346-3159	
(61	195
PROJECT ENGINEER: WENDA SO ITHERLAND (613) 346-3159	I: GREG HANCOCk (618) 346-3195
20	30
ENDA	HANC
ER: V	GREG
FNGINE	QUAD LEADER:
ROJECT	auAD

MICROFILMED **REEL NUMBER** AWARDED

RESIDENT ENGINEER

AS BUILT CHANGES WERE MADE ON THE FOLLOWING SHEETS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED

HIGHWAY PLANS

STANDARDS

INDEX OF SHEETS

SUMMARY OF QUANTITIES PLAN AND PROFILE SHEET

TRAFFIC CONTROL SHEET

DETAILS OF PRECAST BOX CULVERTS

DETAILS OF CONCRETE COLLAR CULVERT EXTENSIONS

COVER SHEET

PLAN VIEW

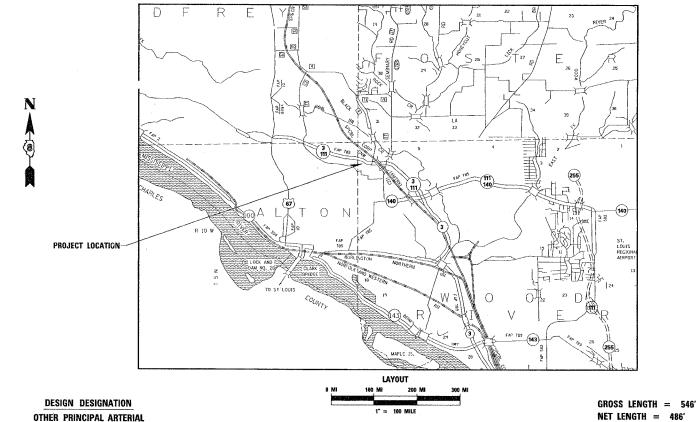
BORING LOGS 10-15 CROSS SECTIONS

GENERAL NOTES

000001-04 701101-01 701106-01 702001-05 780001-01

FAP ROUTE 789 (IL RTE. 3 /111) **SECTION 1T CULVERT REPLACEMENT MADISON COUNTY**

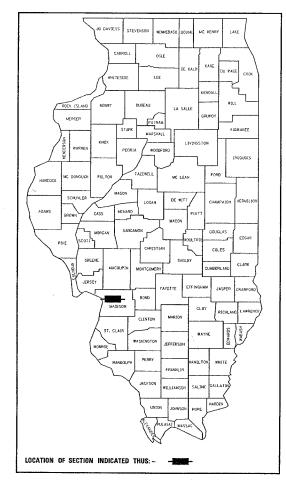
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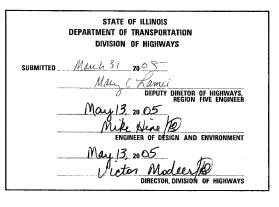


YEAR NUMBER 2001 28800 2023 40000 4.2% S.U. M.U. 1.4%

D-98-025-03

MADISON





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 76648

1-800-892-0123

MADISON COUNTY

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

SECTION 1T

FAP ROUTE 789

PLOT DATE: 3/30/2005

GENERAL NOTES:

- 1. THE ASSHTO DESIGNATION IS M 259 FOR ALL PRECAST CONCRETE BOX CULVERTS. THE 10'x8' BOX CULVERT DOES EXCEED APPLICABLE AASHTO SPECIFICATIONS.
- 2. INLET AT STA, 219+07, 110' RT. CANNOT BE LOCATED ON MICROFILM NOR DOES A PERMIT EXIST. UNABLE TO LOCATE POSSIBLE INVERT ELEVATIONS.
- 3. ALL EXISTING CULVERT FLOW LINES, INVERTS, ETC. TAKEN FROM MICROFILM AND VARIATIONS MAY EXIST IN
- 4. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING, FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING JULLILE. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY, AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - * AMERITECH (COMMUNICATIONS)

 - * AMEREN UE (GAS) * AMEREN UE (ELECTRIC)
 - * CHARTER COMMUNICATIONS (COMMUNICATIONS)
 * ILLINOIS AMERICAN WATER (WATER)

 - * LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)
 - * SPRINT COMMUNICATIONS CO. (COMMUNICATIONS) * WORLDCOM (COMMUNICATIONS)

