

Sheet Number	Total Sheets
1	

### Index of Sheets

- Sheet No. 1 Title
- Sheet No. 2-2.9 Typical Cross Sections
- Sheet No. 3 Estimate of Quantities
- Sheet No. 3-3A Miscellaneous Quantities
- Sheet No. 4-4.7 Right of Way Plat
- Sheet No. 5-5.1 Plan and Profile STA. 82+58.10 TO STA. 235+00.00
- Sheet No. 6-6.7 Standard Details
- Sheet No. 7-7.7 Structure Plans
- Sheet No. 8-8.76 Cross Sections

TOTAL SHEETS = 117



*RIVER AVE*  
*BUSINESS 51*

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

## PLAN AND PROFILE OF PROPOSED

# SOUTH COUNTY LINE — MERRILL ROAD

(SOUTH COUNTY LINE — CENTER ROAD)

U.S.H. 51

LINCOLN COUNTY

*RIVER AVE PORTION ALSO*

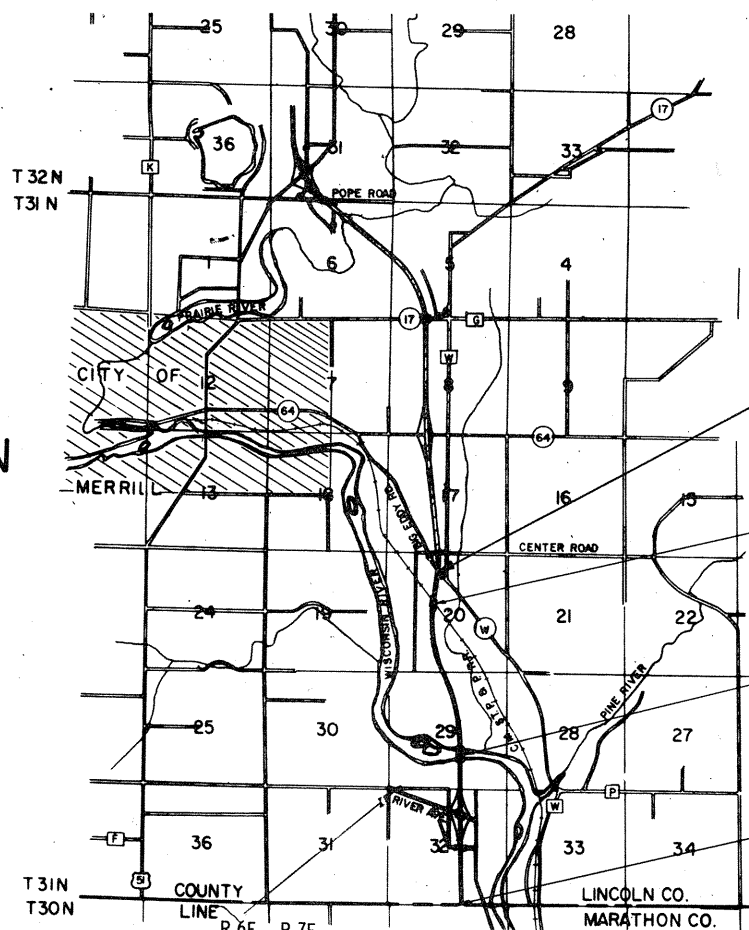
PROJECT IDENTIFICATION NUMBER  
**1173-2-70**

Scales  
Plan 1 in. = 100 ft.  
Profile Hor. 1 in. = 100 ft. Vert. 1 in. = 10 ft.  
Cross Sections Hor. 1 in. = 10' Vert. 1 in. = 10'

### Design Designation

- CONTROL OF ACCESS - FULL
- 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.



END PROJECT 1173-2-70  
STA. 235+00.00 NB.  
N 484,300.00  
E 2,092,111.15  
1872.50' N. AND 420.04' W. OF THE CENTER  
OF SEC. 20, T 31N, R 7E

EXCEPTION TO NET R LENGTH  
STA. 219+96.94 NB - STA. 221 + 88.29

STA. 149+41.92 NB. - STA. 154+06.08 NB.  
EXCEPTION TO NET R LENGTH

BEGIN PROJECT 1173-2-70  
STA. 82+58.10 NB.  
N 469,213.64  
E 2,093,152.04  
0.02' S. AND 565.84' E. OF THE S-1/4 COR.  
OF SEC. 32, T 31N, R 7E

BEGIN CONSTRUCTION 1173-2-70  
STA. 173 + 50.00

Scale 0 2 MI.

Total Net Length of Referenceline = 2.763 Mi.

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

### 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<br>Barbed | Reference Stake for Hubs Only |  |
| Lot Line                    |                 | Marsh                         |  |
| Corporate or City Limits    |                 | Hedge                         |  |
| Property Line               |                 | Trees                         |  |
| Traveled Way or R. E.       |                 | Ground Elevation              |  |
| Railroads                   |                 | Grade Elevation               |  |
| Base or Survey Line         |                 | DITCH DIKE                    |  |
| NORTHBOUND                  |                 | DITCH DIKE AT STRUCTURE       |  |
| SOUTHBOUND                  |                 | EXISTING WOODS                |  |
| UNDERGROUND TELEPHONE CABLE |                 |                               |  |

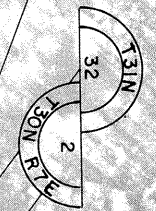
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
Surveyor	J.R.W.	District Checker	R.W.B.
Designer	F.D.R.	C.O. Checker	J.L.J.
Correct:			
Date	11/15/72		District Engineer
Recommended for Approval:			
Date	12/4/72		Chief Design Engineer
Approved:			
Date	12-7-72		State Highway Engineer
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION			
REGION	WISCONSIN DIVISION		
Approved:			
Date	Division Engineer		

1173-2-70

REVISION DATE	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.3	
9-25-72 NC	FEDERAL PROJECT DESIGNATION		
PLAT OF RIGHT OF WAY REQUIRED SOUTH COUNTY LINE - MERRILL LINCOLN COUNTY, U.S.H. 51 SCALE 1" = 200 FT. DATE MARCH 8, 1971.			
CONST. PROJECT 1173-2-70		4.2	

CURVE 22  
P.I. 90+49.21  
N 469,954.24  
E 2,092,838.51  
I 191° 09' 35"  
Δ 11° 09' 35"  
D. 0° 45'  
T. 746.33'  
L. 1487.94'  
E. 36.37'  
R. 7639.44'

