

SHEET NO	TITLE PAGE
1	TITLE PAGE
2	TYPICAL CROSS-SECTION OF IMPROVEMENT
3	BANKING AND WIDENING TABLES
4-9	PLAN AND PROFILE STA.
10	STANDARD SHEET S-30
11	S-31
12	S-40

ONE COURSE CEMENT CONCRETE PAVEMENT - ITEM 23
 GUARD RAIL
 LIP CURB
 SIGNS LIGHTS & BARRICADES

STANDARD SHEET S-30 APPROVED BY THE CHIEF ENGINEER JULY 15, 1933.
 STANDARD SHEET S-31 APPROVED BY THE CHIEF ENGINEER JULY 25, 1936.

STATE OF VERMONT
 STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
 STATE HIGHWAY

FEDERAL AID PROJECT

TOWN OF WALLINGFORD

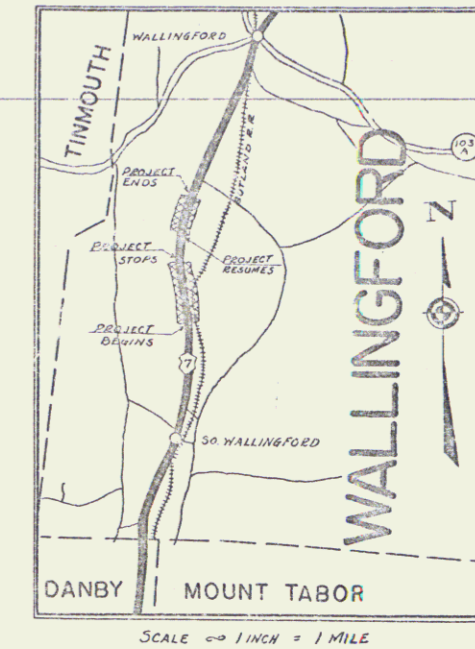
MANCHESTER-RUTLAND ROAD

Pin# 99R488

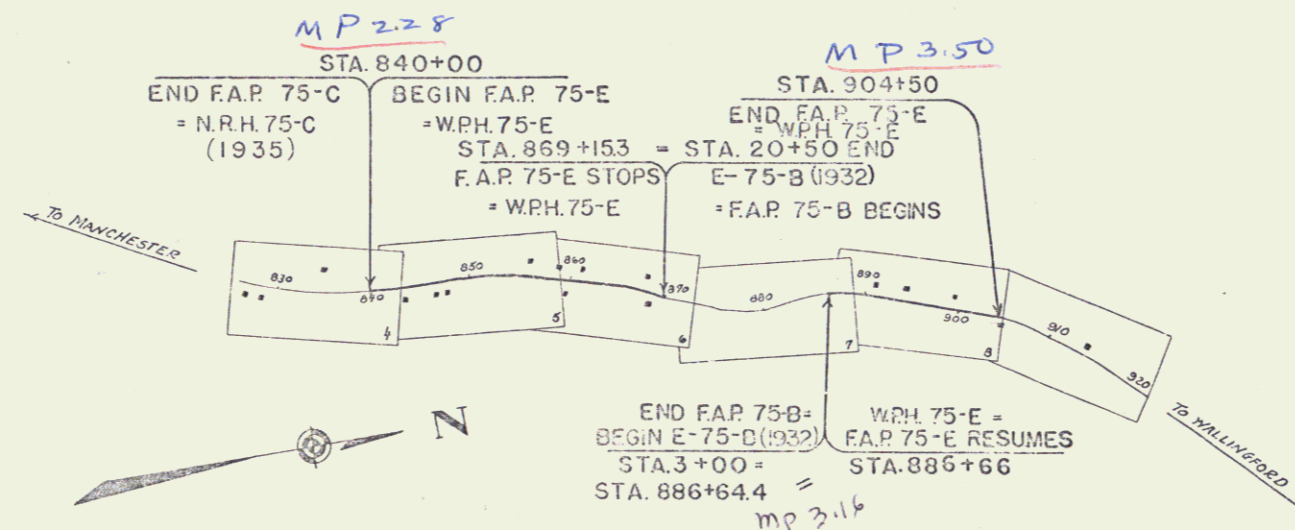
FROM A POINT 5800 FT. NORTH OF THE INTERSECTION OF THE TOWN ROAD TO THE DEPOT IN SOUTH WALLINGFORD VILLAGE NORTHERLY 0.889 MILES TO A POINT 900 FT. SOUTH OF THE INTERSECTION OF THE TOWN ROAD TO E.WALLINGFORD-EXCLUDING F.A.P E-75-B.

