STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

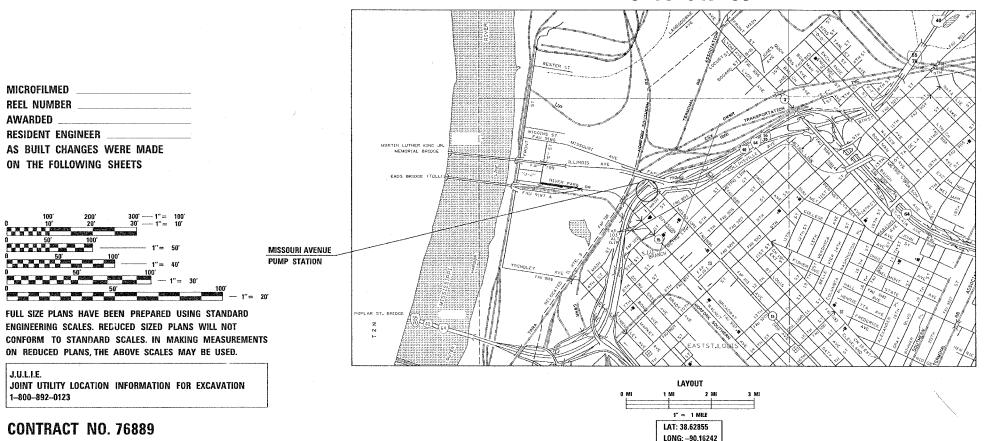
DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

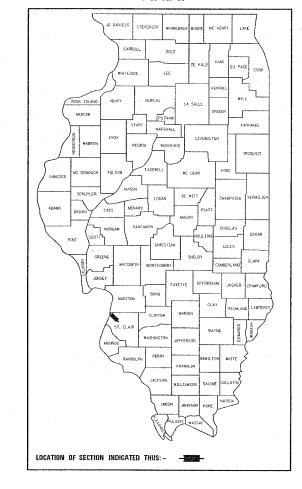
VARIOUS ROUTES (MISSOURI AVE. PUMP STATION) SECTION DIST 8 DEEP WELLS 2005-2 PROJECT: - -ST. CLAIR COUNTY DEEP WELL INSTALLATION

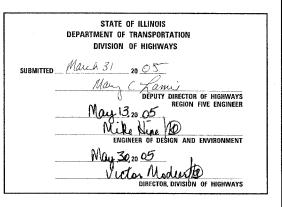
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ST. CLAIR 8 1 ** DIST 8 DEEP WELLS 2005-2

D-98-027-05





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 76889

1-800-892-0123

(618) 346 - 3159

SOUTHERLAND

WENDA

PROJECT

HANCOCK (618)

MICROFILMED

REEL NUMBER

RESIDENT ENGINEER

ST. CLAIR COUNTY SECTION DIST 8 DEEP WELLS 2005-2 VARIOUS ROUTES

INDEX OF SHEETS

SITE PLAN MISSOURI WELLS 5 SITE PLAN (MAGNIFIED) AND DETAILS 6-7 TYPICAL WELL DETAILS

COVER SHEET
INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
SUMMARY OF QUANTITIES

701301-02 702001-05 814001 000001-04 001006

COMMITMENTS

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET
•	**	ST. CLAIR	8	2
STA.		TO STA.		

- VARIOUS
- ** DIST 8 DEEP WELLS 2005-2

GENERAL NOTES

- 1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING, FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING JULLIE, OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. ACENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - * AMERENIP (GAS)

 - AMERENIP (CAS)
 AMEREN-UE (ELECTRIC)
 CHARTER COMMUNICATIONS, INC. (CABLE TV)
 LLLINDIS AMERICAN WATER CO. (WATER)
 LACLEDE PIPELINE CORP. (GAS TRANSMISSION)
 MCI NETWORK SERVICES, INC. (COMMUNICATIONS)
 MCLEOD USA TELECOMMUNICATIONS, INC. (COMMUNICATIONS)
 NETWORKS, 360 (COMMUNICATIONS)
 OWEST COMMUNICATIONS (COMMUNICATIONS)
 SER (COMMUNICATIONS)

 - SBC (COMMUNICATIONS)
 - * SPRINT COMMUNICATIONS CO. (COMMUNICATIONS)

