

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V&B	**	***	9	1

** DIST 8 DEEP WELLS 2010-1
*** MADISON & ST. CLAIR

INDEX OF SHEETS

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- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
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- 5 LOCATION NO. 2: SITE PLAN 25TH STREET WELLS
- 6 LOCATION NO. 3: SITE PLAN MISSOURI AVENUE WELLS
- 7 LOCATION NO. 4: SITE PLAN 15TH STREET
- 8 TYPICAL WELL DETAILS LOCATION 1, 2 & 4
- 9 TYPICAL WELL DETAILS LOCATION 3

STANDARDS
701601-06
701901-01

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

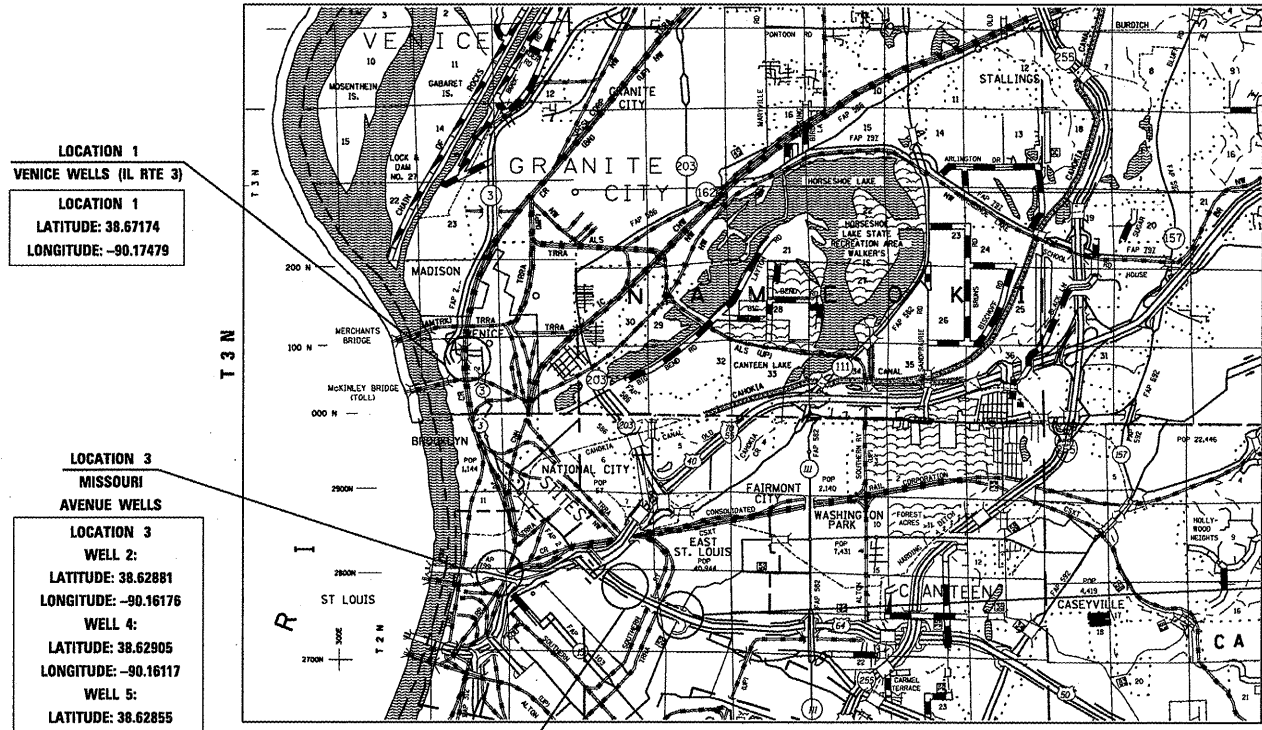
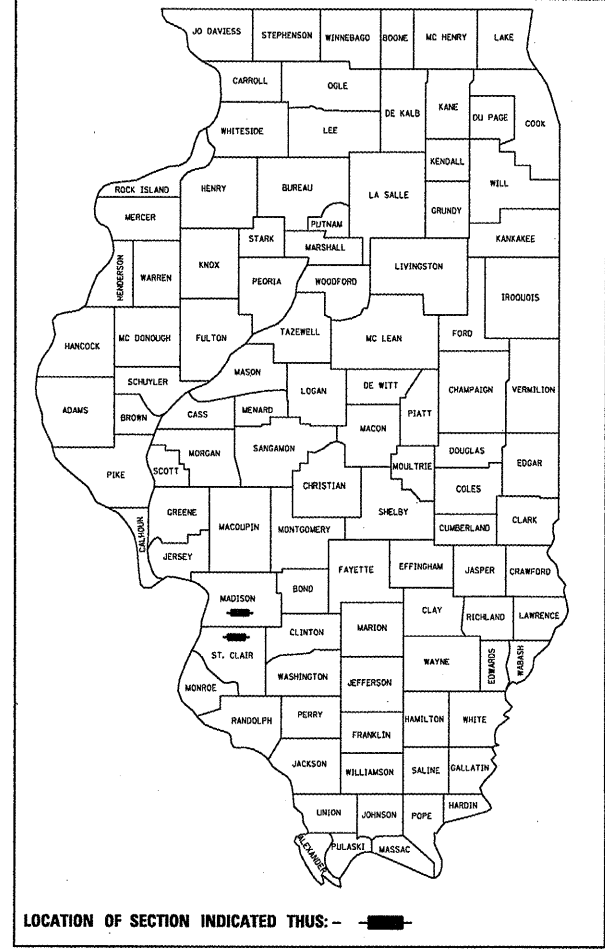
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION DIST 8 DEEP WELLS 2010-1

