

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

** DIST 8 DEEP WELLS 2011-1
*** MADISON & ST. CLAIR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION DIST 8 DEEP WELLS 2011-1

MADISON AND ST. CLAIR COUNTIES

C-98-127-10

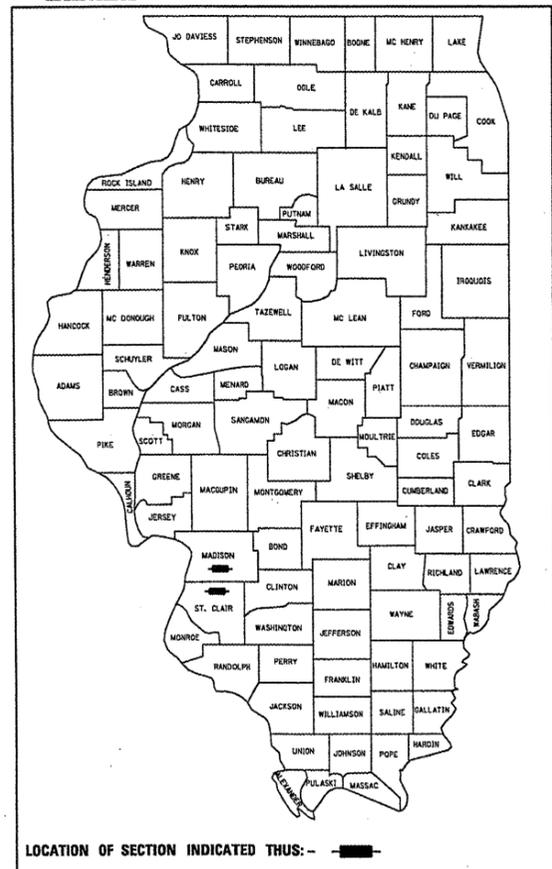
INDEX OF SHEETS

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- 4 LOCATION NO. 1: SITE PLAN VENICE WELLS (IL ROUTE 3)
- 5 LOCATION NO. 2: SITE PLAN TRI LEVEL 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
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STANDARDS

- 701601-06
- 701901-01

D-98-102-10

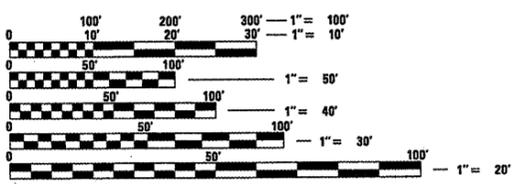


LOCATION 1
VENICE WELLS (IL RTE 3)
LOCATION 1
LATITUDE: 38.67174
LONGITUDE: -90.17479

LOCATION 3
MISSOURI AVENUE WELLS
LOCATION 3
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
TRI LEVEL WELLS
LOCATION 2
LATITUDE: 38.6335
LONGITUDE: -90.1451



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. 76E27



TRAFFIC DATA:
LOCATION 1: VENICE (IL ROUTE 3) = 6,200 (2009)
LOCATION 2: TRI LEVEL = 68,900 (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 6/29/10
M. C. Rame
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
Aug 13 2010
Scott E. Stitt PE/LE
ENGINEER OF DESIGN AND ENVIRONMENT
Aug 13 2010
Christine M. Reed/LE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
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: (TRI-LEVEL WELLS)

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

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 MISCELLANIOUS 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 2011-1
 ... MADISON & ST. CLAIR

