

**INDEX OF SHEETS**

SHEET NO. 1	TITLE PAGE
" 2	TYPICAL CROSS-SECTION OF IMPROVEMENT
" 3	BANKING AND WIDENING TABLES
" 4-20	PLAN AND PROFILE SHEETS
" 21	STANDARD STRUCTURE SHEET 530 GUARD RAIL AND GUIDE POSTS
" 22 5-40	SIGNS AND LIGHTS & BACKSCATTERS
"	STANDARD STRUCTURE SHEET 5-30 APPROVED BY CHIEF ENGINEER ON AUGUST 15 1933

2 1/2" Gravel Mixed in Place Surface Course with Retained Top 10% 2 1/2" & 2 1/4" Plant Mixed Gravel Surface Course with Cut-Back Asphalt, Item 97.

STATE OF VERMONT  
STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	F.A.P. PROJ. NO.	FISCAL YEAR	PROJECT YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	78 G	1934	1	22	

(To Be Returned To E.O.W. Division)  
Form of VT-12  
PERPETUAL  
E.O.W. FILE  
RIGHT-OF-WAY DIVISION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY

FEDERAL AID PROJECT

TOWNS OF NORTHFIELD-ROXBURY

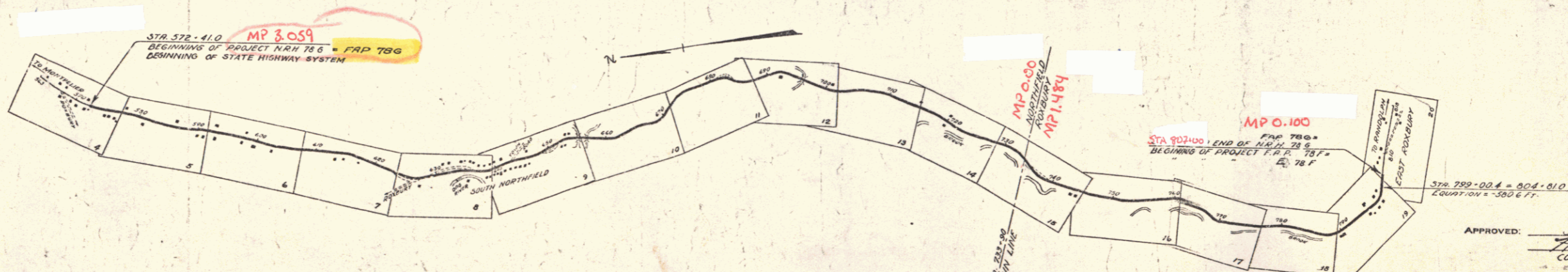
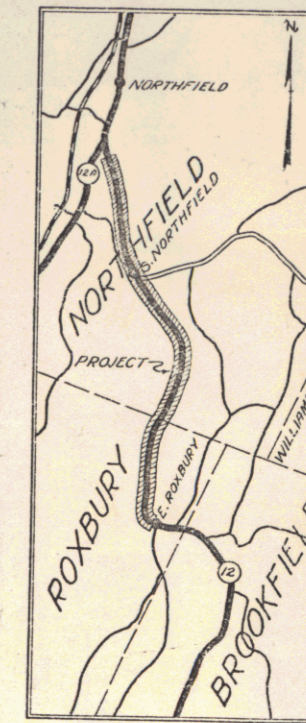
MONTPELIER-RANDOLPH ROAD

FROM 426 FEET SOUTH OF ITS INTERSECTION WITH ROUTE 12A, SOUTHERLY 4.317 MILES TO 350 FEET NORTHERLY OF THE EAST ROXBURY SCHOOL.

LENGTH OF PROJECT 22 795.0 FT. = 4.317 MILES

Pin# 99R 988

Rt VT12



RECORD PLANS

SCALES  
TITLE 1" = 1000'  
PLAN 1" = 50'  
PROFILE HOR. 1" = 50'  
VERT. 1" = 10'

NOTE:  
NRH 78 G, YEAR 1934, CONTR. - TROY PAVING CO.  
FAP 78 G, YEAR 1937, CONTR. - CALLAN CONST. CO.

**CONVENTIONAL SIGNS**

COUNTY LINE	.....
TOWN LINE	.....
FENCE LINE	.....
STONE WALL	.....
UNFENCED PROPERTY	.....
GUARD RAIL	.....
TRAVELED WAY	.....
RAILROAD	.....
RETAINING WALL	.....
CENTER LINE	.....
SURVEY LINE	.....
C&P VERT.	.....
C&P INLET	.....
TROLLEY POLE	.....
POWER POLE	.....
TELEPHONE POLE	.....
TREES	.....
HEDGE	.....

**CURVE DATA**

DEFLECTION ANGLE	..... Δ
DEGREE OF CURVE	..... D
RADIUS OF CURVE	..... R
TANGENT DISTANCE	..... T
LENGTH OF CURVE	..... L
EXTERNAL DISTANCE	..... E
POINT OF INTERSECTION	..... P. I.
POINT OF CURVE	..... P. C.
POINT OF TANGENT	..... P. T.
POINT ON TANGENT	..... P. O. T.

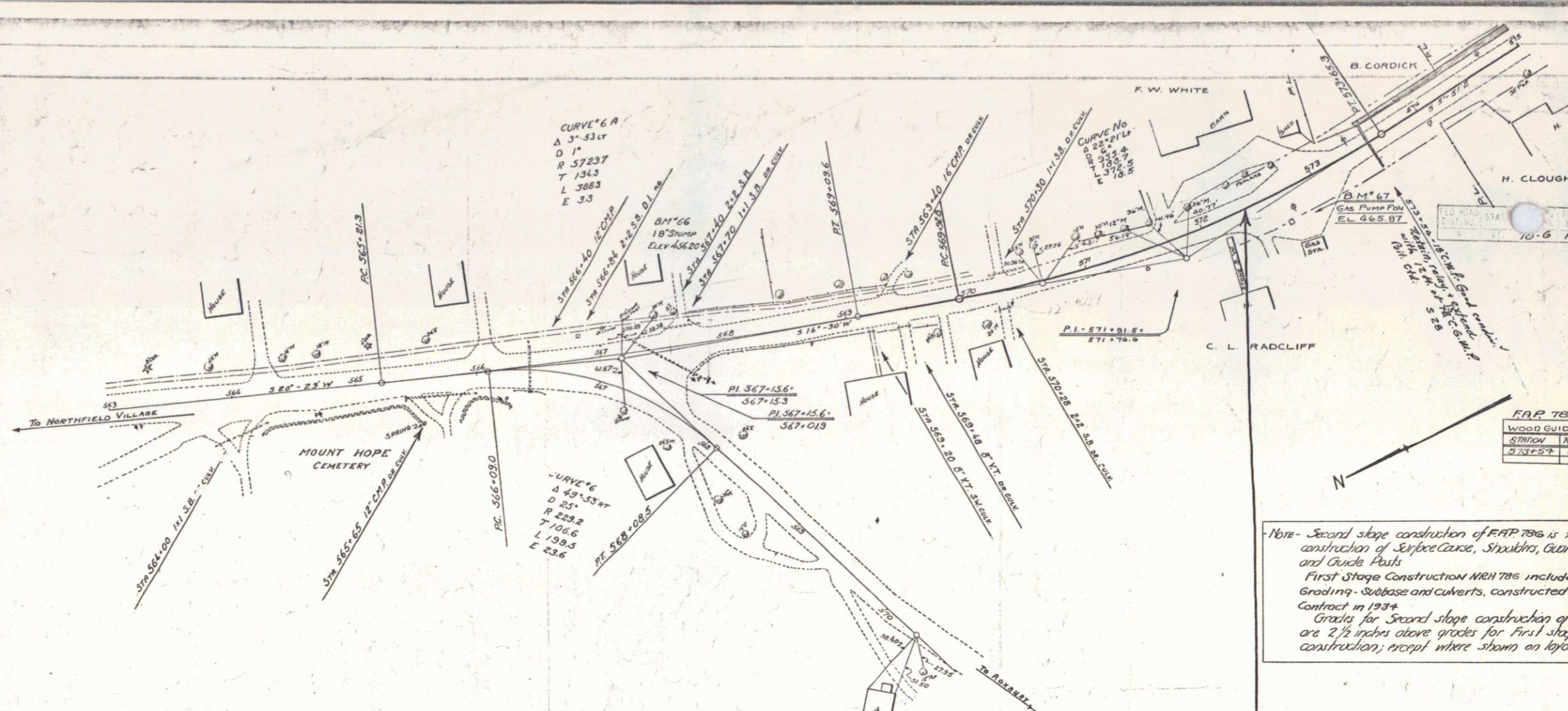
Note: The alignment and grades for this project are to be the same as on the original plans originally submitted for NRH 78 G, except that the grade is raised 2 1/2 inches.

Note: 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 on 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 permitted with the plans.

APPROVED: JULY 21, 1935, April 1, 1935  
H. S. Stewart  
COMMISSIONER OF HIGHWAYS