MADISON AND ST. CLAIR COUNTIES

C-98-041-09

D-98-045-09

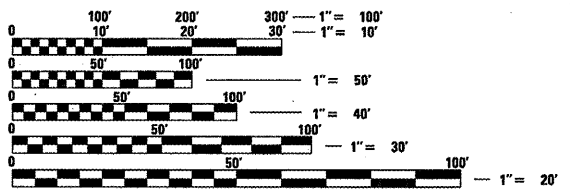


LOCATION 1
VENICE WELLS (IL RTE 3)
LOCATION 1
LATITUDE: 38.67174
LONGITUDE: -90.17479

LOCATION 3
MISSOURI AVENUE WELLS
WELL 2:
LATITUDE: 38.62881
LONGITUDE: -90.16176
WELL 4:
LATITUDE: 38.62905
LONGITUDE: -90.16117
WELL 5:
LATITUDE: 38.62855
LONGITUDE: -90.16222
WELL 6:
LATITUDE: 38.78946
LONGITUDE: -90.16568

LOCATION 4
15TH STREET
LOCATION 4
LATITUDE: 38.627812
LONGITUDE: -90.138259

LOCATION 2
25TH STREET WELLS
LOCATION 2
LATITUDE: 38.62752
LONGITUDE: -90.13820

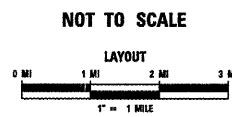


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: PATTI LEBEAU (618)346-3179
PROJECT MANAGER: CHERYL KEPLAR (618)346-3186

CONTRACT NO. 76D00



TRAFFIC DATA:
LOCATION 1: VENICE (IL ROUTE 3) = 6,200 (2009)
LOCATION 2: EB I-94 @ 25TH STREET = 3,900 (2009)
ST. CLAIR AVENUE = 4,150 (2009)
RAMP C = 950 (2009)
LOCATION 3: MISSOURI AVENUE = 2,900 (2009)
LOCATION 4: 15TH STREET & 25TH STREET = 68,800 (2009)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED July 7, 2009
Mary Jamie
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
August 14, 2009
Charles G. Driscoll
ENGINEER OF DESIGN AND ENVIRONMENT
August 14, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. 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.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITY BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES IN THE AREA OF THIS PROJECT ARE:

LOCATION 1: (VENICE WELLS)

- * AMEREN IP
- * AMEREN IP (GAS)
- * AT&T CORPORATION
- * AT&T ILLINOIS
- * CENTERPOINT ENERGY
- * CHARTER COMMUNICATIONS, INC.
- * CONSOLIDATED COMMUNICATIONS
- * EXPLORER PIPELINE COMPANY
- * ILLINOIS AMERICAN WATER CO.
- * LEVEL 3 COMMUNICATIONS
- * MCLEOD USE TELECOMMUNICATIONS, INC.
- * NETWORKS, 360
- * QWEST COMMUNICATIONS
- * SPRINT COMMUNICATIONS CO.
- * VERIZON BUSINESS

LOCATION 2: (25TH ST. WELLS)

- * AMEREN IP
- * AMEREN-UE
- * AT&T ILLINOIS
- * CITY OF EAST ST. LOUIS
- * ILLINOIS AMERICAN WATER CO.
- * MCLEOD USA TELECOMMUNICATIONS, INC.

LOCATION 3: (MISSOURI AVE WELLS)

- * AMEREN IP
- * AMEREN-UE
- * AT&T ILLINOIS
- * CHARTER COMMUNICATIONS, INC.
- * CITY OF EAST ST. LOUIS
- * ILLINOIS AMERICAN WATER CO.
- * LEVEL 3 COMMUNICATIONS, LLC
- * LIGHTCORE
- * MCLEOD USA TELECOMMUNICATIONS, INC.
- * NETWORKS, 360
- * QWEST COMMUNICATIONS
- * VERIZON BUSINESS

LOCATION 4: (15TH ST. WELLS)

- * AMEREN IP
- * AMEREN-UE
- * AT&T ILLINOIS
- * CITY OF EAST ST. LOUIS
- * ILLINOIS AMERICAN WATER CO.
- * MCLEOD USA TELECOMMUNICATIONS, INC.
- * QWEST COMMUNICATIONS

(MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY).