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

- 5. SOIL BORINGS INDICATE THAT SANDSTONE COULD BE DIRECTLY BELOW THE FLOW LINES OF THE PROPOSED STRUCTURE. AN ESTIMATED AMOUNT OF ROCK EXCAVATION HAS BEEN INCLUDED. IF THE PAY ITEM IS NOT NEEDED IT SHALL BE DEDUCTED FROM THE CONTRACT.
- 6. SOME RIPRAP EXISTS ON THE JOB SITE, THE CONTRACTOR SHALL STOCKPILE THE EXISTING RIPRAP REQUIRED TO BE REMOVED FOR EXCAVATING. THE CONTRACTOR SHALL INCORPORATE THE RIPRAP DURING BACKFILLING AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM PRECAST CONCRETE BOX CULVERT AND NO ADDITIONAL COMPENSATION SHALL BE REQUIRED.
- 7. SEVERAL INLETS DRAIN INTO THE EXISTING PIPE CULVERT, THE CONTRACTOR SHALL CONNECT ALL LATERAL PIPES INTO THE PROPOSED BOX CULVERT, INCLUDING COLLARS, THE CONTRACTOR SHALL EXPOSE ALL KNOWN INLET PIPES SO THE RESIDENT ENGINEER CAN DETERMINE A FLOW LINE ELEVATION. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM PRECAST CONCRETE BOX CULVERT AND NO ADDITIONAL COMPENSATION SHALL
- 8. ANY COLLARS REQUIRED TO CONNECT SKEWED CULVERTS SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- 9. THE CONTRACTOR SHALL BE REQUIRED TO DEVELOP THE DESIGN FOR THE TEMPORARY SHEET PILING, THE REQUIREMENTS OF THE DESIGN ARE LISTED IN THE SPECIAL PROVISION TEMPORARY SHEET PILING UNDER THE HEADING GENERAL, AN ESTIMATED AMOUNT IS INCLUDED IN THE PLANS FOR BIDDING AND PAY ITEM
- 10. A QUANTITY OF 112 FT. OF PAVEMENT MARKING HAS BEEN INCLUDED TO REPAIR EDGE LINES A QUANTITY OF 36 FT. OF PAVEMENT MARKING HAS BEEN INCLUDED TO REPAIR CROSS WALK A QUANTITY OF 18 FT. OF PAVEMENT MARKING HAS BEEN INCLUDED TO REPAIR STOP BAR
- 11. A QUANTITY OF 36 FT. OF SHORT-TERM PAVEMENT MARKING HAS BEEN INCLUDED FOR THE CROSS WALK A QUANTITY OF 36 FT, OF SHORT-TERM PAVEMENT MARKING HAS BEEN INCLUDED FOR THE STOP BAR

COMMITMENTS

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

	T	
MIXTURE USE	PATCHING	SHOULDERS
AC/PG	PG 64-22	PG 58-22
RAP % (MAX)	10%	30%
DESIGN AIR VOIDS	4.0% @ Ndes = 90	2.0% @ Ndes;= 30
MIX COMPOSITION		
(GRADATION MIXTURE)	IL. 19.0	
FRICTION AGG	MIXTURE B	ВАМ

SHEET 789 MADISON 15 TO STA. CONTRACT NO.: 76648

REVISIONS	ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES
NAME DATE	FAP ROUTE 789 SECTION 1T
	MADISON COUNTY DRAWN BY:
PLO	I DATE: 3/30/2005

