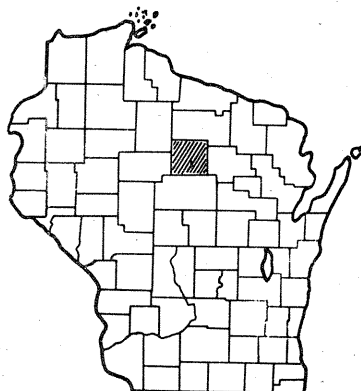


Sheet Number	Total Sheets
1	

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1173-2-75	RF 05-4(54)	1

**Index of Sheets**

Sheet No.	Title
1	1
2-2.2	Typical Cross Sections
3	Estimate of Quantities
—	Miscellaneous Quantities
4-4.6	Right of Way Plat
5-5.3	Plan and Profile
6	Standard Details
7-7.49	Structure Plans
—	Cross Sections
Total Sheets - 67	



STATE OF WISCONSIN  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

PLAN AND PROFILE OF PROPOSED  
**SOUTH COUNTY LINE - MERRILL ROAD**  
**CENTER RD., S.T.H. 64, AND S.T.H. 17 STRUCTURES**  
**U.S.H. 51**

LINCOLN COUNTY

STATE PROJECT NUMBER  
**1173-2-75**

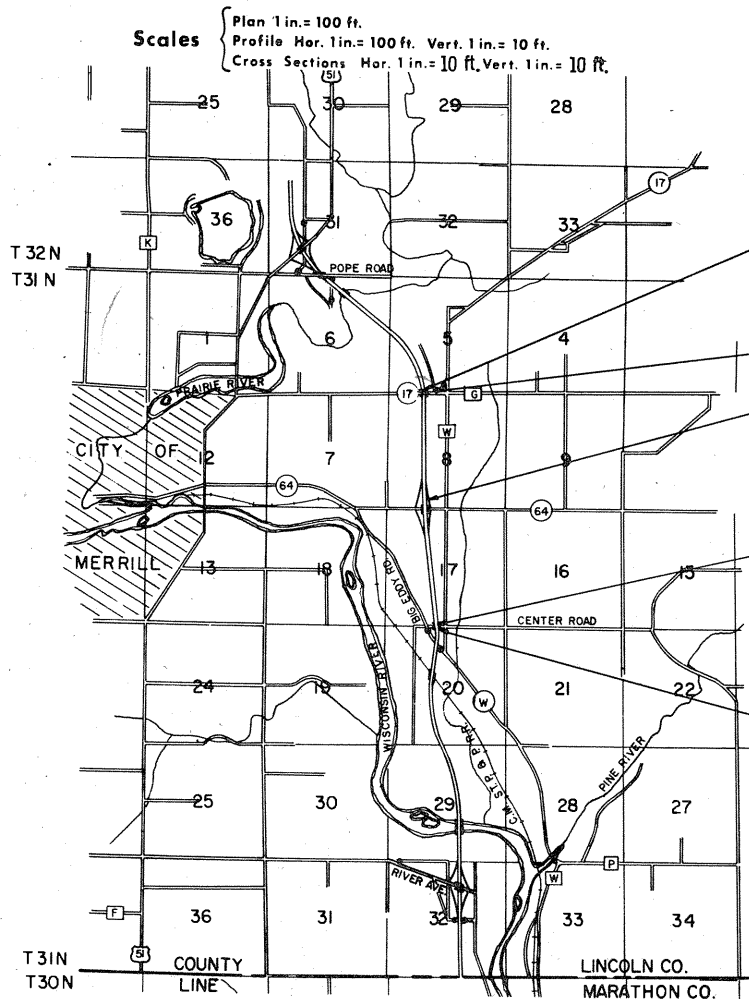
**Design Designation**

<b>CONTROL OF ACCESS - FULL</b>	
A. D.T.	1975 = 7,250
A. D.T.	1995 = 13,500
D. H.V.	= 2,430
D.	= 70 - 30%
T.	= 5%
V.	= 80 M. P. H.

**CONTROL OF ACCESS**  
 WITHIN LIMITS OF THE PROJECT WHERE CONTROL OF ACCESS  
 IS SHOWN THUS \_\_\_\_\_ NO ACCESS  
 IS PERMITTED TO HIGHWAY TRAFFIC LANES EXCEPT BY RAMPS  
 AT INTERCHANGES

**Conventional Signs**

State Line	.....	Culverts in Place	.....
County Line	.....	Culverts Required	.....
Township or Range Line	.....	Drop Inlet	.....
Section Line	.....	Power Pole	.....
New Right of Way Line	.....	Telephone or Telegraph Pole	.....
Present Right of Way Line	.....	Right of Way Markers	.....
Wire Fence	Woven	Reference Stake for Hubs Only	.....
	Barbed	Marsh	.....
Lot Line	.....	Hedge	.....
Corporate or City Limits	.....	Trees	.....
Property Line	.....	Ground Elevation	Datum Line 73.9
Traveled Way or P.E.	.....	Grade Elevation	Datum Line 76.16
Railroads	.....		
Base of Survey Line	.....		



Layout  
 Scale 0 1 2 MI.

Total Net Length of Section 1 = 0.023 Mi.  
 Total Net Length of Section 2 = 0.037 Mi.  
 Total Net Length of Section 3 = 0.000 Mi.  
 Total Net Length of Ref. Line = 0.060 Mi.

**END PROJECT 1173-2-75**  
 STA. 349+56.90 NB. = STA. 349 + 56.90 N.B. of PROJ. RF 05-4(52)  
 N 495,662.88  
 E 2,091,254.62

0.95' S. AND 1,194.76' W. OF THE  
 N-1/4 COR. OF SEC. 8, T 32N, R 7E  
 SECTION 3 STA. 349+56.90 NB.