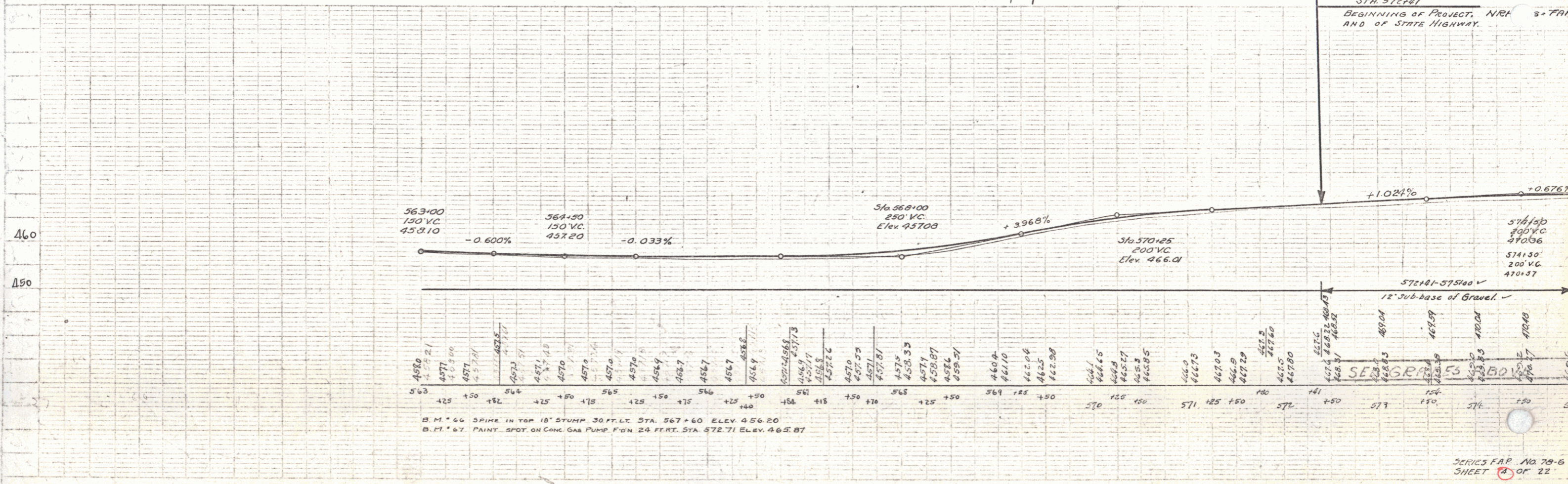
RECOMMENDED  
RECOMMENDED

PLAN	Vertical
DATE	10-6-1934
BY	J. W. WHITE
CHECKED	H. C. CLOUGH
APPROVED	J. W. WHITE



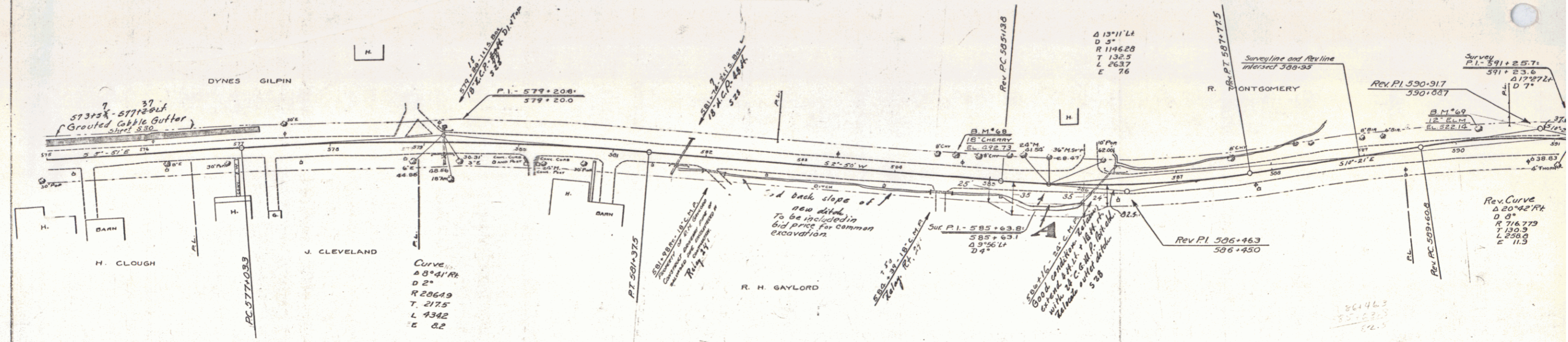
Note - Second stage construction of FAP 786 is to include construction of surface course, sidewalks, guard rails and grade cuts.  
 First Stage Construction work included grading, sub-base and culverts, constructed by contract in 1934.  
 Grades for second stage construction of are 2 1/2 inches above grades for first stage construction, except where shown on layouts.

STA 572+81  
 BEGINNING OF PROJECT, N.E. 3-786  
 AND OF STATE HIGHWAY.

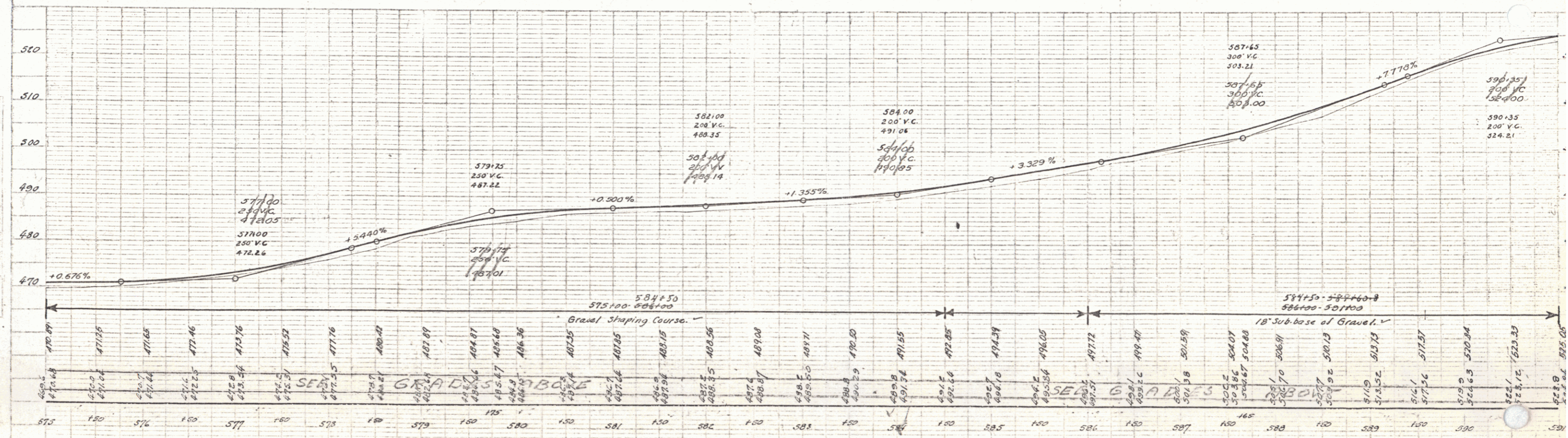


**FAR 78B**  
WOOD CURVE DATA

Station	27	28
Elev	471.00	471.00
Dist	1	1
Dist	1	1
Dist	1	1
Dist	1	1



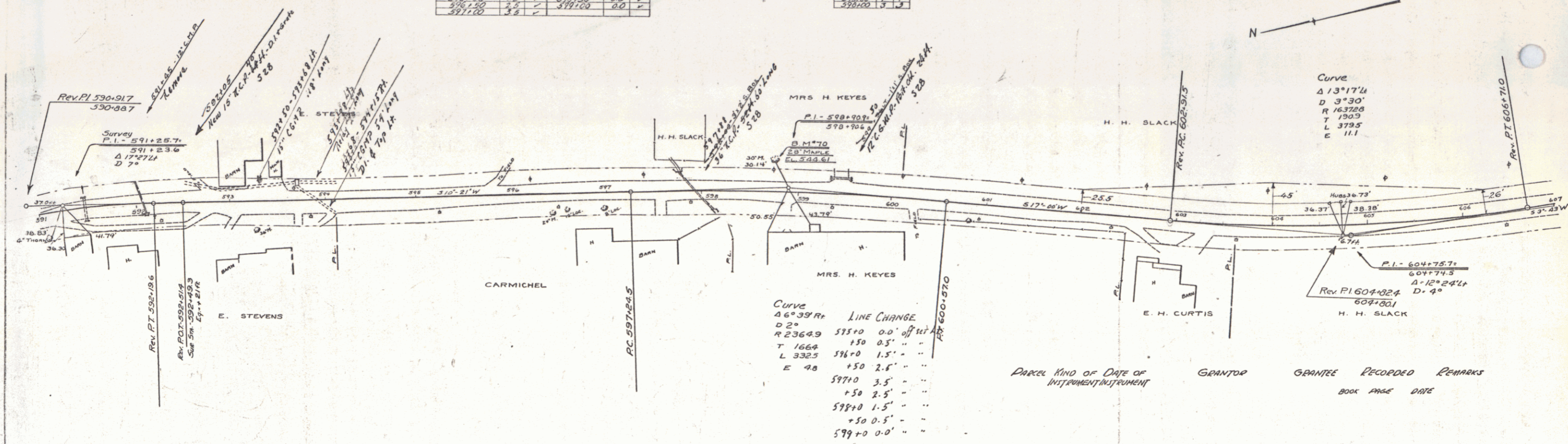
PARCEL	KIND OF INSTRUMENT	DATE OF INSTRUMENT	GRANTOR	GRANTEE	RECORDED BOOK PAGE DATE	REMARKS
A-B	Q.C.D.	9-7-33	R.H. GAYLORD	ST. OF IT.	42 306 1-12-34	



B. M. \* 68 SPIKE IN ROOT 18" CHERRY 24 FT. LT. STA. 584+66 ELEV. 492.73  
 B. M. \* 69 SPIKE IN TRUNK 12" ELM 12 FT. LT. STA. 590+23 ELEV. 522.14

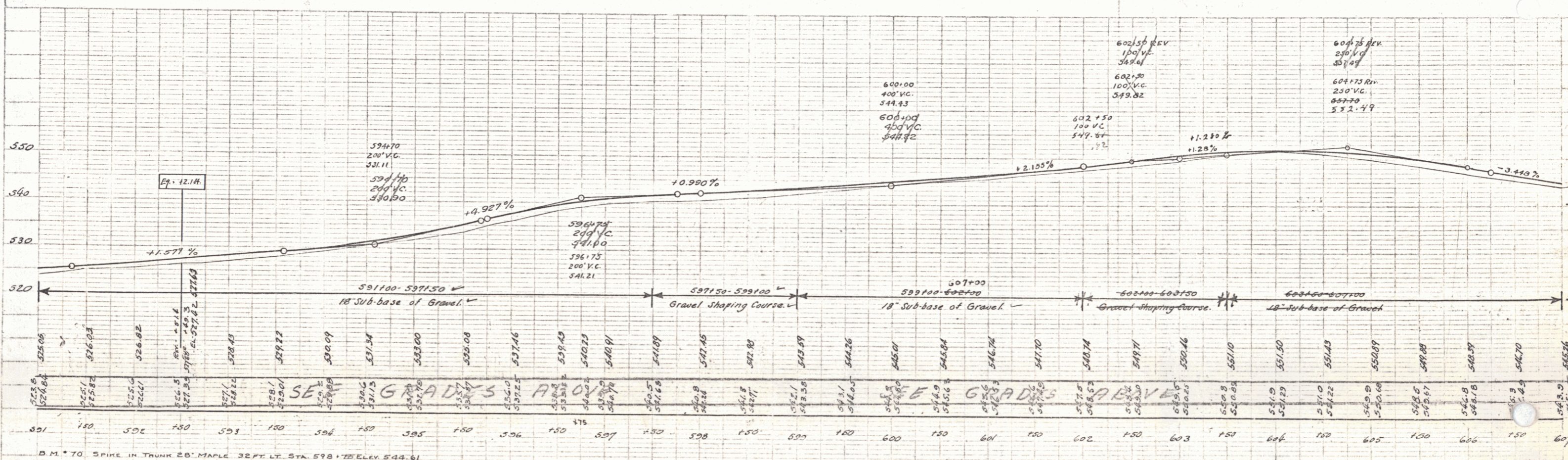
FAP 78-6			
STATION	CHANG. LT.	STATION	CHANG. LT.
592.00	0.0	597.25	5.25
592.50	0.5	598.00	8.0
593.00	1.0	599.00	16.0
594.00	2.0	600.00	24.0
595.00	3.0	601.00	32.0

FAP 78-6			
STATION	CHANG. LT.	STATION	CHANG. LT.
600.00	0.0	605.00	5.0
600.50	0.5	606.00	10.0
601.00	1.0	607.00	15.0
602.00	2.0	608.00	20.0
603.00	3.0	609.00	25.0



