

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

ARRA PROGRAM

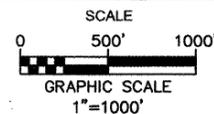
FAU ROUTE 8853 (LINDENTHAL AVE.)
SECTION 08-00060-00-RS
PROJECT ARA-5011(263)
JOB NO C-98-333-09

CITY OF HIGHLAND
MADISON COUNTY

R5W



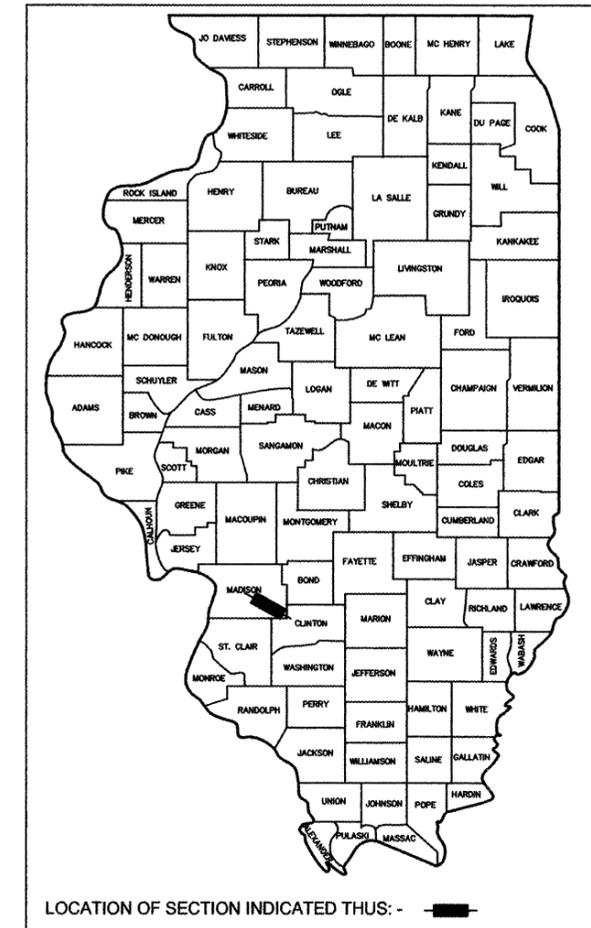
LOCATION MAP



LENGTH OF PROJECT = 2340.36' = 0.44 MILES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8853	08-00060-00-RS	MADISON	7	1
FED. ROAD DIST. NO. 8		ILLINOIS	CONTRACT NO. 97373	

FEDERAL AID PROJECT



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 03/20/09
Joseph R. Michaelis
MAYOR OF HIGHLAND

PASSED 3/30/09
[Signature]
District 8 Engineer of Local Roads & Streets

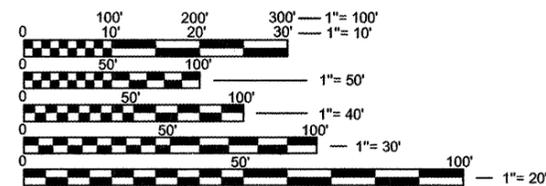
RELEASING FOR BID
BASED ON LIMITED
REVIEW 3/30/09
[Signature]
Deputy Director of Highways, Region 5 Engineer

INDEX OF SHEETS

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES & GENERAL NOTES
- 3 SCHEDULES
- 4 TYPICAL SECTION & DETAIL SHEET
- 5-7 PLAN SHEETS

HIGHWAY STANDARDS

- 000001-05
- 442201-03
- 606001-04
- 701301-03
- 701311-03
- 701501-05
- 701901-01
- 720001-01
- 720006-02
- 780001-02
- BLR 18-5



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



EXPIRES
11/30/09

Steven M. Keil DATE: 03/20/09
STEVEN M. KEIL
IL P.E. NO. 062-048092



SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	635
40600300	AGGREGATE (PRIME COAT)	TON	13
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1185
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	8465
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	10
44201349	CLASS C PATCHES, TYPE I, 10 INCH	SQ YD	5
44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	11
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	39
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	62
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6964
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	10
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	696
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	77
72000100	SIGN PANEL - TYPE 1	SQ FT	33
73000100	WOOD SIGN SUPPORT	FOOT	121
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1030
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	1561
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	26

* SPECIALTY ITEM

GENERAL NOTES

1. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. ILLINOIS LAW REQUIRES A MINIMUM 48-HOUR NOTICE TO ALL UTILITY COMPANIES BEFORE DIGGING. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123 AND PROVIDING 48 HOURS ADVANCE NOTICE. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED BELOW.

2. ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 1.5 FEET CLEARANCE, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.

3. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. ALL ARE MEMBERS OF J.U.L.I.E., UNLESS NOTED OTHERWISE.

AMEREN IP (GAS & ELECTRIC)
2600 NORTH CENTER
MARYVILLE, IL 62062
(618) 346-1287

CHARTER COMMUNICATIONS (CABLE TV)
210 WEST DIVISION STREET
MARYVILLE, IL 62062
(618) 345-8121

CITY OF HIGHLAND (WATER, SEWER & ELECTRIC)
2610 PLAZA DRIVE
HIGHLAND, IL 62249
(618) 654-7511

VERIZON COMMUNICATIONS (TELEPHONE)
111 EAST STATE STREET
MASCOUTAH, IL 62258
(618) 566-9815

4. THE ABOVE INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO THE LOCAL AGENCY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN PREPARING HIS/HER BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.

5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.

6. THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

7. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

8. THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION AT HIS OWN COST. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SEEDING DISTURBED AREAS.

9. ANY UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR AND REPLACED WITH SUITABLE MATERIAL AS APPROVED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."

10. THE CONTRACTOR SHALL NOTE THE LOCATION OF ALL MANHOLE AND VALVE VAULT FRAMES AND LIDS LOCATED WITHIN THE RESURFACING LIMITS. APPROPRIATE CARE SHALL BE TAKEN TO PROTECT THESE ITEMS DURING MILLING OPERATIONS.

11. HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR ALL PCC PATCHING.

12. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED AFTER MILLING OPERATIONS. MILLED SURFACE MUST BE RESURFACED WITHIN 10 CALENDER DAYS. FULL DEPTH SAW CUTS SHALL BE REQUIRED ALONG THE LIMITS OF THE PATCH. FULL DEPTH SAW CUTS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT COST BID OF THE VARIOUS CLASS C PATCHES INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

13. THE CONTRACTOR SHALL APPLY SHORT TERM PAVEMENT MARKINGS TO THE MILLED, PRIMED AND EACH HOT-MIX ASPHALT LAYER. A QUANTITY FOR SHORT TERM PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING TIMES THE NUMBER OF REQUIRED APPLICATIONS HAS BEEN INCLUDED IN THE PLANS. ONLY THE FINAL APPLICATION OF SHORT-TERM PAVEMENT MARKINGS SHALL BE REMOVED AND SEPARATE PAYMENT WILL BE MADE FOR WORK ZONE PAVEMENT MARKING REMOVAL.

14. THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER, IF NECESSARY, TO MATCH FIELD CONDITIONS.

15. ALL SIGN ASSEMBLIES SHALL BE MOUNTED WITH APPROPRIATE SUPPORTING CHANNELS AND HARDWARE, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT COST BID OF THE SIGN PANEL - TYPE 1 INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

16. APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:

BITUMINOUS MATERIALS (PRIME COAT)	0.075 GAL/SY
AGGREGATE (PRIME COAT)	3 LBS/SY
HOT-MIX ASPHALT	112 LBS/SQYD/INCH THICKNESS

COMMITMENTS

1. NONE

FILE NAME = 853MN01.DWG	USER NAME = BILL TINDALL	DESIGNED: BET 2009-02-25	REVISED -
		DRAWN: BET 2009-02-25	REVISED -
	PLOT SCALE = 6" = 1'	CHECKED: BSH 2009-02-25	REVISED -
	PLOT DATE = 2009-02-25	DATE: SMK 2009-02-25	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
& GENERAL NOTES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8853	08-00060-00-RS	MADISON	7	2
CONTRACT NO. 97373				
FED. ROAD DIST. NO. 8		ILLINOIS	FED. AID PROJECT	