B - 35 - 30

SECTION 2 STA. 295+66.34 NB. - STA. 297+60.00 NB.  
 B - 35 - 28 & B - 35 - 29

SECTION 1 STA. 242+16.04 NB. - STA. 243+39.05 NB.  
 B - 35 - 36 & B - 35 - 37

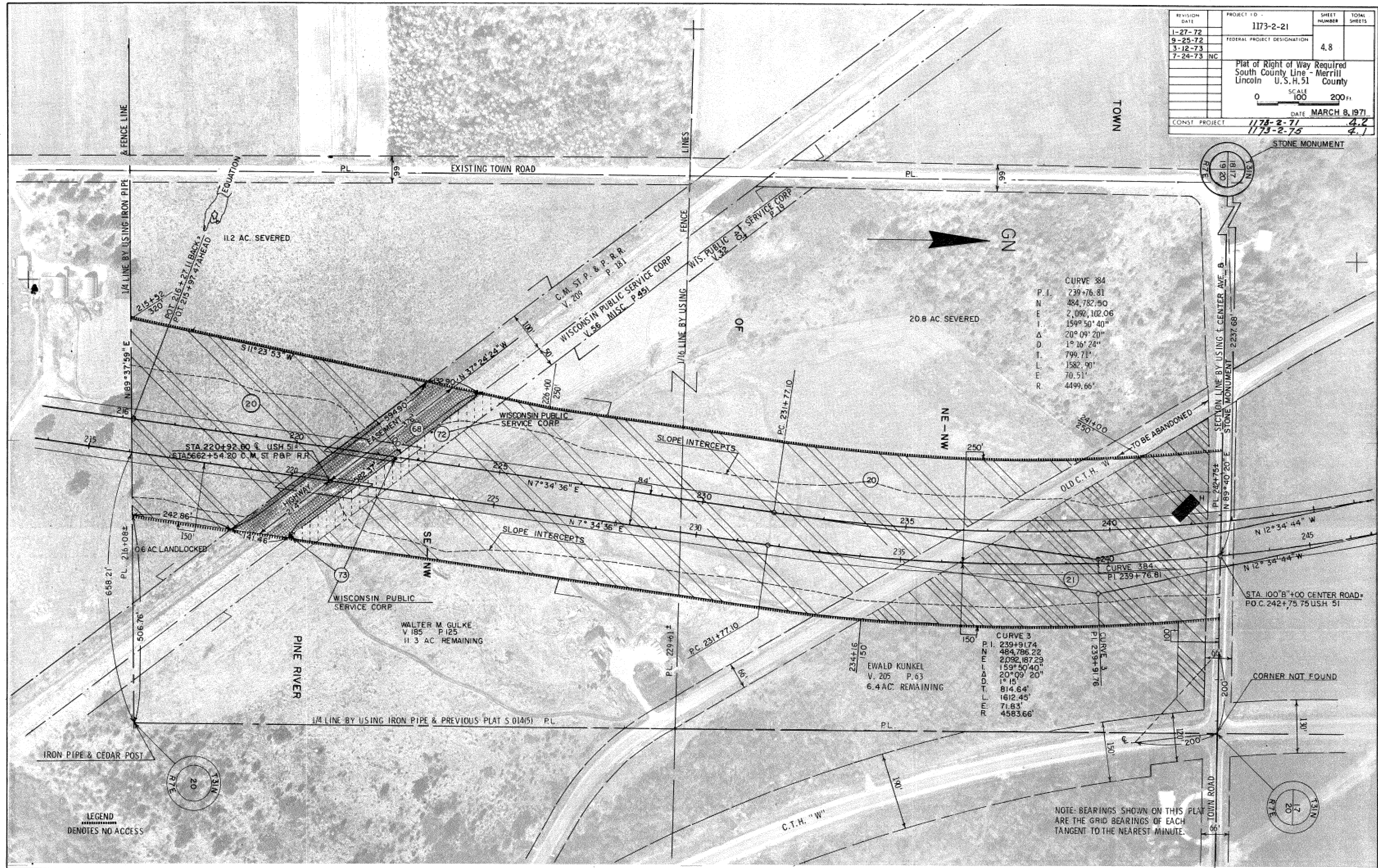
**BEGIN PROJECT 1173-2-75**  
 STA. 242+16.04 NB. = STA. 242+16.04 N.B. of PROJ. RF 05-4(52)  
 N 485,015.22  
 E 2,092,099.48  
 2,587.72' N. AND 431.71' W. OF THE CENTER  
 OF SEC. 20, T 31N, R 7E

ALL COORDINATES SHOWN ON THIS PLAN ARE  
 REFERENCED TO THE WISCONSIN COORDINATE  
 SYSTEM CENTRAL ZONE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
Surveyor <u>J.R.W.</u>	District Checker <u>G.S.W.</u>
Designer <u>F.D.R.</u>	C.O. Checker <u>L.L.L.</u>
Correct:	
Date <u>9/21/73</u>	<u>R. Schmidt</u> District Engineer
Recommended for Approval:	
Date <u>11/20/73</u>	<u>J. C. Acorn</u> CHIEF OF FACILITIES DEVELOPMENT
Approved:	
Date <u>11/23/73</u>	<u>H.L. Pindler</u> State Highway Engineer
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
REGION 5	WISCONSIN DIVISION
Approved:	
Date	Division Engineer



REVISION DATE	PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.8	
9-25-72	FEDERAL PROJECT DESIGNATION		
3-12-73			
7-24-73	NC		
Plat of Right of Way Required South County Line - Merrill Lincoln U.S.H. 51 County			
SCALE 100 200 FT.			
DATE MARCH 8, 1971			
CONST PROJECT	1173-2-71	4.2	
	1173-2-75	4.1	



CURVE 384

P.I.	239+76.81
N	484,782.50
E	2,092,102.06
I	159° 50' 40"
Δ	20° 09' 20"
D	1° 16' 24"
T	799.71'
L	1582.90'
E	70.51'
R	4499.66'