6"X6" GRANITE MONUMENT  
1' NORTH OF FENCE CORNER



6"X6" GRANITE MONUMENT  
1' SOUTH OF FENCE CORNER

1/4 LINE BY USING GRANITE MONUMENT & IRON PIPE

3.2 A.C. SEVERED

4.0 A.C. SEVERED

IRON PIPE 25'  
SOUTH OF 1/4 CORNER

SLOPE INTERCEPTS

SLOPE INTERCEPTS

DUNCAN McDONALD  
V.251 P.225  
59.7 A.C. REMAINING

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

LEGEND  
.....  
DENOTES NO ACCESS

EQUATION  
P.O.T. 82+91.92 AHEAD  
P.O.T. 78+29.15 BACK

EQUATION  
P.O.T. 771+02.75 BACK  
P.O.T. 82+58.10 AHEAD

LINCOLN COUNTY  
MARATHON COUNTY

SCOTT

GOV'T LOT 3

1/16 LINE BY USING FENCE LINES  
95+85 ±

GN



TOWN

NW-SE

P.L. EXISTING TOWN ROAD  
1/16 LINE BY USING FENCE LINES

1/4 LINE BY USING 1 TOWN ROAD & IRON PIPES  
P.L. 109+10 ±

33'

33'

110

100

100

100

100

100

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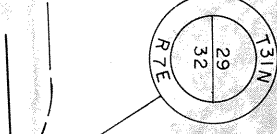
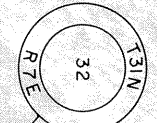
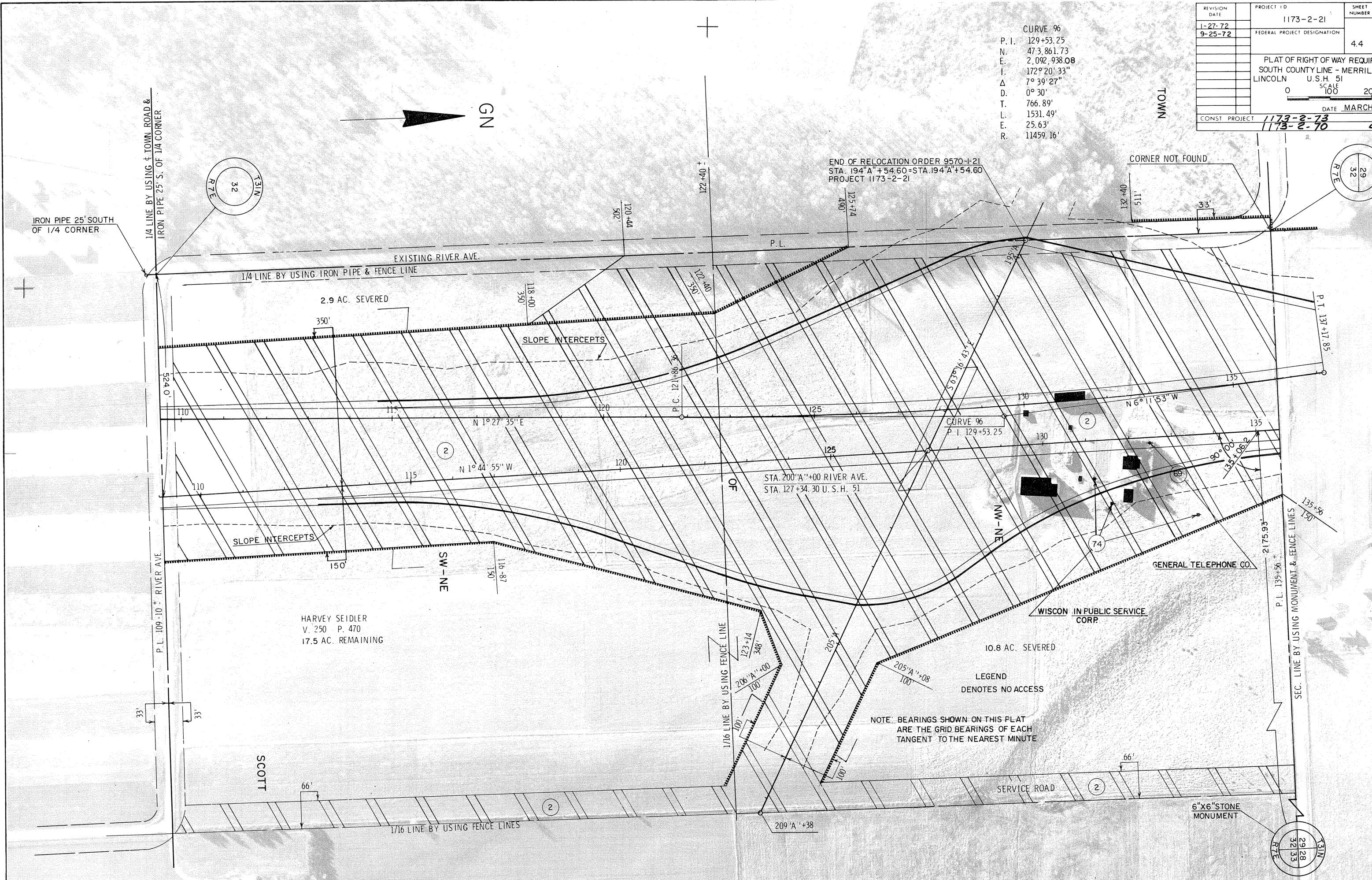
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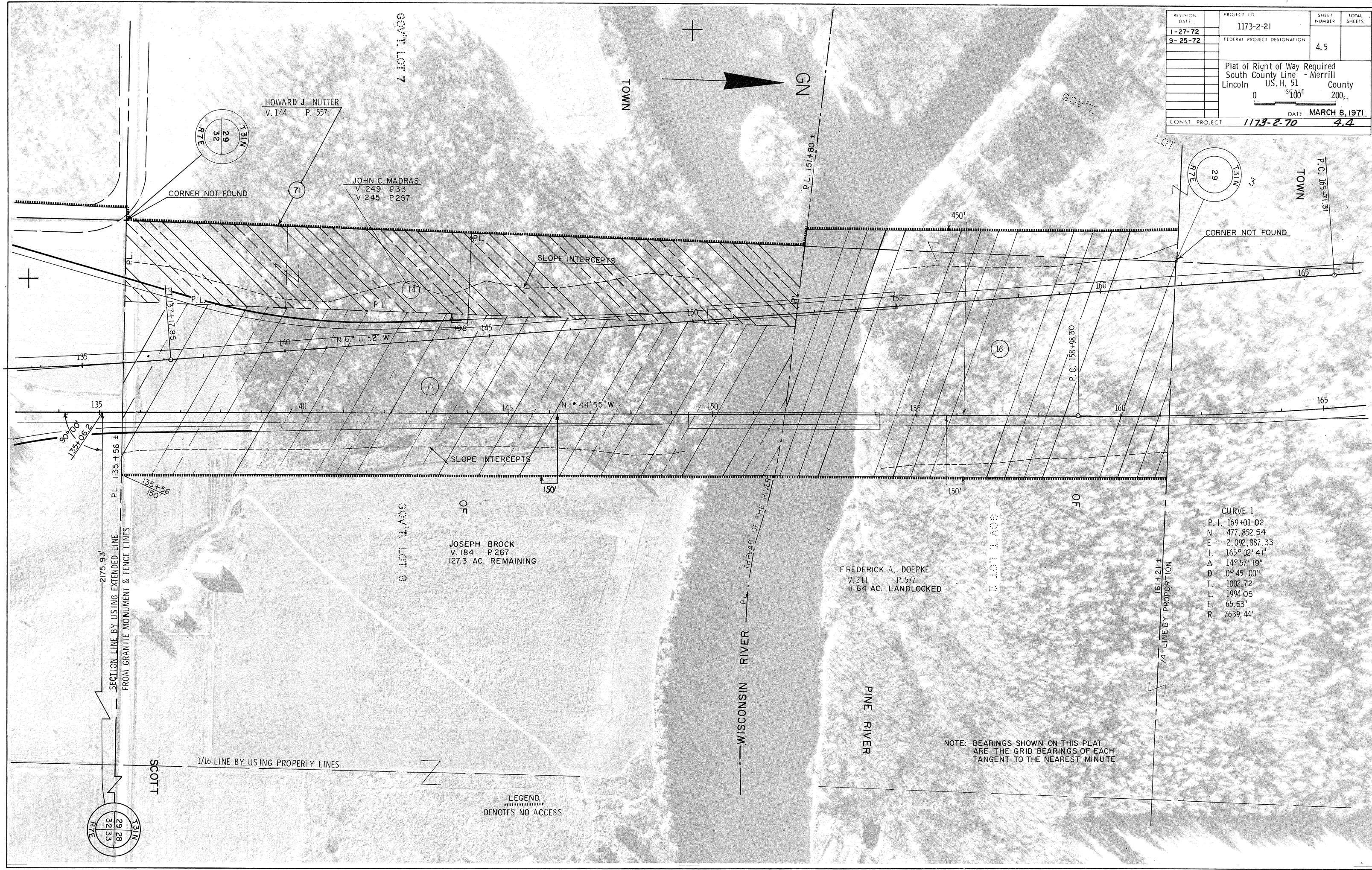
100