PLANNING  
 COUNTY  
 STATE  
 DATE  
 BY

PROFILE  
 COUNTY  
 STATE  
 DATE  
 BY



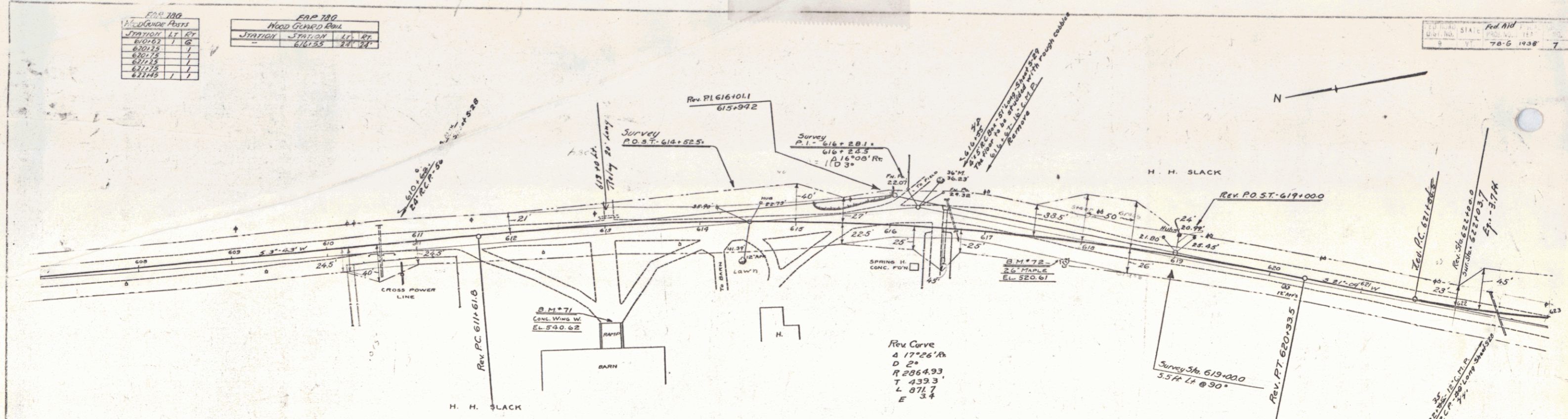
4

STATION	LT	RT
610.00	1	0
610.25	1	0
610.50	1	0
610.75	1	0
611.00	1	0

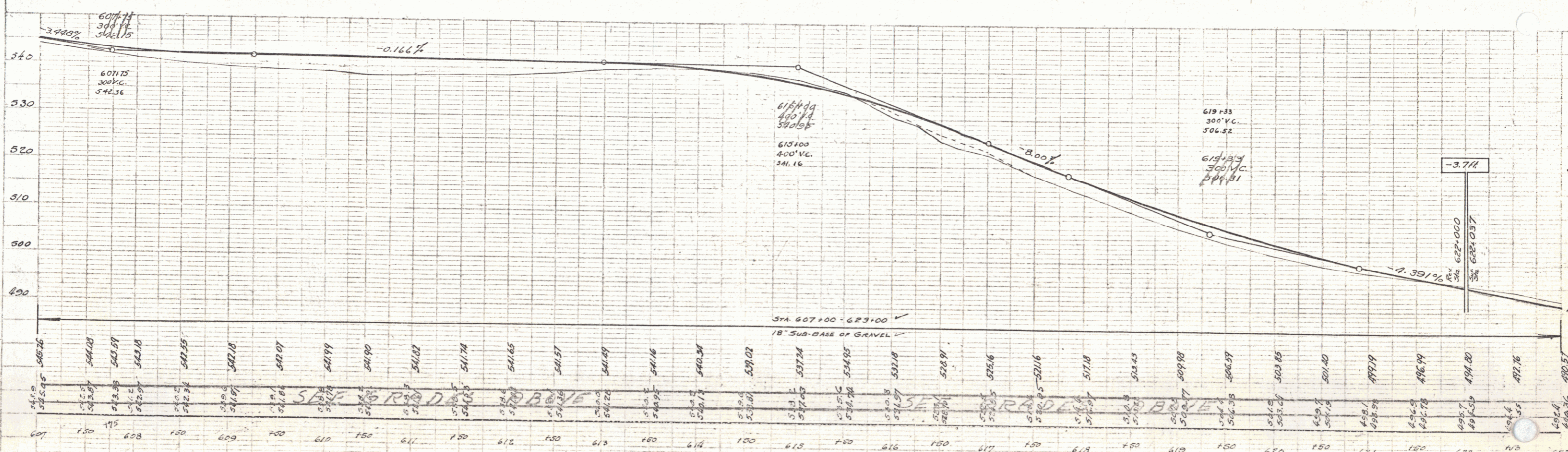
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610.00	610.00	1	0
610.25	610.25	1	0
610.50	610.50	1	0
610.75	610.75	1	0
611.00	611.00	1	0

STATE OF ILLINOIS  
 PUBLIC WORKS DEPARTMENT  
 DISTRICT NO. 7  
 7-6-1928

DATE: 7-6-28  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 SCALE: AS SHOWN



PARCEL KIND OF DATE OF INSTRUMENT GRANTEE GRANTEE RECORDED BOOK PAGE



B.M. \*71 PAINT SPOT ON CONC WING WALL 95 FT. RT. STA. 61307.00 EL. 540.62  
 B.M. \*72 SPIKE IN ROOT 26' MAPLE 21 FT. RT. STA. 61748.1 EL. 520.61

SERIES P.P. No. 786  
 SHEET 5 OF 22

629+48.3  
407.4  
625+40.7

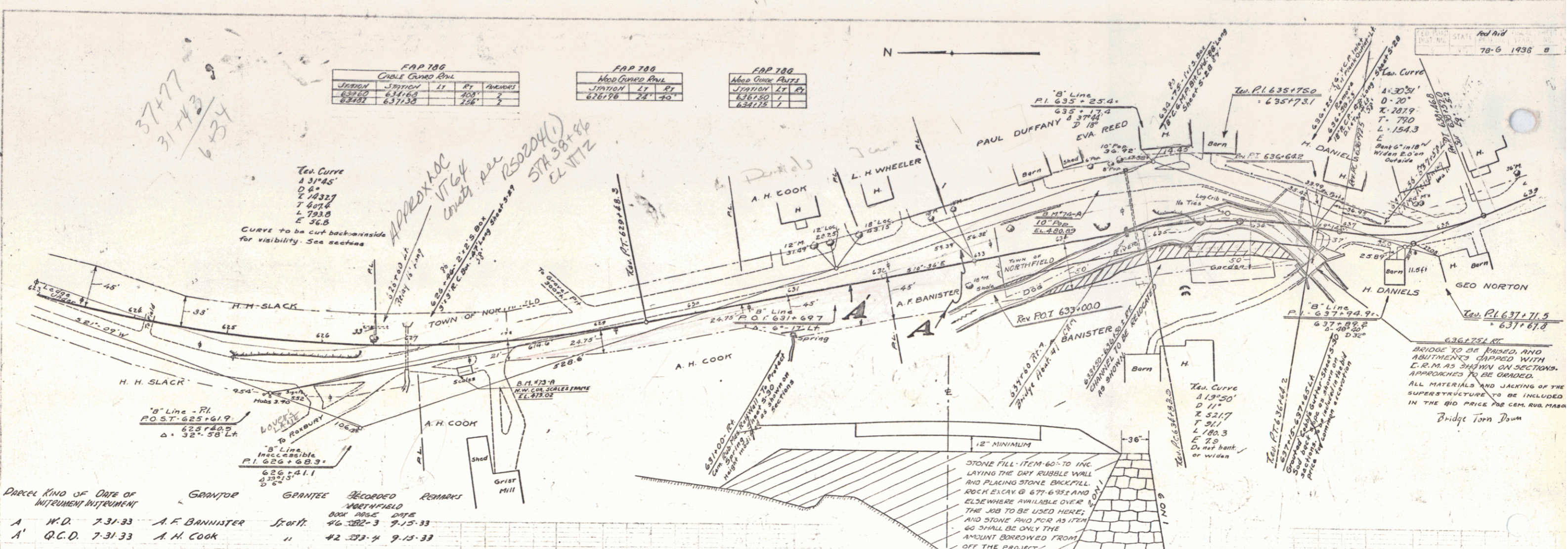
PLAN  
SECTION  
SCALE  
1" = 100'  
1" = 10'

FAP 788 Cable Guard Rail					FAP 789 Wood Guard Rail					FAP 790 Wood Guard Rail				
Station	Station	Lt	Rt	Interval	Station	Station	Lt	Rt	Interval	Station	Station	Lt	Rt	Interval
62300	63164			100'	626176	627120			100'	626176	627120			100'
62400	63150			150'										

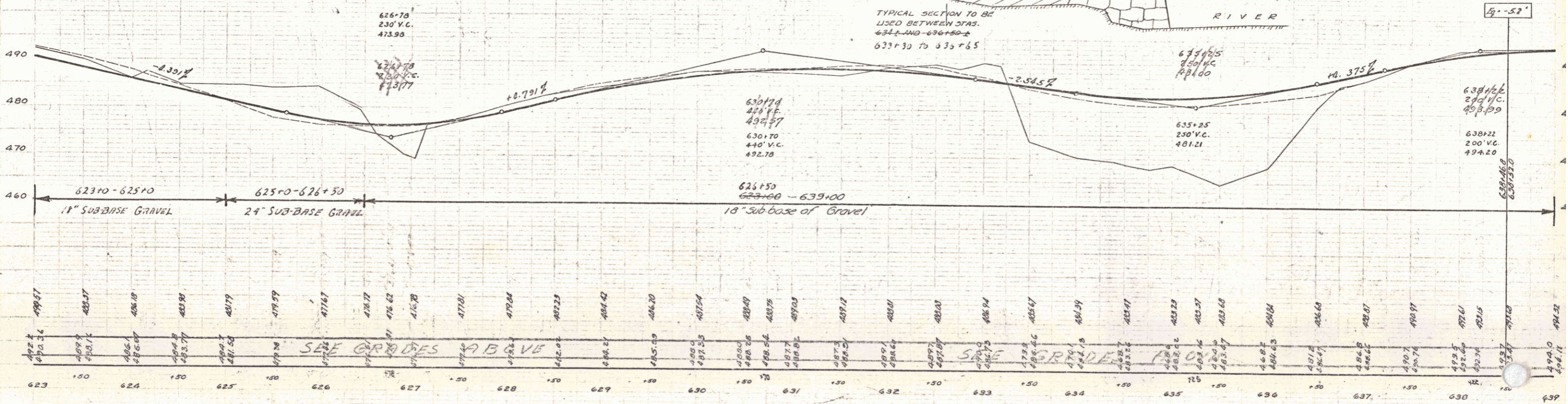
37+77  
31+43  
634

Tea Curve  
431'45"  
D 61'  
T 743.27  
L 793.0  
E 36.0  
Curve to be cut back inside for visibility - See section

APPROX 1764  
Crest Ave R50204(1)  
574.38+46  
EL 1172



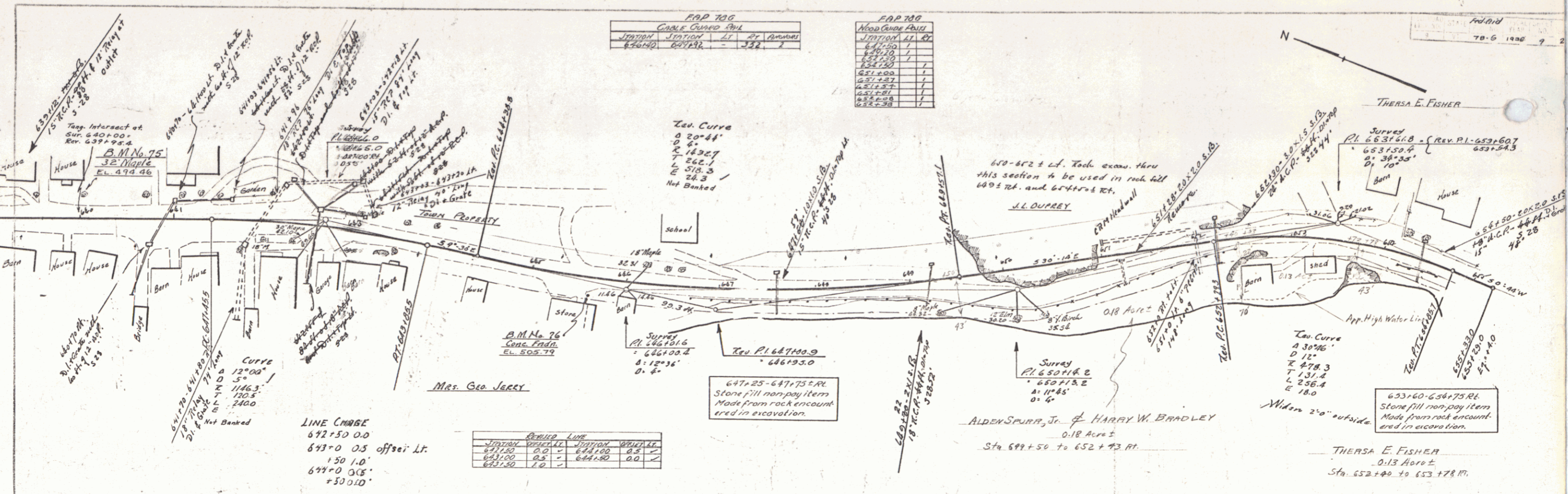
Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded	Remarks
A	N.D.	7-31-33	A. F. BANISTER	St. 11	46-382-3	9-15-33
A'	Q.C.D.	7-31-33	A. H. COOK	"	42-273-4	9-15-33



