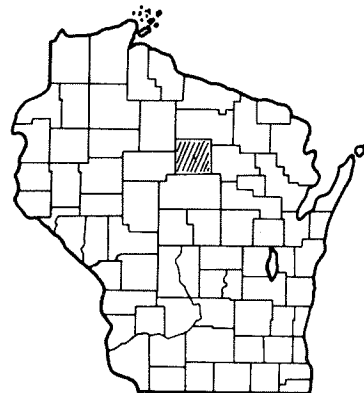


Index of Sheets

Sheet No. 1	Title
Sheet No. 2-2.1	Typical Cross Sections
Sheet No. 3	Estimate of Quantities
Sheet No. 3	Miscellaneous Quantities
Sheet No. 4-4.2	Right of Way Plat
Sheet No. 5-5.2	Plan and Profile
Sheet No. 6	Standard Details
Sheet No. 7-7.30	Structure Plans
Sheet No. —	Cross Sections
Total Sheets - 42	



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 INTERCHANGE

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 or Survey Line	-----		



STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

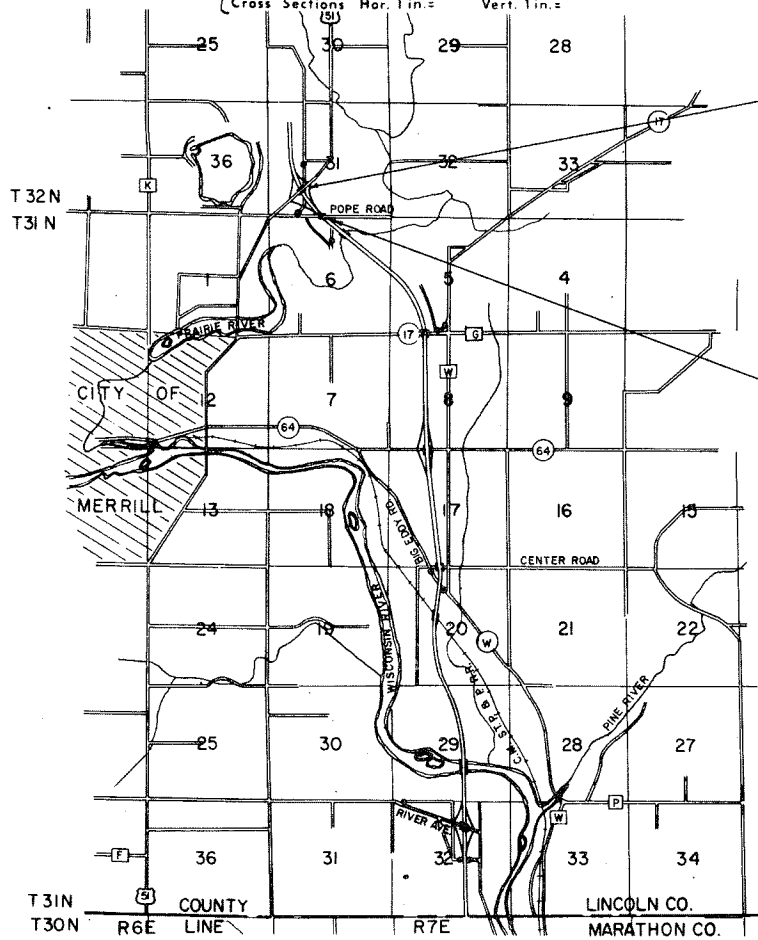
PLAN AND PROFILE OF PROPOSED

SOUTH COUNTY LINE - MERRILL ROAD
POPE ROAD AND BUSINESS U.S.H. 51 STRUCTURES
 U.S.H. 51

LINCOLN COUNTY

STATE PROJECT NUMBER
1173-2-77

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



PROJECT 1173-2-77 STA. 439+61.41 NB.
 B - 35 - 34 * STA. 439+61.41 NB. RF 05-4(53)
 N 502,527.89
 E 2,085,680.99
 978.42' S. & 1,542.36' W. OF THE CENTER OF
 SEC. 31, T 32 N, R 7 E.

PROJECT 1173-2-77 STA. 417+88.34 NB.
 B - 35 - 33 * STA. 417+88.34 NB. RF 05-4(53)
 N 500,899.87
 E 2,087,103.36
 2,606.44' S. & 119.99' W. OF THE CENTER OF
 SEC. 31, T 32 N, R 7 E

Layout

Scale

Total Net Length of Reference Line = 0.000 Mi.