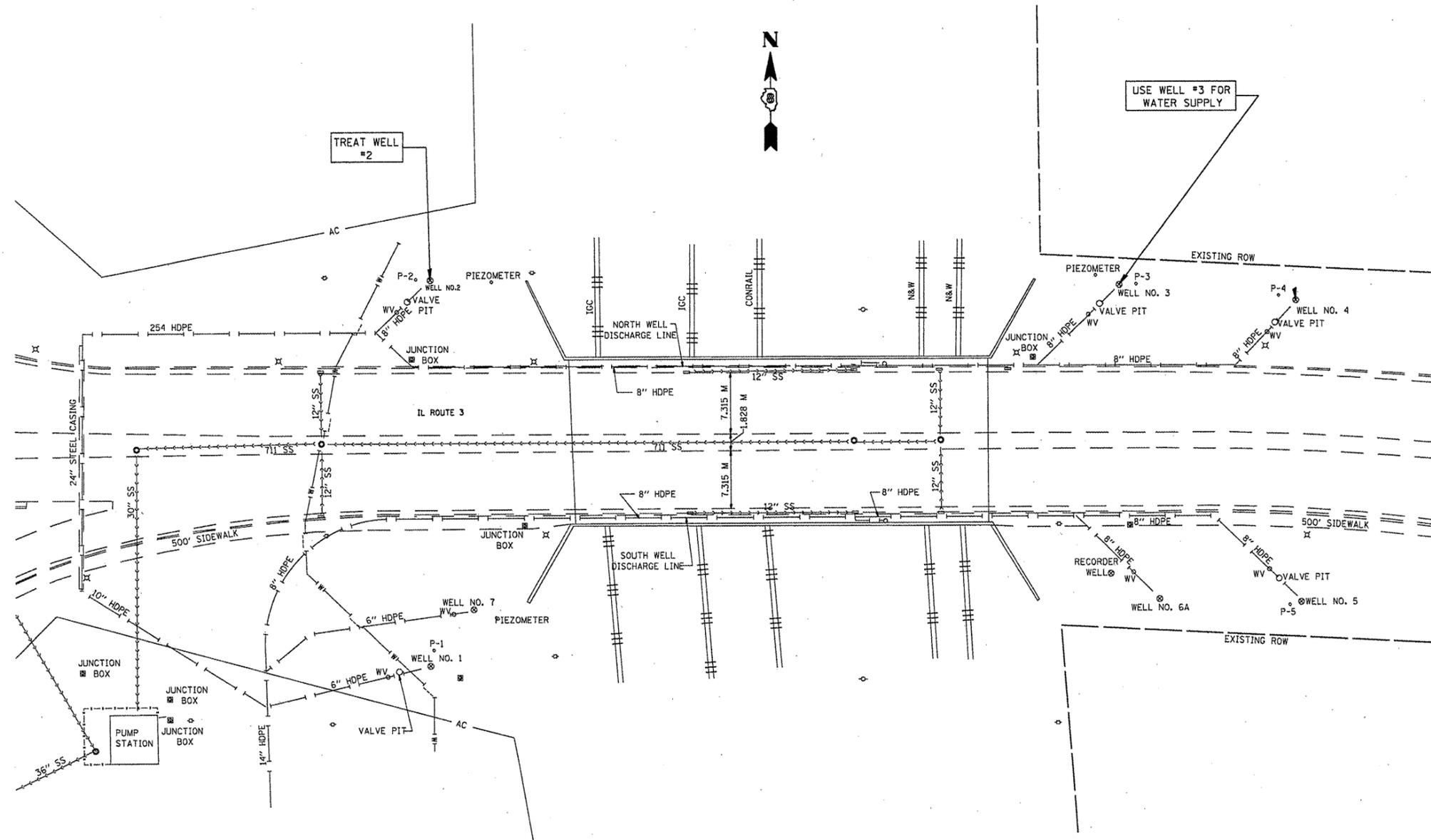
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| | PLOT SCALE = #SCALE# | CHECKED - --- | REVISED - --- | | | VAR | .. | ... | 9 | 2 | |
| PLOT DATE = #DATE# | DATE - ----- | REVISED - --- | REVISED - --- | | SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____ | | | | | | |
| | | | | | FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT CONTRACT NO. 76E27 | | | | | | |