B.M. 73A N.W. Corner of Scale Mass St. Rt Sta 627+50 Elev. 478.2  
B.M. 74A Spike in Roof of 10' Pop 71 Ft. Sta. 638+45 Elev. 480.3

6





FAP 700

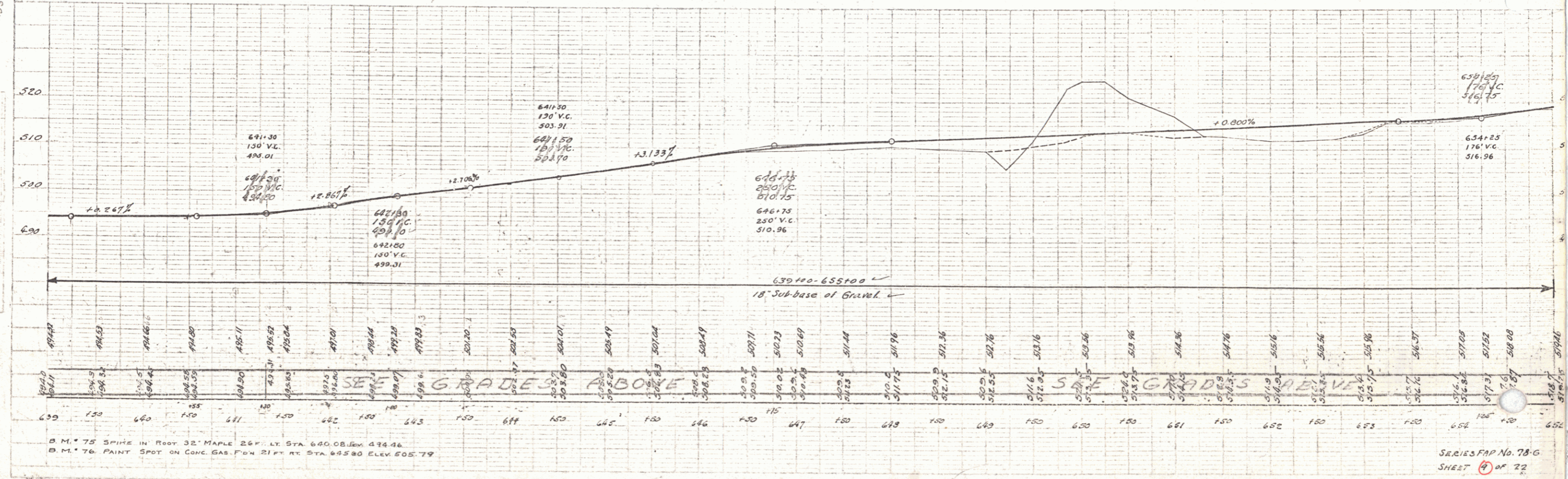
STATION	STATION	LT	RT	REMARKS
640+00	607+00	-	122	

FAP 700

STATION	STATION	LT	RT	REMARKS
641+00	642+00			
643+00	644+00			
645+00	646+00			
647+00	648+00			
649+00	650+00			
651+00	652+00			
653+00	654+00			
655+00	656+00			
657+00	658+00			
659+00	660+00			

LINE CHARGE  
 672+50 0.0  
 673+0 0.5 offset Lt.  
 150 1.0  
 677+0 0.5  
 +30 0.10

STATION	STATION	LT	RT	REMARKS
641+00	642+00	0.0	0.0	
643+00	644+00	0.5	0.0	
645+00	646+00	0.0	0.0	
647+00	648+00	0.0	0.0	



B.M. 75 SPIKE IN ROOT 32' MAPLE 26' LT. STA. 640.08. ELEV. 474.46  
 B.M. 76 PAINT SPOT ON CONC. GAS. FOR 21' RT. STA. 645.80. ELEV. 505.79

SERIES FAP No. 78-G  
 SHEET 22 OF 22

8

**BRIDGE NOTES:-**  
 Station 653+77.8-656+00  
 Station 656+91.3-657+13.8  
 Concrete slab with gravity abutments  
 Length overall 230.07  
 Clear span 200.00  
 Roadway width 20.00  
 Constructed as F.T.R.-12F-1928  
 Very good condition  
 To be retained  
 Not to be included in length of Project

**FAP 780**  
 Cable Guard Rail

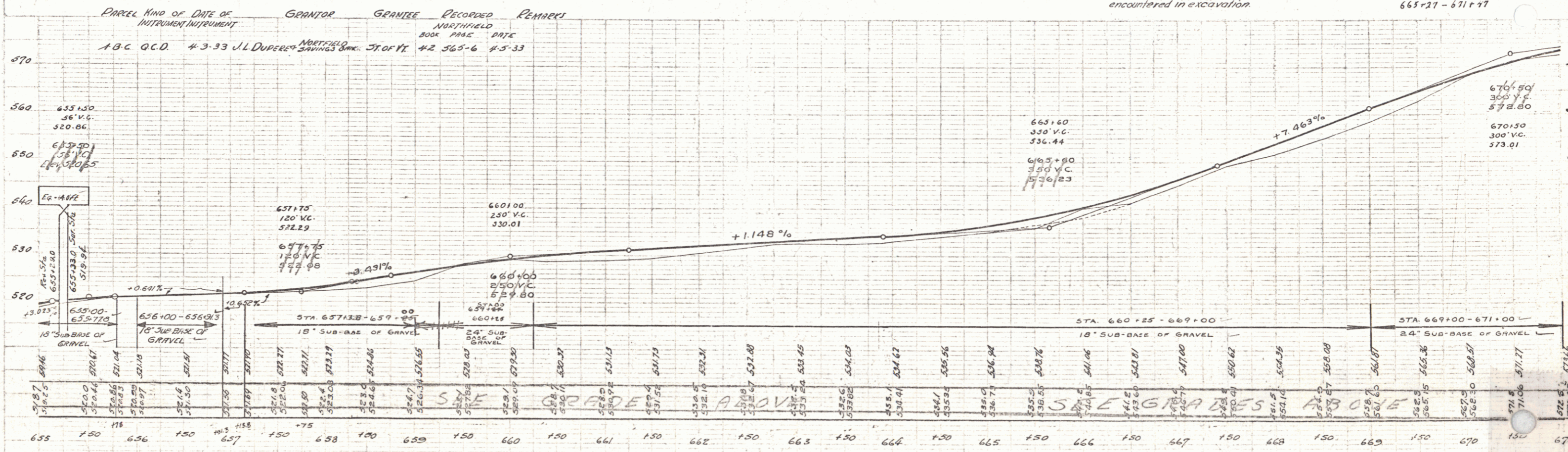
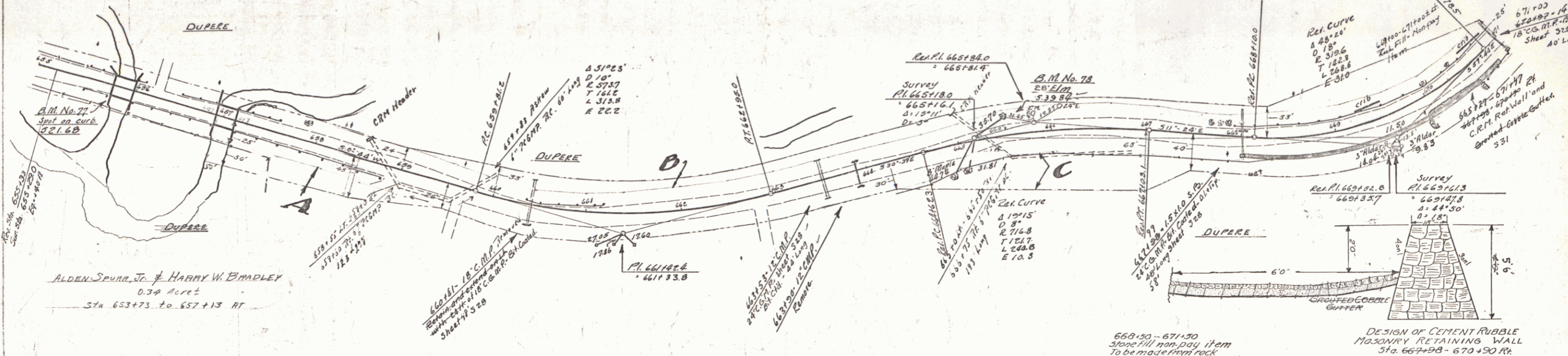
Station	Station	LT	RT	Vertical
666.124	671.00	415		

**FAP 780**  
 Wood Guard Rail

Station	Station	LT	RT
660.00	660.00	0	0
663.75	663.75	0	0

**FAP 780**  
 Code Book Roll (RESET)

Station	Station	LT	RT
653+24	653+24	0	0
657+62	657+62	0	0
658+00	658+00	0	0
658+50	658+50	0	0
659+00	659+00	0	0
659+50	659+50	0	0
660+00	660+00	0	0
660+50	660+50	0	0
661+00	661+00	0	0
661+50	661+50	0	0
662+00	662+00	0	0
662+50	662+50	0	0
663+00	663+00	0	0
663+50	663+50	0	0
664+00	664+00	0	0
664+50	664+50	0	0
665+00	665+00	0	0
665+50	665+50	0	0
666+00	666+00	0	0
666+50	666+50	0 </tr	

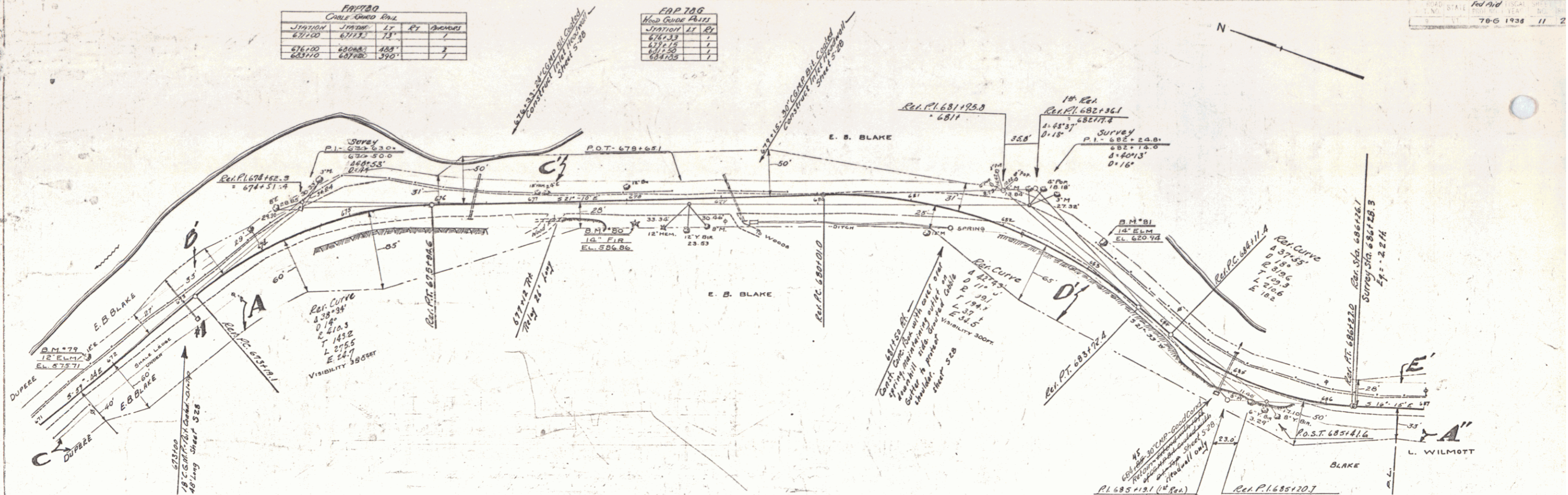


B.M. 77 PAINT SPOT ON CONC. BRIDGE RAIL 10 FT RT STA. 655+77 ELEV. 521.68  
 D.M. 78 SPINE IN ROOF 28' ELM. 26 FT LT STA. 665+48 ELEV. 539.88

