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FEDERAL ROAD DISTRICT NO.	STATE	FED. PROJ. NO.	FUND. YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	284	1936	1	92

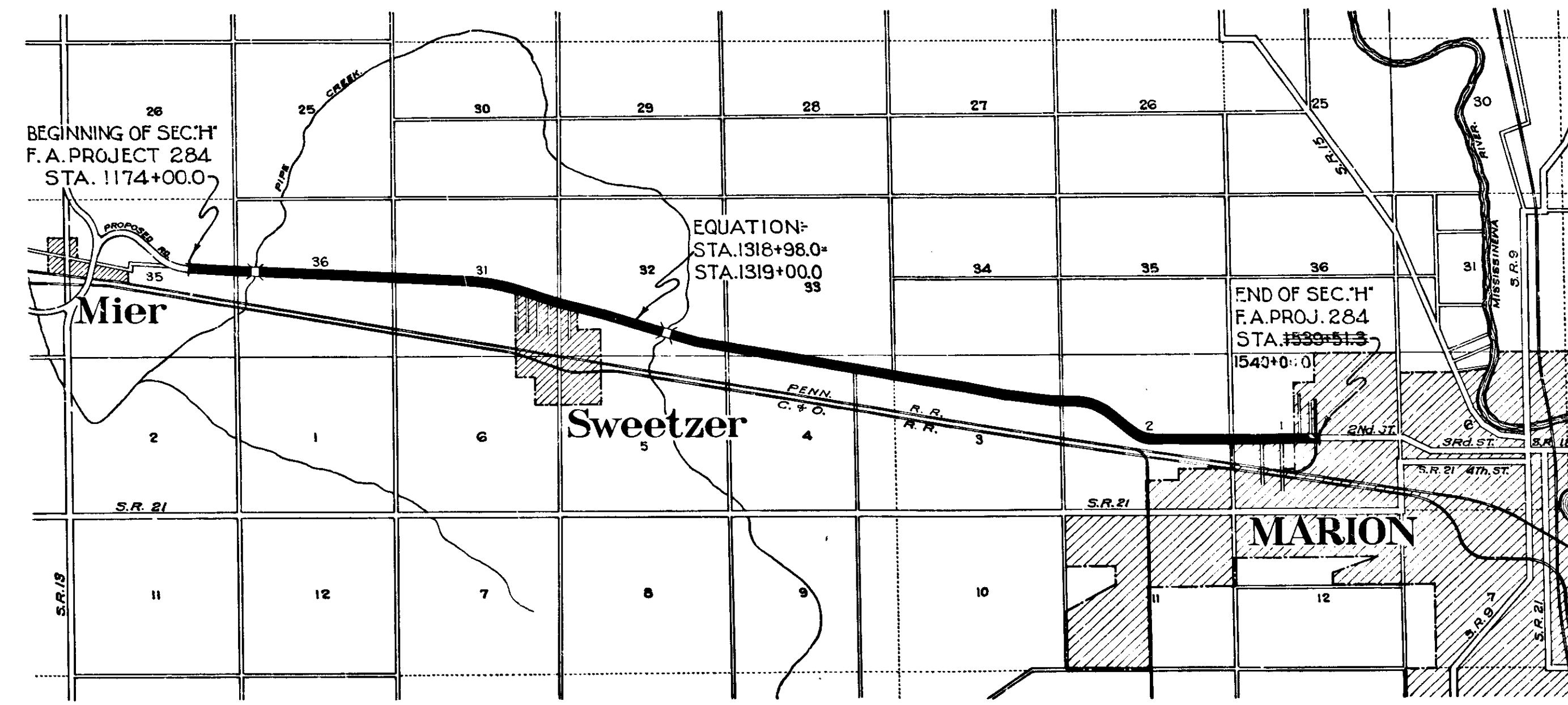
SECTION: "H"

**STATE OF INDIANA
STATE HIGHWAY COMMISSION**

**PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
F.A. PROJECT NO. 284 SEC. H (1936)
MARION-PERU ROAD**

BEGINNING AT A POINT APPROX. 1440 FT. WEST OF THE EAST LINE OF SEC. 35-T 25N-R 6E AND RUNNING SOUTH EAST THRU SWEETZER TO A POINT ON SECOND STREET APPROX. 48.7 FT. EAST OF THE EDGE OF BRICK PVMT. IN PLACE APPROX. 365 FT. EAST OF THE CENTER LINE OF SHORT ST. IN MARION IN GRANT COUNTY. 216.7

GROSS LENGTH: 6.822 MI. 6.931
NET LENGTH: 6.837 MI. 6.847
SCALES:
PLAN LONG: 1"=100' PROFILE HORIZ: 1"=100'
TRANS: 1"=100' VERT: 1"=10' MAX. GRADE 1.900%



REVISIONS

DATE	SHEET NO.	REVISED
11-12-35	1-3-11	Length of Proj., Typ. Sec.
1-6-17-18		Grade and Quantities, Detail.
11-19-35	13-14-18-19	Structures & Quantities.
11-15-35	2-10-11-18-19	Gr. Sec., Structures, Quantities.
3-2-36	8-11-15	R/W
5-29-36	8-17	R/W

Scale 1"=3000'

APPROVED AND ADOPTED BY STATE HIGHWAY COMMISSION OF INDIANA

James D. Riley
CHIEF ENGINEER STATE HIGHWAY COMMISSION OF INDIANA

APPROVED

RECOMMENDED FOR APPROVAL

RECOMMENDED FOR APPROVAL

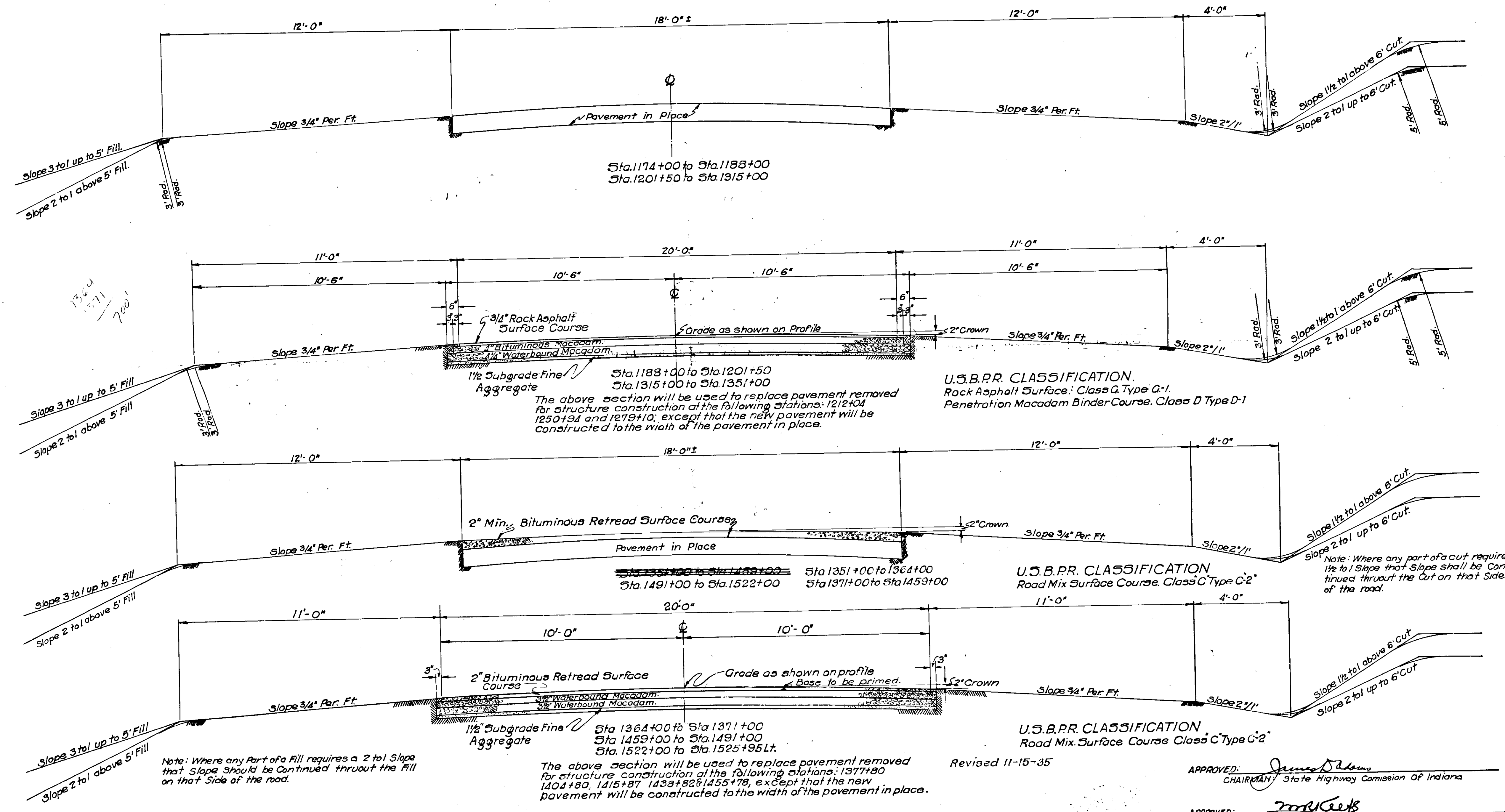
APPROVED

STATE HIGHWAY COMMISSION OF INDIANA.
STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION DATED MARCH, 1935,
AND ADDENDUM NO. 1, ON FILE WITH U. S. BUREAU OF PUBLIC
ROADS TO BE USED WITH THESE PLANS.

Revised 11-12-35 Revised 11-15-36

FEDERAL ROAD DISTRICT NO.	STATE	FED AID PRO. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	234	1936	2	38

SEC 74

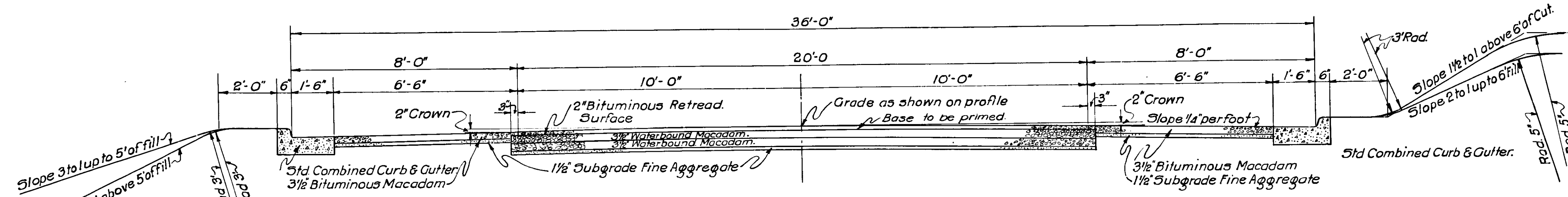


TYPICAL CROSS SECTIONS

C.E.T. 12-15-35

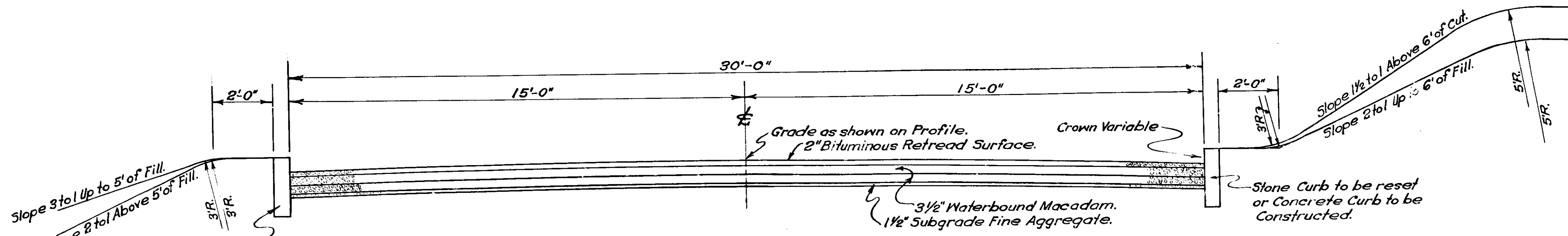
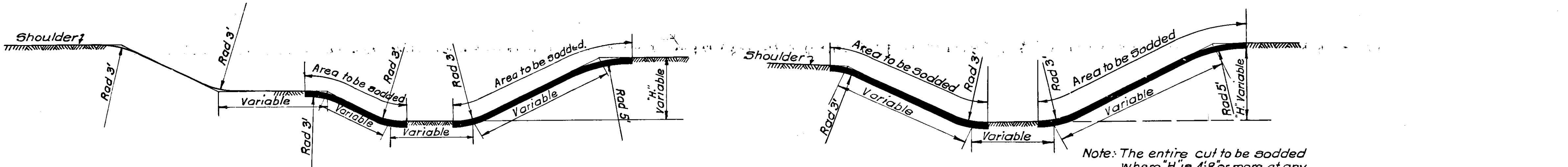
FEDERAL ROAD DISTRICT NO.	STATE	FEDERAL AID FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	284	3	32

Sec. H



Sta 1522+00 TO Sta. 1539+51.3 Rt.
Sta. 1525+95 Lt. to Sta. 1539+51.3 Lt.

