

LETTING DATE 1-7-91
GRADE & P.C.C. PAVING F-151-3(79)--20-57
LINN COUNTY

STATE	IOWA	FHWA REGION	7	F.Y.		SHEET	A.01	TOTAL	404
PROJECT NUMBER									
F-151-3(79)--20-57									
R.O.W. PROJECT NUMBER									
FN-151-3(4)--21-57									
PIN NUMBER									
77-57090-1									

IOWA
DEPARTMENT OF TRANSPORTATION
Highway Division

PLANS OF PROPOSED IMPROVEMENTS ON THE
PRIMARY ROAD SYSTEM

LINN COUNTY

GRADE & P.C.C. PAVING

U.S. NO. 151 FROM IA. NO. 13 EAST OF MARION TO EAST OF SPRINGVILLE

SCALE: As Noted

The Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, series of 1984, plus current Supplemental Specifications and Special Provisions shall apply to construction work on this project.

CONVENTIONAL SIGNS

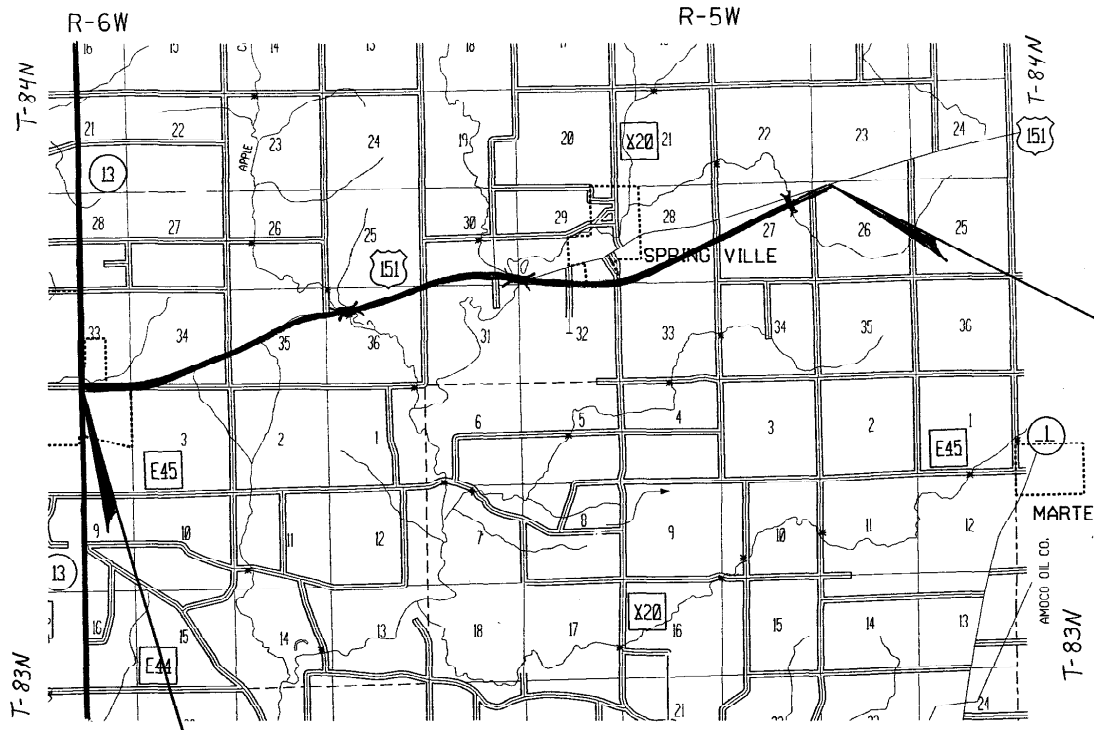
	State Line
	County Line
	Township Line
	Section Line
	Corporation Line
	Urban Boundry
	R.O.W. Lines
	Survey Line
	Section Corner
	Proposed Profile Grade
	Railroad
	Field Tile
	Underground Line
	Culverts
	Utility Poles
	Fences
	Trees or Brush
	Stream
	Dike
	County Road Number
	Primary Road Number
	U.S. Road Number
	Interstate Road Number

INDEX OF SHEETS

NO.	DESCRIPTION
A.01	TITLE SHEET
B.01-B.04	ALIGNMENT DETAILS
B.05-B.14	TYPICAL CROSS SECTIONS
C.01-C.11	ESTIMATE OF QUANTITIES AND GENERAL INFORMATION & STAGING NOTES
D.01-D.15	MAINLINE PLAN AND PROFILE SHEETS
E.01-E.11	SIDEROAD PLAN AND PROFILE SHEETS
F.12-F.15	ACCESSWAY AND RELOC. ENTRANCE PLAN AND PROFILE SHEETS
F.01-F.05	TEMP. PAVEMENT CONNECTIONS AND TEMP. CROSS-OVERS
F.06	PAVED DETOUR PLAN AND PROFILE SHEET
G.01-G.02	REFERENCE TIES AND BENCH MARKS
J.01-J.02	STAGING AND TRAFFIC CONTROL SHEETS
L.01-L.21	INTERSECTION GEOMETRY, JOINTING, STAKING AND EDGE PROFILES
P.01	LIGHTING LAYOUT SHEET
Q.01-Q.26	SOILS SHEETS
R.01-R.02	BORROW SHEETS
S.01	SCHEMATIC HAULING DIAGRAM
T.01-T.04	TABULATION OF EARTHWORK QUANTITIES
U.01-U.08	500 SERIES, MODIFIED STANDARDS AND SPECIAL DETAIL SHEETS
V.01-V.02	BRIDGE SITUATION AND GUARDRAIL LAYOUT PLAN
W.01-W.89	MAINLINE CROSS SECTIONS
W90-W.93	BORROW 'A' CROSS SECTIONS
W.94-W.97	BORROW 'B' CROSS SECTIONS
Z.01-Z.10	SIDEROAD CROSS SECTIONS
C.09	EXTRA WORK ORDER

