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2 TYPICAL CROSS SECTION OF IMPROVEMENT.

3 ENDWALLS FOR PIPE CULVERTS

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6-7 " " " " 30+00 " " 30+00

8-9 " " " " 30+00 " " 150+00

10-11 " " " " 150+00 " " 210+00

12-13 " " " " 210+00 " " 270+00

14-15 " " " " 270+00 " " 330+00

16-17 " " " " 330+00 " " 381+54

18 5'x5'x42 CONCRETE BOX CULVERT AT STA. 9+80

19 8'x8'x28 CONCRETE BOX CULVERT AT STA. 49+70

20 4'x4'x33 SKEWED CONCRETE BOX CULVERT AT STA. 168+70

21 DOUBLE 10'x10'x32 CONCRETE BOX CULVERT AT STA. 180+33

22 4'x4'x34 SKEWED CONCRETE BOX CULVERT AT STA. 300+75

23-48 CROSS SECTIONS STA. 0+00 TO STA. 381+54

STATE OF SOUTH CAROLINA  
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY

FEDERAL AID PROJECT  
No. 270  
SEC. "A" & SEC. "B"

FLORENCE-DARLINGTON COUNTY  
FROM FLORENCE TO DARLINGTON

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

FED. ROAD DIST. NO.	STATE	COUNTY	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	S. C.	Florence Darlington	270		1	48

SUMMARY OF ESTIMATED QUANTITIES

STATION	SHEET NO.	ITEM	CONCRETE (CUBIC YARDS)			REINFORCING (LBS.)		EXCAVATION (CU. YDS.)		PILES (LINEAL FEET)	
			CLASS "A"	CLASS "B"	CLASS "C"	STEEL (LBS.)	WET	DRY	TREATED	UNTREATED	
9+80	18	5'x5'x42 CONG. BOX CULV'T	329			28.43					
49+70	19	8'x8'x28 CONG. BOX CULV'T	502			36.42					
168+70	20	4'x4'x33 SKEWED CONG. BOX CUL.	277			20.95					
	3	ENDWALLS FOR PIPE CULVERTS			17.68						
180+33	21	DO. 10'x10'x32 CONG. BOX CUL.	107.7			100.50					
		SEC. "A" TOTALS	218.5		17.68	18,640					
181+30	21	DBLE 10'x10'x32 CONG. BOX CUL.	107.7			100.50					
182+80	21	DBLE 10'x10'x32 CONG. BOX CUL.	107.7			100.50					
300+75	22	4'x4'x34 SKEWED CO. BOX CUL.	21.9			16.00					
	3	ENDWALLS FOR PIPE CULVERTS			30.26						
		SEC. "B" TOTALS	237.3		30.26	21,700					

SEC. "A" TOTAL PIPE FOR CULVERTS				SEC. "B"				TOTAL CLEARING & GRUBBING ON PITS		SEC. "A"		SEC. "B"	
DIAM.	REINF. CONCRETE	VITRIFIED CLAY	REINF. CONCRETE	DIAM.	REINF. CONCRETE	VITRIFIED CLAY	REINF. CONCRETE	ACRES	CUBIC YARDS	ACRES	CUBIC YARDS	ACRES	CUBIC YARDS
15"	177	---	---	15"	---	---	---	---	---	---	---	---	---
18"	393	---	---	18"	---	---	---	---	---	---	---	---	---
24"	15	---	---	24"	---	---	---	---	---	---	---	---	---
30"	---	---	---	30"	---	---	---	---	---	---	---	---	---
36"	78	---	---	36"	---	---	---	---	---	---	---	---	---