U.S.B.P.R. CLASSIFICATION.
Road Mix Surface Course: Class C, Type C-2
Penetration Macadam Surface Course: Class D, Type D-1.



Sta. 1539+51.3- Sta 1540+00.0

TYPICAL CROSS SECTION

AND
SPECIAL SODDING DETAILS
Scale 1/2" = 1'-0"

APPROVED: *J. D. Adams*
CHAIRMAN, State Highway Commission of Indiana

APPROVED: *m. Keefe*
CHIEF ENGINEER, State Highway Commission of Indiana.

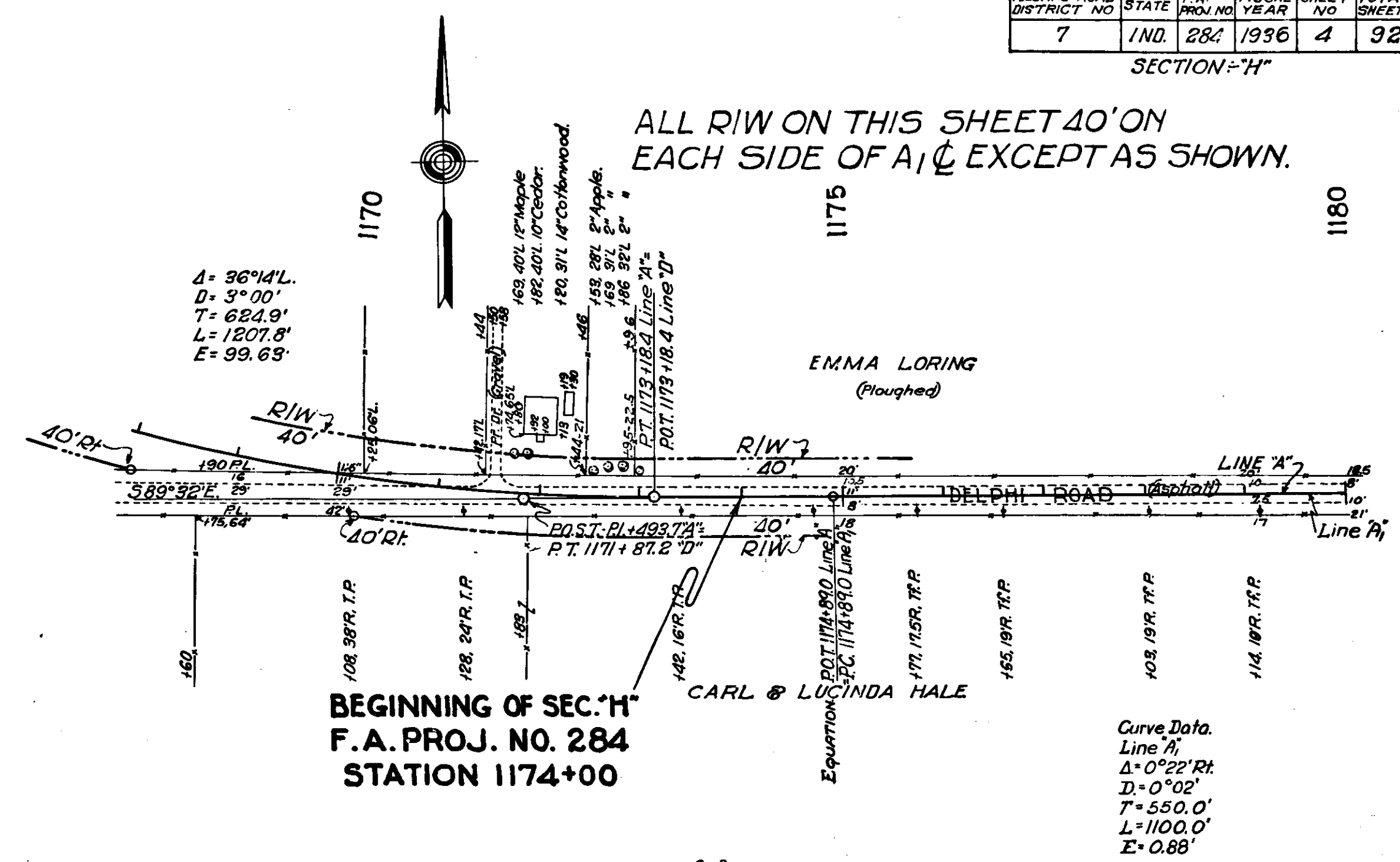
Revised 11-12-35

C. E. K. 10-18-35

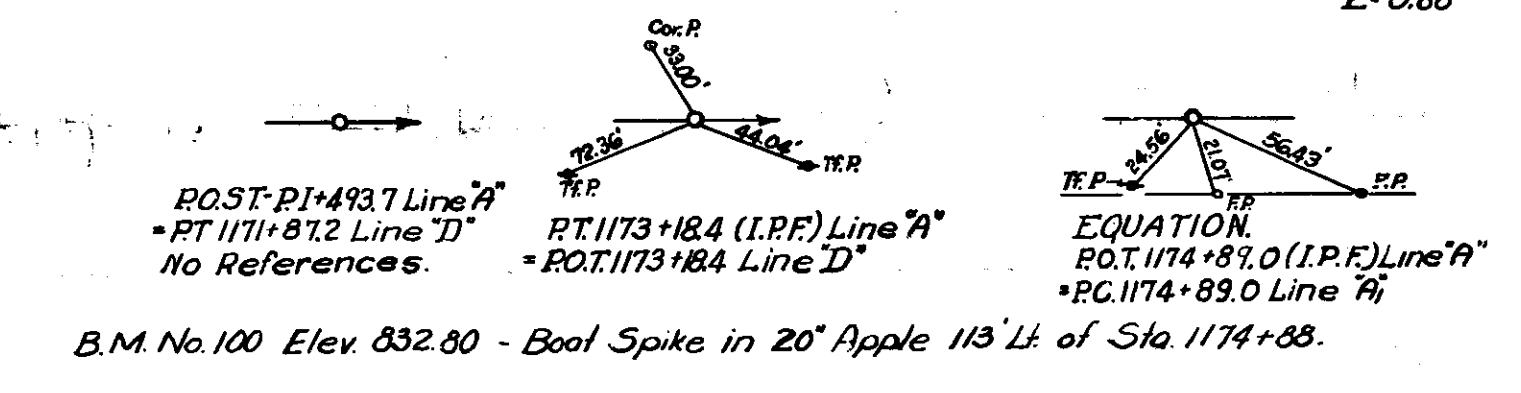
FEDERAL ROAD DISTRICT NO.	STATE	F.A. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	284	1936	4	92

SECTION="H"

ALL RIW ON THIS SHEET 40' ON EACH SIDE OF A₁C EXCEPT AS SHOWN.

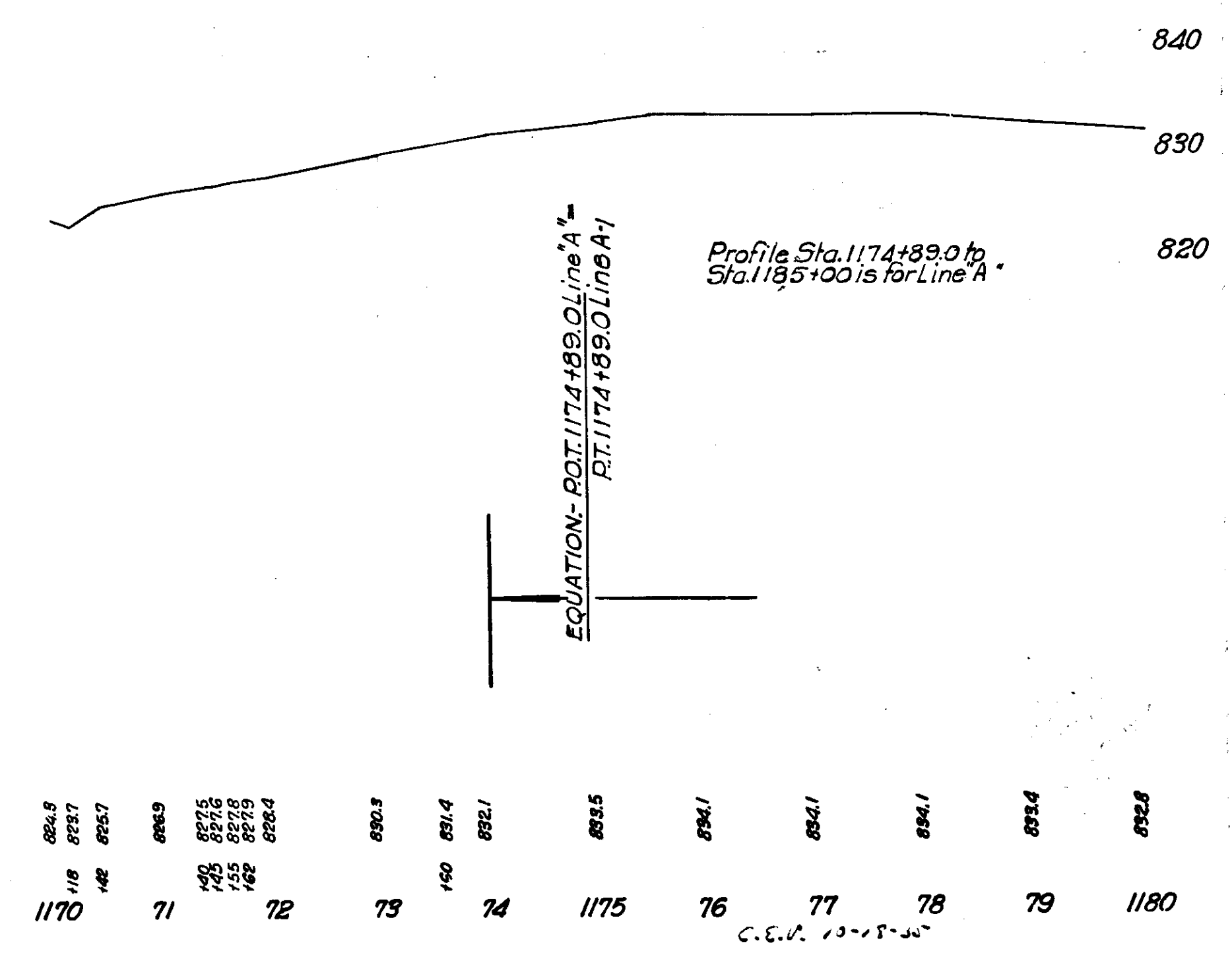


BEGINNING OF SEC. "H"
F.A. PROJ. NO. 284
STATION 1174+00



TYPICAL PAVING SECTIONS AS SHOWN ON SHEETS NO. 2 AND 3 TO BE USED ON THIS PROJECT EXCEPT THAT 8' SHOULDERS SHALL BE CONSTRUCTED WHERE SHOWN ON PLAN AND PROFILE.

State Highway Commission of Indiana Standard Specifications for Road Construction Dated March 1935 and Addendum No. 1 Shall apply in the construction of this Project.
Standards under dates as listed in Index on Title Sheet shall apply in the construction of this Project.
Where new Grade Line is shown, Grade Line represents top of finished pavement.
At all road approaches, where Crushed Stone or Gravel Surface is required the Contractor shall salvage that portion of metal in place as directed by the Engineer.
The crown will be taken out of all curves over 2°
Top of all castings within the pavement limits shall be constructed 1/4" below proposed surface.