LENGTH OF PROJECT 4694.6 FT. = 0.889 MILES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	PROJ. YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	25-E	1937	7	12



Rte. US 7



APPROVED: *[Signature]*
 COMMISSIONER OF HIGHWAYS
 SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Project No. F.A.P 75E/W.P.H. 75E

CONVENTIONAL SIGNS	
COUNTY LINE	GROUND ELEVATION
TOWN LINE	RETAINING WALL
FENCE LINE	CENTER LINE
STONE WALL	SURVEY LINE
UNFENCED PROPERTY	CULVERT
GUARD RAIL	DROP INLET
TRAVELED WAY	TROLLEY POLE
RAILROAD	POWER POLE
RETAINING WALL	TELEPHONE POLE
CENTER LINE	TREES
SURVEY LINE	HEDGE

SCALES	
TITLE	1" = 1000'
TYPICAL	1" = 2'
PLAN	1" = 50'
PROFILE	1" = 20'

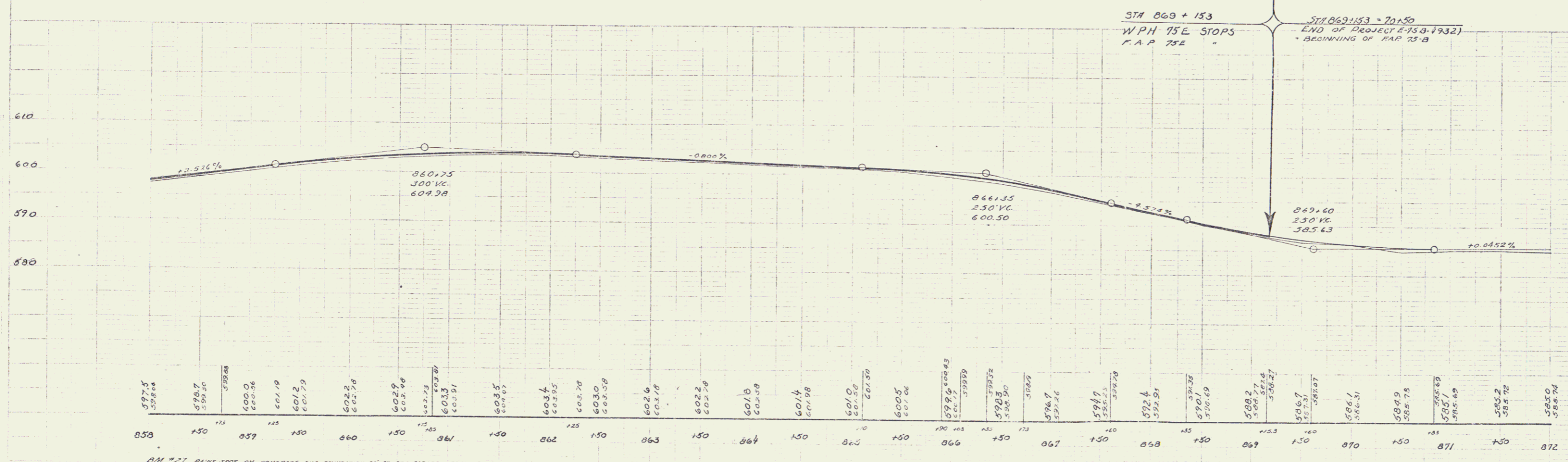
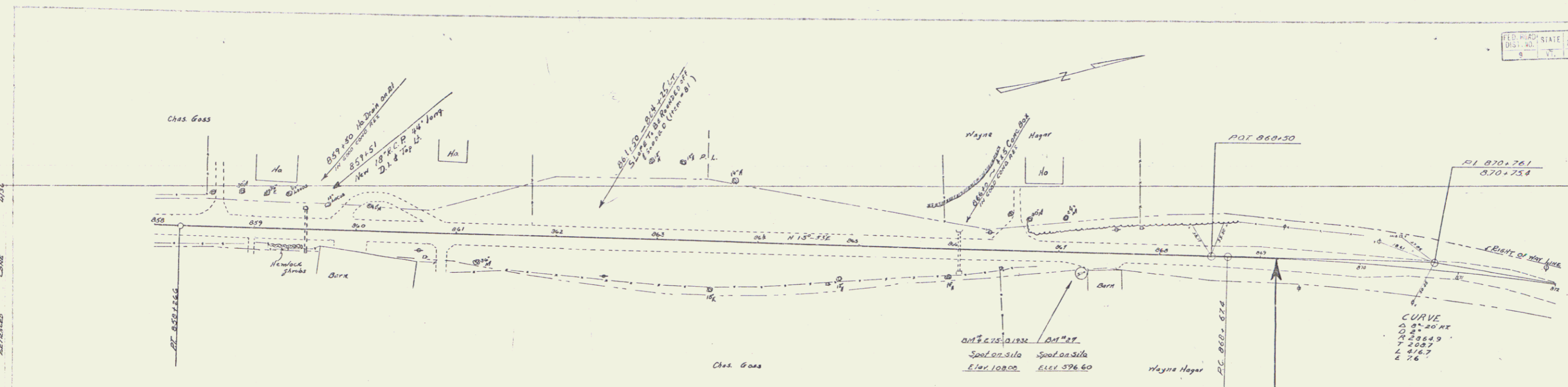
These plans are subject to such revisions as may be required by the Bureau of Public Roads or the Commissioner of Highways. Construction is to be carried in accordance with the plans and Standard Road and Bridge Specifications of 1930 including all subsequent approved revisions and such revised specifications and special provisions as are submitted with the plans.