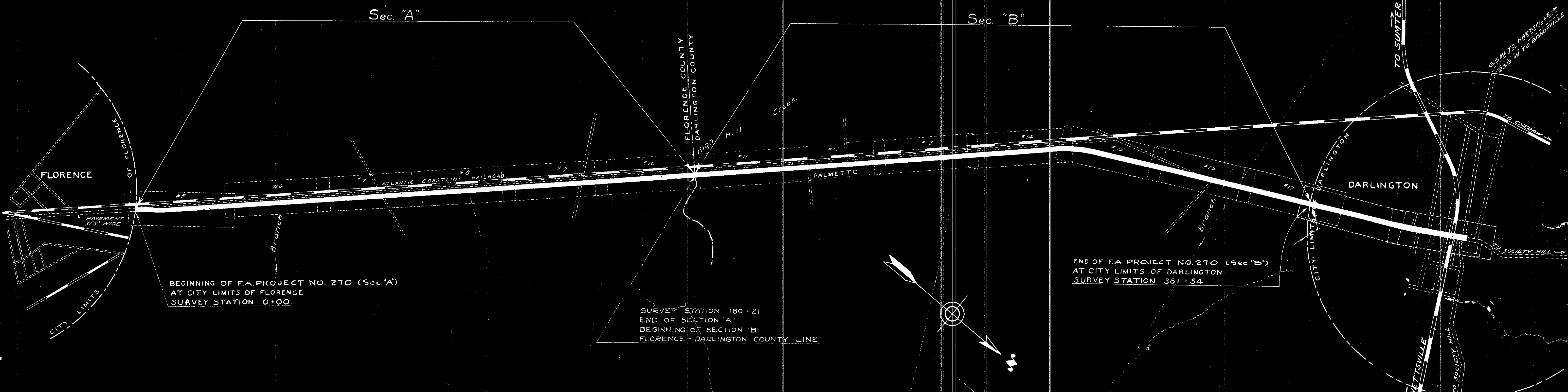
NOTE: - ALTERNATE BIDS ARE TO BE RECEIVED ON SURFACING. ITEMS MARKED INDICATED BY (O) AND (X)

CHANGES INVOLVING INCREASED COST OF PROJECT MUST BE SPECIFICALLY AUTHORIZED BY THE STATE HIGHWAY ENGINEER IN ADVANCE OF BEING MADE. DIVISION ENGINEERS MAY AUTHORIZE MINOR ALTERATIONS NOT IN CONFLICT WITH THE STANDARD PRACTICE OF THE DEPARTMENT AND NOT INVOLVING INCREASES IN COST.

KEEP A RECORD ON YOUR PLANS OF ALL CHANGES MADE DURING CONSTRUCTION, AND FORWARD TO COLUMBIA OFFICE EACH MONTH INFORMATION NECESSARY TO CHECK MONTHLY ESTIMATES.

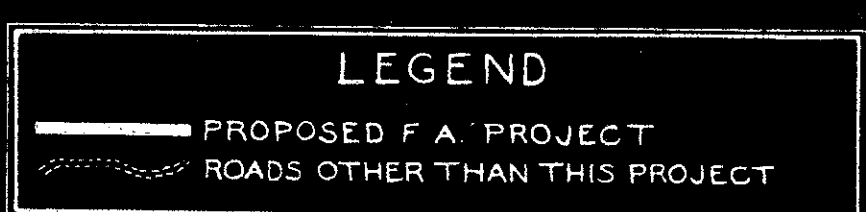
SEE PLANS FOR BUILDINGS, WELLS, AND FENCES WHICH ARE TO BE MOVED FROM THE RIGHT OF WAY.

\*NOTE: - STRAIGHT HEADWALLS USED ON 15 INCH AND 18 INCH PIPE CULVERTS, AND 45° HEADWALLS ARE USED ON 24 INCH, 30 INCH AND 36 INCH PIPE CULVERTS.



CONVENTIONAL SIGNS

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



LAYOUT  
Scale: 1 inch = 1500 ft.

	Sec. "A"	Sec. "B"
Gross Length of Project	3.413	3.813 Miles
Exceptions	NONE	NONE Miles
Net Length of Project	3.413	3.813 Miles

Note: All workmanship and material on this project to conform with South Carolina State Highway Department Specifications, Contract and Bond, for Roads and Culverts, revised May 1st, 1921 and for Bridges, revised Dec. 1st, 1921, as approved by the U. S. Secretary of Agriculture.