4. 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.
5. 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.

•• DIST 8 DEEP WELLS 2010-1
 ••• MADISON & ST. CLAIR

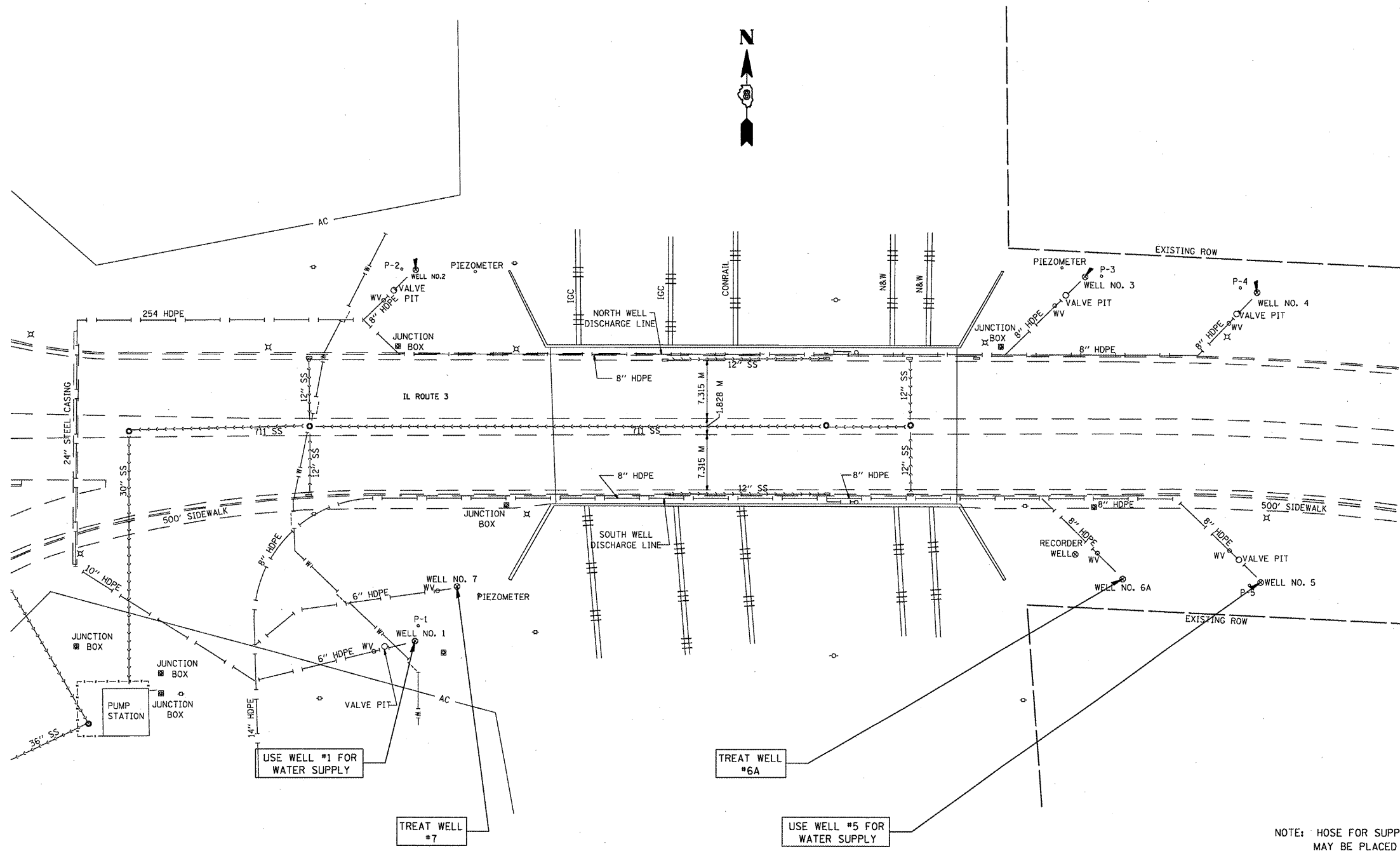
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PLOT DATE = 6/15/2009	DATE - ---	REVISED - ---	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
					SCALE: _____	SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE Y007			
CODE NO	ITEM	UNIT		100% STATE URBAN			
				LOCATION 1 MADISON	LOCATION 2 ST. CLAIR	LOCATION 3 ST. CLAIR	LOCATION 4 ST. CLAIR
67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.50	0.50		
X0300358	ADDITIONAL TREATMENT NO. 1	EACH	10	2	2	4	2
X0300359	ADDITIONAL TREATMENT NO. 2	EACH	10	2	2	4	2
X0325850	SONAR-JET TREATMENT	EACH	2	1	1		
X0943700	WELL CHEMICAL TREATMENT	EACH	7	1	1	3	2
X0943705	WELL CHEMICAL TREATMENT, SPECIAL	EACH	1			1	

** DIST 8 DEEP WELLS 2010-1
*** MADISON & ST. CLAIR

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		PLOT DATE = #DATE#	DATE - ---			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		



NOTE: HOSE FOR SUPPLY WATER MAY BE PLACED ON SIDE WALK WHILE IN USE, BUT MUST BE REMOVED OVER NIGHT.