RECOMMENDED: *[Signature]*
 DISTRICT ENGINEER BUREAU OF PUBLIC ROADS
 RECOMMENDED FOR APPROVAL: *[Signature]*
 CHIEF ENGINEER BUREAU OF PUBLIC ROADS
 APPROVED: *[Signature]*
 DISTRICT ENGINEER BUREAU OF PUBLIC ROADS

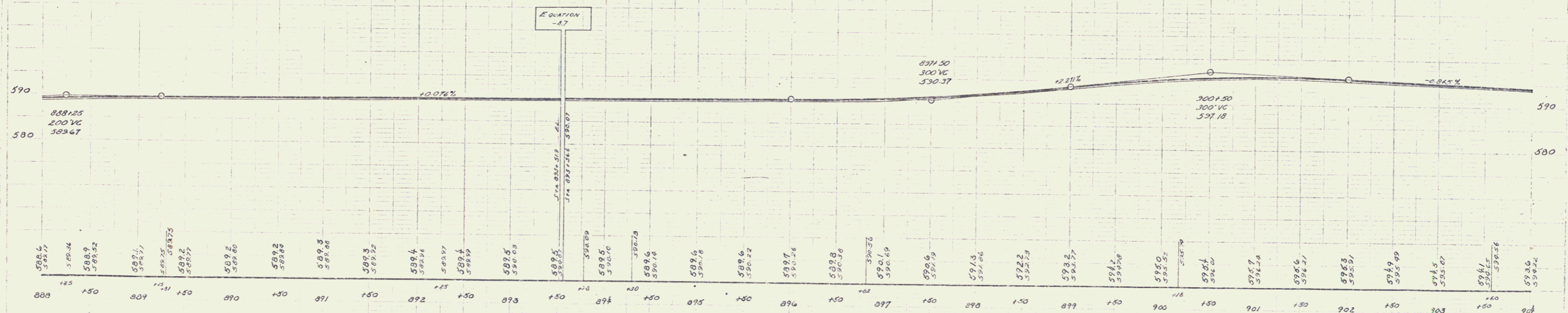
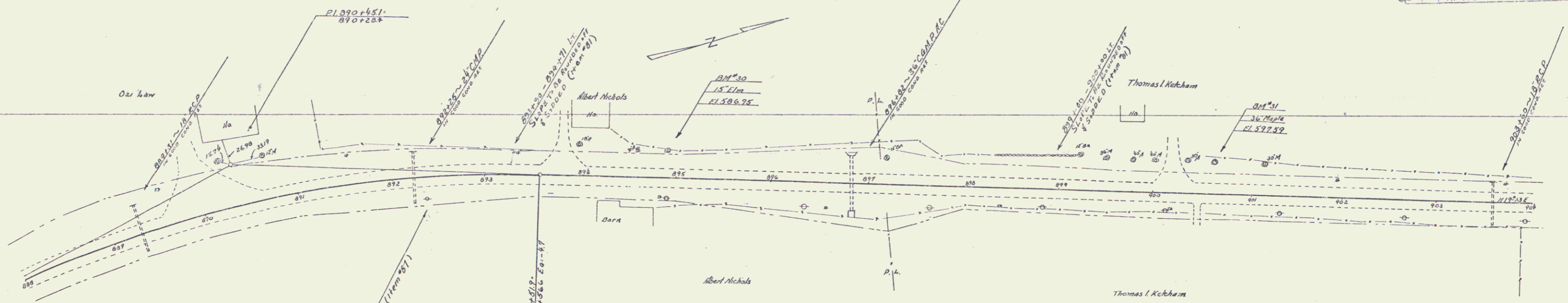
June 15, 1936
 SERIES 14-P-110 75A-F-30
 SHEET 7 OF 12