SIGN SCHEDULE					
STATION	LOCATION	TYPE	APPROXIMATE SIZE	SIGN PANEL TYPE 1 72000100 (SQ FT)	WOOD SIGN SUPPORT 73000100 (FOOT)
11+12	RT	W16-1	1.5 x 2	3	11
12+85	LT	W16-1	1.5 x 2	3	11
15+01	RT	W16-1	1.5 x 2	3	11
16+80	LT	W16-1	1.5 x 2	3	11
19+00	RT	W16-1	1.5 x 2	3	11
20+79	LT	W16-1	1.5 x 2	3	11
22+94	RT	W16-1	1.5 x 2	3	11
24+77	LT	W16-1	1.5 x 2	3	11
26+98	RT	W16-1	1.5 x 2	3	11
28+67	LT	W16-1	1.5 x 2	3	11
32+23	LT	W16-1	1.5 x 2	3	11
TOTALS				33	121

PAVEMENT MARKING SCHEDULE						
STATION	STATION	SHORT-TERM PAVT MKING 70300100 (FOOT)	WORK ZONE PAVT MK REM 70301000 (SQ FT)	PAINT PAVT MK LINE 4 78001110 (FOOT)	PAINT PAVT MK LINE 6 78001130 (FOOT)	PAINT PAVT MK LINE 12 78001150 (FOOT)
10+21	33+27	696	77			
10+18	10+40				80	13
10+33	13+62			90		
13+54	14+34				283	
14+25	17+60			90		
17+53	18+31				287	
18+24	21+55			90		
21+45	22+27				224	
22+18	25+50			90		
25+42	26+29				316	
26+15	29+49			90		
26+57	27+19			94		
28+19	29+25			154		
29+37	30+18				261	
30+09	33+07			80		
30+45	30+67			38		
31+35	32+85			214		
32+98	33+27				110	13
TOTAL		696	77	1,030	1,561	26

CURB & GUTTER SCHEDULE				
STATION	STATION	OFFSET	COMB CURB & GUTTER REMOVAL 44000500 (FOOT)	COMB CC&G TB6.24 60605000 (FOOT)
26+17	26+27	13' LT	10	10
TOTAL			10	10

PATCHING SCHEDULE						
STATION	LOCATION	APPROXIMATE SIZE	CLASS C PATCHES, TY 1, 10 INCH 44201349 (SQ YD)	CLASS C PATCHES, TY 2, 10 INCH 44201353 (SQ YD)	CLASS C PATCHES, TY 3, 10 INCH 44201357 (SQ YD)	CLASS C PATCHES, TY 4, 10 INCH 44201359 (SQ YD)
30+08	RT	10 x 55				62
31+71	RT	5 x 8	5			
31+77	RT	7 x 20			16	
31+82	LT	7 x 14		11		
33+22	RT	9 x 23			23	
TOTALS			5	11	39	62

PAVEMENT SCHEDULE						
STATION	STATION	BIT MATLS PR CT 40600100 (GAL)	AGG PR CT 40600300 (TON)	HOT-MIX ASPHALT SC "D" N70 40603340 (TON)	HMA SURFACE REMOVAL 2 1/2 44000159 (SQ YD)	STRIP REF CR CON TR 44300200 (FOOT)
10+21	33+27	635	13	1,185	8,465	2,306
10+27, 10.5' LT	25+27, 10.5' LT					1,500
10+58, 10.5' RT	25+60, 10.5' RT					1,502
21+40, 15.3' LT	22+00, 14.7' LT					60
25+27, 10.5' LT	26+20, 10.0' LT					93
25+60, 10.5' RT	26+48, 10.0' RT					88
26+20, 10.0' LT	32+73, 10.0' LT					653
26+48, 10.0' RT	33+16, 10.0' RT					668
29+18, 12.1' LT	30+12, 12.0' LT					94
TOTAL		635	13	1,185	8,465	6,964

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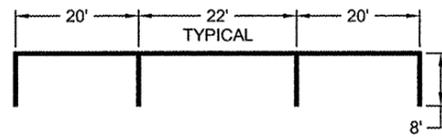
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