CURVE 3

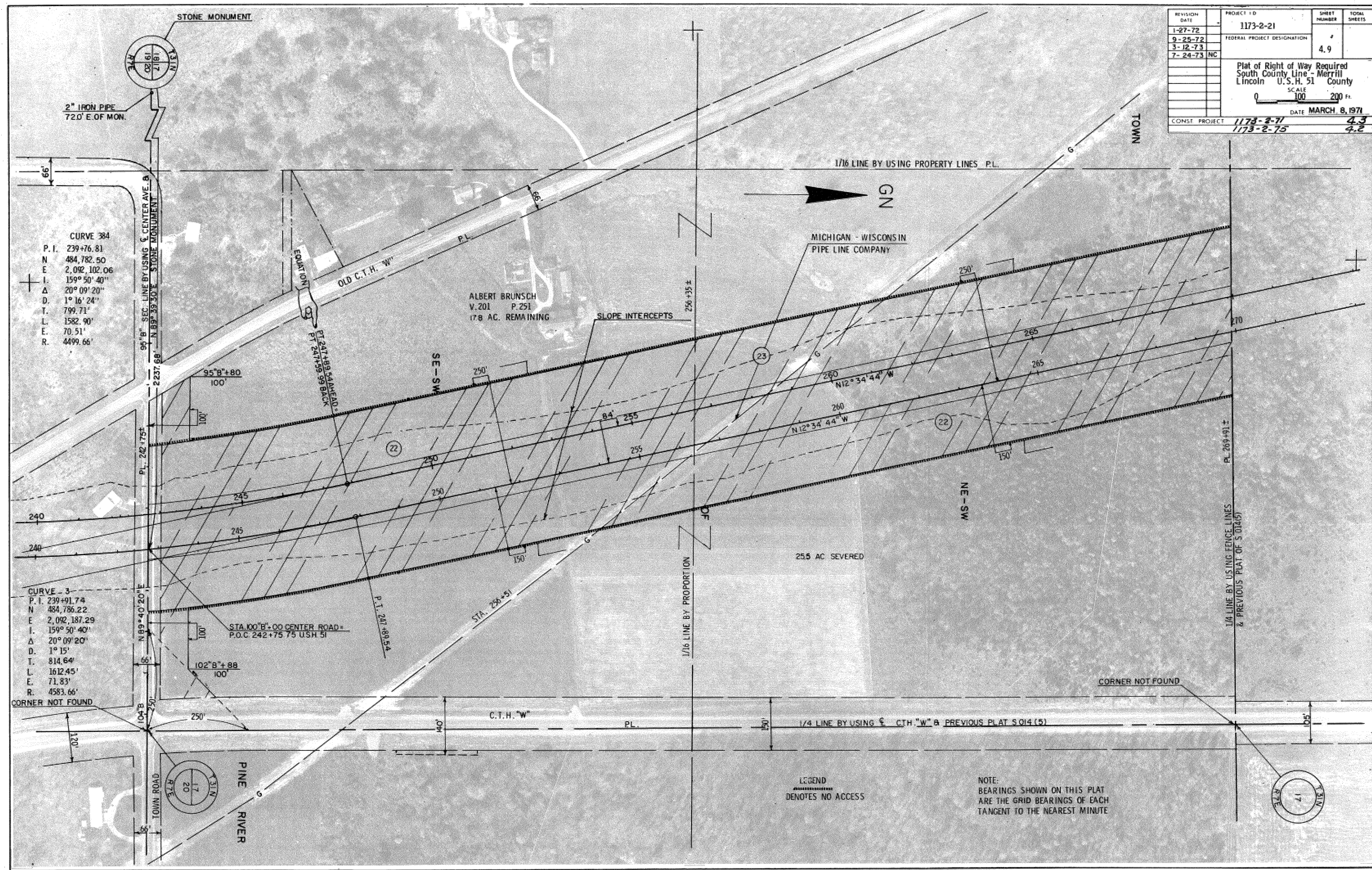
P.I.	239+91.74
N	484,786.22
E	2,092,187.23
I	159° 50' 40"
Δ	20° 09' 20"
D	1° 15'
T	814.64'
L	1612.45'
R	71.83'
	4583.66'

LEGEND  
DENOTES NO ACCESS

NOTE: BEARINGS SHOWN ON THIS PLAT ARE THE GRID BEARINGS OF EACH TANGENT TO THE NEAREST MINUTE.



REVISION	DATE	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
1-27-72		1173-2-21		
9-25-72		FEDERAL PROJECT DESIGNATION	4.9	
3-12-73				
7-24-73	NC			
		Plat of Right of Way Required South County Line - Merrill Lincoln U.S.H. 51 County		
		SCALE 0 100 200 Ft.		
		DATE MARCH 8, 1971		
CONST. PROJECT		1173-2-71	4.3	
		1173-2-75	4.2	





REVISION DATE	PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.10	
9-25-72	FEDERAL PROJECT DESIGNATION		
3-12-73			
7-24-73	NC		
PLAT OF RIGHT OF WAY REQUIRED SOUTH COUNTY LINE - MERRILL LINCOLN U.S.H. 51 COUNTY			
SCALE 100 200'			
DATE MARCH 8, 1971			
CONST. PROJECT 1173-2-71		4.4	
1173-2-75		4.3	

