

INDEX OF SHEETS

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" 4-14	Plan & Profile
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SOUTH CAROLINA STATE HIGHWAY DEPARTMENT COLUMBIA

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

DKT. Nos 19.235 Pts. 1 & 2 AND 41.240

RD. 21 (RT. 231)

EDGEFIELD - SALUDA COUNTIES

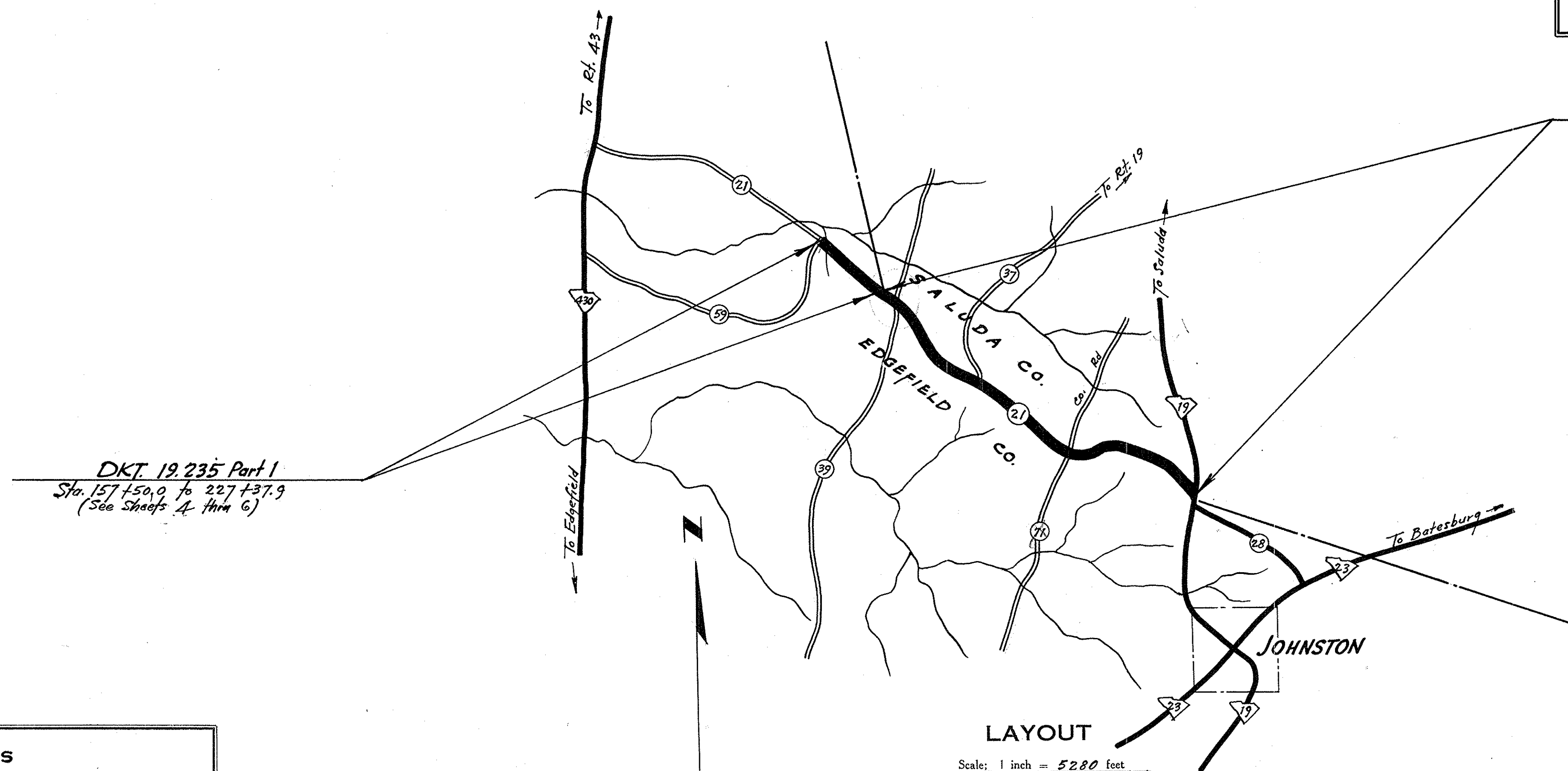
FROM ROAD 59 TO ROUTE 19

SCALES: PLAN AND PROFILE 1 INCH = 100 FEET HORIZONTAL; 1 INCH = 10 FEET VERTICAL.

FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S. C.	Edgefield Saluda	19.235 Pts. 1 & 2 & 41.240		1231/ Rd. 21	1	63

SUMMARY OF ESTIMATED QUANTITIES

	DKT. 19.235 Pt. 1	19.235 Pt. 2 & 41.240	
EARTHWORK			
Clearing & Grubbing within Roadway	Nec'y.	Nec'y.	Acres
" " of Borrow & Material Pits	0.5	0.5	C.Y.
Unclassified Excavation	5232	15,635	C.Y.H.M.
Overhaul	12,442	49,170	C.Y.
Selected Material for Shoulders	802	2709	
BASE COURSE			
Earth Type Base Course (Ground Surf. Material)	2805	9530	C.Y.
Scarifying, Mixing, Remixing, Shaping & Reshaping	15,252	51,801	M.S.Y.
Add'l. " " " "	4,000	13,000	"
SURFACING			
Bituminous Surfacing (Inverted Penetration with Seal)	14,476	49,180	S.Y.
STRUCTURES			
15" R. C. Pipe	20	420	L.F.
18" " "	92	484	"
24" " "	64	120	"
30" " "		68	"
72" " "	44		"
18" Relaid Pipe		51	"
24" Relaid Pipe		27	"
INCIDENTALS			
Reset Fences	3765	6640	L.F.
4" Tile Underdrains		200	"