SUMMARY OF QUANTITIES

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE Y007 | | | | |
|-----------------------|--|-------|-----------------------------|-----------------------|-------------------------|-------------------------|-------------------------|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 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 | 0.25 | 0.25 | 0.25 | 0.25 |
| X0300358 | ADDITIONAL TREATMENT NO. 1 | EACH | 10 | 1 | 3 | 5 | 1 |
| X0300359 | ADDITIONAL TREATMENT NO. 2 | EACH | 10 | 1 | 3 | 5 | 1 |
| X0325850 | SONAR-JET TREATMENT | EACH | 2 | | 2 | | |
| X0943700 | WELL CHEMICAL TREATMENT | EACH | 7 | 1 | 1 | 4 | 1 |
| X0943705 | WELL CHEMICAL TREATMENT, SPECIAL | EACH | 1 | | | 1 | |

** DIST 8 DEEP WELLS 2011-1
*** MADISON & ST. CLAIR

| | | | | | | | | | | |
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| FILE NAME = #FILE# | USER NAME = #USER# | DESIGNED - --- | REVISED - --- | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMERAY OF QUANTITIES | F.A.J RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - --- | REVISED - --- | | | VAR | ** | *** | 9 | 3 |
| | | PLOT SCALE = #SCALE# | CHECKED - --- | | | REVISED - --- | | | CONTRACT NO. 16E27 | |
| | | PLOT DATE = #DATE# | DATE - --- | | | REVISED - --- | 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 #2 | X | X | X | | |

•• DIST 8 DEEP WELLS 2011-1
••• MADISON & ST. CLAIR

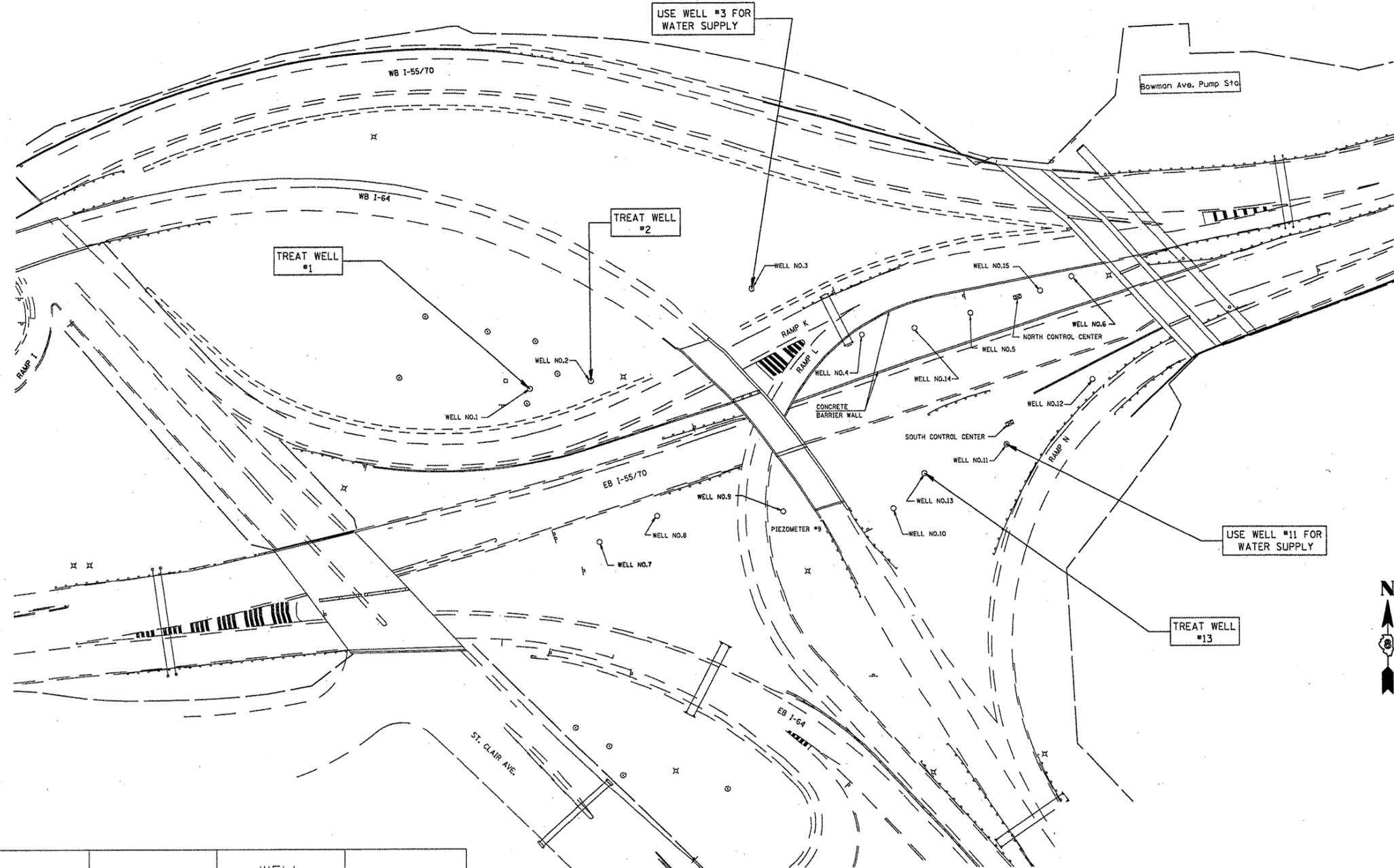
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| | PLOT DATE = #DATE# | DATE - | REVISED - |