2.00
 2.00
 4.00
 4.00
 8.00
 8.00
 16.00
 16.00
 32.00
 32.00
 64.00
 64.00
 128.00
 128.00
 256.00
 256.00
 512.00
 512.00
 1024.00
 1024.00
 2048.00
 2048.00
 4096.00
 4096.00
 8192.00
 8192.00
 16384.00
 16384.00
 32768.00
 32768.00
 65536.00
 65536.00
 131072.00
 131072.00
 262144.00
 262144.00
 524288.00
 524288.00
 1048576.00
 1048576.00
 2097152.00
 2097152.00
 4194304.00
 4194304.00
 8388608.00
 8388608.00
 16777216.00
 16777216.00
 33554432.00
 33554432.00
 67108864.00
 67108864.00
 134217728.00
 134217728.00
 268435456.00
 268435456.00
 536870912.00
 536870912.00
 1073741824.00
 1073741824.00
 2147483648.00
 2147483648.00
 4294967296.00
 4294967296.00
 8589934592.00
 8589934592.00
 17179869184.00
 17179869184.00
 34359738368.00
 34359738368.00
 68719476736.00
 68719476736.00
 137438953472.00
 137438953472.00
 274877906944.00
 274877906944.00
 549755813888.00
 549755813888.00
 1099511627776.00
 1099511627776.00
 2199023255552.00
 2199023255552.00
 4398046511104.00
 4398046511104.00
 8796093022208.00
 8796093022208.00
 17592186044416.00
 17592186044416.00
 35184372088832.00
 35184372088832.00
 70368744177664.00
 70368744177664.00
 140737488355328.00
 140737488355328.00
 281474976710656.00
 281474976710656.00
 562949953421312.00
 562949953421312.00
 1125899906842624.00
 1125899906842624.00
 2251799813685248.00
 2251799813685248.00
 4503599627370496.00
 4503599627370496.00
 9007199254740992.00
 9007199254740992.00
 18014398509481984.00
 18014398509481984.00
 36028797018963968.00
 36028797018963968.00
 72057594037927936.00
 72057594037927936.00
 144115188075855872.00
 144115188075855872.00
 288230376151711744.00
 288230376151711744.00
 576460752303423488.00
 576460752303423488.00
 1152921504606846976.00
 1152921504606846976.00
 2305843009213693952.00
 2305843009213693952.00
 4611686018427387904.00
 4611686018427387904.00
 9223372036854775808.00
 9223372036854775808.00
 18446744073709551616.00
 18446744073709551616.00
 36893488147419103232.00
 36893488147419103232.00
 73786976294838206464.00
 73786976294838206464.00
 147573952589676412928.00
 147573952589676412928.00
 295147905179352825856.00
 295147905179352825856.00
 590295810358705651712.00
 590295810358705651712.00
 1180591620717411303424.00
 1180591620717411303424.00
 2361183241434822606848.00
 2361183241434822606848.00
 4722366482869645213696.00
 4722366482869645213696.00
 9444732965739290427392.00
 9444732965739290427392.00
 18889465931478580854784.00
 18889465931478580854784.00
 37778931862957161709568.00
 37778931862957161709568.00
 75557863725914323419136.00
 75557863725914323419136.00
 151115727451828646838272.00
 151115727451828646838272.00
 302231454903657293676544.00
 302231454903657293676544.00
 604462909807314587353088.00
 604462909807314587353088.00
 1208925819614629174706176.00
 1208925819614629174706176.00
 2417851639229258349412352.00
 2417851639229258349412352.00
 4835703278458516698824704.00
 4835703278458516698824704.00
 9671406556917033397649408.00
 9671406556917033397649408.00
 19342813113834066795298816.00
 19342813113834066795298816.00
 38685626227668133590597632.00
 38685626227668133590597632.00
 77371252455336267181195264.00
 77371252455336267181195264.00
 154742504910672534362390528.00
 154742504910672534362390528.00
 309485009821345068724781056.00
 309485009821345068724781056.00
 618970019642690137449562112.00
 618970019642690137449562112.00
 1237940039285380274899124224.00
 1237940039285380274899124224.00
 2475880078570760549798248448.00
 2475880078570760549798248448.00
 4951760157141521099596496896.00
 4951760157141521099596496896.00
 9903520314283042199192993792.00
 9903520314283042199192993792.00
 19807040628566084398385987584.00
 19807040628566084398385987584.00
 39614081257132168796771975168.00
 39614081257132168796771975168.00
 79228162514264337593543950336.00
 79228162514264337593543950336.00
 158456325028528675187087900672.00
 158456325028528675187087900672.00
 316912650057057350374175801344.00
 316912650057057350374175801344.00
 633825300114114700748351602688.00
 633825300114114700748351602688.00
 1267650600228229401496703205376.00
 1267650600228229401496703205376.00
 2535301200456458802993406410752.00
 2535301200456458802993406410752.00
 5070602400912917605986812821504.00
 5070602400912917605986812821504.00
 10141204801825835211973625643008.00
 10141204801825835211973625643008.00
 20282409603651670423947251286016.00
 20282409603651670423947251286016.00
 40564819207303340847894502572032.00
 40564819207303340847894502572032.00
 81129638414606681695789005144064.00
 81129638414606681695789005144064.00
 162259276832213363391578010288128.00
 162259276832213363391578010288128.00
 324518553664426726783156020576256.00
 324518553664426726783156020576256.00
 649037107328853453566312041152512.00
 649037107328853453566312041152512.00
 1298074214577067007132624022305024.00
 1298074214577067007132624022305024.00
 2596148429154134014265248044610048.00
 2596148429154134014265248044610048.00
 5192296858308268028530496089220096.00
 5192296858308268028530496089220096.00
 10384593716616536057060992178440192.00
 10384593716616536057060992178440192.00
 20769187433233072114121984356880384.00
 20769187433233072114121984356880384.00
 41538374866466144228243968713760768.00
 41538374866466144228243968713760768.00
 83076749732932288456487937427521536.00
 83076749732932288456487937427521536.00
 16615349946586457691297587485503072.00
 16615349946586457691297587485503072.00
 33230699893172915382595174971006144.00
 33230699893172915382595174971006144.00
 66461399786345830765190349942012288.00
 66461399786345830765190349942012288.00
 132922799572691661510380699884025728.00
 132922799572691661510380699884025728.00
 265845599145383323020761399768051456.00
 265845599145383323020761399768051456.00
 531691198290766646041522799536102912.00
 531691198290766646041522799536102912.00
 1063382396581533292083045599072205824.00
 1063382396581533292083045599072205824.00
 21267647931630665841660911981444111648.00
 21267647931630665841660911981444111648.00
 42535295863261331683321823962888233296.00
 42535295863261331683321823962888233296.00
 85070591726522663366643647925774665592.00
 85070591726522663366643647925774665592.00
 1701411834530453267332872958515493311808.00
 1701411834530453267332872958515493311808.00
 3402823669060906534665745917030866623616.00
 3402823669060906534665745917030866623616.00
 6805647338121813069331491834061733247328.00
 6805647338121813069331491834061733247328.00
 136112946762436261386629836681224664494656.00
 136112946762436261386629836681224664494656.00
 2722258935248725227732596733624432889112.00
 2722258935248725227732596733624432889112.00
 5444517870497450455465193467248867778224.00
 5444517870497450455465193467248867778224.00
 10889035740994900910930386934497355456448.00
 10889035740994900910930386934497355456448.00
 21778071481989801821860773868994710912912.00
 21778071481989801821860773868994710912912.00
 43556142963979603643721547737989421822824.00
 43556142963979603643721547737989421822824.00
 87112285927959207287443095475978843445648.00
 87112285927959207287443095475978843445648.00
 1742245718559184145748861890519576868912.00
 1742245718559184145748861890519576868912.00
 3484491437118368291497738181039537737724.00
 3484491437118368291497738181039537737724.00
 6968982874236736582995476362079075475448.00
 6968982874236736582995476362079075475448.00
 13937965748473473165990952724158150910896.00
 13937965748473473165990952724158150910896.00
 278759314969469463319819054483163821781792.00
 278759314969469463319819054483163821781792.00
 55751862993893892663963810896632753553584.00
 55751862993893892663963810896632753553584.00
 111503725987787785327927621793254671107168.00
 111503725987787785327927621793254671107168.00
 223007451975575570655855243586509382142336.00
 223007451975575570655855243586509382142336.00
 446014903951151141311710487173018764284672.00
 446014903951151141311710487173018764284672.00
 892029807902302282623420974346035285669344.00
 892029807902302282623420974346035285669344.00
 178405961580460456524684194869207051333888.00
 178405961580460456524684194869207051333888.00
 356811923160920913049368389738414106677776.00
 356811923160920913049368389738414106677776.00
 713623846321841826098736779476828213335552.00
 713623846321841826098736779476828213335552.00
 1427247692643683652197473558953656466711008.00
 1427247692643683652197473558953656466711008.00
 28544953852873673043949471179071123222016.00
 28544953852873673043949471179071123222016.00
 57089907705747346087898942358142444440032.00
 5708990770574734608789894235814244440032.00
 1141798154114946921757978847162848880064.00
 1141798154114946921757978847162848880064.00
 228359630822989384351595764432577600128.00
 228359630822989384351595764432577600128.00
 456719261645978768703191528865155200256.00
 456719261645978768703191528865155200256.00
 91343852329195753740638305773030400512.00
 91343852329195753740638305773030400512.00
 1826877046583915074812766115460608010224.00
 1826877046583915074812766115460608010224.00
 3653754093167830149625532229121216020448.00
 3653754093167830149625532229121216020448.00
 7307508186335660299251064458242424040896.00
 7307508186335660299251064458242424040896.00
 146150163726713205985021289648484808171776.00
 146150163726713205985021289648484808171776.00
 292300327453426411970042579296969614343552.00
 292300327453426411970042579296969614343552.00
 584600654906852823940085158593939228687104.00
 584600654906852823940085158593939228687104.00
 1169201309813705647880170317187878457374208.00
 1169201309813705647880170317187878457374208.00
 2338402619627411295760340634375756914744448.00
 2338402619627411295760340634375756914744448.00
 467680523925482259152068126875151382888896.00
 46768052392548225915206812687515138288896.00
 935361047850964518304136253750302765777792.00
 935361047850964518304136253750302765777792.00
 187072209570192903660827250750060551555544.00
 187072209570192903660827250750060551555544.00
 374144419140385807321654501500121101111088.00
 374144419140385807321654501500121101111088.00
 748288838280771614643309003000242202222176.00
 748288838280771614643309003000242202222176.00
 149657767656154322928661800600048444444352.00
 149657767656154322928661800600048444444352.00
 299315535312308645857323601200096888888704.00
 299315535312308645857323601200096888888704.00
 598631070624617291714647202400193777777408.00
 598631070624617291714647202400193777777408.00
 11972621412492345834292894448003875555548.00
 11972621412492345834292894448003875555548.00
 23945242824984691668585788896007751111196.00
 23945242824984691668585788896007751111196.00
 47890485649969383337171577792015502222392.00
 47890485649969383337171577792015502222392.00
 9578097129993876667434315558403100444784.00
 9578097129993876667434315558403100444784.00
 19156194259987753334868631116806200889568.00
 19156194259987753334868631116806200889568.00
 38312388519975506669737262233612401779136.00
 38312388519975506669737262233612401779136.00
 76624777039951013339474524467224803558372.00
 7662477703995101333947452