CONVENTIONAL SIGNS

State Line	-----	Trolley Poles	• • • • •
County Line	-----	Power Poles	• • • • •
City or Town Limits	-----	Telephone or Telegraph Poles	• • • • •
Property Line	-----	Marsh	• • • • •
Fence	-x-x-	Trees	• • • • •
Retaining Wall	-----	Brush	• • • • •
Existing Road	-----	Stumps	• • • • •
Q and R.O.W. Lines of	-----	Buildings	• • • • •
Proposed Road	-----	Bridge	• • • • •
Railroad	-----	Concrete Box Culvert	• • • • •
Levee or Embankment	-----	Pipe Culvert	• • • • •
Guard Rail	-----	Drop Inlet and Culvert	• • • • •
Point of Intersection (P. I.)	Δ	Hub on Center Line	• • • • •

LEGEND

PROPOSED PROJECT
OTHER ROADS

LAYOUT

Scale: 1 inch = 5280 feet

	19.235 Pt. 1	19.235 Pt. 2 & 41.240	
Net Length of Roadway =	1.323	4.468	Miles
Net Length of Bridges =			Miles
Net Length of Project =	1.323	4.468	Miles
Length of Exceptions =			Miles
Gross Length of Project =	1.323	4.468	Miles

Equalities in Stationing

None

Note: All workmanship and material on this project to conform with South Carolina State Highway Department Standard Specifications for Highway Construction dated March 15th 1939, as approved by the Administrator, Federal Works Agency.

APPROVED

OK
9-2-48
S. M. Pearson
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED

DIVISION ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

J. H. BLED SOE - EST.

C 10.12.48

R.C. BLED SOE

C 7.30.48

MRS. MARY LYON

D 7.29.48

J. W. WRIGHT

D 7.30.48

MRS MARY LYON

D 7.29.48

(Includes portion of 50' S/A as shown)

GENERAL CONSTRUCTION NOTES:-

Changes involving increased cost of project or changes in alignment must be specifically authorized by the State Highway Engineer. District Engineer may authorize minor alterations not in conflict with the Standard Practices of the Department and not involving increases in cost forward information on any change in alignment to the Columbia Office as soon as the revision is completed.

All curves are to be superelevated for a design speed of 15 M.P.H. by revolving about $\frac{1}{2}$ as shown on sheet 3. Elevations shown are normal elevations before super-elevation is added.

The cost of all drilling and chipping necessary in extending pipe culverts shall be included in the price bid per linear foot for pipe.

The following quantities are not shown in detail on the plans, but are included in the summary of Estimated Quantities and may be varied during construction as directed by the Engineer.

OVERHAUL	49,340 C.Y.H.M. for Base Course Material
	18,044 C.Y.H.M. for Shoulder Material
Earth Type Base Course (Ground Surf. Material)	500 C.Y. for Intersections
	10% for Additional Material needed
Scarifying, Mowing, etc.	2500 M.S.Y. for intersections
Bituminous Surfacing	2500 S.Y. for intersections
15" R.C. pipe	40 L.F. for additional Side Lines
18" R.C. pipe	40 L.F. for additional Side Lines
4" Tile Underdrain	200 L.F. to be placed where directed by Engineer.
Reset fences	10,405 L.F. to be placed where directed by Engineer.

B.M. NO. 13 NAIL IN ROOT 30" OAK
50' LT. STR. 150+75 EL=432.76

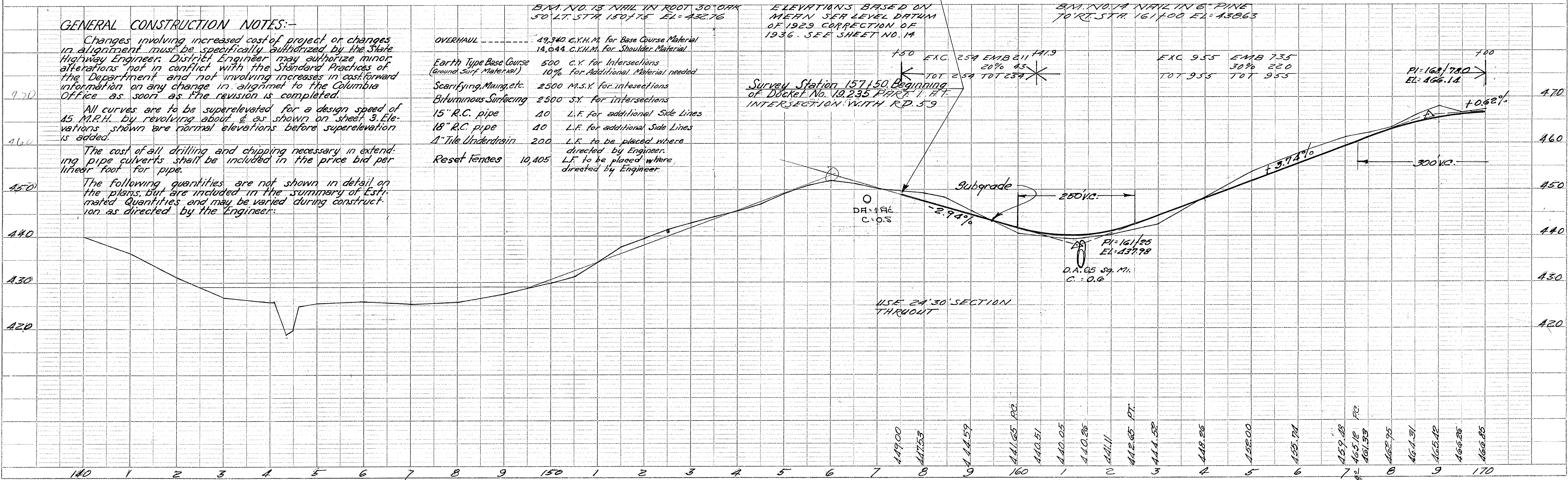
ELEVATIONS BASED ON
MEAN SEA LEVEL DATUM
OF 1929 CORRECTION OF
1936. SEE SHEET NO. 14

B.M. NO. 14 NAIL IN 6" PINE
70' RT. STR. 161+00 EL=439.63

Survey Station 157+50 Beginning
of Docket No. 19,235 PART 1, R.F.
INTERSECTION WITH RD. 59