824.5	823.7	825.7	826.9	827.5	827.8	827.9	828.4	830.3	831.4	832.1	833.5	834.1	834.1	834.1	834.4	832.8
1170	71	72	73	74	1175	76	77	78	79	1180						

2-31
5-35

T. H. Wright
Melvin
E. B. Jones

2222

2-31
5-35

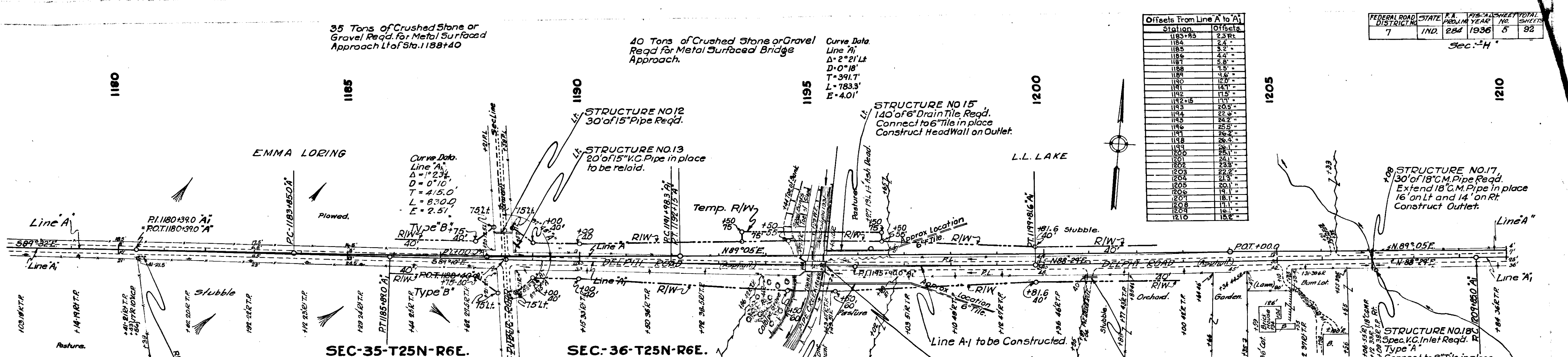
T. H. Wright
Melvin
E. B. Jones

2276

T.M. Wright
S. J. G. Gandy
6/10/32

T.M. Wright
S. J. G. Gandy
6/10/32

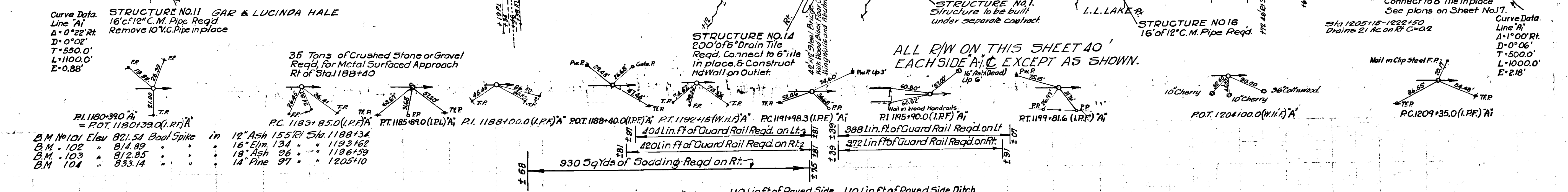
22716



Offsets From Line A' to A

Station	Offset
1183+85	2.3 Rt.
1184	2.4
1185	2.4
1186	2.4
1187	2.4
1188	2.4
1189	2.4
1190	2.4
1191	2.4
1192	2.4
1193	2.4
1194	2.4
1195	2.4
1196	2.4
1197	2.4
1198	2.4
1199	2.4
1200	2.4
1201	2.4
1202	2.4
1203	2.4
1204	2.4
1205	2.4
1206	2.4
1207	2.4
1208	2.4
1209	2.4
1210	2.4

FEDERAL ROAD DISTRICT: 7
STATE: IND.
P.A. YEAR: 22d 1936
SHEET NO.: 5
TOTAL SHEETS: 32
Sec. 25H



Station	Elevation	Notes
1178	834.1	
79	833.4	
1180	831.4	
81	832.1	
82	831.5	
83	830.4	
84	829.1	
1185	817.0	
86	816.1	
87	814.9	
88	813.7	
89	812.9	
1190	810.5	
91	810.6	
92	811.1	
93	811.4	
94	811.4	
1195	811.5	
96	811.5	
97	811.7	
98	812.1	
99	812.9	
1200	813.9	
01	814.9	
02	815.0	
03	815.6	
04	816.6	
1205	817.9	
06	818.0	
07	818.0	
08	818.0	
09	818.0	
1210	818.0	

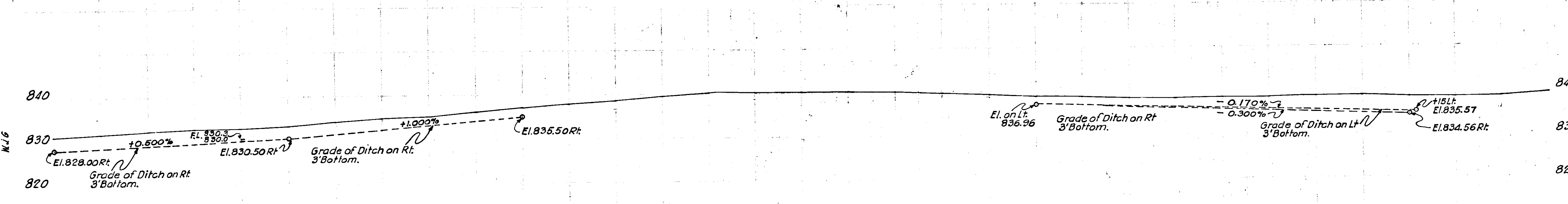
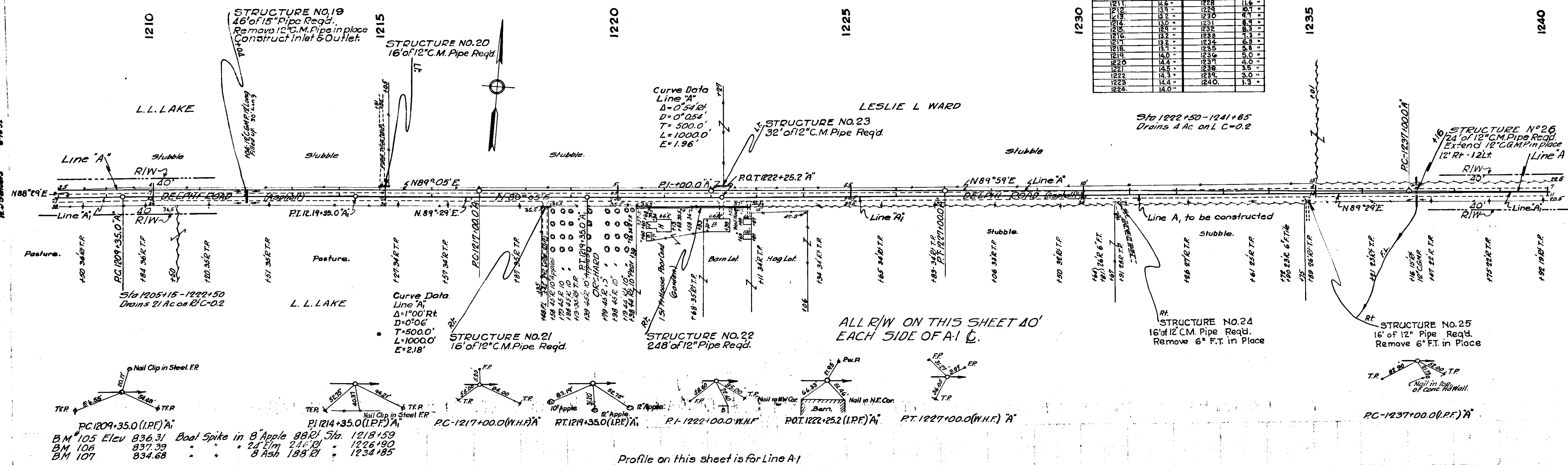
2273
T.H. Wright
S. Elmer Hunt
M.J. Gardner
6-16-32

2276
T.H. Wright
C. W. Gardner
6-14-32

Offsets From Line 'A' to 'A'			
Station	Offset	Station	
1208	11.1	1225	11.1
1209	11.1	1226	11.1
1210	11.1	1227	11.1
1211	11.1	1228	11.1
1212	11.1	1229	11.1
1213	11.1	1230	11.1
1214	11.1	1231	11.1
1215	11.1	1232	11.1
1216	11.1	1233	11.1
1217	11.1	1234	11.1
1218	11.1	1235	11.1
1219	11.1	1236	11.1
1220	11.1	1237	11.1
1221	11.1	1238	11.1
1222	11.1	1239	11.1
1223	11.1	1240	11.1
1224	11.1	1241	11.1

FEDERAL ROAD DISTRICT NO.	STATE	P.A. PROJECT YEAR	SHEET NO.	TOTAL SHEETS
7	IND.	282	6	92

Sec. - H.



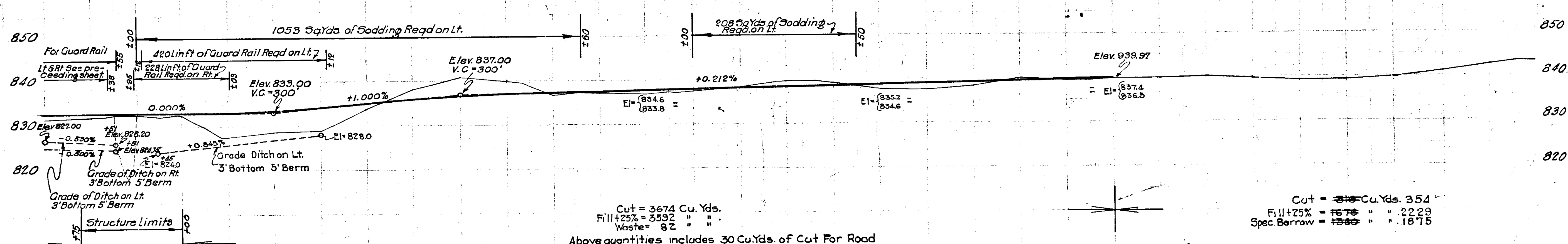
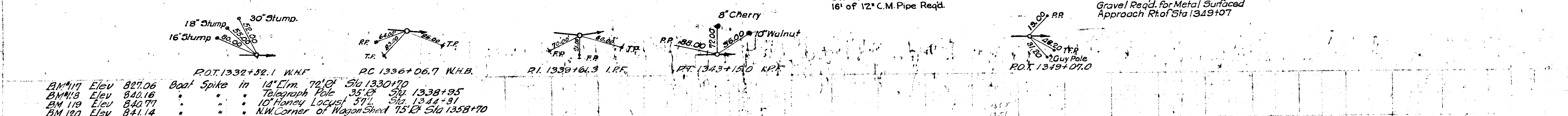
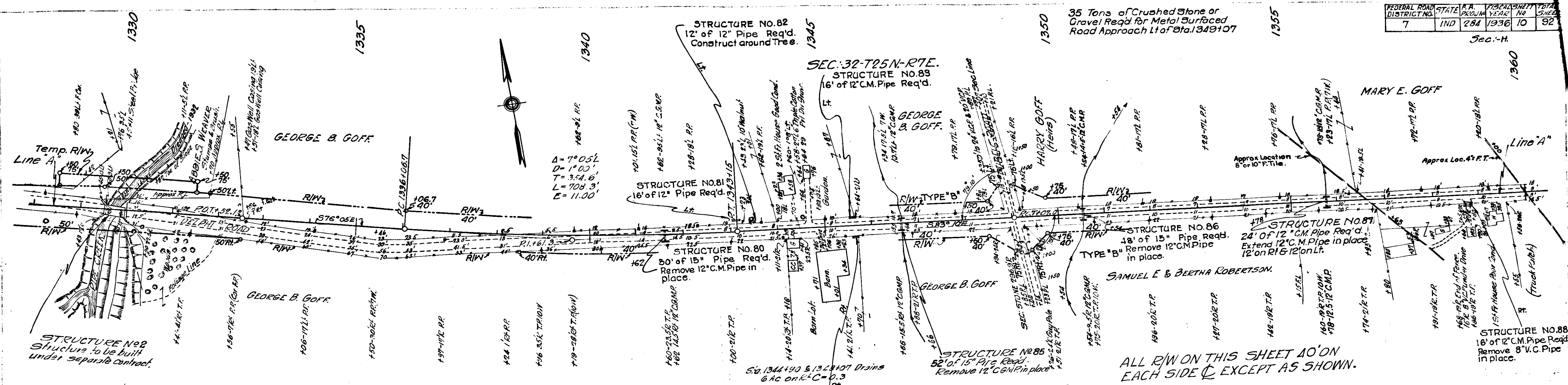
Cut = 203 Cu.Yds.
Fill + 25% = 1059 Cu.Yds.
Spec. Borrow = 856 Cu.Yds.

Cut = 574 Cu.Yds.
Fill + 25% = 1522 Cu.Yds.
Spec. Borrow = 828 Cu.Yds.