REVISION DATE	PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.4	
9-25-72	FEDERAL PROJECT DESIGNATION		
PLAT OF RIGHT OF WAY REQUIRED			
SOUTH COUNTY LINE - MERRILL			
LINCOLN U.S.H. 51 COUNTY			
SCALE 1" = 200'			
DATE MARCH 8, 1971			
CONST PROJECT	1173-2-73	7.1	
	1173-2-70	7.3	

CURVE 96  
P. I. 129+53.25  
N. 473,861.73  
E. 2,092,938.08  
L. 172° 20' 33"  
Δ 7° 39' 27"  
D. 0° 30'  
T. 766.89'  
L. 1531.49'  
E. 25.63'  
R. 11459.16'



REVISION	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
DATE	1173-2-21		
1-27-72	FEDERAL PROJECT DESIGNATION	4,5	
9-25-72			
	Plat of Right of Way Required South County Line - Merrill Lincoln US.H. 51 County 0 100' 200'		
		DATE	MARCH 8, 1971
CONST. PROJECT	1173-2-70		4,4



REVISION DATE	PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.6	
9-25-72	FEDERAL PROJECT DESIGNATION		
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			
NEXT PROJECT 1173-2-70 4.5			

CURVE 196  
P.I. 174+35.23  
N. 478.319.79  
E. 2,092.453.94  
I. 171° 22' 37"  
Δ 8° 37' 23"  
D. 0° 30'  
T. 863.93'  
L. 1724.59'  
E. 32.52'  
R. 11459.16

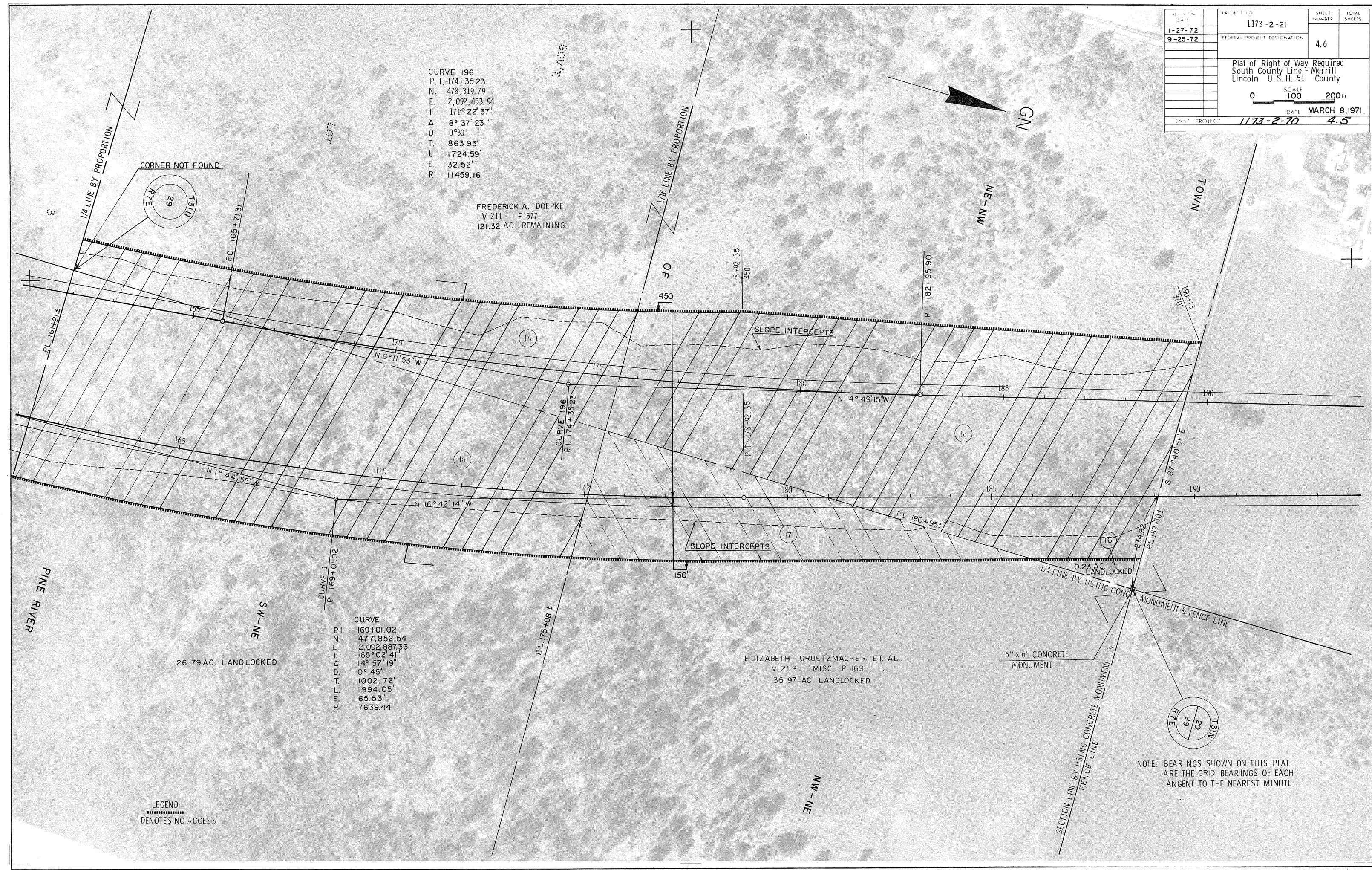
FREDERICK A. DOEPKE  
V 211 P 577  
121.32 AC. REMAINING