EXC. 254 EMB 211
20% 43
TOT 254 TOT 254

EXC. 955 EMB 735
30% 220
TOT 955 TOT 955



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NO.		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B.M.'S NOTED		
	STRUCTURE NOTATIONS CHECKED		

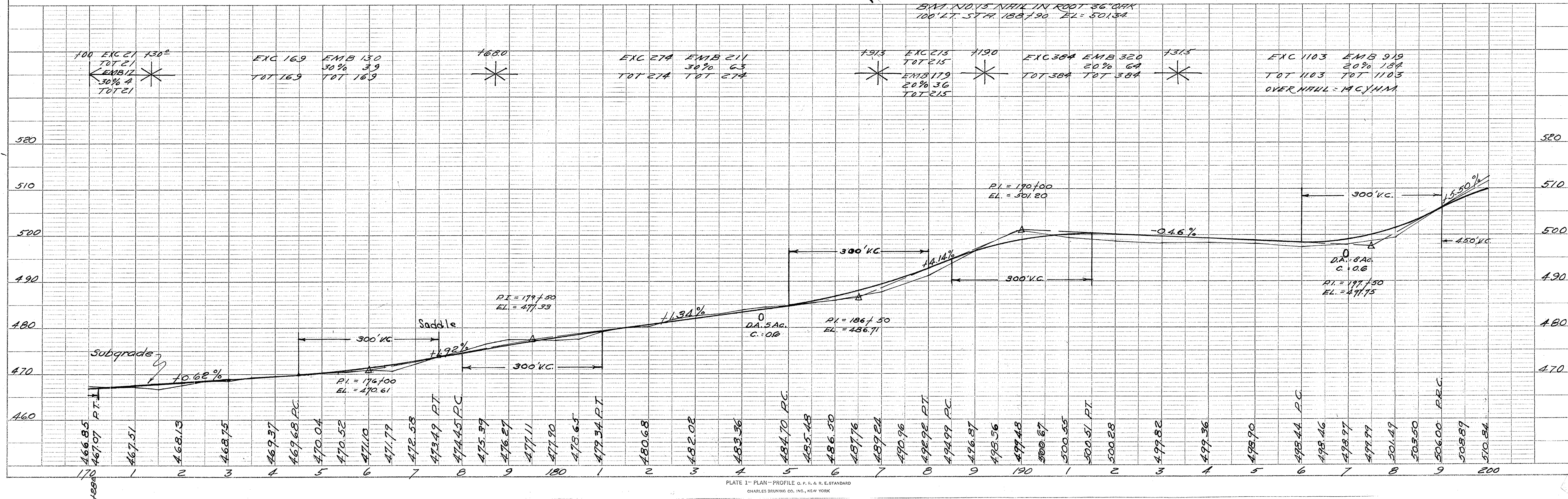


PLATE 1- PLAN-PROFILE O. P. R. & R. E. STANDARDS
CHARLES BRUNING CO., INC., NEW YORK

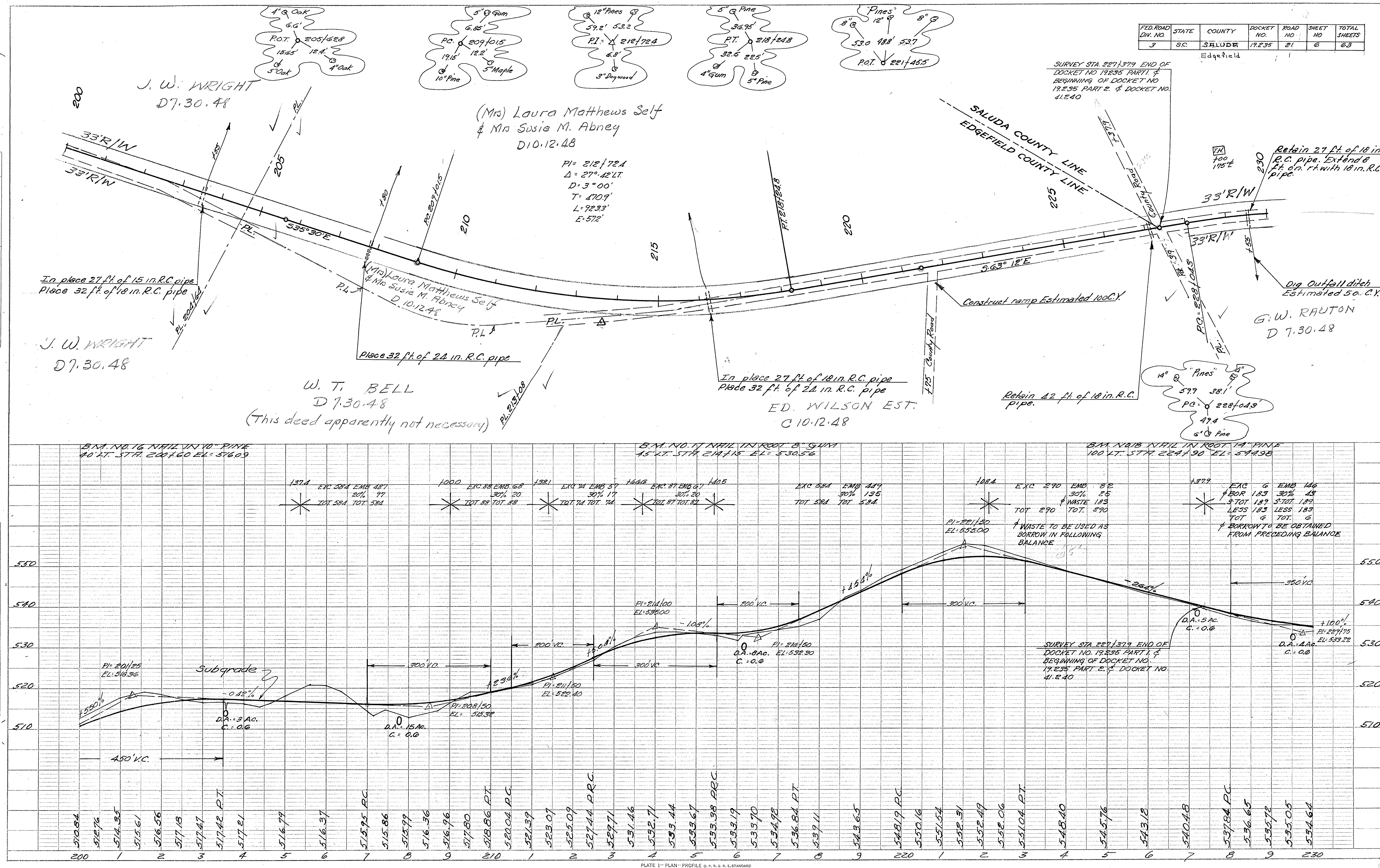
FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	ROAD NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	SALUDA	19,235	21	6	63

