

INDIANA DEPARTMENT OF HIGHWAYS

F-

132-4

LOWEST RELEVANCE
TO BE BUILT WITH
ROAD PLATES

BEGIN PROJECT F-132-4, 11
STA. 21+00 LINE "D"

BEGIN CONSTRUCTION
STA. 51+43.0
LINE "DL REV."

CENTER

END PROJECT F-132-4, 11
STA. 24+40 LINE "L"

END CONSTRUCTION
STA. 12+99.0 LINE "L"

BRIDGE STRUCTURE

BRIDGE RISE
DEVELOPMENT
TO BE BUILT
UNDER SEPARATE
CONTRACT

GRANT

CO.

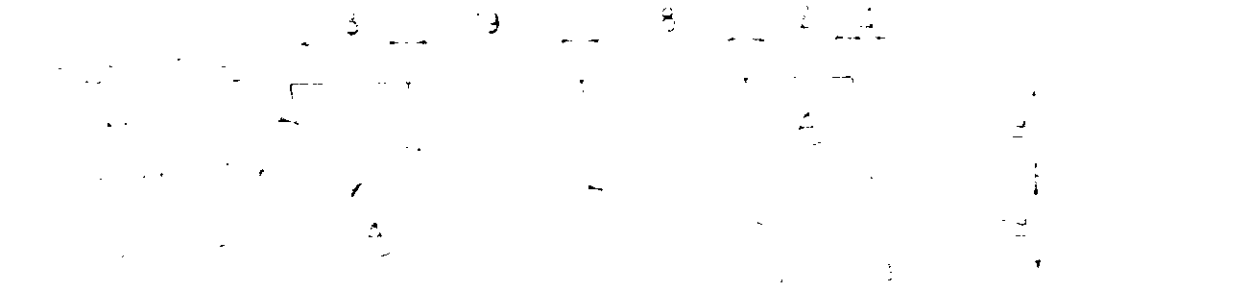
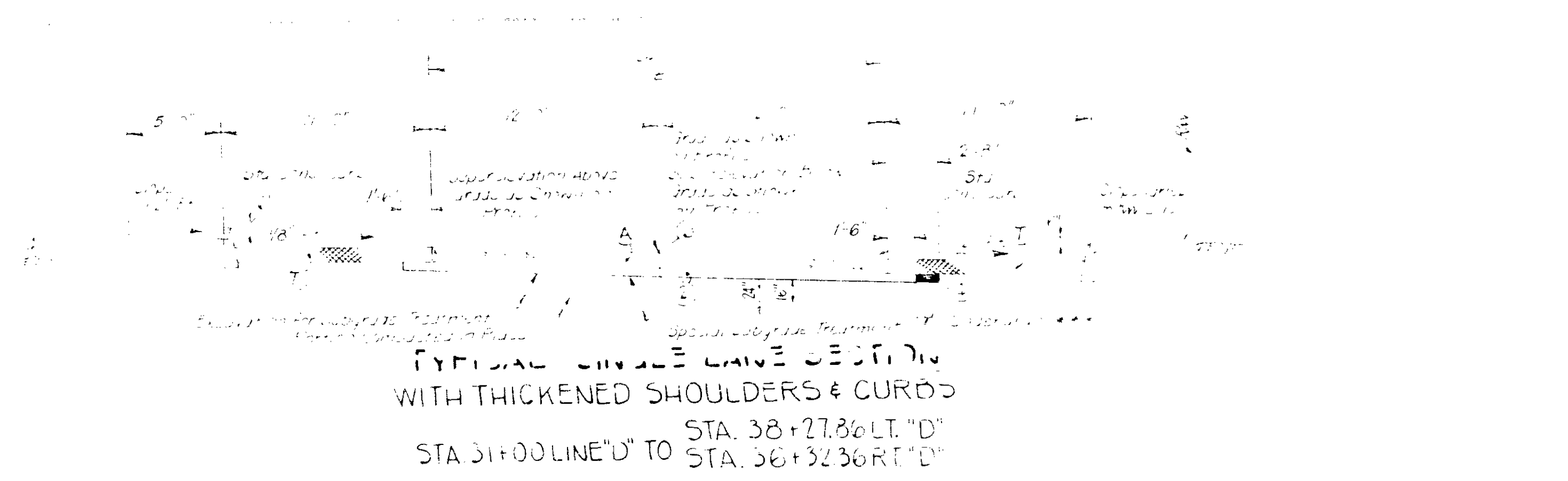
PLANS PREPARED BY
AMERICAN CONSULTING ENGINEERS, INC.

DESIGNED BY

NOT TO SCALE

NO.	DESCRIPTION	QUANTITY	UNIT	DATE	REVISION
1	INDIANA GAS COMPANY 1430 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
2	INDIANA BELL TELEPHONE CO. INC. 1100 N. MERIDIAN ST. INDIANAPOLIS, INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
3	INDIANA UNION BAN. ELECTRIC CO. THE SUMMIT SQUARE BRANCH 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
4	WAPLETON UTILITIES 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
5	INDIANAPOLIS POLICE DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
6	INDIANAPOLIS FIRE DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
7	INDIANAPOLIS WATER DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
8	INDIANAPOLIS SANITATION DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
9	INDIANAPOLIS STREET DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
10	INDIANAPOLIS PUBLIC WORKS DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
11	INDIANAPOLIS HEALTH DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
12	INDIANAPOLIS PLANNING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
13	INDIANAPOLIS ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
14	INDIANAPOLIS ARCHITECTURE DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
15	INDIANAPOLIS LAND SURVEYING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
16	INDIANAPOLIS CIVIL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
17	INDIANAPOLIS ELECTRICAL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
18	INDIANAPOLIS MECHANICAL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
19	INDIANAPOLIS CHEMICAL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
20	INDIANAPOLIS METALLURGICAL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
21	INDIANAPOLIS INDUSTRIAL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
22	INDIANAPOLIS AERONAUTICAL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
23	INDIANAPOLIS AGRICULTURAL ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
24	INDIANAPOLIS MARINE ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
25	INDIANAPOLIS MINING ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
26	INDIANAPOLIS PETROLEUM ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
27	INDIANAPOLIS RAILROAD ENGINEERING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
28	INDIANAPOLIS SURVEYING DEPARTMENT 1000 W. WASHINGTON INDIANA 46202	**	10	Plain Conc. Pavement Shalt be used	3 6
29	INDIANAPOLIS THERMOPLASTIC STOP BAR & X-WALK 4 6 83	**	10	Plain Conc. Pavement Shalt be used	3 6
30	TITLE SHEET	**	10	Plain Conc. Pavement Shalt be used	3 6
31	PARCEL LISTING	**	10	Plain Conc. Pavement Shalt be used	3 6
32	INDEX	**	10	Plain Conc. Pavement Shalt be used	3 6
33	TYPICAL CROSS SECTIONS	**	10	Plain Conc. Pavement Shalt be used	3 6
34	PLAN NO 1	**	10	Plain Conc. Pavement Shalt be used	3 6
35	PLAN & PROFILE	**	10	Plain Conc. Pavement Shalt be used	3 6
36	DETAILS	**	10	Plain Conc. Pavement Shalt be used	3 6
37	BRIDGE SHEET-LEVEL ALIGNMENT	**	10	Plain Conc. Pavement Shalt be used	3 6
38	APPROACH TABLE	**	10	Plain Conc. Pavement Shalt be used	3 6
39	STRUCTURE DATA	**	10	Plain Conc. Pavement Shalt be used	3 6
40	PLAN NO 3	**	10	Plain Conc. Pavement Shalt be used	3 6
41	REPRESENTATIVE VERTICAL ALIGNMENT	**	10	Plain Conc. Pavement Shalt be used	3 6
42	STANDARD SECTION SHEET	**	10	Plain Conc. Pavement Shalt be used	3 6
43	TEMPORARY CONCRETE CURB AND GUTTER	**	10	Plain Conc. Pavement Shalt be used	3 6
44	BRIDGE SHEETS FOR STRUCTURE 14-00-4316	**	10	Plain Conc. Pavement Shalt be used	3 6

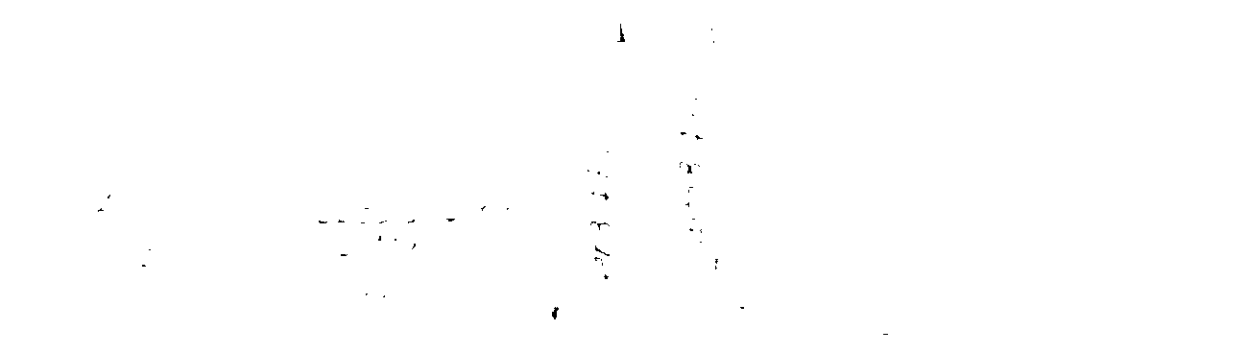
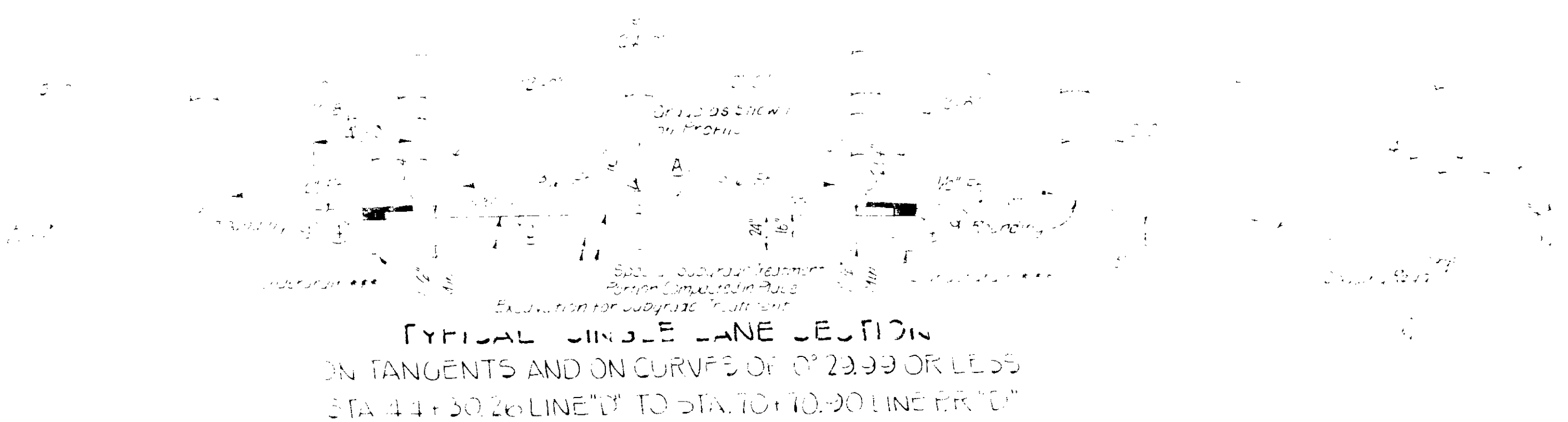
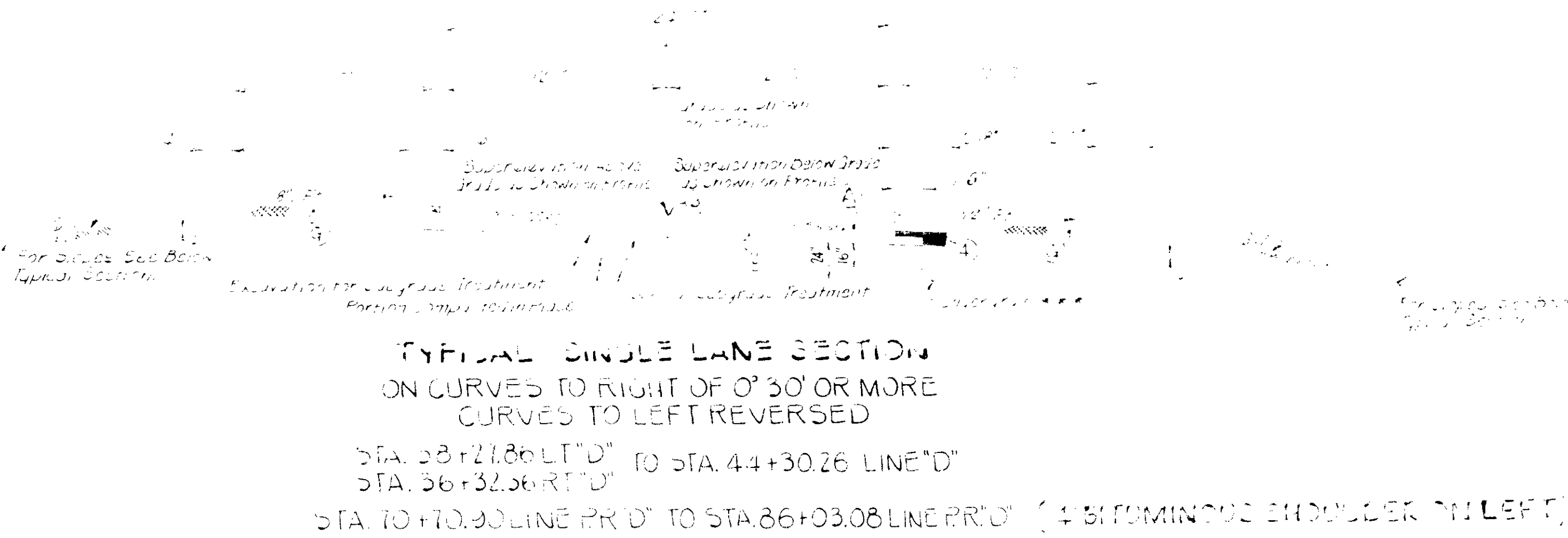
TYPICAL TEMPORARY WIDENING
FOR MAINTENANCE OF TRAFFIC
STATION 30+00 TO STA. 33+00 "D"



SCREWED JOIST RANDOM SPACED JOINTED

LEGEND

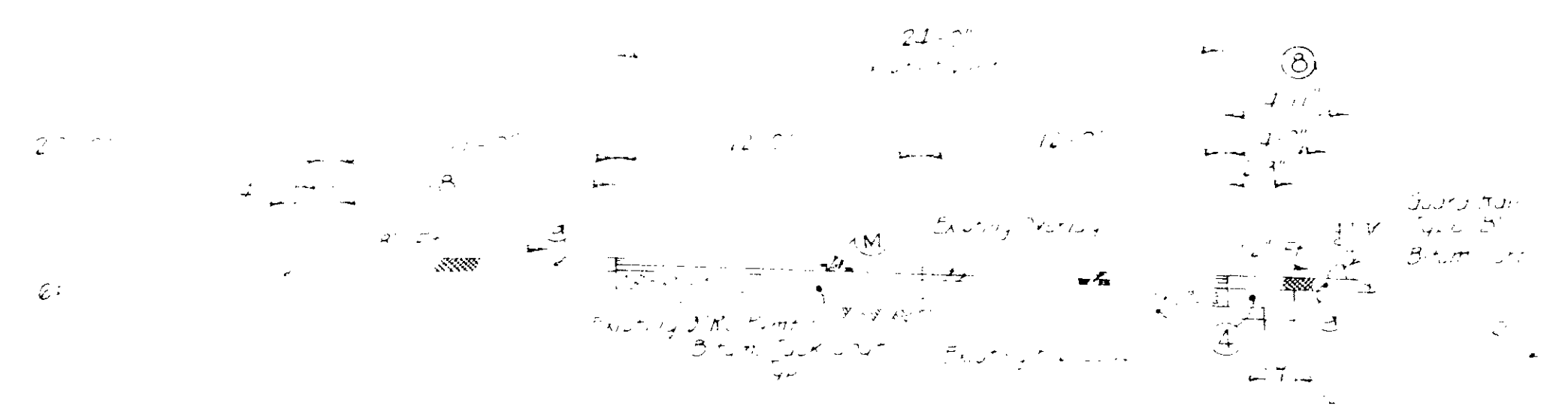
- A 1/2" x 1/2" x 1/2" concrete curb
- B 1/2" x 1/2" x 1/2" concrete curb
- C 1/2" x 1/2" x 1/2" concrete curb
- D 1/2" x 1/2" x 1/2" concrete curb
- E 1/2" x 1/2" x 1/2" concrete curb
- F 1/2" x 1/2" x 1/2" concrete curb
- G 1/2" x 1/2" x 1/2" concrete curb
- H 1/2" x 1/2" x 1/2" concrete curb
- I 1/2" x 1/2" x 1/2" concrete curb
- J 1/2" x 1/2" x 1/2" concrete curb
- K 1/2" x 1/2" x 1/2" concrete curb
- L 1/2" x 1/2" x 1/2" concrete curb
- M 1/2" x 1/2" x 1/2" concrete curb
- N 1/2" x 1/2" x 1/2" concrete curb
- O 1/2" x 1/2" x 1/2" concrete curb
- P 1/2" x 1/2" x 1/2" concrete curb
- Q 1/2" x 1/2" x 1/2" concrete curb
- R 1/2" x 1/2" x 1/2" concrete curb
- S 1/2" x 1/2" x 1/2" concrete curb
- T 1/2" x 1/2" x 1/2" concrete curb
- U 1/2" x 1/2" x 1/2" concrete curb
- V 1/2" x 1/2" x 1/2" concrete curb
- W 1/2" x 1/2" x 1/2" concrete curb
- X 1/2" x 1/2" x 1/2" concrete curb
- Y 1/2" x 1/2" x 1/2" concrete curb
- Z 1/2" x 1/2" x 1/2" concrete curb



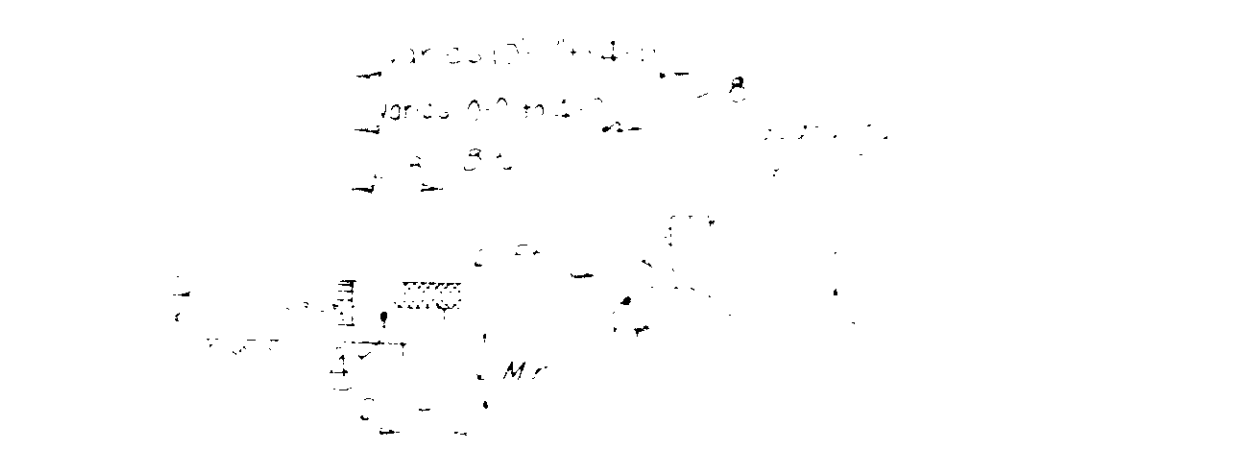
SCREWED JOIST RANDOM SPACED JOINTED

LEGEND

- A 1/2" x 1/2" x 1/2" concrete curb
- B 1/2" x 1/2" x 1/2" concrete curb
- C 1/2" x 1/2" x 1/2" concrete curb
- D 1/2" x 1/2" x 1/2" concrete curb
- E 1/2" x 1/2" x 1/2" concrete curb
- F 1/2" x 1/2" x 1/2" concrete curb
- G 1/2" x 1/2" x 1/2" concrete curb
- H 1/2" x 1/2" x 1/2" concrete curb
- I 1/2" x 1/2" x 1/2" concrete curb
- J 1/2" x 1/2" x 1/2" concrete curb
- K 1/2" x 1/2" x 1/2" concrete curb
- L 1/2" x 1/2" x 1/2" concrete curb
- M 1/2" x 1/2" x 1/2" concrete curb
- N 1/2" x 1/2" x 1/2" concrete curb
- O 1/2" x 1/2" x 1/2" concrete curb
- P 1/2" x 1/2" x 1/2" concrete curb
- Q 1/2" x 1/2" x 1/2" concrete curb
- R 1/2" x 1/2" x 1/2" concrete curb
- S 1/2" x 1/2" x 1/2" concrete curb
- T 1/2" x 1/2" x 1/2" concrete curb
- U 1/2" x 1/2" x 1/2" concrete curb
- V 1/2" x 1/2" x 1/2" concrete curb
- W 1/2" x 1/2" x 1/2" concrete curb
- X 1/2" x 1/2" x 1/2" concrete curb
- Y 1/2" x 1/2" x 1/2" concrete curb
- Z 1/2" x 1/2" x 1/2" concrete curb



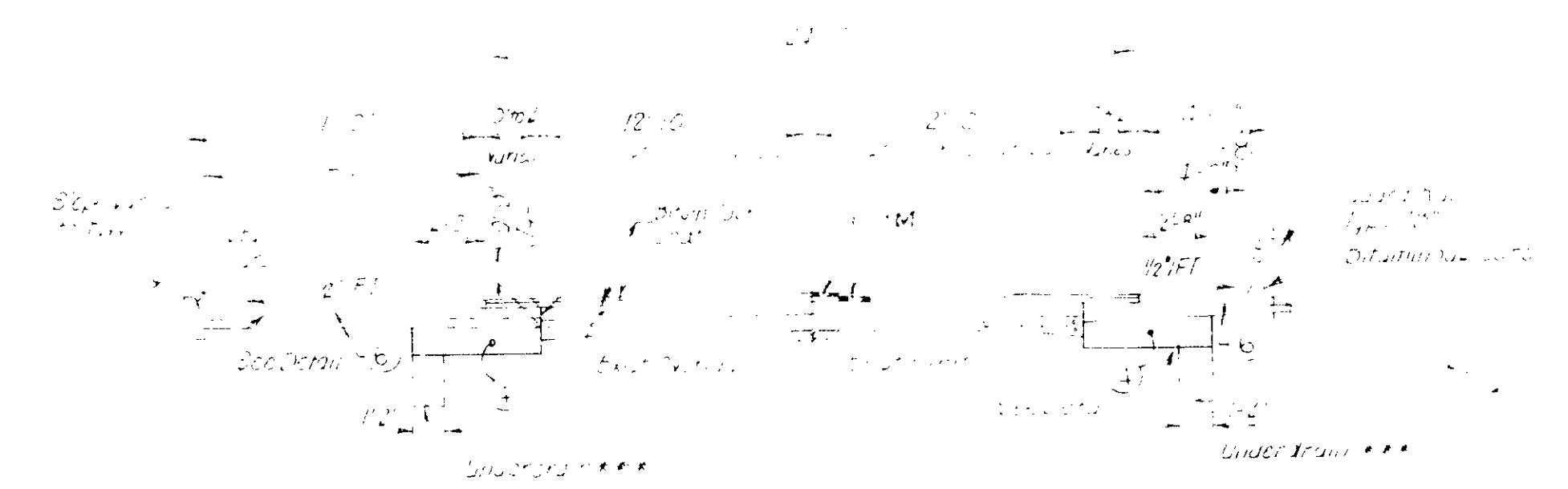
TYPICAL WIDENING AND RESURFACE ON CURVE
 STA. 51+40 LINE "DL" TO STA. 60+67.37 LINE "DL"
 SCALE: 1" = 10'



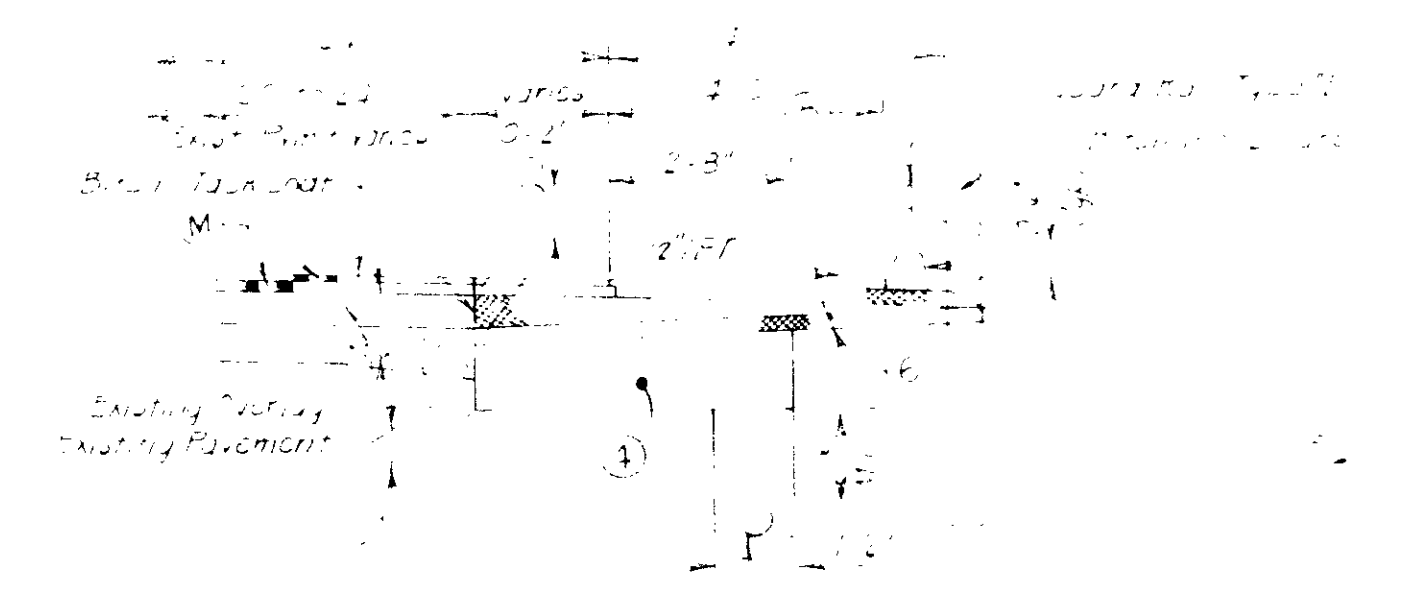
TYPICAL THICKENED SHOULDER SECTION
 WITH GUARD RAIL RT.
 STA. 51+40 LINE "DL" TO STA. 54+63 LINE "DL"
 SCALE: 1" = 10'