831.0	831.5	832.1	832.6	832.8	833.2	834.1	834.7	835.1	836.1	837.2	837.8	838.5	839.5	840.2	840.5	840.3	840.2	840.1	840.1	840.0	839.8	839.3	838.9	838.8	838.6	838.4	838.2	838.3	838.2	838.5	838.5	838.5	838.8	838.3	838.3	838.3	838.2	838.4	838.1	838.1
1208	09	1210	11	12	13	14	1215	16	17	18	19	1220	21	22	1223	24	23	24	1225	26	27	28	29	1230	31	32	33	34	1235	36	37	38	39	1240						

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	IND	284	1936	10	92

Sec. 1-H



831.9	832.1	832.3	832.5	832.7	832.9	833.1	833.3	833.5	833.7	833.9	834.1	834.3	834.5	834.7	834.9	835.1	835.3	835.5	835.7	835.9	836.1	836.3	836.5	836.7	836.9	837.1	837.3	837.5	837.7	837.9	838.1	838.3	838.5	838.7	838.9	839.1	839.3	839.5	839.7	839.9	840.1	840.3	840.5	840.7	840.9	841.1	841.3	841.5	841.7	841.9	842.1	842.3	842.5	842.7	842.9	843.1	843.3	843.5	843.7	843.9	844.1	844.3	844.5	844.7	844.9	845.1	845.3	845.5	845.7	845.9	846.1	846.3	846.5	846.7	846.9	847.1	847.3	847.5	847.7	847.9	848.1	848.3	848.5	848.7	848.9	849.1	849.3	849.5	849.7	849.9	850.1	850.3	850.5	850.7	850.9	851.1	851.3	851.5	851.7	851.9	852.1	852.3	852.5	852.7	852.9	853.1	853.3	853.5	853.7	853.9	854.1	854.3	854.5	854.7	854.9	855.1	855.3	855.5	855.7	855.9	856.1	856.3	856.5	856.7	856.9	857.1	857.3	857.5	857.7	857.9	858.1	858.3	858.5	858.7	858.9	859.1	859.3	859.5	859.7	859.9	860.1	860.3	860.5	860.7	860.9	861.1	861.3	861.5	861.7	861.9	862.1	862.3	862.5	862.7	862.9	863.1	863.3	863.5	863.7	863.9	864.1	864.3	864.5	864.7	864.9	865.1	865.3	865.5	865.7	865.9	866.1	866.3	866.5	866.7	866.9	867.1	867.3	867.5	867.7	867.9	868.1	868.3	868.5	868.7	868.9	869.1	869.3	869.5	869.7	869.9	870.1	870.3	870.5	870.7	870.9	871.1	871.3	871.5	871.7	871.9	872.1	872.3	872.5	872.7	872.9	873.1	873.3	873.5	873.7	873.9	874.1	874.3	874.5	874.7	874.9	875.1	875.3	875.5	875.7	875.9	876.1	876.3	876.5	876.7	876.9	877.1	877.3	877.5	877.7	877.9	878.1	878.3	878.5	878.7	878.9	879.1	879.3	879.5	879.7	879.9	880.1	880.3	880.5	880.7	880.9	881.1	881.3	881.5	881.7	881.9	882.1	882.3	882.5	882.7	882.9	883.1	883.3	883.5	883.7	883.9	884.1	884.3	884.5	884.7	884.9	885.1	885.3	885.5	885.7	885.9	886.1	886.3	886.5	886.7	886.9	887.1	887.3	887.5	887.7	887.9	888.1	888.3	888.5	888.7	888.9	889.1	889.3	889.5	889.7	889.9	890.1	890.3	890.5	890.7	890.9	891.1	891.3	891.5	891.7	891.9	892.1	892.3	892.5	892.7	892.9	893.1	893.3	893.5	893.7	893.9	894.1	894.3	894.5	894.7	894.9	895.1	895.3	895.5	895.7	895.9	896.1	896.3	896.5	896.7	896.9	897.1	897.3	897.5	897.7	897.9	898.1	898.3	898.5	898.7	898.9	899.1	899.3	899.5	899.7	899.9	900.1	900.3	900.5	900.7	900.9	901.1	901.3	901.5	901.7	901.9	902.1	902.3	902.5	902.7	902.9	903.1	903.3	903.5	903.7	903.9	904.1	904.3	904.5	904.7	904.9	905.1	905.3	905.5	905.7	905.9	906.1	906.3	906.5	906.7	906.9	907.1	907.3	907.5	907.7	907.9	908.1	908.3	908.5	908.7	908.9	909.1	909.3	909.5	909.7	909.9	910.1	910.3	910.5	910.7	910.9	911.1	911.3	911.5	911.7	911.9	912.1	912.3	912.5	912.7	912.9	913.1	913.3	913.5	913.7	913.9	914.1	914.3	914.5	914.7	914.9	915.1	915.3	915.5	915.7	915.9	916.1	916.3	916.5	916.7	916.9	917.1	917.3	917.5	917.7	917.9	918.1	918.3	918.5	918.7	918.9	919.1	919.3	919.5	919.7	919.9	920.1	920.3	920.5	920.7	920.9	921.1	921.3	921.5	921.7	921.9	922.1	922.3	922.5	922.7	922.9	923.1	923.3	923.5	923.7	923.9	924.1	924.3	924.5	924.7	924.9	925.1	925.3	925.5	925.7	925.9	926.1	926.3	926.5	926.7	926.9	927.1	927.3	927.5	927.7	927.9	928.1	928.3	928.5	928.7	928.9	929.1	929.3	929.5	929.7	929.9	930.1	930.3	930.5	930.7	930.9	931.1	931.3	931.5	931.7	931.9	932.1	932.3	932.5	932.7	932.9	933.1	933.3	933.5	933.7	933.9	934.1	934.3	934.5	934.7	934.9	935.1	935.3	935.5	935.7	935.9	936.1	936.3	936.5	936.7	936.9	937.1	937.3	937.5	937.7	937.9	938.1	938.3	938.5	938.7	938.9	939.1	939.3	939.5	939.7	939.9	940.1	940.3	940.5	940.7	940.9	941.1	941.3	941.5	941.7	941.9	942.1	942.3	942.5	942.7	942.9	943.1	943.3	943.5	943.7	943.9	944.1	944.3	944.5	944.7	944.9	945.1	945.3	945.5	945.7	945.9	946.1	946.3	946.5	946.7	946.9	947.1	947.3	947.5	947.7	947.9	948.1	948.3	948.5	948.7	948.9	949.1	949.3	949.5	949.7	949.9	950.1	950.3	950.5	950.7	950.9	951.1	951.3	951.5	951.7	951.9	952.1	952.3	952.5	952.7	952.9	953.1	953.3	953.5	953.7	953.9	954.1	954.3	954.5	954.7	954.9	955.1	955.3	955.5	955.7	955.9	956.1	956.3	956.5	956.7	956.9	957.1	957.3	957.5	957.7	957.9	958.1	958.3	958.5	958.7	958.9	959.1	959.3	959.5	959.7	959.9	960.1	960.3	960.5	960.7	960.9	961.1	961.3	961.5	961.7	961.9	962.1	962.3	962.5	962.7	962.9	963.1	963.3	963.5	963.7	963.9	964.1	964.3	964.5	964.7	964.9	965.1	965.3	965.5	965.7	965.9	966.1	966.3	966.5	966.7	966.9	967.1	967.3	967.5	967.7	967.9	968.1	968.3	968.5	968.7	968.9	969.1	969.3	969.5	969.7	969.9	970.1	970.3	970.5	970.7	970.9	971.1	971.3	971.5	971.7	971.9	972.1	972.3	972.5	972.7	972.9	973.1	973.3	973.5	973.7	973.9	974.1	974.3	974.5	974.7	974.9	975.1	975.3	975.5	975.7	975.9	976.1	976.3	976.5	976.7	976.9	977.1	977.3	977.5	977.7	977.9	978.1	978.3	978.5	978.7	978.9	979.1	979.3	979.5	979.7	979.9	980.1	980.3	980.5	980.7	980.9	981.1	981.3	981.5	981.7	981.9	982.1	982.3	982.5	982.7	982.9	983.1	983.3	983.5	983.7	983.9	984.1	984.3	984.5	984.7	984.9	985.1	985.3	985.5	985.7	985.9	986.1	986.3	986.5	986.7	986.9	987.1	987.3	987.5	987.7	987.9	988.1	988.3	988.5	988.7	988.9	989.1	989.3	989.5	989.7	989.9	990.1	990.3	990.5	990.7	990.9	991.1	991.3	991.5	991.7	991.9	992.1	992.3	992.5	992.7	992.9	993.1	993.3	993.5	993.7	993.9	994.1	994.3	994.5	994.7	994.9	995.1	995.3	995.5	995.7	995.9	996.1	996.3	996.5	996.7	996.9	997.1	997.3	997.5	997.7	997.9	998.1	998.3	998.5	998.7	998.9	999.1	999.3	999.5	999.7	999.9	1000.1	1000.3	1000.5	1000.7	1000.9
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Revised 11-15-35

FEDERAL ROAD DISTRICT NO.	STATE	PROJ. NO.	PROJ. YEAR	SHEET NO.	TOTAL SHEETS
7	IND	284	1936	11	32

Sec. M. 1390 Revised 3-2-36

STRUCTURE NO. 93
Lt. 16' of 12" Pipe Req'd.
S 83° 0' E

STRUCTURE NO. 94
16' of 12" Pipe Req'd.

STRUCTURE NO. 95
16' of 12" Pipe Req'd.

STRUCTURE NO. 96
16' of 12" Pipe Req'd.

STRUCTURE NO. 97
16' of 12" Pipe Req'd.

STRUCTURE NO. 98
16' of 12" Pipe Req'd.

STRUCTURE NO. 99
16' of 12" Pipe Req'd.

STRUCTURE NO. 100
16' of 12" Pipe Req'd.

STRUCTURE NO. 101
16' of 12" Pipe Req'd.

STRUCTURE NO. 102
16' of 12" Pipe Req'd.

STRUCTURE NO. 103
16' of 12" Pipe Req'd.

STRUCTURE NO. 104
16' of 12" Pipe Req'd.

STRUCTURE NO. 105
16' of 12" Pipe Req'd.

STRUCTURE NO. 106
16' of 12" Pipe Req'd.

STRUCTURE NO. 107
16' of 12" Pipe Req'd.

STRUCTURE NO. 108
16' of 12" Pipe Req'd.

STRUCTURE NO. 109
16' of 12" Pipe Req'd.

STRUCTURE NO. 110
16' of 12" Pipe Req'd.

STRUCTURE NO. 111
16' of 12" Pipe Req'd.

STRUCTURE NO. 112
16' of 12" Pipe Req'd.

STRUCTURE NO. 113
16' of 12" Pipe Req'd.

STRUCTURE NO. 114
16' of 12" Pipe Req'd.