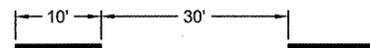
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8853	08-00060-00-RS	MADISON	7	3
CONTRACT NO. 97373				
FED. ROAD DIST. NO. 8		ILLINOIS	FED. AID PROJECT	

MIXTURE REQUIREMENTS	
20 YR ESALS: 2.15 DESIGN	
MIXTURE USE	SURFACE CSE
AC/PG	PG 64-22
RAP% (MAX)	10%
DESIGN AIR VOIDS	4% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL - 12.5
FRICTION AGG	MIXTURE D

DETAIL A

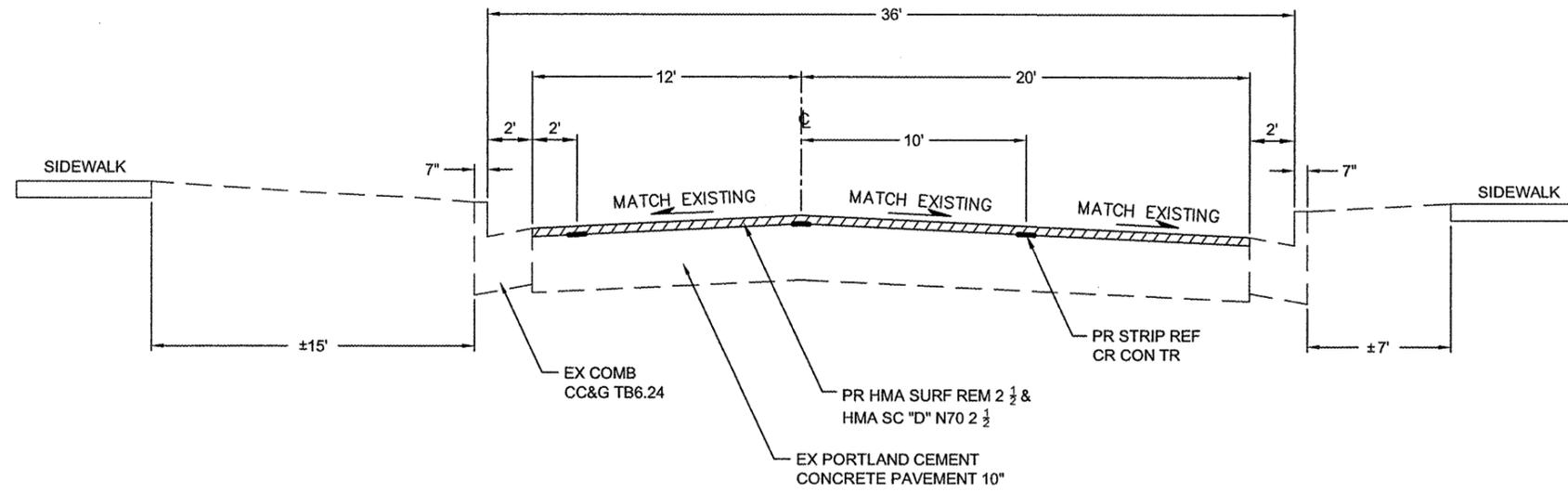


DETAIL B



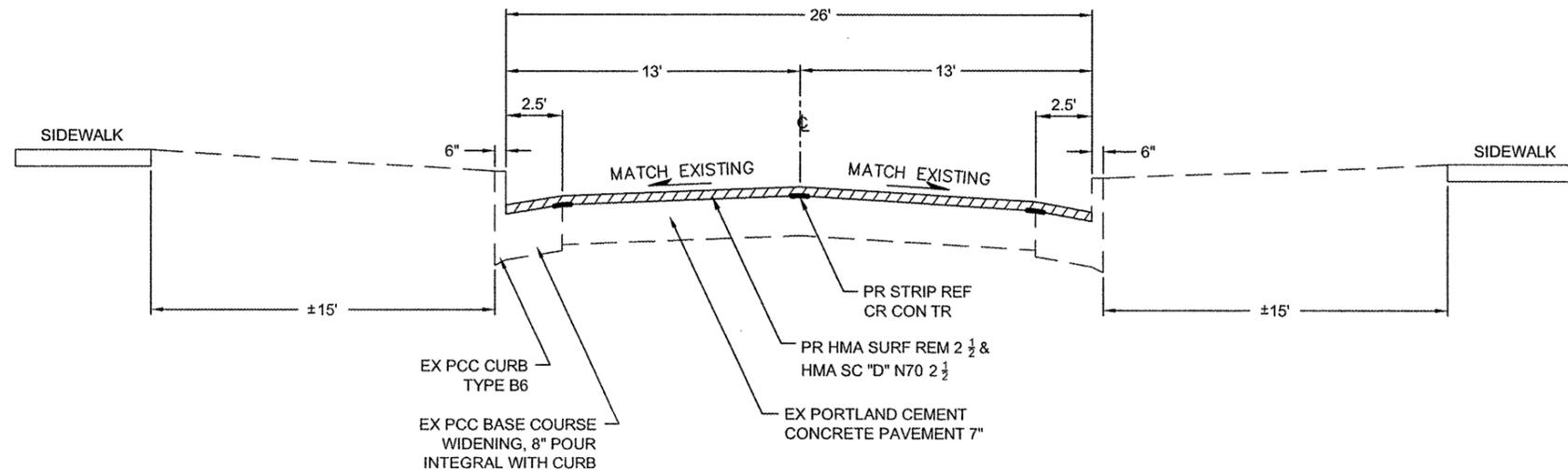
TYPICAL SECTION

LINDENTHAL AVENUE
FROM OLIVE STREET TO POPLAR STREET
STA 26+49 TO 32+75
(NOT TO SCALE)



TYPICAL SECTION

LINDENTHAL AVENUE
FROM WASHINGTON STREET TO OLIVE STREET
STA 10+57 TO 25+26
(NOT TO SCALE)