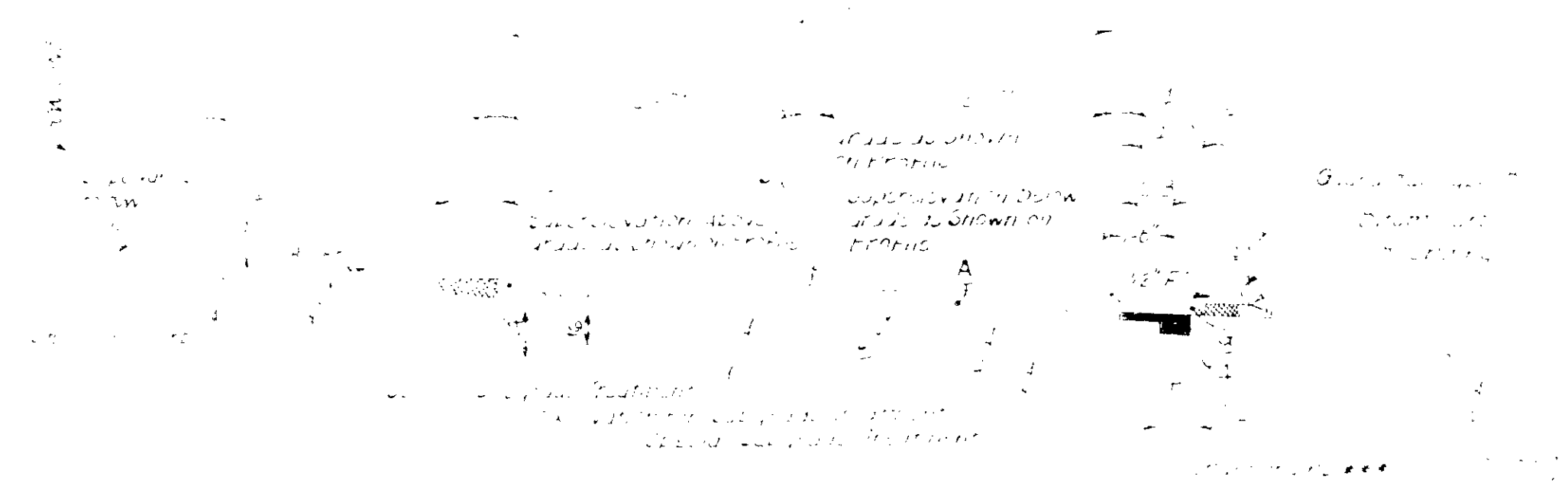
LT. SHOULDER DETAIL
 STA. 60+67.37 LINE "DL" TO STA. 71+30 LINE "DL"
 SCALE: 1" = 10'



TYPICAL WIDENING AND RESURFACE ON TANGENT
 STA. 60+67.37 LINE "DL" TO STA. 71+30 LINE "DL"
 SCALE: 1" = 10'



RT. SHOULDER DETAIL
 STA. 71+30 LINE "DL" TO STA. 82+00 LINE "DL" REV.
 SCALE: 1" = 10'



TYPICAL SINGLE LANE SECTION
 ON CURVE WITH CURB AND GUARD RAIL
 STA. 71+30 LINE "DL" TO STA. 82+00 LINE "DL" REV.
 STA. 80+25 RT LINE "DL" REV.
 SCALE: 1" = 10'

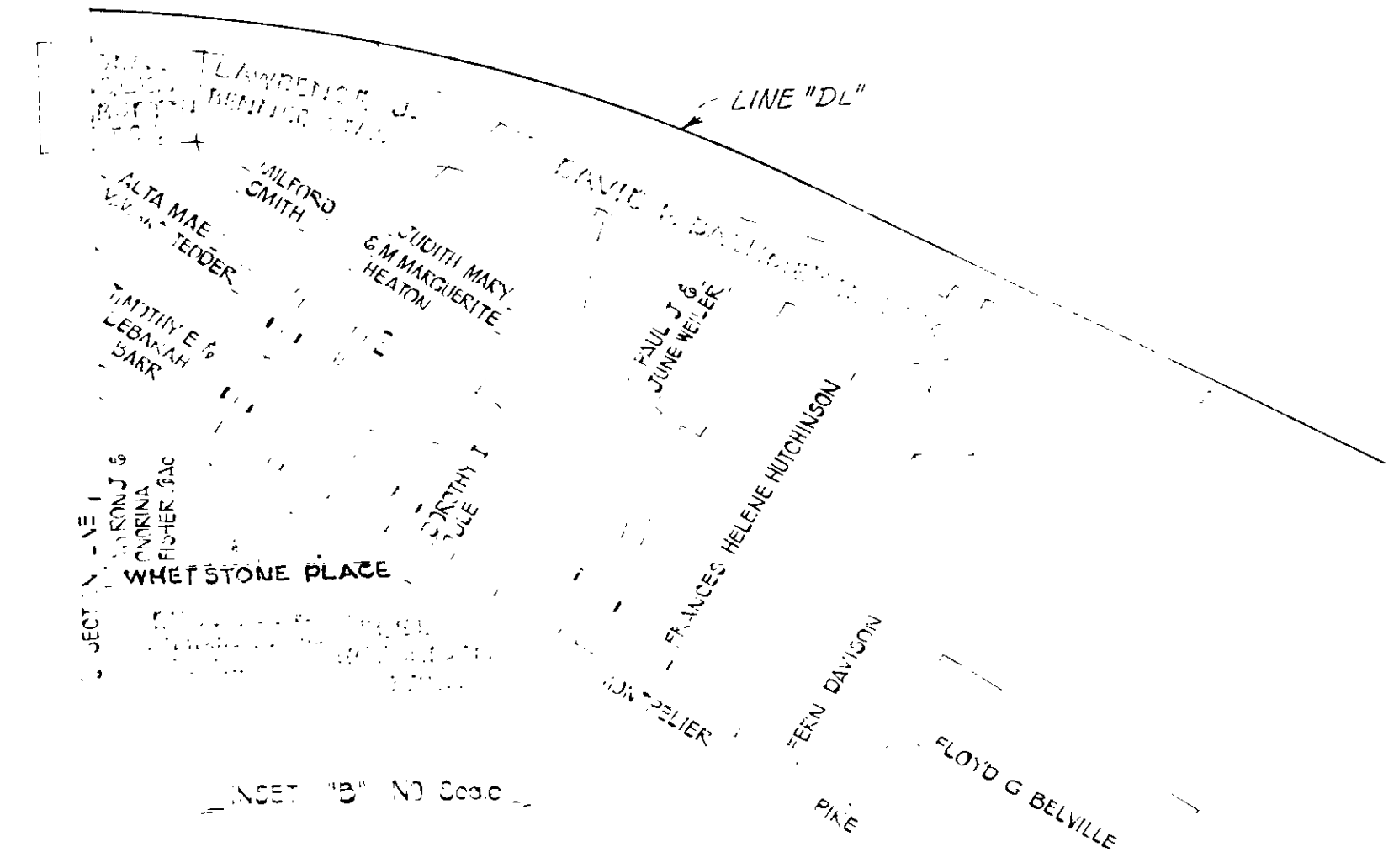
- LEGEND
- A 2" High Concrete Curb
 - B Special Steel Guard Rail
 - C 12" x 12" Concrete Drainage
 - D 12" x 12" Concrete Drainage
 - E 12" x 12" Concrete Drainage
 - M 12" x 12" Concrete Drainage
 - N 12" x 12" Concrete Drainage
 - O 12" x 12" Concrete Drainage
 - P 12" x 12" Concrete Drainage
 - Q 12" x 12" Concrete Drainage
 - R 12" x 12" Concrete Drainage
 - S 12" x 12" Concrete Drainage
 - T 12" x 12" Concrete Drainage
 - U 12" x 12" Concrete Drainage
 - V 12" x 12" Concrete Drainage
 - W 12" x 12" Concrete Drainage
 - X 12" x 12" Concrete Drainage
 - Y 12" x 12" Concrete Drainage
 - Z 12" x 12" Concrete Drainage

SECTION 5 - T24N - R8E

PAUL & MARGARET I ALLEN	1.00 Ac
EDWARD V & MARY E DICKEN	3.88 Ac
LESLIE D & HESTER WOLFF	3.10 Ac
LOUISIANA NORTHERN UNIVERSITY INC	2.07 Ac
JOHN L MAYNARD	1.75 Ac
RAMOND STRONG	0.5 Ac
CHARLES VANMATE	2,147.9 Ac
WYNNE & HELENE WHELAN	0.30 Ac
LEON & DOROTHY QUE PLANK	3.53 Ac
SILVIA V DEUTER	1.55 Ac
WAGNER NEUBURG	2.1 Ac
JOSEPH E JOBE	1.0 Ac
WALTER B CHANDLER	0.5 Ac
DAVID P & EDNA BACHMEYER	1,051.4 Ac
WALTER B CHANDLER	0.5 Ac
STATE OF INDIANA	6.5 Ac
MARION HOTEL ASSOCIATES	1.0 Ac

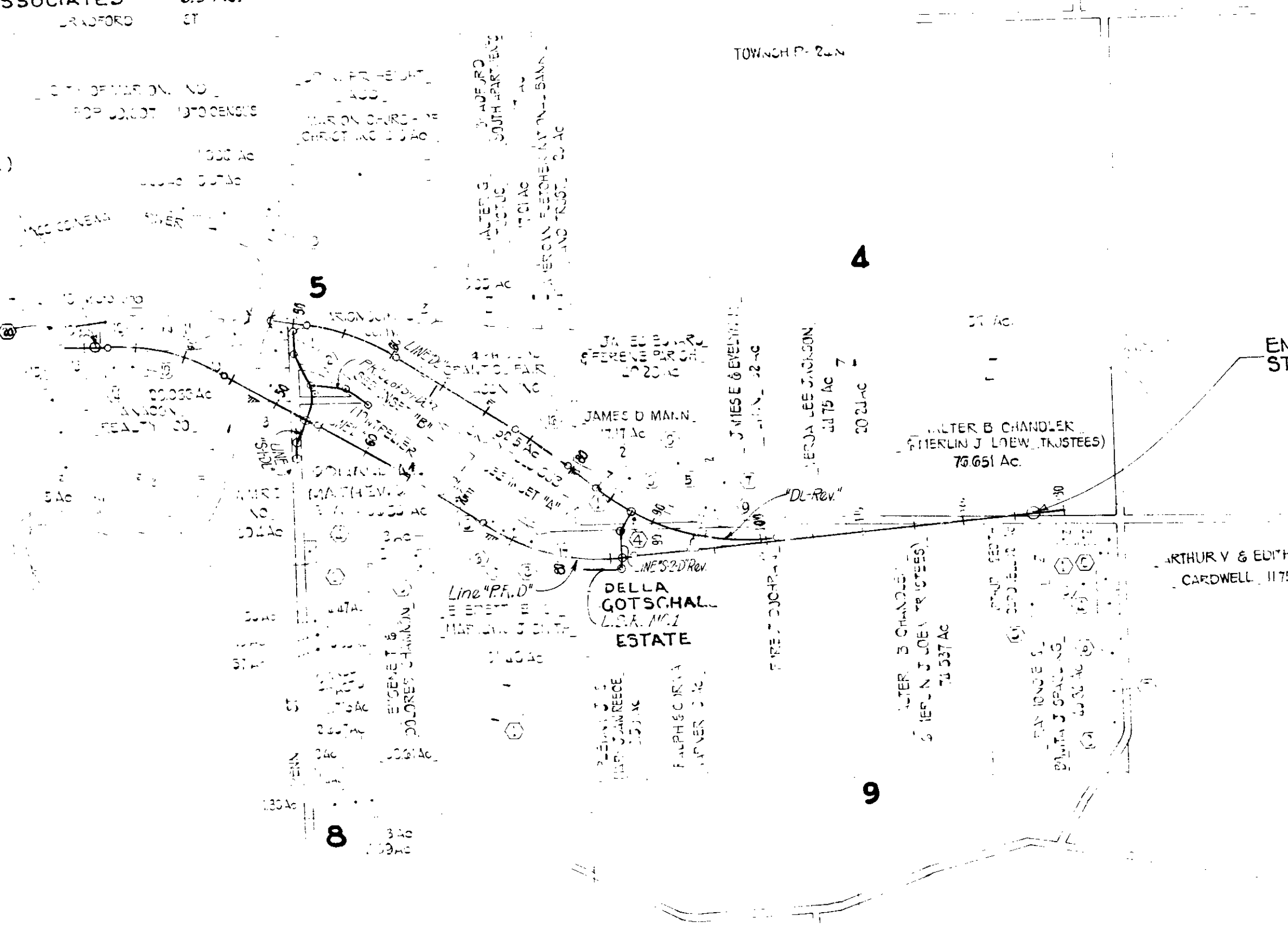
SECTION 4 - T24N - R8E

KRIEGBAUM FARM IMPLEMENT CO	60 Ac
KRIEGBAUM FARM EQUIPMENT CO INC	4.11 Ac
DAVID V & KAREN I HOSS	1.51 Ac
PHILIP W & THELMA CULBER	4.0 Ac
JAMES JR & CAPTOLA J SMITH	1.0 Ac
LAURA CLOJSE	3.7 Ac
LESLIE D & HESTER WOLFF	2.8 Ac
ALDO CO HALL	.50 Ac



BEGIN PROJECT F-132-4(1)
 STA. 31+00 LINE "D"

END PROJECT F-132-4(1)
 STA. 126+04.46 LINE "D"



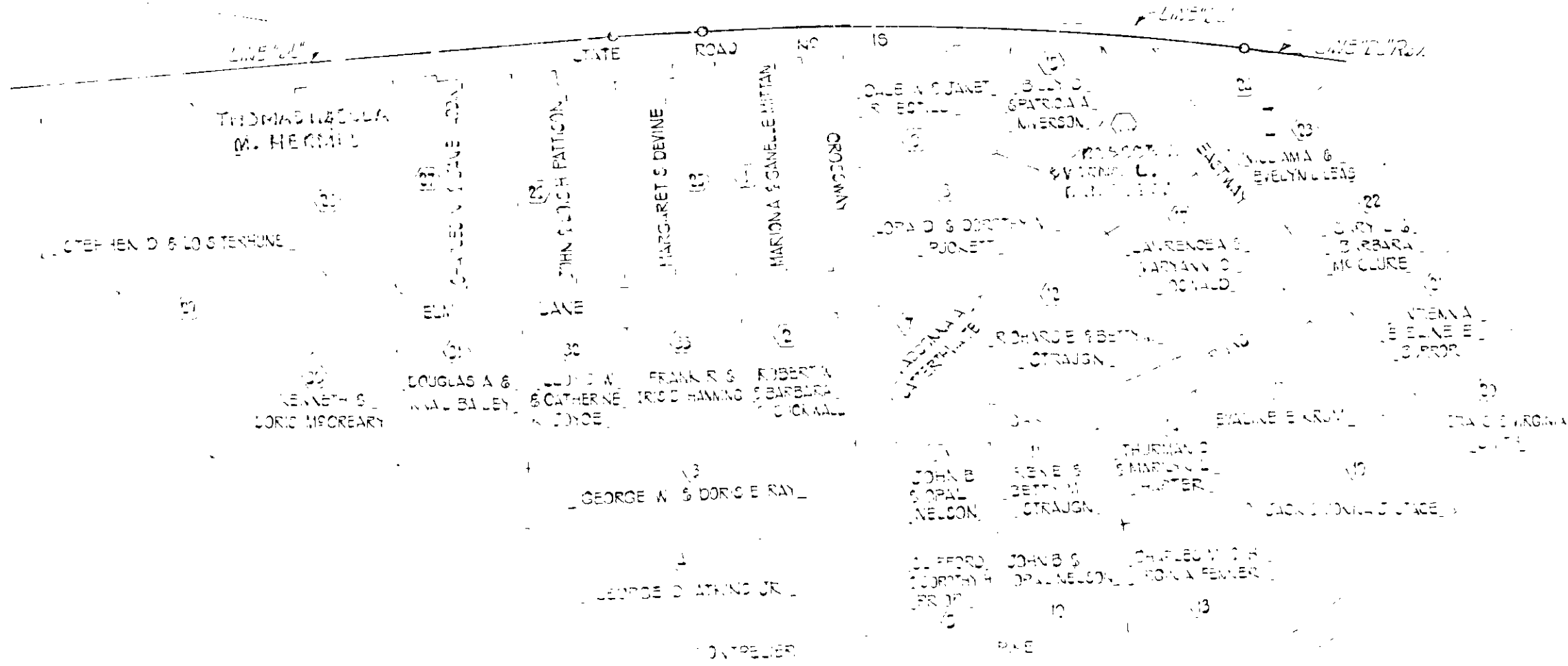
CENTER TOWNSHIP - GRANT CO.
 STATE OF INDIANA

SECTION 8 - T24N - R8E

INDIANA VIGOR ELECTRIC CO	2.00 Ac
PAUL E & RUTH HANKS	5.40 Ac
CHARLES HANRE	10.00 Ac
CHARLES HANRE BETH ABER	3.75 Ac
JAMES HANRE BETH ABER	3.75 Ac

SECTION 9 - T24N - R8E

ROBERT E & CHARON W. GERRMAN	0.533 Ac
RUSSELL & JUNE A. TROPER	2.32 Ac
CHARLES & JANE B. BOH	1.72 Ac
PAUL & MARGARET J. FOREMAN	1.0 Ac
BILLIE JOE & RUTH JEAN HODGE	1.0 Ac
WILLIAM & GEORGINA JONES	3.915 Ac
HERBERT WILLIAM & JUDY BREWER	2.0 Ac
WILLIAM & MARGARET A. MOONER	1.0 Ac
DELAWARE & FRANCES BARNES	1.0 Ac



LANDLOCKED - NO ACCESS PROVIDED

PLAT NO. 1 FOR
 DESIGN DEPT.

SHEET 1 OF 1
 10-7-82

I-MONUMENT TYPE "D" REQ'D AT POT 31+00 "D"

STREET APPROACH REQ'D STA. 31+68.81 W/ 17' = 63.32'

FOR INTERSECTION DETAILS SEE SHEET NO. 24

SP TYPE "B" TO RL APPK STA. 31+20.11, W/ 24' = 3' 11" Rev. 1-7-81 Days Sweeter Sr. Add. 2

I-MONUMENT TYPE "B" REQ'D AT PI. 36+50.13 "D"

Rev. 9-10-83 Add access opening

BEGIN PROJECT F-132-4(1) STA. 31+00 LINE "D"

LAKE COUNTY TRUST COMPANY

MARION HOTEL ASSOCIATES

STRUCTURE NO. 511 Adjust Casting to Grade

STRUCTURE NO. 21 18" Pipe Catch Basin & 16" of 12" Pipe Req'd.

WATER DEPT. WILL RELOCATE THIS HYDRANT

STRUCTURE NO. 26 Adjust Casting to Grade

- LEGEND**
- (D) BEGIN LA. RW, A.S. & FEET
 - (E) END LA. RW, A.S. & FEET
 - (X) BEGIN LA. RW & A.S.
 - (Y) END LA. RW & A.S.
 - (C) STD. CONCRETE CURB

"ALL RW. ON THIS SHEET TO BE AS SHOWN." LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED ALL RW. ON THIS SHEET DESCRIBED FROM LINE "D".

POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS:

STA. 31+00 LINE "D"	STREET APPR. CLASS II DRIVE
STA. 31+00 LINE "D"	STREET APPR. CLASS II DRIVE
STA. 31+00 LINE "D"	STREET APPR. CLASS II DRIVE

BEGIN PROJECT F-132-4(1) STA. 31+00 LINE "D" ELEV. 792.79

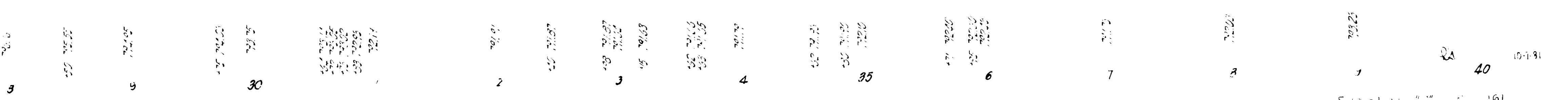
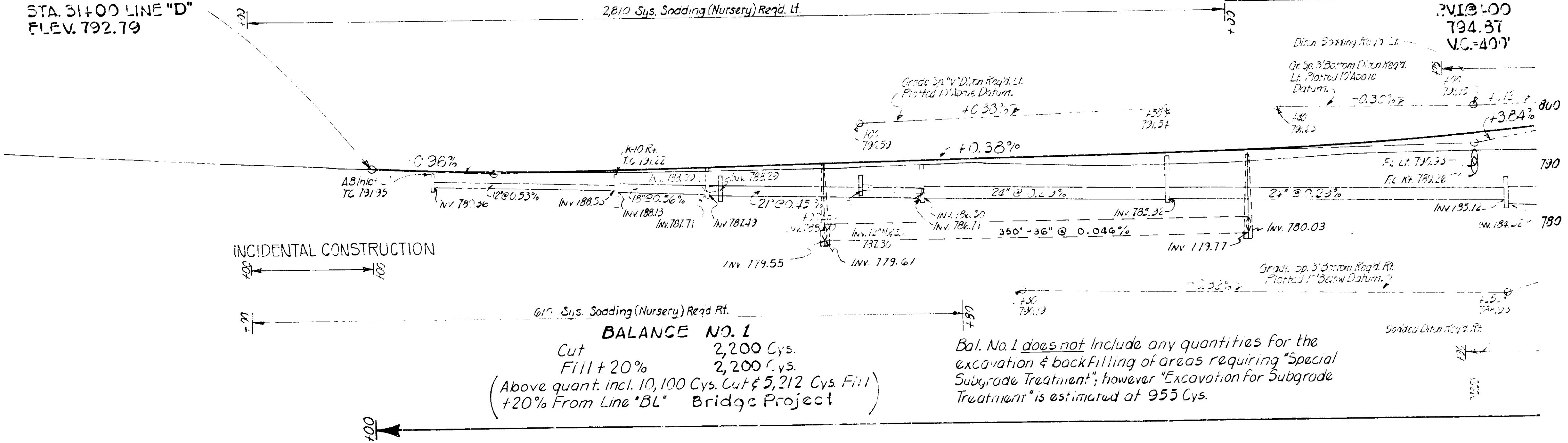
PVI @ 1+00 791.33 V.C. = 270'

NOTE: Sewer Elev. on USC & GS Datum.

BM #1 "CR" Arrowhead @ Top of Fire Hdg. 24" Rf. Sta. 27+25.6' L. Elev. 799.64

BM #2 "CR" 4' Cut on N. Side @ Top of Fire Hdg. 24" Rf. Sta. 35+08.1' L. Elev. 798.75

800
790
780



LEGEND
 [B] BEGIN L.A. RW, A.C.L. & F.F.T.F.
 [E] END L.A. RW, A.C.L. & F.F.T.F.
 [X] BEGIN L.A. RW & A.C.L.
 [Y] END L.A. RW & A.C.L.

FOR DETAILS OF LEVEE RECONSTRUCTION & RW REQ'D, SEE SHEET NO. 31

FOR DETAILS OF RC BRIDGE APPR. SEE STD. F.V.M'T JOINTS SHEET "B".