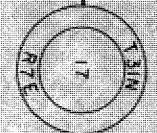
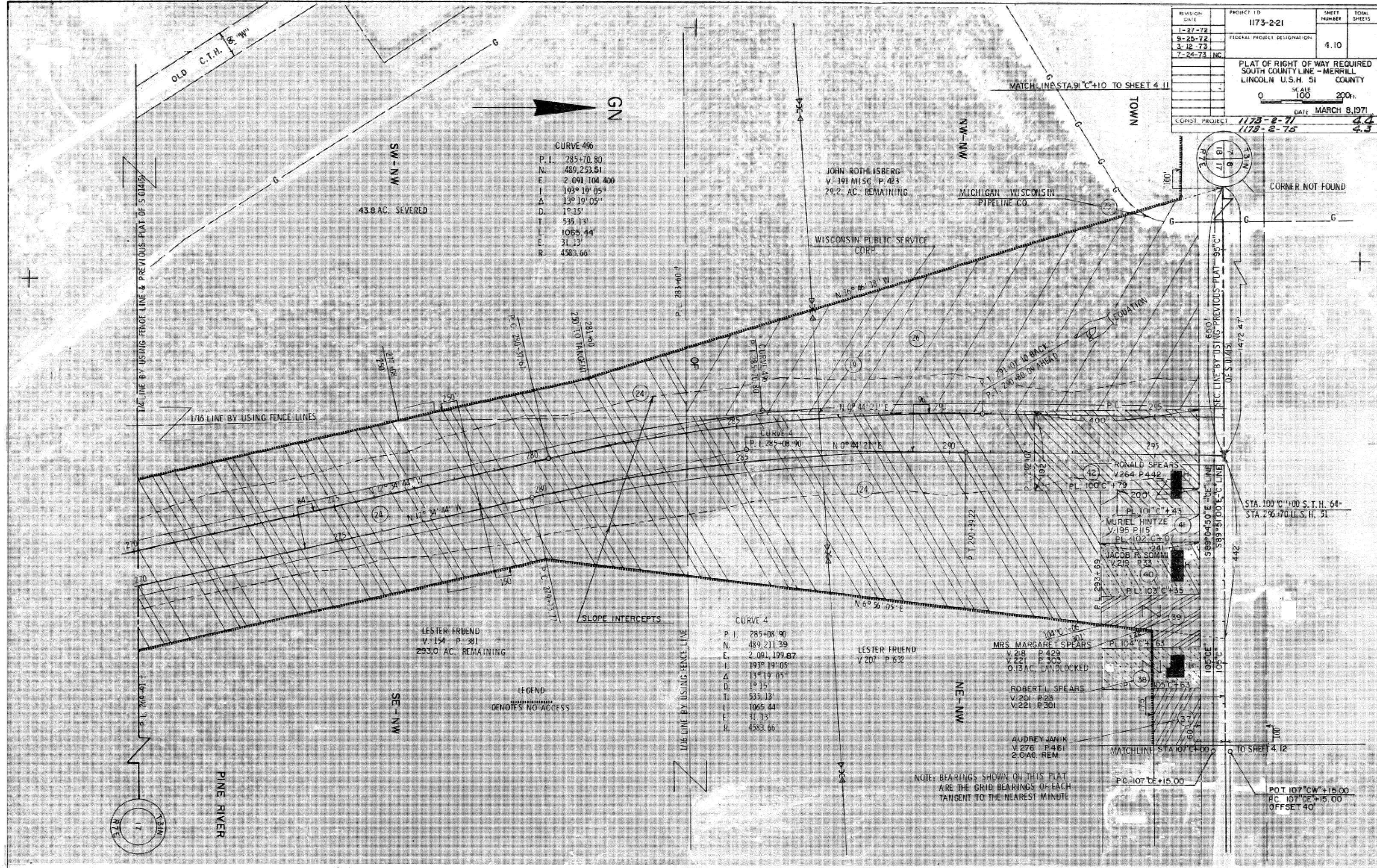


**CURVE 496**  
 P. I. 285+70.80  
 N. 489,253.51  
 E. 2,091,104.400  
 I. 193° 19' 05"  
 Δ 13° 19' 05"  
 D. 1° 15'  
 T. 535.13'  
 L. 1065.44'  
 E. 31.13'  
 R. 4583.66'

**CURVE 4**  
 P. I. 285+08.90  
 N. 489,211.39  
 E. 2,091,199.87  
 I. 193° 19' 05"  
 Δ 13° 19' 05"  
 D. 1° 15'  
 T. 535.13'  
 L. 1065.44'  
 E. 31.13'  
 R. 4583.66'