LOCATION	ADDITIONAL TREATMENT NO. 1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT	WELL CHEMICAL TREATMENT SPECIAL	SONAR JET TREATMENT
WELL #6A	X	X			X
WELL #7	X	X	X		X

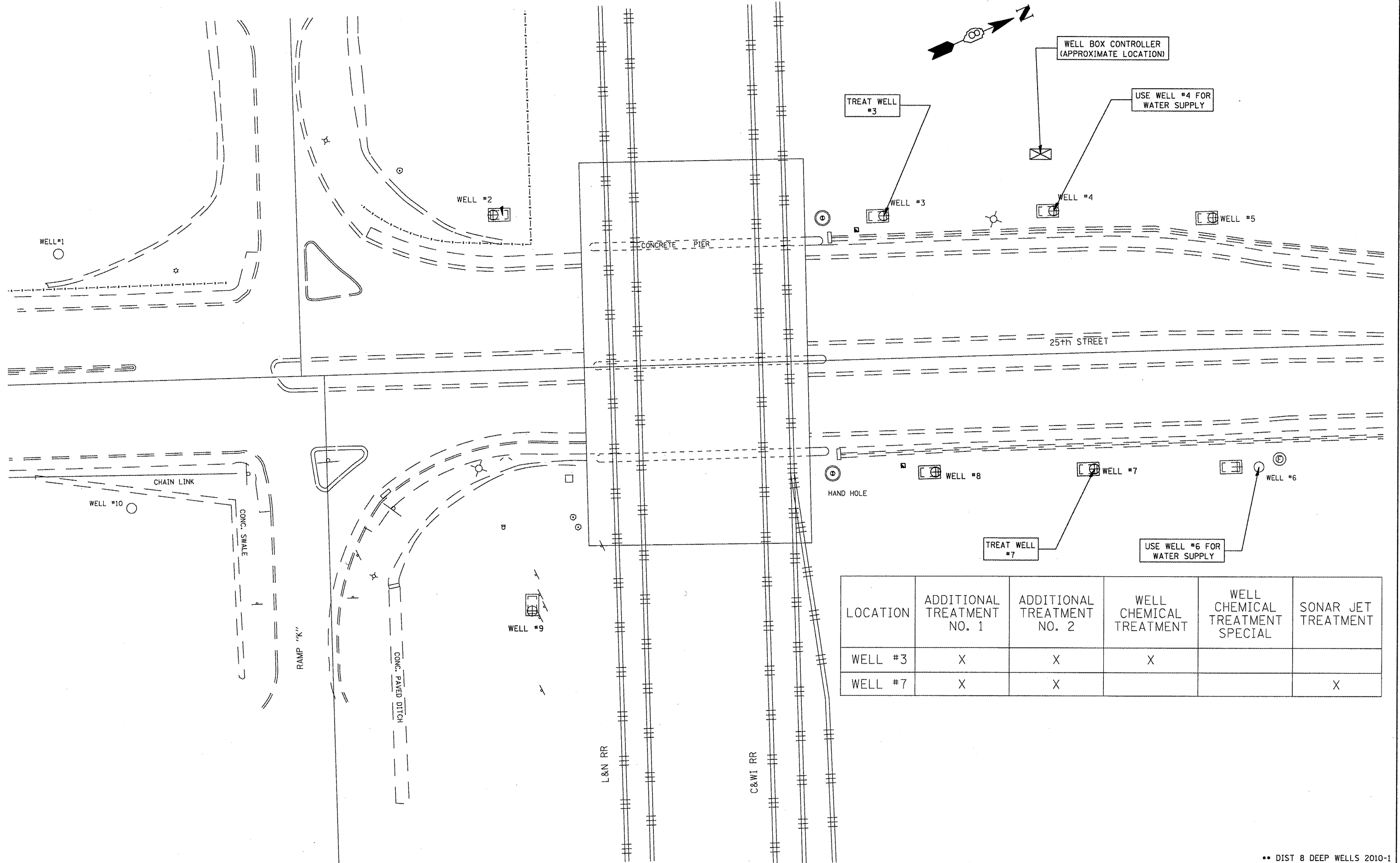
•• DIST 8 DEEP WELLS 2010-1
 ••• MADISON & ST. CLAIR