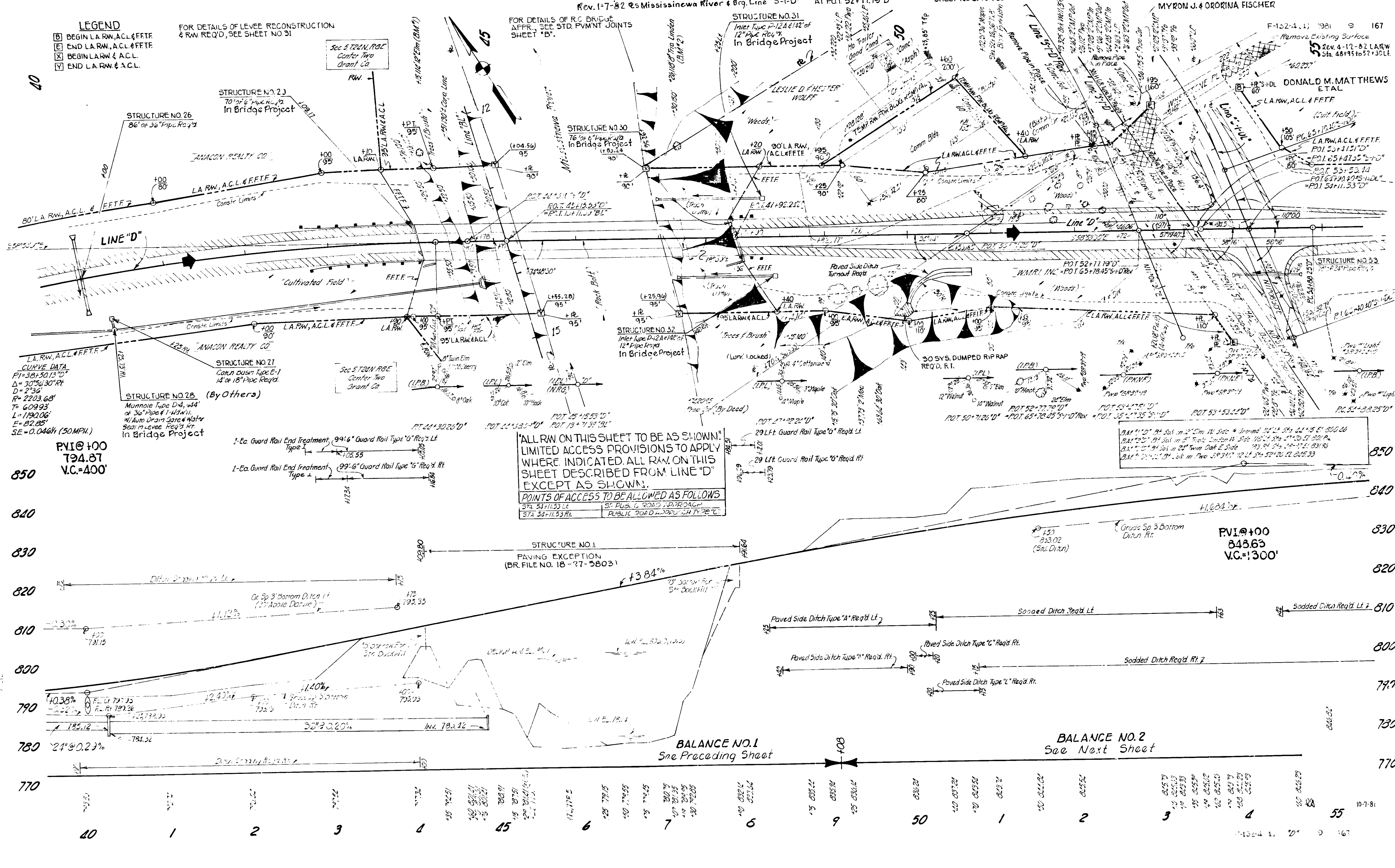
1-MONUMENT TYPE "D" REQ'D AT POT. 52+77.19"D

FOR LINE "S-I-D" SEE SHEET NOS. 19 & 20

FOR INTERSECTION DETAILS SEE SHEET NO. 25

MYRON J. & ORORIMA FISCHER

F-152-4.1) 1981 9 167



CURVE DATA
 PI=38+50.13"D
 Δ=30°56'30"RT
 D=236'
 R=2203.68'
 T=609.93'
 L=1192.06'
 E=82.85'
 SE=0.046h (50MPH)

STRUCTURE NO. 28 (By Others)
 Munroe Type D-4, 44" of 36" Pipe & 1-1/2" W.I. w/ Auto Drain Gate & Water Seal in Levee Req'd. in Bridge Project

Sec. 5.722M RBE Center Two Grant Co.

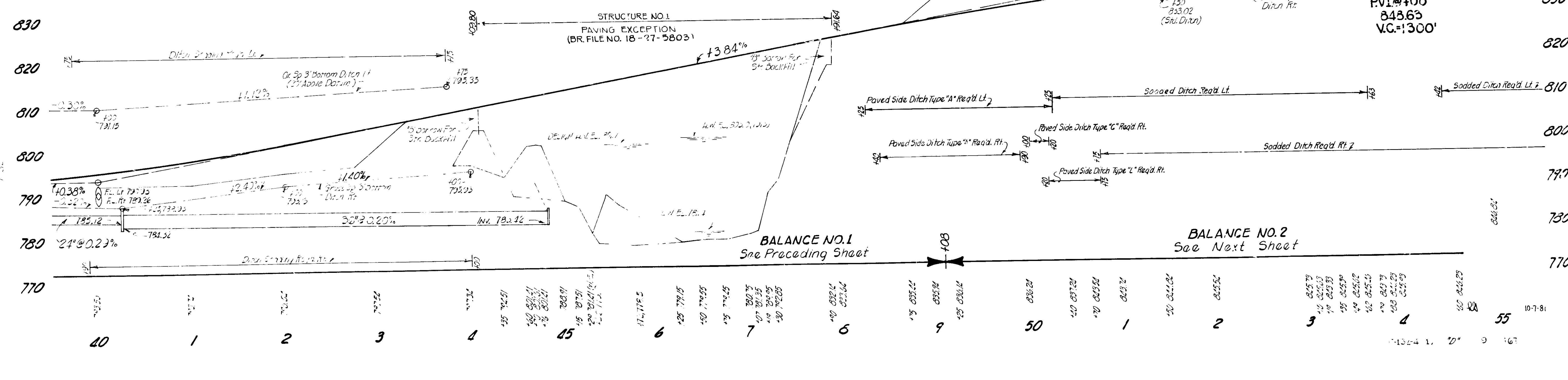
"ALL RW ON THIS SHEET TO BE AS SHOWN." LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL RW ON THIS SHEET DESCRIBED FROM LINE "D" EXCEPT AS SHOWN.

POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS

STA 54+11.53 LE	SP. PUBLIC ROAD APPROACH
STA 54+11.53 RA	PUBLIC ROAD APPROACH TYPE "C"

PVI @ +00
794.87
V.C.=400'

PVI @ +00
848.63
V.C.=1300'



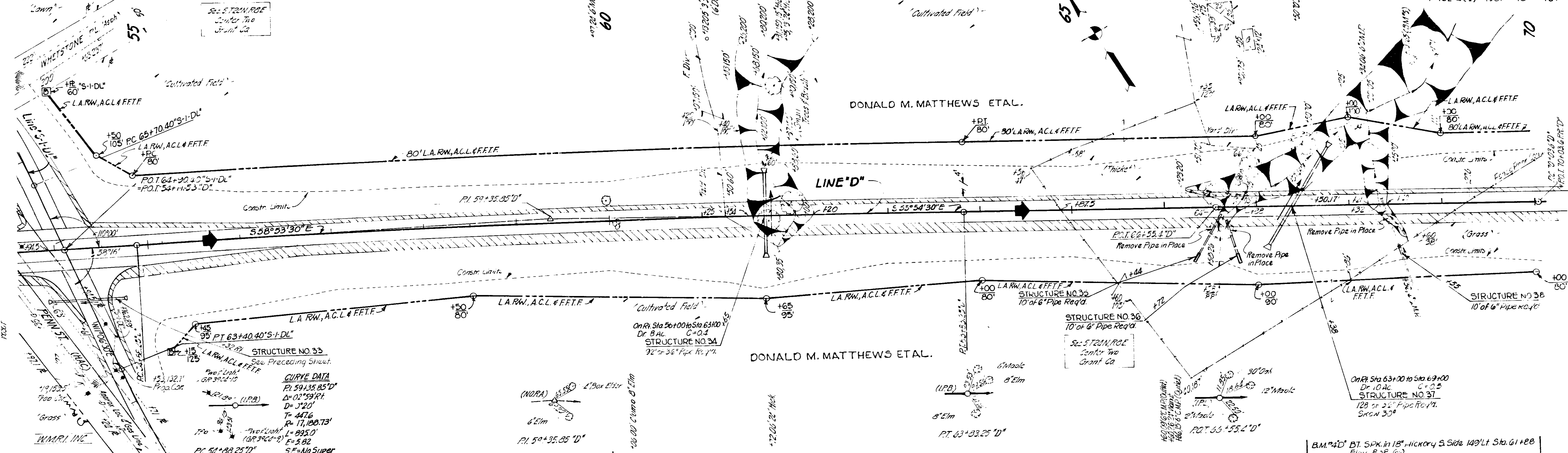
BALANCE NO. 1
See Preceding Sheet

BALANCE NO. 2
See Next Sheet

F-152-4.1) 10" 9 167

FOR LINE "S-1-DL" SEE SHEET NO'S 19 & 20.
 SP. PUBLIC RD. APPR. REQ'D. LT. & PUBLIC RD. APPR. TYPE "C" REQ'D. RT. STA. 54+11.53
 FOR INTERSECTION DETAILS SEE SHEET NO. 25
 I-MONUMENT TYPE "D" REQ'D. AT PI. 59+35.85 "D"

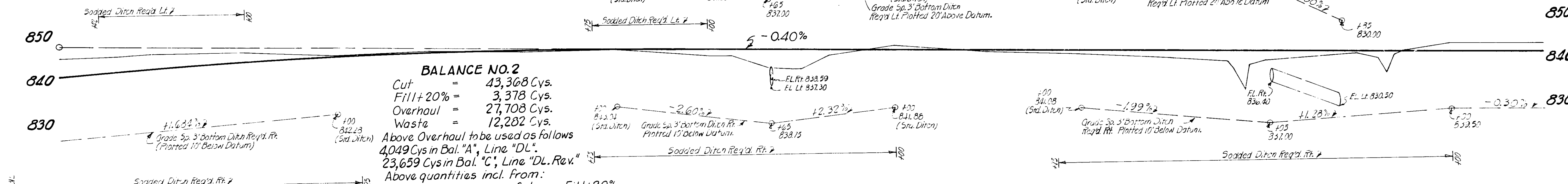
REV. 7-82 Added RW Line "S-1-DL"
 F-152-1(1) 1981 10 167



ALL RW ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL RW ON THIS SHEET DESCRIBED FROM LINE "D".
 POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS:
 Sta. 54+11.53 Lt. Sp. Public Road Approach
 Sta. 54+11.53 Rt. Public Road Approach Type "C"

CURVE DATA
 PI. 59+35.85 "D"
 $\Delta = 02^{\circ}59'17"$
 $D = 3^{\circ}20'$
 $T = 447.6'$
 $R = 17,100.73'$
 $L = 895.0'$
 $(GR 344-2) E = 5.82$
 $PC = 50+88.25 "D"$
 $SE = No Super$

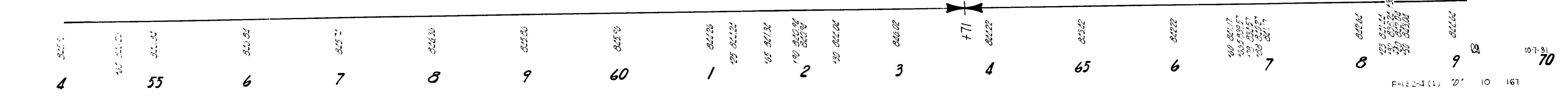
PVI @ 100
 848.63
 VC = 1300'



BALANCE NO. 2
 Cut = 43,368 Cys.
 Fill + 20% = 3,378 Cys.
 Overhaul = 27,708 Cys.
 Waste = 12,282 Cys.
 Above Overhaul to be used as follows:
 4,049 Cys in Bal. "A", Line "DL".
 23,659 Cys in Bal. "C"; Line "DL Rev."
 Above quantities incl. from:
 Line "S-1-DL" Cut 9,543 Cys. Fill + 20% 2,484 Cys.
 Line "PR. S2 of S-1-DL" 2,325 Cys. 284 Cys.
 Above quantities include 450 Cys. Cut & 540 Cys. Fill + 20% for benching from Line "S-1-DL"

Bal. No. 2 does not include any quantities for the excavation & backfilling of areas requiring "Special Subgrade Treatment"; however, "Excavation for Subgrade Treatment" is estimated at 1,851 Cys.

Bal. No. 3
 See Next Sheet

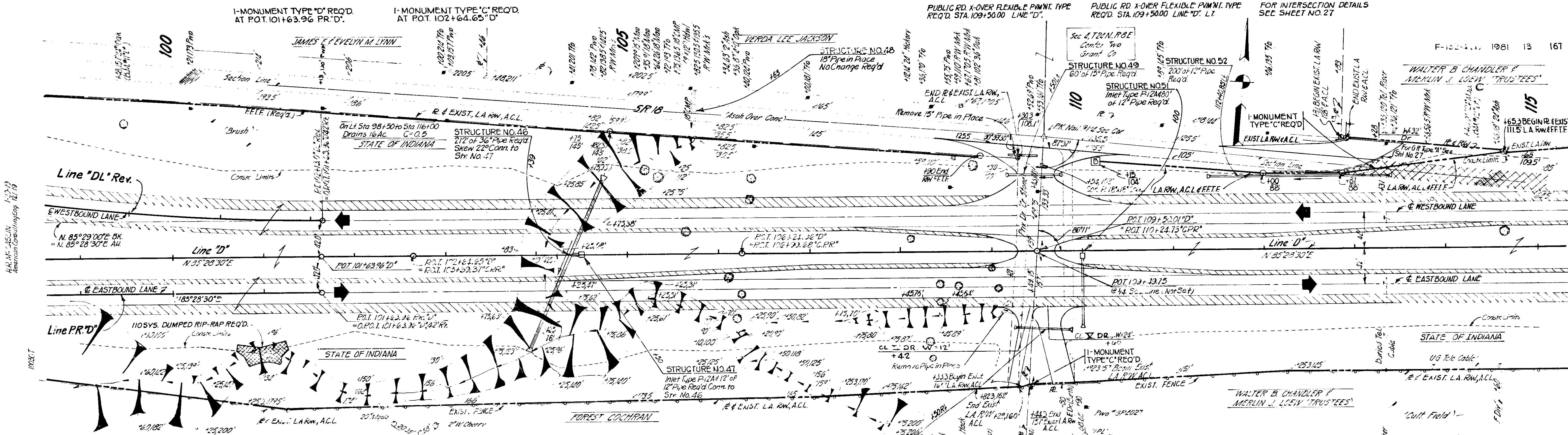


A.P. McCaslin American Consulting Eng. 12.1.78

P.25.1

A.P. McCaslin American Consulting Eng. 12.1.78

P.25.1



H.R. Mc... American Consulting Eng. 12/1/79

100000

H.R. Mc... American Consulting Eng. 12/1/79

BALANCE NO. 5
 Cut = 14,892 Cys.
 Fill + 20% = 14,892 Cys.
 Above quantities incl. 71 Cys. Cut & 79 Cys. Fill + 20% on Line "DL" Rev.
 Above Balance does not include any quantities for the excavation & backfilling of areas requiring "Special Subgrade Treatment"; however, "Excavation for Subgrade Treatment" is estimated at 3,174 Cys.

BALANCE NO. 5
 See Preceding Sheet

LEGEND

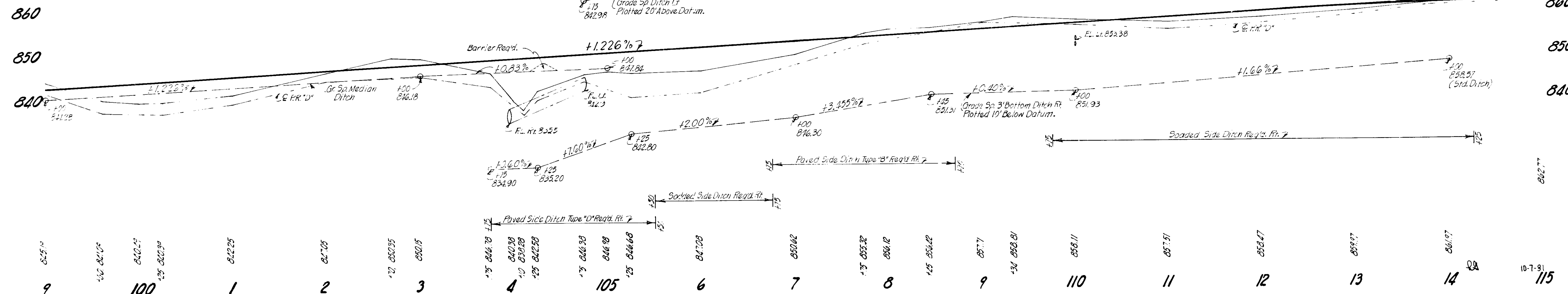
- BEGIN L.A. RW, A.C.L. & E.F.T.F.
- PAVEMENT REMOVAL

"ALL R.O.W. ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED ALL R.O.W. ON THIS SHEET DESCRIBED FROM LINE 'D'."

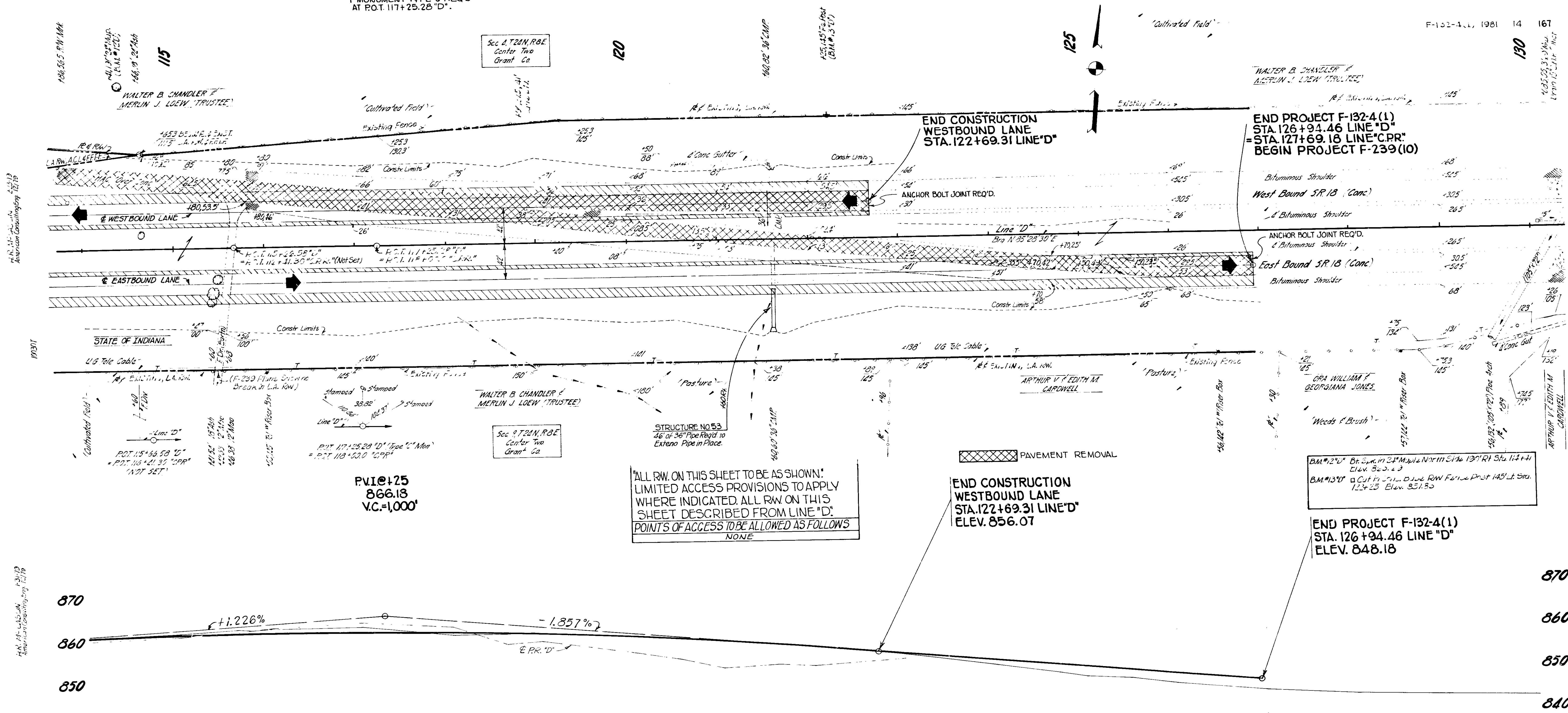
POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS

STA. 109+30 R. LINE 'D'	CLASS II & CLASS V DRIVE
STA. 109+50 L. LINE 'D'	PUB. RD. X-OVER

B.M. #11 "D" Dr. J.K. in 24" Oak & 15" Lt. Sta. 93+18 Elev. 851.58
B.M. #11 "C" Cut in N.E. Cor. E. End N. Conc. Horiz. 130' Lt. Sta. 135+17 Elev. 851.71
B.M. #2 "D" Dr. J.K. in 24" Maple N. Side 130' Lt. Sta. 114+41 Elev. 853.63



I-MONUMENT TYPE "C" REQ'D AT P.O.T. 117+25.28 "D".



P.V.I. +25
866.13
V.C. = 1,000'

ALL RW ON THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL RW ON THIS SHEET DESCRIBED FROM LINE "D".
POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS
NONE

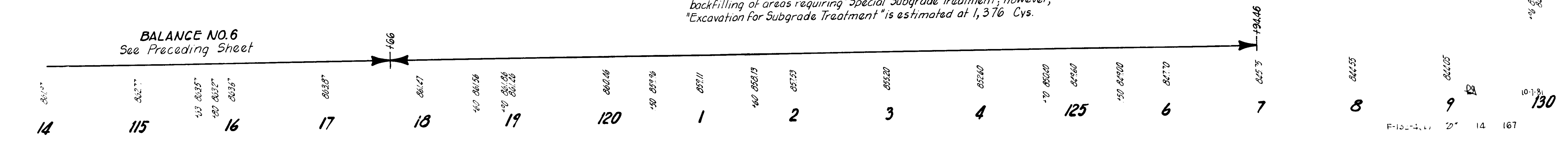
END CONSTRUCTION WESTBOUND LANE
STA. 122+69.31 LINE "D"
ELEV. 856.07

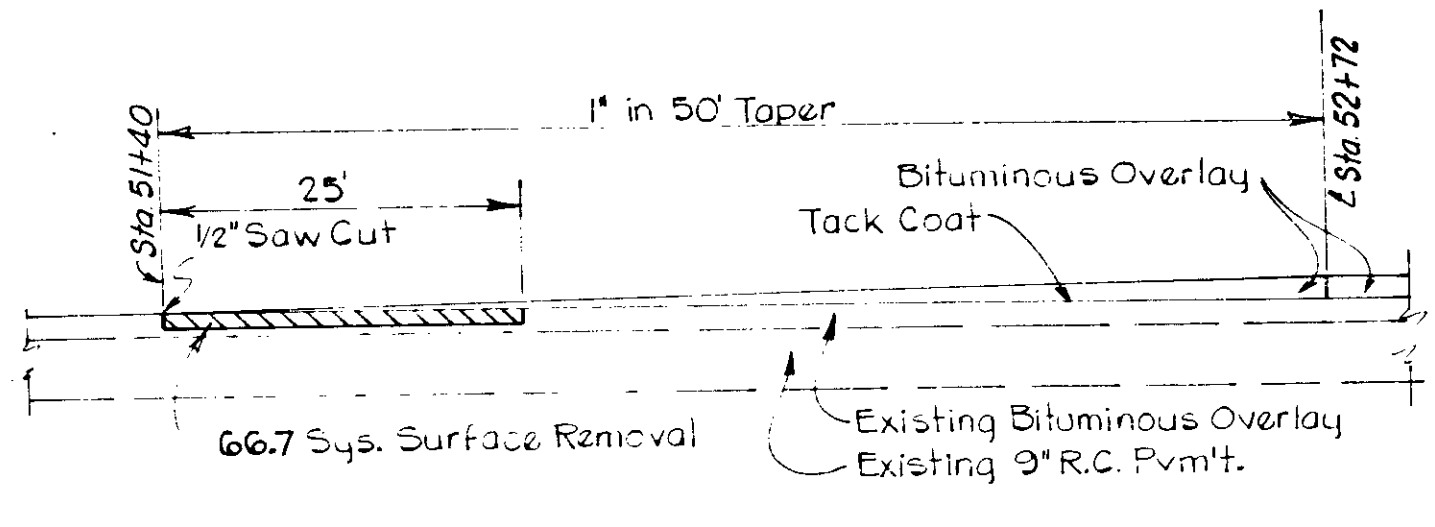
END PROJECT F-132-4(1)
STA. 126+94.46 LINE "D"
ELEV. 848.18

BALANCE NO. 7
Cut = 4,481 Cys.
Fill + 20% = 4,481 Cys.

Above Balance does not include any quantities for the excavation & backfilling of areas requiring "Special Subgrade Treatment," however, "Excavation for Subgrade Treatment" is estimated at 1,376 Cys.