MILEAGE SUMMARY

DIV.	LOCATION	LN. FT.	MILES	STATE CONTROL SECTION NO.
	STA. 5114+49.34 TO STA. 5551+49.94		5.682	
	OMIT BRIDGE AT STA. 5267+37.91 (CRAB APPLE CREEK)	103.10	2.500	
	OMIT BRIDGE AT STA. 5360+24.58 (BIG CREEK)	216.47		
	NET LENGTH OF ROADWAY	319.57	0.061	
	NET LENGTH OF BRIDGES			
	TOTAL LENGTH OF PROJECT	43,700.60	8.277	57-0500



END OF PROJECT
STA. 5551+49.94
M.P. 46.11

BEGIN OF PROJECT
STA. 5114+49.34
M.P. 37.83

THIS AS BUILT PLAN INCLUDES

YEAR	WORK	CONTRACTOR	PROJ. INSPECTOR
1993	GRADE AND	FRED CARLSON	JACK CAMPBELL
	PCC PAVEMENT	CO., INC.	

DESIGN DATA RURAL

YEAR	AADT	V.P.D.
1992	5,600	V.P.D.
2012	7,250	V.P.D.
2012	750	V.P.H.
	TRUCKS	10 %

THIS PROJECT LET AS
F-RP-151-3(79)--36-57

Donald L. Eads
ROAD DESIGN ENGINEER DATE 11/5/91



I hereby certify that this project was constructed in accordance with the contract documents, the "as-built" plans were prepared under my supervision, and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Project Engineer _____ Date _____

My license renewal date is December 31, _____

Reviewed and forwarded to Ames:

Transportation Center Engineer _____ Date _____

After microfilming, return original copy, _____ 50% reduced prints and _____ full-size print(s) to: _____ Iowa Transportation Center.

1993 Year *FRED CARLSON Co., INC.* Contractor *JACK CAMPBELL* Project Inspector

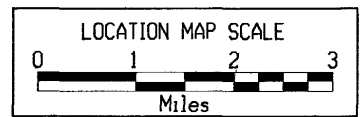
REVISIONS

Iowa Department of Transportation
Highway Division
AUTHORIZED FOR LETTING
George F. Sisson 11-18-91
DEPUTY CHIEF ENGINEER DATE