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION 1 SITE PLAN VENICE WELLS (IL RTE 3)	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. VAR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	••	•••	9	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76000	



LOCATION	ADDITIONAL TREATMENT NO. 1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT	WELL CHEMICAL TREATMENT SPECIAL	SONAR JET TREATMENT
WELL #3	X	X	X		
WELL #7	X	X			X

•• DIST 8 DEEP WELLS 2010-1
 ••• MADISON & ST. CLAIR

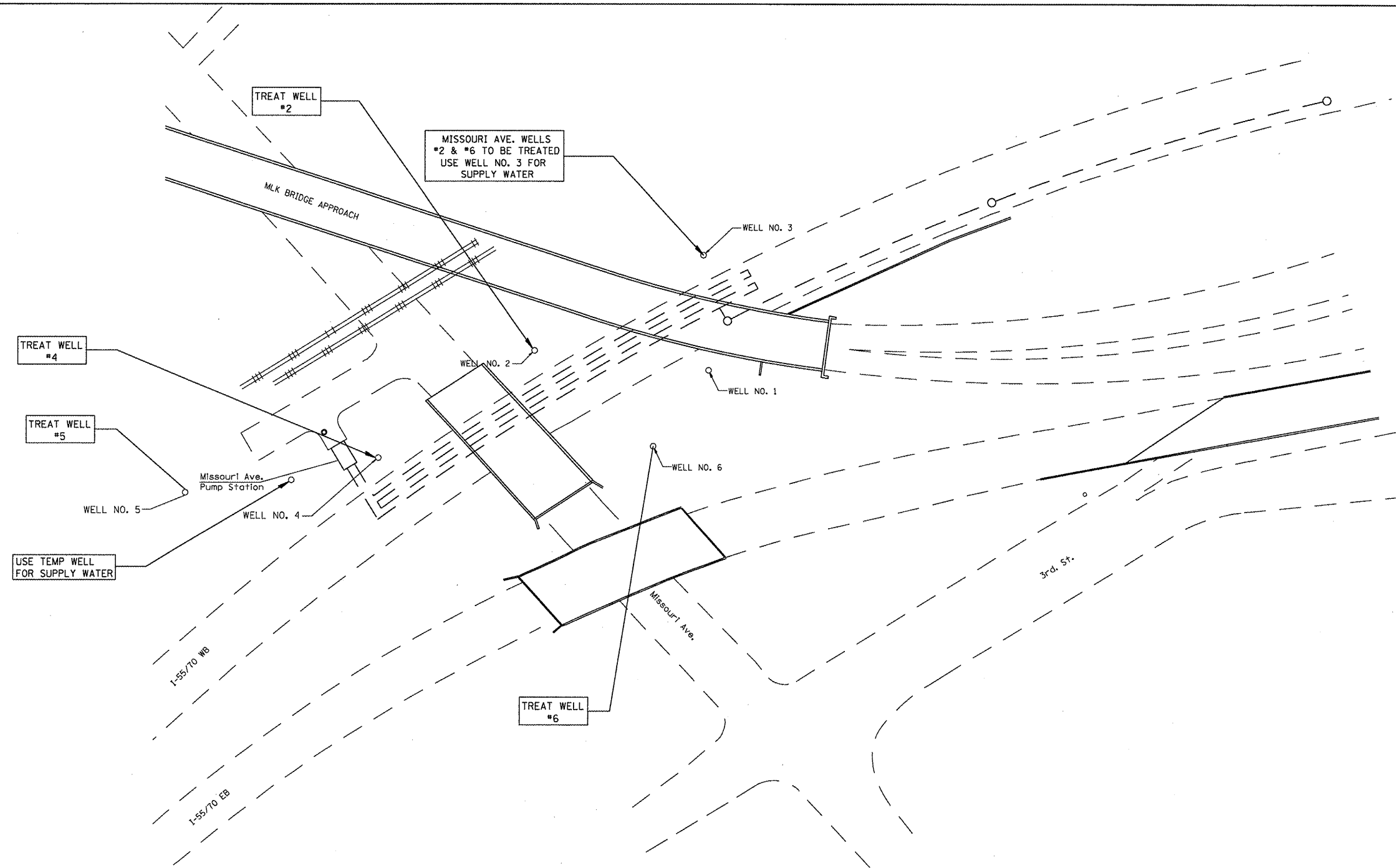
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION 2 SITE PLAN 25th STREET WELLS

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
V&B	••	•••	9	5
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D00	