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

Sheet Number	Total Sheets
1	

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1173-2-77	RF 05-4(56)	1

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

Surveyor J.R.W. District Checker G.S.W.
 Designer F.D.R. C.O. Checker I.L.V.

Correct:

Date 10/2/73 P.O. Schindler
 District Engineer

Recommended for Approval:
 Date 11/20/73 J.C. Keenan
 CHIEF OF FACILITIES DEVELOPMENT

Approved:
 Date 11/20/73 W.L. Priedler
 State Highway Engineer

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

REGION WISCONSIN DIVISION

Approved:
 Date _____
 Division Engineer

REVISION DATE	PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1-27-72	1173-2-21	4.18	
9-25-72	FEDERAL PROJECT DESIGNATION		
3-12-73			
7-24-73			
PLAT OF RIGHT OF WAY REQUIRED SOUTH COUNTY LINE - MERRILL LINCOLN U.S. 51 COUNTY			
SCALE 1" = 100' 200'			
DATE MARCH 8, 1971			
CONST. PROJECT		1173-2-72	4.2
		1173-2-77	4.1

CURVE 1		CURVE 2	
P. I.	6°H'+94.16	P. I.	13°H'+34.38
I.	95°00'	I.	96°00'
Δ	85°00'	Δ	84°00'
D.	16°30'	D.	23°00'
T.	318.19'	T.	224.30'
L.	515.15'	L.	365.22'
E.	123.74'	E.	86.10'
R.	347.25'	R.	249.11'

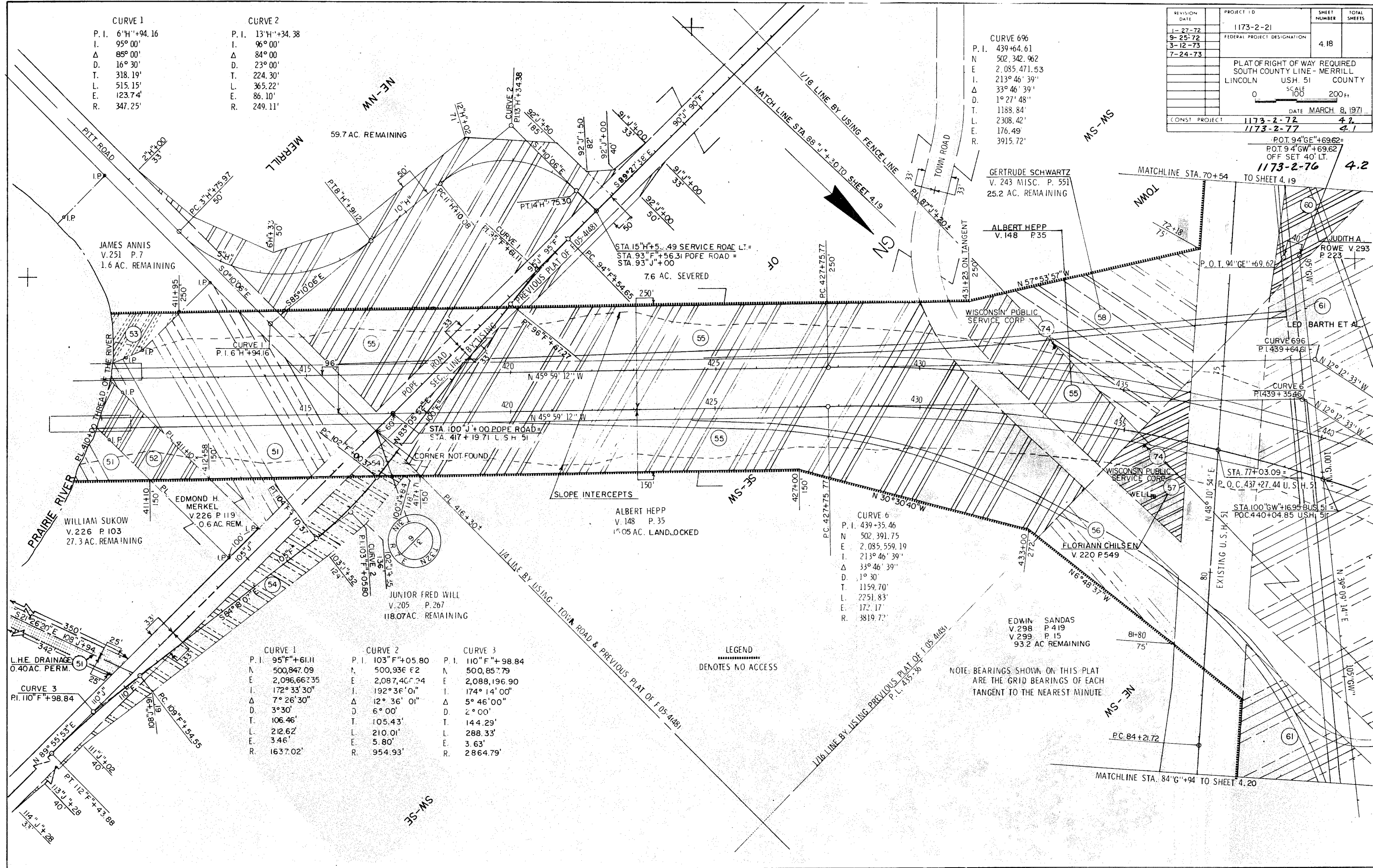
CURVE 696	
P. I.	439+64.61
N	502,342.962
E	2,085,471.53
I.	213°46'39"
Δ	33°46'39"
D.	1°27'48"
T.	1188.84'
L.	2308.42'
E.	176.49'
R.	3915.72'