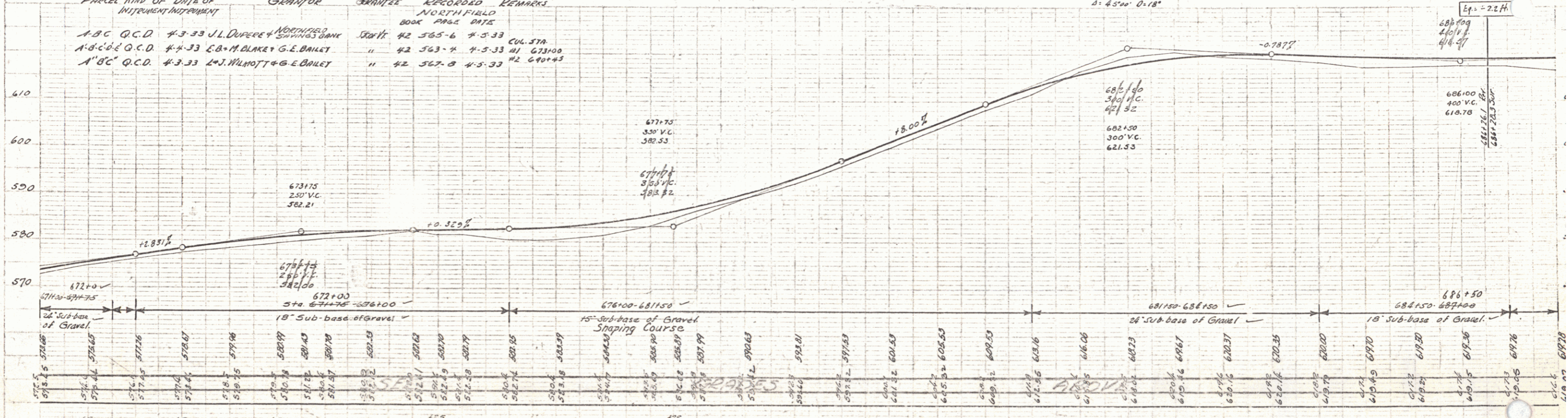
SERIES FAP No. 78-G  
 SHEET 10 OF 22

FAP 78G				
STATION	INSTRUMENT	LT	RT	REMARKS
676+00	68000	488		
683+10	68700	370		

FAP 78G				
STATION	INSTRUMENT	LT	RT	REMARKS
676+33				
677+15				
683+33				



PARCEL	KIND OF INSTRUMENT	DATE OF INSTRUMENT	GRANTOR	GRANTEE	BRITISH RECORD	RECORD DATE	REMARKS
A B C	Q.C.D.	4-3-33	J.L. DUREE & NORTHFIELD SHIMMUS BANK	NORTHFIELD SHIMMUS BANK	42 565-6	4-5-33	CUL. STA.
A' B' C'	Q.C.D.	4-4-33	E.B. BLAKE & G.E. BAILEY	G.E. BAILEY	42 563-4	4-5-33	673+00
A'' B'' C''	Q.C.D.	4-3-33	L. WILCOTT & G.E. BAILEY	G.E. BAILEY	42 567-8	4-5-33	670+43



B.M. 79 SPIKE IN TRUNK 12' ELM 19 FT. LT. STA. 671+37 ELEV. 575.71  
 B.M. 80 SPIKE IN ROOT 10' FIR 25 FT. RT. STA. 678+07 ELEV. 508.86  
 B.M. 81 SPIKE IN TRUNK 10' ELM 20 FT. LT. STA. 683+00 ELEV. 620.98

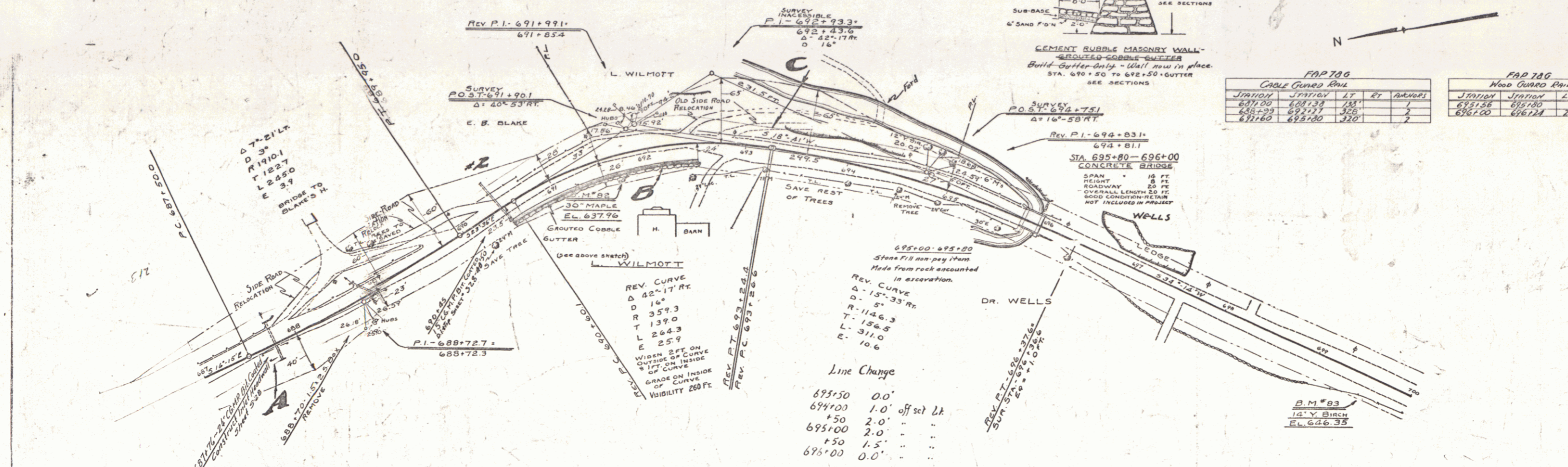
SERIES FAP No. 78-G  
 SHEET 11 OF 22

STATION	CHANG	LT	STATION	CHANG	LT
691.00	0.0	-	692.00	1.0	-
691.50	0.0	-	692.50	1.0	-
692.00	0.0	-	692.50	0.0	-

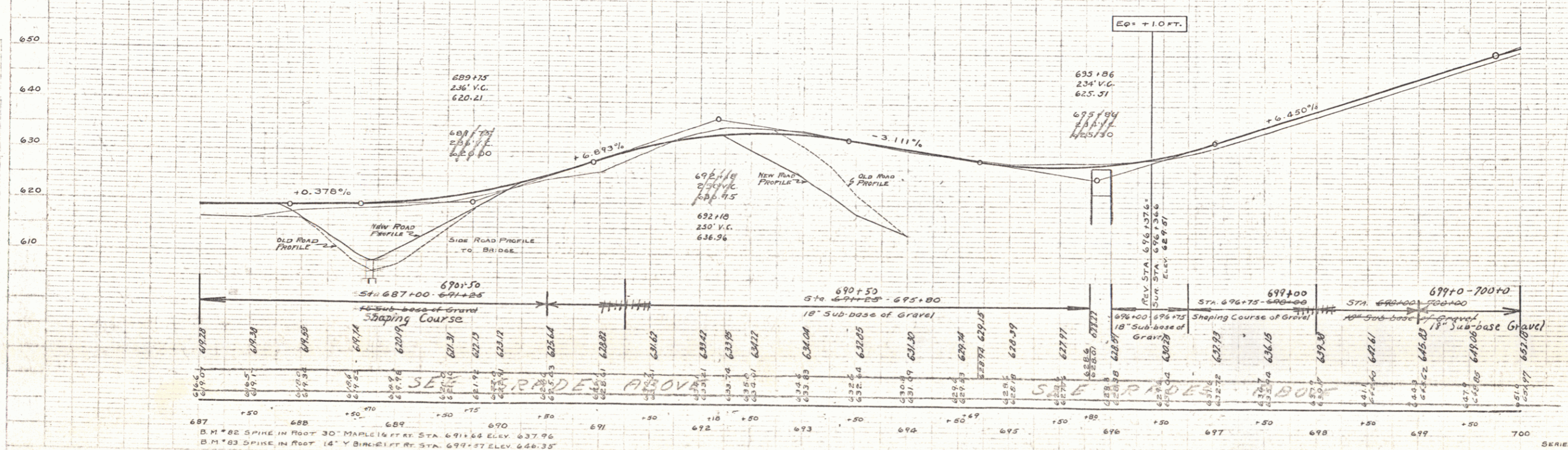
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691.00	0.0	-	692.00	1.0	-
691.50	0.0	-	692.50	1.0	-
692.00	0.0	-	692.50	0.0	-

STATION	CHANG	LT	STATION	CHANG	LT
691.00	0.0	-	692.00	1.0	-
691.50	0.0	-	692.50	1.0	-
692.00	0.0	-	692.50	0.0	-

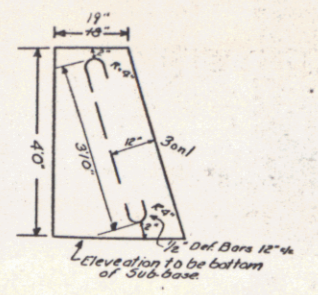
PLAN  
 DATE: 8/12/32  
 DRAWN BY: B. BLANK  
 CHECKED BY: H. J. JACOBSON  
 TITLE: ROAD RECONSTRUCTION  
 SHEET NO. 12 OF 22



PARCEL KIND OF DATE OF GRANTOR GRANTEE RECEIVED BY REMARKS  
 INDEPENDENT INSTRUMENT  
 A B C Q.C.D. 4-3-33 L. J. WILMOTT & G. E. BAILEY STAFF BOOK PAGE 107  
 E Q.C.D. 4-4-33 E. B. BLAKE & G. E. BAILEY " 42 563-4 4-5-33 GR 11-5



B.M. #82 SPIKE IN ROOT 30' MAPLE 1/4 MI. AT STA. 691+66 ELEV. 637.96  
 B.M. #83 SPIKE IN ROOT 14' Y. BIRCH 1/4 MI. AT STA. 699+57 ELEV. 646.35