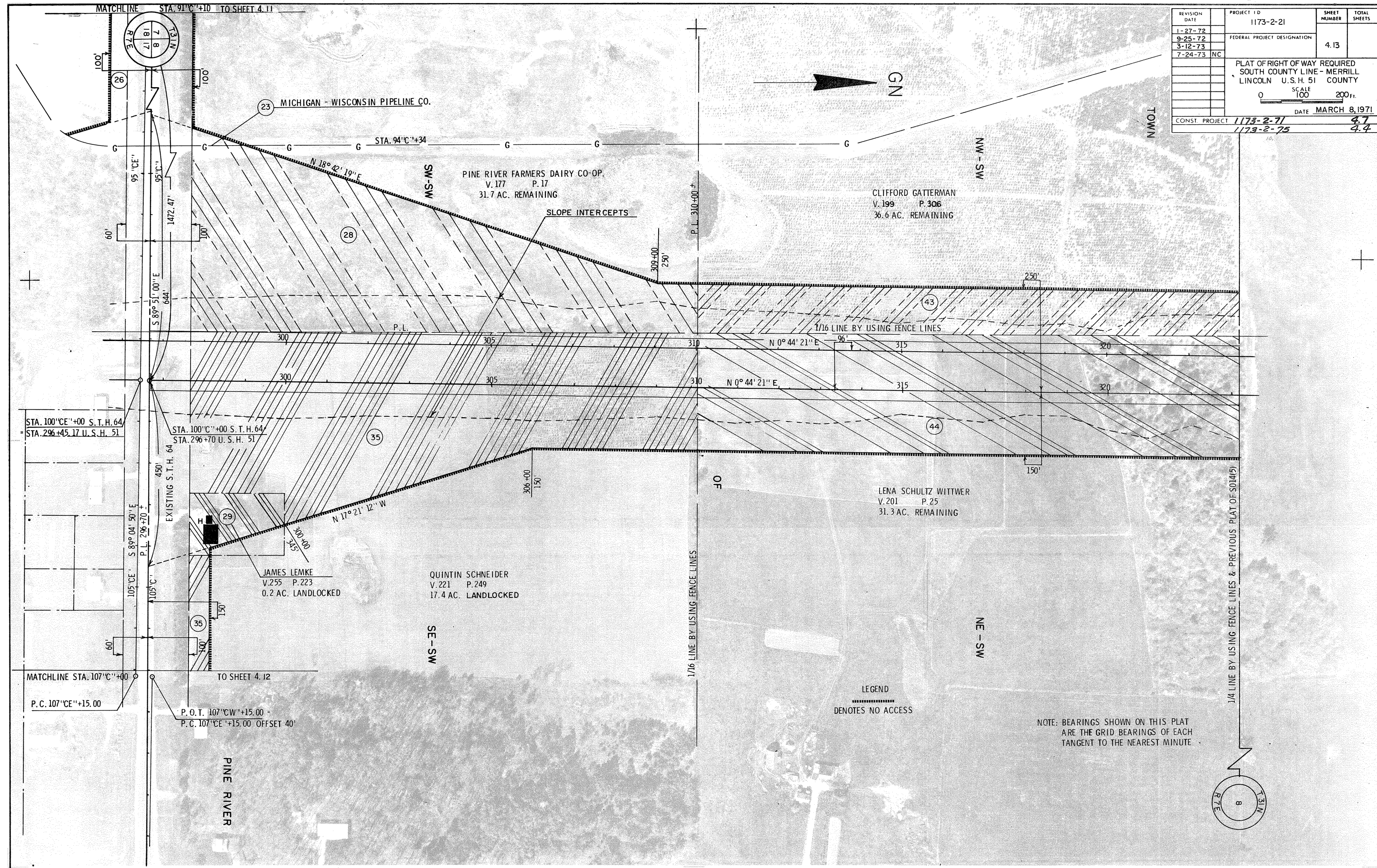
**LEGEND**  
 DENOTES NO ACCESS

NOTE: BEARINGS SHOWN ON THIS PLAT ARE THE GRID BEARINGS OF EACH TANGENT TO THE NEAREST MINUTE





REVISION DATE	PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.13	
9-25-72	FEDERAL PROJECT DESIGNATION		
3-12-73			
7-24-73	NC		
PLAT OF RIGHT OF WAY REQUIRED SOUTH COUNTY LINE - MERRILL LINCOLN U.S.H. 51 COUNTY			
SCALE 0 100 200 Ft.			
DATE MARCH 8, 1971			
CONST. PROJECT 1173-2-71		4.7	
1173-2-75		4.4	









REVISION DATE	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.16	
9-25-72	FEDERAL PROJECT DESIGNATION		
3-12-73			
7-24-73	NC		
PLAT OF RIGHT OF WAY REQUIRED SOUTH COUNTY LINE- MERRILL U.S.H. 51			
LINCOLN COUNTY		SCALE 100	200'
DATE MARCH 8, 1971			
CONST PROJECT 1173-2-71		4.10	
1173-2-75		4.6	

CURVE 596  
P. I. 360+98.75  
N 496,806.66  
E 2,091,201.84  
I. 133° 16' 28"  
Δ 46° 43' 32"  
D. 1° 32' 19"  
T. 1608.53'  
L. 3036.76'  
E. 332.57'  
R. 3723.72'

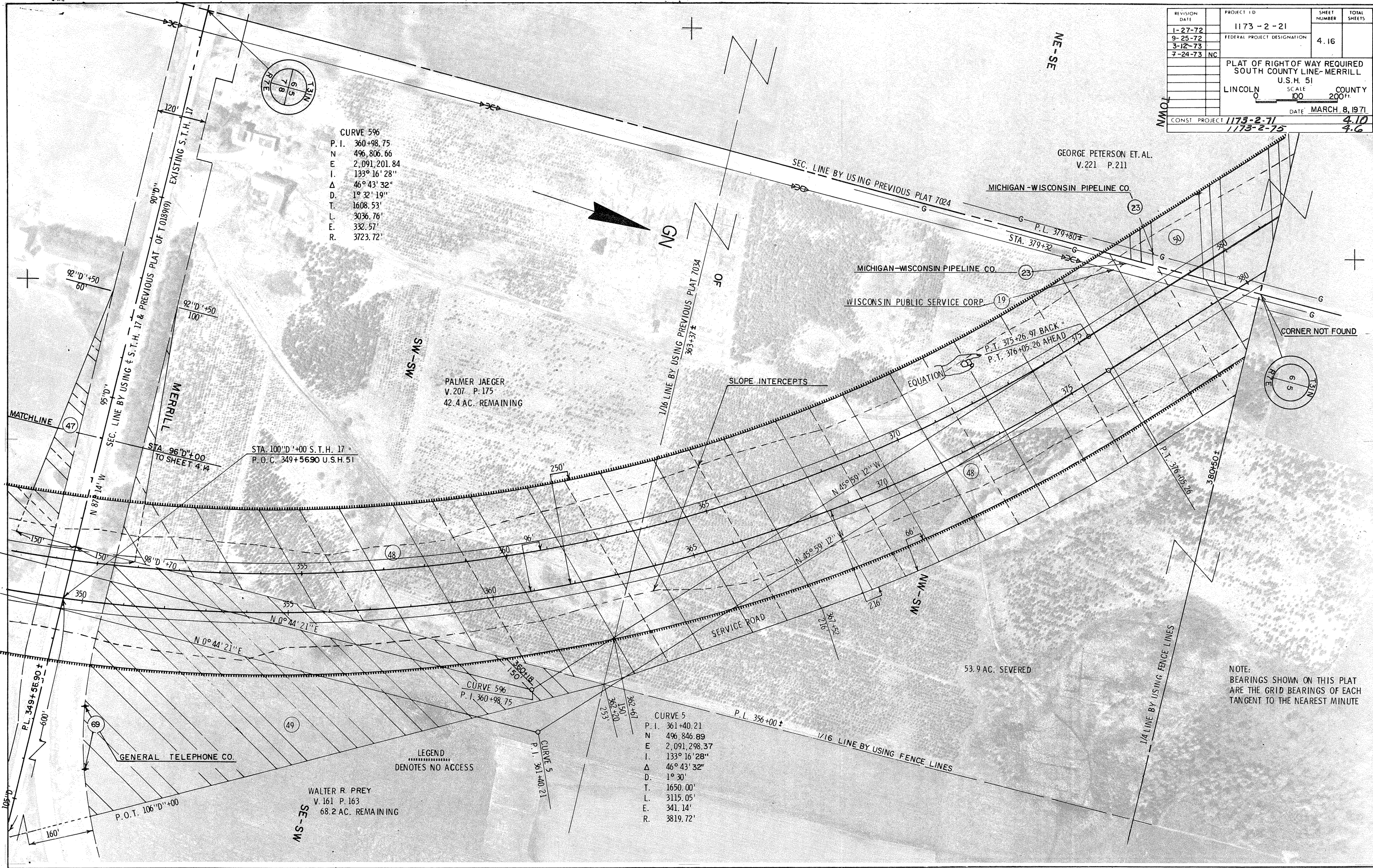
CURVE 5  
P. I. 361+40.21  
N 496,846.89  
E 2,091,298.37  
I. 133° 16' 28"  
Δ 46° 43' 32"  
D. 1° 30'  
T. 1650.00'  
L. 3115.05'  
E. 341.14'  
R. 3819.72'