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. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------------|-----------|
| V&B | •• | ••• | 9 | 4 |
| FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76E27 | |



| LOCATION | ADDITIONAL TREATMENT NO.1 | ADDITIONAL TREATMENT NO. 2 | WELL CHEMICAL TREATMENT | WELL CHEMICAL TREATMENT SPECIAL | SONAR JET TREATMENT |
|----------|---------------------------|----------------------------|-------------------------|---------------------------------|---------------------|
| WELL #1 | X | X | | | X |
| WELL #2 | X | X | | | X |
| WELL #13 | X | X | X | | |
| | | | | | |

•• DIST 8 DEEP WELLS 2011-1
 ••• MADISON & ST. CLAIR

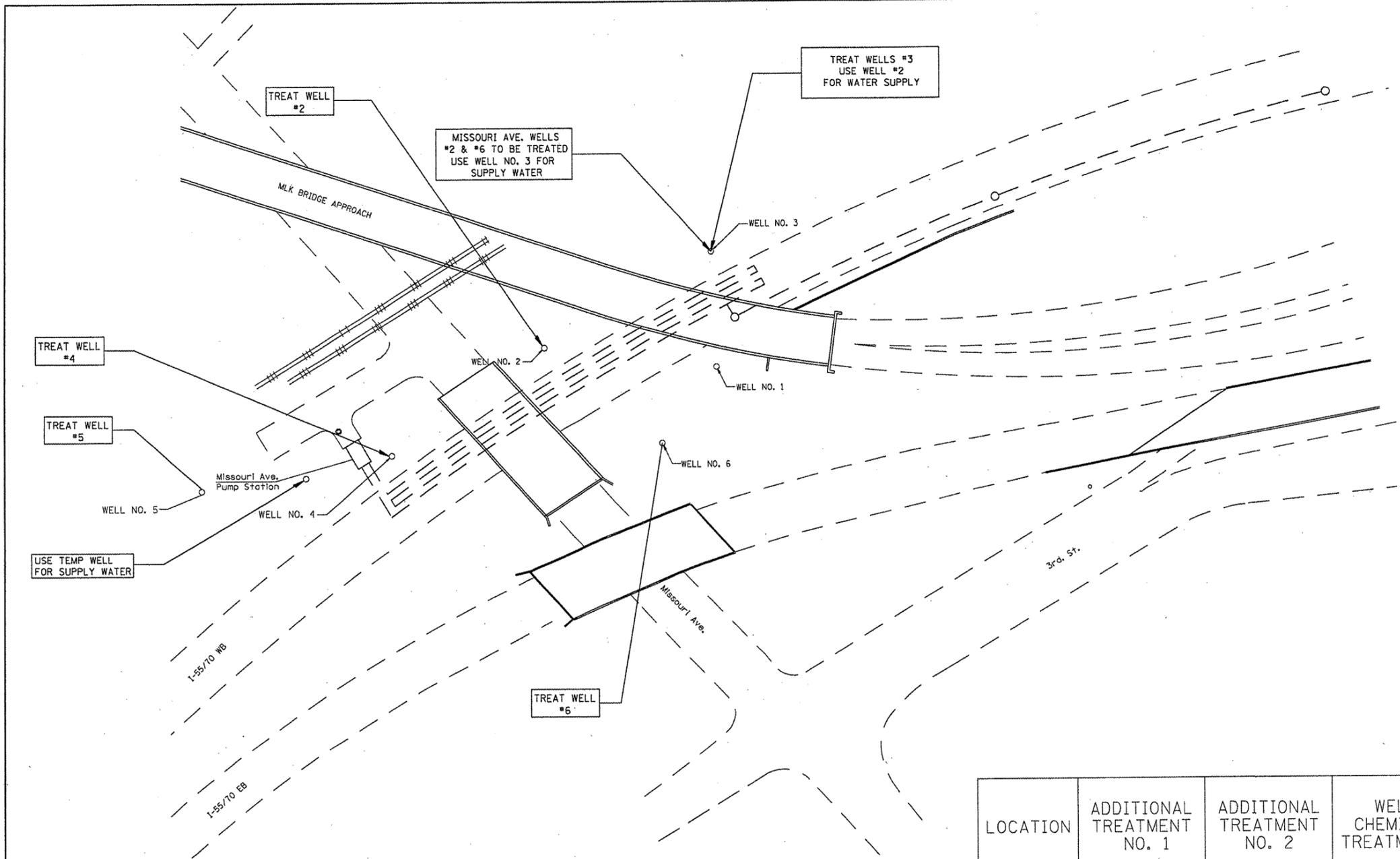
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| | PLOT DATE = #DATE# | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION 2 SITE PLAN TRI-LEVEL WELLS

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

| | | | | |
|--------------------|---------|--------|---|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| V&B | ** | *** | 9 | 5 |
| CONTRACT NO. 76E27 | | | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | |



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

| 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 #3 | X | X | X | | |
| WELL #4 | X | X | | | X |
| WELL #6 | X | X | X | | |
| WELL #6 | X | X | X | | |