CURVE 6	
P. I.	439-35.46
N	502,391.75
E	2,085,559.19
I.	213°46'39"
Δ	33°46'39"
D.	1°30'
T.	1159.70'
L.	2251.83'
E.	172.17'
R.	3819.72'

CURVE 1		CURVE 2		CURVE 3	
P. I.	95°F'+61.11	P. I.	103°F'+05.80	P. I.	110°F'+98.84
N	500,847.09	N	500,936.62	N	500,857.79
E	2,096,667.35	E	2,087,407.24	E	2,088,196.90
I.	172°33'30"	I.	192°36'01"	I.	174°14'00"
Δ	7°26'30"	Δ	12°36'01"	Δ	5°46'00"
D.	3°30'	D.	6°00'	D.	2°00'
T.	106.46'	T.	105.43'	T.	144.29'
L.	212.62'	L.	210.01'	L.	288.33'
E.	3.46'	E.	5.80'	E.	3.63'
R.	1637.02'	R.	954.93'	R.	2864.79'

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		7
9-25-72	FEDERAL PROJECT DESIGNATION	4.21	
3-12-73			
7-24-73			
	Plat of Right of Way Required South County Line - Merrill Lincoln U. S. H. Sc. 51 E County 0 100 200 ft.		
		DATE MARCH 8, 1971	
CONST PROJECT	1173-2-72	4.5	
	1173-2-77	4.2	

CURVE 696
P. I. 439+64.61
N 502,342.96
E 2,085,471.53
I. 213° 46' 39"
Δ 33° 46' 39"
D. 1° 27' 48"
T. 1188.84'
L. 2308.42'
E. 176.49'
R. 3915.72'