(MEMBERS OF JULLIE. (800) 892-0123 ARE INDICATED BY *. NON-JULLIE. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)

- 3. THE RESIDENT ENGINEER SHALL LOCATE AND MARK THE EXACT LOCATIONS FOR ALL PROPOSED ITEMS PRIOR TO INSTALLATION BY THE CONTRACTOR.
- 4. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. 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.
- 5. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED
- 6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 7. FOR EXACT SITE LOCATION CONTACT DAVE WALKER AT THE ILLINOIS DEPARTMENT

ILLINOIS DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES

VARIOUS ROUTES SECTION DIST 8 DEEP WELLS 2005-2 ST. CLAIR COUNTY

DRAWN BY:

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

• VARIOUS.
• DIST 8 DEEP WELLS 2005-2

FAP ROUTE SECTION COUNTY TOTAL SHEET NO STA. TO STA.

STA. TO STA.

CONTRACT NO.: 76889

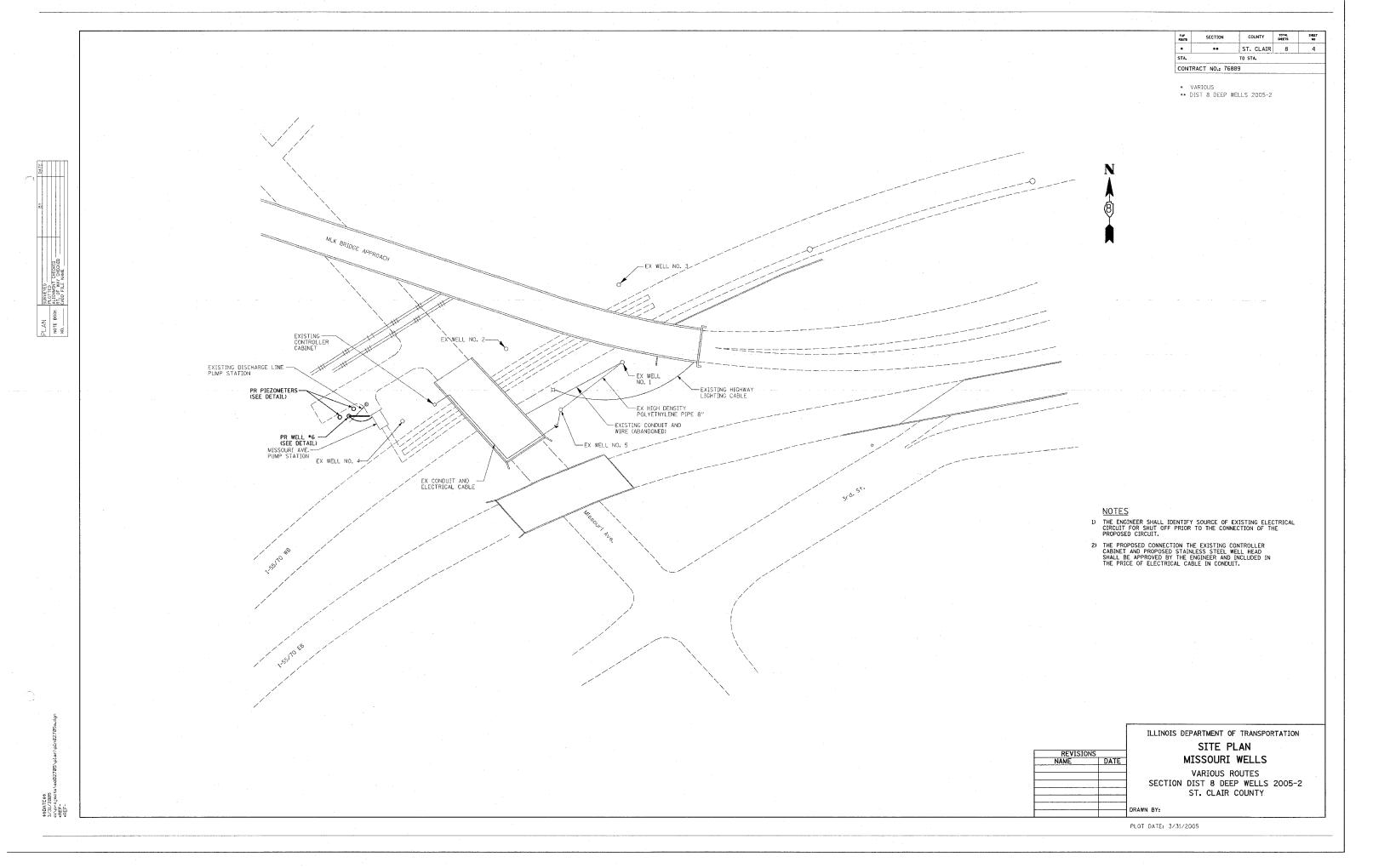
	CUMANDY OF CUANTETTE	F. C.		CONS	TRUCTION TYPE	CODE
	SUMMARY OF QUANTITIES	·	TOTAL	URBAN		
CODE NO	ITEM	UNIT	QUANTITIES	STATE 100% 9007		
67100100	MOBILIZATION	L SUM	1	1		
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	120	120		
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	120	120	41 1	
81702410	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	120	120		
X0323255	DRILLED WELL	EACH	1	1	N	