CURVE 1  
P.I. 169+01.02  
N. 477.852.54  
E. 2,092.887.33  
I. 165° 02' 41"  
Δ 14° 57' 19"  
D. 0° 45'  
T. 1002.72'  
L. 1994.05'  
E. 65.53'  
R. 7639.44'

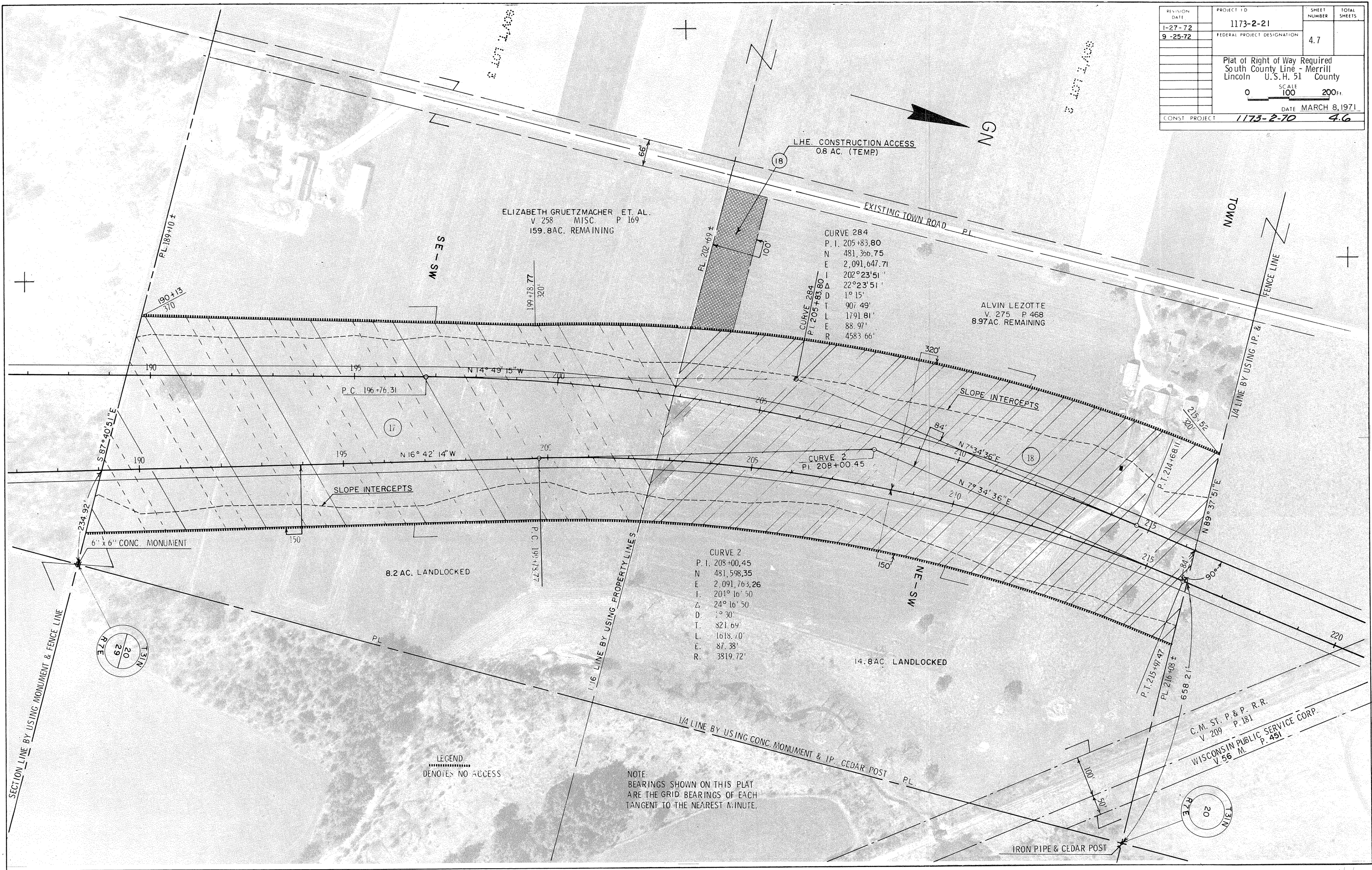
ELIZABETH GRUETZMACHER ET AL  
V 258 MISC P 163  
35.97 AC. LANDLOCKED

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	4.7	
9-25-72	FEDERAL PROJECT DESIGNATION		
	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	1173-2-70	4.6	



ELIZABETH GRUETZMACHER ET. AL.  
 V. 258 MISC. P. 169  
 159.8 AC. REMAINING

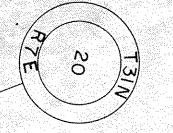
ALVIN LEZOTTE  
 V. 275 P. 468  
 8.97 AC. REMAINING

CURVE 284  
 P. I. 205+83.80  
 N 481,360.75  
 E 2,091,647.71  
 I 202°23'51"  
 Δ 22°23'51"  
 D 1°15"  
 T 907.49'  
 L 1791.81'  
 E 88.97'  
 R 4583.66'

CURVE 2  
 P. I. 208+00.45  
 N 481,598.35  
 E 2,091,763.26  
 I 204°16'50"  
 Δ 24°16'50"  
 D 1°30"  
 T 321.64'  
 L 1618.70'  
 E 87.38'  
 R 3819.72'

LEGEND  
 DENOTES NO ACCESS

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



SECTION LINE BY USING MONUMENT & FENCE LINE

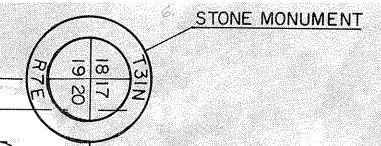
1/16 LINE BY USING PROPERTY LINES

1/4 LINE BY USING CONC. MONUMENT & IP, CEDAR POST

1/4 LINE BY USING I.P. & FENCE LINE

C.M. ST. P. & P. R.R.  
 V. 209 P. 181  
 WISCONSIN PUBLIC SERVICE CORP.  
 V. 56 M. P. 451

REVISION DATE	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.8	
9-25-72	FEDERAL PROJECT DESIGNATION		
	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	1173-2-73	4.9	
	1173-2-70	4.7	