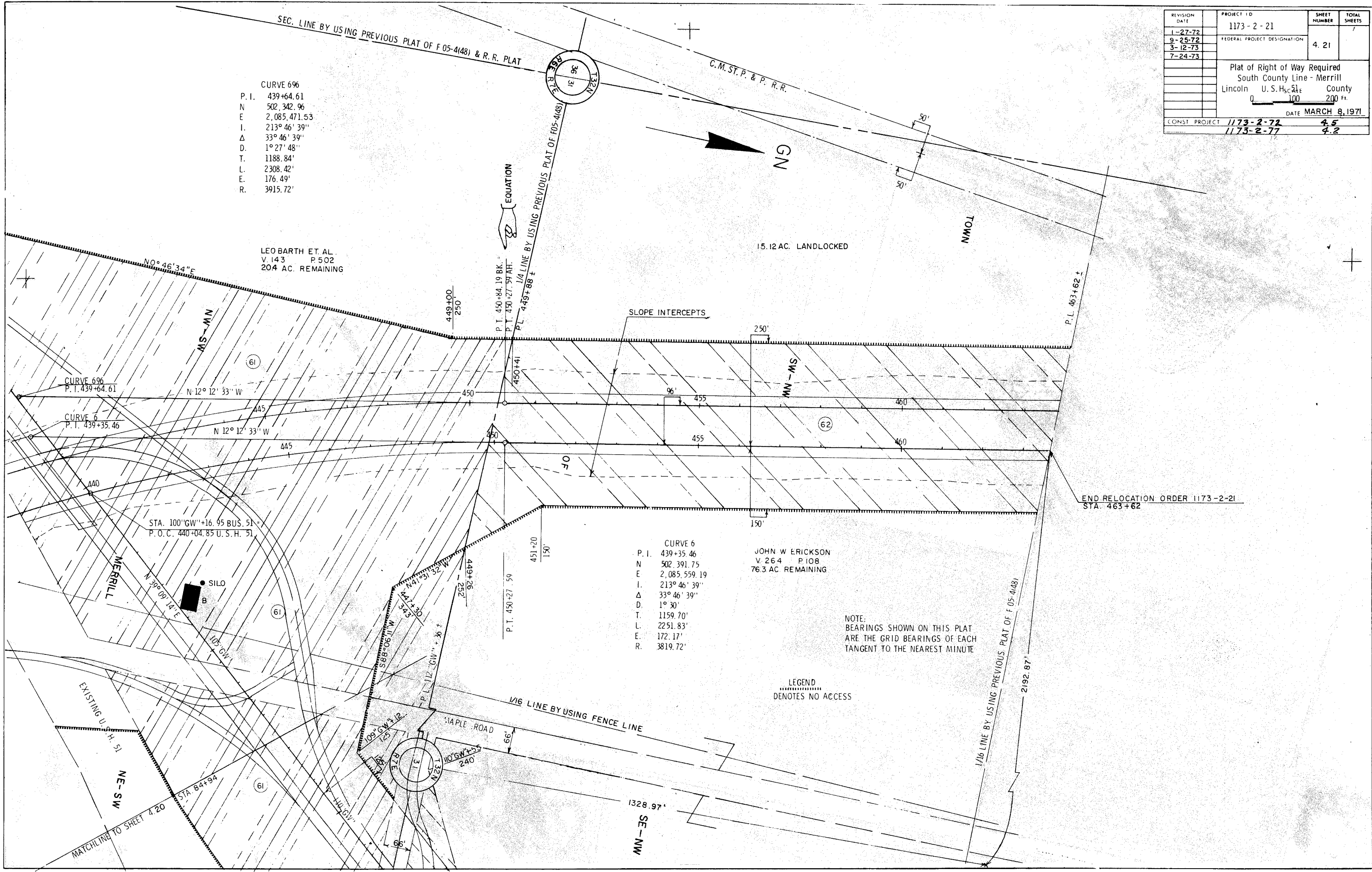
LEO BARTH ET AL.
V. 143 P. 502
204 AC. REMAINING

CURVE 6
P. I. 439+35.46
N 502,391.75
E 2,085,559.19
I. 213° 46' 39"
Δ 33° 46' 39"
D. 1° 30'
T. 1159.70'
L. 2251.83'
E. 172.17'
R. 3819.72'