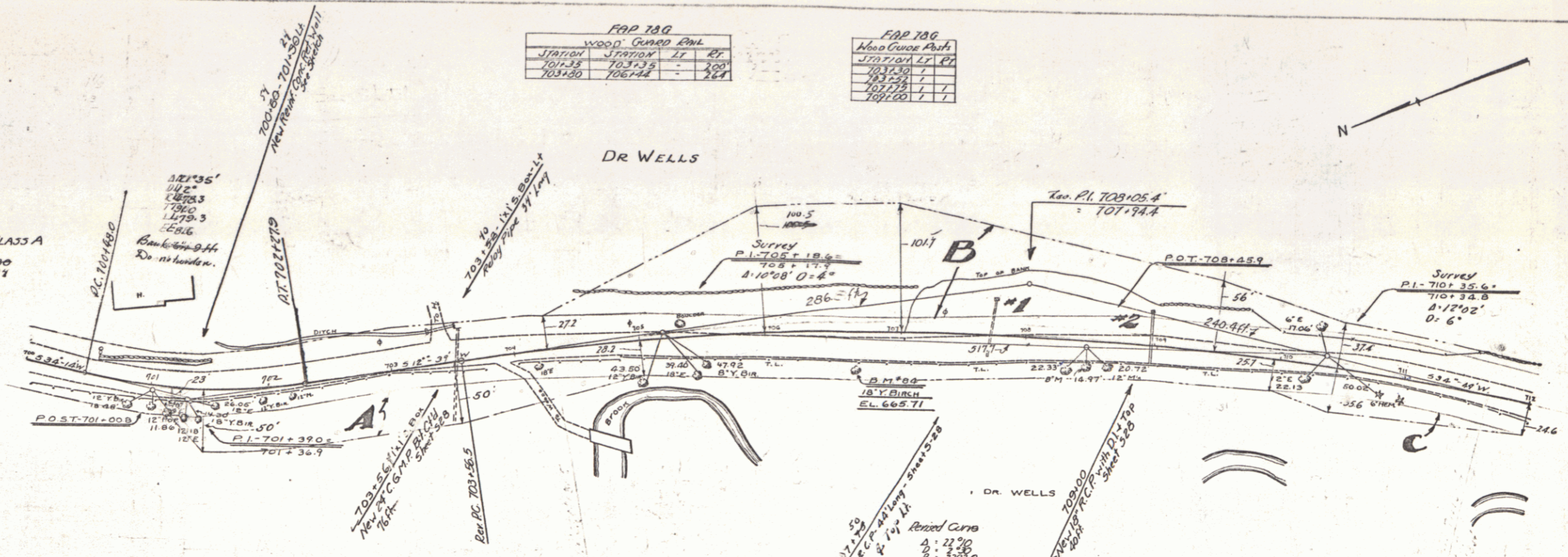


DESIGN OF REINFORCED CONCRETE CLASS A RETAINING WALL Sta. 700+00 - Sta. 701+30

FAP 188			
WOOD GRADE PNL			
STATION	STATION	LT	RT
701+30	703+30	-	200
701+00	702+44	-	267

FAP 186			
WOOD GRADE PNL			
STATION	STATION	LT	RT
701+30	701+30	-	0
701+30	701+30	-	0
701+30	701+30	-	0
701+30	701+30	-	0

70-G 1938 13

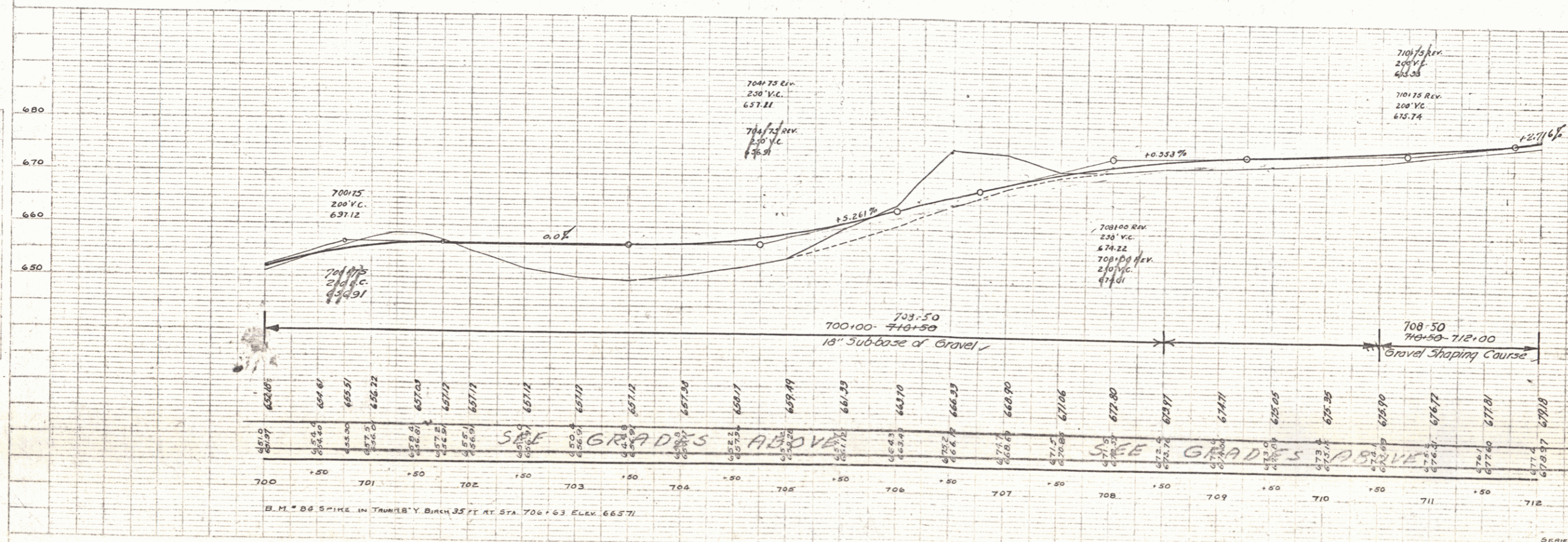


701+30-702+95  
Stones Fill non-pay item.  
Made from rock excavation encountered in excavation.

PARCEL KIND OF DRIVE OF INTEREST INSTRUMENT GRANTOR GRANTEE RECORDS REMARKS  
A-B-C H.D. 9-9-33 E.R. WELLS ST. 46 584-5 9-15-33 707125 707100

PLAN	DATE	BY	CHECKED
DESIGNED	7/32	W.E. WELLS	
REVISED			
APPROVED			

PROFILE	DATE	BY	CHECKED
DESIGNED	7/32	W.E. WELLS	
REVISED			
APPROVED			



B.M. 80 SPIKE IN TRUNK OF BIRCH 35' E AT STA. 700+63 ELEV. 665.71

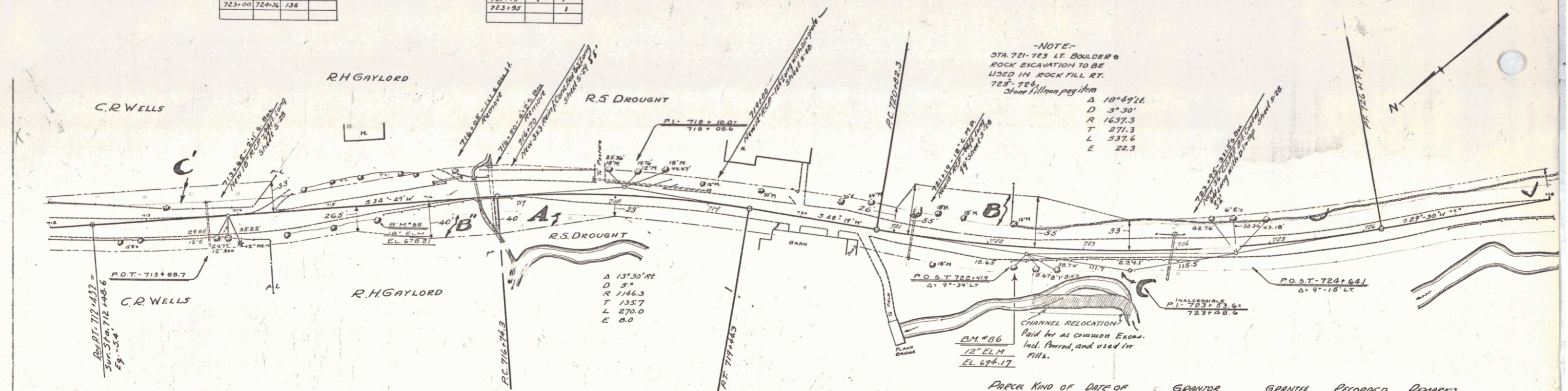
SERIES FAP No 78-G SHEET 13 OF 22

FAP 1A2			
WOOD GUARD RAIL			
STA	RT	LT	
714.24	719.00	280	
716.70	716.94	24	
723.00	724.46	136	

FAP 1A3			
WOOD GUIDE POSTS			
STA	RT	LT	
713.65	1	1	
721.13	1	1	
723.51	1	1	

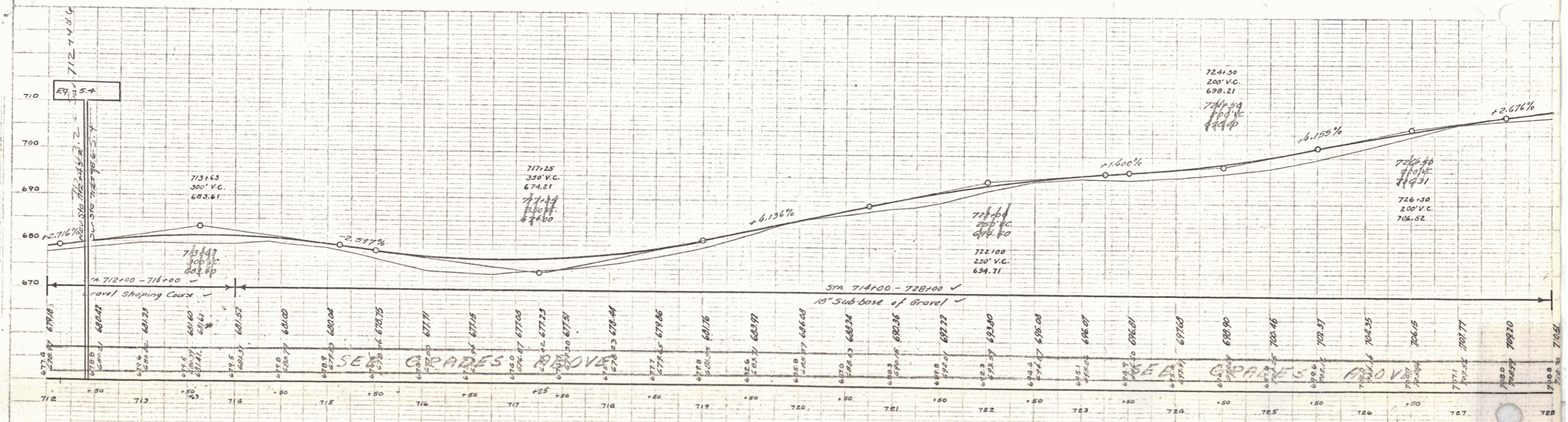
red 414  
78-6 1936 14

PLAN  
NORTH ARROW  
SCALE 1" = 40'



-NOTE-  
STA. 721-723 LT. BOULDER &  
ROCK EXCAVATION TO BE  
USED IN ROCK FILL RT.  
725-726  
Stone 1/1000 pay item  
A 18° 47' L  
D 3° 30'  
R 1637.3  
T 271.3  
L 537.6  
E 22.3