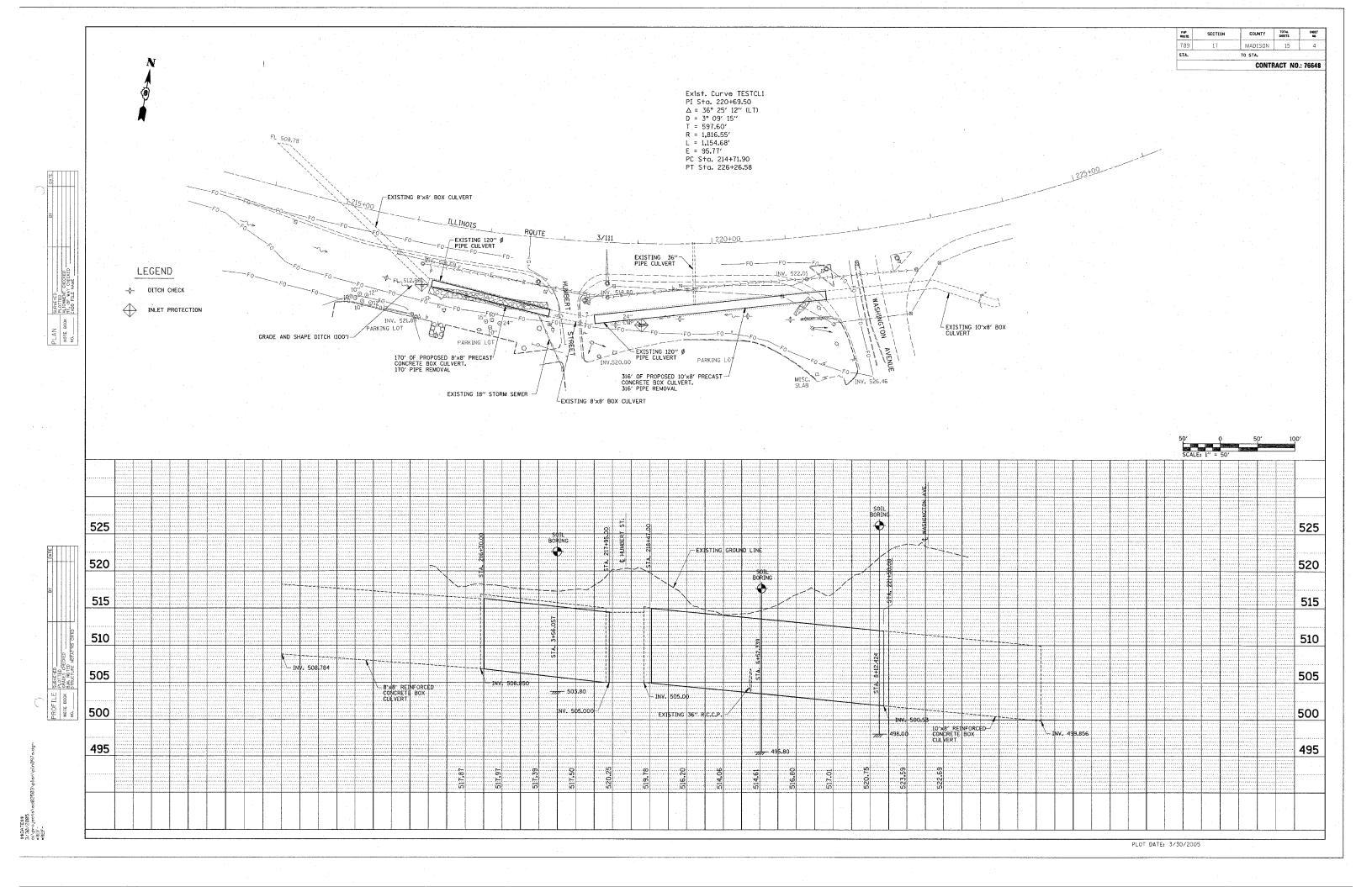
ILLINOIS DEPARTMENT OF TRANSPORTATION

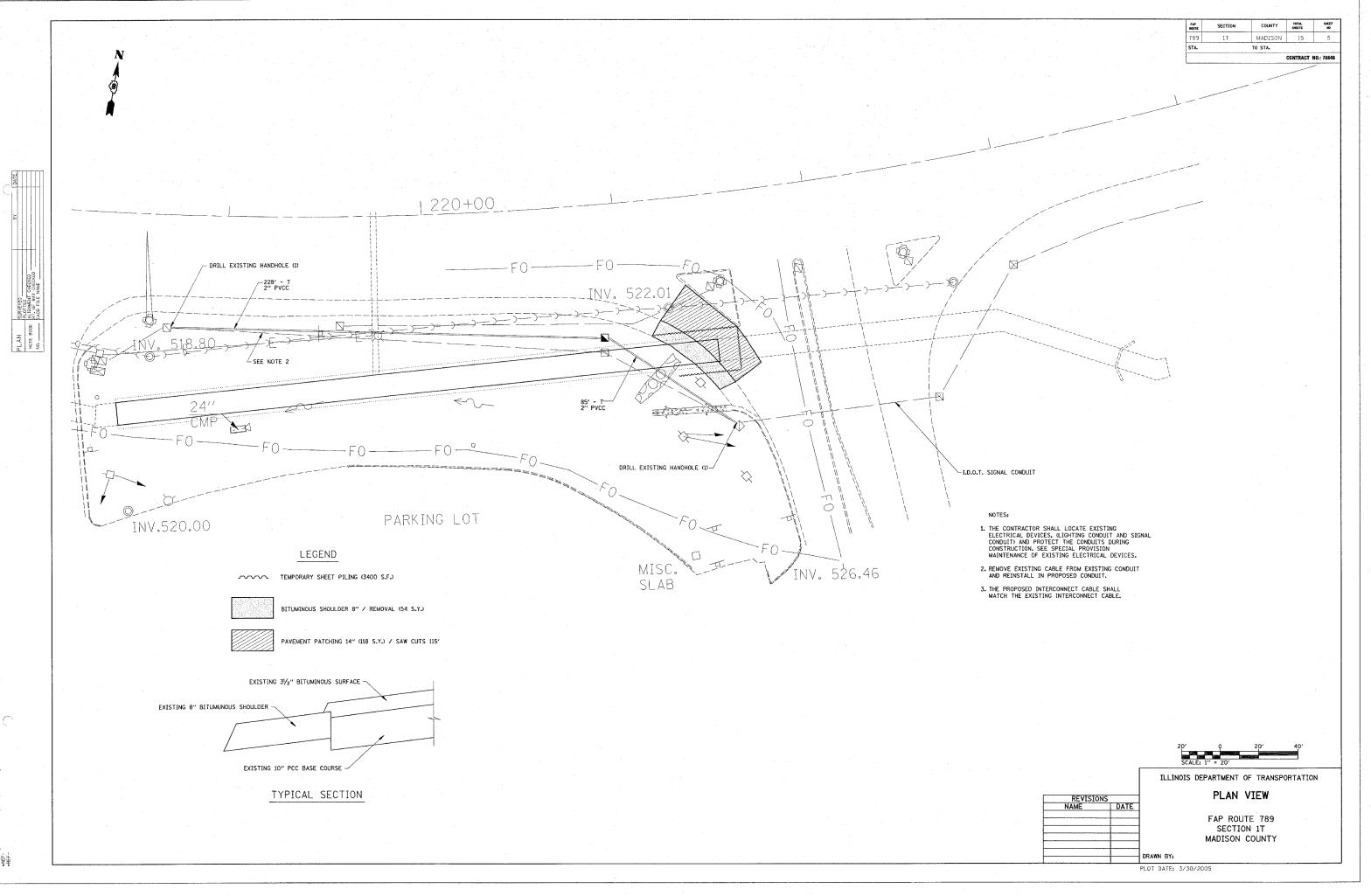
SUMMARY OF QUANTITIES

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET
789	ΕT	MADISON	15	3
STA.		TO STA.		