•• DIST 8 DEEP WELLS 2011-1
 ••• MADISON & ST. CLAIR

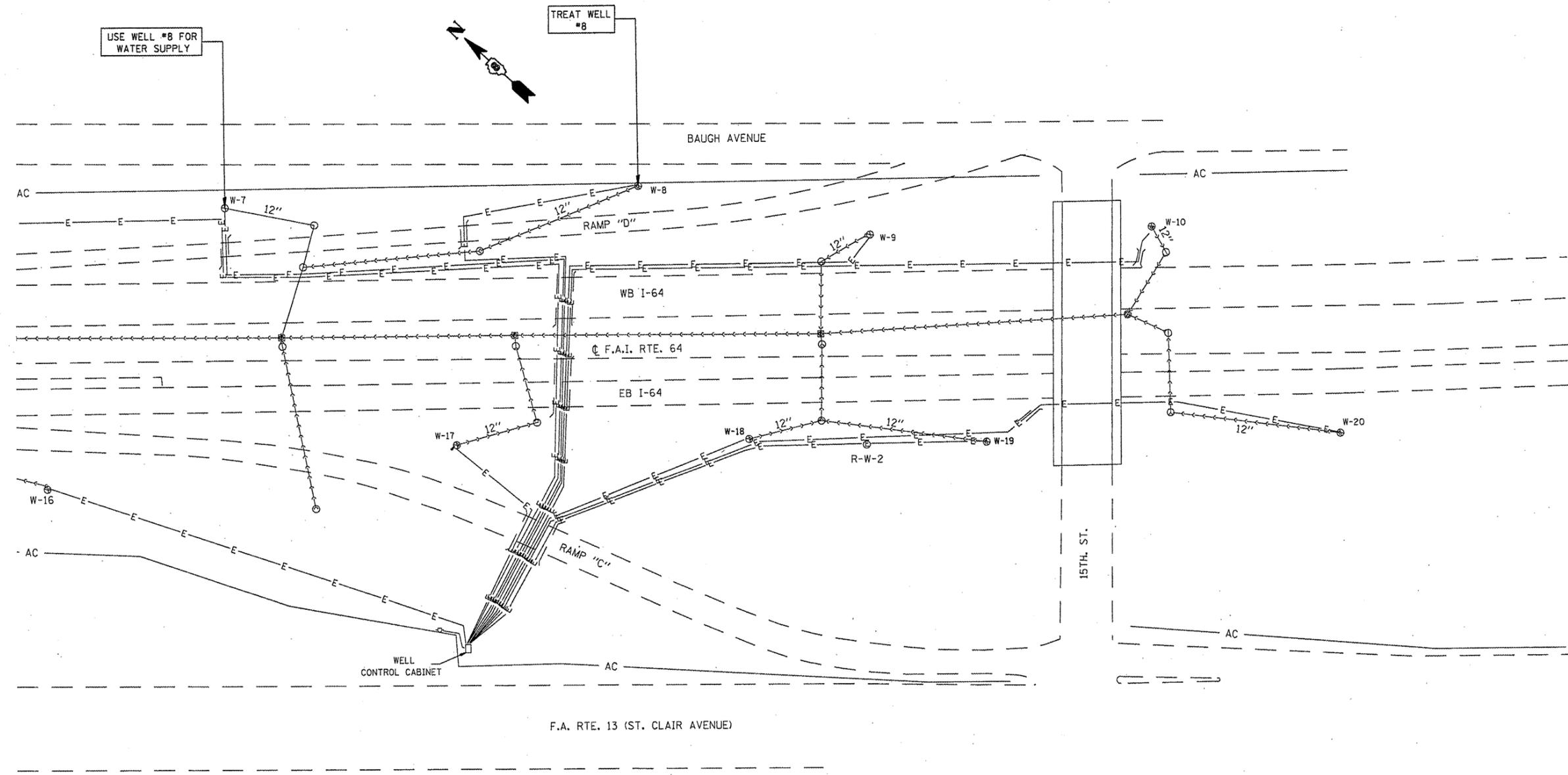
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| | PLOT SCALE = #SCALE# | CHECKED - | REVISED - |
| | PLOT DATE = #DATE# | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION 3 SITE PLAN MISSOURI AVENUE WELLS

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

| | | | | |
|---|------------|------------|--------------------|-------------|
| F.A.P. RTE. Y68 | SECTION ** | COUNTY *** | TOTAL SHEETS 9 | SHEET NO. 6 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76E27 | |



| LOCATION | ADDITIONAL TREATMENT NO.1 | ADDITIONAL TREATMENT NO. 2 | WELL CHEMICAL TREATMENT | WELL CHEMICAL TREATMENT SPECIAL | SONAR JET TREATMENT |
|----------|---------------------------|----------------------------|-------------------------|---------------------------------|---------------------|
| WELL #8 | X | X | X | | |
| | | | | | |