JOHN W ERICKSON
V. 264 P. 108
76.3 AC. REMAINING

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

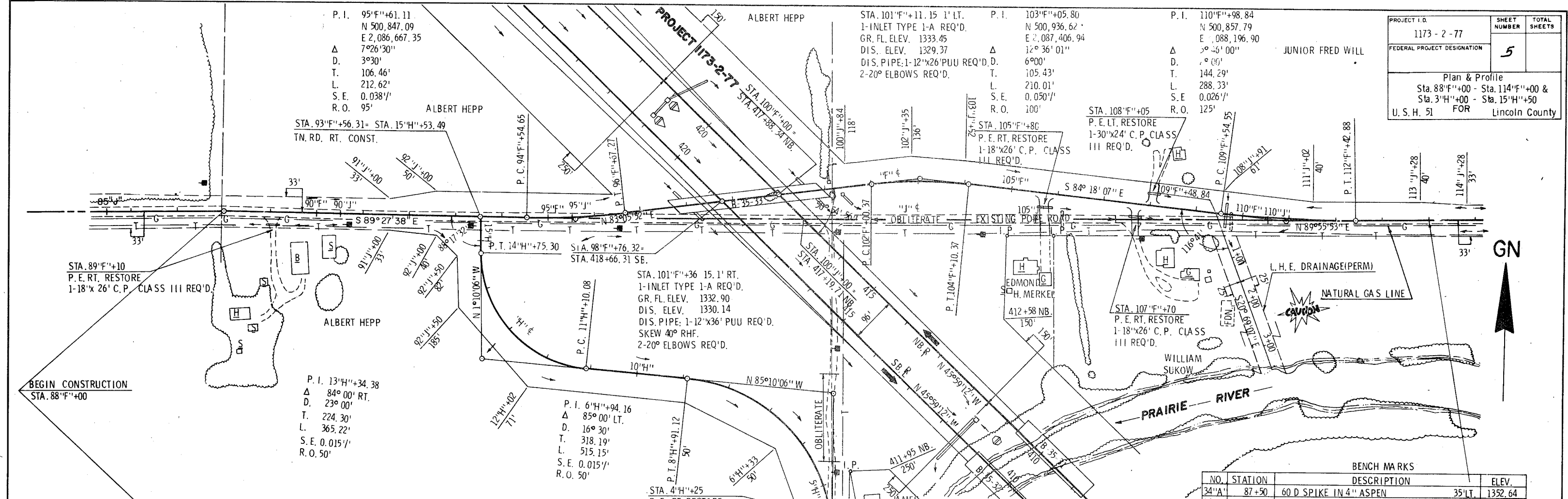
LEGEND
.....
DENOTES NO ACCESS



END RELOCATION ORDER 1173-2-21
STA. 463+62

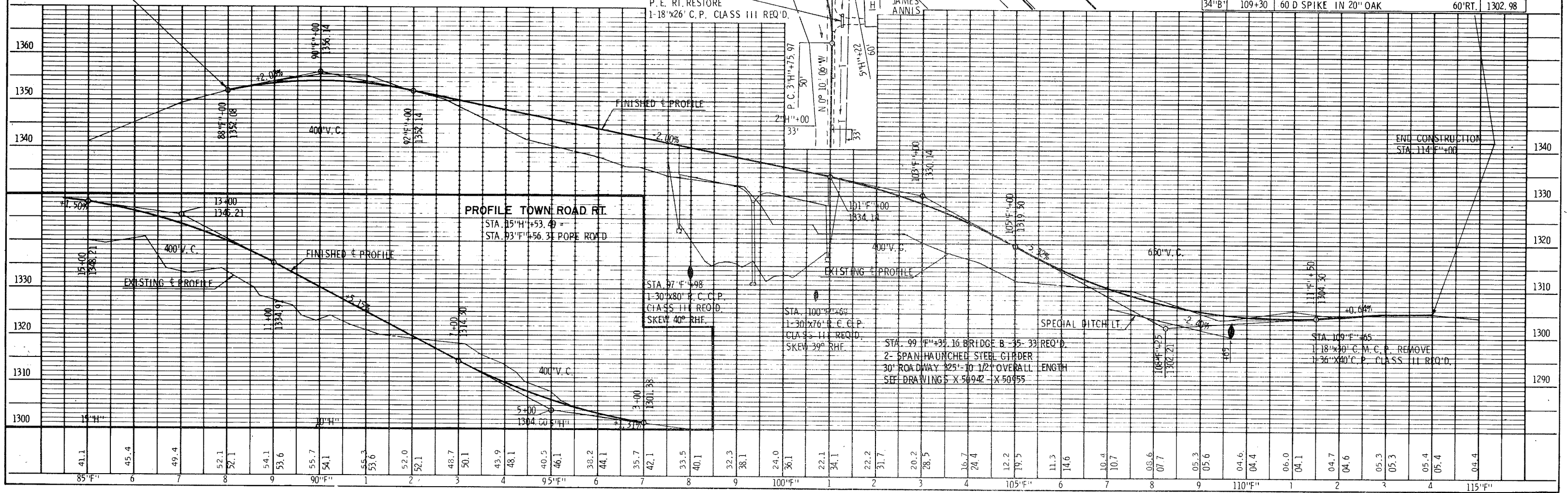
MATCHLINE TO SHEET 4.20

PROJECT I.D.	1173-2-77	SHEET NUMBER	5	TOTAL SHEETS	
FEDERAL PROJECT DESIGNATION					
Plan & Profile Sta. 88'+00 - Sta. 114'+00 & Sta. 3'+H'+00 - Sta. 15'+H'+50 FOR U.S.H. 51 Lincoln County					



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
34'A	87+50	60 D SPIKE IN 4" ASPEN	35'LT, 1352.64
34'B	109+30	60 D SPIKE IN 20" OAK	60'RT, 1302.98