PALMER JAEGER  
V. 207 P. 175  
42.4 AC. REMAINING

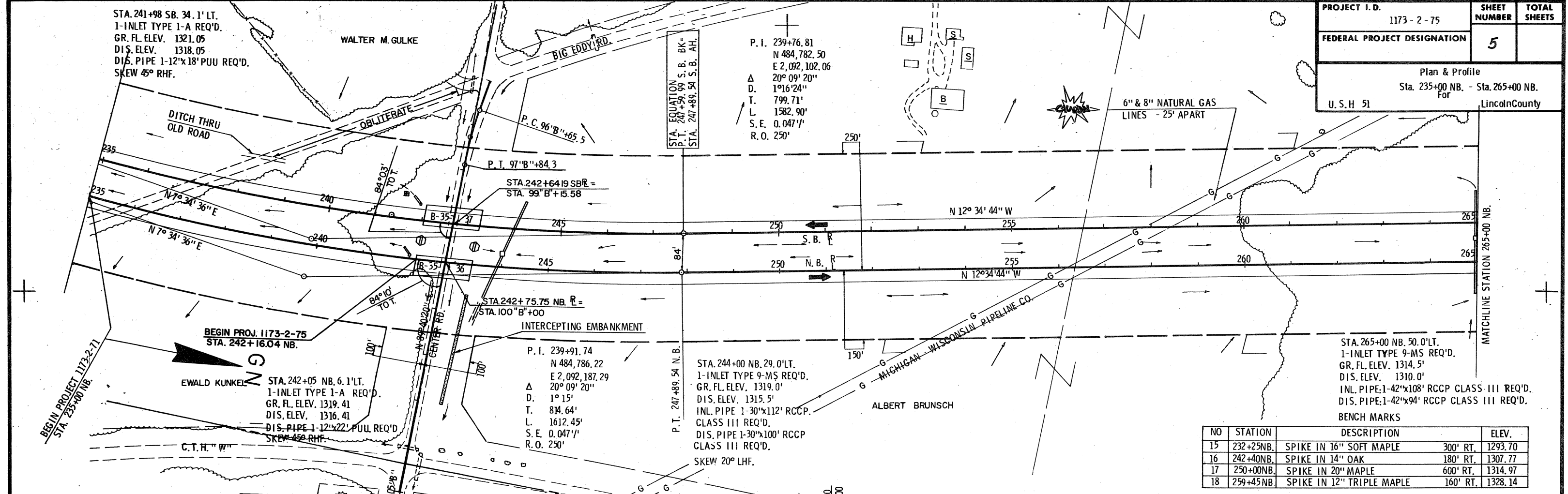
WALTER R. PREY  
V. 161 P. 163  
68.2 AC. REMAINING

LEGEND  
..... DENOTES NO ACCESS

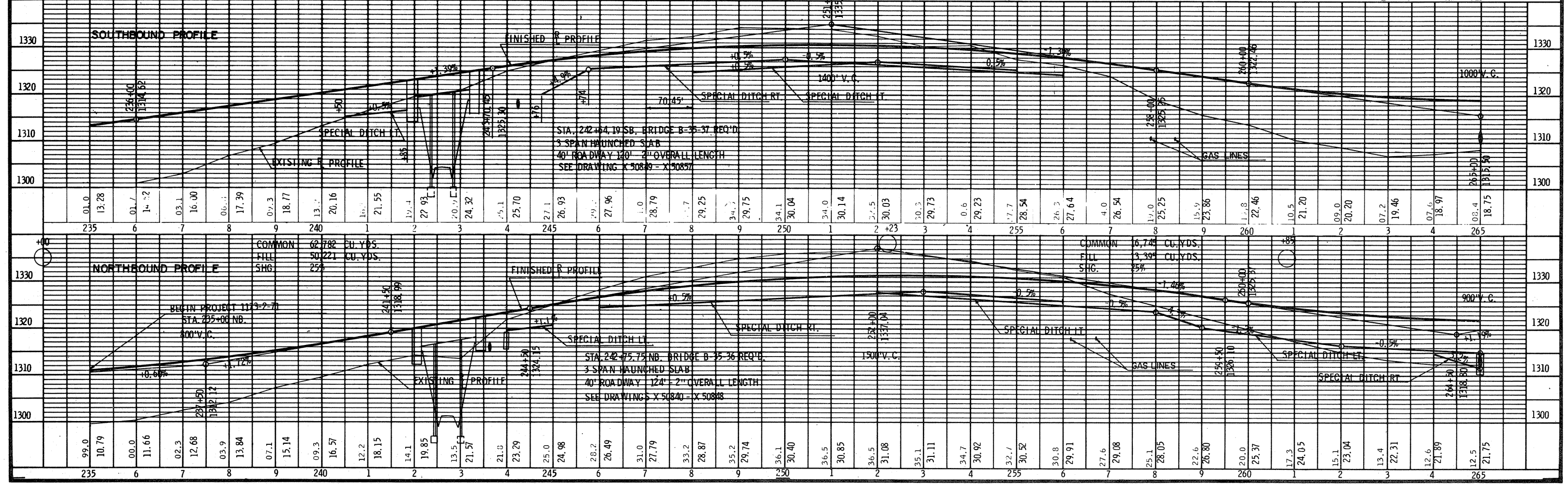
NOTE:  
BEARINGS SHOWN ON THIS PLAT  
ARE THE GRID BEARINGS OF EACH  
TANGENT TO THE NEAREST MINUTE







NO	STATION	DESCRIPTION	ELEV.
15	232+25NB.	SPIKE IN 16" SOFT MAPLE	300' RT. 1293.70
16	242+40NB.	SPIKE IN 14" OAK	180' RT. 1307.77
17	250+00NB.	SPIKE IN 20" MAPLE	600' RT. 1314.97
18	259+45NB.	SPIKE IN 12" TRIPLE MAPLE	160' RT. 1328.14