•• DIST 8 DEEP WELLS 2011-1
 ••• MADISON & ST. CLAIR

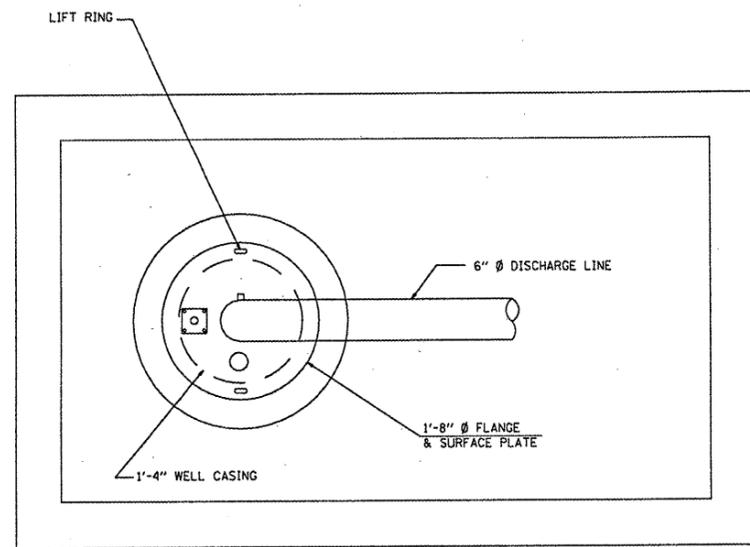
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

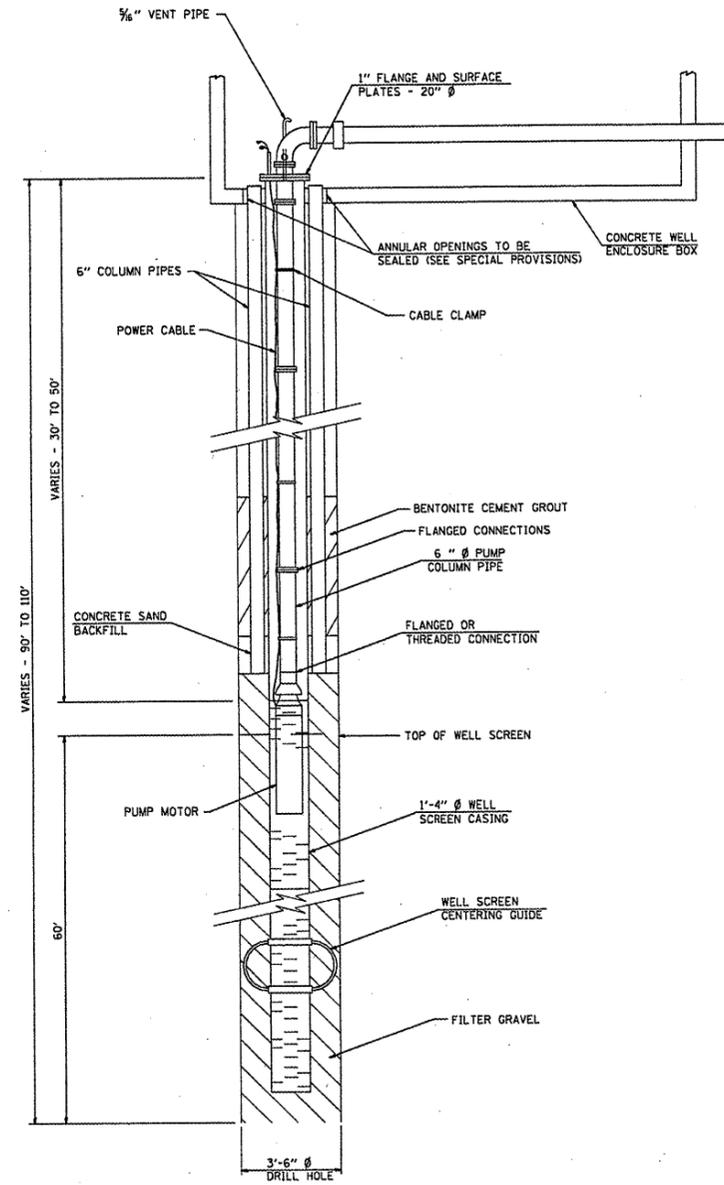
LOCATION 4 SITE PLAN 15TH STREET WELLS

| | | | | |
|---|---------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| V&B | •• | ••• | 9 | 7 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 76E27 | |