X0323816	SUBMERSIBLE TRANSDUCER	EACH	1	1		
X0324741	HIGH DENSITY POLYETHYLENE PIPE 8"	FOOT	120	120	. 1	
X0462500	SUBMERSIBLE PUMP	EACH	1	1		·
Z0040000	PIEZOMETERS	EACH	2 2	2		
X0324960	LOCATING STORM SEWER	FOOT	, 30	30		
.6900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	,	,		
6900530	SOIL DISPOSAL ANALYSIS	EACH	1.	/		
6900200	NON-SPECIAL WASTE DISPOSAL	cu. vo.	16	16	•	
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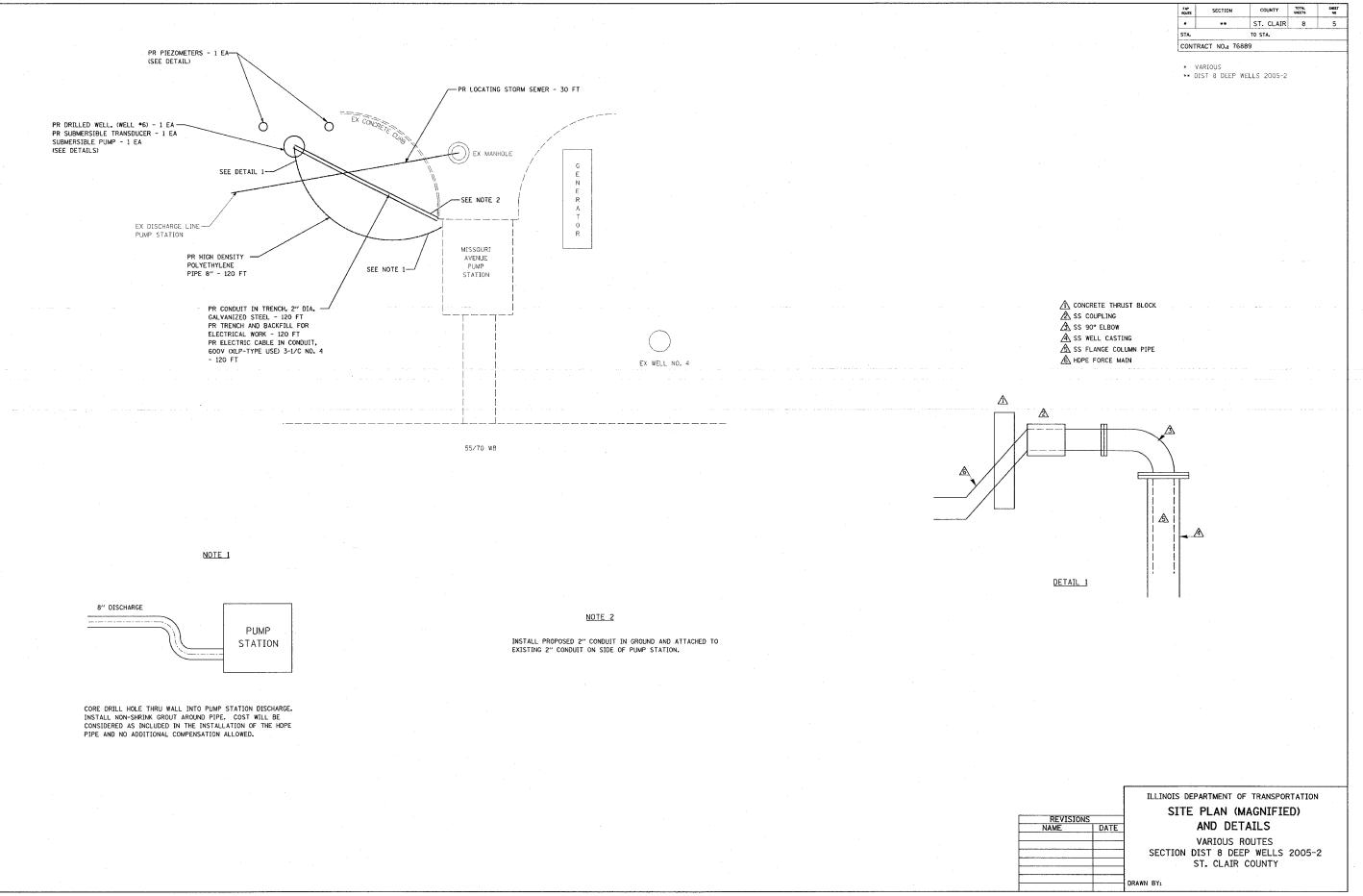
	SUMMARY OF	F QUAN	TITIES			CONS	TRUCTION TYPE (CODE
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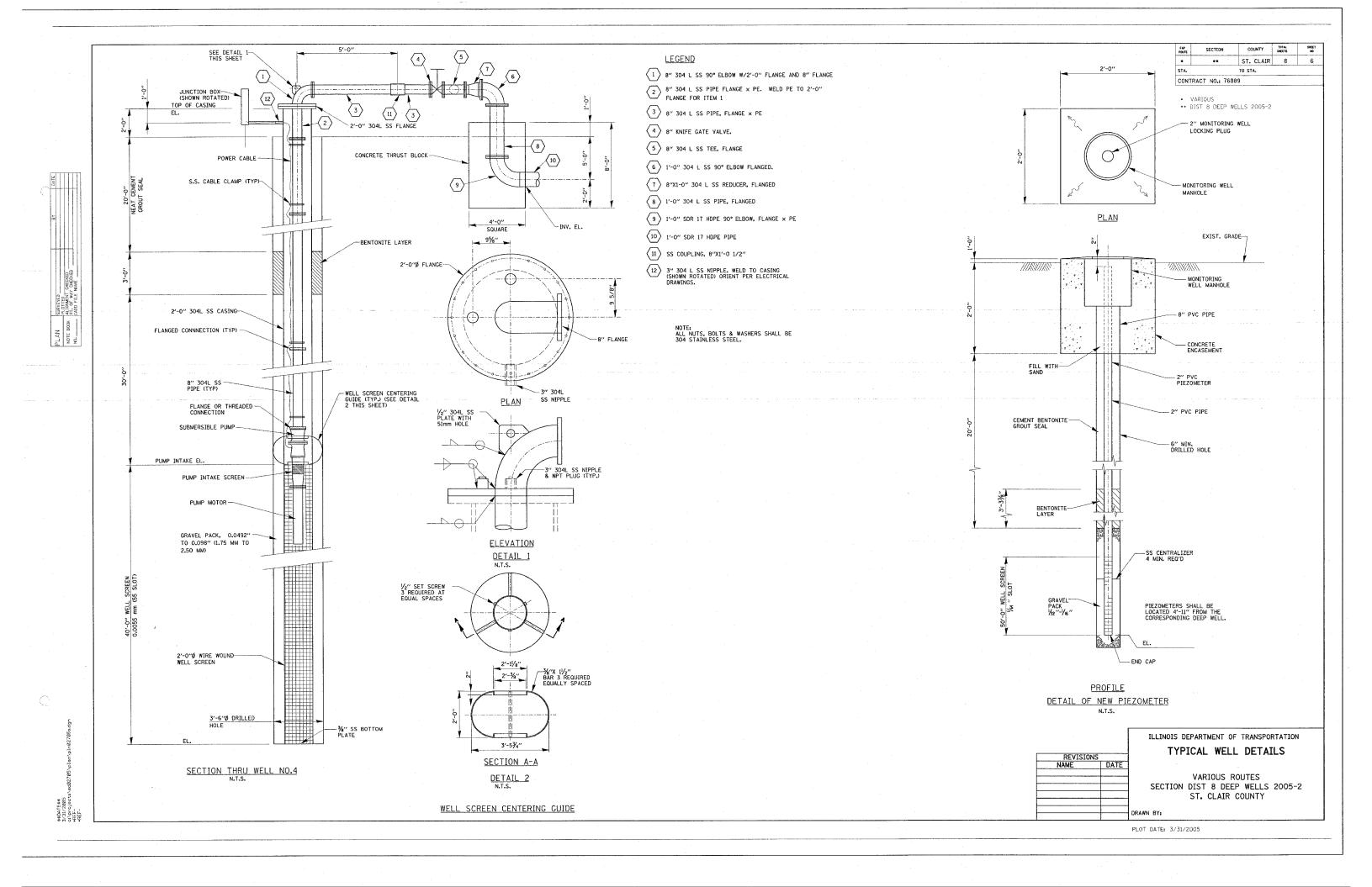
11/2405 projects/ed0270 F-F-