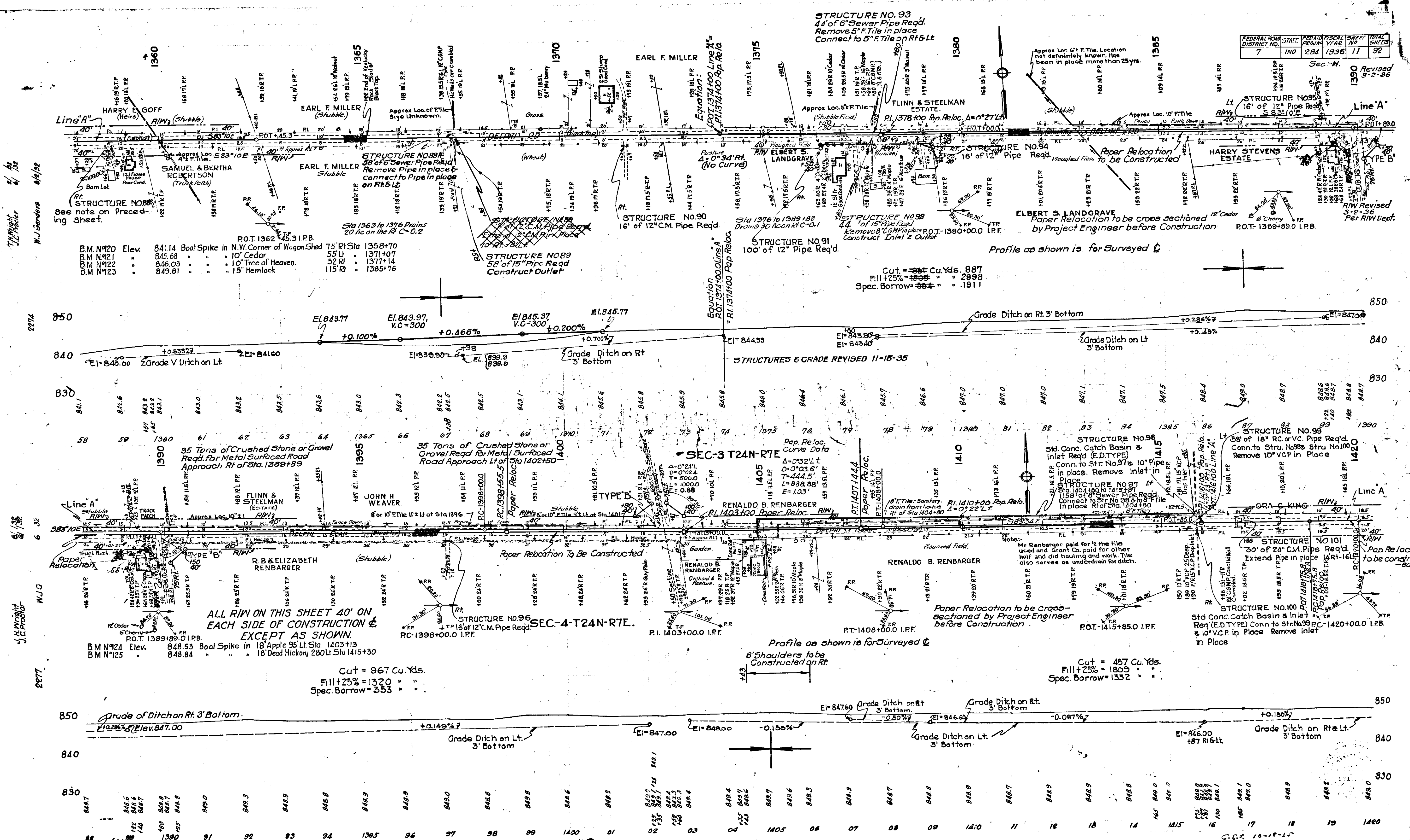
STRUCTURE NO. 115
16' of 12" Pipe Req'd.

STRUCTURE NO. 116
16' of 12" Pipe Req'd.

STRUCTURE NO. 117
16' of 12" Pipe Req'd.

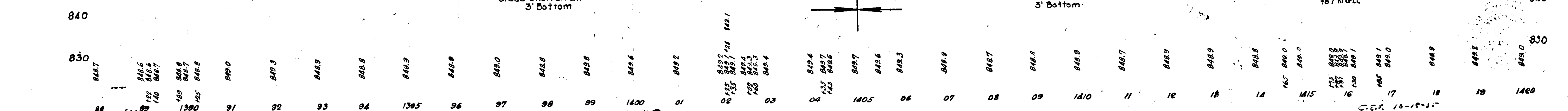
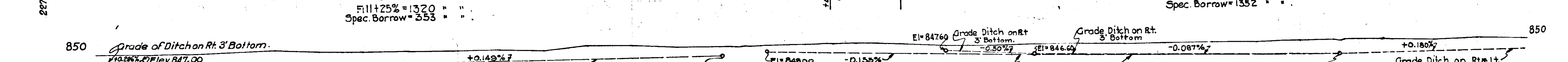
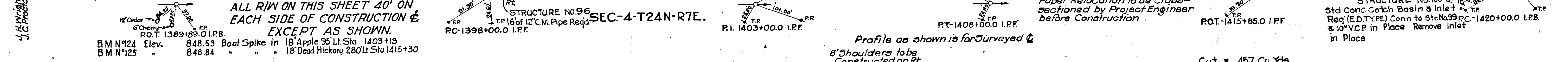
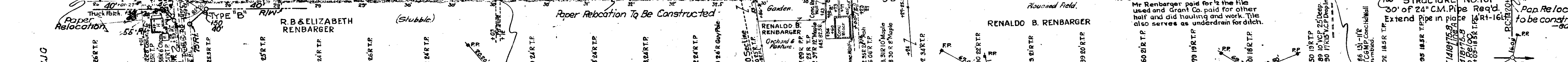
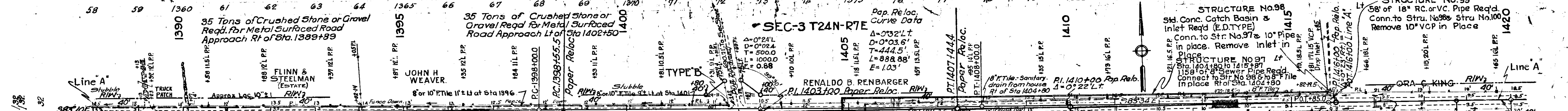
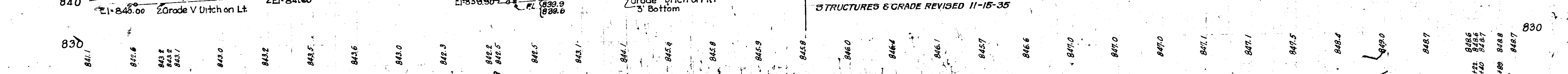
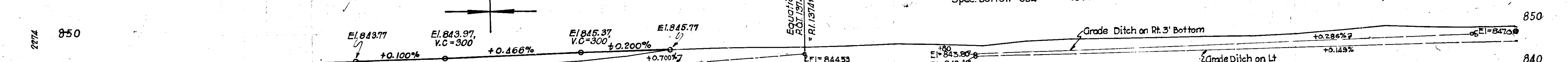
STRUCTURE NO. 118
16' of 12" Pipe Req'd.

STRUCTURE NO. 119
16' of 12" Pipe Req'd.



See note on Preceding Sheet.

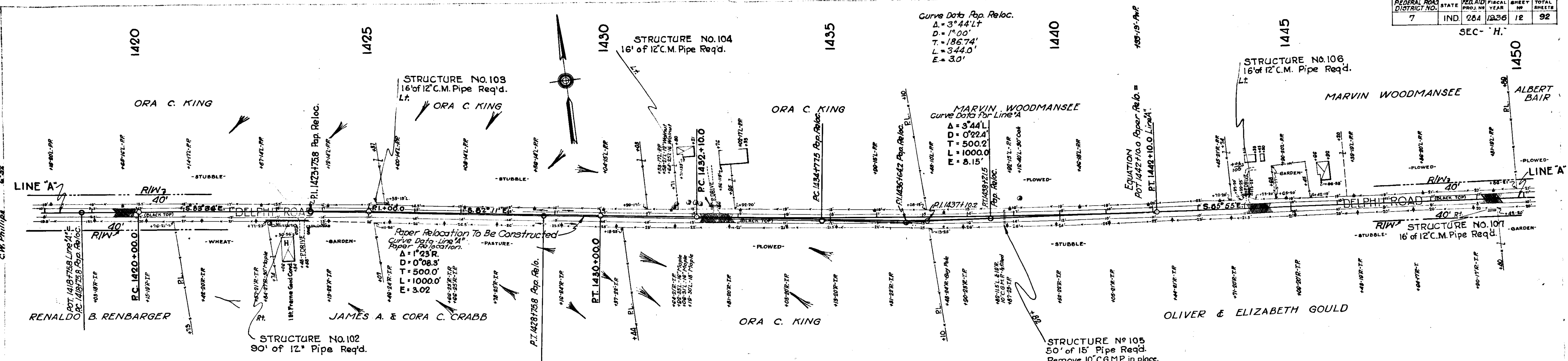
B.M. N420 Elev.	841.14	Boat Spike in N.W. Corner of Wagon Shed
B.M. N421	845.68	10' Cedar
B.M. N422	846.03	10' Tree of Heaven
B.M. N423	849.91	15' Hemlock



C.E. 10-15-36

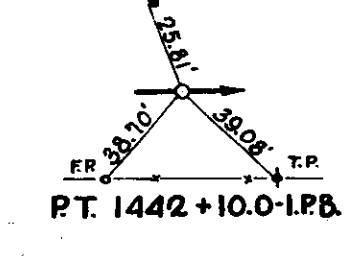
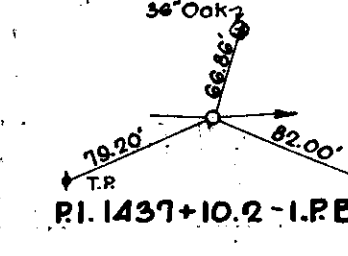
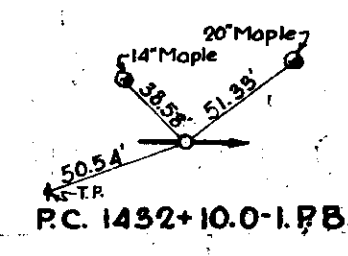
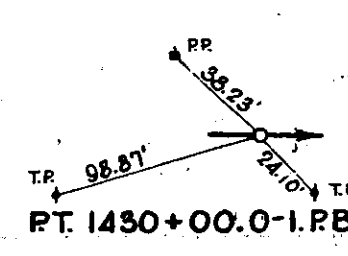
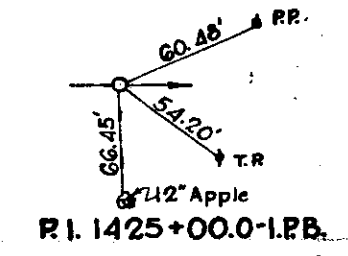
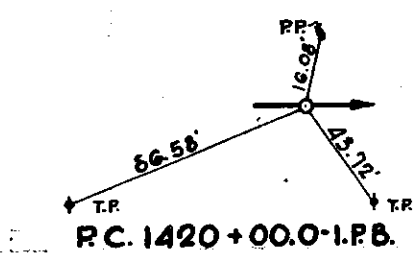
FEDERAL ROAD DISTRICT NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND	284	1936	12	92

SEC. H.



Paper Relocation to be cross sectioned by the Project Engineer before Construction

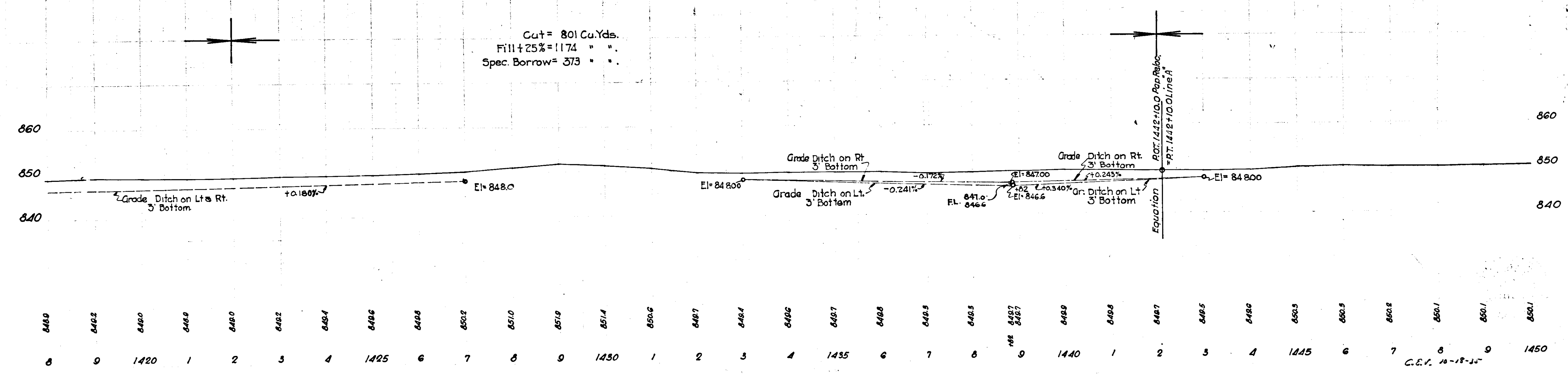
ALL R.O.F.W. ON THIS SHEET 40' ON EACH SIDE OF CONSTRUCTION & EXCEPT AS SHOWN



B.M. No. 126 Elev. 849.83 Boot Spike in 18' Pear AC' of Sta. 1423+47.
 127 - 849.13 - 18' Maple 108 L. - 1432+20.
 128 - 849.53 - 32' Elm 72 L. - 1440+05.