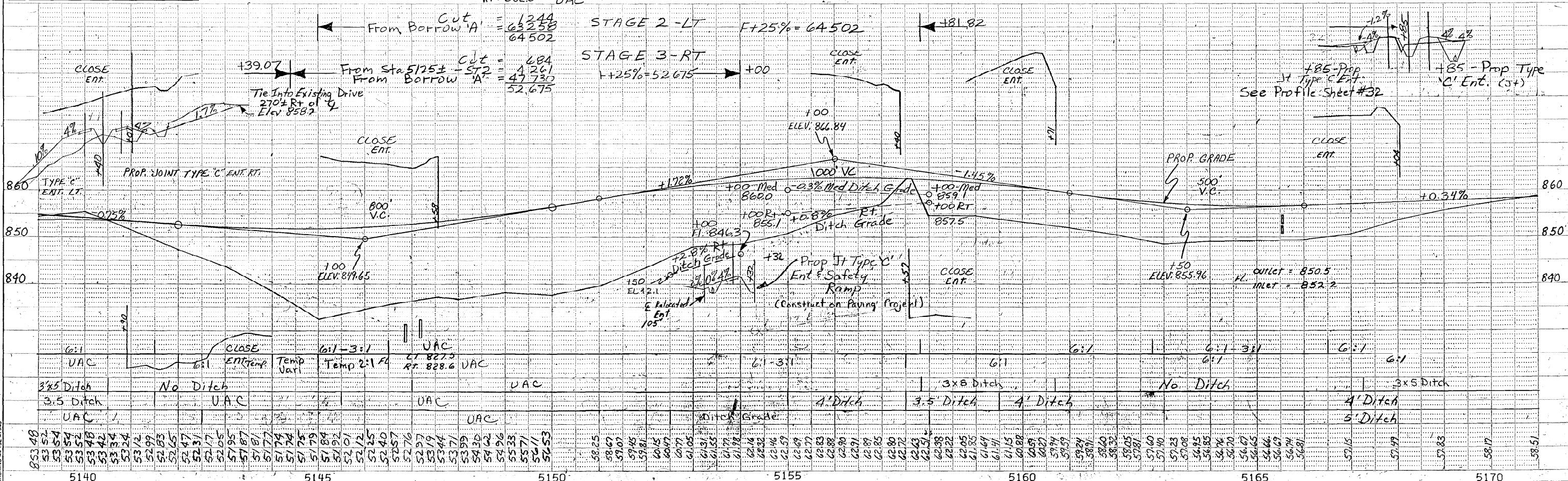
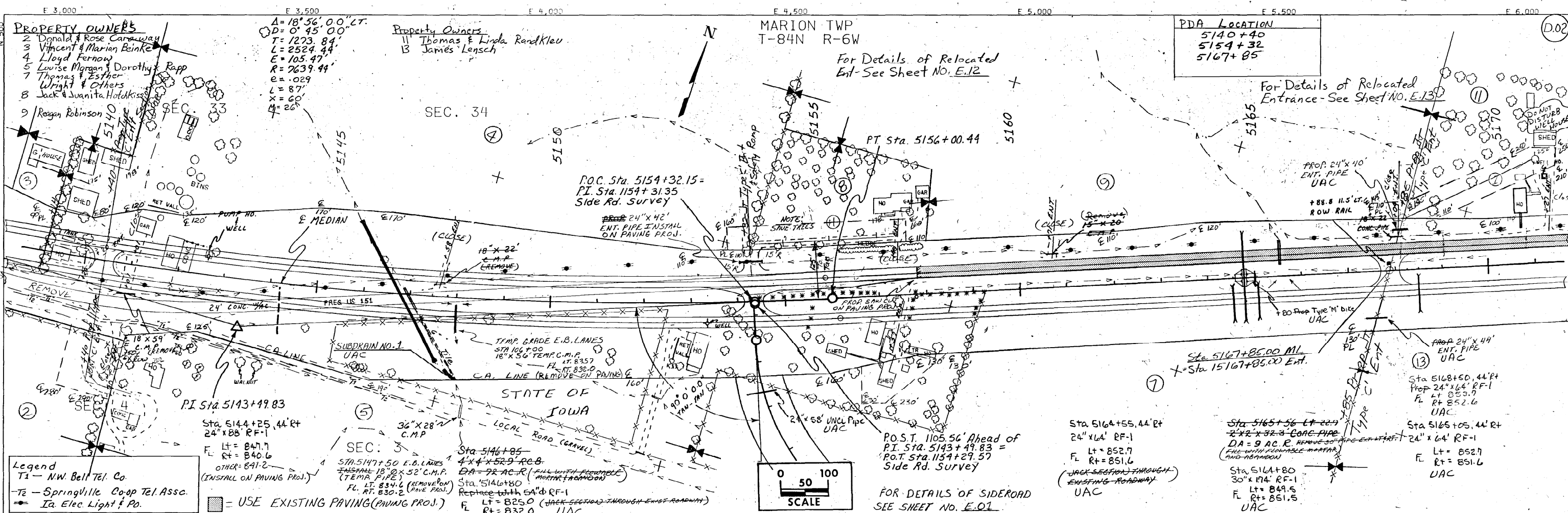
I hereby certify that this plan was prepared under my supervision and that engineering decisions with regard to the design were made by me or by other duly Registered Professional Engineers under the laws of the State of Iowa.

Name *Norman E. Pustach*
Iowa Registration No. 4123 Date 11/4/91

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED
FOR THE DIVISION ADMINISTRATOR DATE



920135 134
008670 RRB



E 6,000 N 1,500 E 6,500 E 7,000 E 7,500 N 2,000 E 8,000 E 8,500

- Property Owners**
- 11 Thomas & Linda Rand/Mev
 - 12 Lumir & Libbie Dostal & Others
 - 13 James Lensch
 - 14 Mark & Judith Patterson
 - 15 Duncan & Jimmy Lou Ross
 - 16 Bertha Blinks