Edgefield

SURVEY STA. 227+37.9 END OF DOCKET NO. 19,235 PART 1 & BEGINNING OF DOCKET NO. 19,235 PART 2 & DOCKET NO. 41,240

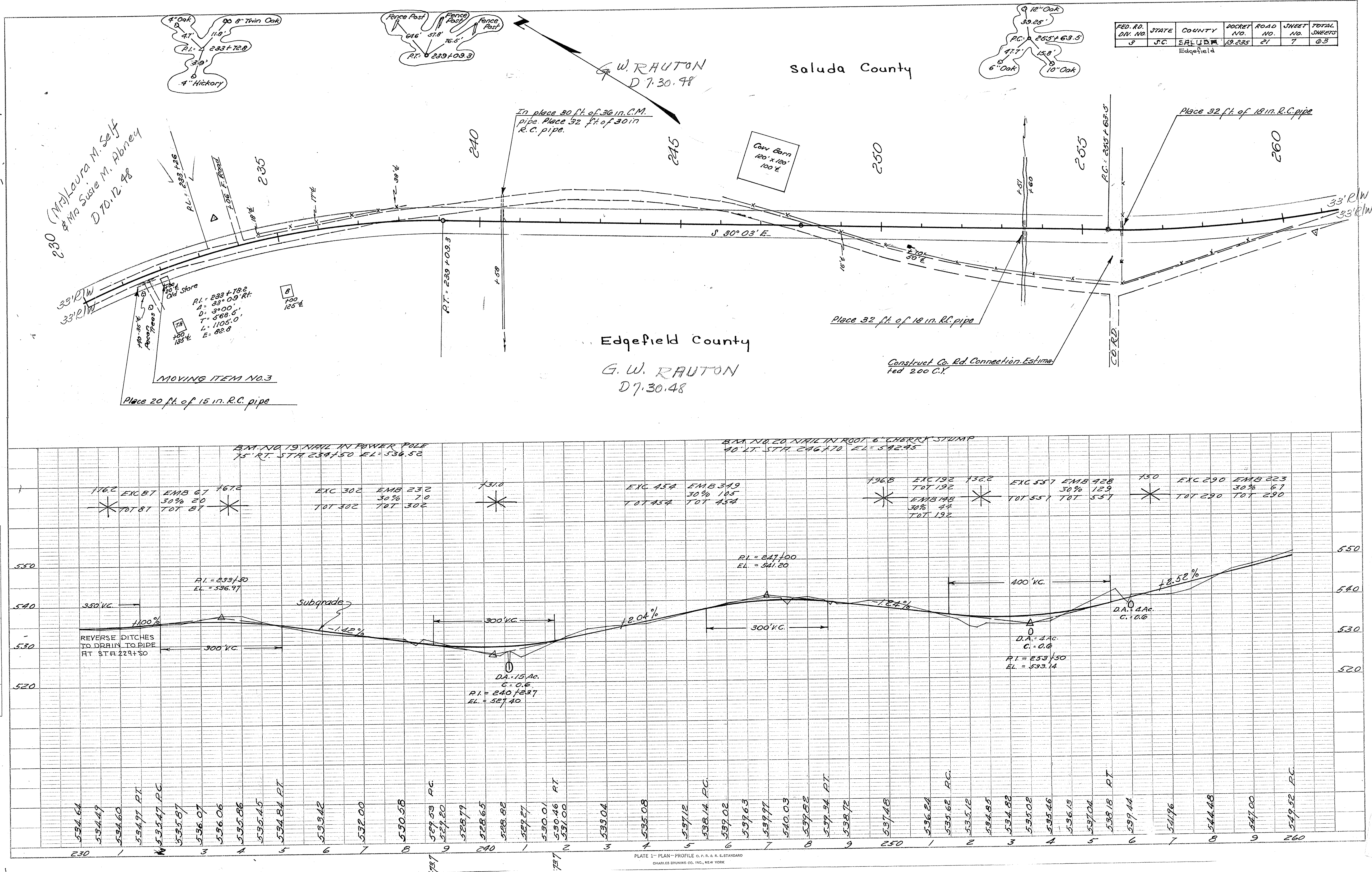
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SURVEYED	
PLOTTED	
NOTE BOOK	
CHECKED	
BY	
NO.	

PROFILE	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
CHECKED	
BY	
NO.	