* SPECIALTY ITEMS



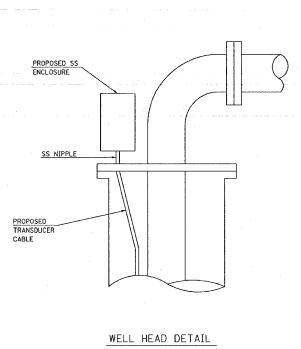


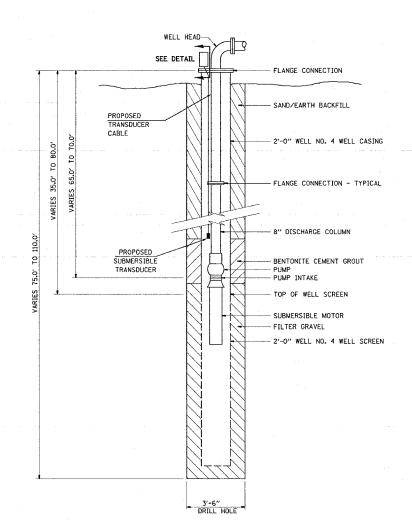
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FAP ROUTE	SECTION		cc	UNTY	TOTAL SHEETS	SHEET NO
•	**	ST. CLAIR		CLAIR	8	7
STA.		TO	ST	A.		
CONTR	ACT NO.: 7	6889				

- VARIOUS** DIST 8 DEEP WELLS 2005-2





EXISTING AND PROPOSED

ILLINOIS DEPARTMENT OF TRANSPORTATION TYPICAL WELL DETAILS VARIOUS ROUTES SECTION DIST 8 DEEP WELLS 2005-2 ST. CLAIR COUNTY DRAWN BY:

Illinois Departmen of Transportation Division of Highways likeis Department of Transportation			S	OIL BORING LOG			
Division of Highways Illinois Department of Transportation					Date	10/	250
ROUTE FAP 788 DESCRIPTION		_ Mis	souri .	Avenue - Weil Boring LOGGED	Y Ford	1 /Schi	read
SECTION 520-1,2 LOCAT	ION	, SEC.	, TWP.	, RNG. , PM			
COUNTY St. Clair DRILLING MI	ETHOD		Holle	ow Stem Auger HAMMER TYPE	140# /	Automa	tic
STRUCT. NO.	В	U	м	Surface Water Elevft D		u	м
Station E.	l r	C S	0	Stream Bed Elevft E	L	C	0
BORING NO. WB-11 T	W		s	Groundwater Elev.:	w		S
Station 5' East of Curb H	S	Qu	Т	First Encounter 59.5 ft Upon Completion ft	s	Ou	Т
Ground Surface Elev. ft 100.0 ft (ft)	(6")	(tsf)	(%)	After Hrs ft (1)	(6")	(tsf)	(%
NO SAMPLES				NO SAMPLES (continued)			
NO SAMPLES	1			· —	1		
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	5			Brown Fine to Medium SAND3 See Gradation @ 35 feet	5 9		4
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-	-	1		-	1		
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-2	ol	L	L	Brown Fine to Coarse SAND	0 5	Ш	