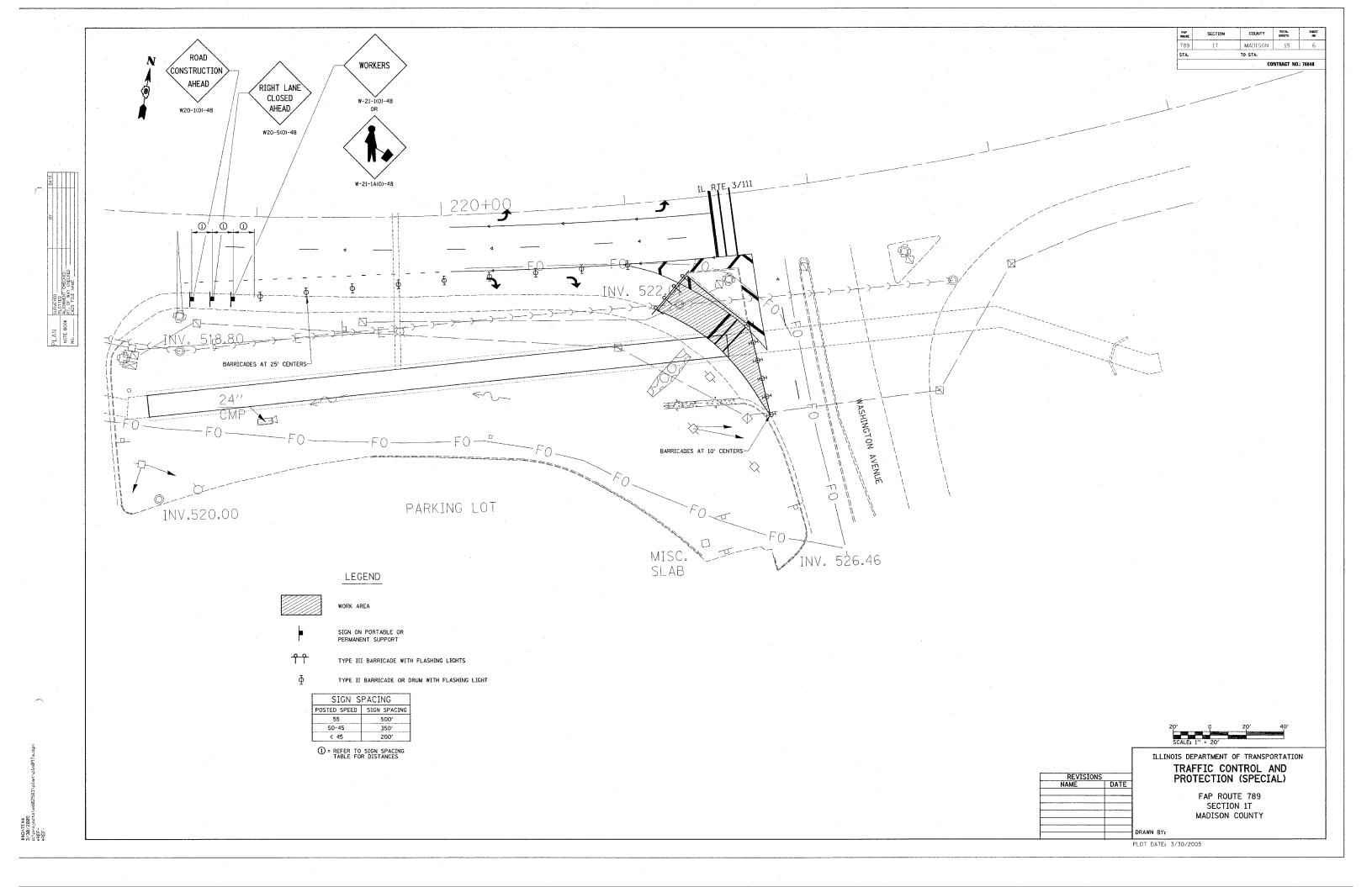
CODE NO 20200200 21400100 25000200 28000250	SUMMARY OF QUANTITIES ITEM ROCK EXCAVATION	UNIT	TOTAL QUANTITIES	Y007 100% STATE		
21400100 25000200 28000250		CII VO	1			
25000200 28000250	CRAPTHO AND CHARTNO DYTOUTO	CU YD	44	44		
28000250	GRADING AND SHAPING DITCHES	FOOT	100	100		
	SEEDING, CLASS 2	ACRE	0.7	0.7		
	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100		
28000300	TEMPORARY DITCH CHECKS	EACH	7	7		
28000500	INLET AND PIPE PROTECTION	EACH	2	2		
44001430	BITUMINOUS SHOULDER REMOVAL	SQ YD	54	54		
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SQ YD	118	118		
44213200	SAW CUTS	FOOT	115	115		
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	54	54		
50105220	PIPE CULVERT REMOVAL	FOOT	486	486		
51205200	TEMPORARY SHEET PILING	SQ FT	3400	3400		
54010808	PRECAST CONCRETE BOX CULVERT 8' X 8'	FOOT	170	170	-	
54011008 67100160 70101800	PRECAST CONCRETE BOX CULVERT 10' X 8' MOBILIZATION TRAFFIC CONTROL AND PROTECTION (SPECIAL)	FOOT LSUM L SUM	316 / 1	316 / 1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	72	72		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	24	24		
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	112	112		
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	36	36		
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	18	18		
80300100	LOCATING UNDERGROUND CABLE	FOOT	300	300		
81012600	CONCULT IN THENCH, 2" PVC	FOOT	313	313		
81400400	CONCRETE HANDHOLE	EACH	1	1		
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	313	313		
87301715	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18, 6 PAIR	fоот	98	98		7
87900200	DRILL EXISTING HANDHOLE	EACH	2	2		
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	228	228		
89502380	REMOVE EXISTING HANDHOLE	EACH	i	1		