PLAN	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	ALIGNMENT CHECKED		
NO	RT. OF WAY CHECKED		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	B. M. NOTED		



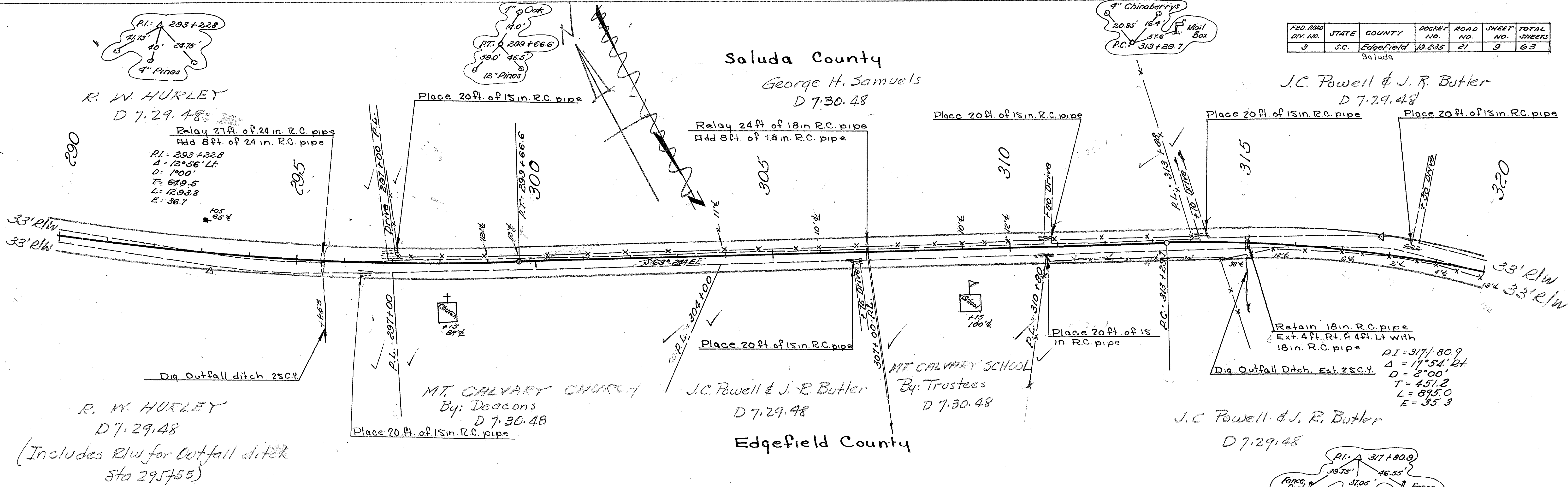
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3	S.C.	Edgefield	19,235	21	9	63

J.C. Powell & J.R. Butler
D 7.29.48

Saluda County
George H. Samuels
D 7.30.48

R. W. HURLEY
D 7.29.48

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	CHECKED		
	BY		
	DATE		



PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	GRADES CHECKED		
	B. M.'S NOTED		
NO.	STRUCTURE NOTATIONS CHECKED		

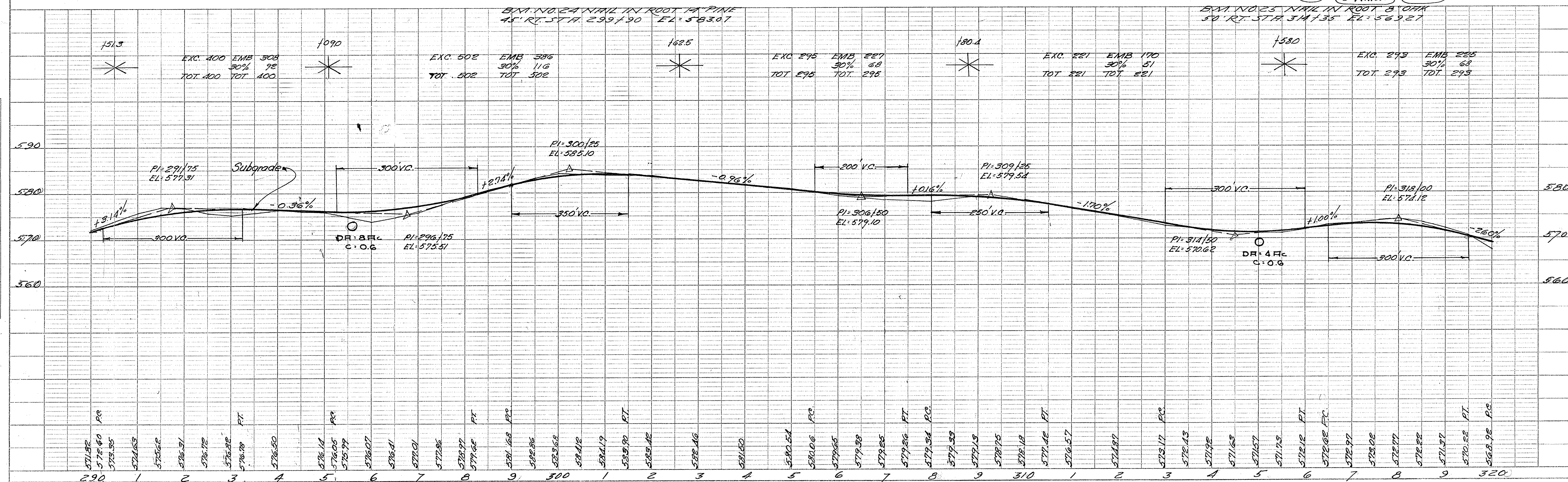


PLATE 1 - PLAN - PROFILE OF P. R. & R. E. STANDARD
CHARLES BRUNING CO., INC., NEW YORK

DK 19235
Edgefield Co.
Rd 21

Diagram of a triangular plot with a point (P.T.) at the top vertex. The left side is 34.3' to a 'Fence Post'. The right side is 36.15' to another 'Fence Post'. The base is 48.3' with a '12" Pine' at its midpoint. The top angle is labeled 'P.T. = 322.4 24.7'.

Saluda County

Place 20ft. of 15 in. R.C. pipe

J.C. Powell &
J.R. Butler
D 7-29.48 + 50
320
O.K.