BALANCE NO. 6
See Preceding Sheet





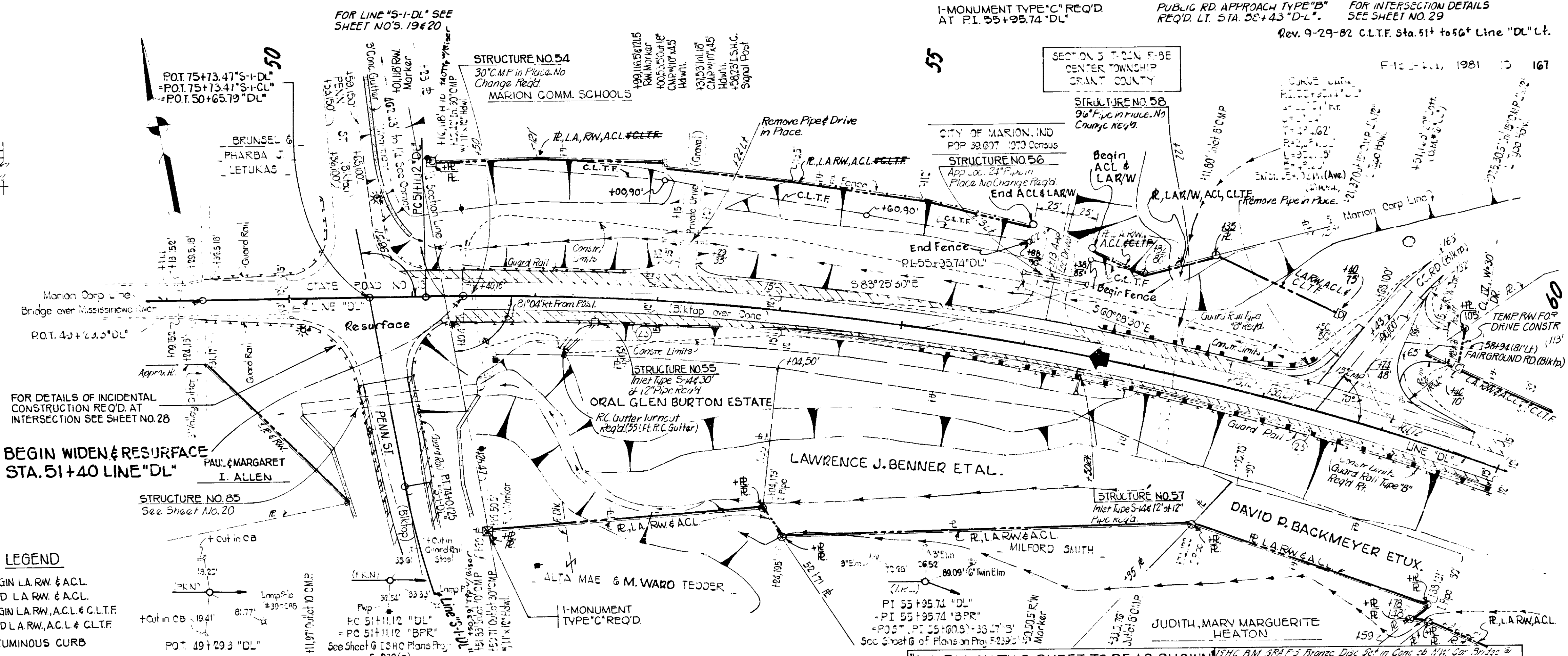
TYPICAL BITUM. OVERLAY TERMINATION
NOT TO SCALE

American Consulting Eng. 12/19

MSPT

American Consulting Eng. 12/19

MSPT



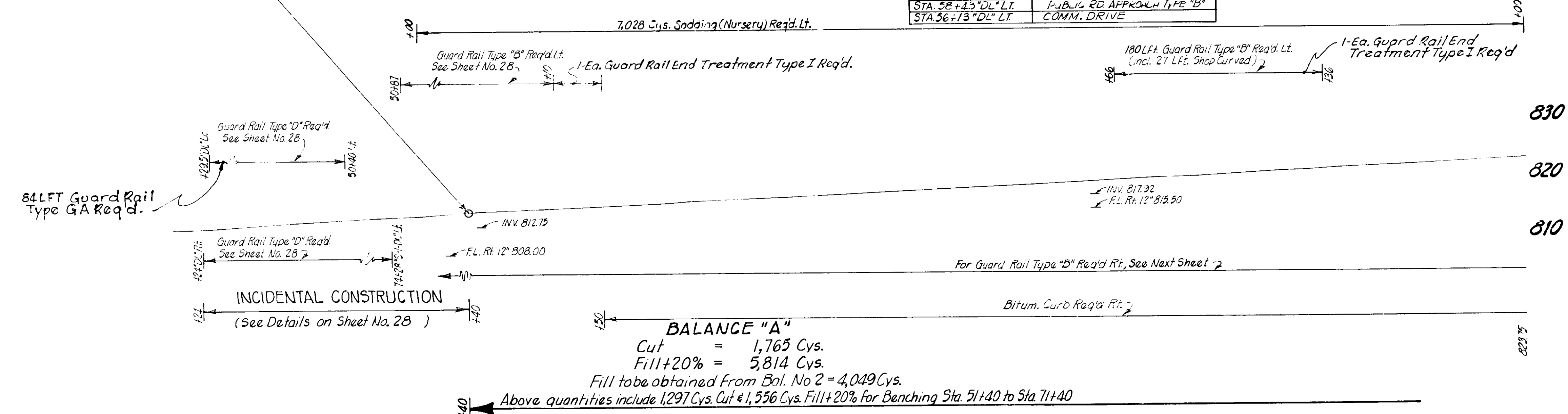
- LEGEND**
- ☒ BEGIN L.A. RW & A.C.L.
 - ☑ END L.A. RW & A.C.L.
 - ⊞ BEGIN L.A. RW, A.C.L. & C.L.T.F.
 - ⊞ END L.A. RW, A.C.L. & C.L.T.F.
 - ⊞ BITUMINOUS CURB

BEGIN WIDENING & RESURFACE
STA. 51+40 LINE "DL"

ALL RW. ON THIS SHEET TO BE AS SHOWN LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL RW. ON THIS SHEET DESCRIBED FROM LINE "DL".

POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS

STA. 58+43 "DL" LT.	PUBLIC RD. APPROACH TYPE "B"
STA. 56+13 "DL" LT.	COMM. DRIVE



BALANCE "A"
Cut = 1,765 Cys.
Fill+20% = 5,814 Cys.
Fill to be obtained From Bal. No 2 = 4,049 Cys.
Above quantities include 1,297 Cys. Cut & 1,556 Cys. Fill+20% for Benching Sta. 51+40 to Sta. 71+40

49	50	51	52	53	54	55	56	57	58	59	60
812.6	812.2	812.8	812.4	812.0	811.6	811.2	810.8	810.4	810.0	809.6	809.2
129	129	129	129	129	129	129	129	129	129	129	129

FOR INTERSECTION DETAIL
SEE SHEET NO. 29

70 PAVEMENT REMOVAL Rev. 1-7-82 K.W. Leasing

F-152-4(1), 1981 16 167

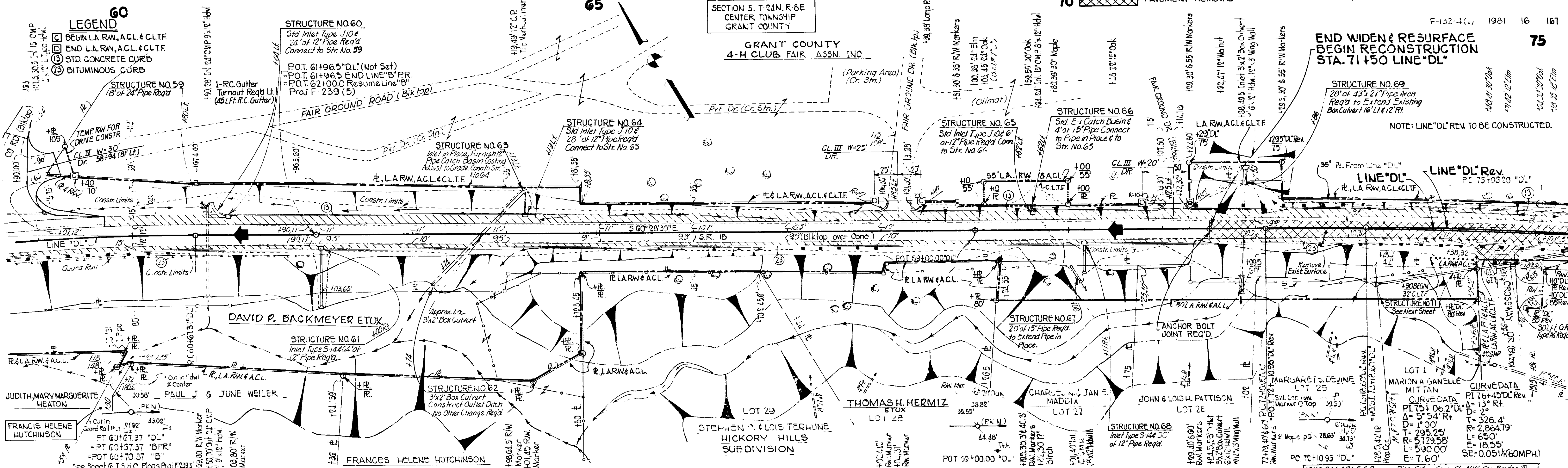
SECTION 5, T.24N. R.8E
CENTER TOWNSHIP
GRANT COUNTY

GRANT COUNTY
4-H CLUB FAIR ASSN. INC.

END WIDEN & RESURFACE
BEGIN RECONSTRUCTION
STA. 71+50 LINE "DL"

75

NOTE: LINE "DL" REV. TO BE CONSTRUCTED.



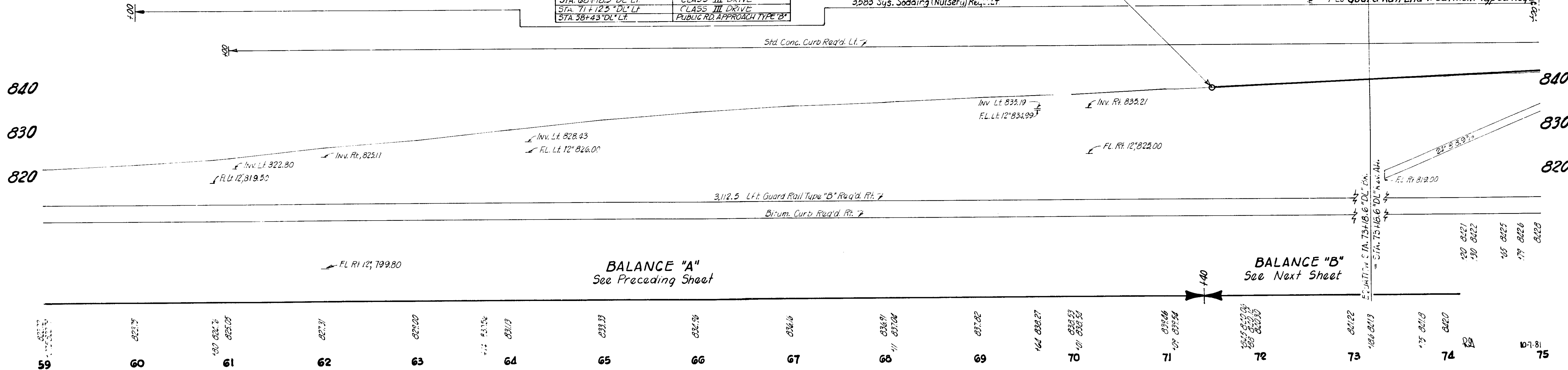
ALL RW ON THIS SHEET TO BE AS SHOWN.
LIMITED ACCESS PROVISIONS TO
APPLY WHERE INDICATED. ALL RW ON
THIS SHEET DESCRIBED FROM LINE "DL"
EXCEPT AS SHOWN.

POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS

STA. 68+18.5 "DL" LF	CLASS III DRIVE
STA. 71+125 "DL" LF	CLASS III DRIVE
STA. 38+43 "DL" LF	PUBLIC RD. APPROACH TYPE "B"

END WIDEN & RESURFACE
BEGIN RECONSTRUCTION
STA. 71+50 "DL"
ELEV. 840.12

USNC B.M. 374 F-5 Bronze Disc Set in Conc. Ch. NW Cor. Bridge @
S.P. 13 Over Mississippi R. 16 Lt. Sta. 25+50 "DL" 304.81
B.M. 75 "DL" Bt. Sak in W. Side 20' Off 163 Lt. Sta. 53+57 "DL"
322.24
B.M. 77 "DL" Bt. Sak in S. Side 28' Off 45 Lt. Sta. 69+03 "DL"
311.22



BALANCE "A"
See Preceding Sheet

BALANCE "B"
See Next Sheet

59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75

CLASS II DR REQ'D RT STA 74+80 I-MONUMENT TYPE 'B' REQ'D
60' RT 'DL' Rev. W=12' L=26' AT PT. 76+45.0 'DL' Rev.

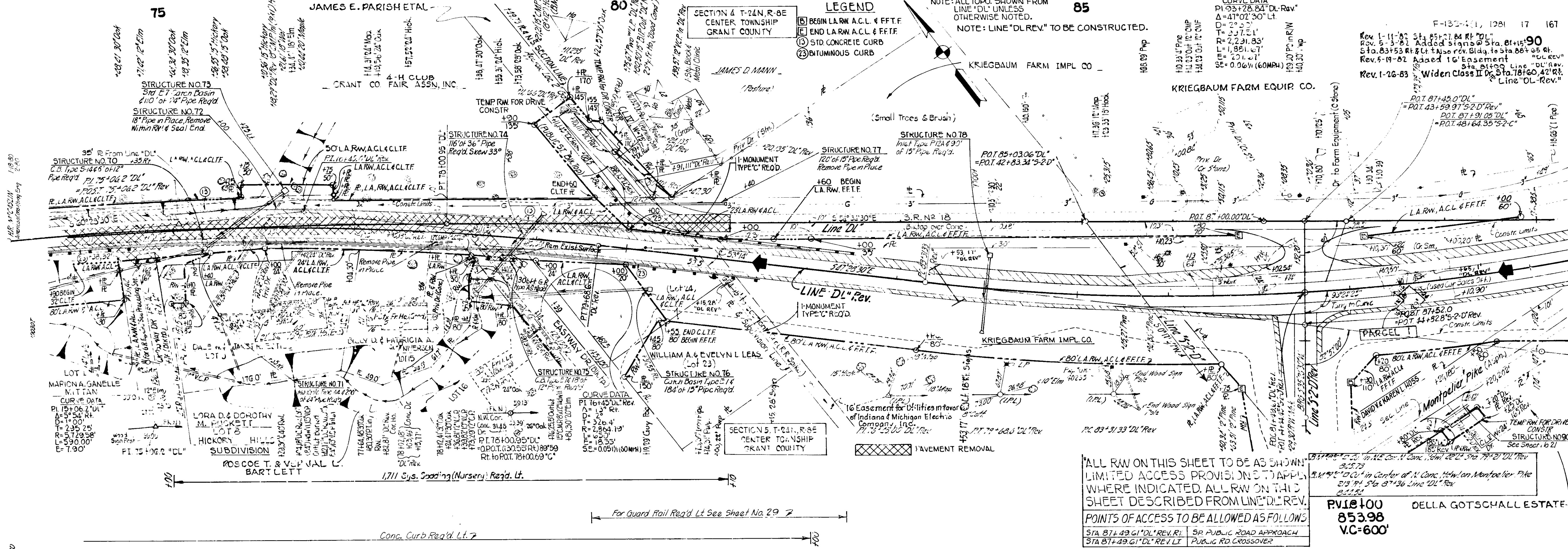
CLASS II DR REQ'D RT STA 78+60
42' RT 'DL' Rev. W=12' L=30'

FOR INTERSECTION DETAILS
SEE SHEET NO. 29

I-MONUMENT TYPE 'D' REQ'D
AT PC. 83+31.33 'DL' Rev.

PUB. RD. X-OVER FL. E. I. D. L. P. M. N. I. TYPE
REQ'D. LT STA 81+49.61 'DL' Rev. L=10'

SP PUBLIC RD APPR. REQ'D
RT STA 81+49.61 'DL' Rev. FOR INTERSECTION DETAILS
SEE SHEET NO. 30



LEGEND

- (B) BEGIN L.A.W. A.C.L. & F.F.T.F.
- (E) END L.A.W. A.C.L. & F.F.T.F.
- (C) STD. CONCRETE CURB
- (D) BITUMINOUS CURB

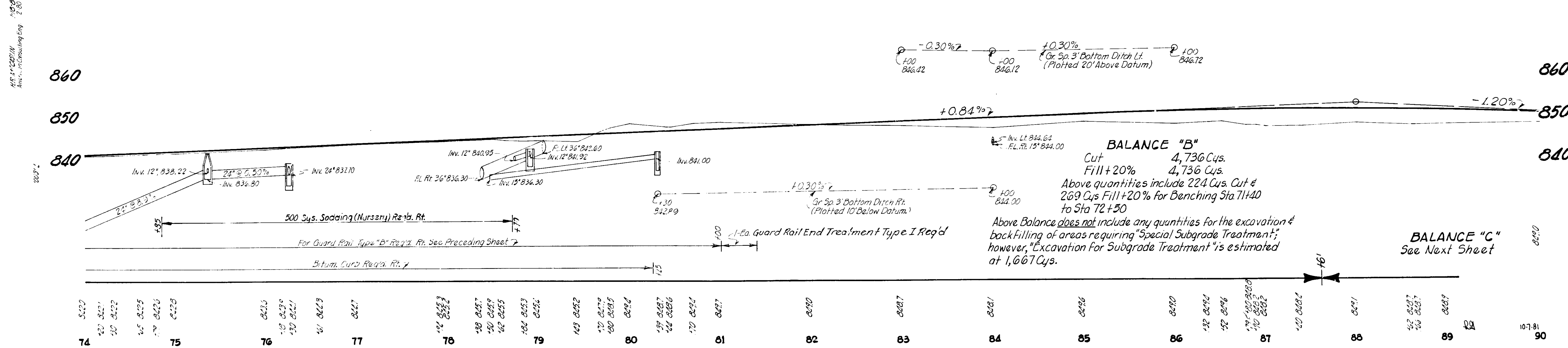
NOTE: ALL TOPO. SHOWN FROM
LINE "DL" UNLESS
OTHERWISE NOTED.
NOTE: LINE "DL REV." TO BE CONSTRUCTED.

CURVE DATA
 PI 93+28.84 "DL" Rev.
 Δ=41°02'30" Lt.
 D=23.50'
 T=23.72'
 R=2,231.83'
 L=1,881.41'
 E=10.91'
 SE=0.061% (60 MPH)
 F=133-4.1, 1281 17 167

ALL RW ON THIS SHEET TO BE AS SHOWN
LIMITED ACCESS PROVISIONS TO APPLY
WHERE INDICATED. ALL RW ON THIS
SHEET DESCRIBED FROM LINE "DL" REV.

P.V. ±100
853.98
V.C.=600'

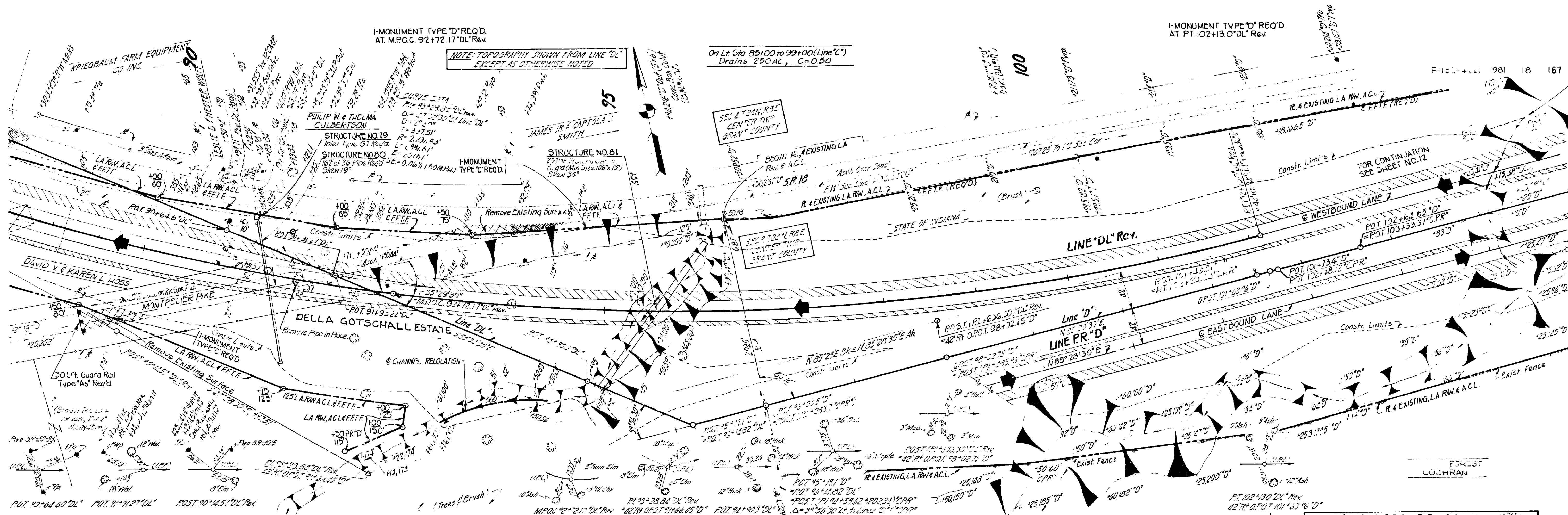
DELLA GOTSCHALL ESTATE



1537
American Consulting Eng.

1537
American Consulting Eng.

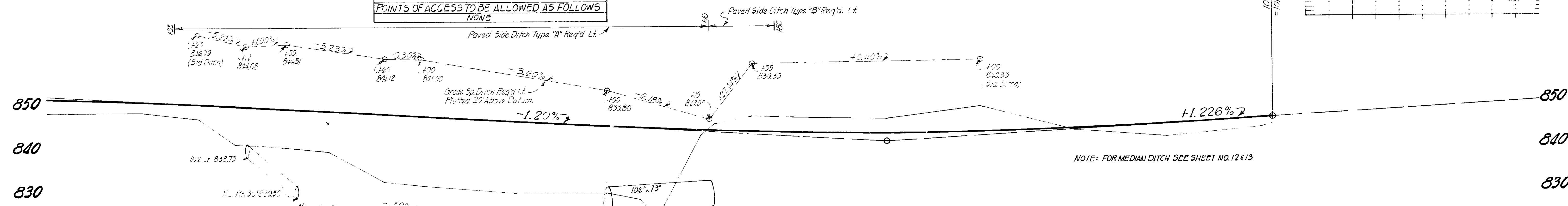
1537



"ALL R.W. ON THIS SHEET TO BE AS SHOWN."
 LIMITED ACCESS PROVISIONS TO APPLY
 WHERE INDICATED. ALL R.W. ON THIS
 SHEET DESCRIBED FROM LINE "DL" Rev.
 EXCEPT AS SHOWN.
 POINTS OF ACCESS TO BE ALLOWED AS FOLLOWS
 NONE

P.V.I. @ 100
 841.98
 V.C. = 600'

B.M. #10	841.98	841.98
B.M. #11	841.98	841.98

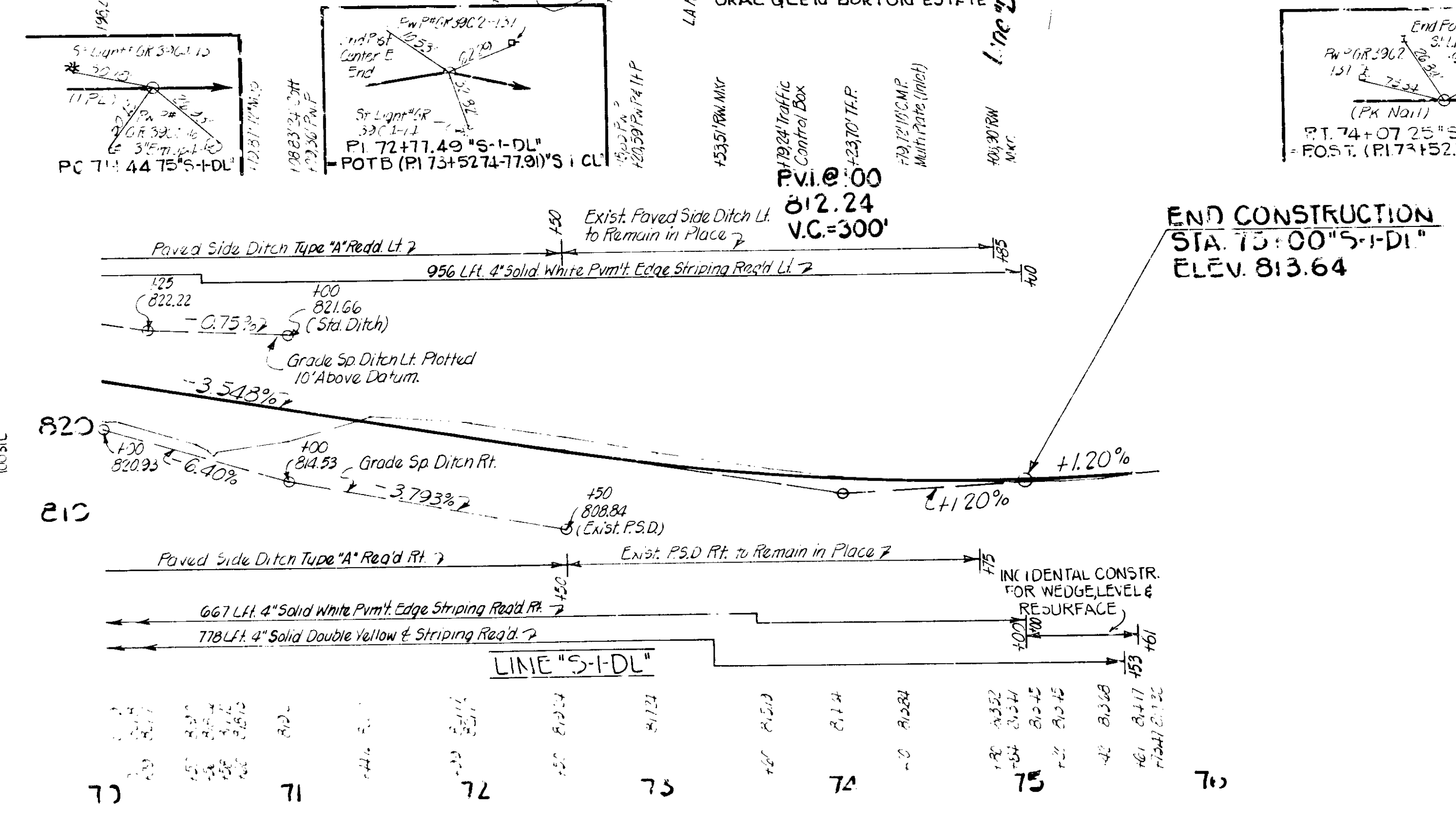
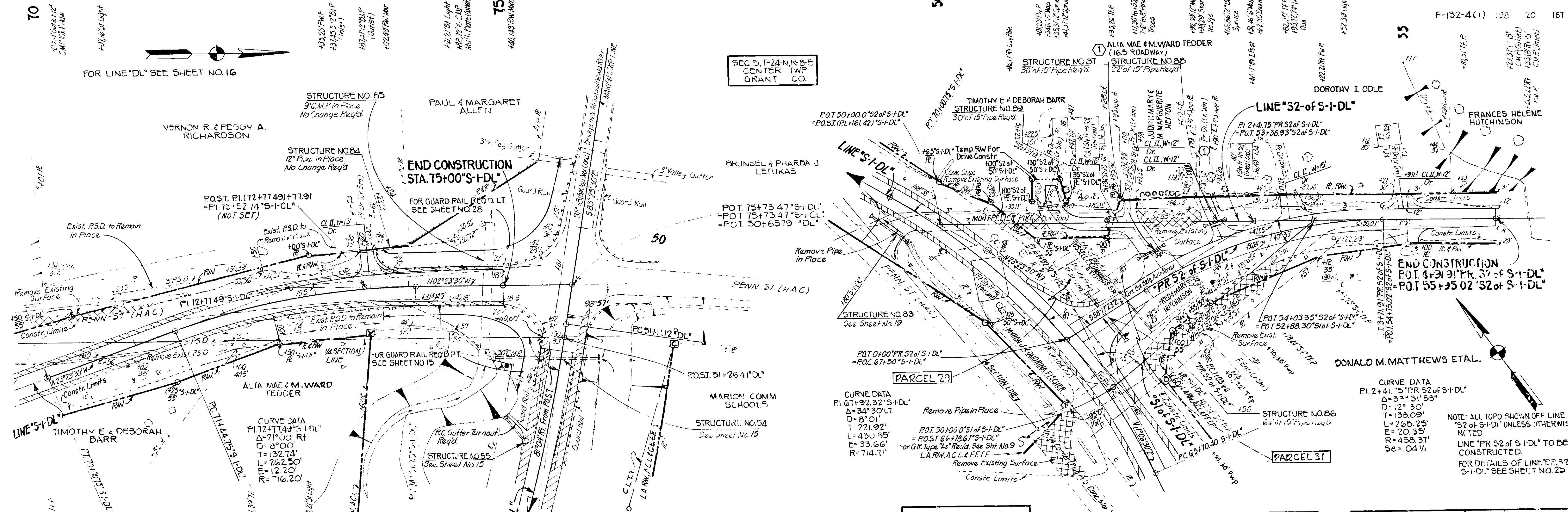
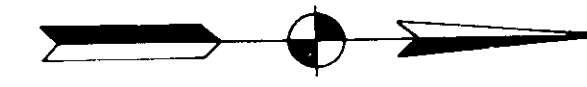