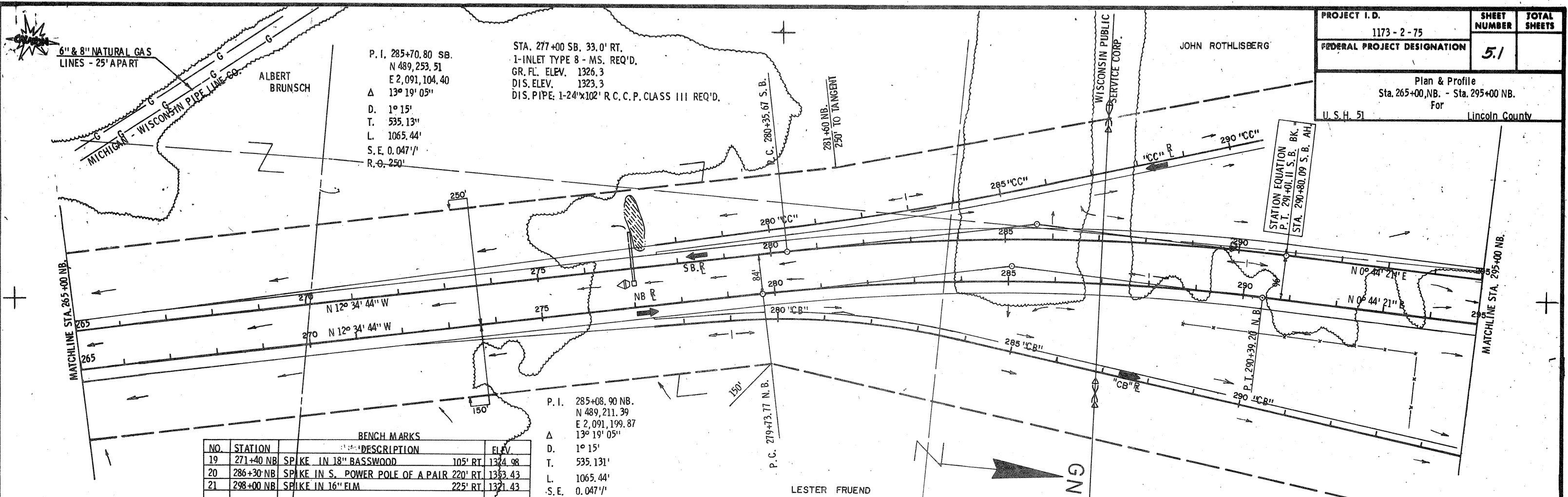
COMMON  
FILL 62,782 CU. YDS.  
SHG 50,221 CU. YDS.  
25%

COMMON 6,724 CU. YDS.  
FILL 3,399 CU. YDS.  
SHG 25%

STA. 242+64.19 SB. BRIDGE B-35-37 REQ'D.  
5 SPAN HAUNCHED SLAB  
40' ROADWAY 140' 2" OVERALL LENGTH  
SEE DRAWINGS X 50839 - X 50837

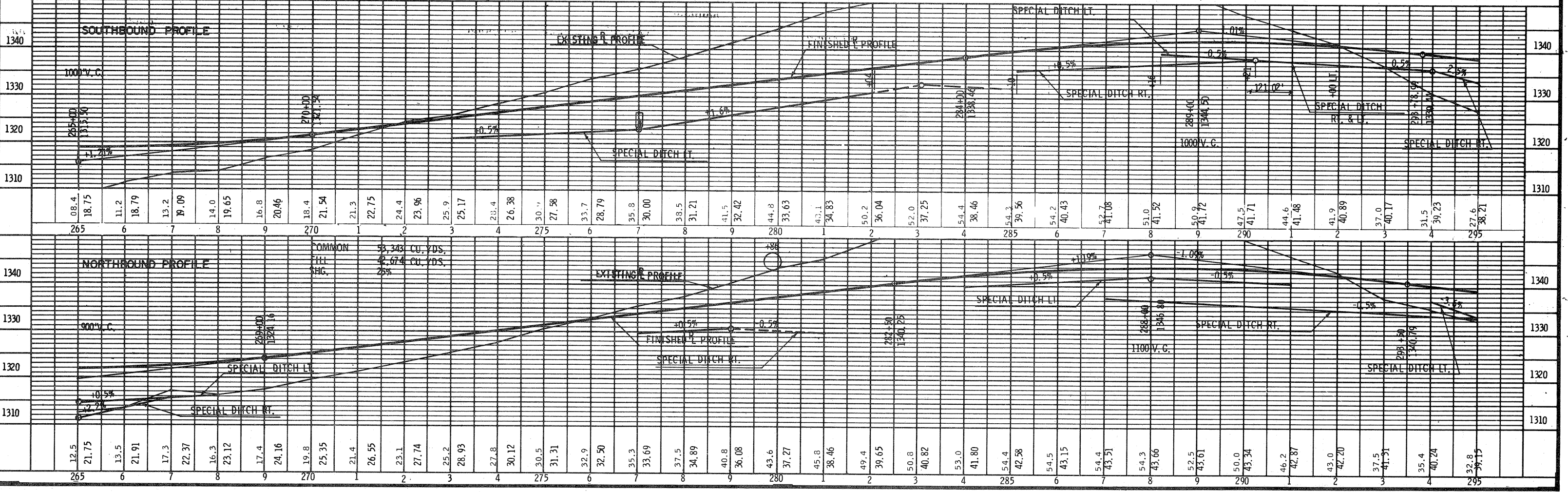
STA. 242+75.75 NB. BRIDGE B-35-36 REQ'D.  
3 SPAN HAUNCHED SLAB  
40' ROADWAY 124' 2" OVERALL LENGTH  
SEE DRAWINGS X 50840 - X 50838