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

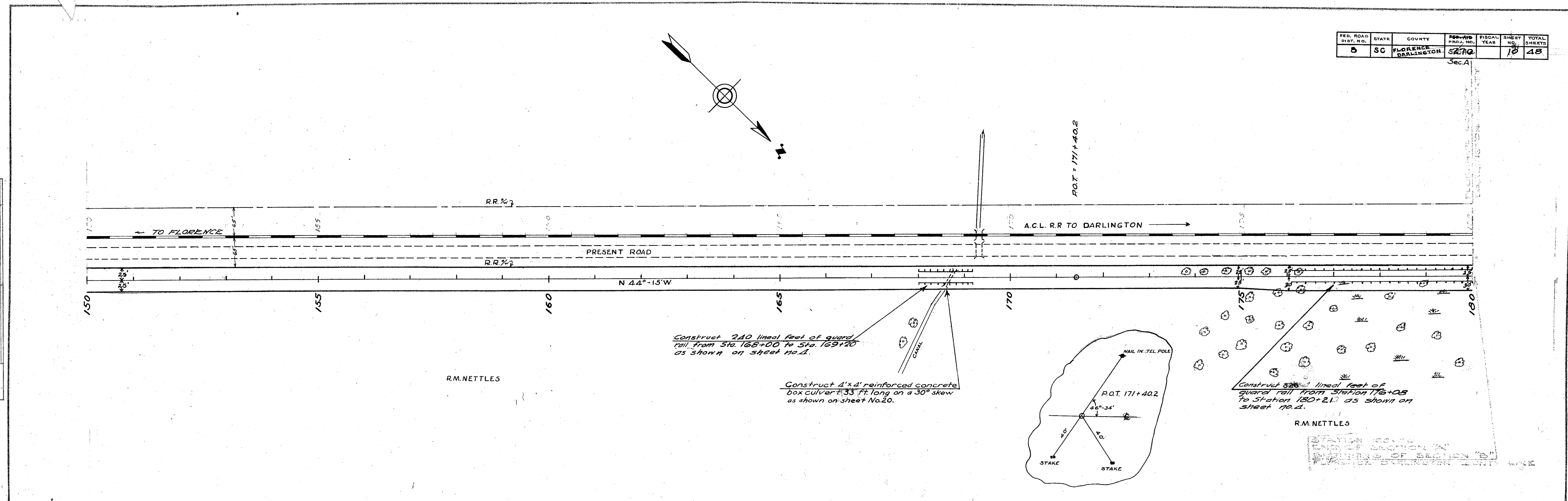
RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_



Sec A

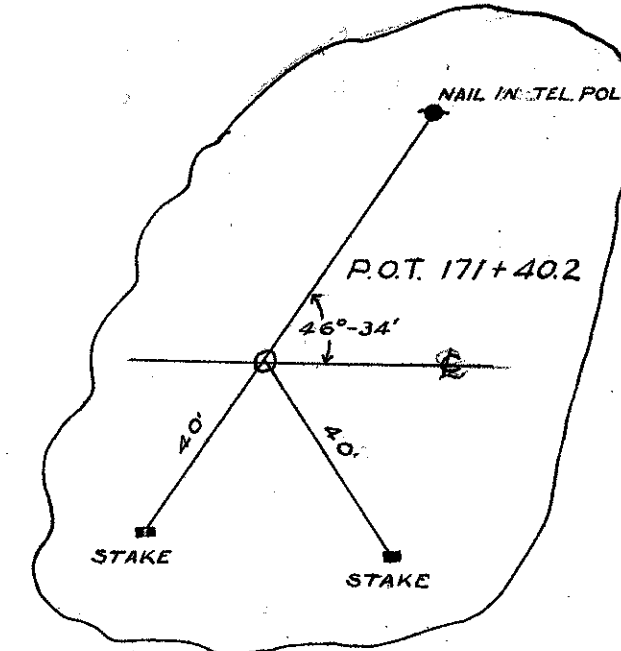
PLAN  
 SURVEYED BY: [Name]  
 PLOTTED BY: [Name]  
 NOTE BOOK NO.: [Number]  
 ALIGNMENT CHECKED BY: [Name]  
 RT. OF WAY CHECKED BY: [Name]