BALANCE "C"
 Cut 696 Cys.
 Fill +20% 24,355 Cys.
 Fill to be obtained from Bal. No. 2 = 23,659 Cys.
 Above quantities include 246 Cys. Cut & 295 Cys.
 Fill +20% for Benching Sta 91+55 to Sta. 94+00

BALANCE NO. 5
 See Sheet No. 12

BALANCE NO. 6
 See Sheet No. 13

840	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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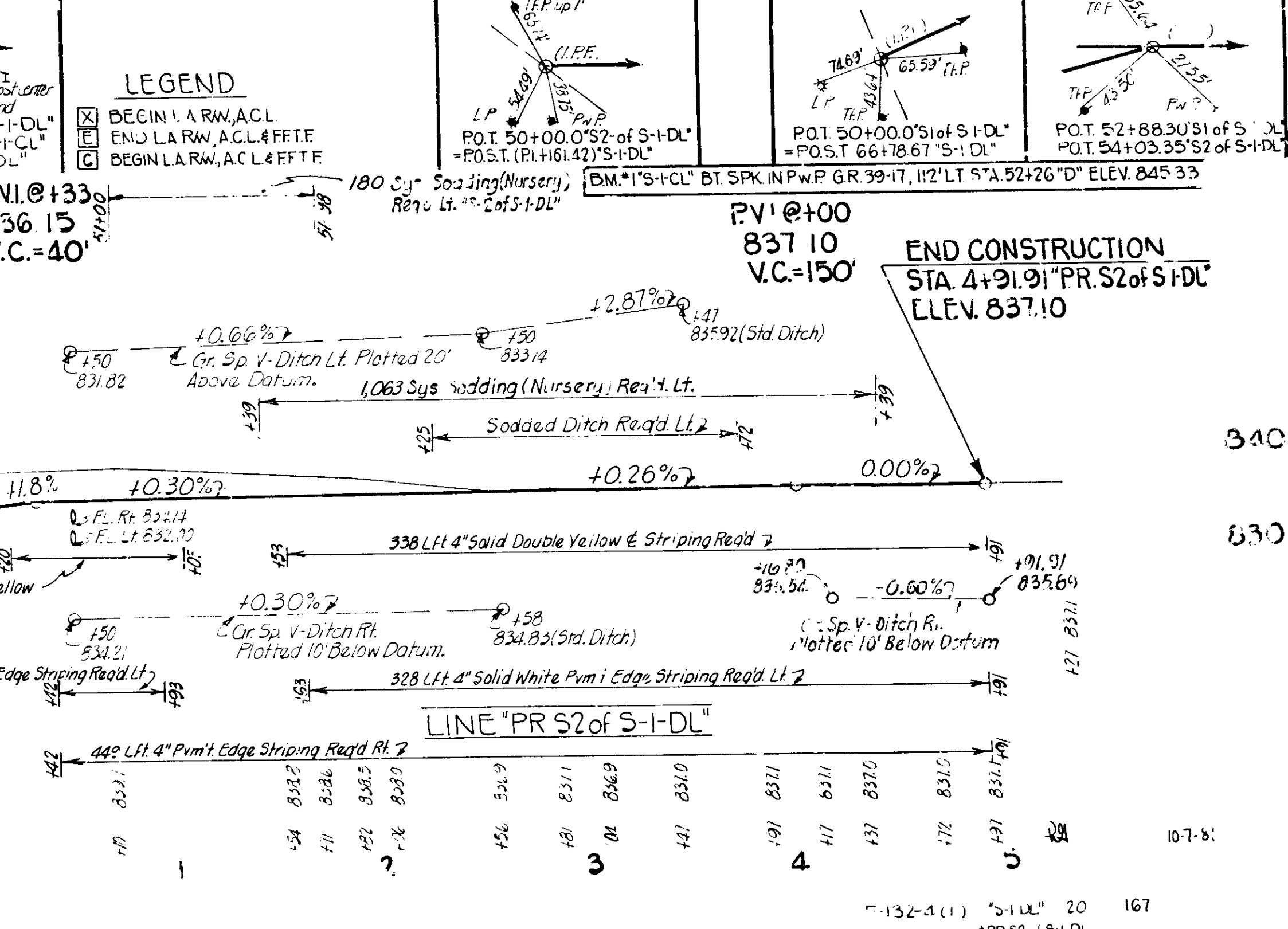


END CONSTRUCTION STA. 75+00 "S-I-DL" ELEV. 813.64

BEGIN CONSTRUCTION STA. 0+12.05 "PR S2 of S-I-DL" ELEV. 835.77

END CONSTRUCTION STA. 4+91.91 "PR S2 of S-I-DL" ELEV. 837.10

ALL RW ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED ALL RW ON THIS SHEET DESCRIBED FROM LINE "PR S2 of S-I-DL", EXCEPT AS SHOWN.



H.K. Johnson
American Consulting Eng'g

170387

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American Consulting Eng'g

170387

SP PUBLIC RD. APPR. REQ'D RT. STA. 87+49.61 "DL" Rev.
SP PUBLIC RD. APPR. TYPE 'A' REQ'D RT. I-MONUMENT TYPE 'B' REQ'D STA. 46+68 LINE "S-2-D" Rev. W=24', L=14005' AT P.I. 41+03.58 "S-2-D" Rev.

F-102-411, 198; 21 167
Rev. 1-11-82 @ Sta. 85+27.84 "DL" Rev.
SP PUBLIC RD. APPR. REQ'D. L.T. STA. 86+03.08 "PR-D" Rev. W=24' d=34'43" RT.

END CONSTRUCTION STA. 50+10.96 "S-2-D" Rev.

P.O.T. 50+35.95 "S-2-D" Rev.
= P.O.T. 86+03.08 "PR-D"
P.T. 86+15.51 "PR-D"
= 86+20.85 "PR-D"
= O.P.O.T. 86+00.85 "C-42" Rt.
P.O.T. 86+26.62 "D"
= P.O.T. 43+32.30 "S-2-D" Rev.
= P.O.T. 50+00.00 "S-2-D"

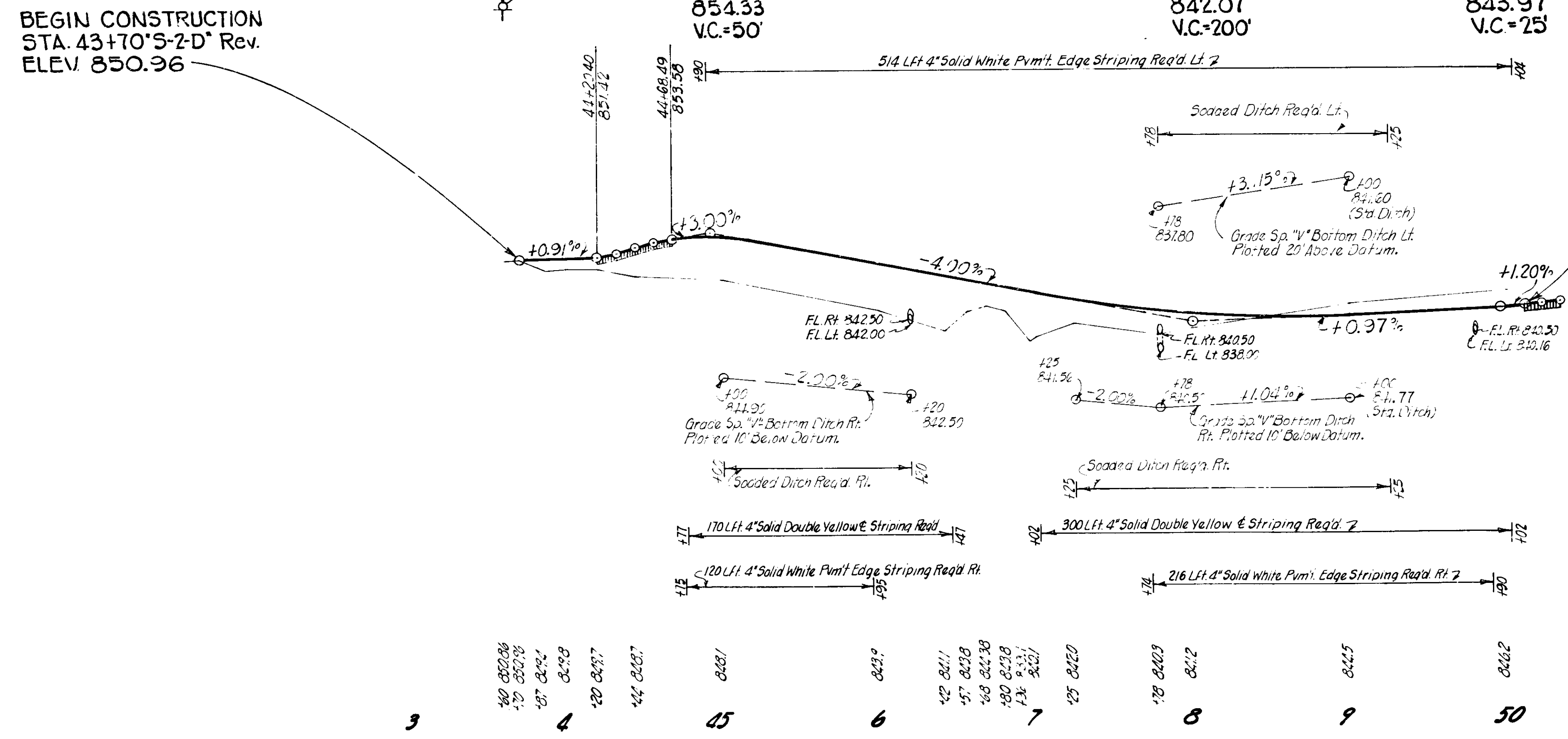
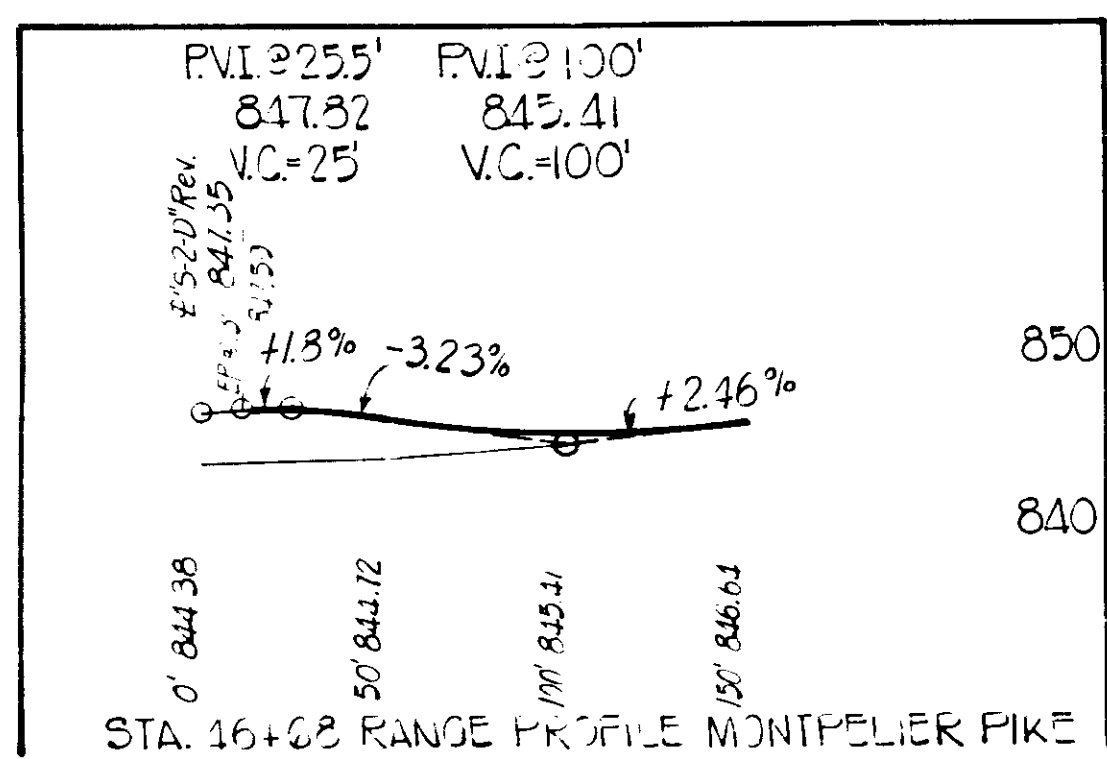
FOR LINE "PR-D" SEE SHEET NO. 12
FOR LINE "DL REV" SEE SHEET NO. 17
FOR INTERSECTION DETAILS SEE SHEET NOS. 26 & 30

LEGEND
[Symbol] BEGIN L.A. RW, A.C.L. & F.F.T.E.
[Symbol] END L.A. RW, A.C.L. & F.F.T.E.

"ALL RW. ON THIS SHEET TO BE AS SHOWN."
LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL RW. ON THIS SHEET DESCRIBED FROM LINE "S-2-D" REV. EXCEPT AS SHOWN.

BEGIN CONSTRUCTION STA. 43+70 "S-2-D" Rev. ELEV. 850.96

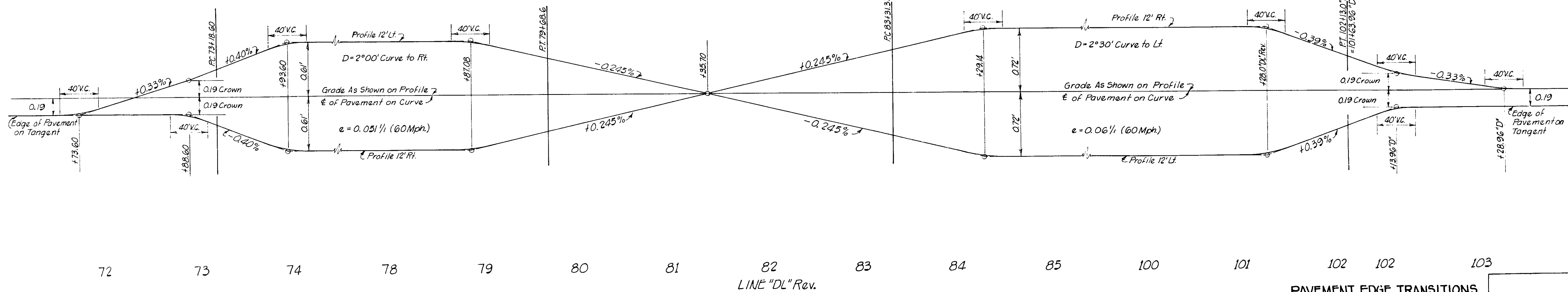
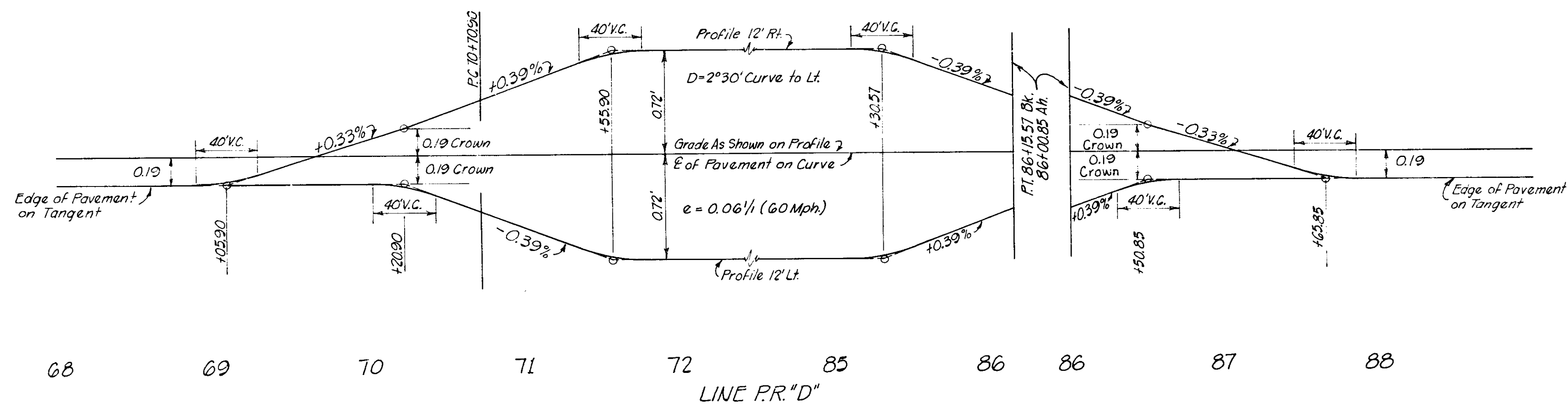
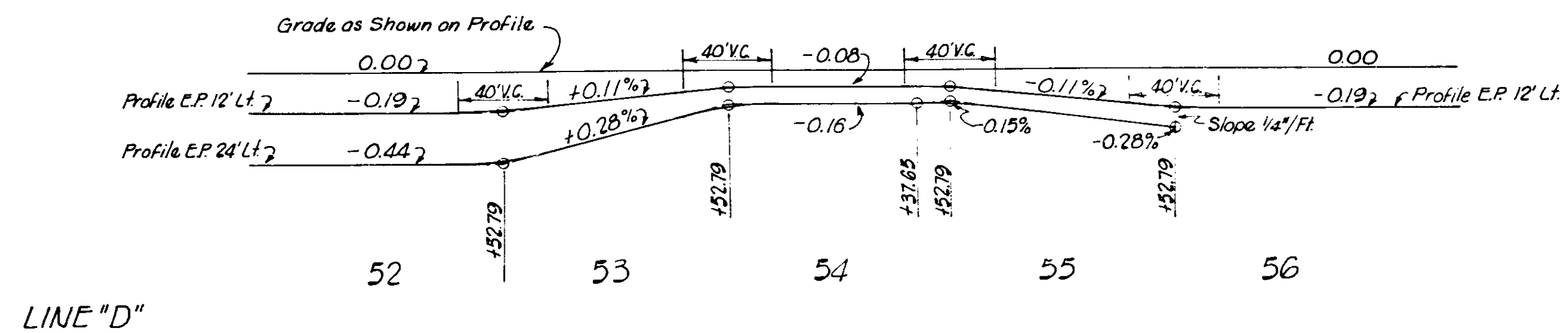
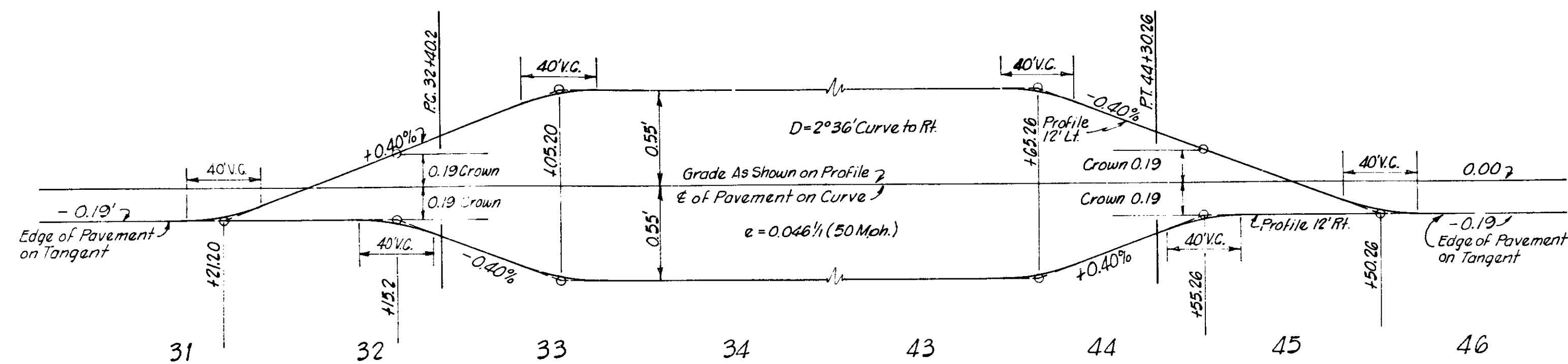
END CONSTRUCTION STA. 50+10.96 "S-2-D" Rev. ELEV. 844.15