BM #27 PLANT SPOT ON CONCRETE SILL FOUNDATION 20' BY 31A 867133 ELEV. 596.60



BM 30 Spike in Root 15' Elm 27' Lt Sta 074+07 Elev 506.95
 BM 31 Spike in Root 35' Maple 35' Lt Sta 900+59 Elev 592.59

INDEX OF SHEETS

SHEET NO.	TITLE PAGE	ITEM 29
1	TITLE PAGE	
2	TYPICAL CROSS-SECTION OF IMPROVEMENT	GRADING, DRAINAGE, & BASE WITH DOUBLE TACK COAT OF REFINED TAR
3	BANKING AND WIDENING TABLES	
4-2A	PLAN AND PROFILE SHEETS	
9	STANDARD STRUCTURE SHEET S29	PIPE CULVERTS
10	"	BOX "
11	"	S30 UNDERDRAIN & WALL
12	"	S31 BOUNDARY MARKERS
13	"	S40 BARRICADES, SIGNS & LIGHTS
14-23	CROSS SECTIONS	

Standard sheets S29 and S29 approved by the Chief Engineer on July 11, 1933.

Standard sheet S30 approved by the Chief Engineer on Aug. 13, 1933.

Standard sheet S31 approved by the Chief Engineer on July 25, 1934.