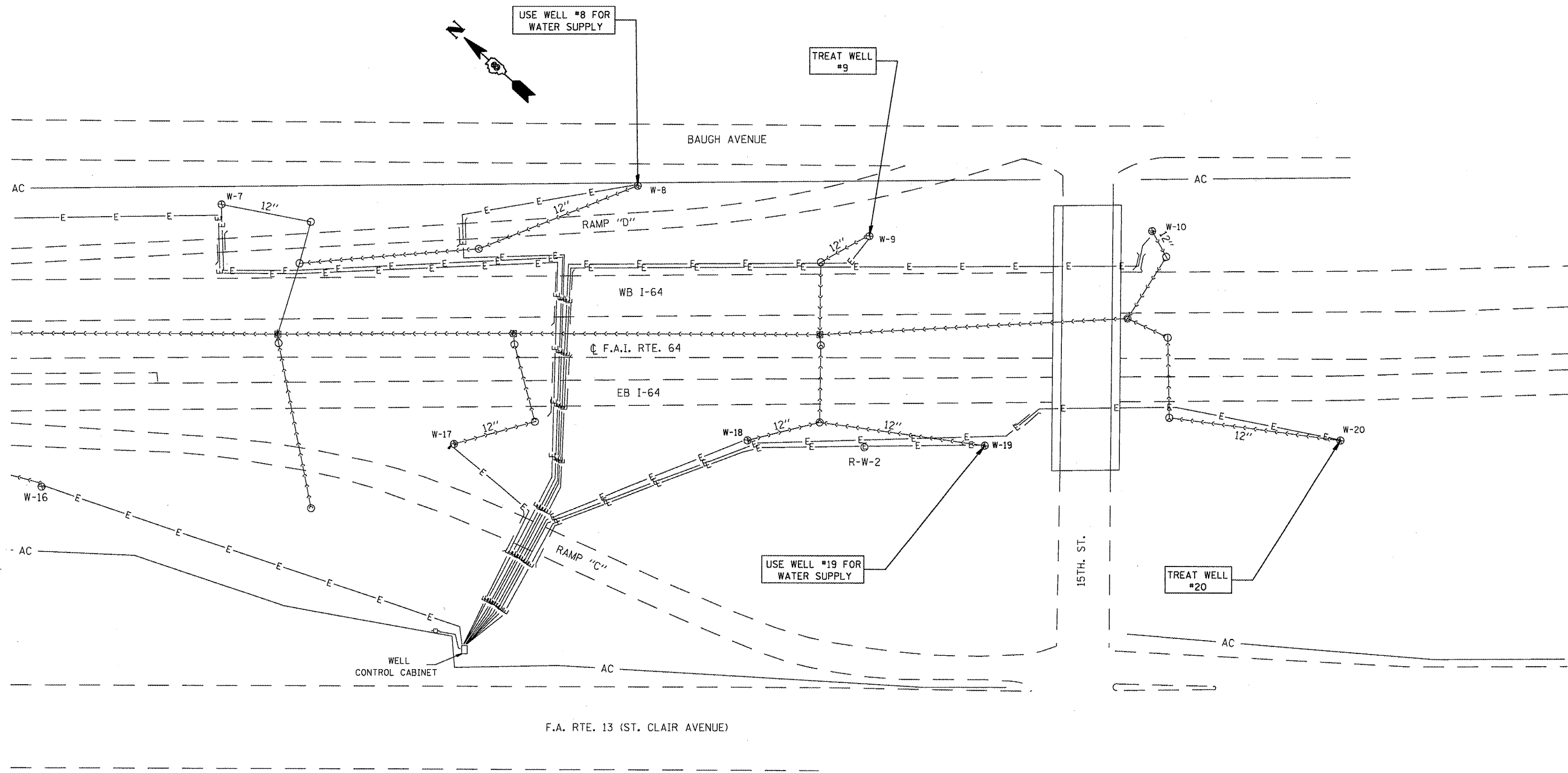


LOCATION	ADDITIONAL TREATMENT NO. 1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT	SONAR JET TREATMENT	WELL CHEMICAL TREATMENT SPECIAL
WELL #2	X	X	X		
WELL #4	X	X			X
WELL #5	X	X	X		
WELL #6	X	X	X		

NOTES: 1. WELL CHEMICAL TREATMENT SPECIAL, SHALL BE USED AT MISSOURI AVE. WELL NO. 4.