850

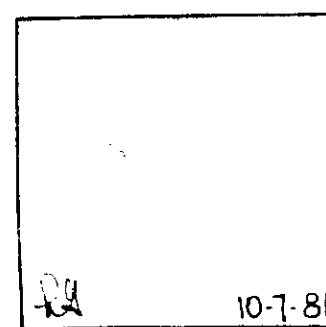
840

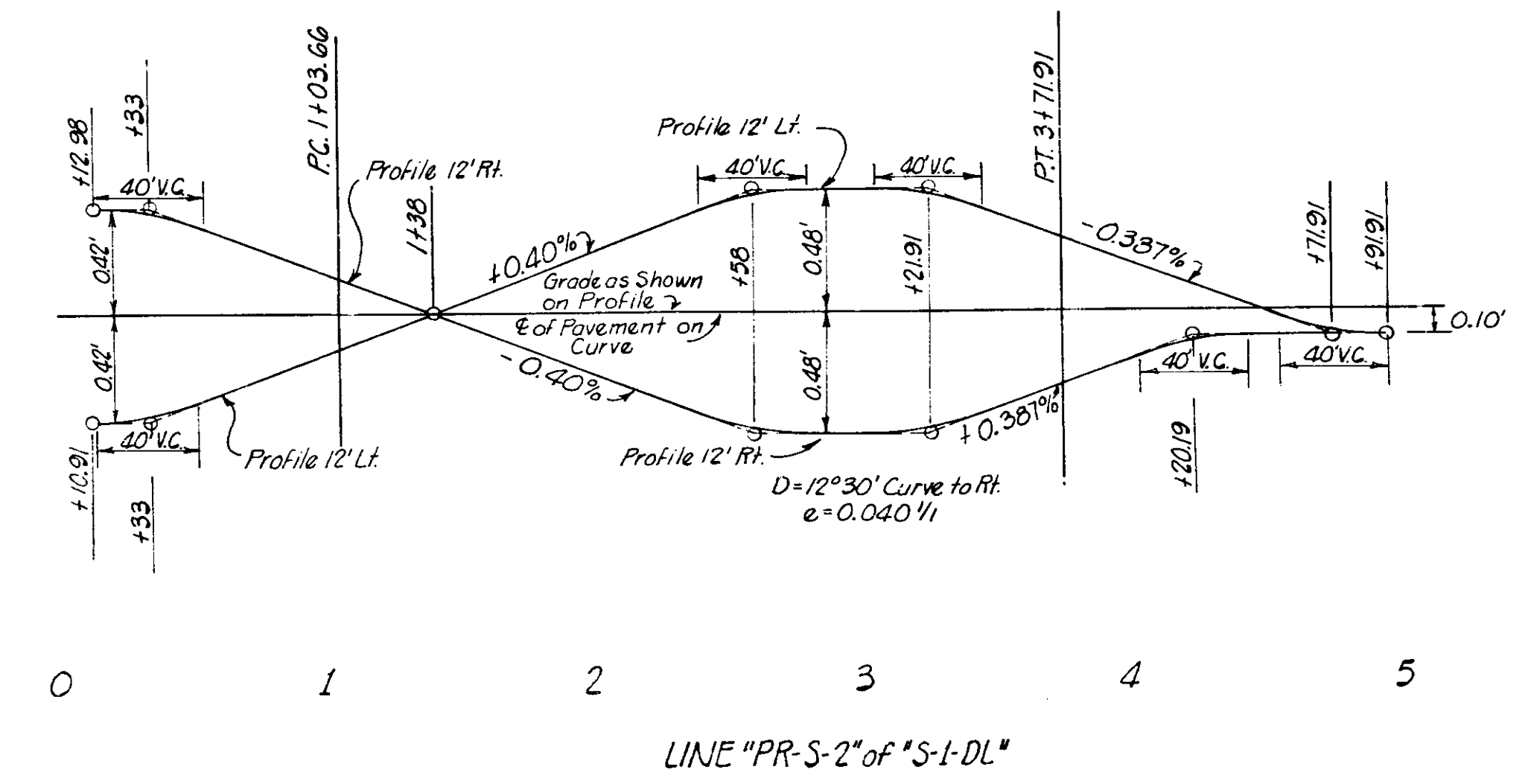
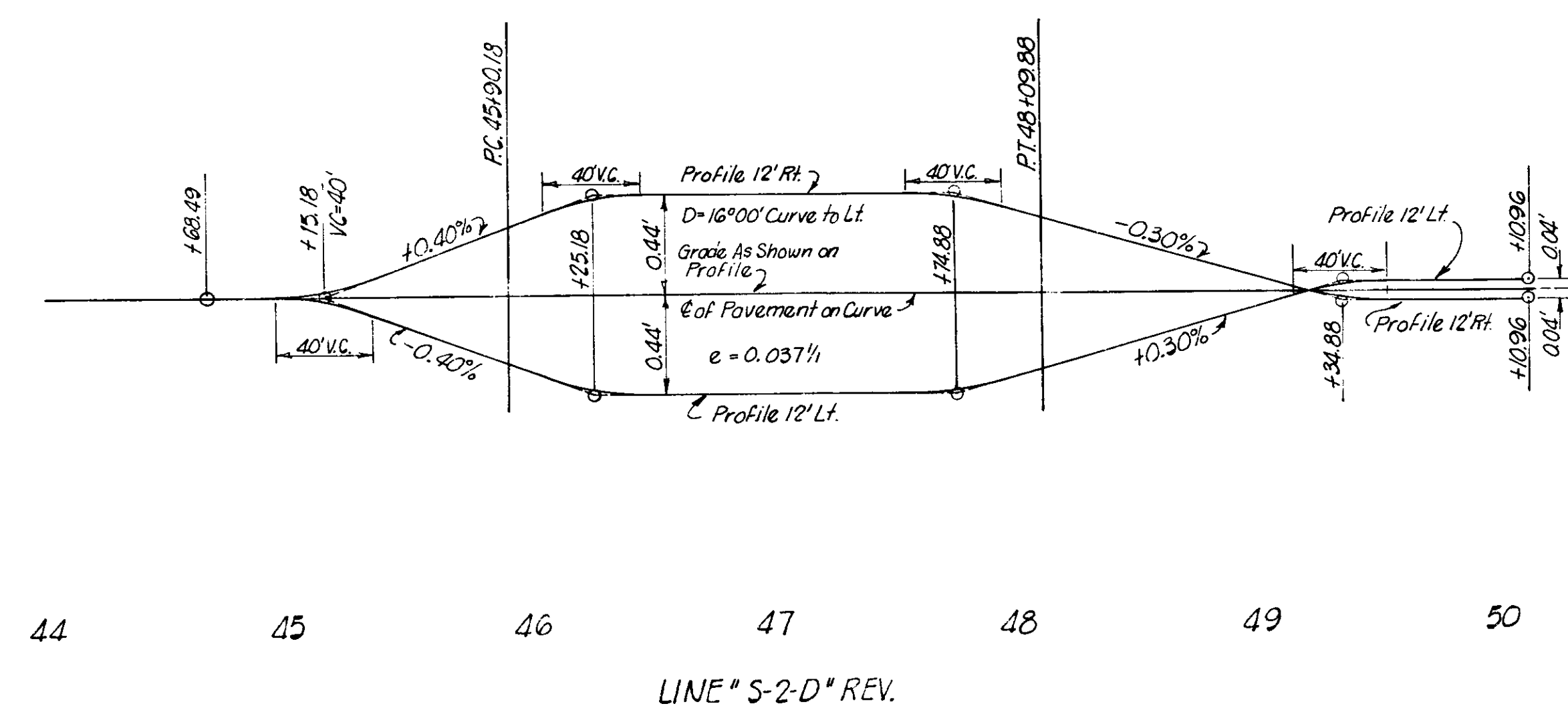
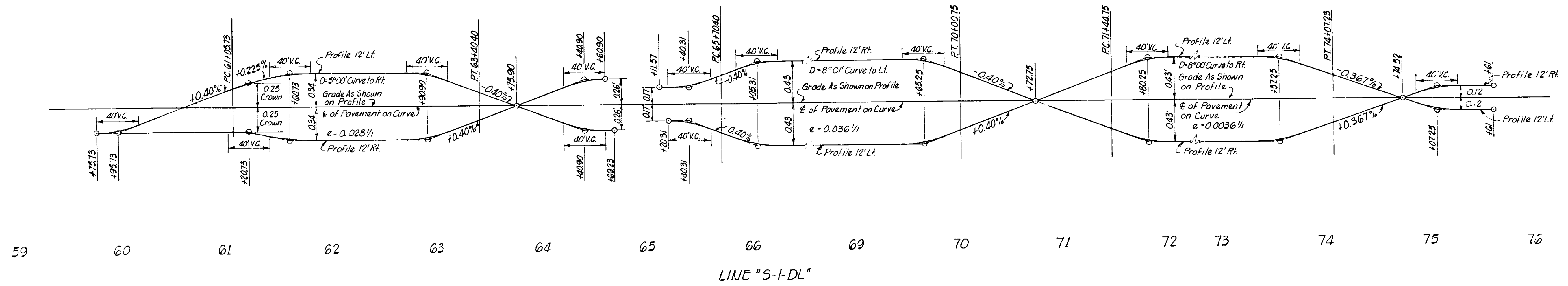
830



PAVEMENT EDGE TRANSITIONS

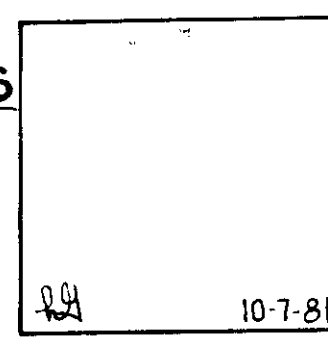
Scale: $\left\{ \begin{array}{l} \text{Horiz: } 1"=50' \\ \text{Vert: } 1"=5.0' \end{array} \right.$





PAVEMENT EDGE TRANSITIONS

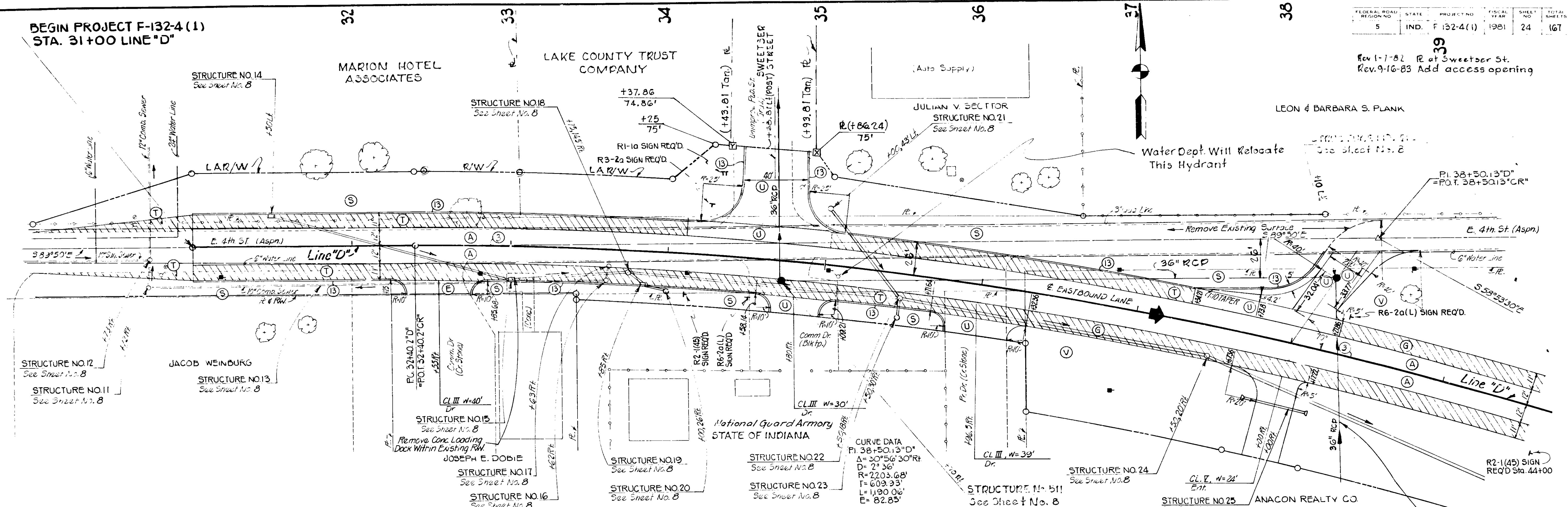
Scale : { Horiz : 1"=50'
Vert : 1"=5.00'



BEGIN PROJECT F-132-4 (1)
STA. 31+00 LINE "D"

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.	F 132-4 (1)	1981	24	167

Rev. 1-7-82 R at Sweetser St.
Rev. 9-16-83 Add access opening



- LEGEND**
- (A) Plain Concrete Pavement 10"
 - (E) 330#/Sqd. Bituminous Mix for Approaches on 5" Compacted Aggregate Base Type "D"
 - (G) 660#/Sqd. Bituminous Base, #5D
 - (S) Sodding (Nursery)
 - (T) 1100#/Sqd. Bituminous Base, #5D
 - (U) 1100#/Sqd. Bituminous Mix for Approaches
 - (V) Seeding
 - (3) Longitudinal Joint
 - (B) Std. Concrete Curb

M3-2A	EAST	WEST	M3-4-A
MI-6-A	INDIANA 18	INDIANA 18	MI-6-A

DETAILS
STA. 31+00'D TO STA. 39+00'D
DETAILS
SCALE: 1"=30'

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND	F-132-4(1)	1981	25	167

ADT. 1981 2,750
ADT. 2001 4,202

ADT. 1981 3,615
ADT. 2001 5,225

ADT. 1981 4,020
ADT. 2001 6,142

ADT. 1981 2,225
ADT. 2001 3,100

TRAFFIC DIAGRAM
DHV. 2001

CURVE DATA
PI. 61+32.32'S+D'L
Δ = 34° 30' Lt.
D = 2° 01'
T = 221.92'
L = 437.35'
E = 33.66'
R = 714.7'

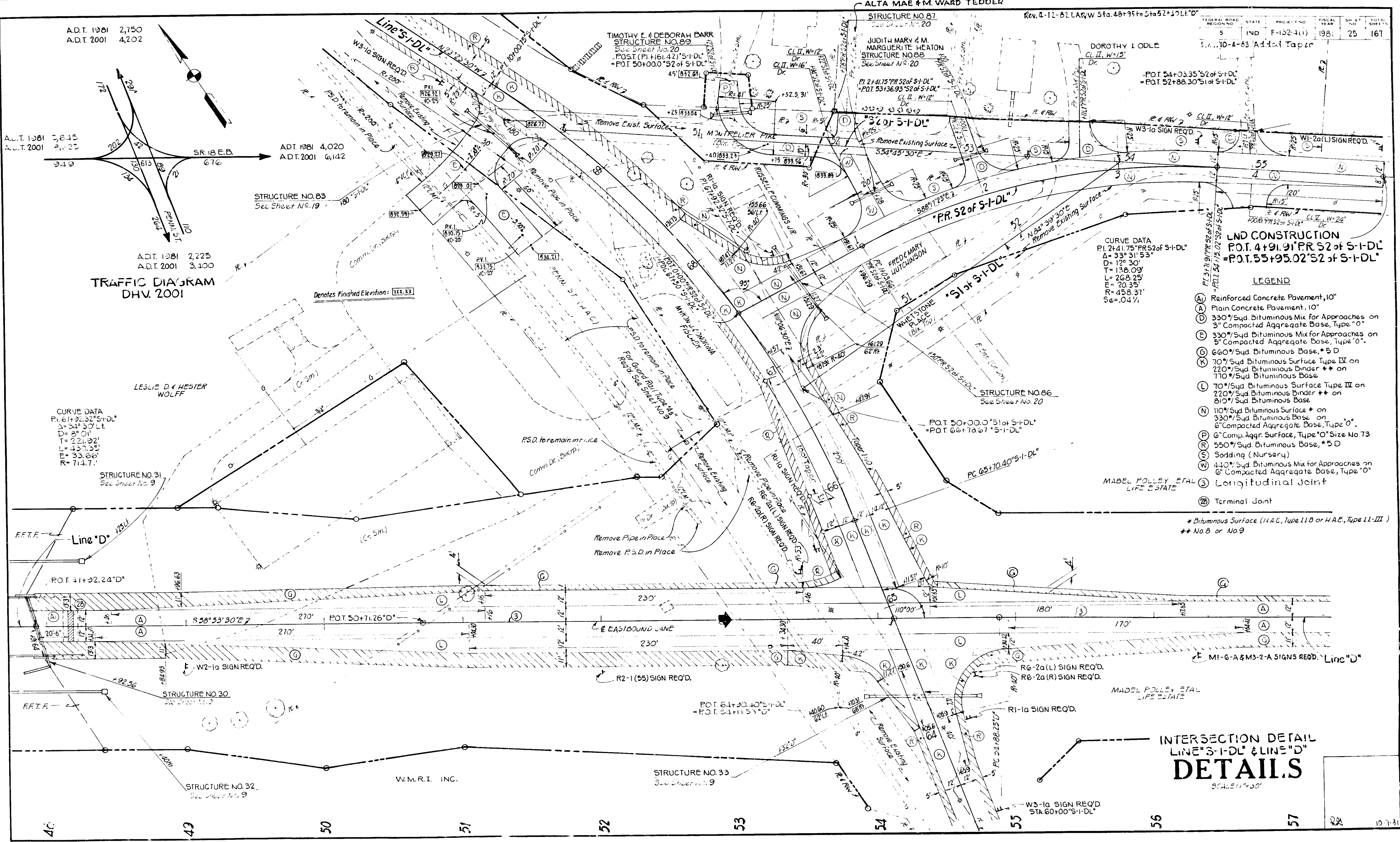
CURVE DATA
PI. 2+41.75"PR.S2 of S-I-DL"
Δ = 33° 31' 53"
D = 12° 30'
T = 138.09'
L = 268.25'
E = 20.35'
R = 458.31'
Se = 0.4 %

LAND CONSTRUCTION
P.O.T. 4+91.91"PR.S2 of S-I-DL"
= P.O.T. 55+95.02" S2 of S-I-DL"

LEGEND

- (A) Reinforced Concrete Pavement, 10"
- (B) Plain Concrete Pavement, 10"
- (C) 330#/Sqd. Bituminous Mix for Approaches on 3" Compacted Aggregate Base, Type "O"
- (D) 330#/Sqd. Bituminous Mix for Approaches on 5" Compacted Aggregate Base, Type "O"
- (E) 660#/Sqd. Bituminous Base, # 5 D
- (K) 70%/Sqd. Bituminous Surface Type IV on 220#/Sqd. Bituminous Binder ** on 770#/Sqd. Bituminous Base
- (L) 70%/Sqd. Bituminous Surface Type IV on 220#/Sqd. Bituminous Binder ** on 810#/Sqd. Bituminous Base
- (N) 110%/Sqd. Bituminous Surface * on 330#/Sqd. Bituminous Base on 6" Compacted Aggregate Base, Type "O"
- (P) 6" Comp. Aggr. Surface, Type "O" Size No. 73
- (R) 550#/Sqd. Bituminous Base, # 5 D
- (S) Sodding (Nursery)
- (W) 440#/Sqd. Bituminous Mix for Approaches on 6" Compacted Aggregate Base, Type "O"
- (S) Longitudinal Joint
- (T) Terminal Joint

* Bituminous Surface (H.A.C., Type 11B or H.A.E., Type 11-III)
** No. 8 or No. 9



INTERSECTION DETAIL
LINE "S-I-DL" & LINE "D"
DETAILS
SCALE: 1" = 30'

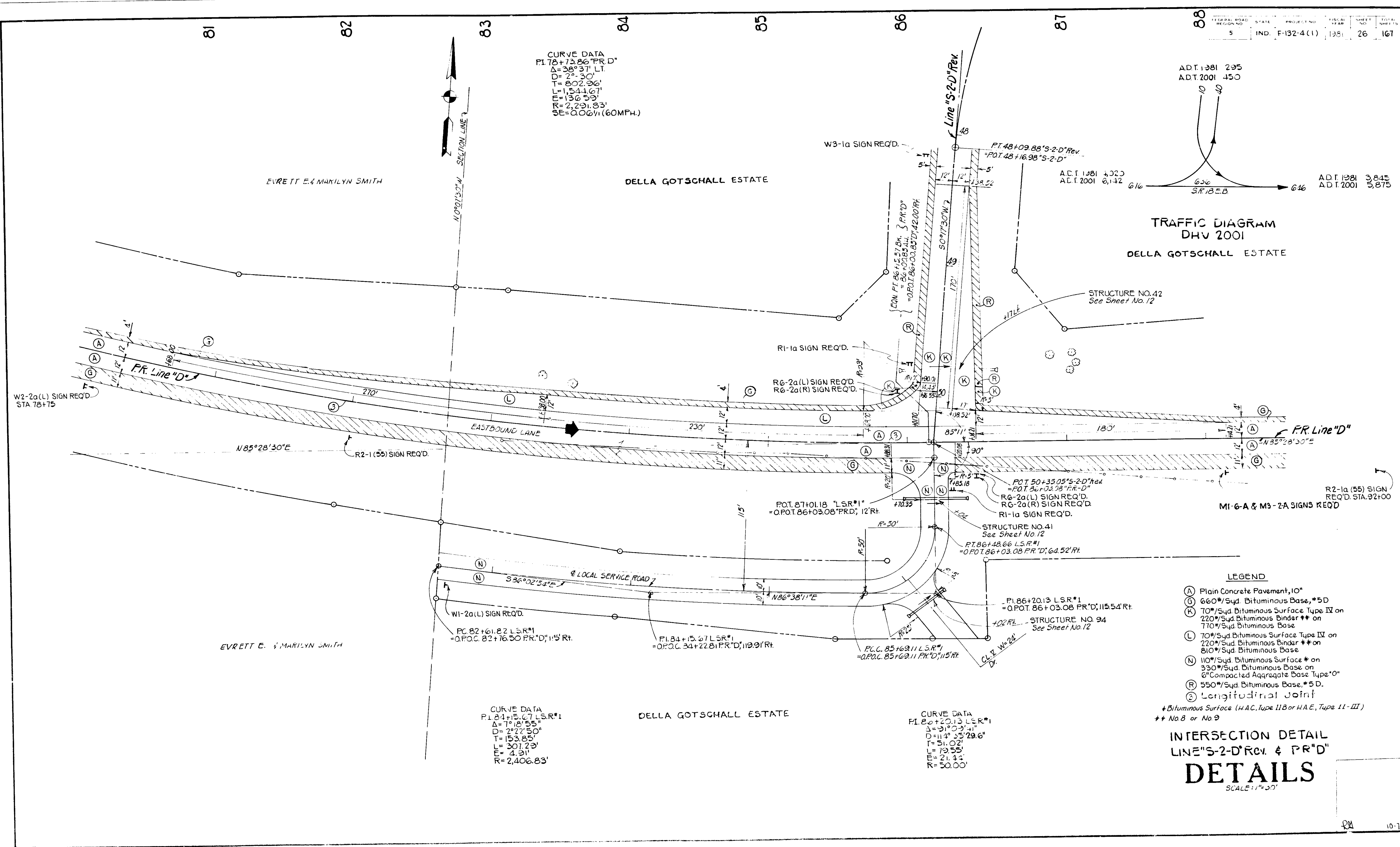
48 49 50 51 52 53 54 55 56 57

CURVE DATA
 P.I. 78+73.86 "P.R.D."
 $\Delta = 38^{\circ}37'11''$
 $D = 2^{\circ}30'$
 $T = 802.96'$
 $L = 1,544.67'$
 $E = 136.59'$
 $R = 2,291.83'$
 $SE = 0.06\% (60MPH.)$

ADT. 1981 295
 ADT. 2001 450

TRAFFIC DIAGRAM
 DHV 2001
 DELLA GOTSCHALL ESTATE

ADT. 1981 3,845
 ADT. 2001 5,875

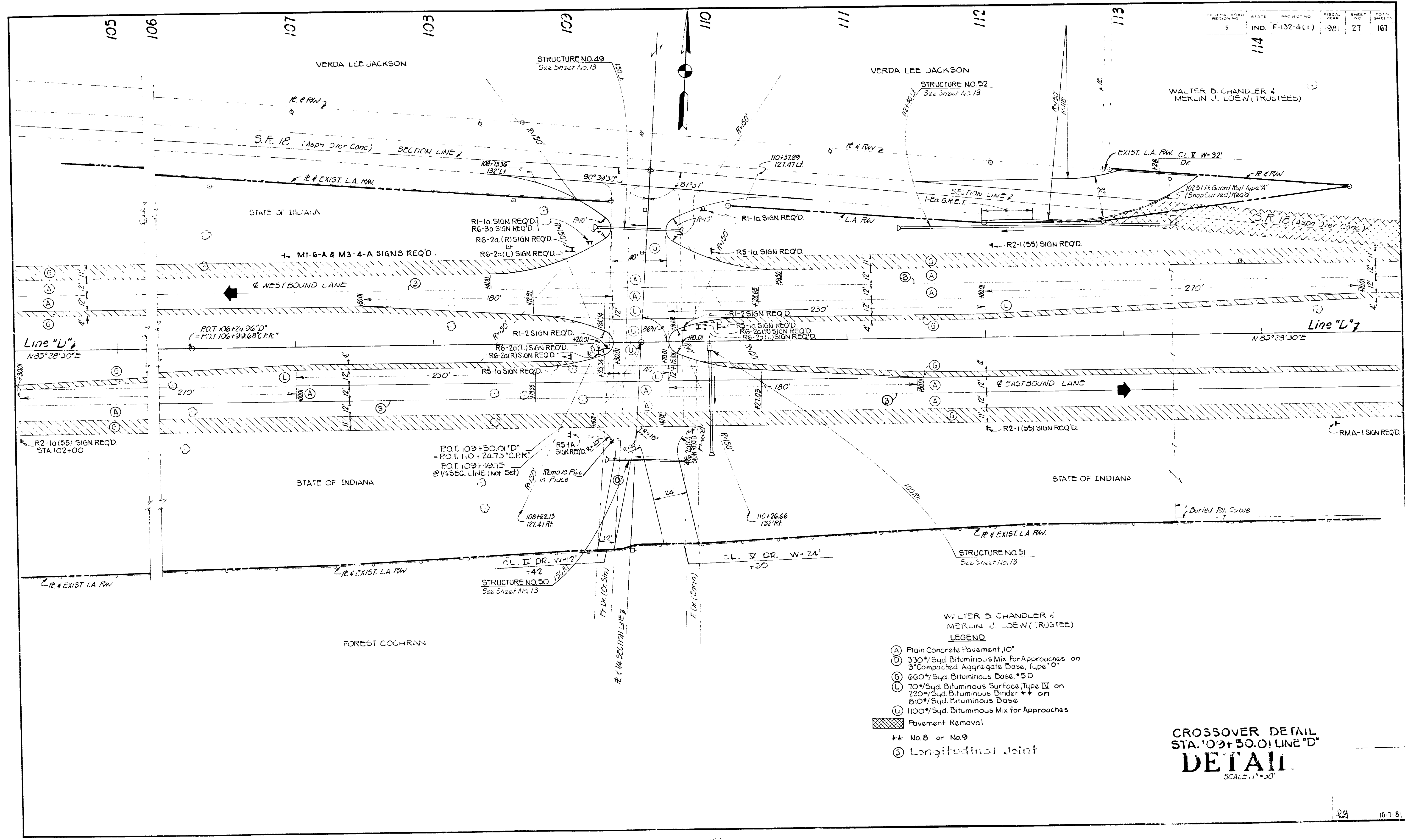


- LEGEND**
- (A) Plain Concrete Pavement, 10"
 - (B) 660#/Sqd. Bituminous Base, #5 D
 - (C) 70#/Sqd. Bituminous Surface Type IV on 220#/Sqd. Bituminous Binder ** on 770#/Sqd. Bituminous Base
 - (L) 70#/Sqd. Bituminous Surface Type IV on 220#/Sqd. Bituminous Binder ** on 810#/Sqd. Bituminous Base
 - (N) 110#/Sqd. Bituminous Surface * on 330#/Sqd. Bituminous Base on 6" Compacted Aggregate Base Type "O"
 - (R) 550#/Sqd. Bituminous Base, #5 D.
 - (S) Longitudinal joint
- * Bituminous Surface (H.A.C. Type 11B or H.A.E., Type 11-III)
 ** No. 8 or No. 9