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

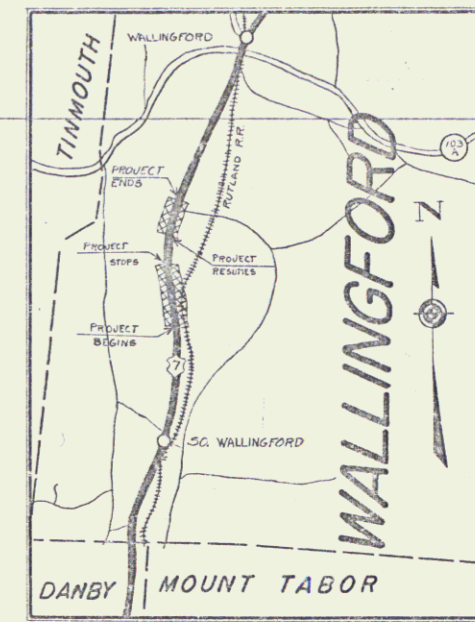
U. S. WORKS PROGRAM HIGHWAY PROJECT

TOWN OF WALLINGFORD

MANCHESTER-RUTLAND ROAD

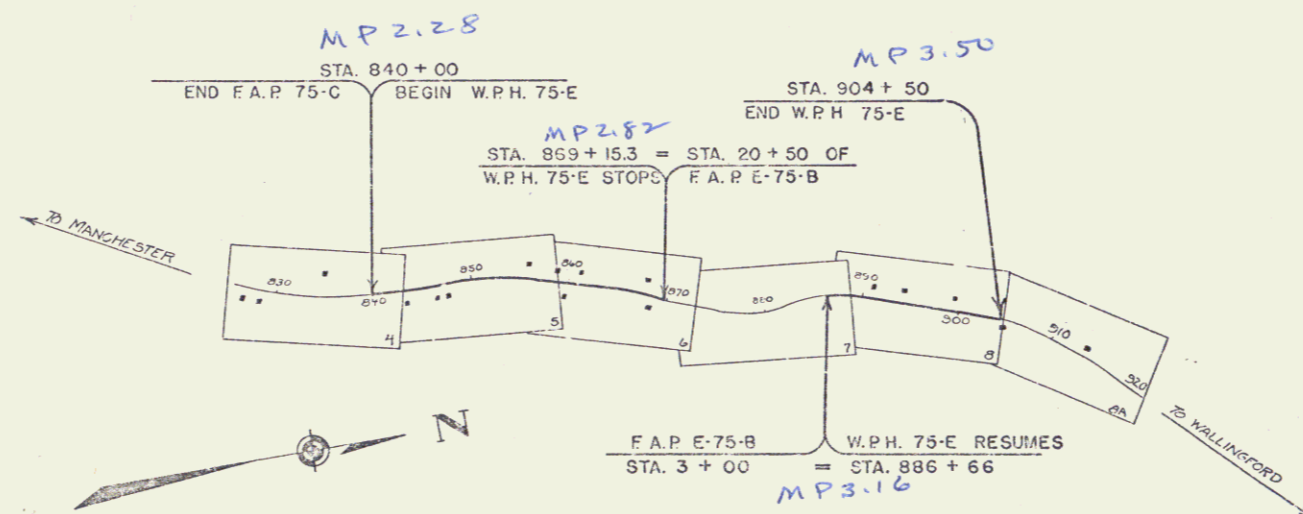
BEGINNING AT A POINT IN FRONT OF THE RESIDENCE OF GEO. STAFFORD AND EXTENDING NORTHERLY 0.889 MILES, TO A POINT 475 FT. NORTH OF THE RESIDENCE OF T. I. KETCHAM, EXCLUDING F. A. PROJECT E-75-B.

FED. ROAD DIST. NO.	STATE	W.P.H. PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	Vt.	75E	1934	1	23



LENGTH OF PROJECT 4694.6 FT. = 0.889 MILES

RIGHT-OF-WAY DIVISION
TOWN FILE
Rte. PERPETUAL
US 7
(To be Returned To R.O.W. Division)



CONVENTIONAL SIGNS

COUNTY LINE	GROUND ELEVATION	DATUM	LINE
TOWN LINE	GRADE ELEVATION	DATUM	LINE
FENCE LINE			
STONE WALL			
UNFENCED PROPERTY			
GUARD RAIL			
TRAVELED WAY			
RAILROAD			
RETAINING WALL			
CENTER LINE			
SURVEY LINE			
CULVERT			
DROP INLET			
TROLLEY POLE			
POWER POLE			
TELEPHONE POLE			
TREES			
HEDGE			

SCALES

TITLE	1" = 1000'
TYPICAL	1" = 2'
PLAN	1" = 50'
PROFILE - HOR.	1" = 50'
PROFILE - VER.	1" = 10'
CROSS-SECTIONS	1" = 5'