PROFILE TOWN ROAD RT.
 STA. 15'+H'+53.49 =
 STA. 93'+H'+56.31 POPE ROAD

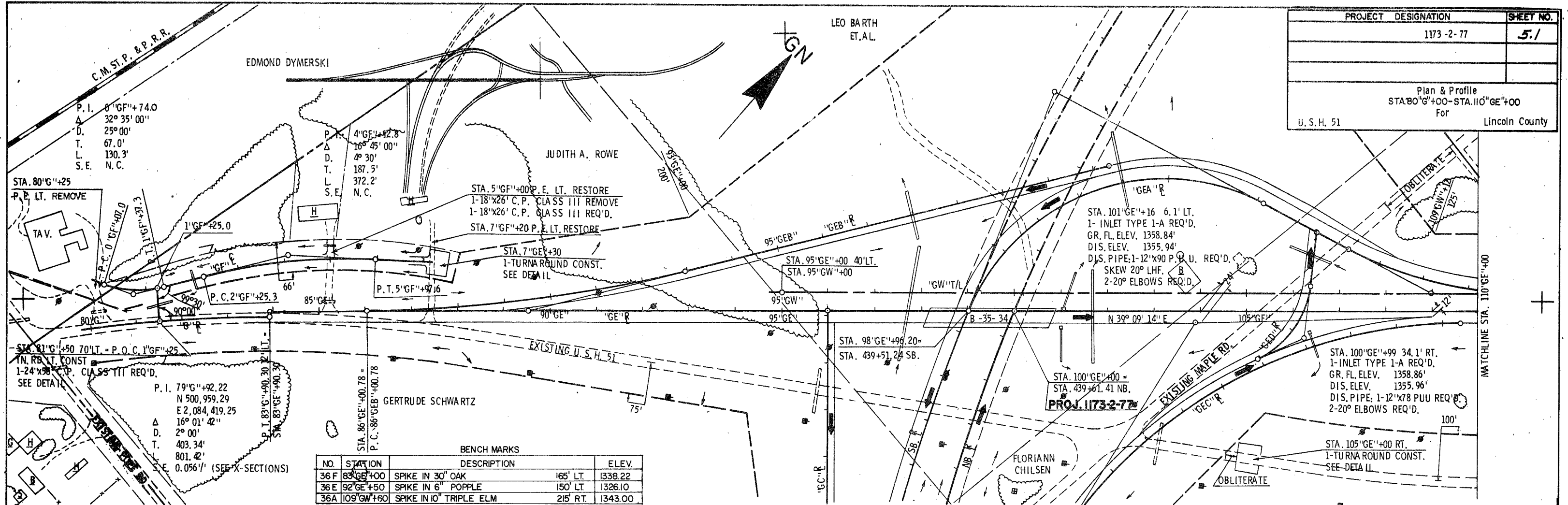
STA. 97'+H'+98
 1-30'x80' C.M.C.P.
 CLASS III REQ'D.
 SKEW 40° RHF.

STA. 100'+H'+60
 1-30'x76' C.M.C.P.
 CLASS III REQ'D.
 SKEW 39° RHF.