** DIST 8 DEEP WELLS 2010-1
*** MADISON & ST. CLAIR

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 3 SITE PLAN MISSOURI AVENUE WELLS	F.A.P. R.T.C. Y&B	SECTION **	COUNTY ***	TOTAL SHEETS 9	SHEET NO. 6	
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LOCATION	ADDITIONAL TREATMENT NO.1	ADDITIONAL TREATMENT NO. 2	WELL CHEMICAL TREATMENT	WELL CHEMICAL TREATMENT SPECIAL	SONAR JET TREATMENT
WELL #9	X	X	X		
WELL #20	X	X	X		

•• DIST 8 DEEP WELLS 2010-1
 ••• MADISON & ST. CLAIR

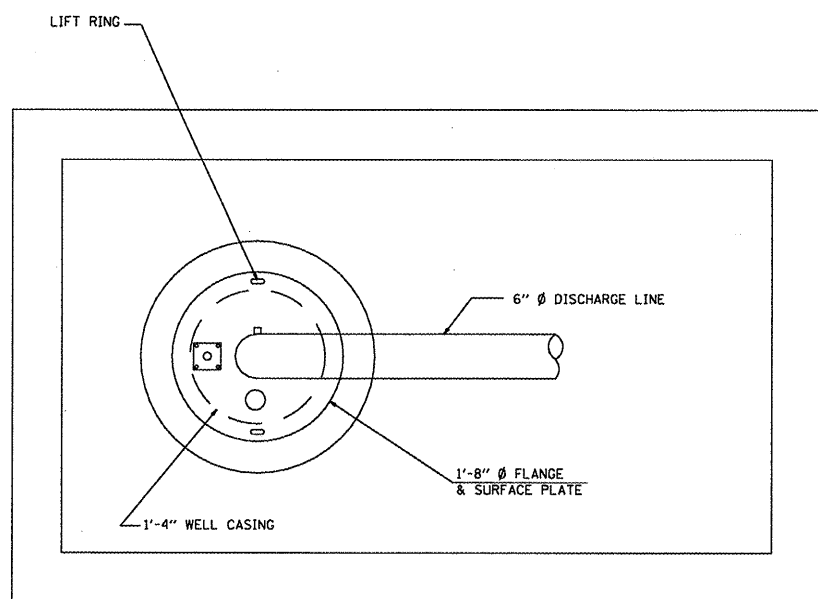
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

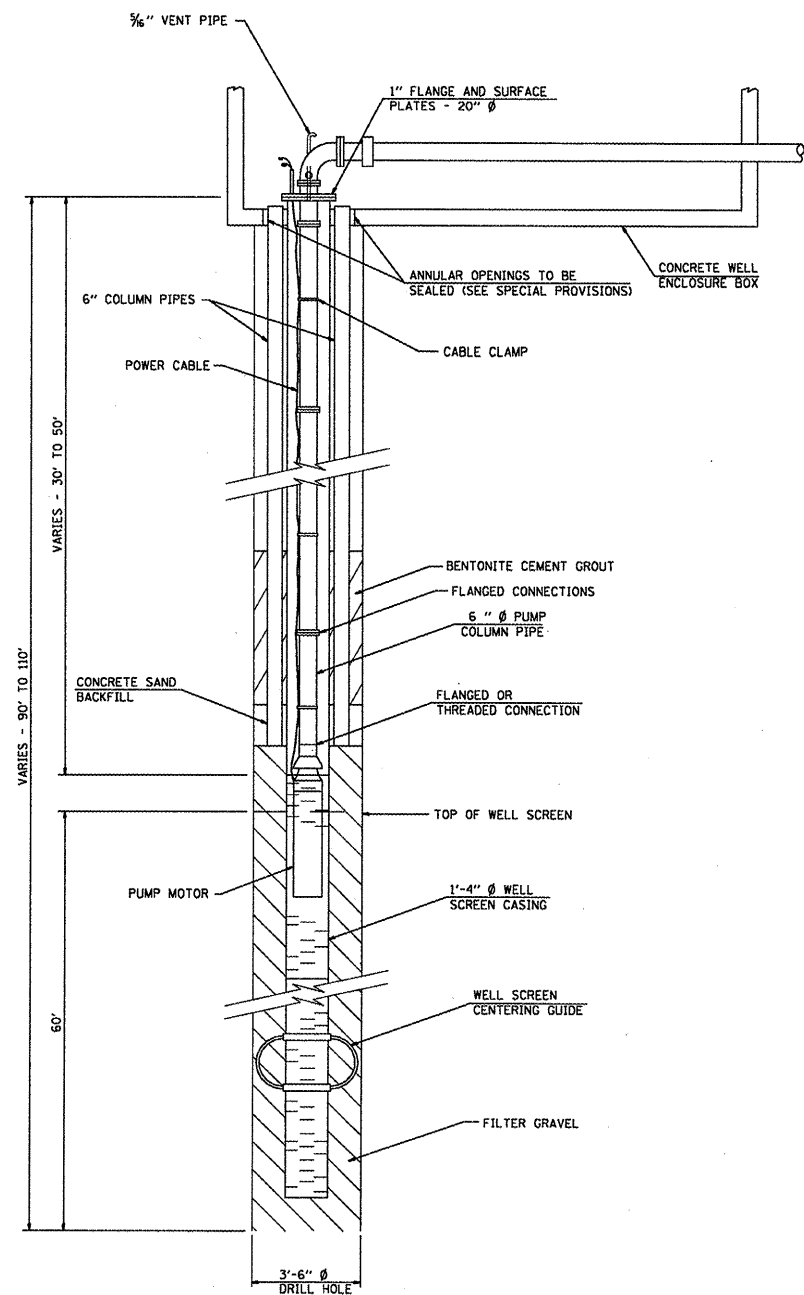
LOCATION 4 SITE PLAN 15TH STREET WELLS

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. VAB	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	••	•••	9	7
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76000	