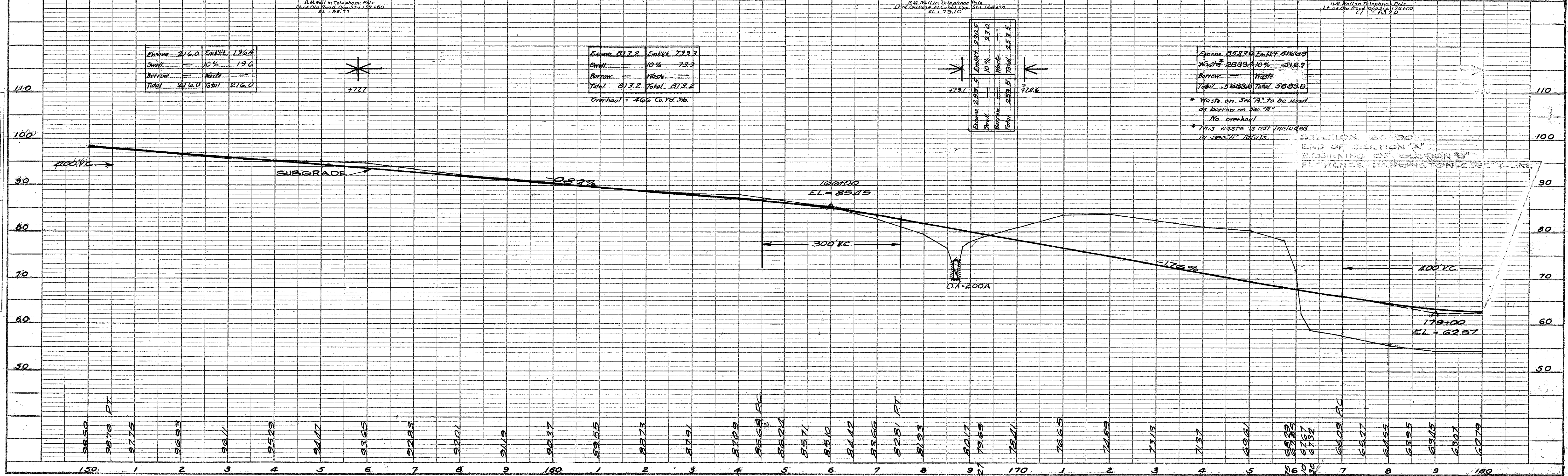
Construct 240 lineal feet of guard rail from Sta. 168+00 to Sta. 169+20 as shown on sheet No. 1.

Construct 4'x4' reinforced concrete box culvert 33 ft long on a 30° skew as shown on sheet No. 20.

Construct 826 lineal feet of guard rail from Station 176+08 to Station 180+21 as shown on sheet No. 1.



PROFILE  
 SURVEYED BY: [Name]  
 PLOTTED BY: [Name]  
 NOTE BOOK NO.: [Number]  
 GRADES CHECKED BY: [Name]  
 STRUCTURE NOTATIONS CHECKED BY: [Name]



Excavate	216.0	Embank	126.0
Small	10%	Waste	13.6
Borrow			
Total	216.0	Total	216.0

Excavate	813.2	Embank	733.9
Small	10%	Waste	73.3
Borrow			
Total	813.2	Total	813.2

Overhaul = 466 Cu. Yd. 56.

Excavate	253.5	Embank	232.5
Small	10%	Waste	23.0
Borrow			
Total	253.5	Total	253.5

Excavate	352.0	Embank	516.9
Small	10%	Waste	51.6
Borrow			
Total	352.0	Total	568.6

\* Waste on Sec. A to be used as borrow on Sec. B.  
 No overhaul.  
 \* This waste is not included in Sec. A totals.