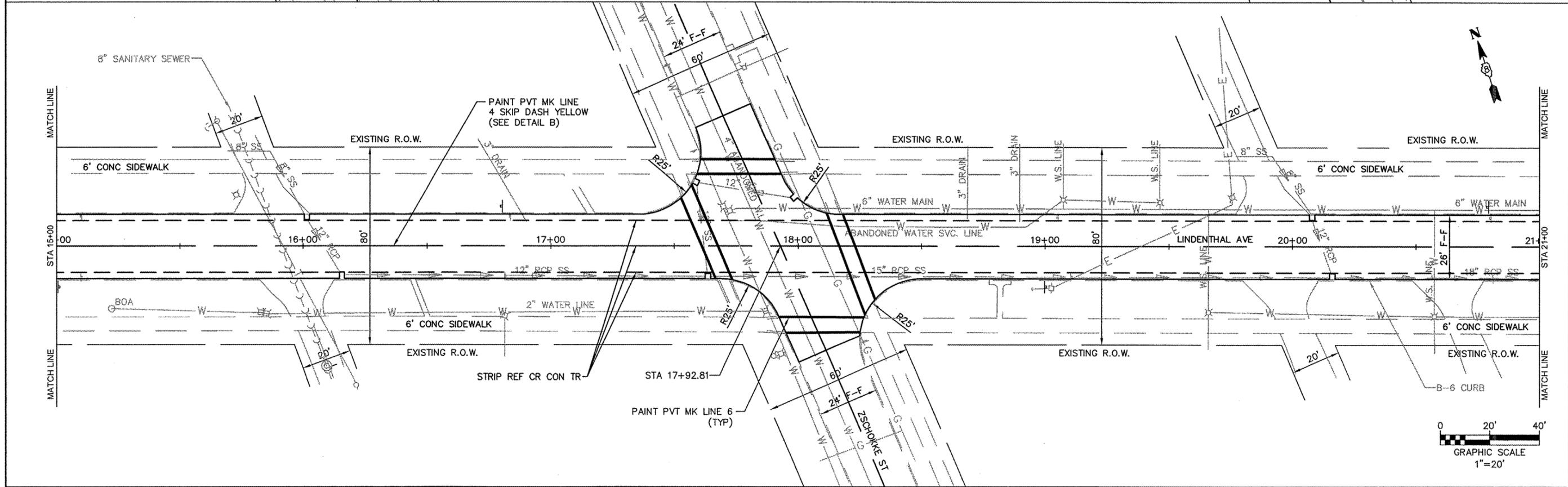
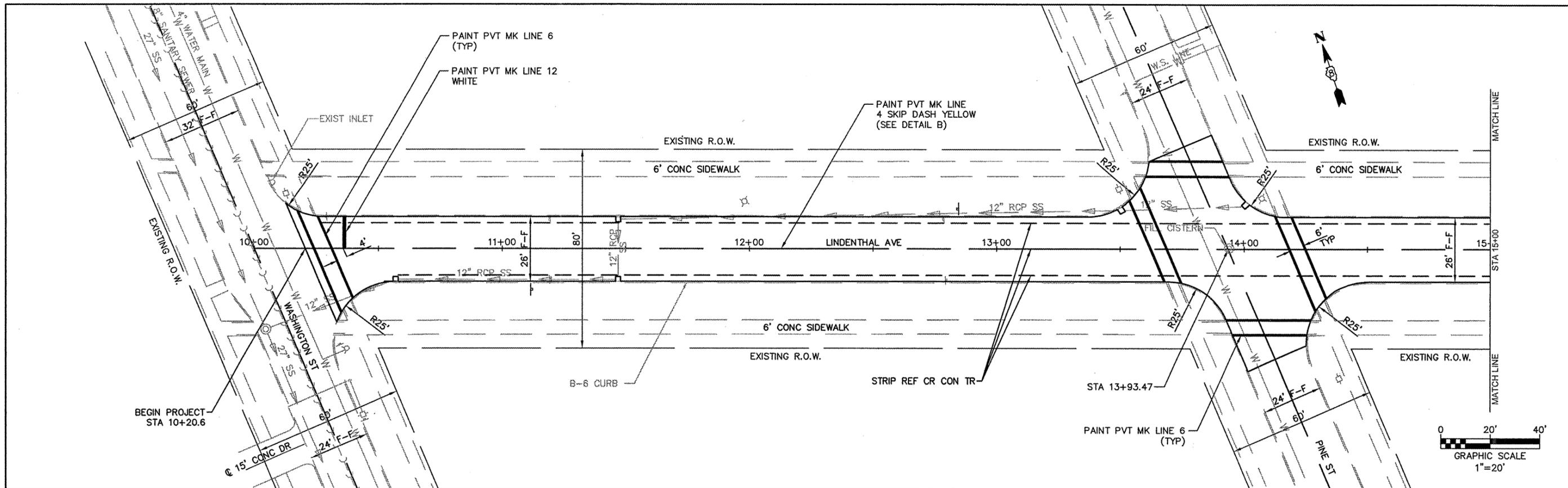


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		DATE: SMK 2009-02-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION & DETAIL SHEET

F.A.U. RTE. 8853	SECTION 08-00060-00-RS	COUNTY MADISON	TOTAL SHEETS 7	SHEET NO. 4
CONTRACT NO. 97373				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