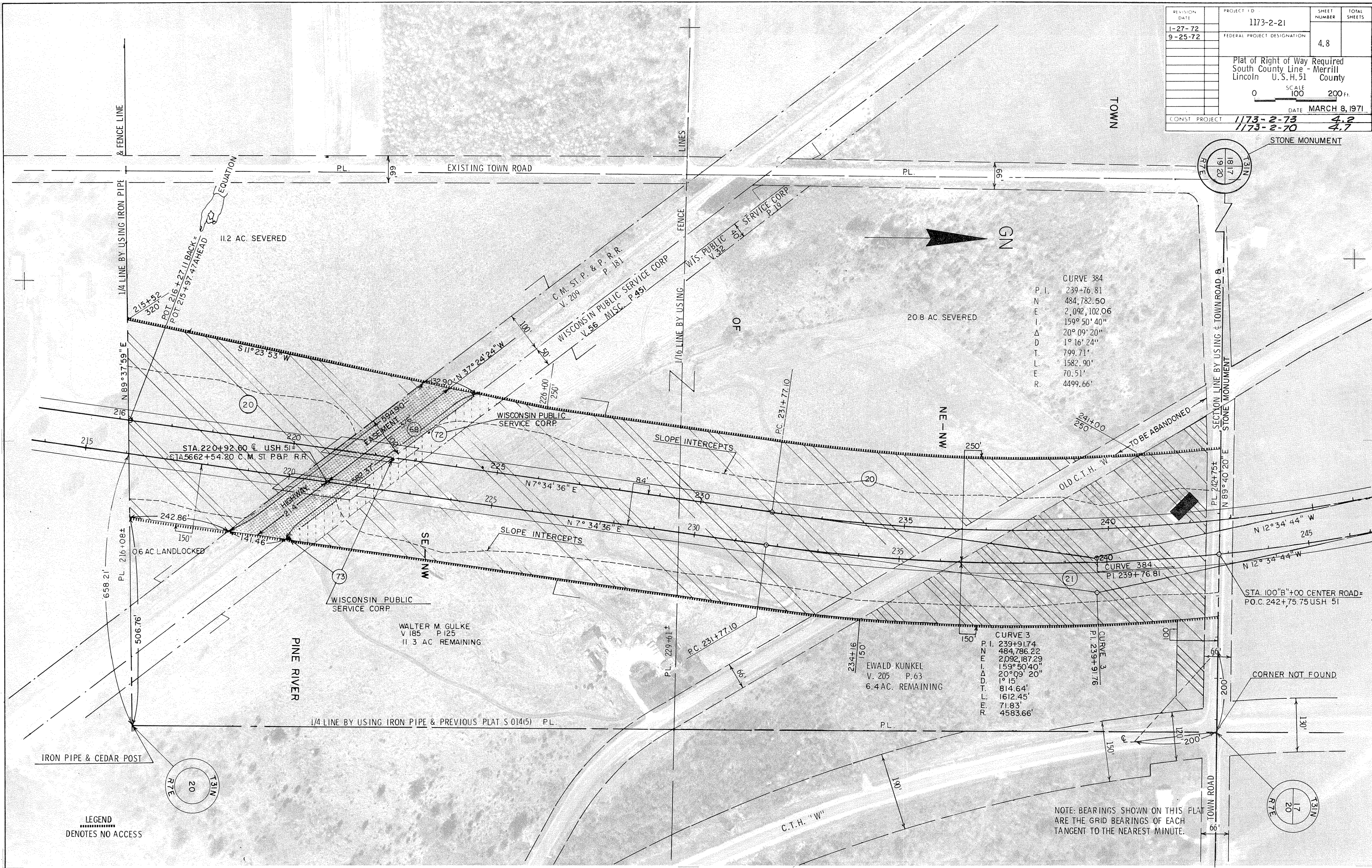


CURVE 384

P. I.	239+76.81
N	484,782.50
E	2,092,102.06
L	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	2,092,187.29
L	159° 50' 40"
Δ	20° 09' 20"
D	1° 15'
T	814.64'
L	1612.45'
E	71.83'
R	4583.66'

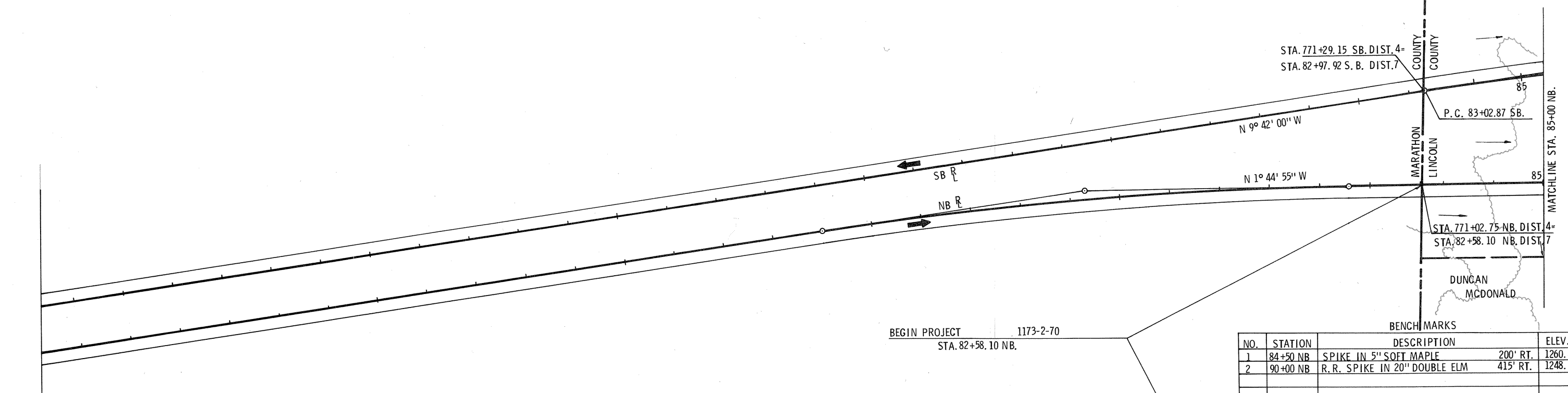
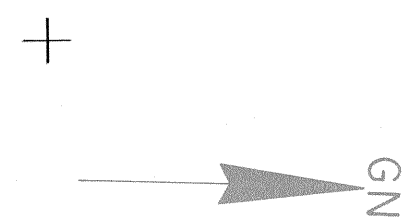


LEGEND  
.....  
DENOTES NO ACCESS

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

PROJECT I.D.	1173-2-70	SHEET NUMBER	5	TOTAL SHEETS	
FEDERAL PROJECT DESIGNATION					

Plan & Profile  
Sta. 82+58.10 NB. - Sta. 85+00 NB.  
For  
U. S. H. 51 Lincoln County



NET NB. L LENGTH STA. 82+58.10 TO STA. 85+00 = 241.90 LIN. FT.