PDA LOCATIONS
 5181+50
 5195+89

MARION TWP
 T-84N R-6W

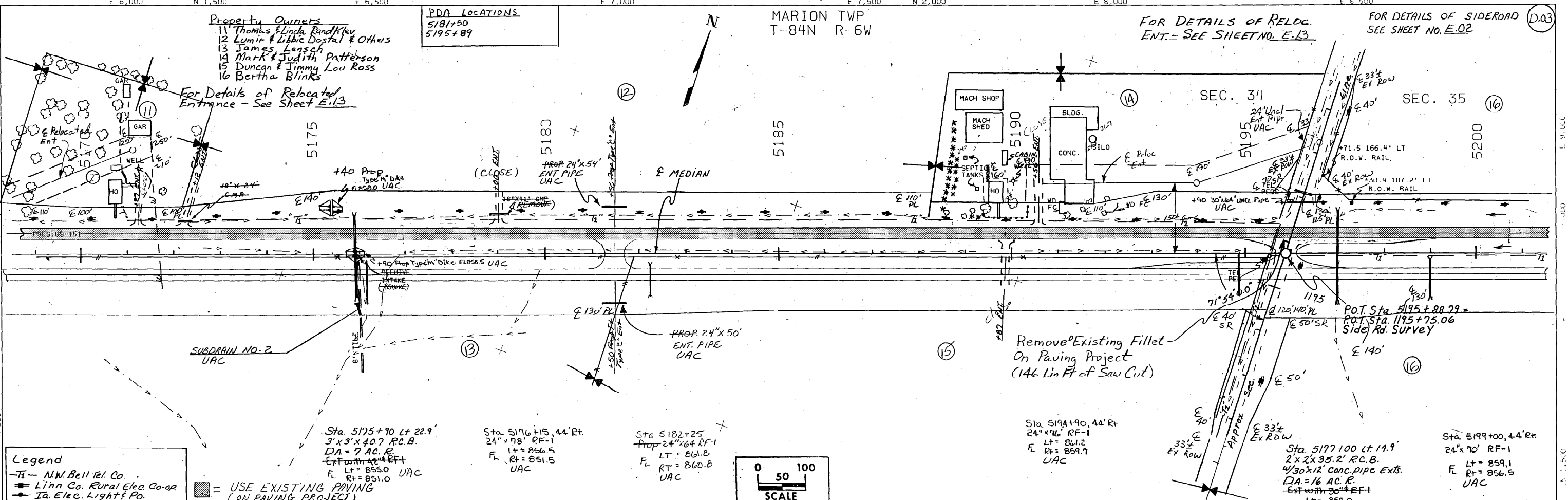
FOR DETAILS OF RELOC. ENT. - SEE SHEET NO. E.13

FOR DETAILS OF SIDEROAD ENT. - SEE SHEET NO. E.02

D.03

DATE	
BY	
SURVEYED	
NOTED	
PLANNED	
CONTRACT	
NO.	

PLAN	
NO.	
DATE	
BY	
SURVEYED	
NOTED	
PLANNED	
CONTRACT	
NO.	



Legend

- Ti- N.W. Bell Tel. Co.
- Linn Co. Rural Elec. Co-op
- Ia. Elec. Light & Po.
- USE EXISTING PAVING (ON PAVING PROJECT)

Sta 5175+90 Lt 22.9'
 3'x3'x40.7' R.C.B.
 DA = 7 AC. R.
 Ext with 42" R.F.T.
 Lt = 855.0 UAC
 Rt = 851.0

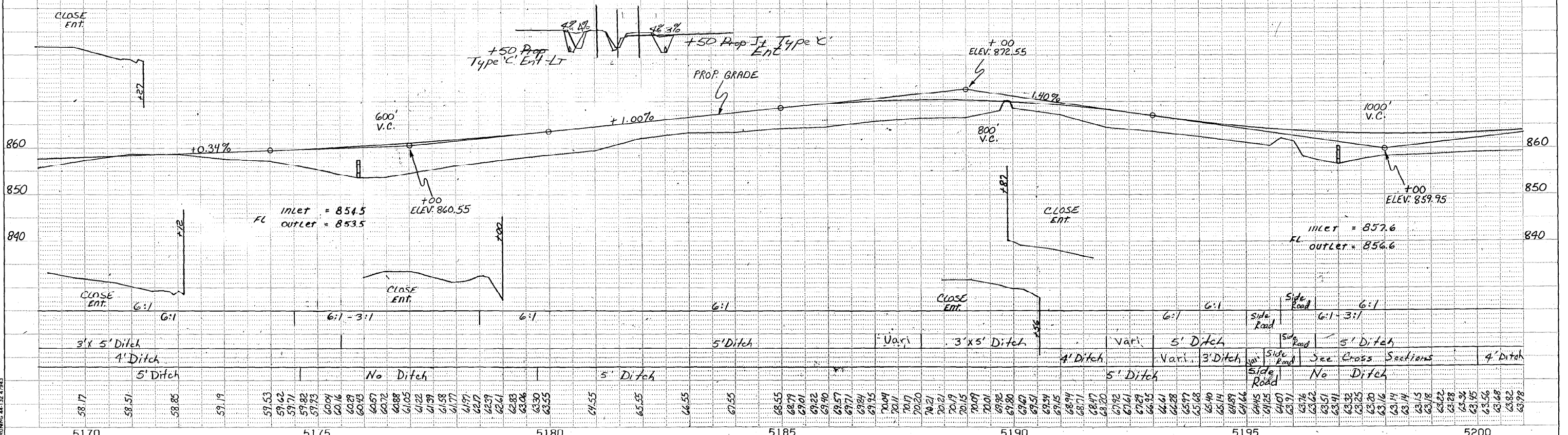
Sta 5176+15, 44' Rt.
 24"x78" R.F.-1
 Lt = 856.5
 Rt = 851.5 UAC

Sta 5182+25
 Prop 24"x64" R.F.-1
 Lt = 861.8
 Rt = 860.8 UAC

Sta 5194+90, 44' Rt.
 24"x76" R.F.-1
 Lt = 861.2
 Rt = 859.7 UAC

Sta 5197+00 Lt 14.9'
 2'x2'x35.2' R.C.B.
 4/30"x12" Conc. pipe Ext.
 DA = 16 AC. R.
 Ext with 30" R.F.T.
 Lt = 858.0
 Rt = 854.5 UAC

Sta 5199+00, 44' Rt.
 24"x70" R.F.-1
 Lt = 859.1
 Rt = 856.5 UAC



DATE	
BY	
SURVEYED	
NOTED	
PLANNED	
CONTRACT	
NO.	