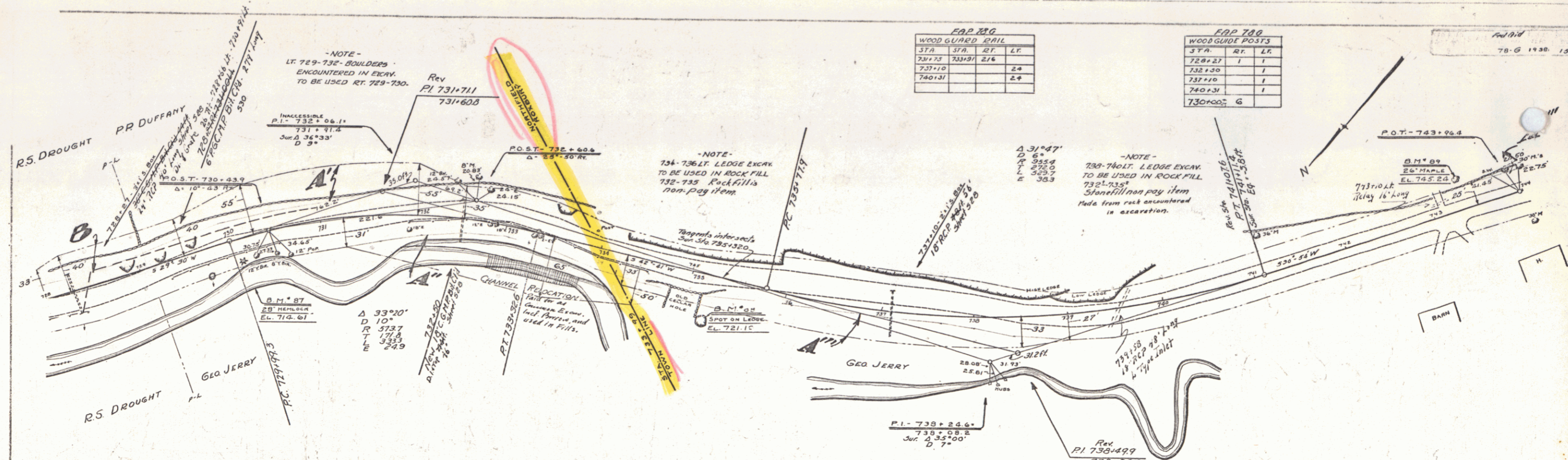
PRECEDENCE	KIND OF INSTRUMENT	DATE OF INSTRUMENT	GRANTOR	GRANTEE	RECORDED	REMARKS
A, B, C, D	Q, C, D	8-29-33	ROGER S. & ABIGAIL L. DROUGHT	NORTHFIELD MASS	42 575-6-7	9-15-33
C	W, D	9-9-33	E. R. WELLS	"	46 584-5	9-15-33
A, B	Q, C, D	9-7-33	R. H. GAYLORD	"	42 306	1-12-34



B. M. # 85 SPIKE IN TRUNK 10 FT. AT STA. 715+48 ELEV. 678.21 - 18" ELM  
B. M. # 86 SPIKE IN TRUNK 22 FT. AT STA. 722+29 ELEV. 694.17 - 18" ELM

SERIES FAP No. 78-G  
SHEET 12 OF 22

B



**EAP 280**

STA	STA	LT	LT
731+75	733+01	216	
737+10		2*	
740+37		2*	

**EAP 780**

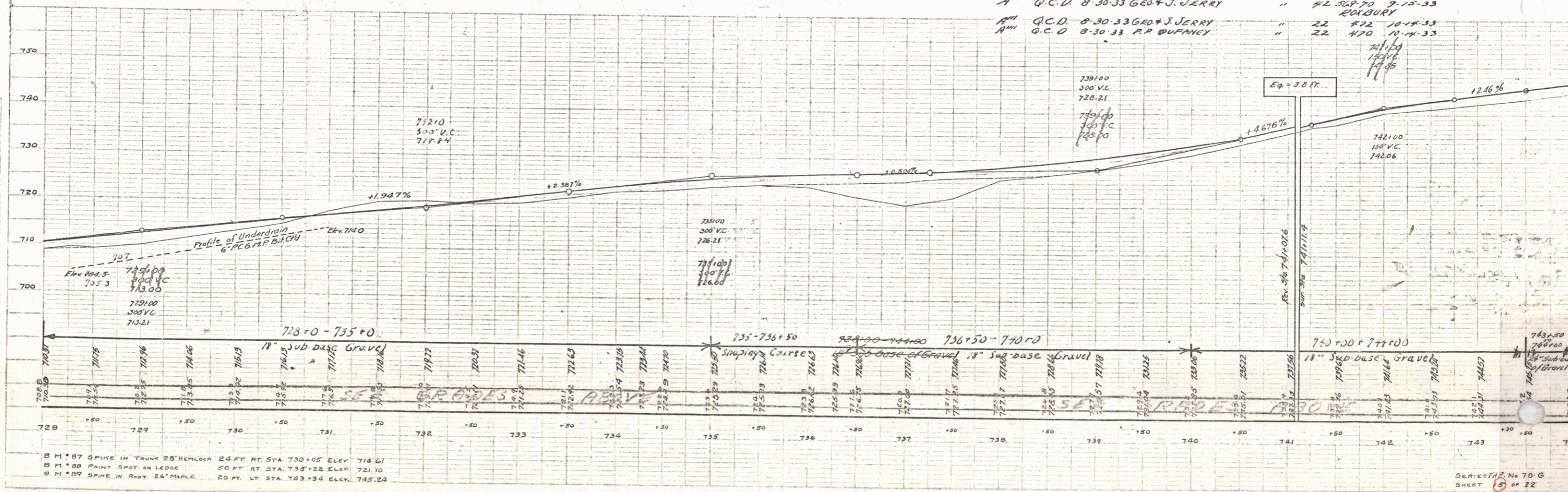
STA	LT	LT
728+27	1	1
732+30	1	
737+10	1	
740+37	1	
730+00	G	

-NOTE-  
LT. 729-732 BOULDERS  
ENCOUNTERED IN EXCAV.  
TO BE USED RT. 729-730.

-NOTE-  
734-736 LT. LEDGE EXCAV.  
TO BE USED IN ROCK FILL  
732-735 Rockfills  
non-pay item

-NOTE-  
739-740 LT. LEDGE EXCAV.  
TO BE USED IN ROCK FILL  
732-735  
Stonefill non pay item  
Made from rock encountered  
in excavation.

Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded	Remarks
A-B-C	Q.C.D.	8-29-33	ROGER S. & ANSEL D. DROUGHT	JR. OF IT.	42 575-6-7	9-15-33
A'	Q.C.D.	8-30-33	R.D. DUFFANEY	"	42 571-2	9-15-33
A''	Q.C.D.	8-30-33	GEO. & J. JERRY	"	42 569-70	9-15-33
A'''	Q.C.D.	8-30-33	GEO. & J. JERRY	"	22 472	10-11-33
A''''	Q.C.D.	8-30-33	R.P. DUFFANEY	"	22 470	10-11-33



B.M. 87 SPIKE IN TRUNK 28' HEMLOCK 24 FT. RT. STA. 730+05 ELEV. 714.61  
 B.M. 88 PAINT SPOT ON LEDGE 20 FT. AT STA. 735+22 ELEV. 721.10  
 B.M. 89 SPIKE IN ROOT 26' MAPLE 20 FT. LT. STA. 743+34 ELEV. 745.24

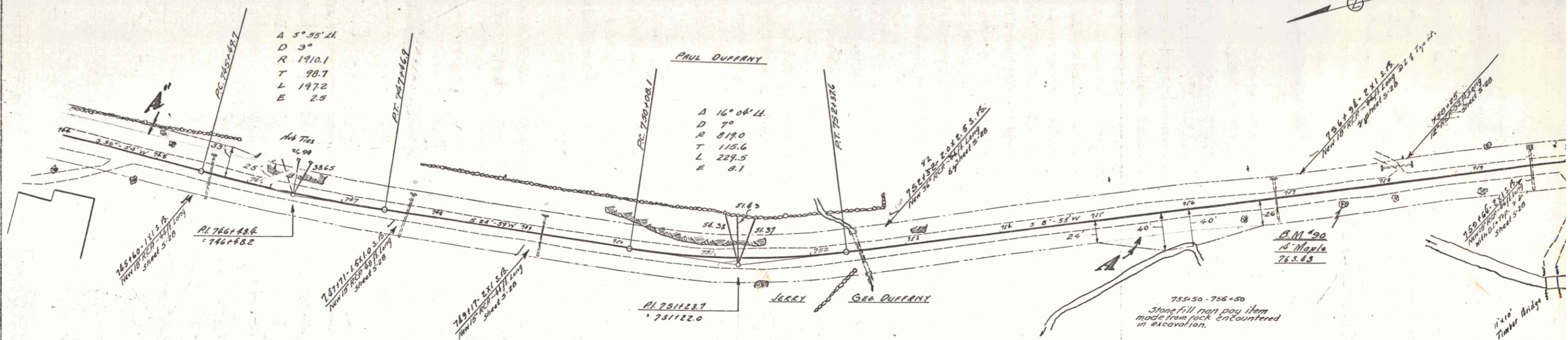
4

FAP 710			
WOOD GUIDED CHIL			
STA.	STA.	RT.	LT.
752+32		24	
756+39		24	

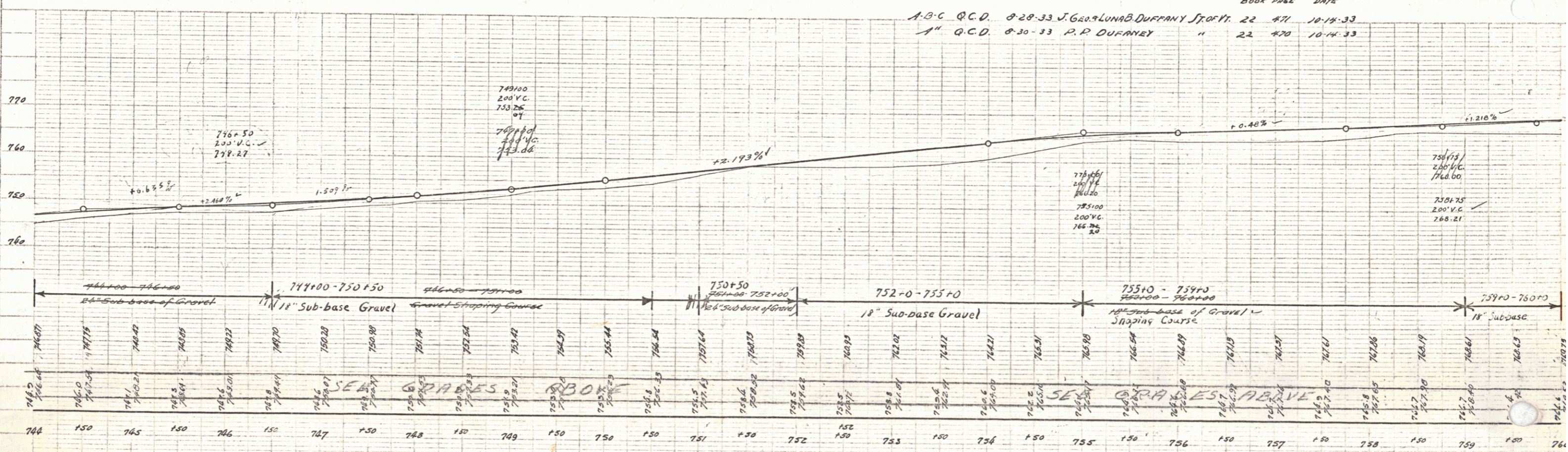
FAP 720		
WOOD GUIDE POSTS		
STA.	RT.	LT.
745+00	1	1
747+71	1	1
749+17	1	1
752+32	1	1
756+34	1	1
759+64	1	1