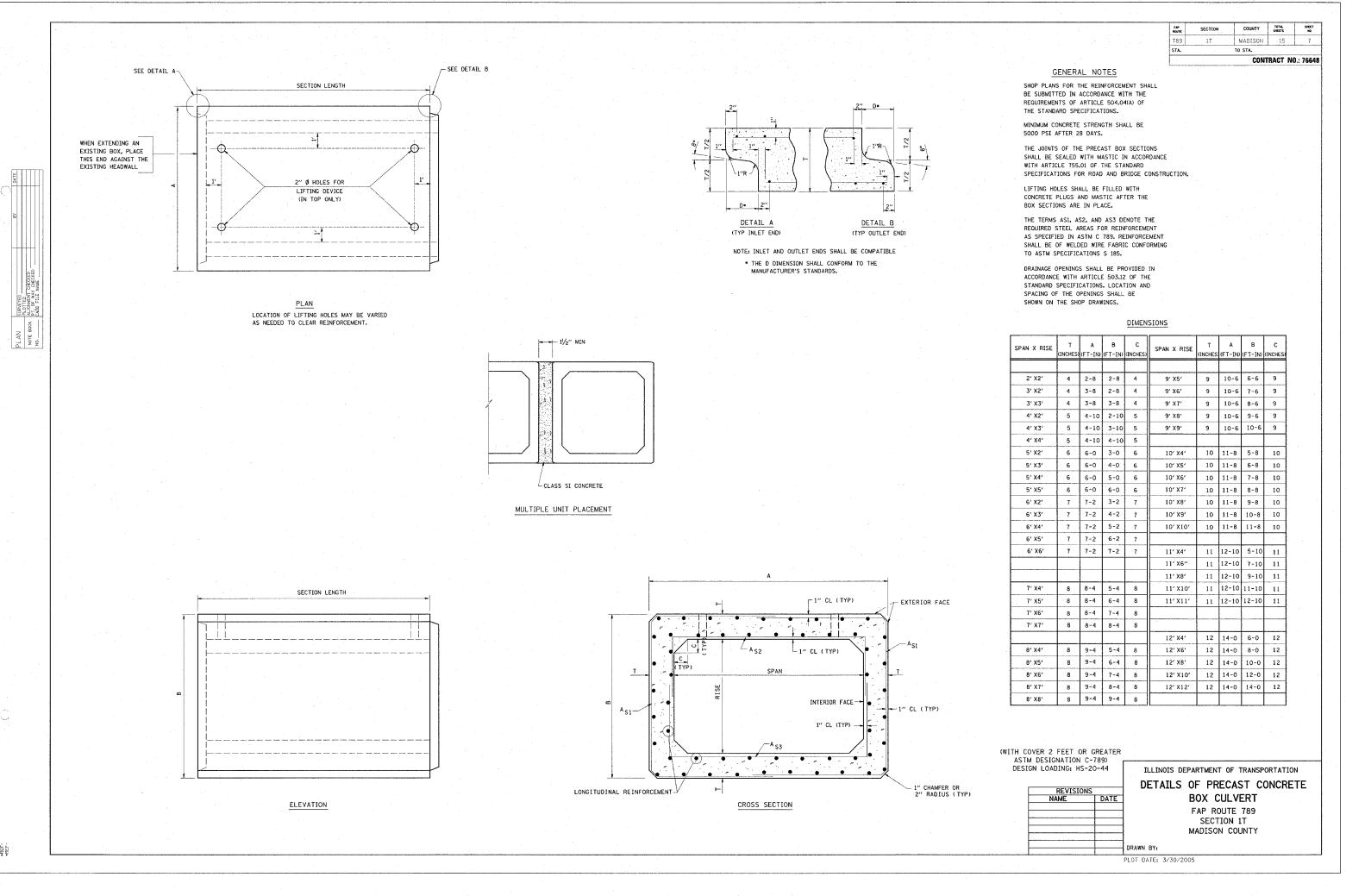
<u> </u>						CUNTRACT NO.:
	SUMMARY OF QUANTITIES			CON	STRUCTION TYPE	CODE