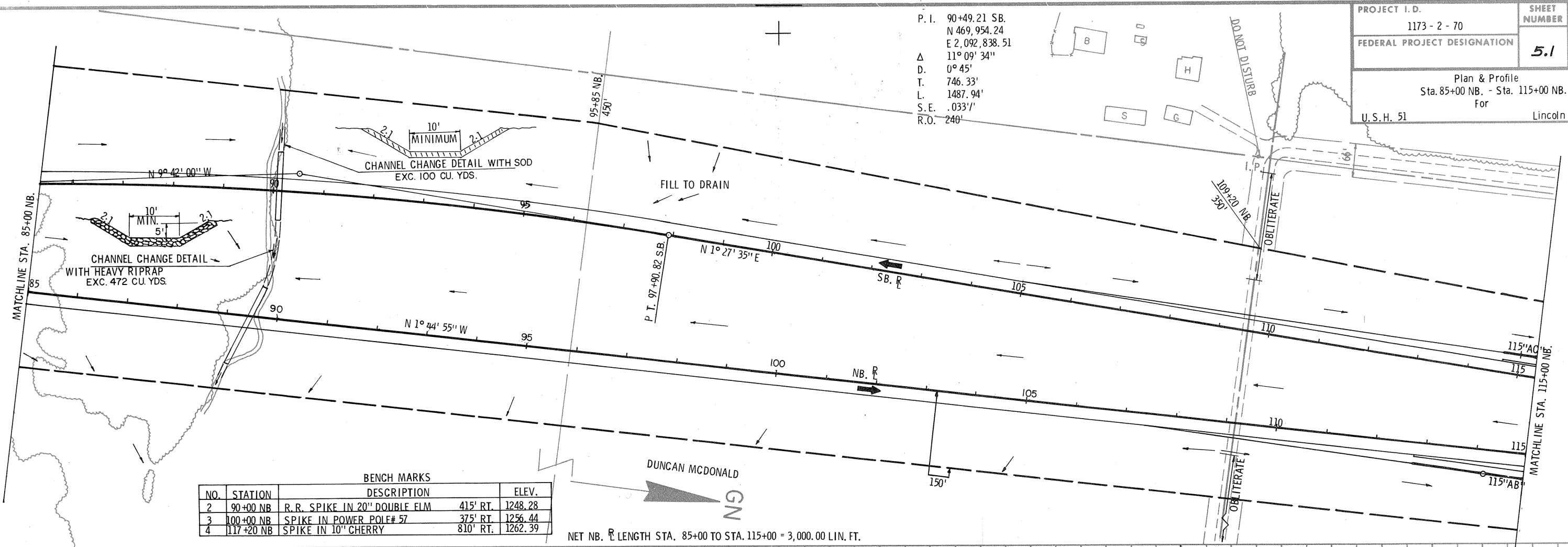
BENCH MARKS				
NO.	STATION	DESCRIPTION		ELEV.
1	84+50 NB	SPIKE IN 5" SOFT MAPLE	200' RT.	1260.42
2	90+00 NB	R. R. SPIKE IN 20" DOUBLE ELM	415' RT.	1248.28





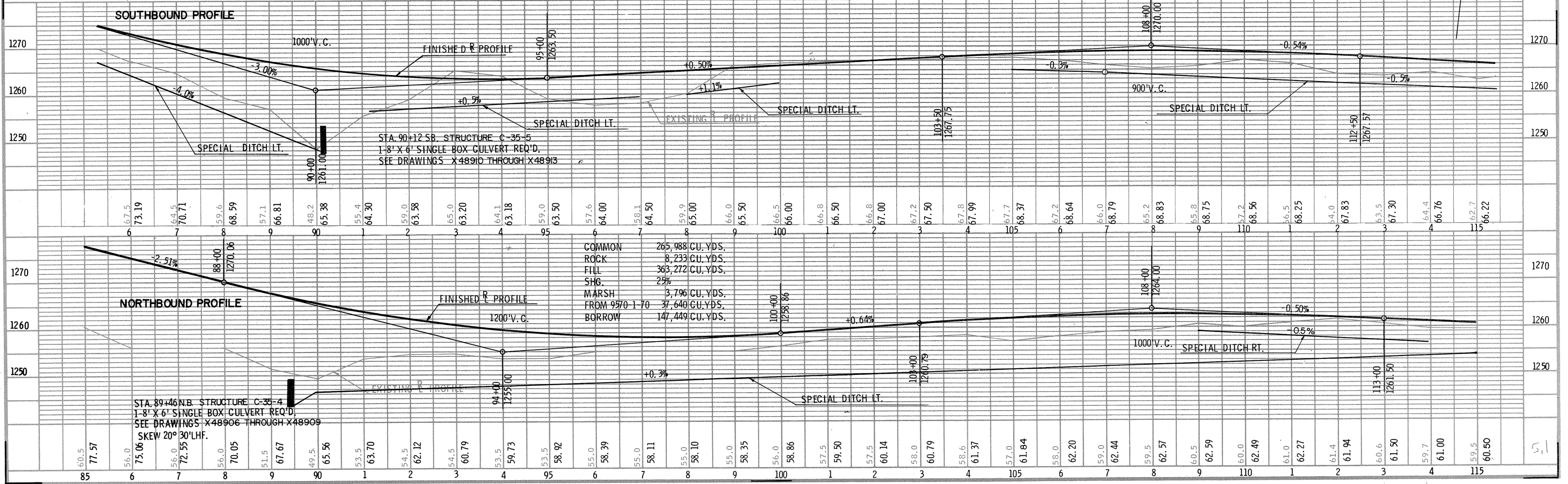
PROJECT I.D. 1173 - 2 - 70	SHEET NUMBER <b>5.1</b>	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION		
Plan & Profile Sta. 85+00 NB. - Sta. 115+00 NB. For Lincoln County		
U.S.H. 51		

P.I. 90+49.21 SB.  
N 469,954.24  
E 2,092,838.51  
Δ 11° 09' 34"  
D. 0° 45'  
T. 746.33'  
L. 1487.94'  
S.E. .033' /'  
R.O. 240'



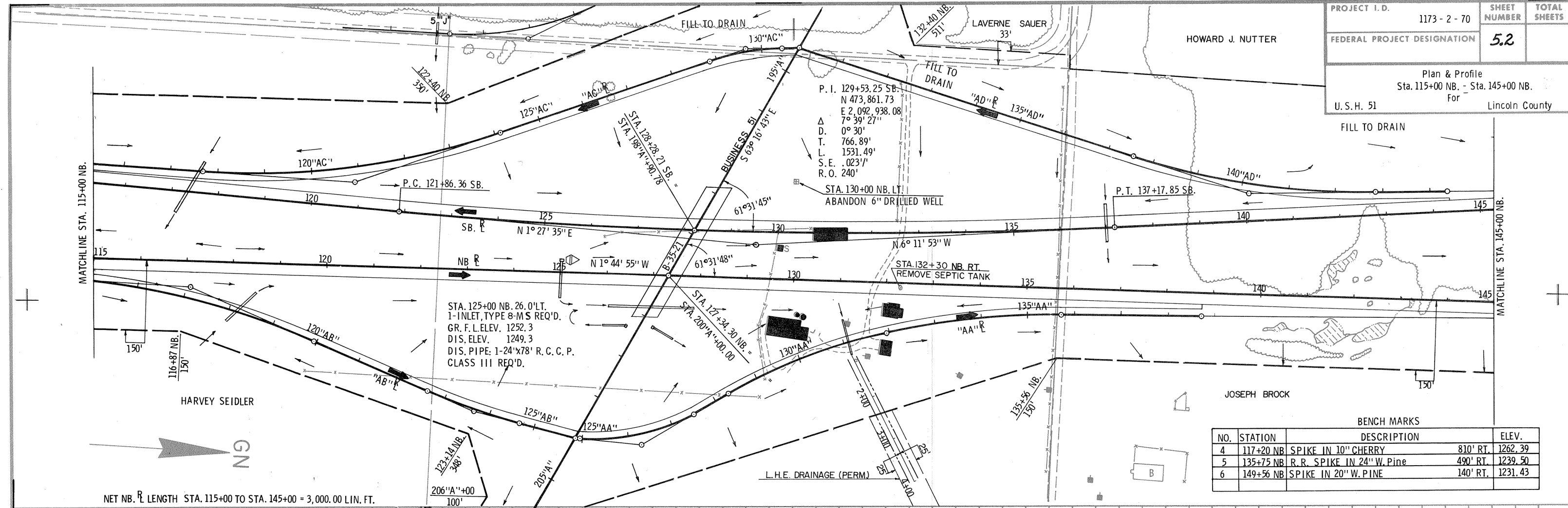
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
2	90+00 NB	R.R. SPIKE IN 20" DOUBLE FLM	415' RT. 1248.28
3	100+00 NB	SPIKE IN POWER POLE # 57	375' RT. 1256.44
4	117+20 NB	SPIKE IN 10" CHERRY	810' RT. 1262.39