E 9,000 N 2,500 E 9,500 E 10,000 E 10,500 N 3,500 E 11,000

Property Owners
 16 Bertha Blinks
 17 John Roberts
 18 Lewis & Karlene Helbig
 18 Kenneth & Mary Ledzche

$\Delta = 15^\circ 19'$ LT
 $OS = 2^\circ 15' 00''$
 $LS = 150'$
 $TS = 331.88'$
 $ES = 17.68'$
 $P = 0.49'$
 $K = 75.00'$
 $XC = 149.98'$
 $YC = 1.96'$
 $LT = 100.01'$
 $ST = 50.01'$
 $LC = 149.99'$

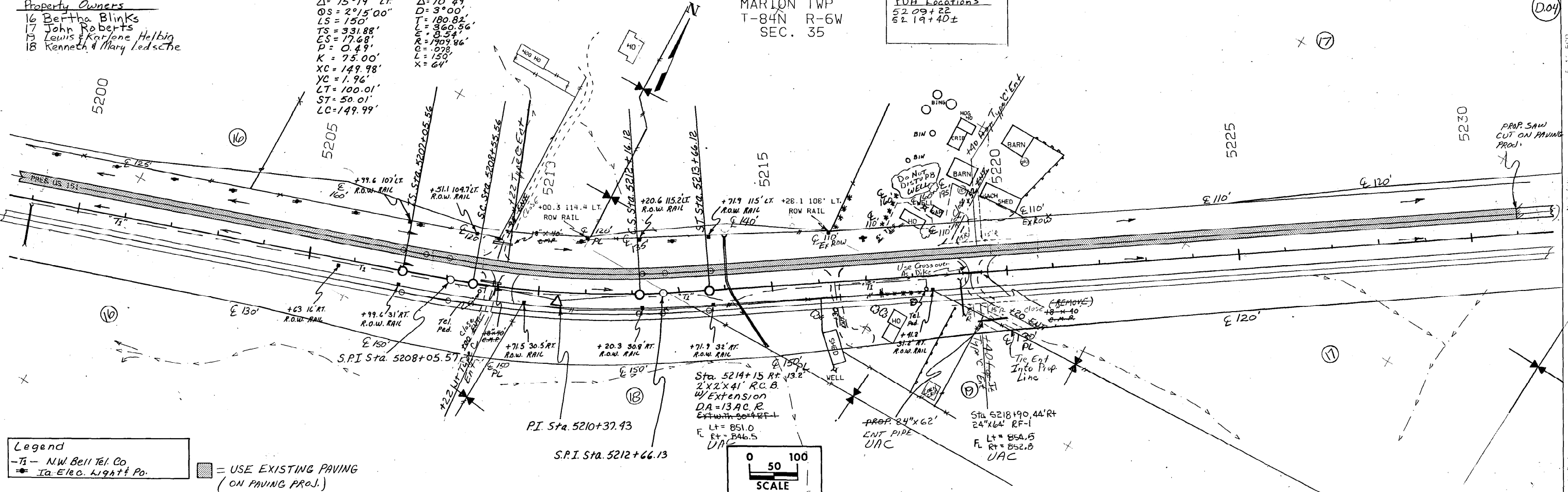
$\Delta = 10^\circ 49'$
 $D = 3^\circ 00'$
 $T = 180.82'$
 $LC = 360.56'$
 $XC = 9.54'$
 $YC = 1707.96'$
 $L = 150'$
 $X = 64'$