Retain 24 ft. of 18 in. R.C. pipe, Ext
4 ft. Rt. & 4 ft. Lt with 18 in. R.C. pipe

In place 24 ft. of 48 in C.H. pipe
Place 36 ft. of 30 in. R.C. pipe

Retain 24 ft. of 18 in. R.C. pipe
Ext. 8 ft. Lt. with 18 in. R.C. pipe

335

340

345

350

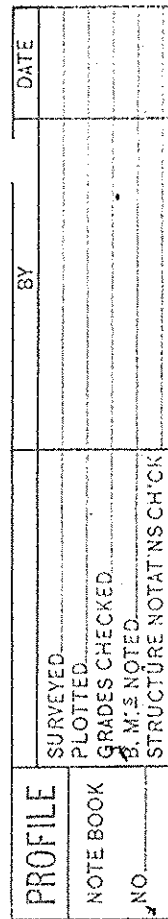
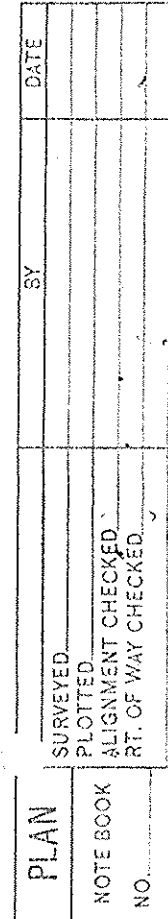
33' R/W
33' R/W

Johnnie Miles
D7.29.48

A. B. Etheredge Est.
By Heirs
D 7. 24. 78

J. C. POWELL & J. R. BUTLER
D 7. 29. 48

Edgefield County

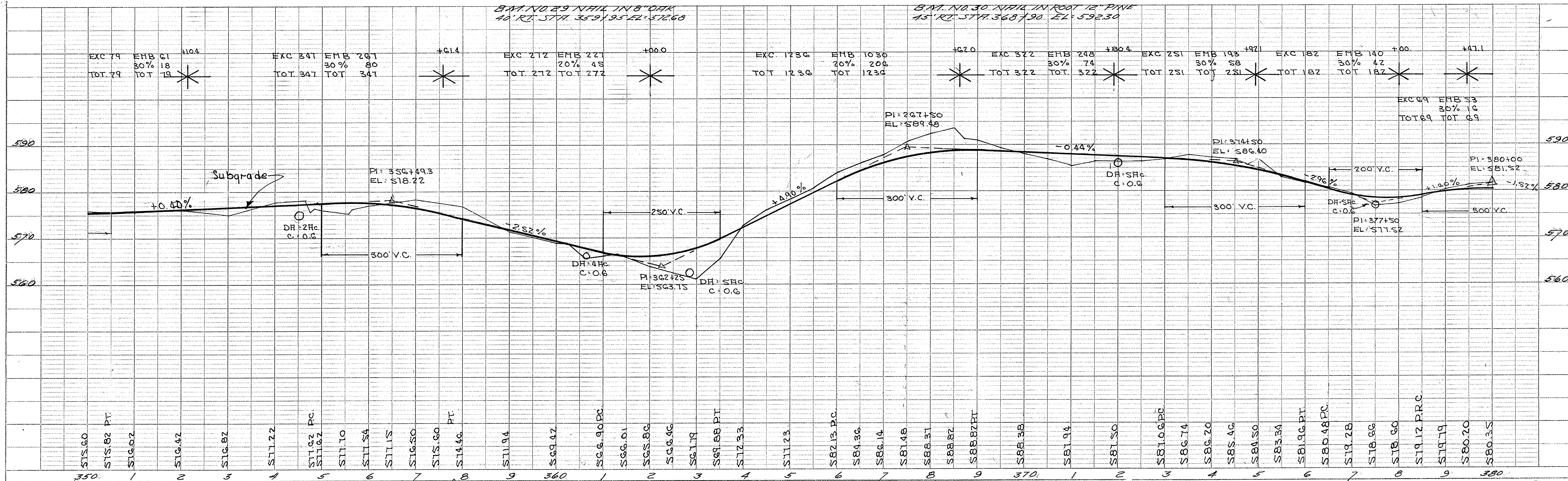
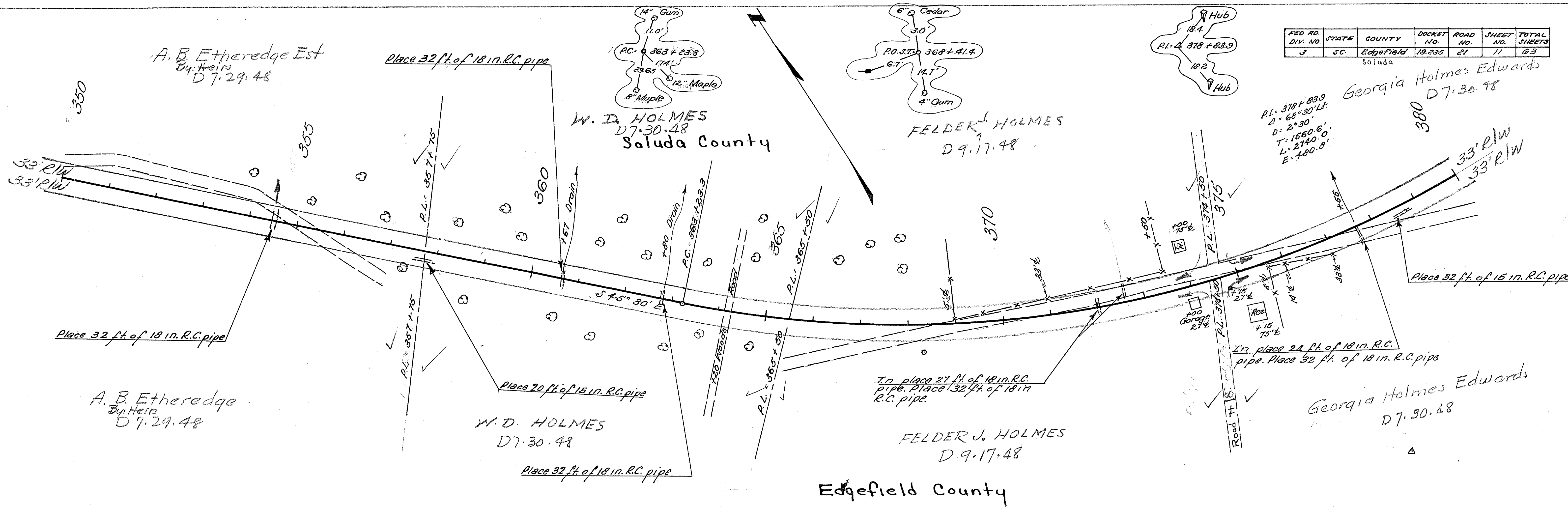