INTERSECTION DETAIL
LINE "S-2-D" Rev. & PR "D"
DETAILS
 SCALE: 1"=30'

CURVE DATA
 P.I. 84+15.67 L.S.R.*1
 $\Delta = 19^{\circ}15'55''$
 $D = 2^{\circ}27'50''$
 $T = 153.85'$
 $L = 307.23'$
 $E = 4.91'$
 $R = 2,406.83'$

CURVE DATA
 P.I. 80+20.13 L.S.R.*1
 $\Delta = 91^{\circ}03'11''$
 $D = 114^{\circ}35'29.6''$
 $T = 51.02'$
 $L = 13.55'$
 $E = 21.44'$
 $R = 50.00'$



WALTER B. CHANDLER &
 MERLIN J. LOEW (TRUSTEE)
LEGEND

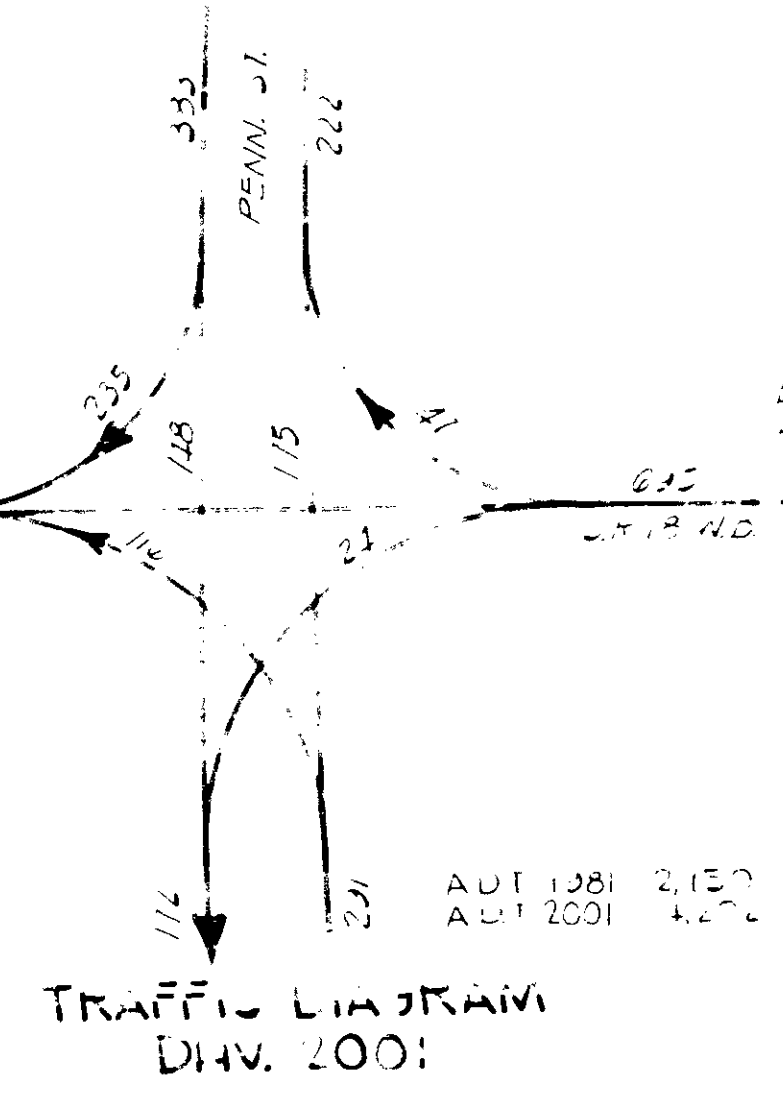
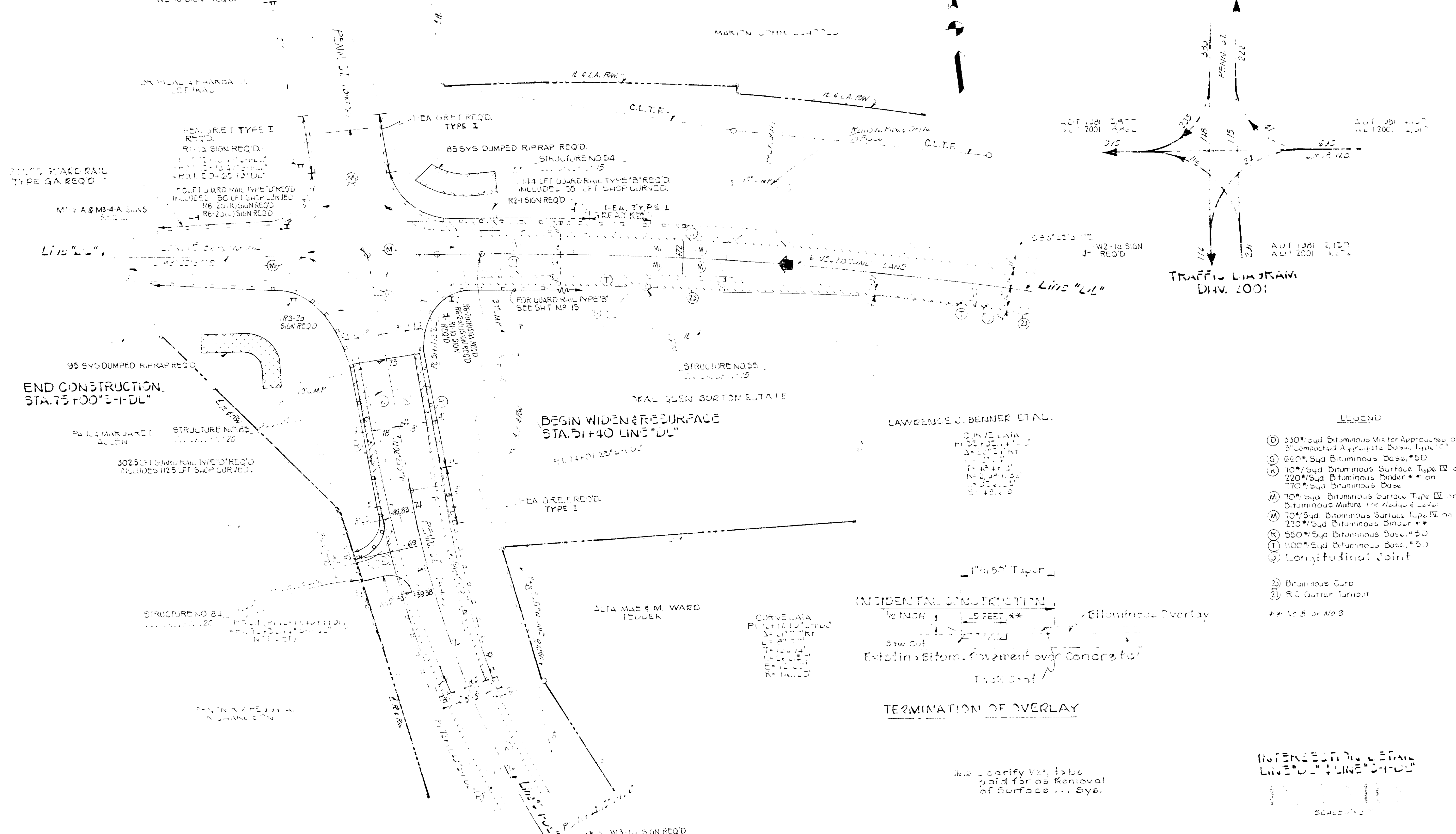
- (A) Plain Concrete Pavement, 10"
- (B) 330*/Sqd Bituminous Mix for Approaches on 3" Compacted Aggregate Base, Type "O"
- (C) 660*/Sqd Bituminous Base, #5D
- (L) 70*/Sqd Bituminous Surface, Type IV on 220*/Sqd Bituminous Binder ** on 810*/Sqd Bituminous Base
- (U) 1100*/Sqd Bituminous Mix for Approaches
- ▨ Pavement Removal
- ** No. 8 or No. 9
- (S) Longitudinal Joint

CROSSOVER DETAIL
 STA. 109+50.01 LINE "D"
DETAIL
 SCALE: 1"=50'

10-7-81

50 51 52 53 54 55

REV 9-29-82 CLTE Sta 511+50+ Line 011



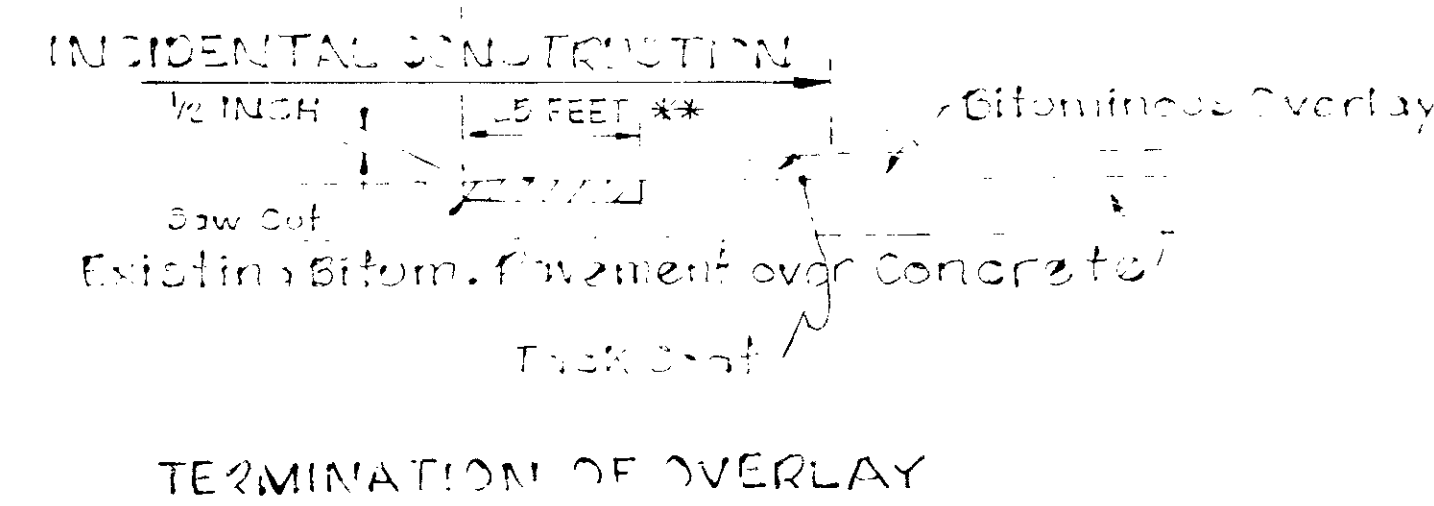
END CONSTRUCTION STA. 75+00 "E-I-DL"

BEGIN WIDEN & RESURFACE STA. 51+40 LINE "DL"

LAWRENCE J. BENNER ET AL.

LEGEND

- (D) 330#/Sqd Bituminous Mix for Approaches, on 3" Compacted Aggregate Base, Type "C"
- (G) 600#/Sqd Bituminous Base, #5D
- (K) 70#/Sqd Bituminous Surface, Type IV on 220#/Sqd Bituminous Binder, #5 on 770#/Sqd Bituminous Base
- (M) 70#/Sqd Bituminous Surface, Type IV on Bituminous Mixture, for Road & Level
- (N) 70#/Sqd Bituminous Surface, Type IV on 220#/Sqd Bituminous Binder, #5
- (R) 550#/Sqd Bituminous Base, #5D
- (T) 1100#/Sqd Bituminous Base, #5D
- (J) Longitudinal Joint
- (C) Bituminous Curo
- (2) RC Gutter Turnout
- ** to 8 or No 9



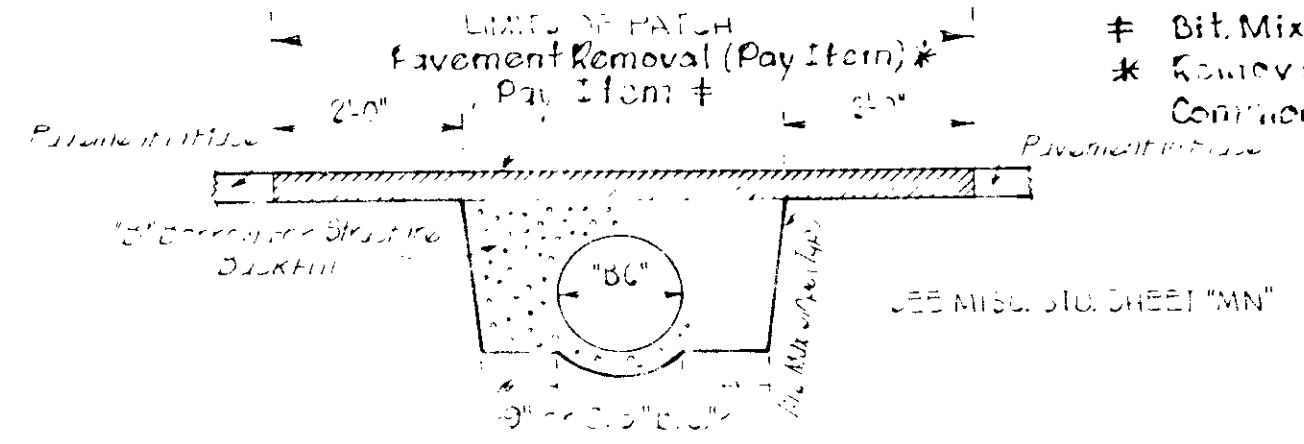
Clarify 1/2" to be paid for as Removal of Surface ... Syc.

INTERSECTION LEGAL LINE "DL" & LINE "D-I-DL"

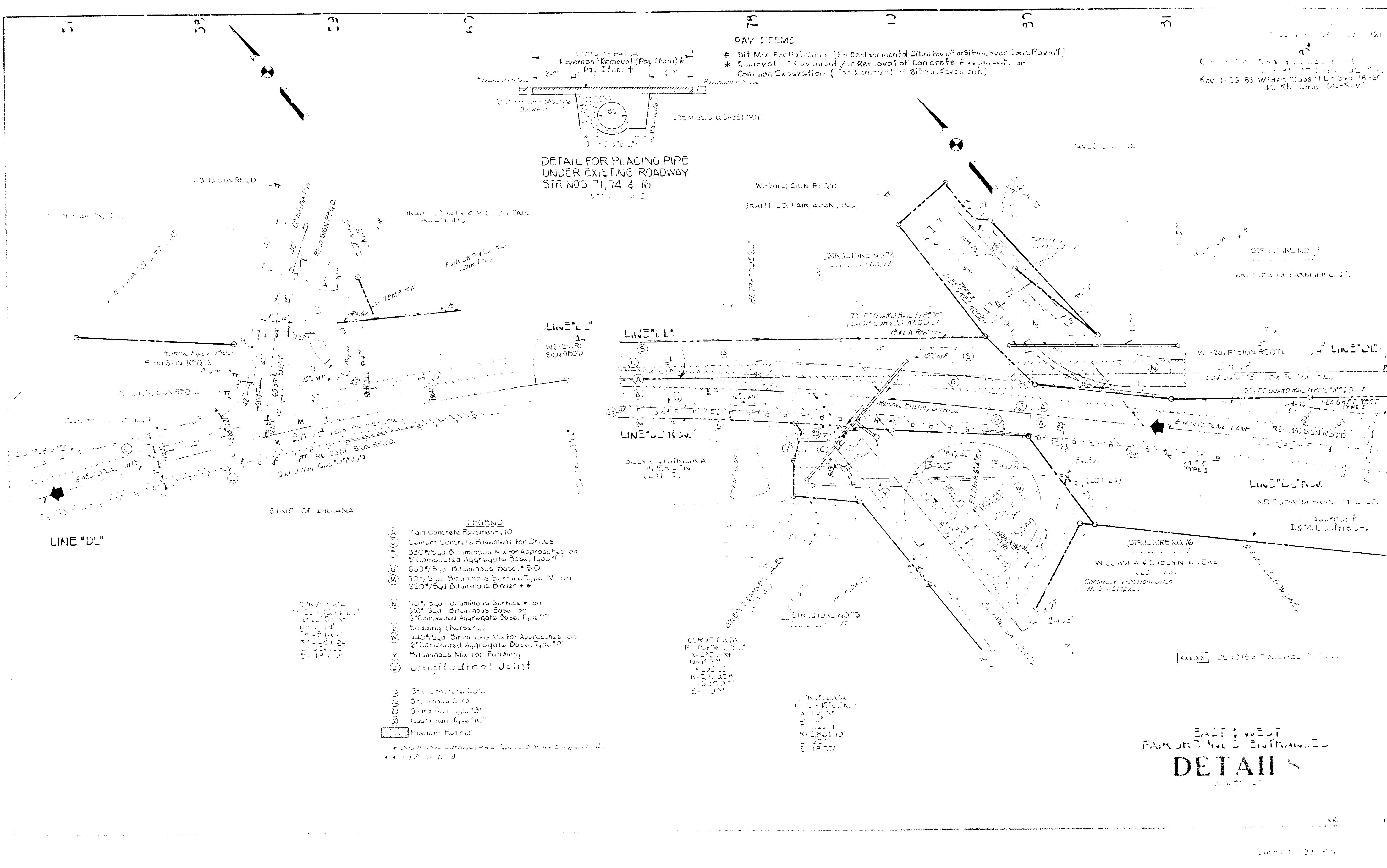
SCALE 1" = 40'

Rev. 1-23-83 Widen Class II On-Street Bldg
10' R/W Line DL-Krv.

PAY ITEMS
 # Bit. Mix For Patching (For Replacement of Bitum. Pav. or Bitum. over Conc. Pavmt.)
 * Removal of Pavment for Removal of Concrete Pavement, or Common Excavation (For Removal of Bitum. Pavment.)



DETAIL FOR PLACING PIPE UNDER EXISTING ROADWAY STR NOS 71, 74 & 76.
 ALL TO SCALE



- LEGEND**
- (A) Plain Concrete Pavement, 10"
 - (C) Cement Concrete Pavement for Drives
 - (P) 330#/Syd. Bituminous Mix for Approaches on 6" Compacted Aggregate Base, Type "C"
 - (G) 660#/Syd. Bituminous Base, * 5 D
 - (M) 70#/Syd. Bituminous Surface Type IV on 220#/Syd. Bituminous Binder **
 - (N) 110#/Syd. Bituminous Surface on 330#/Syd. Bituminous Base on 6" Compacted Aggregate Base, Type "D"
 - (W) Sealing (Nursery)
 - (V) 440#/Syd. Bituminous Mix for Approaches on 6" Compacted Aggregate Base, Type "D"
 - (Y) Bituminous Mix for Patching
 - (Z) Longitudinal Joint
 - (S) Set Concrete Curb
 - (B) Bituminous Curb
 - (13) Guard Rail Type "B"
 - (14) Guard Rail Type "A"
 - (X) Pavement Removal
 - * 220#/Syd. Surface Type III or IIIA (Type "C")
 - ** A.S.P. or W.S.P.

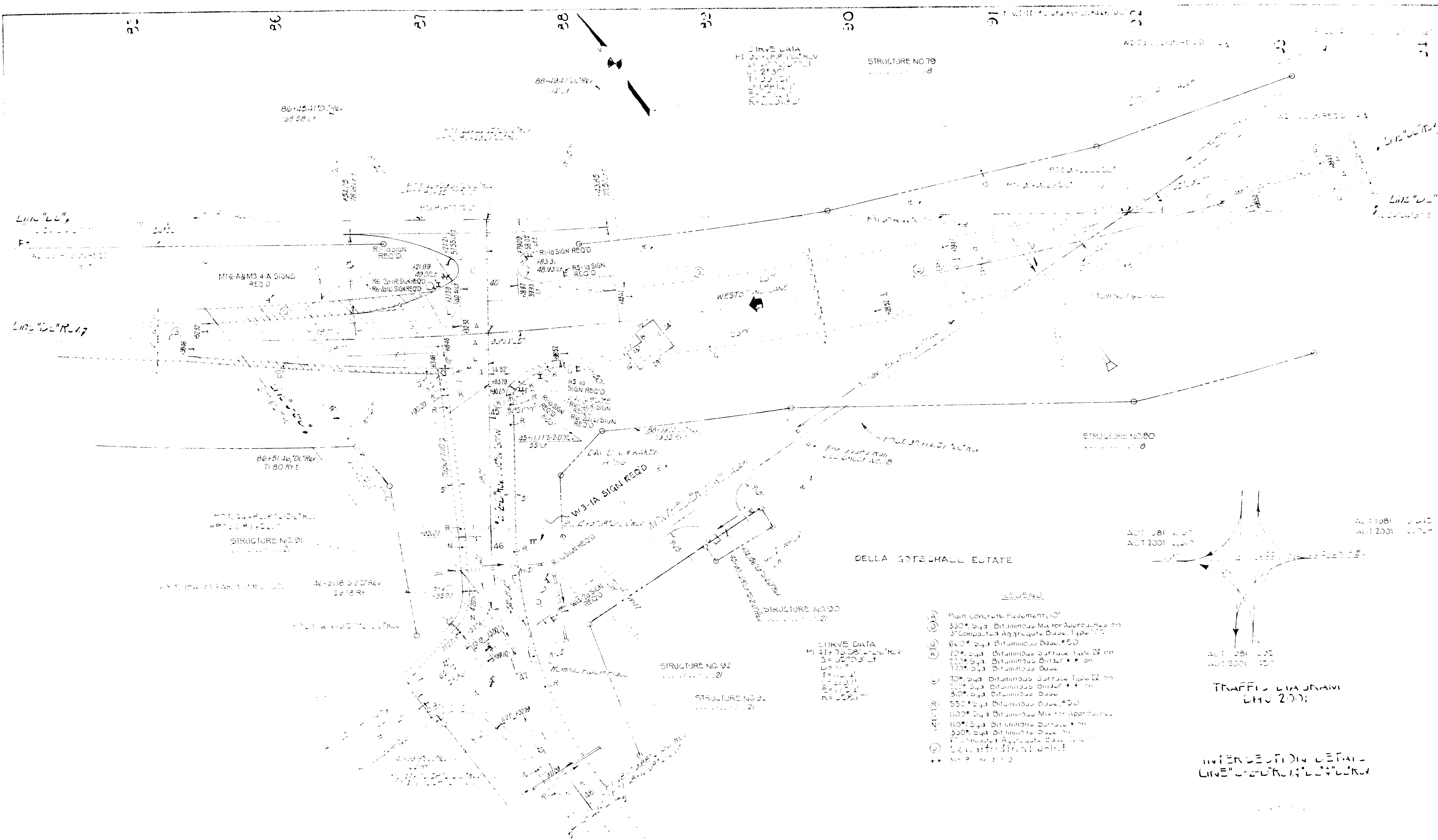
CURVE DATA
 P=120.00 FT
 Δ=112.00°
 L=112.00 FT
 T=63.00 FT
 M=31.50 FT
 E=63.00 FT

CURVE DATA
 P=120.00 FT
 Δ=112.00°
 L=112.00 FT
 T=63.00 FT
 M=31.50 FT
 E=63.00 FT

CURVE DATA
 P=120.00 FT
 Δ=112.00°
 L=112.00 FT
 T=63.00 FT
 M=31.50 FT
 E=63.00 FT

EAST & WEST
 PARK DRIVE & WEST
DETAIL
 SCALE 1"=20'

XXXXX DENOTES FINISHED ELEVATION



CURVE DATA
 PI 11+25.08 - L.L. REV
 Δ = 20.00° LT
 L = 23.00'
 E = 1.881'
 R = 26.81'