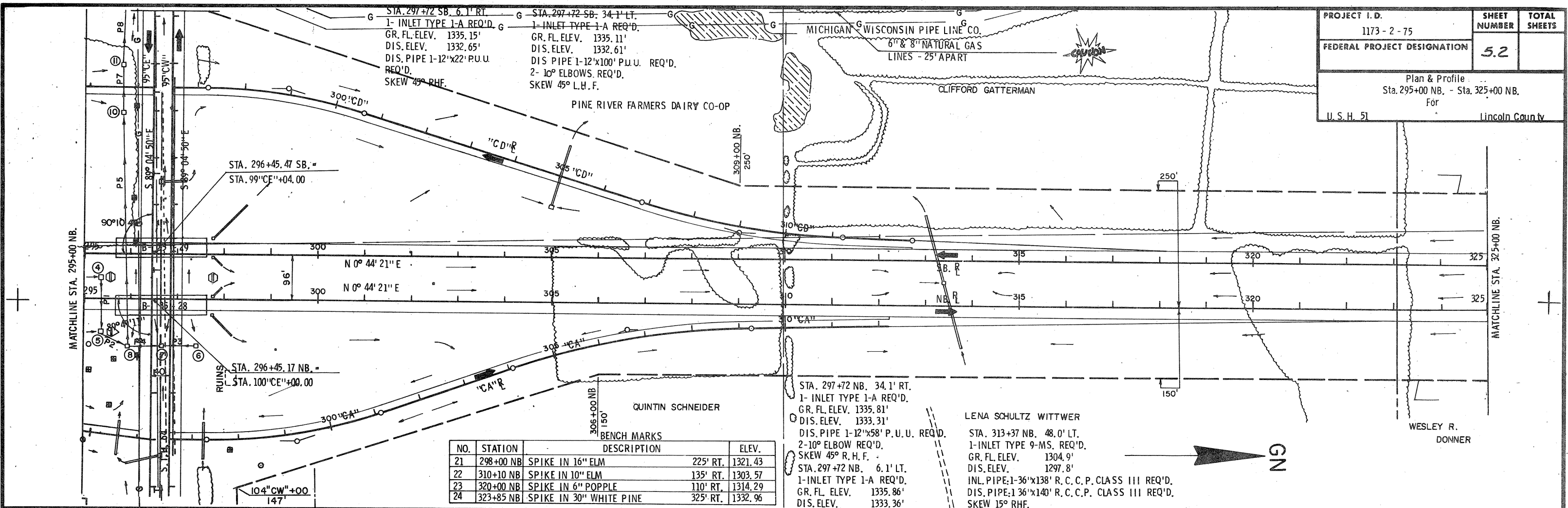
PROJECT I.D. 1173 - 2 - 75	SHEET NUMBER <b>5.1</b>	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION		
Plan & Profile Sta. 265+00 NB. - Sta. 295+00 NB. For Lincoln County		
U. S. H. 51		

NO.	STATION	DESCRIPTION	ELEV.
19	271+40 NB	SPIKE IN 18" BASSWOOD	1324.98
20	286+30 NB	SPIKE IN S. POWER POLE OF A PAIR 220' RT.	1353.43
21	298+00 NB	SPIKE IN 16" ELM	1321.43

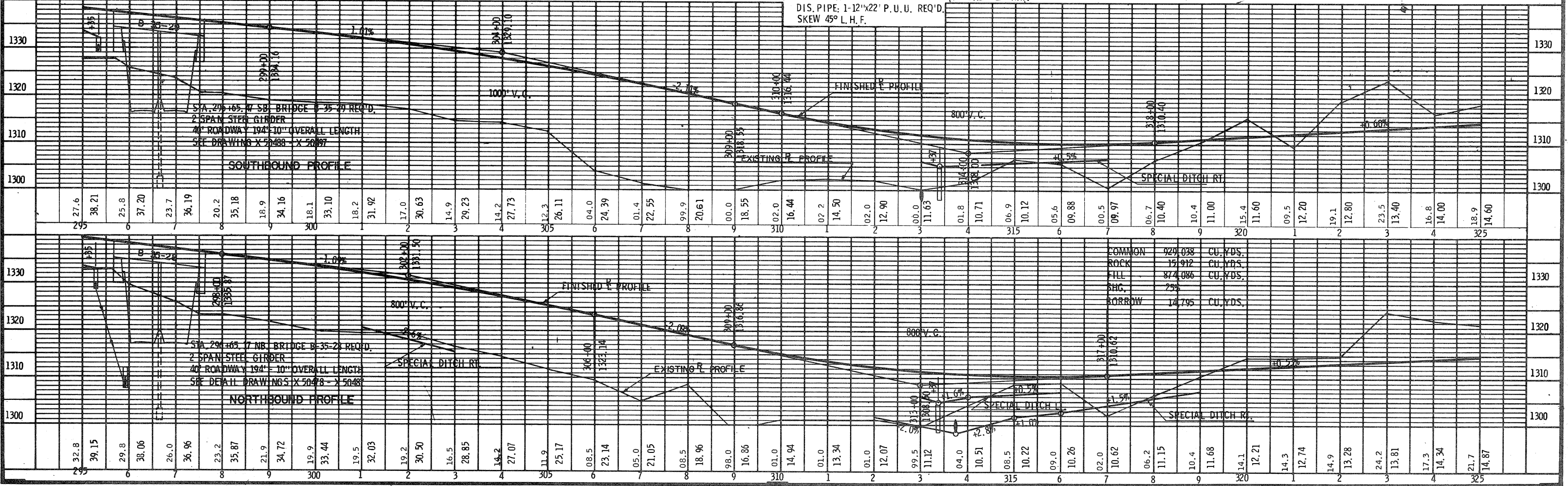


COMMON  
53,343 CU. YDS.  
26%  
42,674 CU. YDS.  
25%





NO.	STATION	DESCRIPTION	ELEV.
21	298+00 NB	SPIKE IN 16" ELM	225' RT. 1321.43
22	310+10 NB	SPIKE IN 10" ELM	135' RT. 1303.57
23	320+00 NB	SPIKE IN 6" POPPLE	110' RT. 1314.29
24	323+85 NB	SPIKE IN 30" WHITE PINE	325' RT. 1332.96



COMMON ROCK	929.038	CU. YDS.
FILL	15.912	CU. YDS.
SBC	874.086	CU. YDS.
BORROW	293	
	14.795	CU. YDS.