WELL HEAD DETAIL



EXISTING

NOT TO SCALE

•• DIST 8 DEEP WELLS 2010-1
 ••• MADISON & ST. CLAIR

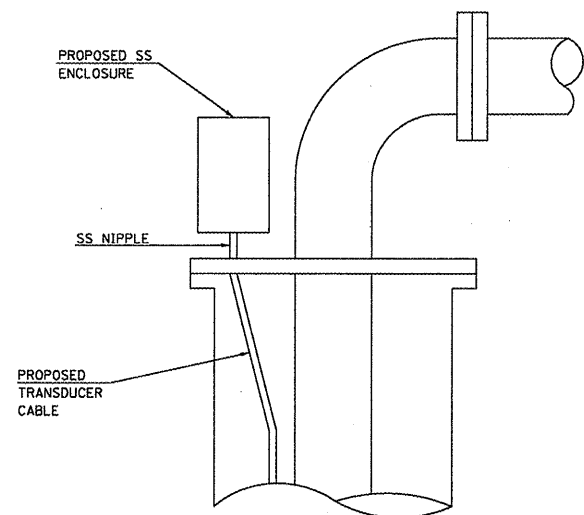
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

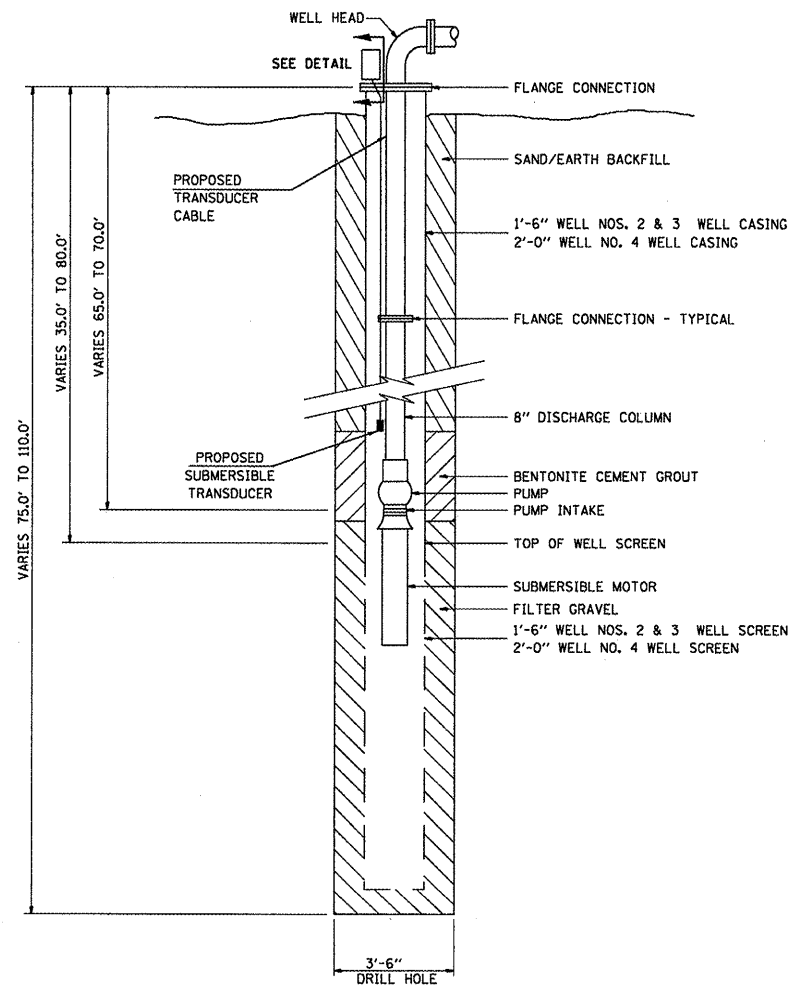
TYPICAL WELL DETAILS LOCATION 1, 2 & 4

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y88	**	***	9	8
CONTRACT NO. 76000			ILLINOIS FED. AID PROJECT	



WELL HEAD DETAIL



EXISTING

NOT TO SCALE

•• DIST 8 DEEP WELLS 2010-1
 ••• MADISON & ST. CLAIR

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL WELL DETAILS LOCATION 3

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. V88	SECTION **	COUNTY ***	TOTAL SHEETS 9	SHEET NO. 9
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76000	