STRUCTURE NO. 79
 11+25.08

86+45.41'D Rev
 68.58 Rt

88+29.47'D Rev
 74.1

70.55 Lt
 42.93 Lt

M16-A&M3 4 A SIGNS
 REQ'D

R6 20' R SIGN REQ'D
 R6 20' L SIGN REQ'D

R10 SIGN REQ'D
 R5-10 SIGN REQ'D

WEST SIDE DRIVE

86+51.46'D Rev
 71.80 Rt

STRUCTURE NO. 91
 11+25.08

W13-1A SIGN REQ'D

STRUCTURE NO. 80
 11+25.08

DELLA GATTSCHALL ESTATE

46+51.85'D Rev
 59.78 Rt

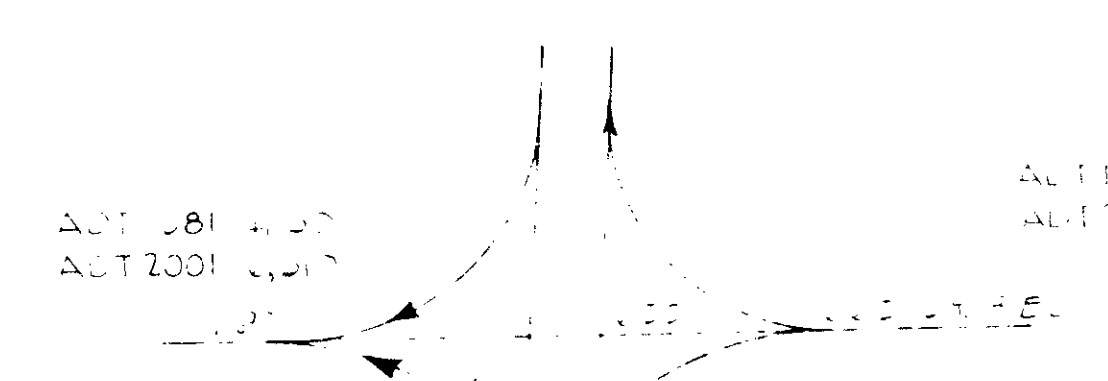
STRUCTURE NO. 90
 11+25.08

STRUCTURE NO. 92
 11+25.08

STRUCTURE NO. 93
 11+25.08

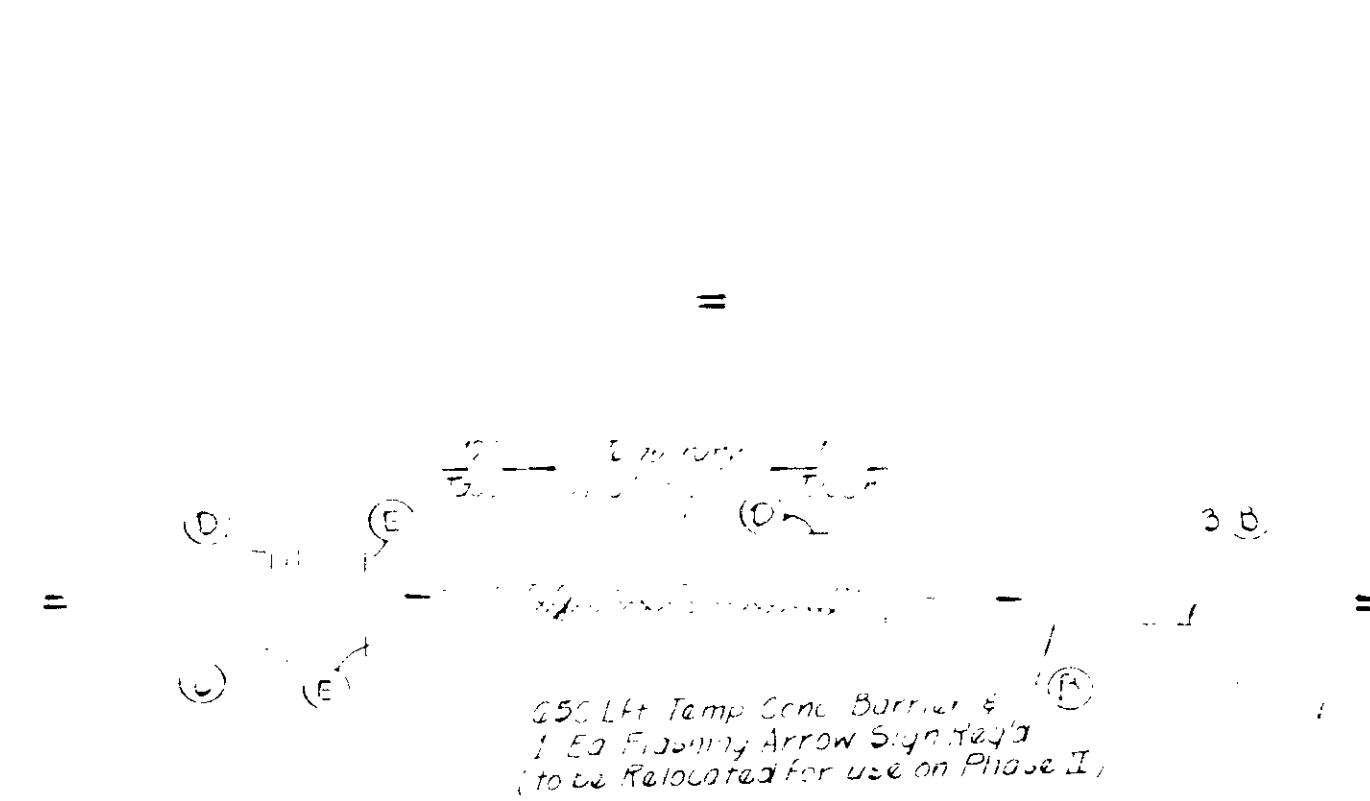
CURVE DATA
 PI 11+25.08 - L.L. REV
 Δ = 20.00° LT
 L = 23.00'
 E = 1.881'
 R = 26.81'

- LEGEND
- (P) Plain Concrete Pavement, 10"
 - (B) 350# 5/4 Bituminous Mix for Approaches on 3" Compact Aggregate Base, Type 1"
 - (C) 6x0# 5/4 Bituminous Base, #50
 - (D) 70# 5/4 Bituminous Surface Type II on 2 1/2" 5/4 Bituminous Binder #1 on 7 1/2" 5/4 Bituminous Base
 - (E) 70# 5/4 Bituminous Surface Type III on 2 1/2" 5/4 Bituminous Binder #1 on 5 1/2" 5/4 Bituminous Base
 - (F) 550# 5/4 Bituminous Base, #50
 - (G) 1100# 5/4 Bituminous Mix for Approaches
 - (H) 110# 5/4 Bituminous Surface #1 on 550# 5/4 Bituminous Base #1 on 6" Compact Aggregate Base #1 on 6" Compact Aggregate Base
 - (I) 20' x 20' x 20'



TRAFFIC DIAGRAM
 LINC "D" R.17

INTERSECTION DETAIL
 LINC "D" R.17



PHASE I CONSTRUCTION SEQUENCE

Construct temporary widening on north side of 4th Street from stations 30+00 to 35+00 "D" and temporary crossover type "B" at station 127+50 "D". Place traffic on temporary existing ramp over existing pavement from station 31+00 to approx. station 34+50 "D". (Relocate ramp along 4th Street and station 120+00 to station 126+00 "D" at existing overpass crossover).

Construct new access lanes from station 31+00 to station 126+00 "D". Rev. line on 4th from sta 31+00 to 37+00, along with bridge over Mississippi River. Also construct line "B-D" Pennsylvania Street, 1/2 mi. N. of station 54+11.55 along with "RR-D" or "S-D". Pennsylvania Street and 4th Street are closed to traffic during construction for the greatest time possible. The connection to 4th Street at station 38+00 "D" to be made also at this time.

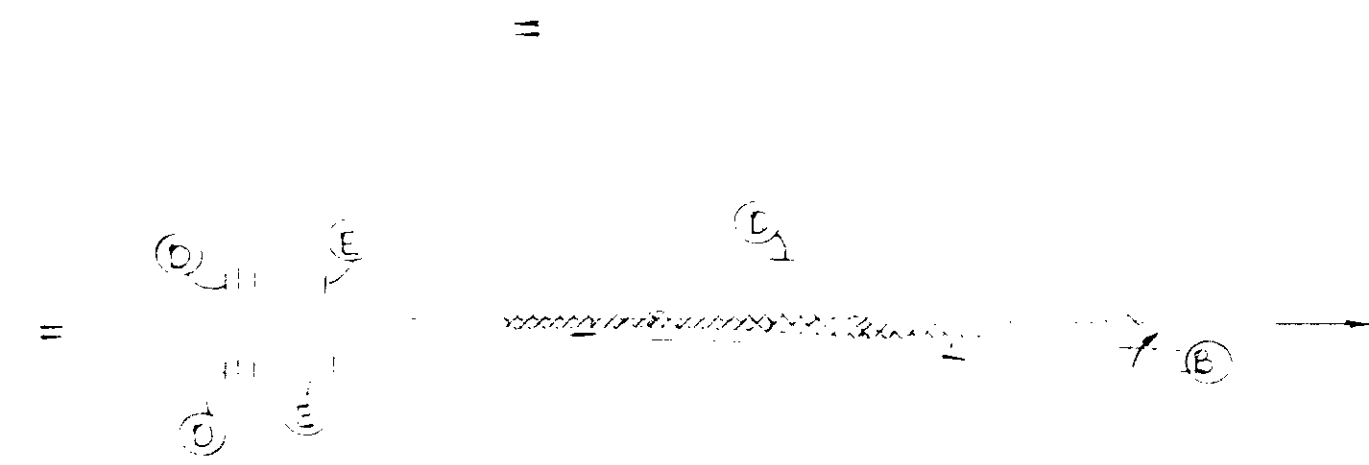
Construct all of line "D-D" Rev. along with portion of Westbound S.R. 18 from station 35+50 to station 37+00 "D" Rev. Also construct access roads Rev. at Sta. 36+03.08 "RR-D".



NOT TO SCALE UNLESS OTHERWISE SPECIFIED

- LEGEND**
- NEW HIGHWAY CONSTRUCTION
 - EXISTING HIGHWAY
 - EXISTING RAMP
 - RAMP
 - B STD BARRICADE TYPE 117/118 EA
 - C CONSTRUCTION SIGN TYPE A
 - E CONSTRUCTION SIGN TYPE B

PHASE I



PHASE II CONSTRUCTION SEQUENCE

Divert two-way traffic onto new eastbound lanes. From temporary crossover at station 127+50"DL to Pennsylvania Street at station 51+53". From this point westbound traffic will follow Pennsylvania Street to existing S.R. 18 for continuation into Monument. All eastbound traffic will utilize the new lanes from station 3+00 to station 51+53"DL.

Remove temporary widening and existing pavement from station 3+00 to 36+00"DL, and existing pavement station 113+50 to station 120+23.31"DL. Close Crossway and Eastway Drives at intersections with existing S.R. 8 and construct turnarounds. Remove existing pavement from Sta. 7+50 to Sta. 80+50"DL. Rebuild existing until continuation to intersection at station 80+50"DL.

Complete construction of eastbound lanes station 31+00 to 31+00"DL (Lt. lane only). Widen and resurface existing S.R. 18 from station 51+50 to station 11+50"DL (See Sp.Prov.). Construct new eastbound pavement from station 71+50 to station 85+50"DL. Rev. station 90+00 to station 102+3.00"DL Rev. and station 101+23.00 to station 122+23.31"DL. Remove temporary crossover at Sta. 127+50"DL and open up pavement to traffic.

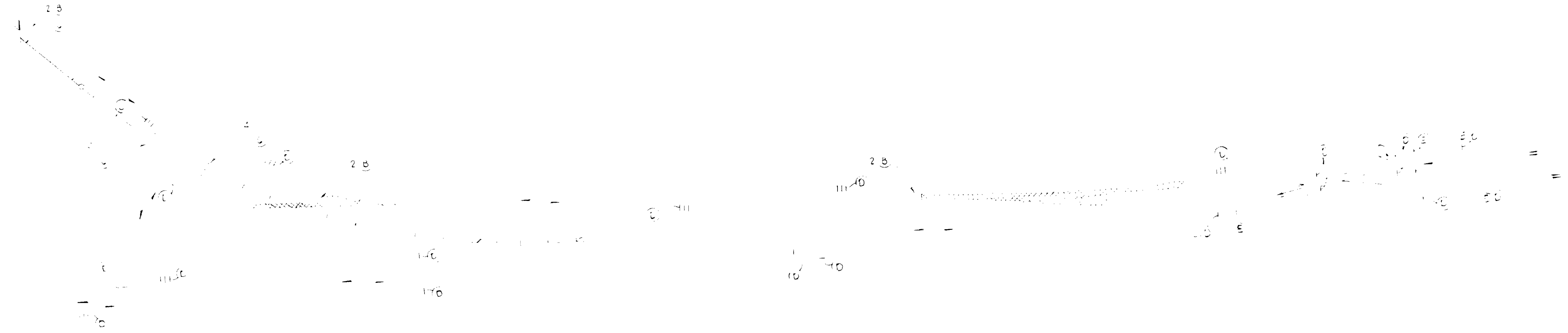
Throughout all phases of construction, local traffic within the project limits shall be maintained at all times by alternate one-way traffic, one-way, one-way, one-way, one-way, etc.



GRANT COUNTY FAIR ASSN, INC.

- LEGEND**
- ① CONSTRUCTION ZONE TYPE 1
 - ② CONSTRUCTION ZONE TYPE 2
 - ③ CONSTRUCTION ZONE TYPE 3
 - ④ CONSTRUCTION ZONE TYPE 4
 - ⑤ CONSTRUCTION ZONE TYPE 5
 - ⑥ CONSTRUCTION ZONE TYPE 6
 - ⑦ CONSTRUCTION ZONE TYPE 7
 - ⑧ CONSTRUCTION ZONE TYPE 8
 - ⑨ CONSTRUCTION ZONE TYPE 9
 - ⑩ CONSTRUCTION ZONE TYPE 10
 - ⑪ CONSTRUCTION ZONE TYPE 11
 - ⑫ CONSTRUCTION ZONE TYPE 12
 - ⑬ CONSTRUCTION ZONE TYPE 13
 - ⑭ CONSTRUCTION ZONE TYPE 14
 - ⑮ CONSTRUCTION ZONE TYPE 15
 - ⑯ CONSTRUCTION ZONE TYPE 16
 - ⑰ CONSTRUCTION ZONE TYPE 17
 - ⑱ CONSTRUCTION ZONE TYPE 18
 - ⑲ CONSTRUCTION ZONE TYPE 19
 - ⑳ CONSTRUCTION ZONE TYPE 20
 - ㉑ CONSTRUCTION ZONE TYPE 21
 - ㉒ CONSTRUCTION ZONE TYPE 22
 - ㉓ CONSTRUCTION ZONE TYPE 23
 - ㉔ CONSTRUCTION ZONE TYPE 24
 - ㉕ CONSTRUCTION ZONE TYPE 25
 - ㉖ CONSTRUCTION ZONE TYPE 26
 - ㉗ CONSTRUCTION ZONE TYPE 27
 - ㉘ CONSTRUCTION ZONE TYPE 28
 - ㉙ CONSTRUCTION ZONE TYPE 29
 - ㉚ CONSTRUCTION ZONE TYPE 30
 - ㉛ CONSTRUCTION ZONE TYPE 31
 - ㉜ CONSTRUCTION ZONE TYPE 32
 - ㉝ CONSTRUCTION ZONE TYPE 33
 - ㉞ CONSTRUCTION ZONE TYPE 34
 - ㉟ CONSTRUCTION ZONE TYPE 35
 - Ⓢ STD BARRICADE TYPE 1 (11' x 11')
 - Ⓣ STD BARRICADE TYPE 2 (11' x 8')
 - Ⓤ CONSTRUCTION SIGN TYPE 1
 - Ⓥ CONSTRUCTION SIGN TYPE 2

PHASE II



- LEGEND
- 10' WIDE CONCRETE
 - CONCRETE
 - TYPE I
 - B DTD BARRICADE TYPE I (10' x 10')
 - C DTD BARRICADE TYPE III (10' x 10')
 - D CONSTRUCTION SIGN TYPE A
 - E CONSTRUCTION SIGN TYPE B

PHASE II

DATE: 10/10/00

SHEET SIGN SUMMARY

TYPE I REFLECTIVE SHEETING	
QTY	AREA SQ. FT.
8	45.0
2	10.0
12	60.0
13	25.0

DIVIDED HIGHWAY			
QTY	TYPE	AREA SQ. FT.	AREA SQ. FT.
1	R2-3A	3.0	3.0

ROUTE MARKER			
QTY	TYPE	AREA SQ. FT.	AREA SQ. FT.
3	M1-2-A	9.0	54.0
3	M3-2-A	3.1	9.3
3	M2-4-A	3.1	1.0

197.6 54.0

TYPE I (Continued)			
QTY	TYPE	AREA SQ. FT.	AREA SQ. FT.
197.6		54.0	
197.6		54.0	

TYPE II REFLECTIVE SHEETING			
QTY	TYPE	AREA SQ. FT.	AREA SQ. FT.
18		18.0	
2		7.6	
6		54.0	
SIDE ROAD			
2	W2-2AL	9.0	18.0
2	W2-2AR	9.0	18.0
1		9.0	27.0
3		27.0	
NO OUTLET			
1	W14-2A	9.0	9.0
CROSS ROAD			
3	W2-1A	9.0	27.0
			295.8
			93.0
			334.8

TYPE II (Continued)			
QTY	TYPE	AREA SQ. FT.	AREA SQ. FT.
7		25.0	
			295.8
			93.0
			334.8

SIGN POST SUMMARY

24 34+35LF	D	R3-1A	15.0	15		27 107+35LF	DL	M1-2-A M3-4-A	16.5 17.5	34		27 107+35RF	D WBL	R2-2AR R2-2AL	15.0		15	
24 34+35LF	D	R1-1A	15.0 16.0	31		28 50+42LF	DL	R2-2AR R2-2AL	15.0		15	27 110+35RF	D WBL	R5-1A	15.0 16.0		31	
24 38+35LF	D	R2-2AL	15.0	15		28 50+47RF	DL	R2-2A	15.0		15	27 110+35LF	D WBL	R5-1A	15.0 16.0		31	
24 44+30 LF	D	R1-1(45)	15.0	15		28 50+55LF	DL	R1-1A	15.0 16.0		31	27 109+37LF	D WBL	R1-1A	15.0 16.0		31	
25 49+30RF	D	W2-1A	15.0 16.0	31		28 51+47RF	DL	R1-1A	15.0 16.0		31	27 112+30LF	D WBL	R2-1,55,	15.0		15	
25 52+30RF	D	R2-1(55)	15.0	15		28 51+42RF	DL	R2-2AR R2-2AL	15.0		15							
25 52+58LF	D	R2-2AL R2-2AR	15.0		15	28 52+30LF	DL	R2-1(45)	15.0		15	25 50+30RF	S-1-DL	W3-1A	15.0 16.0		31	
25 52+75LF	D	R1-1A	15.0 16.0	31		28 55+30LF	DL	W2-1A	15.0 16.0		31	25 54+30RF	S-1-DL	R1-1A	15.0 16.0		31	
25 54+70RF	D	R2-2AL R2-2AR	15.0		15	29 58+25LF	DL	R2-2AR	15.0		15	25 57+77RF	S-1-DL	R1-1A	15.0 16.0		31	
25 56+32RF	D	M1-2-A M3-2-A	16.5 17.5		34	29 58+35LF	DL	R1-1A	15.0 16.0		31	25 70+38 LF	S-1-DL	W3-1A	15.0 16.0		31	
26 78+75RF	D	W2-2AL	15.0 16.0	31		29 58+65RF	DL	R2-2AR	15.0		15	25 71+35RF	S-1-DL	W3-1A	15.0 16.0		31	
26 85+93LF	D	R2-2AL R2-2AR	15.0		15	29 60+30LF	DL	W2-2AR	15.0 16.0		31	25 77+60LF	S-1-DL	W3-1A	15.0 16.0		31	
26 86+05LF	D	R1-1A	15.0 16.0	31		29 59+10LF Fair Rd.		R1-1A	15.0 16.0		31	25 54+60LF	PR S2	W3-1A	15.0 16.0		31	
26 86+33RF	D	R1-1A	15.0 16.0	31		29 61+90LF DL Rev.		R2-1(45)	15.0		15	25 55+50LF	PR S2	W1-2AL	15.0 16.0		31	
26 86+50RF	D	R2-2AL R2-2AR	15.0		15	29 62+10LF	DL	W1-2AR	15.0 16.0		31	30 46+35LF	S-2-D	R1-1A	15.0 16.0		31	
26 82+50RF	LDR	W1-2AL	15.0 16.0	31		30 84+00RF	DL	W2-2AR	15.0 16.0		31	30 46+30LF	S-2-D	W3-1A	15.0 16.0		31	
26 83+15RF	D	M1-2-A M3-2-A	16.5 17.5		34	30 86+00LF	DL Rev.	M1-2-A M3-4-A	16.5 17.5		34	30 46+50LF	S-2-D	W14-2A	15.0 16.0		31	
26 92+30RF	D	R2-1(55)	15.0	15		30 87+30 LF	DL Rev.	R2-2AR R2-2AL	15.0		15	30 47+00RF	S-2-D	R1-1A	15.0 16.0		31	
27 102+30	DEBL	R2-1(55)	15.0	15		30 87+00LF	DL Rev.	R1-1A	15.0 16.0		31	26 48+15RF	S-2-D	W3-1A	15.0 16.0		31	
27 107+30LF	D EBL	R5-1A	15.0 16.0		31	30 87+10RF	DL Rev.	R1-1A	15.0 16.0		31	26 49+75RF	S-2-D	R1-1A	15.0 16.0		31	
27 107+30RF	D EBL	R5-1A	15.0 16.0		31	30 87+85RF	DL Rev.	R2-2AR R2-2AL	15.0		15							
27 107+20LF	D EBL	R2-2AL R2-2AR	15.0		15	30 88+05RF	DL Rev.	R5-1A	15.0 16.0		31							
27 109+30LF	D EBL	R1-1A	15.0 16.0	31		30 88+05LF	DL Rev.	R5-1A	15.0 16.0		31							
27 109+35RF	D EBL	R2-2AL	15.0	15		30 87+85LF	DL Rev.	R1-1A	15.0 16.0		31							
27 114+30RF	D EBL	R2-1(55)	15.0	15		30 93+00LF	DL	W2-2AL	15.0 16.0		31							
27 114+50RF	D EBL	M1-2-A M3-4-A	16.5 17.5		34	27 94+00LF	DL Rev.	W2-1A	15.0 16.0		31							
						27 107+30LF	D WBL	M1-2-A M3-4-A	16.5 17.5		34							
						27 109+30LF	D WBL	R2-2AR R2-2AL	15.0		15							
						27 109+30 LF	D WBL	R1-1A R2-2A	15.0 16.0 14.0		31 14							
						27 109+60RF	D WBL	R1-1A	15.0 16.0		31							

485 50 - 15
 383 164 - 15
 554 134 - 15
 1401 377 - 105
 1401

308 124 - 75

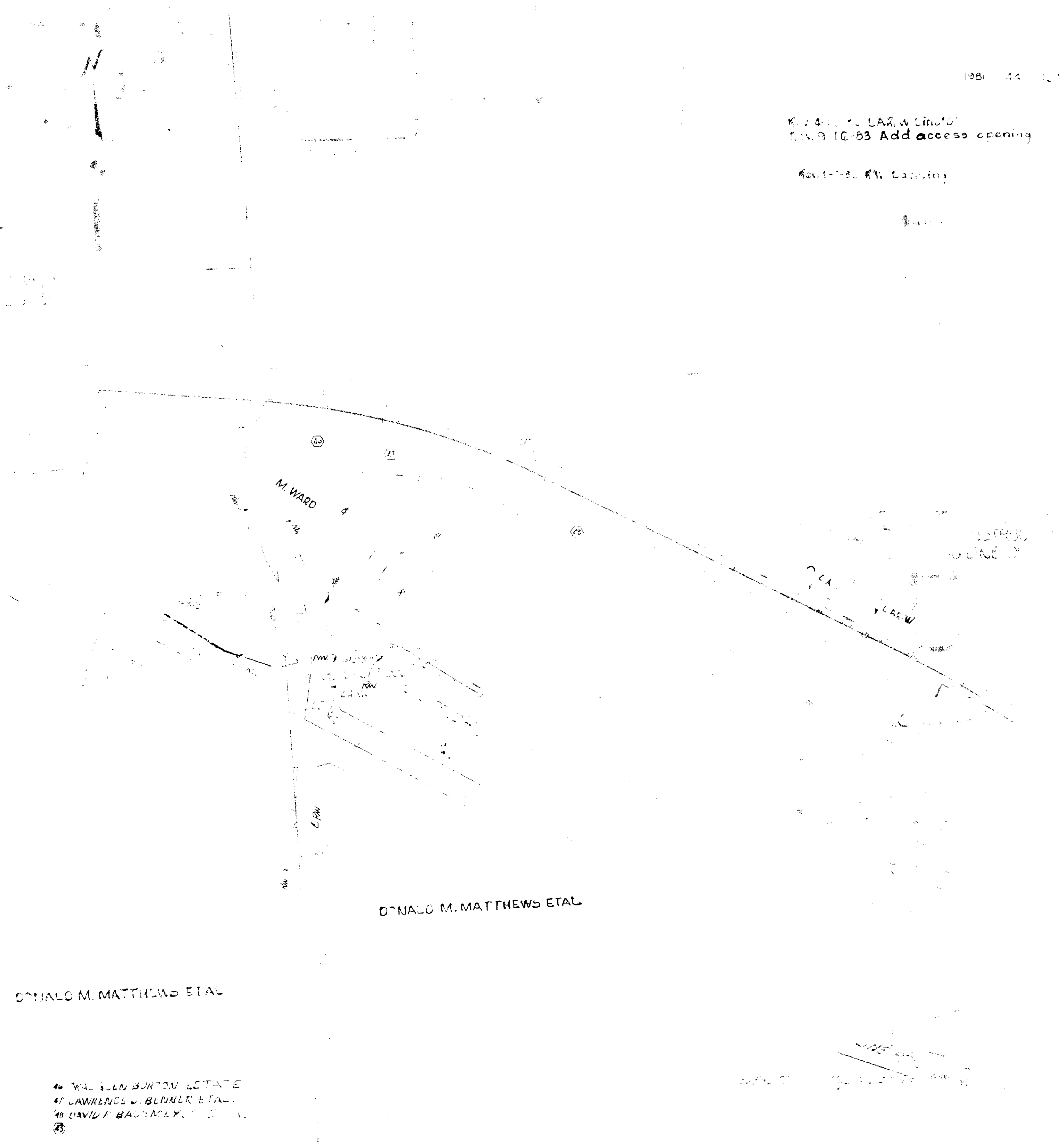
554 164 - 70

REV 4-11-70 LAW LINE '01
REV 9-10-83 Add access opening

REV 1-28-84 NW Corning

OF MAPION IND.
2000 100 000000

MARKING HOTEL ACCOUNTIES
010



DONALD M. MATTHEWS ETAL

DONALD M. MATTHEWS ETAL

- 46 MRS ELLEN BURTON LOTATE
- 47 LAWRENCE D. BURNER ETAL
- 48 DAVID F. BAUTACEY ETAL

THOMAS H. HEARNE ETAL

THOMAS H. HEARNE ETAL

LINE 01

100 100 100 100

100 100 100 100

ENR 100 100
100 100 100 100
100 100 100 100
100 100 100 100

100 100 100 100

Rev 1

Rev 2

Rev 3

DELLA GOTSCHALL