Division of Highways Illinois Department of Transportati							Date		2504
ROUTE FAP 788 DESCRIPTION			Mi	ssouri.	Avenue – Well Boring LOGG	ED B	Y Forc	I /Sch	reade
SECTION 520-1,2 LOG	CATIO	ON _	, SEC.	, TWP.	, RNG. , PM				
COUNTY St. Clair DRILLING	ME	THOD	_	Holle	ow Stem Auger HAMMER TYPE	1	40# <i>F</i>	lutoma	tic
STRUCT. NO.	D	В	U	м	Surface Water Elevft	D	В	U	М
Station	E	L	C	0	Stream Bed Elevft	E	L	c	0
ORING NO. WB-11	7	w		S	Groundwater Elev.:	T	w		s
Station 5' East of Curb	H	s	Qu	т	First Encounter 59.5 ft	H	\$	Qu	т
Offset Ground Surface Elev. ft 100.0 ft	(ft)	(6")	(tsf)	(%)	Upon Completionft After Hrs. ft	(ft)	(6")	(tsf)	(%)
Brown Fine SAND		-			Brown Medium to Coarse SAND	1	<u> </u>		_
See Gradation @ 85 feet					with some Gravel				
continued)					See Gradation @ 95 feet (continued)	_			
	-					_			
							1		
						5			
		39 50/5"	ļ	26	Gray Fine to Medium SAND	No. of Street	24	,,,,,,,,,,,	21
	-85	~	NC	20	See Gradation @ 105 feet	0 –105	4 22	NC	21
	-00					0 -100			
					End of Boring				
	-								
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11.5		48							
Brown Medium to Coarse SAND	-	39		19	· ·		ł		
vith some Gravel	-90	32	NC			-110	1		
See Gradation @ 95 feet]		
					·		-		
some Cobbles	-						1		
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		21		[1				
		18		14					
	-95	18	NC			-115			
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	-100	20	NC	1	i .	-120	i i		

of Transportation Division of Highways illlusis Department of Transportation	ion						Date	10	250
ROUTE FAP 788 DESCRIPTION			Mis	souri	Avenue - Well Boring LOGGE	D BY	forc	1 /Sch	read
SECTION 520-1,2 LO	CATIO	ON _	, SEC.	, TWP	, RNG. , PM				
COUNTY St. Clair DRILLING	ME	THOD		Holl	ow Stem Auger HAMMER TYPE	14	10# A	Automa	itic
STRUCT. NO	D E P	B . L	U C S	M 0	Surface Water Elevft Stream Bed Elevft	D E P	B L O	U C	M 0 I
Offset	T H	s	Оп	S T	Groundwater Elev.: First Encounter 59.5 ft Upon Completion ft	T H	s	Qu	S T
Ground Surface Elev. ft 100.0 ft	(ft)		(tsf)	(%)	After Hrs. ft	(ft)	(46")	(tsf)	(%
Brown Fine to Coarse SAND (continued) See Gradation @ 45 feet	<u>*</u>	9 12	NC	17	Brown Fine to Coarse SAND See Gradation @ 65 feet (continued)				
	-					\exists	18		
Start Rotary Mud	-45					-65	22 34	NC	24
·	_					_			
	-								
51.5	-	15				-	7		
Brown Fine to Coarse SAND See Gradation @ 65 feet		20		24			12 24	NC	19
Joe Gradation @ 55 reet	50	25	NC			70	24	NC	
	-					\exists			
	-					-			
	\neg	12			26.5		23		
		16		21	Brown Medium to Coarse SAND		20		16
	-55	23	NC		with some Gravel See Gradation @ 75 feet	-75	22	NC	
						\exists			
	-					-			
		16			21.5		9		
	_	18	-	22	Brown Fine SAND See Gradation @ 85 feet	-	42	-	27
	~60	17	NC		See Cradellon & CO 1861	-80	50	NÇ	ı

ILLINOIS DEPARTMENT OF TRANSPORTATION

COUNTY TOTAL SHEETS

ST. CLAIR 8

TO STA.

STA.

CONTRACT NO.: 76889

* VARIOUS
** DIST 8 DEEP WELLS 2005-2

SOIL BORING LOGS

VARIOUS ROUTES
SECTION DIST 8 DEEP WELLS 2005-2
ST. CLAIR COUNTY