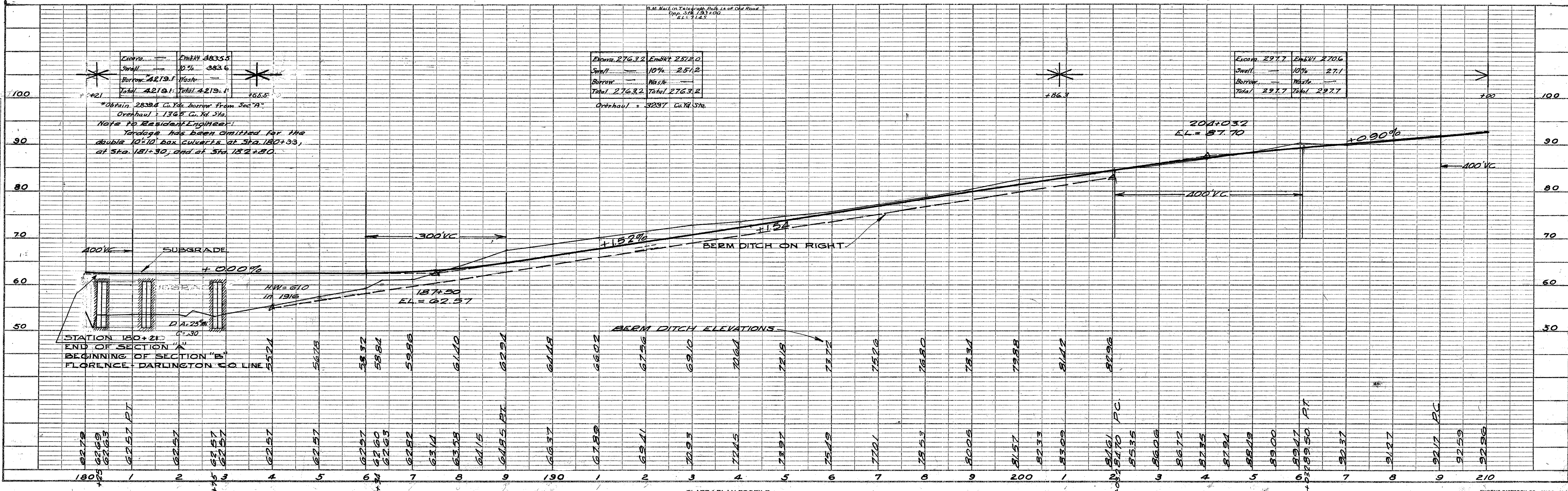
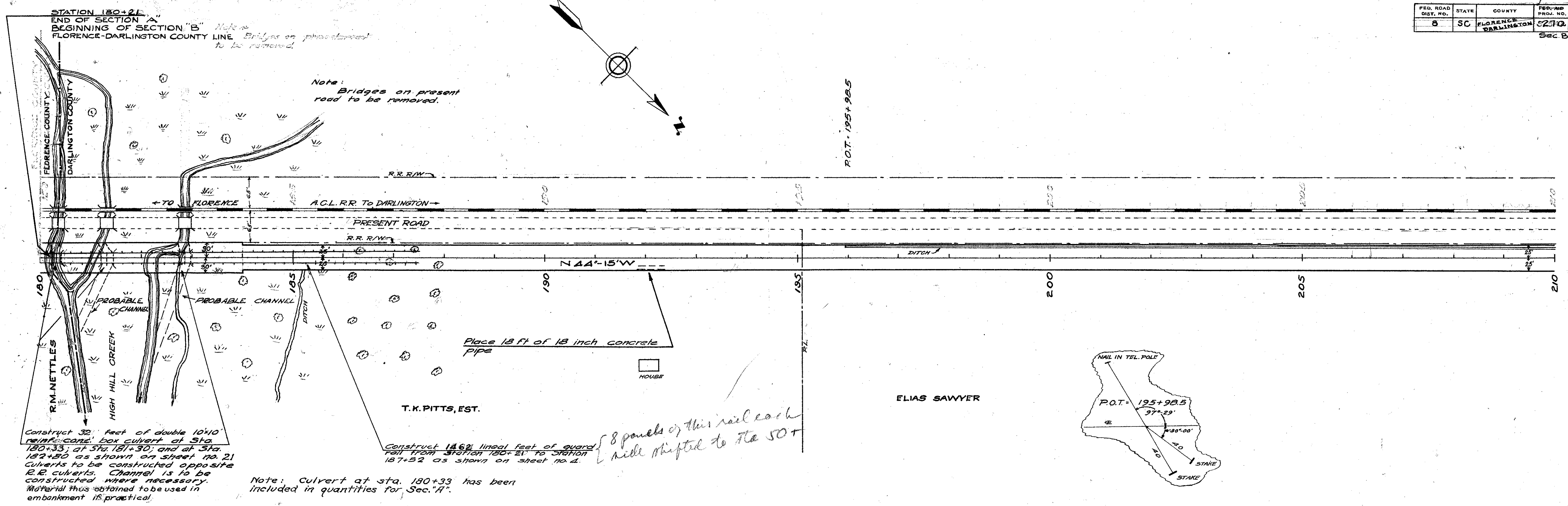
STATION 160+00  
 END OF SECTION "A"  
 BEGINNING OF SECTION "B"  
 FLORENCE DARLINGTON COUNTY LINE