NET NB. R LENGTH STA. 85+00 TO STA. 115+00 = 3,000.00 LIN. FT.



PROJECT I.D.	1173-2-70	SHEET NUMBER	5.2	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION				

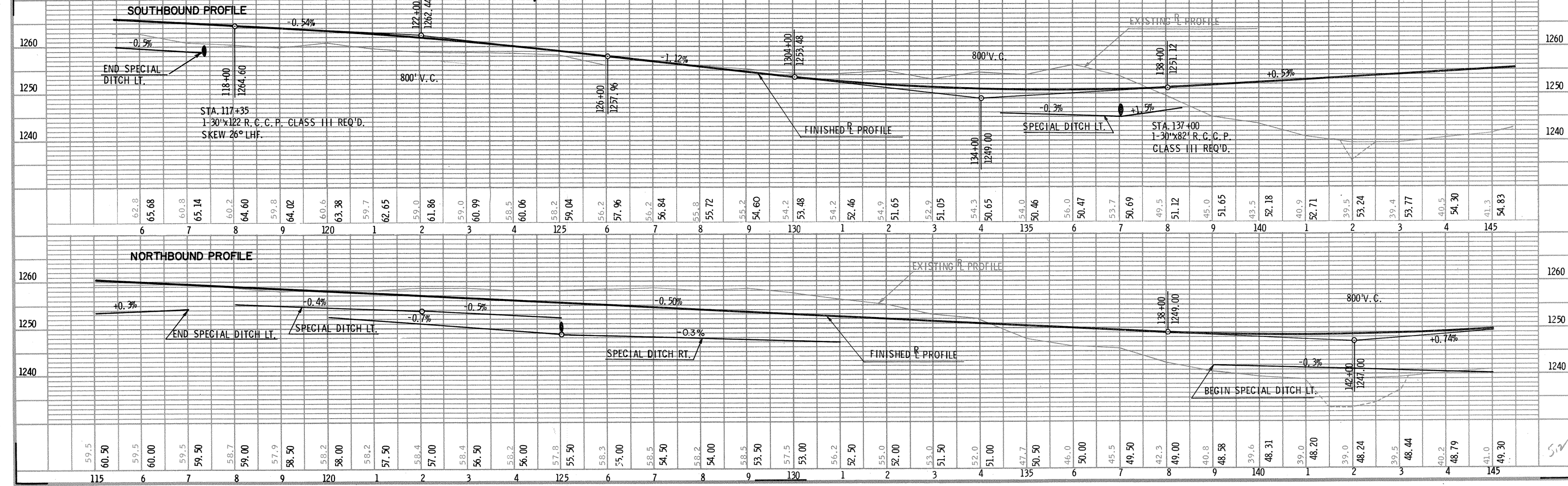
Plan & Profile  
 Sta. 115+00 NB. - Sta. 145+00 NB.  
 For Lincoln County  
 U.S.H. 51

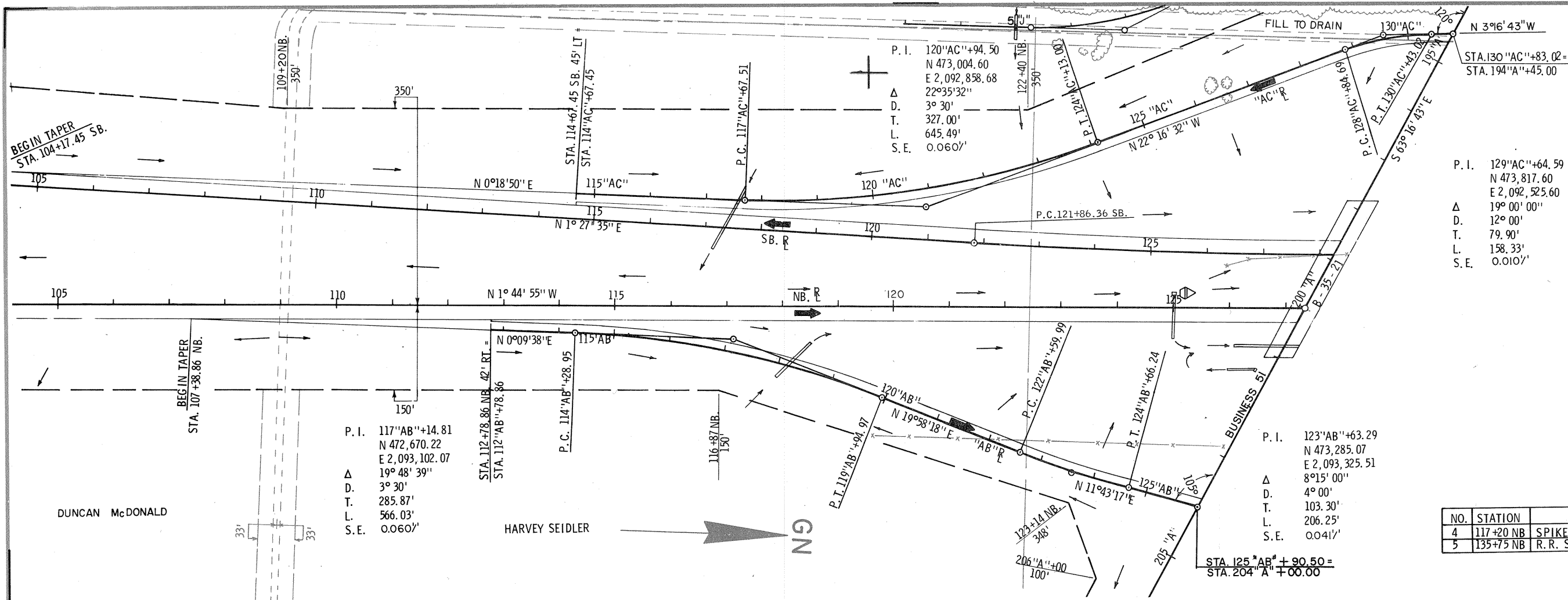


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
4	117+20 NB	SPIKE IN 10" CHERRY	810' RT. 1262.39
5	135+75 NB	R.R. SPIKE IN 24" W. PINE	490' RT. 1239.50
6	149+56 NB	SPIKE IN 20" W. PINE	140' RT. 1231.43

NET NB. R. LENGTH STA. 115+00 TO STA. 145+00 = 3,000.00 LIN. FT.