Profile as shown is for Surveyed &

Cut = 801 Cu.Yds.
 Fill + 25% = 1174 " "
 Spec. Borrow = 373 " "

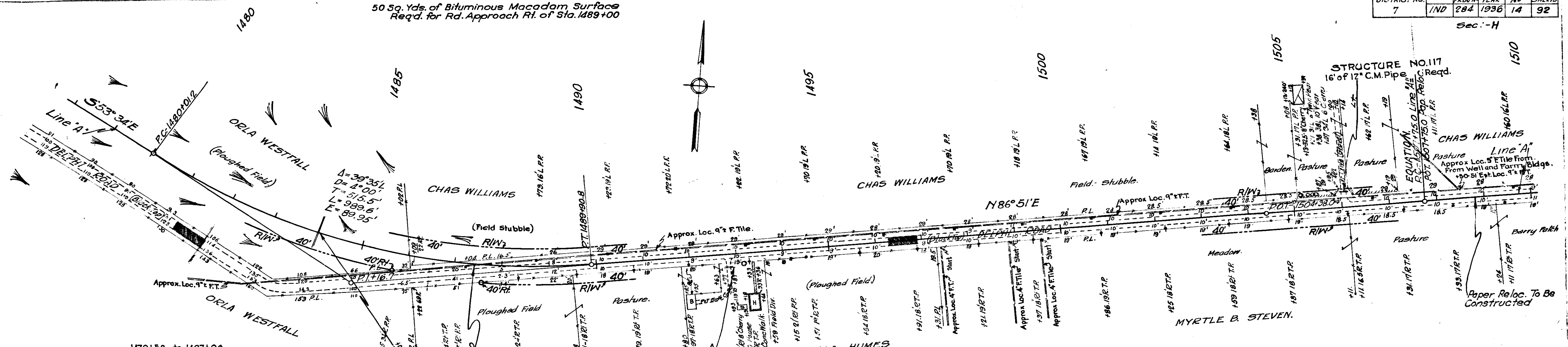


848.0	849.2	849.0	848.9	848.0	849.2	849.4	849.6	849.8	850.2	851.0	851.9	851.4	850.6	848.7	848.4	849.2	848.7	848.8	848.3	848.3	849.7	849.7	849.9	849.6	849.7	849.5	849.6	850.3	850.3	850.2	850.1	850.1	850.1
8	9	1420	1	2	3	4	1425	6	7	8	9	1430	1	2	3	4	1435	6	7	8	9	1440	1	2	3	4	1445	6	7	8	9	1450	

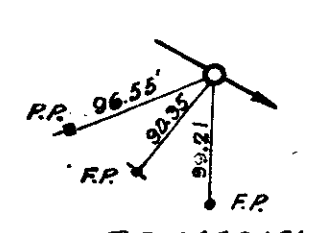
C.E.T. 11-18-36

Sec. - H

50 Sq. Yds. of Bituminous Macadam Surface
Reqd. for Rd. Approach Rt. of Sta. 1489+00



ALL R/W ON THIS SHEET 40' EACH SIDE OF CONSTRUCTION EXCEPT AS SHOWN.

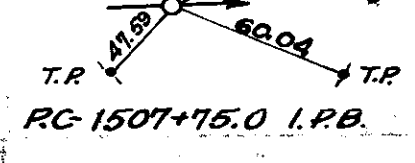
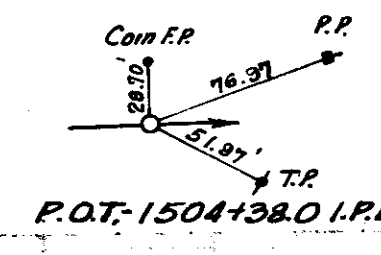


1470+50 to 1487+00
Drains 3 Ac. C=0.2

STRUCTURE NO. 113
54' of 15\"/>

STRUCTURE NO. 115-A
200' of 10\"/>

STRUCTURE NO. 116
16' of 12\"/>



RC-1480+01.2 W.H.B.	BM N° 132 Elev. 845.63	Boal Spike in 20' Ash	190' Sta 1483+03
	BM N° 133 Elev. 846.26	14' Apple	36' Sta 1493+02
	BM N° 134 Elev. 843.75	36' Maple	85' Sta 1507+78

Rev. 11-13-35
Per R/W Dept.

Elev. 847.07

Cut = ~~363~~ Cu. Yds. 363
Fill + 25% = 3445 Cu. Yds.
Spec. Borrow = ~~3282~~ Cu. Yds. 2662
Borrow = 420 Cu. Yds
Above Borrow to be obtained from preceding balance.

Cut = 13 Cu. Yds.
Fill + 25% = 1378 " "
Borrow = 365 " "
Sp. Borrow = 576 " "
789 ~~3445~~ Cu. Yds. of above borrow to be obtained between Sta. 1531+00 and Sta. 1539+51.3

Quantities Rev. 11-12-35

845.9	846.3	846.5	846.9	846.0	845.1	844.5	845.1	846.0	845.9	845.9	845.6	845.7	846.1	845.8	845.6	845.7	845.7	845.5	845.5	845.5	845.9	846.0	846.4	846.1	845.9	845.9	845.6	845.4	845.3	845.6	846.6	
1478	79	1480	81	82	83	84	1485	86	87	88	89	1490	91	92	93	94	1495	96	97	98	99	1500	01	02	03	04	1505	06	07	08	09	1510

C.E.V. 10-17-36

DISTRICT NO	STAT	SECTIONAL SHEET NO	TOTAL SHEETS
7	IND	284	1936 15 92

SEC. H Revised 3-2-36

MARION INC

70 Tons of Crushed Stone or
Gravel Req'd. for Metal Surfaced Road
Approaches Rt 611 of Sta. 1512+75

A = 1° 02' L
D = 0° 22'
T = 500.0
L = 1000.0
E = 2.25

Curve Data
Paper Reloc.
Δ = 1° 15' L
D = 0° 19' 26"
R.W. L. 301.7
L = 389.4'
E = 1.06'

Note:
3 or 4 Farm Tiles 5" to 6" in diameter
are believed to connect to existing
16" Tile from lot 7 from Sta 1512+75
to Sta 1526. Location not determined.

STRUCTURE NO. 120
48' of 15" V.C. Cor. C. Pipe Req'd.
Connect to Str. No. 121, 122, EDWIN T. TROOK
5' 16" in place. One 15" on 18" Cross
to be paid for at the contract
unit price of 2' of 15" V.C. Cor. C. Pipe
Req'd. (E.O. Type) Connect to Str. No. 120.

STRUCTURE NO. 122
Std. Conc. Catch Basin 6 Inlet
Req'd. (E.O. Type) Connect to Str. No. 120.

STRUCTURE NO. 121
Catch Basin in Place
One Manhole Ring & Manhole
Cover Req'd. Adjust Covers to
grade. Connect to Str. No. 119, 120, 123
Remove Flat Top Grate in Place

STRUCTURE NO. 119
40' of 15" R. Cor. V.C. Pipe Req'd.
Connect to Str. No. 121
Constr. "L" Hdwl. on inlet end

STRUCTURE NO. 123
200' of 12" V.C. Cor. C. Pipe Req'd.
Connect to Str. No. 121 &
Str. No. 124

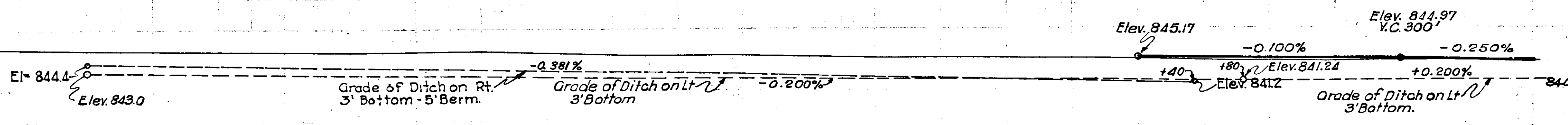
STRUCTURE NO. 124
Std. 12" V.C. Pipe Inlet Req'd.
Conn. to Str. No. 123, One V.C.
Elbow Req'd. to be included
in the contract
unit Price for V.C.
inlet

ALL R/W ON THIS SHEET TO BE
40' ON EACH SIDE OF PAPER
RELOCATION & EXCEPT AS SHOWN.

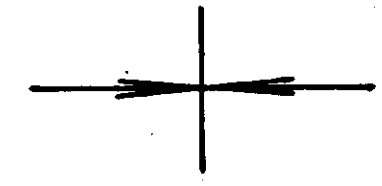
B.M. #135 Elev. 844.00 Boat Spike in 20" Poplar 40' P- Sta. 1524+22

8' Shoulders to be constructed on Rt

For Sodding on Rt See following
sheet



Cut = 1390 Cu. Yds.
Fill +25% = 1478 " "
Borrow = 88 " "

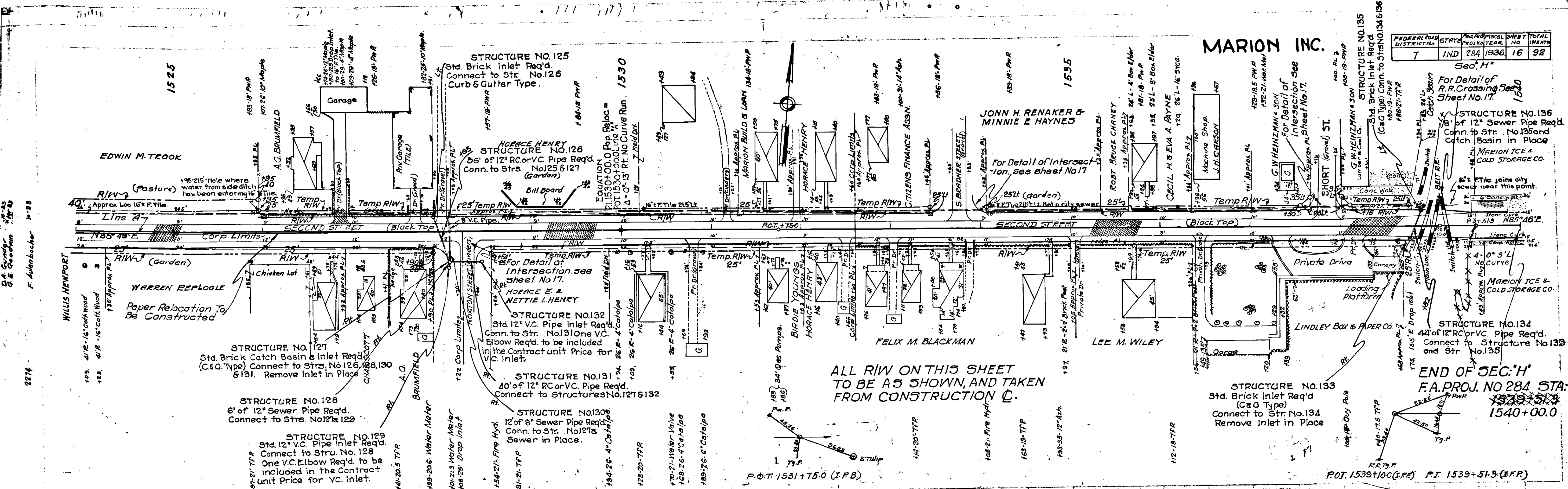


24 Gandy 10-23
2 E. Gandy 10-23
F. Gandy 10-23

2274

24 Gandy 10-23
2 E. Gandy 10-23
F. Gandy 10-23

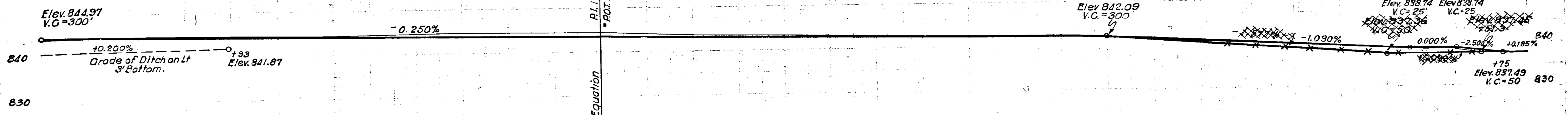
2277



FEDERAL ROAD DISTRICT NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND	1936	16	92

BM #135 Elev. 844.00 Boat spike in 20' Poplar 40' R. Sta. 1524+22
 B.M. #136 Elev. 842.30 Boat spike in 20' Maple 44' L. Sta. 1534+84