FED. ROAD DIST. NO.	STATE	COUNTY	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	SC	FLORENCE-DARLINGTON	5210		11	48

DATE	BY	SURVEYED	PLANNED
7-1-34	J.P.	7-1-34	7-1-34
7-1-34		7-1-34	7-1-34
7-1-34		7-1-34	7-1-34

DATE	BY	SURVEYED	PLANNED
7-1-34	J.P.	7-1-34	7-1-34
7-1-34		7-1-34	7-1-34
7-1-34		7-1-34	7-1-34





Notes  
Store at sta 211+75 to be moved from E/W.

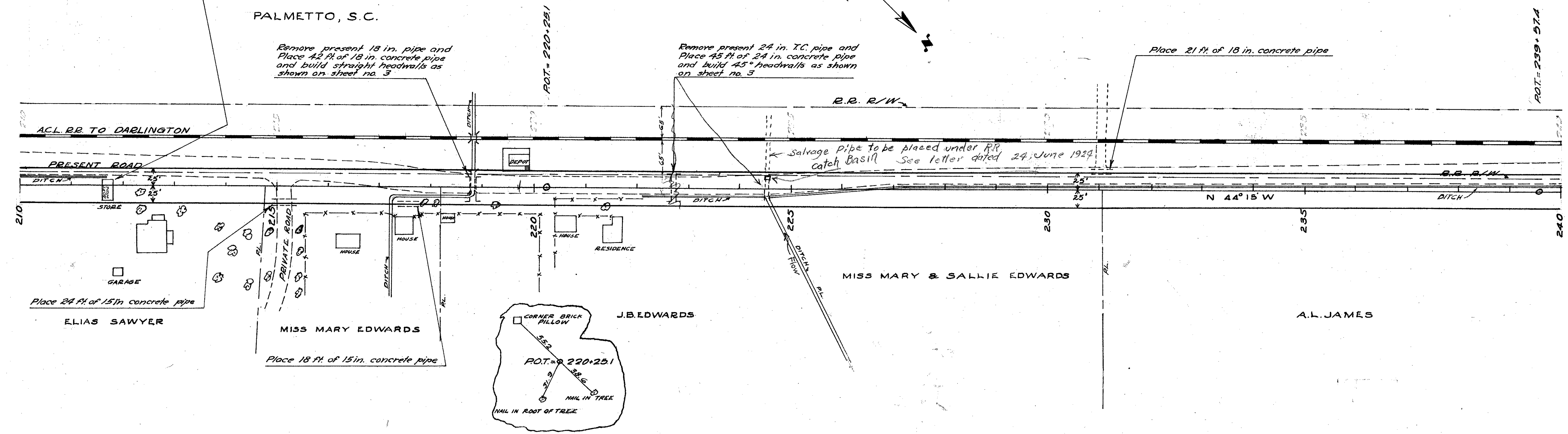
PALMETTO, S.C.

Remove present 18 in. pipe and Place 42 ft. of 18 in. concrete pipe and build straight headwalls as shown on sheet no. 3

Remove present 24 in. T.C. pipe and Place 45 ft. of 24 in. concrete pipe and build 45° headwalls as shown on sheet no. 3

Place 21 ft. of 18 in. concrete pipe

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



PROFILE  
SURVEYED  
PLOTTED  
GRADES CHECKED  
NOTE BOOK NO.  
STRUCTURE NOTATIONS CHECKED

