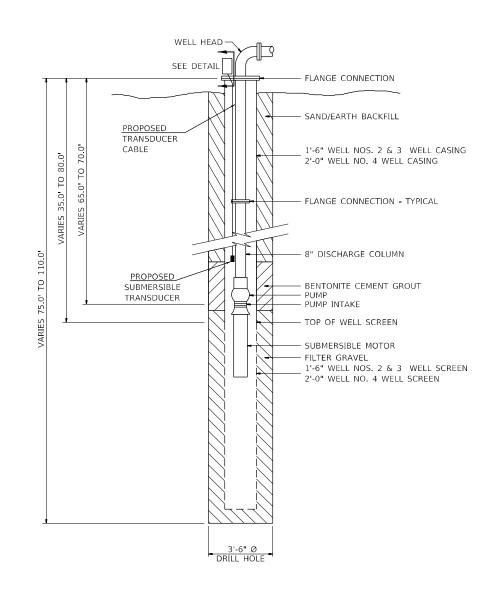
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 PLOT DATE
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 DATE
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





EXISTING

& ASSOCIATES, P.C.
Engineers · Architects · Surveyors
610 N2411 451, OUNCY, LLINOIS 62301 217,223,3570
STATE OF ILLINOIS DESIGN FRAN NO, 184-2738

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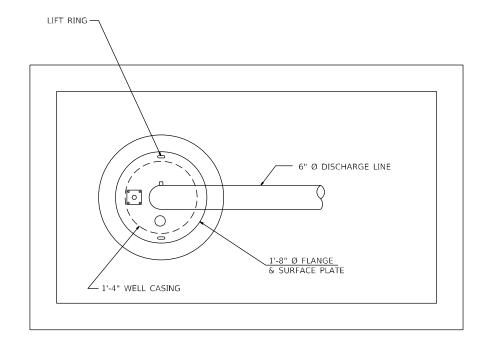
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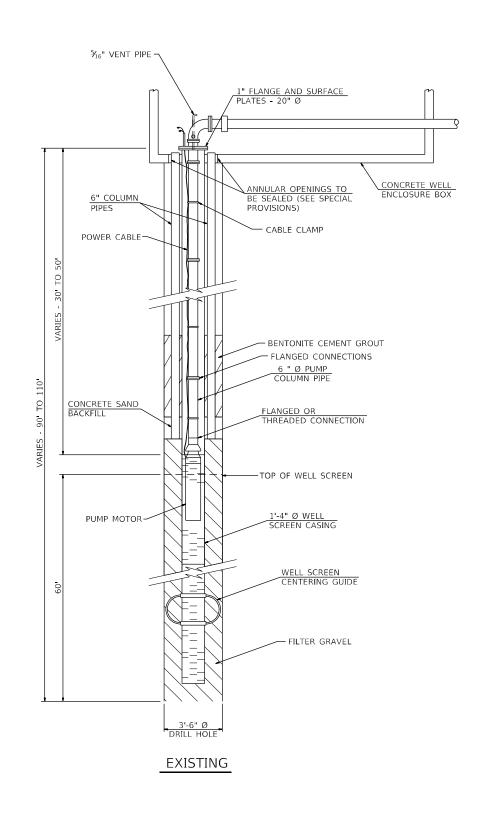
 PLOT DATE
 = 3/24/2021
 DATE
 REVISED

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



SCALE: NONE SHEET

& A S S O C I A T E S, P. C.
Engineers · Anchitects · Surveyors
618 N24TH ST, CUINCY, LLUNGS 62301 217,223,3670
STATE OF LLINGS DESIGN FIRM NO., 184-2738

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION N	F.A.I. RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.		
TYPICAL WELL	×	DIST 8 DEEP WELLS 2021-1			ST. CLAIR	11	11		
TITICAL WELL	* VA	RIOUS		CONTRACT NO. 76M78					
8 OF 8 SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		

06 - Phase II Pump Station Blanket Agreement\Well Treatment\Sheets\D87