DK 19235
Edgefield Co.
Rd. 21

PLAN	SURVEYED	DATE
	PLOTTED	BY
NO.	NOTE BOOK	CHECKED
	BY	DATE

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NO.	NOTE BOOK	CHECKED
	BY	DATE

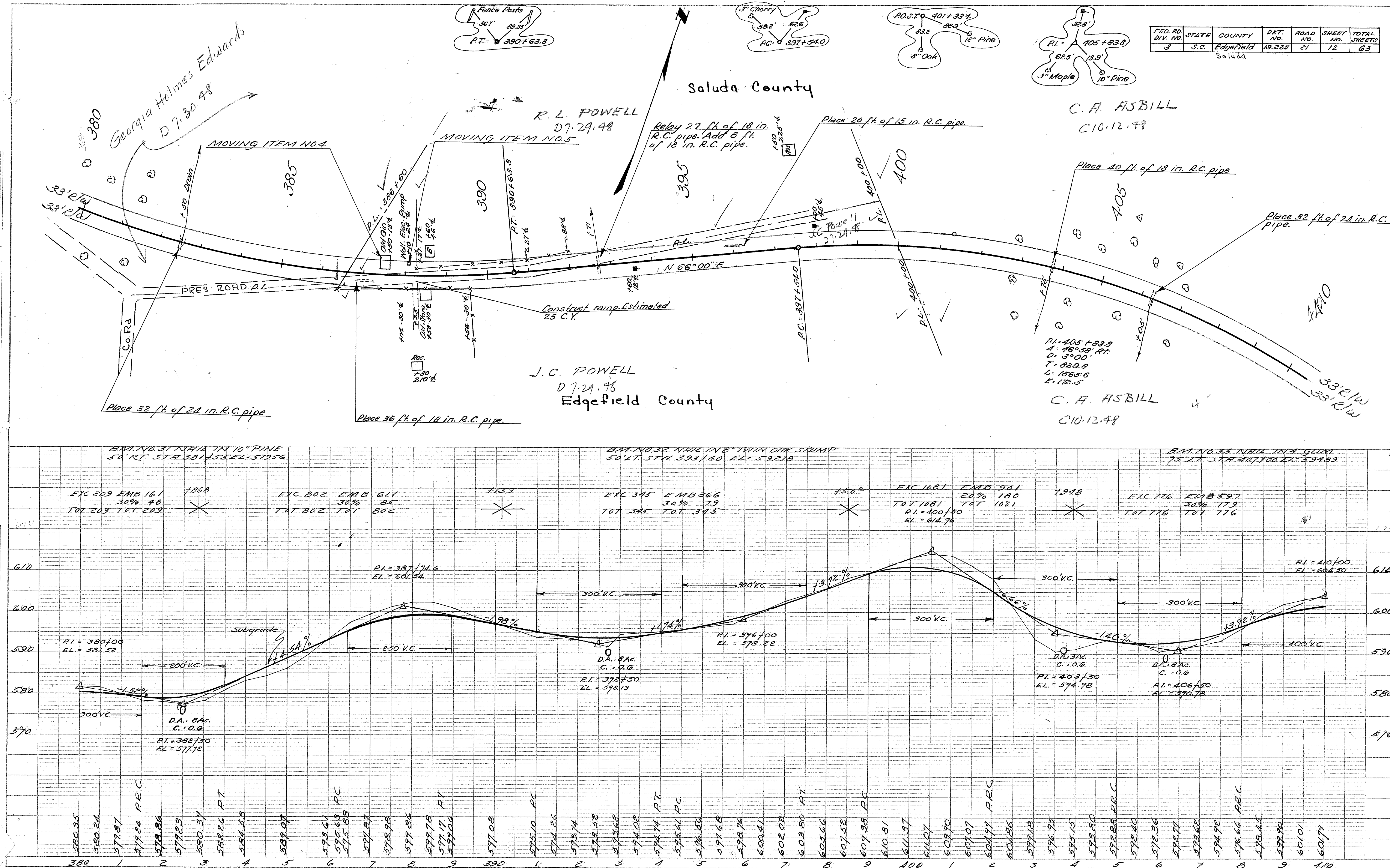
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3	SC	Edgefield	19,235	21	11	63