MARION TWP
 T-84N R-6W
 SEC. 35

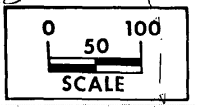
PDA Locations
 52.09+22
 52.19+40±

D.04

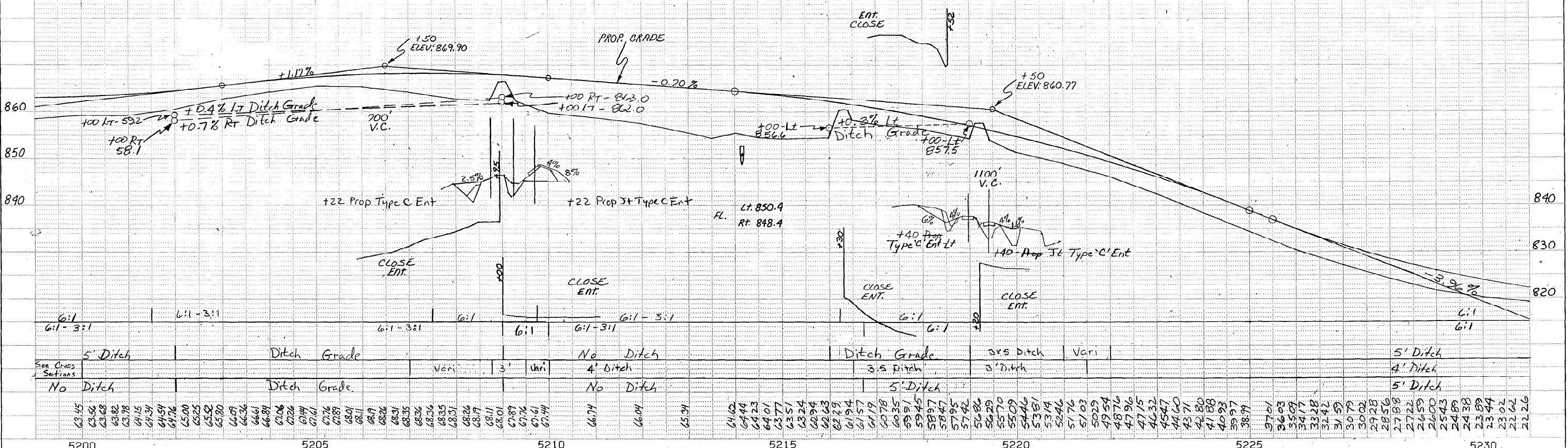
DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NO. E BOOK	
NO. F BOOK	
NO. G BOOK	
NO. H BOOK	
NO. I BOOK	
NO. J BOOK	
NO. K BOOK	
NO. L BOOK	
NO. M BOOK	
NO. N BOOK	
NO. O BOOK	
NO. P BOOK	
NO. Q BOOK	
NO. R BOOK	
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NO. T BOOK	
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NO. V BOOK	
NO. W BOOK	
NO. X BOOK	
NO. Y BOOK	
NO. Z BOOK	



Legend
 -T- NW Bell Tel. Co.
 -E- Ia. Elec. Light & Po.
 [Symbol] = USE EXISTING PAVING (ON PAVING PROJ.)



DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
NO. E BOOK	
NO. F BOOK	
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NO. Y BOOK	
NO. Z BOOK	

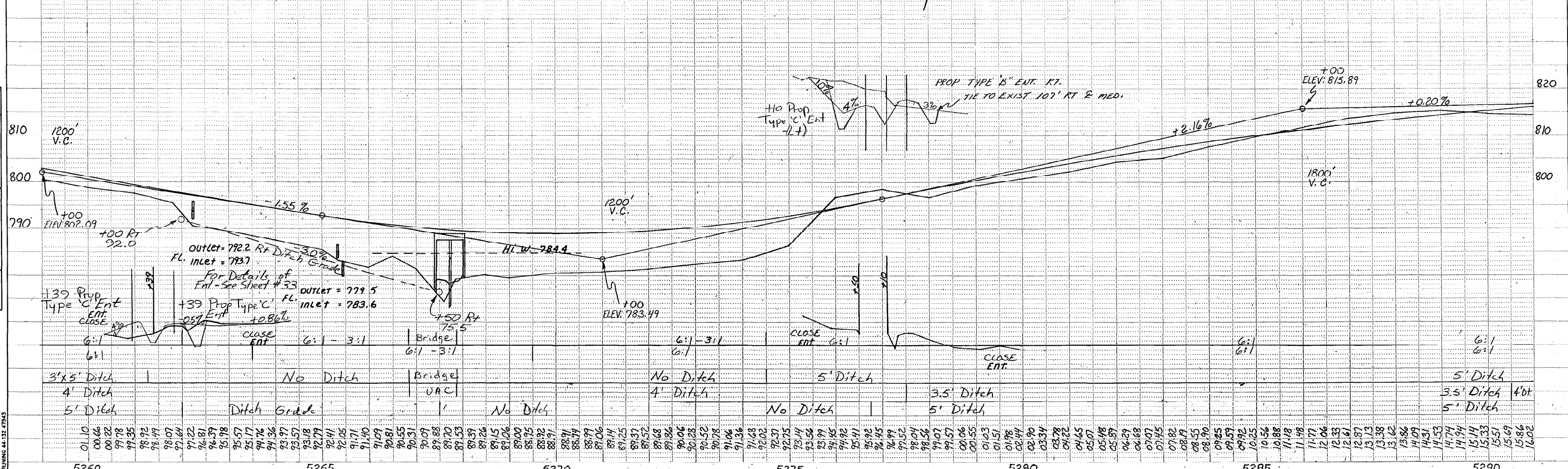
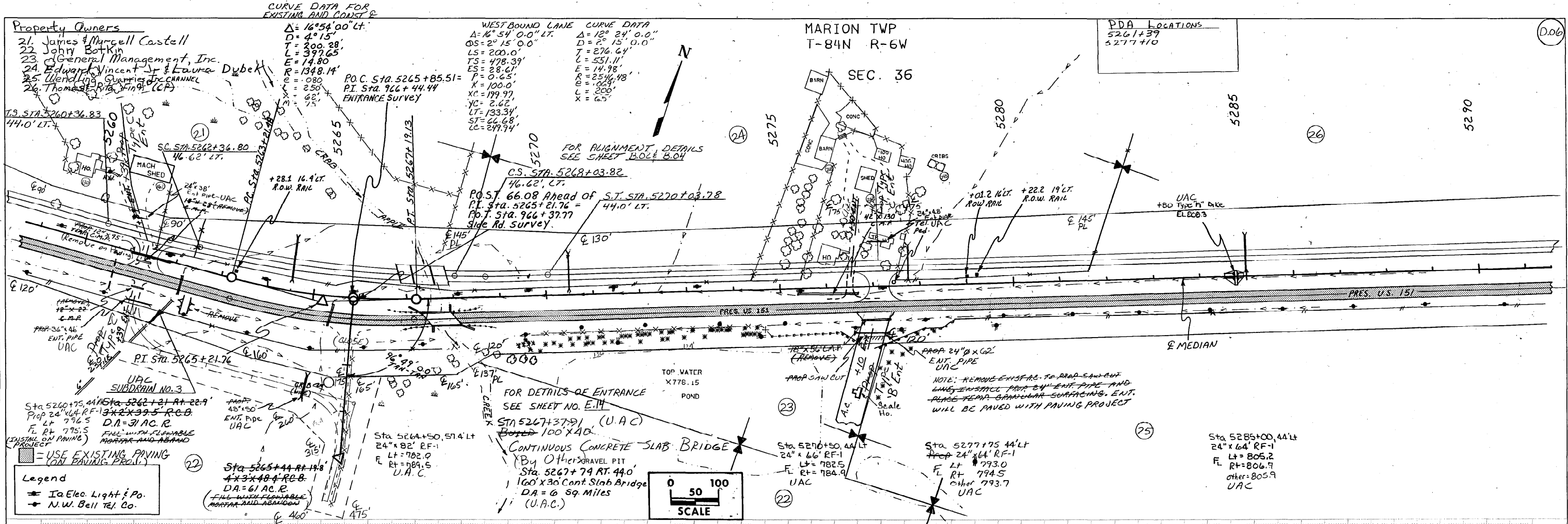