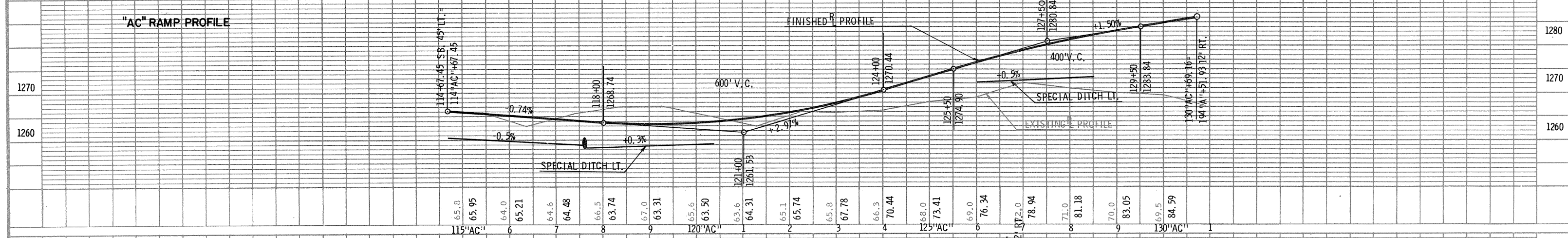




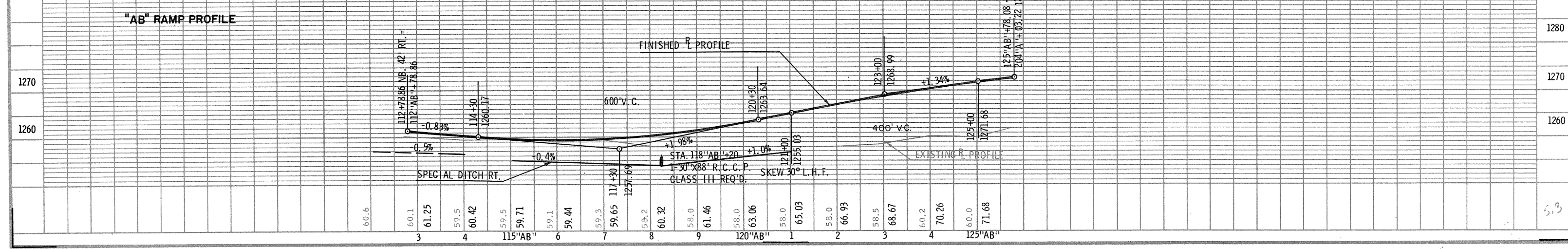
P.I. 129''AC''+64.59  
N 473,817.60  
E 2,092,525.60  
Δ 19°00'00"  
D 12°00'  
T 79.90'  
L 158.33'  
S.E. 0.0107'

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
4	117+20 NB	SPIKE IN 10" CHERRY	810' RT. 1262.39
5	135+75 NB	R.R. SPIKE IN 24" W. PINE	490' RT. 1239.50

"AC" RAMP PROFILE

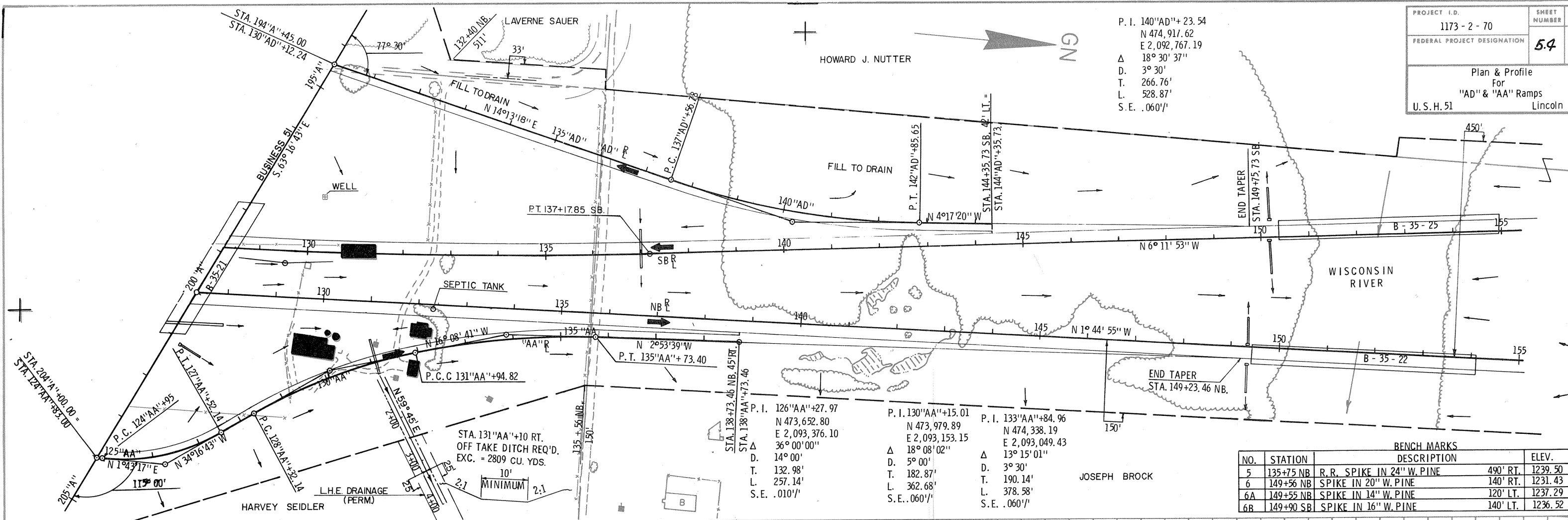


"AB" RAMP PROFILE



PROJECT I.D. 1173 - 2 - 70	SHEET NUMBER 54	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION		
Plan & Profile For "AD" & "AA" Ramps U.S.H. 51 Lincoln County		

P. I. 140"AD" + 23.54  
 N 474,917.62  
 E 2,092,767.19  
 Δ 18° 30' 37"  
 D. 3° 30'  
 T. 266.76'  
 L. 528.87'  
 S.E. .060'/'



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
5	135+75 NB	R.R. SPIKE IN 24" W. PINE	490' RT. 1239.50
6	149+56 NB	SPIKE IN 20" W. PINE	140' RT. 1231.43
6A	149+55 NB	SPIKE IN 14" W. PINE	120' LT. 1237.29
6B	149+90 SB	SPIKE IN 16" W. PINE	140' LT. 1236.52