799 Sq. Yds. of Sodding Req'd. on Lt.
 1058 Sq. Yds. of Sodding Req'd. on Rt.



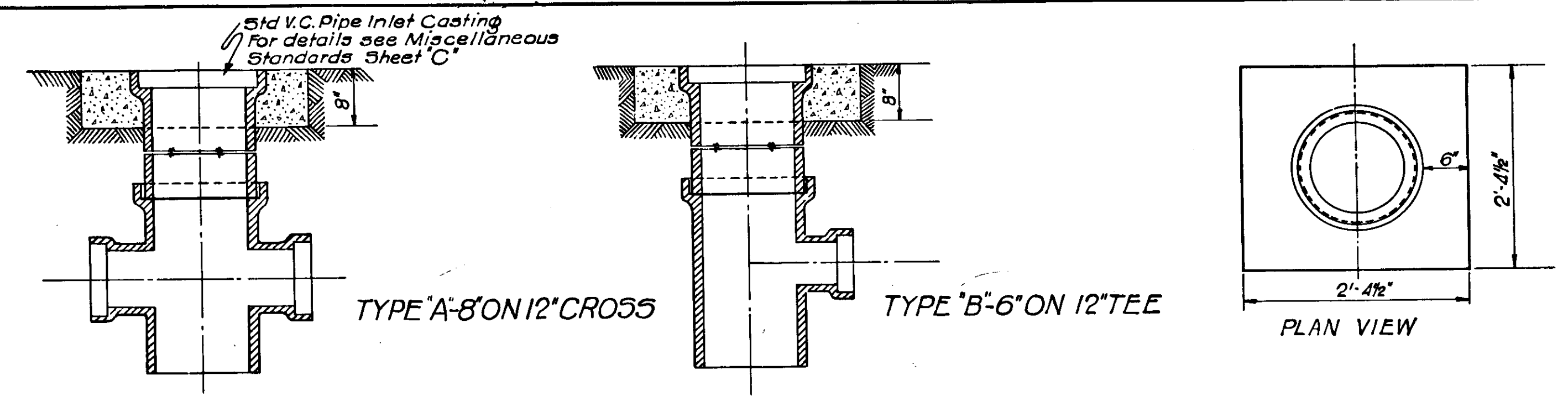
Cut = ~~333~~ Cu. Yds. 930
 Fill = 257 " " 141
 Waste = 133 " " 789
 789 ~~133~~ Cu. Yds. of above waste to be used between Sta. 1499+00 and Sta. 1513+00

Revised 11-12-35

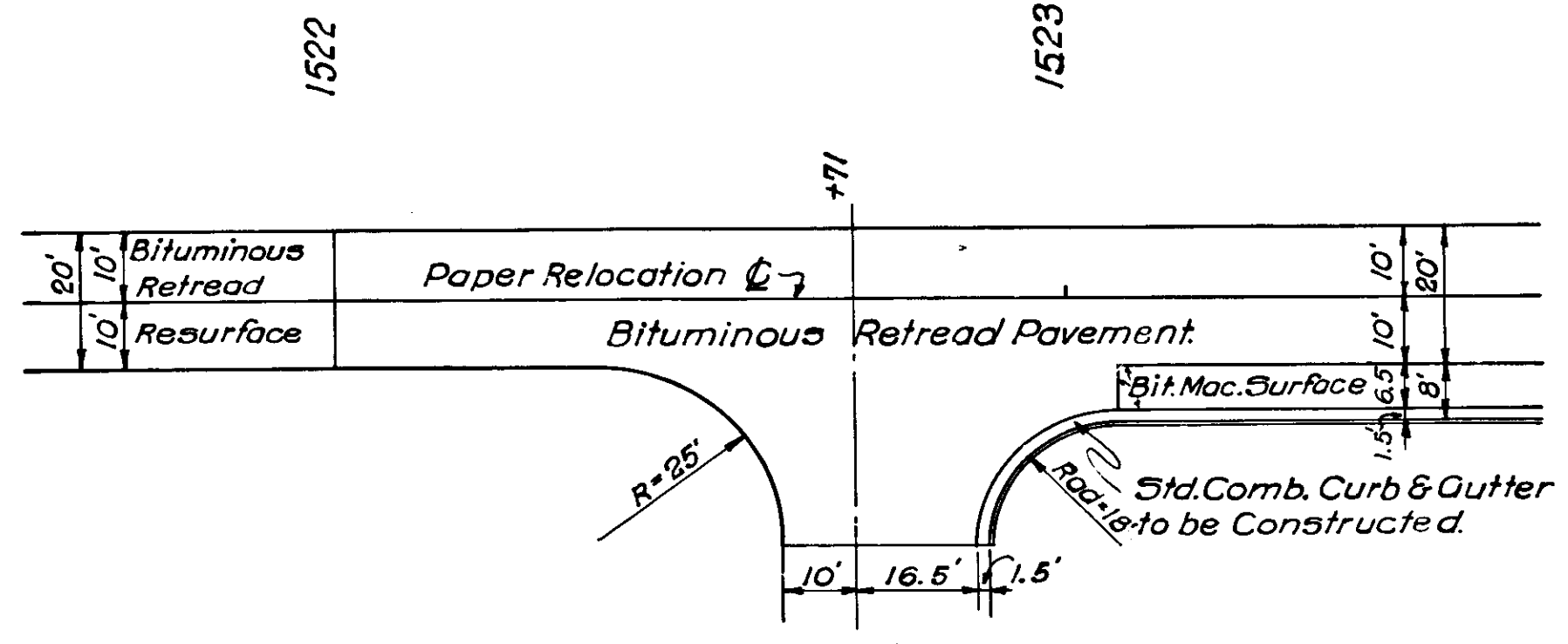
8448	8449	8446	8445	8444	8443	8442	8441	8440	8439	8438	8437	8436	8435	8434	8433	8432	8431	8430	8429	8428	8427	8426	8425	8424	8423	8422	8421	8420	8419	8418	8417	8416	8415	8414	8413	8412	8411	8410	8409	8408	8407	8406	8405	8404	8403	8402	8401	8400																						
1524	1525	26	27	28	29	30	31	32	33	34	1530	35	36	1535	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92

FEDERAL ROAD DISTRICT NO.	STATE	FEDERAL FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	IND	284	1936	17

Sec. H
Rev. 5-29-35

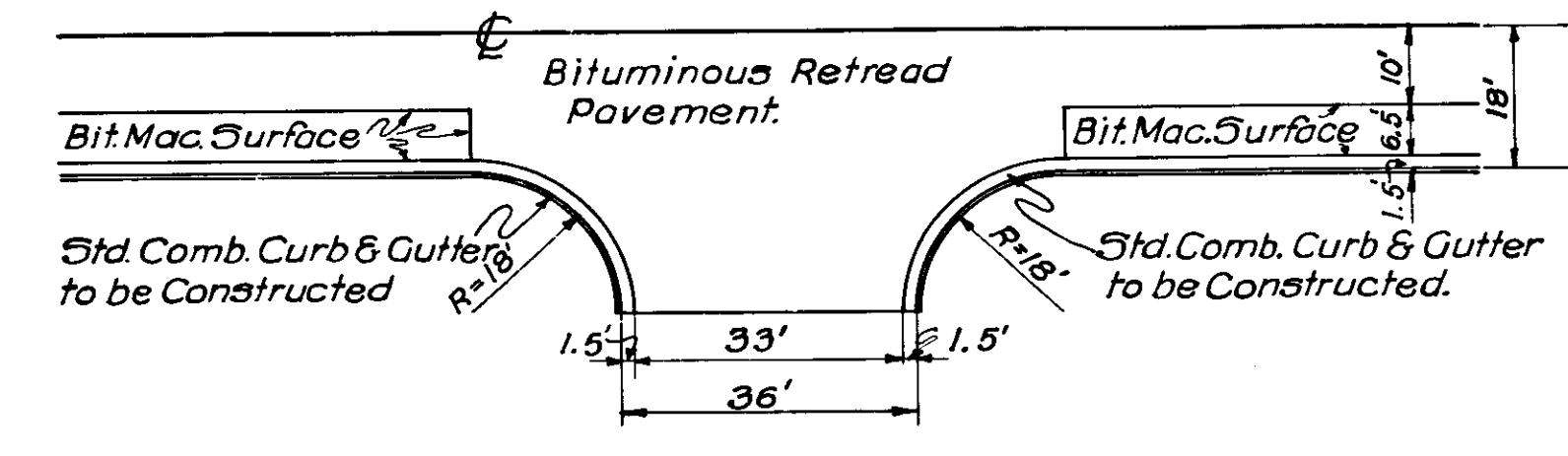


DETAILS OF SPECIAL V.C. PIPE INLETS
Scale 1"=1'-0"



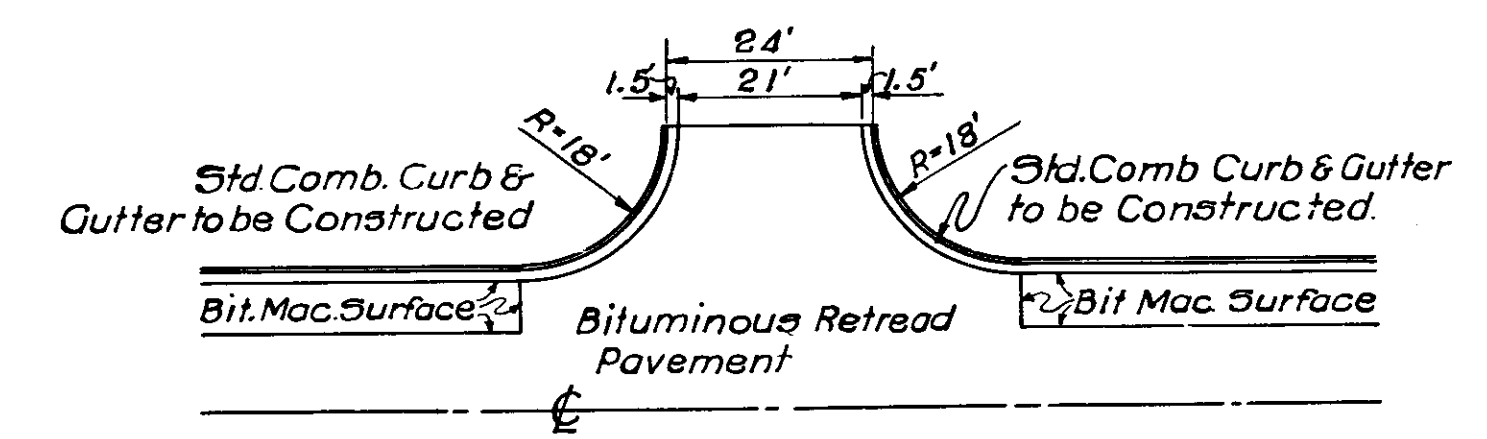
DETAIL OF INTERSECTION
LENFESTA ST. STA: 1522+71

- ADDITIONAL QUANTITIES**
- * Bituminous Retread Pavement 115 Sq.Yds.
 - Combined Curb & Gutter 28 Lin.Ft.
- Scale 1"=20'-0"



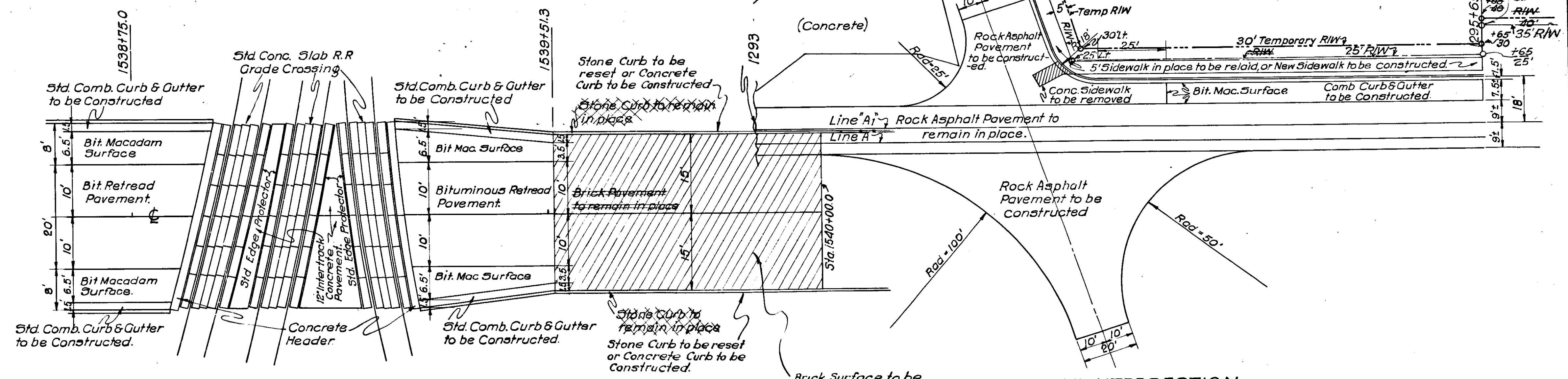
DETAIL OF TYPICAL INTERSECTION
NORTON ST. STA: 1528+32 Rt.
S. BRADNER ST. STA: 1530+75 Lt.

- ADDITIONAL QUANTITIES.**
- * Bituminous Retread Pavement 142 Sq.Yds.
 - Combined Curb & Gutter 57 Lin.Ft.
- Scale 1"=20'-0"



DETAIL OF INTERSECTION
SHORT ST. STA: 1537+83 Lt.