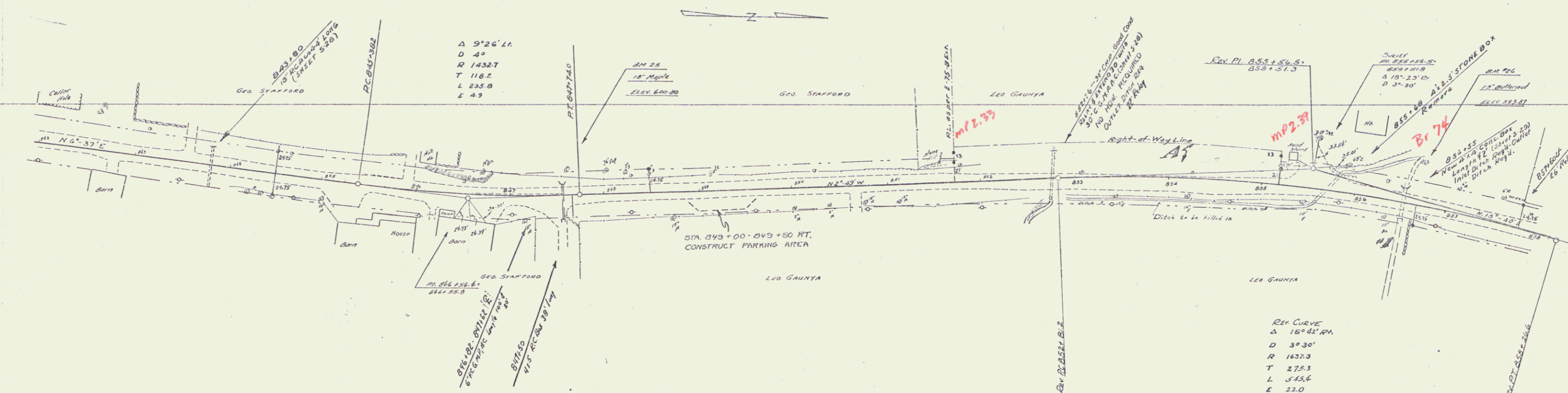
These plans are subject to such revisions as may be required by the Bureau of Public Roads or the Commissioner of Highways. Contractor is to be carried in accordance with the plans and Standard Road and Bridge Specifications of 1934 including all subsequent approved revisions and such revised specifications and special provisions as are submitted with the plans.

APPROVED: SEPT. 18, 1935.
[Signature]
COMMISSIONER OF HIGHWAYS

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

RECOMMENDED [Signature] DISTRICT ENGINEER BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL [Signature] CHIEF ENGINEER BUREAU OF PUBLIC ROADS
APPROVED [Signature] DIRECTOR - BUREAU OF PUBLIC ROADS

CORRECT: [Signature] ROAD ENGINEER
SERIES WITH NO. 75E FILED
SHEET 1 OF 23



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A	O.C.D.	2-15-33	L. J. & M. E. GAUNYA	STOR V.	BOOK PAGE DATE	CUL. STA.
CUL#1	Q.C.D.	7-26-35	" "	"	25 206 7-27-35	856+58



STA	12" SUB-BASE OF GRAVEL	18" SUB-BASE OF GRAVEL	12" SUB-BASE OF GRAVEL	18" SUB-BASE OF GRAVEL	12" SUB-BASE OF GRAVEL	18" SUB-BASE OF GRAVEL	12" SUB-BASE OF GRAVEL
842	843	844	845	846	847	848	849
850	851	852	853	854	855	856	857
858							

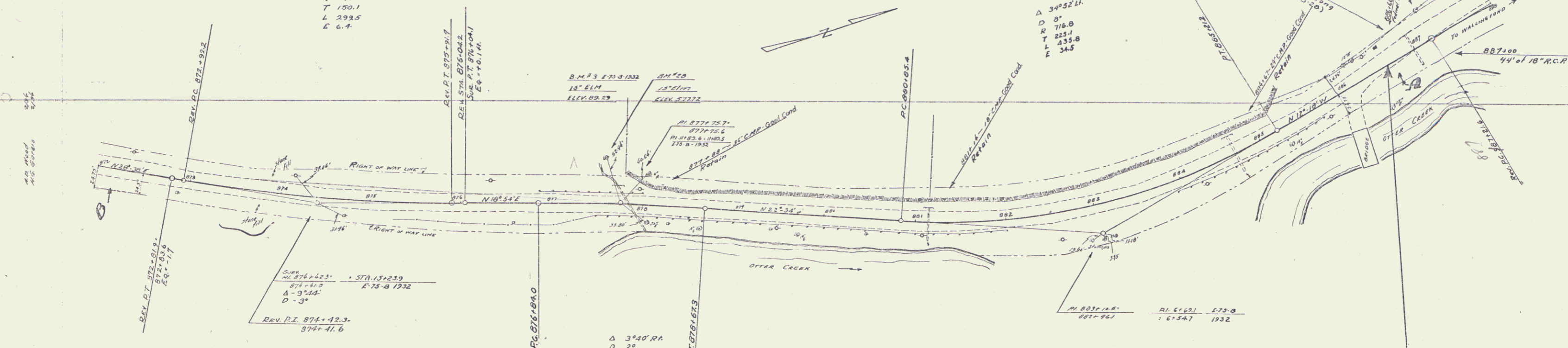
BM# 25 Spike in roof 18" Maple 25ft. H. Sta 847+60 ELEV 600.80
 BM# 26 Spike in roof 18" Outwood 45ft. H. Sta 856+58 ELEV 593.87

REV. CURVE
Δ 3°25'11"
D 371.5'
R 1763.2
T 150.1
L 293.5
E 6.4

Δ 3°45'21"
D 8'
R 716.0
T 225.1
L 133.8
E 34.5

Δ 3°40'01"
D 20'
R 2044.9
T 91.7
L 183.3
E 1.5

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A-B	W.O.	10-18-35	M.C. & E.R. HAGAR	WILLINGFORD	25	226 10-18-35
A-B-C	W.O.	7-26-35	A.E. & B.G. MITCHELL	"	25	210 7-29-35