CODE NO	ITEM	UNIT	TOTAL QUANTITIES			
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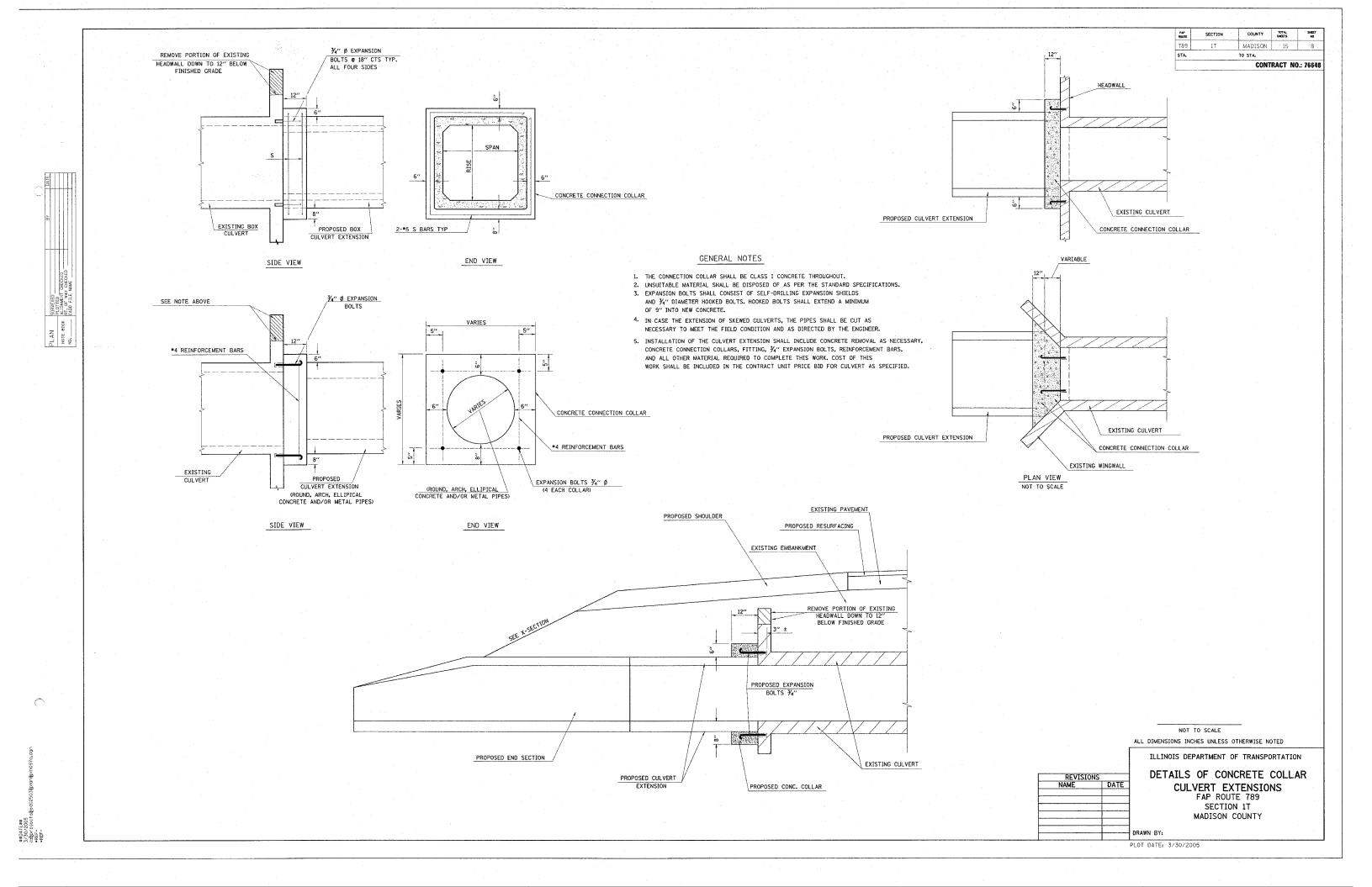