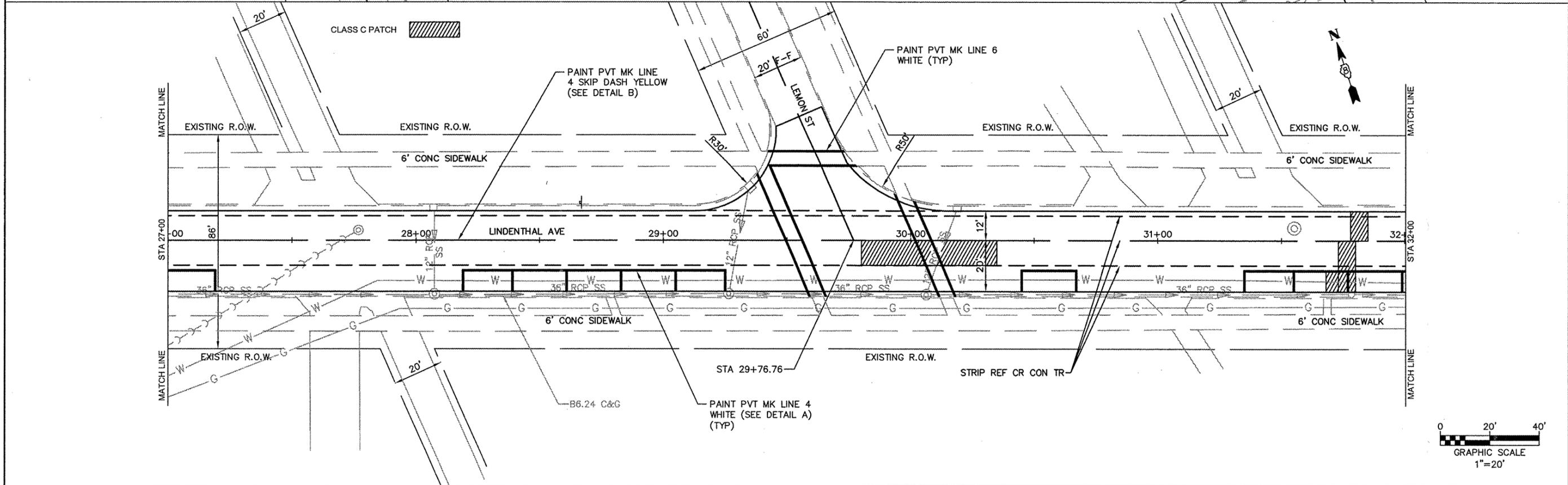
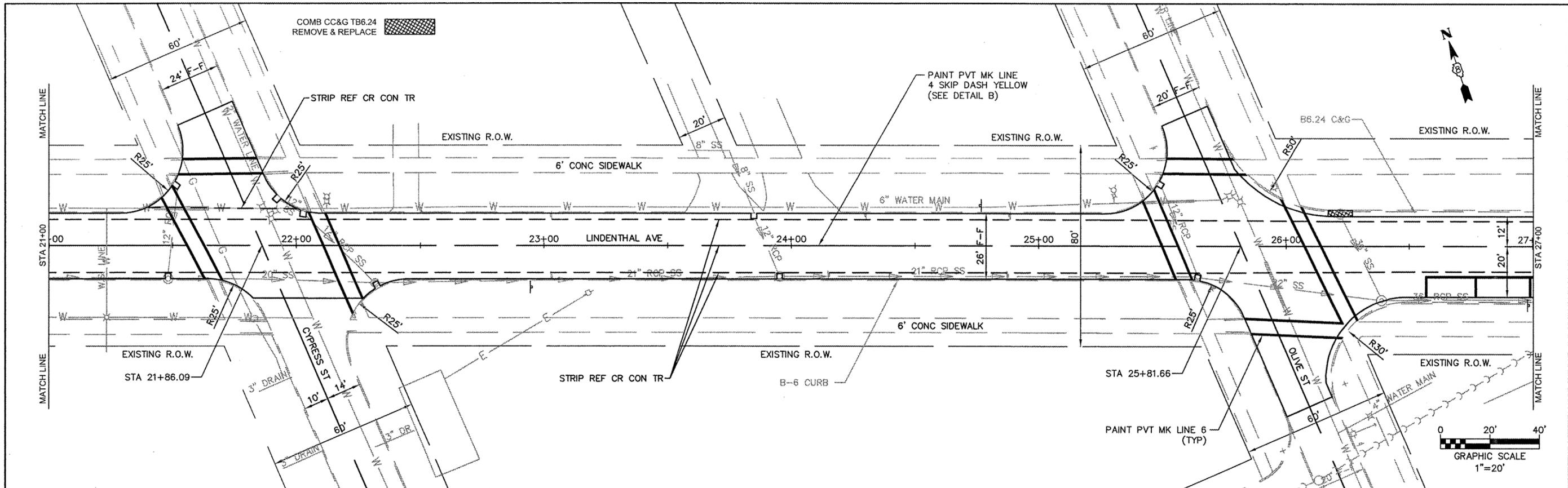
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 USER NAME = BILL TINDALL
 PLOT SCALE = 1" = 20'
 PLOT DATE = 2009-02-25

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DATE: SMK	2009-02-25	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN SHEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8853	08-00060-00-RS	MADISON	7	5
CONTRACT NO. 97373				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