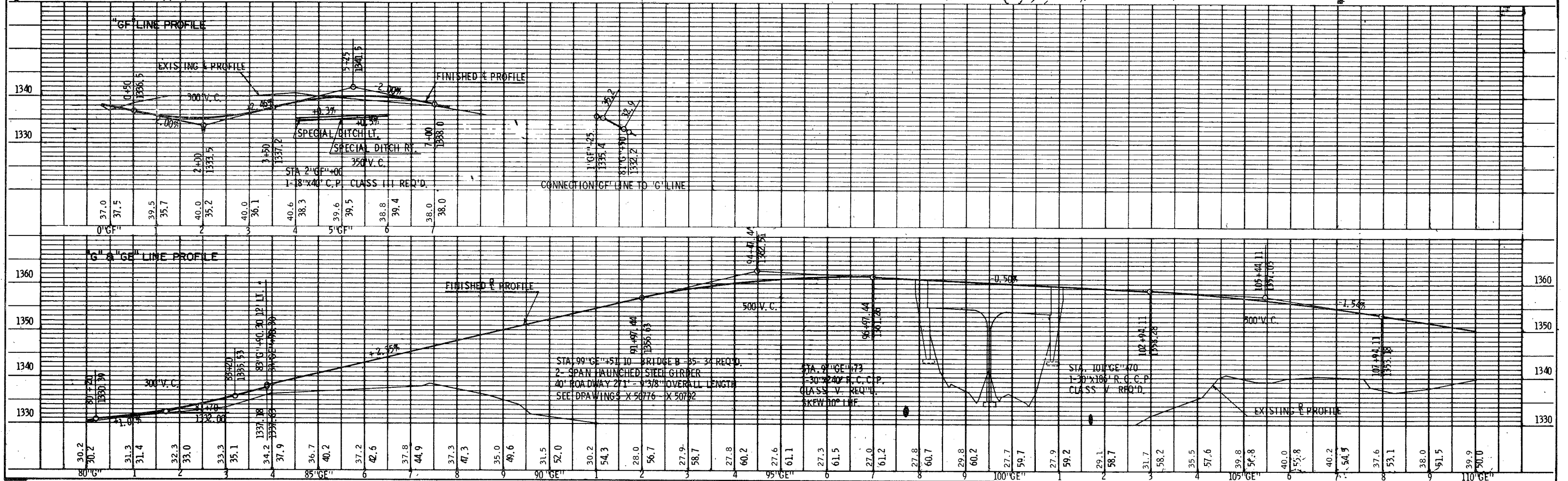
STA. 99'+H'+33.16 BRIDGE B-35-33 REQ'D.
 2-SPAN HAUNCHED STEEL GIRDER
 30' ROADWAY 325'-10 1/2' OVERALL LENGTH
 SEE DRAWINGS X-50942 - X-50955

STA. 109'+H'+65
 1-36'x40' C.M.C.P. CLASS II REQ'D.

PROJECT DESIGNATION	SHEET NO.
1173-2-77	5.1
Plan & Profile STA. 80°G'+00 - STA. 110°G'+00 For Lincoln County	
U. S. H. 51	

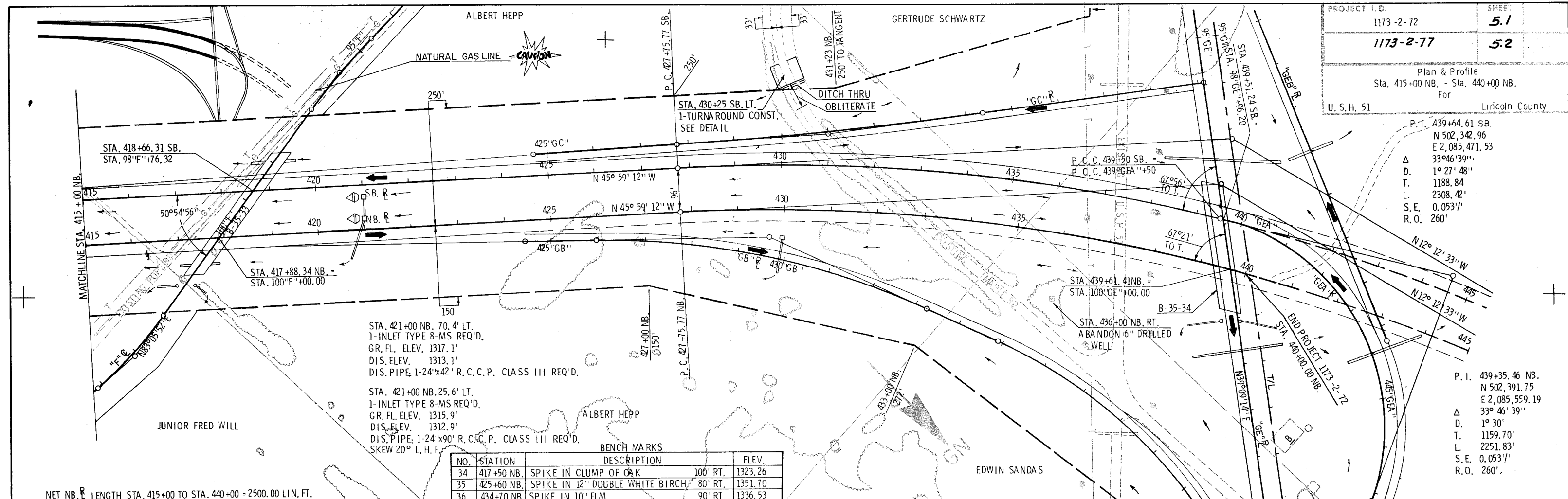


NO.	STATION	DESCRIPTION	ELEV.
36 F	83°G'+00	SPIKE IN 30" OAK	165' LT. 1338.22
36 E	92°G'+50	SPIKE IN 6" POPPLE	150' LT. 1326.10
36 A	109°G'+60	SPIKE IN 10" TRIPLE ELM	215' RT. 1343.00