5' Ditch	Ditch Grade	No Ditch	Ditch Grade	3x5 Ditch	Vari	5' Ditch
No Ditch	Ditch Grade	No Ditch	No Ditch	3.5 Ditch	0' Ditch	4' Ditch
No Ditch	Ditch Grade	No Ditch	No Ditch	5' Ditch		5' Ditch
63.45						
63.56						
63.68						
63.82						
63.98						
64.15						
64.34						
64.54						
64.76						
65.00						
65.25						
65.52						
65.80						
66.07						
66.36						
66.61						
66.87						
67.06						
67.26						
67.44						
67.61						
67.76						
67.87						
67.96						
67.99						
68.11						
68.01						
68.17						
68.26						
68.19						
68.11						
68.01						
67.87						
67.76						
67.61						
67.44						
66.74						
66.01						
65.34						
64.62						
64.44						
64.23						
64.01						
63.77						
63.51						
63.24						
62.94						
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60.78						
60.35						
59.91						
59.45						
58.97						
58.47						
57.95						
57.42						
56.86						
56.29						
55.70						
55.09						
54.46						
53.81						
53.14						
52.46						
51.76						
51.03						
50.29						
49.54						
48.76						
47.96						
47.15						
46.32						
45.47						
44.60						
43.71						
42.80						
41.88						
40.93						
39.97						
38.99						
37.01						
36.03						
35.09						
34.17						
33.28						
32.42						
31.59						
30.79						
29.92						
29.28						
28.56						
27.88						
27.22						
26.59						
26.00						
25.43						
24.89						
24.38						
23.89						
23.44						
23.02						
22.62						
22.26						

COUNTY LINN

PROJECT NUMBER F-151-3(7)-20-57

STATE IOWA
 FED. ROAD DIST. NO. 1
 FISCAL YEAR
 SHEET NO. D.04
 TOTAL SHEETS 30



STATION	5260	5265	5270	5275	5280	5285	5290
DATE							
BY							
PROJECT NUMBER	F-151-3(79)--20-57						
STATE	IOWA						
FED. ROAD DIST. NO.							
FISCAL YEAR							
SHEET NO.	D06						
TOTAL SHEETS	03						