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



WELL HEAD DETAIL



EXISTING

NOT TO SCALE

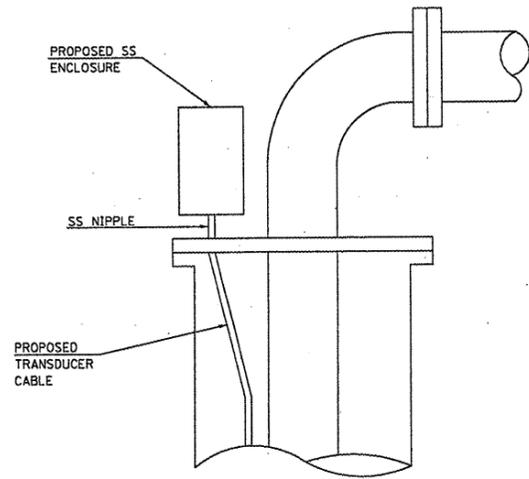
•• DIST 8 DEEP WELLS 2011-1
 ••• MADISON & ST. CLAIR

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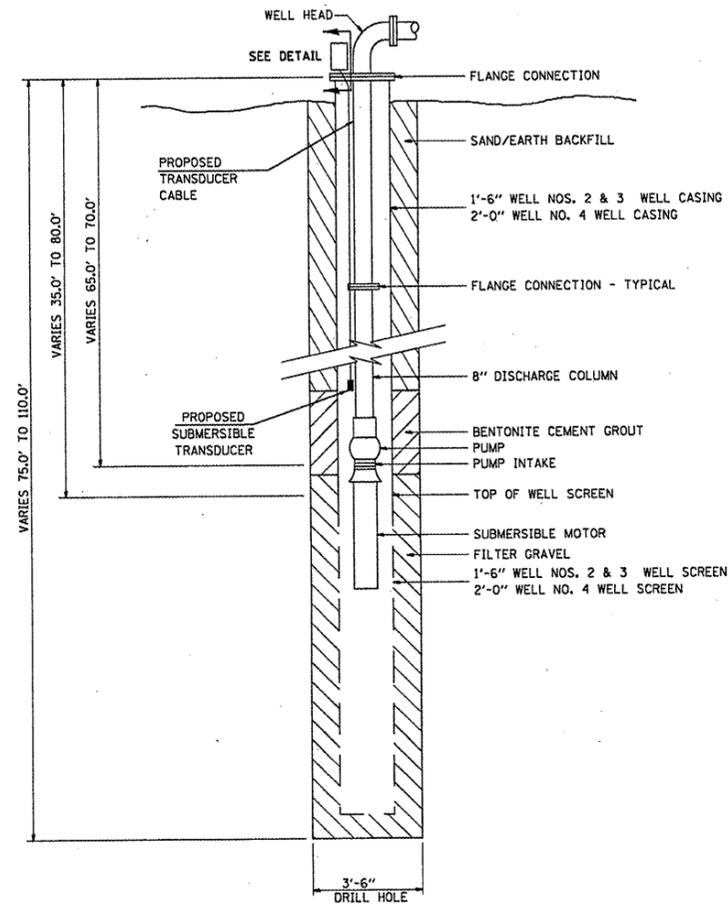
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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. |
|---|---------|--------|--------------|-----------|
| V88 | ** | *** | 9 | 8 |
| CONTRACT NO. 16E27 | | | | |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | |



WELL HEAD DETAIL



EXISTING

NOT TO SCALE

•• DIST 8 DEEP WELLS 2011-1
 ••• MADISON & ST. CLAIR

| | | | |
|-------------|----------------------|------------|-----------|
| FILE NAME = | USER NAME = #USER# | DESIGNED - | REVISED - |
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| | PLOT SCALE = #SCALE# | CHECKED - | REVISED - |
| | PLOT DATE = #DATE# | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL WELL DETAILS LOCATION 3

| | | | | |
|---|---------|--------|--|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| V&R | •• | ••• | 9 | 9 |
| SCALE: _____ | | | SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____ | |
| FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT | | | | |

CONTRACT NO. 76E27