P.T. 439+64.61 SB.
N 502,342.96
E 2,085,471.53
Δ 33°46'39"
D. 1°27'48"
T. 1188.84
L. 2308.42'
S.E. 0.053'/
R.O. 260'

P.I. 439+35.46 NB.
N 502,391.75
E 2,085,559.19
Δ 33°46'39"
D. 1°30'
T. 1159.70'
L. 2251.83'
S.E. 0.053'/
R.O. 260'



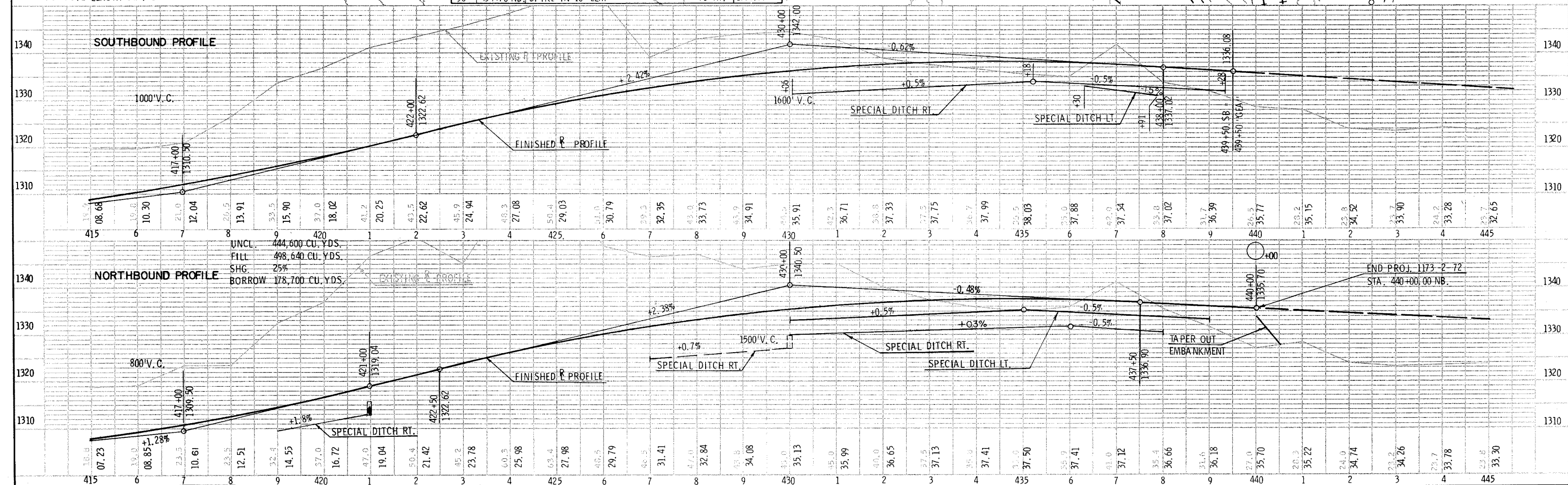
STA. 421+00 NB. 70.4' LT.
1-INLET TYPE 8-MS REQ'D.
GR. FL. ELEV. 1317.1'
DIS. ELEV. 1313.1'
DIS. PIPE: 1-24"x42" R.C.C.P. CLASS III REQ'D.

STA. 421+00 NB. 25.6' LT.
1-INLET TYPE 8-MS REQ'D.
GR. FL. ELEV. 1315.9'
DIS. ELEV. 1312.9'
DIS. PIPE: 1-24"x90" R.C.C.P. CLASS III REQ'D.
SKEW 20° L.H.F.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
34	417+50 NB.	SPIKE IN CLUMP OF OAK	100' RT. 1323.26
35	425+60 NB.	SPIKE IN 12" DOUBLE WHITE BIRCH	80' RT. 1351.70
36	434+70 NB.	SPIKE IN 10" ELM	90' RT. 1336.53

NET NB. LENGTH STA. 415+00 TO STA. 440+00 = 2500.00 LIN. FT.



UNCL. 444,600 CU. YDS.
FILL 498,640 CU. YDS.
SHG. 25%
BORROW 178,700 CU. YDS.

END PROJ. 1173-2-72
STA. 440+00.00 NB.