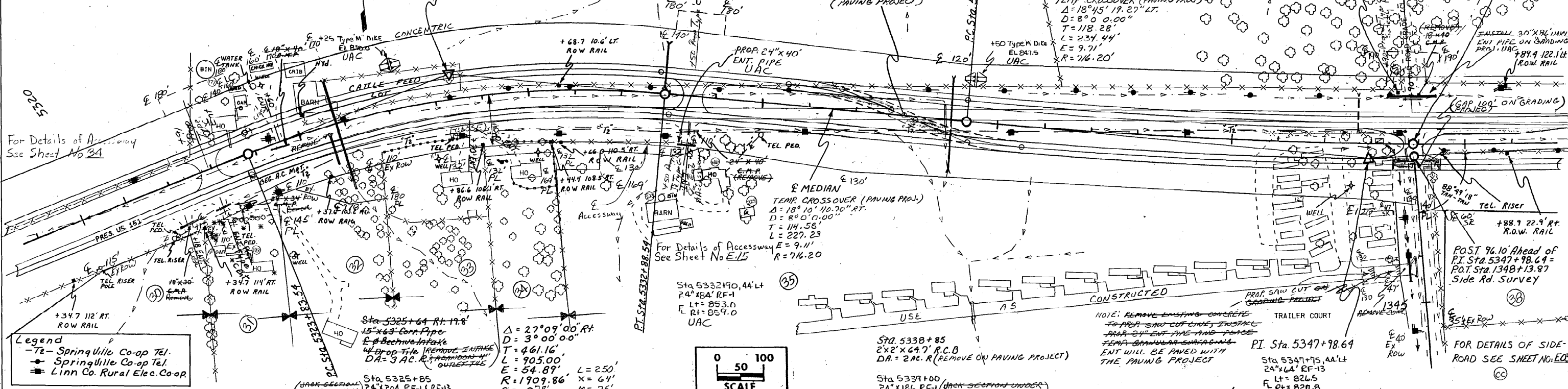
- Property Owners**
- 29. Arnold, Bethel & Scarbough
 - 30. Raymond & Virginia Rystrom
 - 31. Norbert & Betty Olson
 - 32. Randall & Nancy Kuehl
 - 33. Kenneth & Laura Oister
 - 34. Dale & Theresa Marso
 - 35. Donald & Joan Neal
 - 37. Wendling Quarries Inc
 - 38. Dean & Yvonne LaRose

PDA
Sta 5322±55 PL
5333±50L
5348±90

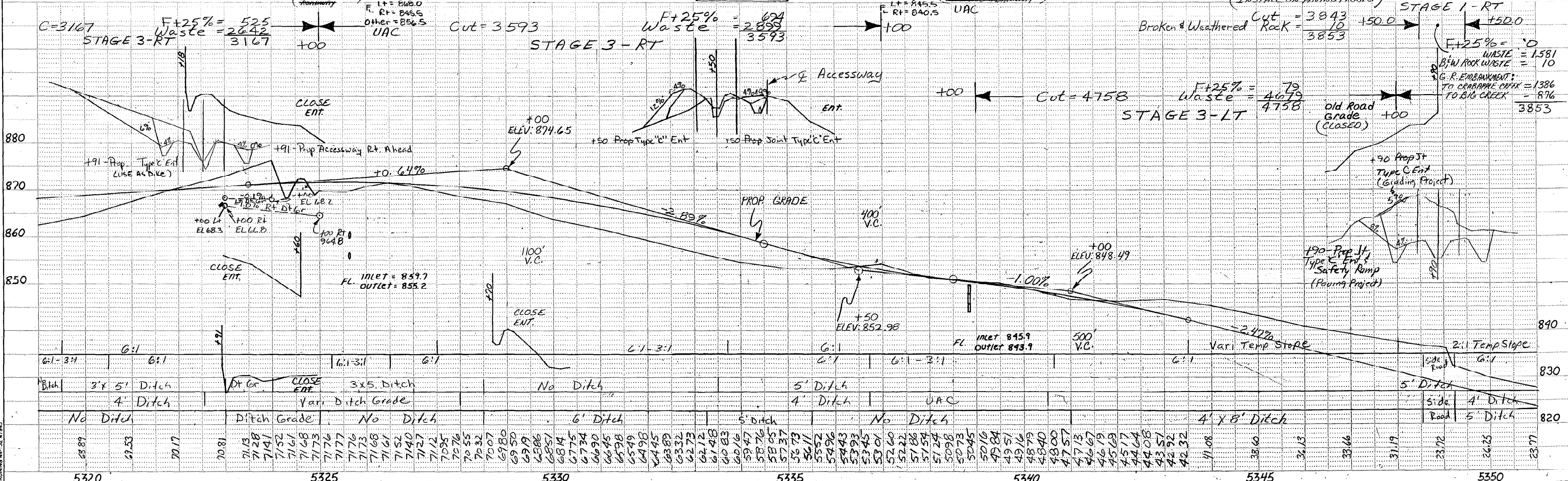
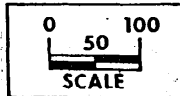
BROWN TWP
T-84N R-5W

Δ = 8° 37' 00" LT
D = 0° 30' 00"
T = 863.29'
L = 1723.33'
E = 32.47'
R = 11,459.16'
M = 0.020
X = 60'
Y = 18'

P.O.C. Sta. 5348+90.38 =
P.O.T. Sta. 1348+39.62
Side Rd. Survey



- Legend**
- Tz- Springville Co-op Tel.
 - S- Springville Co-op Tel.
 - L- Linn Co. Rural Elec. Coop.



DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTE BOOK	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CH'NG	