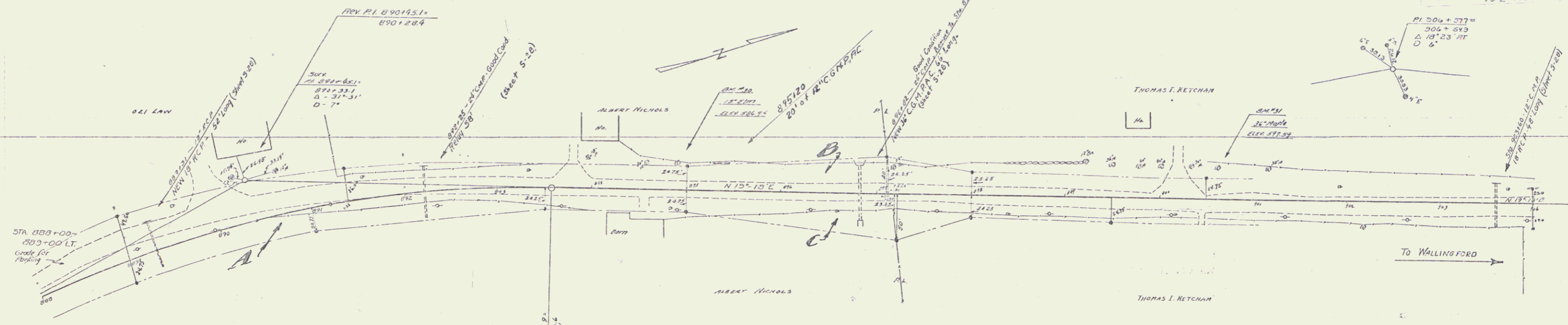


A.B. WOOD
Spike

Station	Elevation
872+00	586.0
872+05	586.5
873+00	585.3
873+05	585.7
874+00	585.5
874+05	585.7
875+00	585.5
875+05	585.6
876+00	585.4
876+05	585.3
877+00	585.5
877+05	585.5
878+00	585.7
878+05	585.6
879+00	585.7
879+05	585.7
880+00	585.4
880+05	585.2
881+00	585.3
881+05	585.3
882+00	585.3
882+05	585.6
883+00	585.4
883+05	585.6
884+00	585.6
884+05	585.6
885+00	585.9
885+05	586.0
886+00	586.4
886+05	586.4
887+00	586.6
887+05	586.7
888+00	586.6
888+05	586.6

BM 28 Spike in Roof 15' Elm 31 ft U Sta 877+57 Elev 577.72
BM 29 Spike in Roof 15' Elm 35 ft U Sta 887+03 Elev 588.41

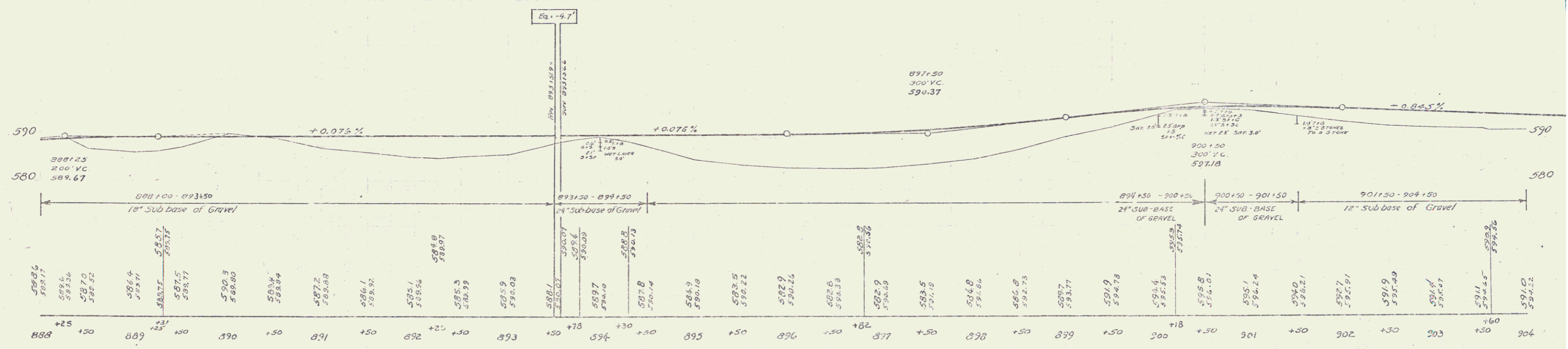
Series WPH No. 75-E
Spec. 7 of 23



REV CURVE
 $\Delta = 31^{\circ} 31' 11''$
 $D = 5'$
 $R = 1146.3$
 $T = 32.35$
 $L = 630.3$
 $E = 44.0$

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A, B, C	W.D.	7-26-35	A. E. & G. NICHOLS	ST. OF W.	210	7-29-35
A, B	W.D.	7-29-35	T. I. R. & E. KETCHAM	"	219	7-31-35

STA. 904+50
 END OF PROJECT
 W.P.H. 15E.



BM*30 Spike in Roof 15' EL 27 1/2 Sta 894+87 Elev 586.95
 BM*31 Spike in Roof 30' MARK 23 1/2 Sta 900+39 Elev 597.39