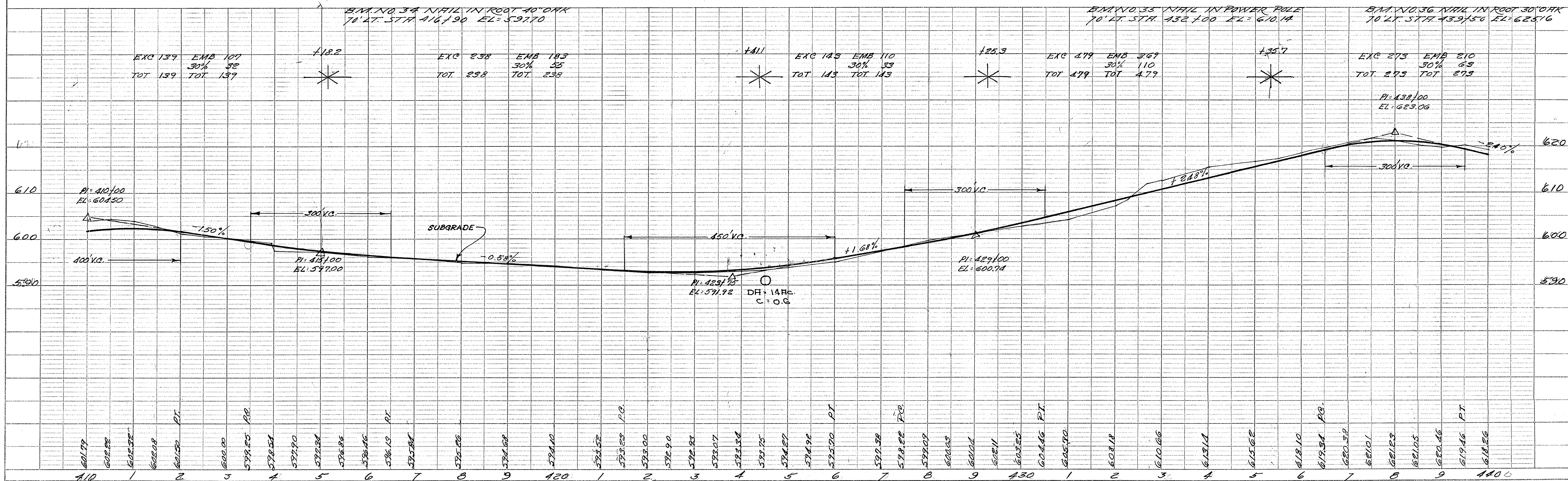
DK 19235
Edgefield Co
Rd. 21

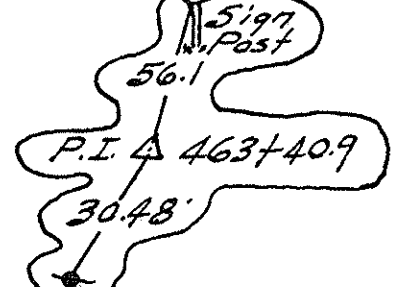
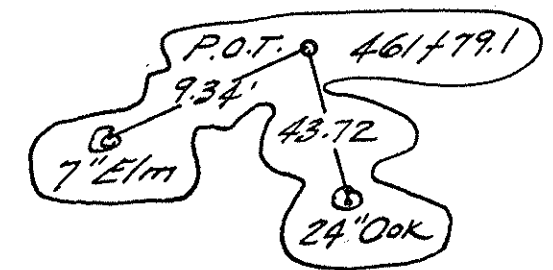
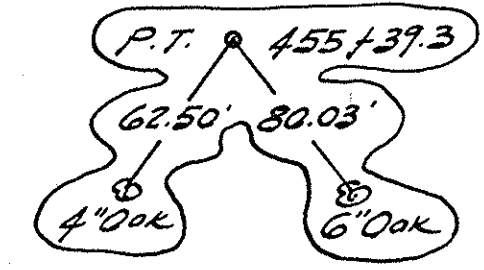
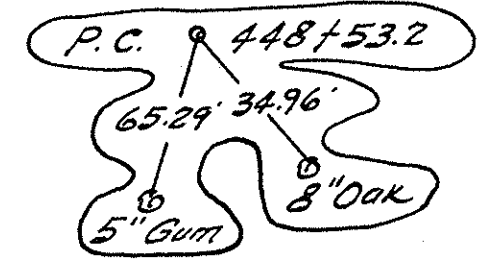
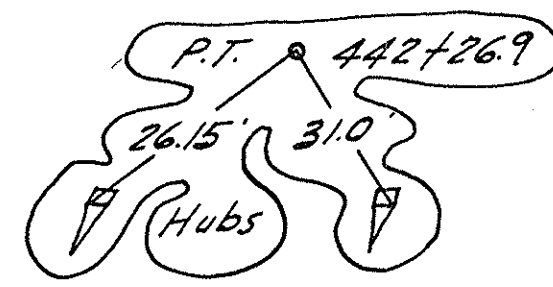
PLAN		SY	DATE
NO.	NOTE BOOK ALIGNMENT CHECKED RT. OF WAY CHECKED		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	B. M. # NOTED		
	STRUCTURE NOTATIONS CHECKED		



FED. RD. DIV. NO.	STATE	COUNTY	DKT. NO.	ROAD NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	Edgefield	19.235	21	13	63
Saluda						





Fed. Rd. Div. No.	STATE	COUNTY	Docket No.	Road No.	Sheet No.	Total Sheets
3	S.C.	Edgefield	19.235	21	12	63

L. P. QUARLES
D. 7.9.48
Saluda County

C. A. HSBILL
C. 10.12.48

Retain 21 ft. of 24 in. R.C. pipe
Ext. 4 ft. R. & 4 ft. L. with 24 in. R.C. pipe

In place 18 ft. of 18 in. R.C. pipe
Place 36 ft. of 18 in. R.C. pipe on 30° skew

Tie Equality Only:-
Sta. 463+40.9, Docket 19.235 -
Sta. 533+74.4, F.A.P. 258-C, REOP, SEC. 3

Note: A 66' R/W (33' on each side) was secured in 1931 on Rt. 19 along and adjacent to its intersection with Rd. 21.

SURVEY STA. 463+28.0 END OF DOCKET NO. 19.235, PART 2 & DR. 41.240 AT INTERSECTION WITH RT. 19

C. A. HSBILL
C. 10.12.48

Edgefield County

Dig Outfall Ditch Est. 100 C.Y.
Dig Outfall Ditch Est. 50 C.Y.

L. P. QUARLES
D. 7.9.48

B.M. NO. 37 NAIL IN ROOT 18" OAK
40' LT. STA. 452+75 EL. = 602.82

B.M. NO. 38 NAIL IN POWER POLE
50' LT. STA. 463+40 EL. = 612.20

ENC. 610 EMB. 469
TOT. 610 30% 141
OVERHAUL 21A CY/MT

U.S.S. & S.C. B.M. NO. 5-283 ABOUT 175 MI. N. OF JOHNSTON, EDGEFIELD CO., 10.5 MI. S. OF SALUDA, 0.25 MI. N. OF STA. 5-282+1, 86.8' W. OF BOTTLE CAP IN T.P. 33' ON E. SIDE OF STATE HWY. 19, 85.2' N. OF BOTTLE CAP IN NAIL BOX POST ON E. SIDE OF HWY. AND 62' E. OF BOTTLE CAP IN T.P. ON W. SIDE OF HWY. STANDARD DISK IN CONC. FLUSH WITH GROUND. EL. = 605.037. EL. = 605.04 THIS SURVEY.

SURVEY STA. 463+28.0 END OF DOCKET NO. 19.235, PART 2 & DR. NO. 41.240 AT INTERSECTION WITH RT. 19