- ADDITIONAL QUANTITIES**
- * Bituminous Retread Pavement 107 Sq.Yds.
 - Combined Curb & Gutter 57 Lin.Ft.
- Scale 1"=20'-0"



DETAIL OF R.R. CROSSING
STA: 1538+75.0 TO STA: 1539+51.3 1540+00

- TOTAL QUANTITIES**
- | | | | |
|----------------------------------|-----|-------------|-----------------|
| * Bituminous Retread Pavement | 258 | 38 Sq.Yds. | |
| * Bituminous Macadam Surface | | 46 Sq.Yds. | |
| Conc. Slab R.R. Grade Crossing | | 105 Sq.Yds. | |
| Concrete Header | | 12 Lin.Ft. | |
| Combined Curb & Gutter | | 75 Lin.Ft. | |
| 12" Intertrack Concrete Pavement | | 34 Sq.Yds. | |
| | | | Scale 1"=10'-0" |
- | | | | |
|---|-----|----------|--|
| * See Estimate of Quantities Sheet for individual items | | | |
| Reset Stone Curb. | 48 | Lin. Ft. | |
| Concrete Curb | 49 | Lin. Ft. | |
| Stone Curb Removal | 49 | Lin. Ft. | |
| Brick Surface Removal | 162 | Sq. Yds. | |

DETAIL OF INTERSECTION
STA. 1293+00 TO STA. 1295+65

- TOTAL QUANTITIES.**
- * Rock Asphalt Pavement 568 Sq.Yds.
 - * Bit. Macadam Surface 95 Sq.Yds.
 - Comb. Curb & Gutter 185 Lin.Ft.
 - Sidewalk 50 Sq.Yds.
 - Relaid Sidewalk 50 Sq.Yds.
 - Sidewalk Removal 7 Sq.Yds.
 - Finishing Shoulders & Ditches 212 Lin.Ft.
- Revised 11-12-35.
Scale 1"=20'-0"

ESTIMATE OF QUANTITIES

BRIDGE AND CULVERT DATA

BASE & BINDER COURSES	CONCRETE	AGGREGATE	ASPHALT	BITUMINOUS	STEEL	PIPE	WATER	CEMENT	GRAVEL	COAL	WOOD	BRICK	GLASS	PAINT	OTHER
FOR ASPHALT AND BITUMINOUS RETREAD SURFACES															
CONCRETE	18000	2304													
WATERBOUND MACADAM															
BITUMINOUS CONC															
BITUMINOUS CONC AC															
BIT COATED AGG															
BIT COATED AGG LA															
RECONSTRUCTED															

SURFACE COURSES	CONCRETE	AGGREGATE	ASPHALT	BITUMINOUS	STEEL	PIPE	WATER	CEMENT	GRAVEL	COAL	WOOD	BRICK	GLASS	PAINT	OTHER
CONCRETE															
WATERBOUND MACADAM															
BITUMINOUS CONC															
BITUMINOUS CONC AC															
BIT COATED AGG															
BIT COATED AGG LA															
RECONSTRUCTED															

EXCAVATION	SPECIAL BORROW	SPECIAL FILL	FINISHING	SAVAGED	CONCRETE	REINFORCING	TIMBER	PILING	BITUMINOUS	SHOULDER	PAVED	PAVED
CU YDS												
22,488			34,528	50	63.8						420	

SIDE WALK	CROSS WALKS	EXPANSION JOINTS	CONTRACTION JOINTS	PAVEMENT	POCK	SURFACE	BLASTING	RIP	GROUTER
SQ YDS	SQ YDS	LN FT	LN FT	SQ YDS	SQ YDS	SQ YDS	LN FT	SQ YDS	SQ YDS
50	50	3	1	162				30	

GUARD RAIL	CONC SLAB	CONC HEADER	OVERHAUL	SPEC V.C. INLET	12" STD	BRICK	INTERLOCK	OVERHAUL
LN FT	SQ YDS	LN FT	CU YDS	EACH	EACH	SQ YDS	CU YDS	CU YDS
2,864	105	72	789	1	2	4	34	420

PIPE	WTC.	CONCRETE	STEEL	PIPE	WATER	CEMENT	GRAVEL	COAL	WOOD	BRICK	GLASS	PAINT	OTHER
LN FT	LN FT	SQ YDS	LN FT	LN FT	LN FT	LN FT	LN FT	LN FT	LN FT	LN FT	LN FT	LN FT	LN FT
930	154	58											

LOCATION	DESCRIPTION	LENGTH	STEEL REINFORCING	REMARKS
1 1183100	Structure to be built under separate contract			
2 1330100				
11 118045R12"	C.M. Pipe	16'	0.54	Remove 10" V.C. Pipe in place.
12 118840H15"	V.C. Pipe to be relaid	30'	1.63	
13 1188100R12"	Drain Tile	200'	0.24	Connect to 6" Tile in place. Construct Headwall on Outlet
14 1186100R6"	Drain Tile	140'	0.24	Connect to 6" Tiles in place. Construct headwall on Outlet
15 1186100R12"	C.M. Pipe	16'	0.54	
16 120100R12"	C.M. Pipe	30'	2.16	Extend 18" C.M. Pipe in place 16' on Lt and 14' on Rt Construct Outlet.
17 120100R12"	Special V.C. Pipe Inlet Type A			Connect to 8" Tile in place
18 120100R12"	C.M. Pipe	16'	0.54	Remove 12" C.M. Pipe in place. Construct inlet & outlet.
19 120100R12"	C.M. Pipe	16'	0.54	
20 1215100R12"	C.M. Pipe	16'	0.54	
21 1218100R12"	C.M. Pipe	16'	0.54	
22 1221150R12"	C.M. Pipe	249'	0.54	
23 1222100R12"	C.M. Pipe	32'	0.54	Remove 6" F. Tile in place.
24 1230100R12"	C.M. Pipe	16'	0.54	Remove 6" F. Tile in place
25 1234100R12"	C.M. Pipe	16'	0.54	Extend 12" C.M. Pipe in place, 12' Rt and 12' Lt.
26 1237116 12"	C.M. Pipe	24'	1.63	Remove 10" C.M. Pipe in place
27 1250194 15"	C.M. Pipe	48'	1.63	Remove 8" C.I. Pipe in place
28 1252150R12"	C.M. Pipe	16'	0.54	Remove 8" F. Tile in place
29 1259160R12"	C.M. Pipe	16'	0.54	Remove 8" F. Tile in place
30 1263150R15"	C.M. Pipe	16'	0.64	
31 1263150R15"	C.M. Pipe	16'	0.64	
32 1263153 18"	C.M. Pipe	22'	2.16	Extend 18" C.M. Pipe in place 12' Rt & 10' Lt.
33 1271140R12"	C.M. Pipe	22'	0.54	
34 1271140 12"	C.M. Pipe	22'	1.63	Extend 12" C.M. Pipe in place 12' Rt & 10' Lt.
35 1275100R12"	Std Conc Catch Basin & Inlet (Earth Ditch Type)			Connect to 5" Str. No. 37, 38 & 39
36 1275100R12"	Std Conc Catch Basin & Inlet (Earth Ditch Type)			Connect to 5" Str. No. 37, 41 and 16" F. Tile in place
37 1275100 15"	R.C. or V.C. Pipe	66'		Connect to 5" Str. No. 35 & 36 and Remove 16" F. Tile in place.
38 1275100 12"	Sewer Pipe	20'		Connect to 5" Str. No. 35 and 12" F. Tile in place
39 1275100 6"	Sewer Pipe	30'		Connect to 5" Str. No. 35 and 6" F. Tile in place
40 1275100 18"	R.C. or V.C. Pipe	49'	836.7 836.0 2.16	Remove 18" C.M. Pipe in place
41 1280125R12"	R.C. or V.C. Pipe	160'		Connect to 5" Str. No. 42 & 53
42 1280125R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 41 & 43
43 1280125R12"	Sewer Pipe	250'		Connect to 5" Str. No. 42 & 44
44 1283120R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 43
45 1283120R12"	Std Conc Catch Basin & Inlet (Earth Ditch Type)			Connect to 5" Str. No. 43 & 46
46 1283120R12"	R.C. or V.C. Pipe	100'		Connect to 5" Str. No. 45 & 49
47 1283120R12"	Special V.C. Pipe Inlet Type B			Connect to 5" Str. No. 48
48 1283120R12"	Sewer Pipe	14'		Connect to 5" Str. No. 47 and 6" F. Tile in place. One 6"x6" Tee to be paid for at the contract unit price for 4' of 6" Sewer Pipe
49 1284120R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 48 & 50
50 1284120R12"	Sewer Pipe	250'		Connect to 5" Str. No. 49 & 51
51 1286120R12"	Std Conc Catch Basin & Inlet (Earth Ditch Type)			Connect to 5" Str. No. 50 & 52
52 1286120R12"	R.C. or V.C. Pipe	50'		Connect to 5" Str. No. 51 & 53
53 1287150R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 52 & 54
54 1287150R12"	Sewer Pipe	270'		Connect to 5" Str. No. 53, 55 & 56
55 1290120R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 54
56 1290120R12"	Std Conc Catch Basin & Inlet (Earth Ditch Type)			Connect to 5" Str. No. 54 & 57
57 1290120R12"	R.C. or V.C. Pipe	70'		Connect to 5" Str. No. 56 & 61
58 1290120R12"	Sewer Pipe	430'		Connect to 5" Str. No. 60 & 64 & 6" F. Tile in place
59 1290120R12"	Special V.C. Pipe Inlet Type B			Connect to 5" Str. No. 60
60 1290120R12"	Sewer Pipe	14'		Connect to 5" Str. No. 58 & 59. One 6"x6" Tee to be paid for at the contract unit price for 4' of 6" Sewer Pipe
61 1290120R12"	Std V.C. Pipe Inlet	154'		Connect to 5" Str. No. 57 & 62
62 1291140R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 62. One V.C. Elbow to be included in the contract unit price for V.C. Inlet.
63 1291140R12"	R.C. or V.C. Pipe	360'		Connect to 5" Str. No. 58, 65, 68, 69
64 1291140R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 64
65 1291140R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 67. One 12" Elbow to be included in contract unit price for Pipe Inlet.
66 1291140R12"	Sewer Pipe	10'		Connect to 5" Str. No. 66 & 68
67 1291140R12"	Std Brick Inlet Curb & Gutter Type			Connect to 5" Str. No. 64 & 67
68 1291140R12"	Std V.C. Pipe Inlet			Connect to 5" Str. No. 64. One V.C. Elbow to be included in contract unit price for V.C. Inlet.
69 1296110R12"	C.M. Pipe	16'	0.54	
70 1300100R12"	C.M. Pipe	60'	0.54	
71 1301100R12"	C.M. Pipe	16'	0.64	
72 1301100R15"	C.M. Pipe	90'	0.64	
73 1310100R15"	C.M. Pipe	16'	0.64	
74 1311100R15"	C.M. Pipe	32'	0.64	
75 1312170R15"	C.M. Pipe	16'	0.64	
76 1316130R15"	C.M. Pipe	48'	0.64	Remove 15" C.M. Pipe in place. Construct inlet & outlet. Construct L. Wall on Lt.
77 1321135 15"	C.M. Pipe	39'	831.0 830.6 2.03	Remove Pipe in place
78 1325125R12"	C.M. Pipe	16'	0.54	
79 1325170R12"	C.M. Pipe	50'	834.6 833.8 1.63	Remove 12" C.M. Pipe in place
80 13241162 15"	C.M. Pipe	16'	0.54	
81 13241511 12"	C.M. Pipe	12'	0.54	Omit Hdwalls and construct around tree.
82 13241511 12"	C.M. Pipe	16'	0.54	
83 13241511 12"	C.M. Pipe	16'	0.54	
84 13241511 12"	C.M. Pipe	16'	0.54	
85 13241511 12"	C.M. Pipe	16'	0.54	
86 13241511 12"	C.M. Pipe	16'	0.54	
87 13241511 12"	C.M. Pipe	16'	0.54	Remove 12" C.M. Pipe in place
88 13241511 12"	C.M. Pipe	16'	0.54	Remove 12" C.M. Pipe in place
89 13241511 12"	C.M. Pipe	16'	0.54	Extend 12" C.M. Pipe in place 12' Rt & 12' Lt.
90 13241511 12"	C.M. Pipe	16'	0.54	Remove 8" V.C. Pipe in place
91 13241511 12"	C.M. Pipe	16'	0.54	Remove 8" V.C. Pipe in place & 12" F. Tile in place. Construct Outlet.
92 13241511 12"	C.M. Pipe	16'	0.54	

Continued on sheet No. 13

Revised 11-18-35
Revised 11-13-35
Revised 11-15-35