UHIE 3/30/2005 c:\projects\ed02503\plan\pln097a.dg





738/2085 /projects/ed82583\plan\pln897e.



of Transportatio	on .	_				Date	11/	1402
		Humi	culver pert St	ton s reetar	outh side of IL 3/111 between d Washington Street in Alton LOGGED BY	· L	arry_F	ord
SECTION 1T LOC	ATIC	ON _	NW 1	/4, SE	C. 6, TWP. 5N, RNG. 9W, 3 PM			
COUNTY Madison DRILLING	MET	THOD		Holk	ow Stem Auger HAMMER TYPE 14	10# A	utoma	tic
STRUCT. NO.	D	В	U	М	Surface Water Elevft D	В	U	м
Station	E	L	C S	0	Stream Bed Elev. ft E	L	C S	0
RORING NO 2	T	w	_	s	Groundwater Elev.:	w.	- 1	s
BORING NO. 2 Station 221+40	н	s	Qu	T	First Encounter 501.5 ft 🔻 H	s	Qu	T
Offset 78,00ft RT CL Ground Surface Elev. 520,97 ft	(ft)	(16 11)	(tsf)	(%)	Upon Completion ft After Hrs. ft (ft)	(6")	(tsf)	(%)
Ground Surface Elev. 520.97 R	11.57	,,,	(101)	(707	After Hrs. ft (ft) Gray Clay LOAM (continued) 500.5	4	0.6	22
Gray and Brown Silty CLAY	-				5.07 5.07 25.00 (50.00.00) 800.0	17	S/10	9
					Brown Weathered SANDSTONE		NC	
		2			with Gray Limestone Matrix	10	NP	10
		2	1.4		498.5 Gray LIMESTONE 498.0			
		1	S/15	21	Stopped drilling - too hard - no		'	
					more penetration			
		2			End of Boring			
-	5	4	2.0		25			
		6	S/10	25				
		3			·			
	-	5	1.3		****			
		4	S/15	23				
					SAMPLE TO	-		
	10	2			30			
	-10	1	0.9					
		3	S/10	26				
	\dashv				-			
508.5	-	3	2.2	19	' -			
		2	S/10					
Gray Sandy Clay LOAM	1	2	0.9	20				
	-		S/10 /				.	
	-15	2			-35			
		2	0.7					
-		4	S/15	21	-	- 2		
504.0	+							
Brown SAND 503.5		3	NC	4				
		1	0.0					
Gray Clay LOAM	-	2	0.6	24	l			
;	-				.			
-	-20	3			-40			