FILE NAME = 853MN01.DWG

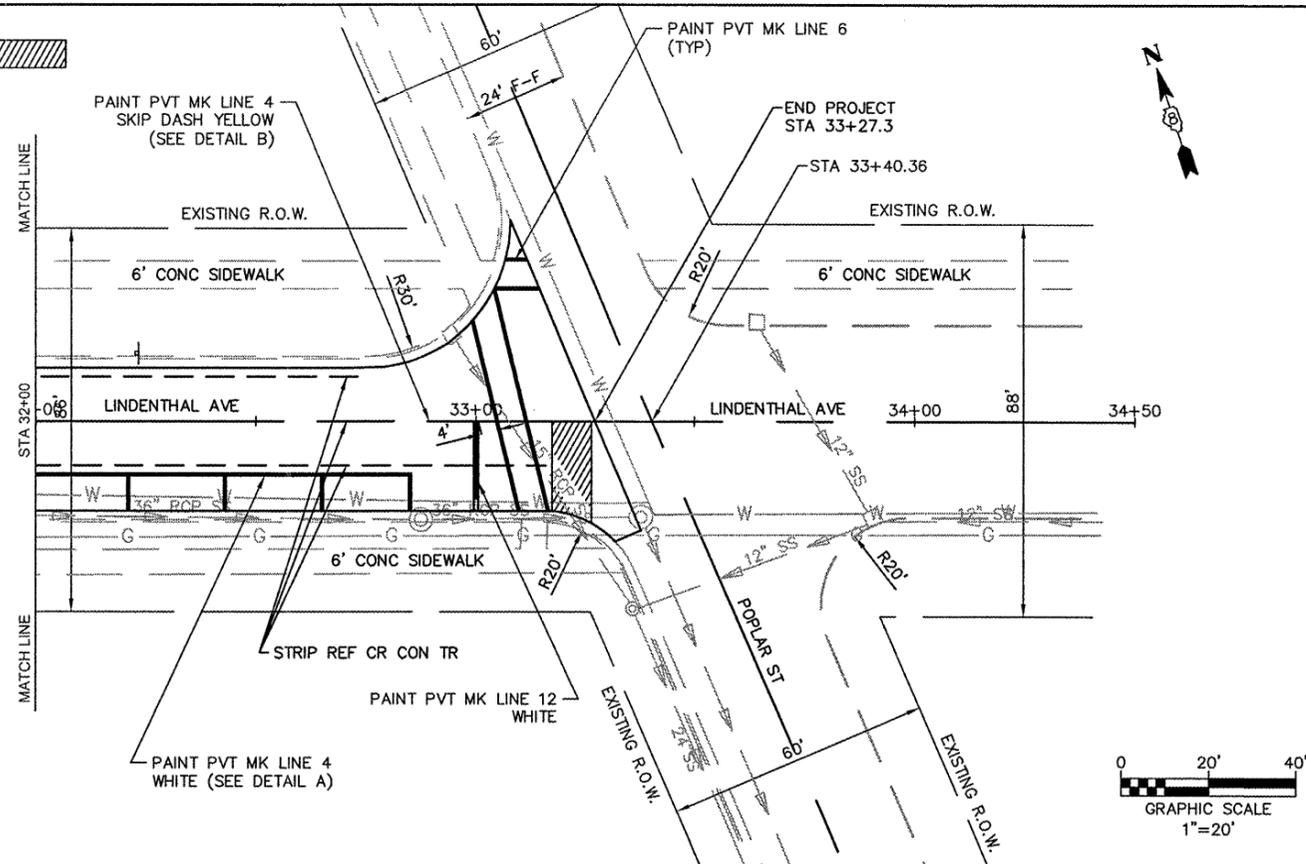
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8853	08-00060-00-RS	MADISON	7	6
CONTRACT NO. 97373				
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		

CLASS C PATCH 



FILE NAME = 853MN01.DWG

USER NAME = BILL TINDALL

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REVISED -

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REVISED -

PLOT SCALE = 1" = 20'

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REVISED -

PLOT DATE = 2009-02-25

DATE: SMK 2009-02-25

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8853	08-00060-00-RS	MADISON	7	7
CONTRACT NO. 97373				
FED. ROAD DIST. NO. 8		ILLINOIS	FED. AID PROJECT	