785 1936 16 22

NOTE  
751+00-752+00 ledge excavation  
on left to be used on right of  
755+00-756+00



PARCEL	KIND OF DATE OF INSTRUMENT	GRANTEE	GRANTEE	RECORDED BOOK PAGE	REMARKS
A-B-C	Q.C.D.	8-20-33	J. GEORGE LUNN B. DUFFANY	ST. 22 471	10-19-33
A	Q.C.D.	8-30-33	P. P. DUFFANEY	" 22 470	10-14-33



B.M. No. 50. Spike in roof of 10' Maple, right of Sta. 737+65. Elev. 763.83

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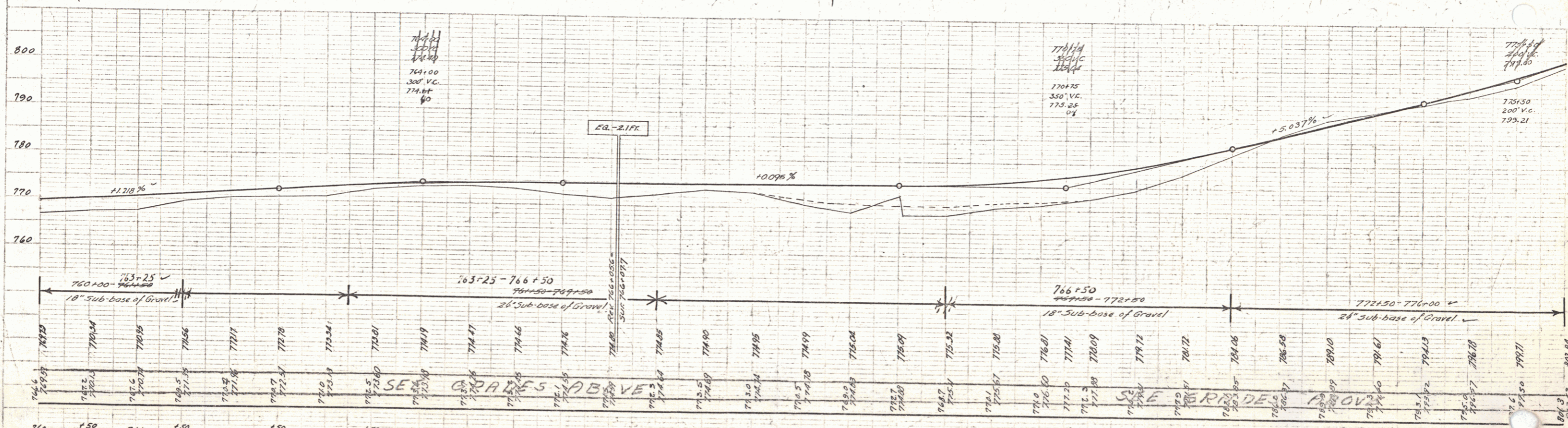
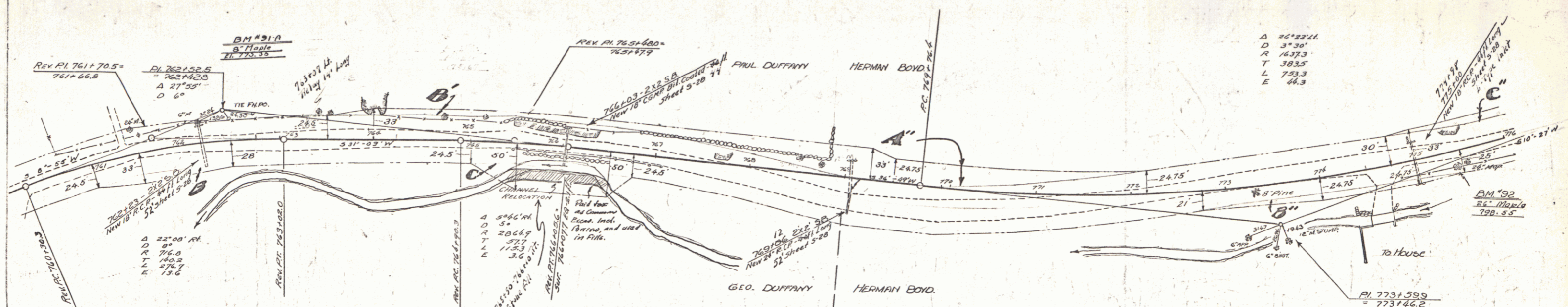
Parcel	Kind of	Date of	Grantee	Grantee's	Record	Remarks
ABC	Q.C.D.	8-28-33	J. Geo. & Lina B. Duffany	Box	1871	10-14-33
A.B'	Q.C.D.	8-30-33	R.D. Duffany	"	22	11-14-33
A'B'C	Q.C.D.	8-29-33	Herman O. Boyd	"	22	1-12-34

Note -  
754+00 - 769+50 Boulders encountered  
in excavation to be used in Rock Fill  
At 765+00 - 767+00  
Stone fill 765+00 - 767+00 non pay item

EAP 740			
WOOD GUARD RAIL			
STA.	RT.	LT.	
761+83	763+53	768	
764+03		40	
772+24	772+48	24	

EAP 740			
WOOD GUIDE POSTS			
STA.	RT.	LT.	
760+30.1	1	1	
762+23	1	1	
766+03	1	1	
769+06	1	1	
774+30	1	1	
775+00	1	1	

REV.	BY	DATE	DESCRIPTION
1	VT	7-5-0	1756
2	VT	7-5-0	17
3	VT	7-5-0	22



B.M. No 91A Spike in root of B Maple, left of Sta 762+75 Elev. 775.36  
B.M. No 92 Spike in root of 26 Maple, right of Sta 775+50 Elev. 798.55

SERIES FAP NO 796  
SHEET 17 OF 22

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NOTE  
776+00 - 778+00 Excavation to  
be used in Rock Fill on R/W 765+00  
787+00 Stone Fill from pay item

FAP 786			
STA.	RT.	LT.	
782+00	782+00	24	
785+00	785+00	24	
785+00	787+00	152	

FAP 787			
STA.	RT.	LT.	
781+12	1	1	
784+04	1	1	
787+10	1	1	

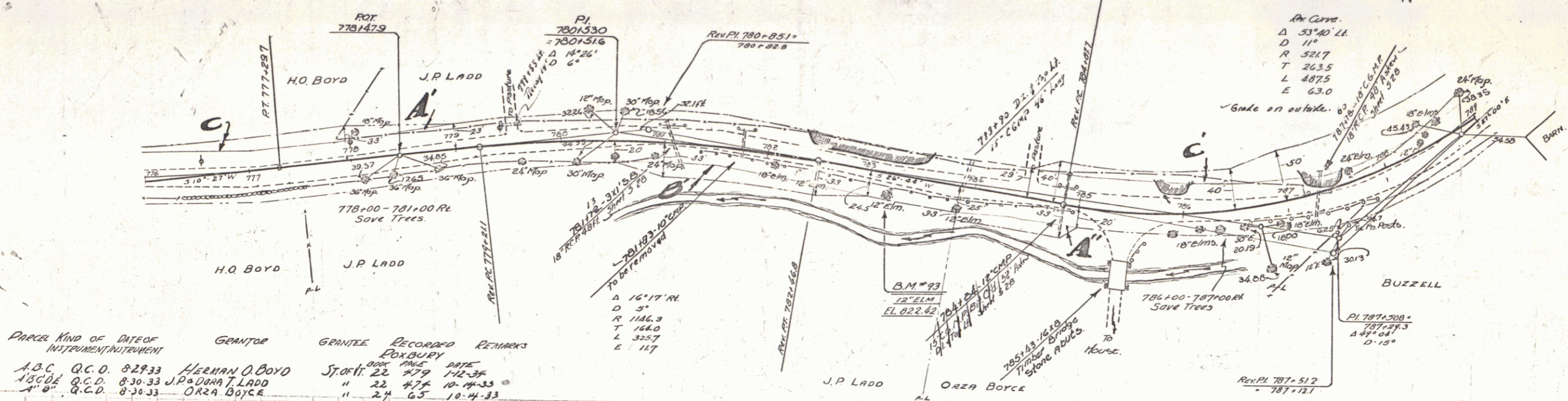
NOTE  
782+00 - 789+00 Ledge excavated  
to be used in Rock Fill on R/W 765+00  
to 767+00

NOTE  
785+00 - 789+00 Ledge excavated  
to be used as needed at the Rock  
Fill as shown on layout.

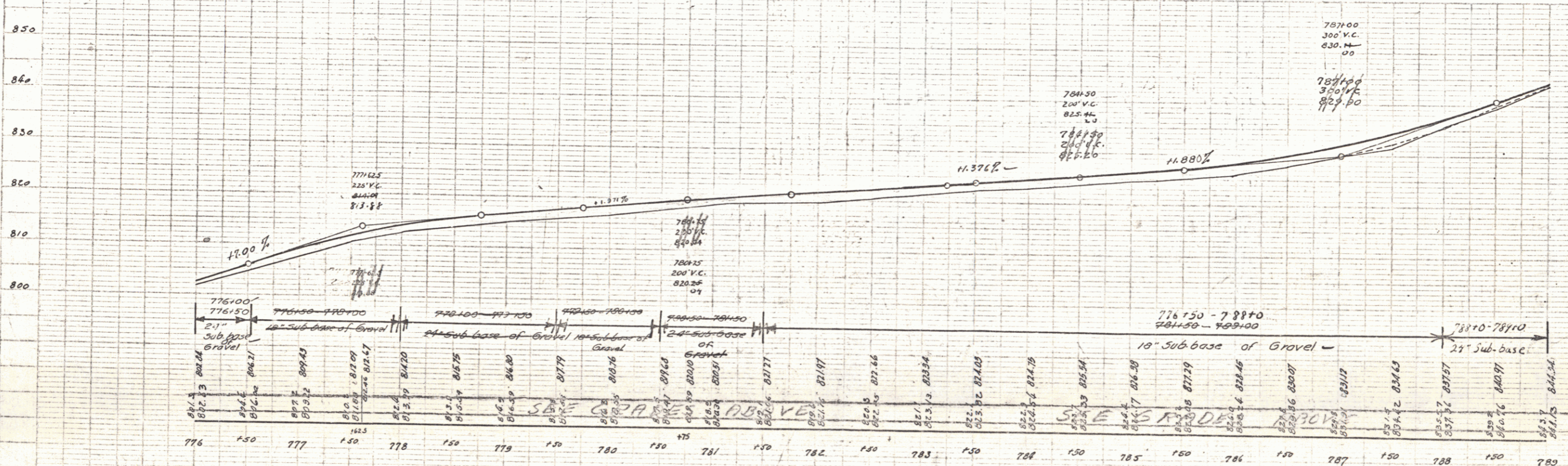
FEDERAL ROAD DIST. NO. 1131 LOCAL SHEET TOTAL 140 SHEETS  
78-G-1930 18 22

PLAN	SECTION	DETAIL

PLAN	SECTION	DETAIL



PARCEL	KIND OF INSTRUMENT	DATE OF INSTRUMENT	GRANTEE	GRANTEE	RECORDED	REMARKS
A.B.C.	Q.C.D.	8-29-33	HEERAN O. BOYD	ST. OF T.	22	279
1500	Q.C.D.	8-30-33	J.P. ADAMA LADD	ST. OF T.	22	474
A"	Q.C.D.	8-30-33	ORZA BOYCE	"	24	65



B.M. No. 93. Spike in front of 12 Elm right of Sta. 303+10. Elev. 822.66

SERIES FAP No. 786  
SHEET 18 OF 22