Division of Highways:	PTION LLING	ME D E P T H	ON _	U C S	M O I S T	Suri Str Gro Fir	tem A	Auger later Ele Bed Ele ter Elev ounter mpletic	9W,:	3 PM HAM	MER 506.8	TYP ft ft	E	ВΥ			ord
SECTION	LUNG	ME D E P T H	THOD B L O W S	U C S	M O I S T	Suri Str Gro Fir	tem A	Auger later Ele Bed Ele ter Elev ounter mpletic	9W,:	3 PM HAM	MER 506.8	TYP ft ft	E				
STRUCT. No. Station		DEPTH	B L O W S	Ou C S	M 0 1 S T	Sur Str Gro Fir Up	ace W ream I undwar st Enco	ater Ele Bed Ele ter Elev ounter mpletio	ev		506.8	ft ft	T	14	D# A	Autom	atic
Station Station Station No.	_	E P T H	U W S	C S Qu	O I S T	Gro Fir Up	undwa st Enco	ter Elev ounter mpletic	 n _	6	8.80	ft	- 1				
Ground Surface Elev. 518.34	ft	H	w s	Qu	S		on Co	mpietic	n _	6	8.800	_ ft	¥				
Brown Silty CLAY					1	#						ft					
				l.	1												
			6 7	3.5 S/15	18												
		_		<u></u>													
		5	4	2.9	-												
			3	S/15	23												
	510.8	_	2	0.6 S/10	16												
Limestone GRAVEL Bedding Material for Pipe Culvert	509.3		6	NC	8	1.											
Brown and Gray Silt LOAM		-10	2	0.4													
	506.8		1	S/10	26												
Gray Silty CLAY			3														
	504.8		3 50/5"	1.6 S/10	18									ł			
Gray SANDSTONE (Drillable, Hard)	503.8	-15	10	NP	_												
End of Boring		5															
														-			

of Transporta Division of Highways Billinois Department of Transp					OIL BORING L	.ou	Date	a 11	14/02
		Box	Culver	rt on s	outh side of IL 3/111 between ad Washington Street in Alton	LOCCE	D BV		
						LOGGE	J 61	Larry F	oru
SECTION 1T	LOCA	TION _	NM :	1/4, SE	C. 6, TWP. 5N, RNG. 9W, 3 PM				
COUNTY Madison DRILL	ING N	METHOD		Holl	ow Stem Auger HAM	MER TYPE	140#	Automa	atic
STRUCT. NO.	_ [c		U	м	Surface Water Elev.	ft	D B	U	м
Station			c	0	Stream Bed Elev.		E L	C S	١º
BORING NO. 3	- 15		l °	s	Groundwater Elev.:		T W	*	Ιs
Station 219+85	- 1		Qu	Ŧ		03.8 ft 🔻		Qu	Ť
Offset 61,00ft RT_CL	- 1:		i	1	Upon Completion	ft		1	
Ground Surface Elev. 522.83	ft (f	t) (46")	(tsf)	(%)	After Hrs.	ft	(ft) (/6")		(%
0 1 0 0"b 01 AV		_ '			Brown and Gray Clay LOAM (continued)	1	5	2.6 S/10	22
Gray and Brown Silty CLAY	100.00				(continued)		_ <u> </u>	5/10	1 22
		+	1	ļ	H		\dashv		
		3					4		
		- 4 5	1.6 S/15	21			- 4 5	1.5 S/10	18
			5/15	- 21	-		+°	5/10	18
		-			lj.				
		5 4					-25 4		
		4	1.7	I			- 5	2.0	l
	_	5	S/15	21			7	S/10	18
		\dashv	1	l	Gray LIMESTONE and	496.3 495.8		NP	
	-	4			SANDSTONE	400.0			
	_	5	2.4		(Hard Drilling)			1	
		7	S/15	23	End of Boring			1	
	_	-			-			1 .	
	-	10 3					-30	1	
		5	1.3	l	1			1	l
	_	6	S/10	22	1				ŀ
		-	1				\dashv	1	ŀ
		5						1	
	_	_ 5	1.8	I				1	1
		5	S/10	20	4.				
. 50	98.3	4		'	<u> </u>	-			
, Di		15 2					-35	1	
Gray Clay LOAM	-	3	1.0	1			\neg	1 .	
		2	S/10	23	-			1	
50	06.3	-					\dashv		
Gray Silty Clay LOAM	*****	1	İ					1	1
		2	1.0						
		2	S/15	23			\dashv		
	3.8 ▼	-	Ì	1				1	1
Brown and Gray Clay LOAM	_	20 3	Ì	1			-40		1

ROUTE	SECTION	COUNTY	SHEETS	SHEET					
789	1T	MADISON	15	g					
STA.		TO STA.							
		CONTI	RACT NO	.: 76648					

ILLINOIS DEPARTMENT OF TRANSPORTATION SOIL BORING LOGS FAP ROUTE 789 SECTION 1T MADISON COUNTY

DRAWN BY:

PLOT DATE: 3/30/2005

