

FED. ROAD DIST. NO.	STATE	F.A.S. PLAN NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	360-E (I)	1	

COLORADO STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED

FEDERAL AID SECONDARY PROJECT NO. F.A.S. 360-E (I)

STATE HIGHWAY NO. 96

CUSTER COUNTY

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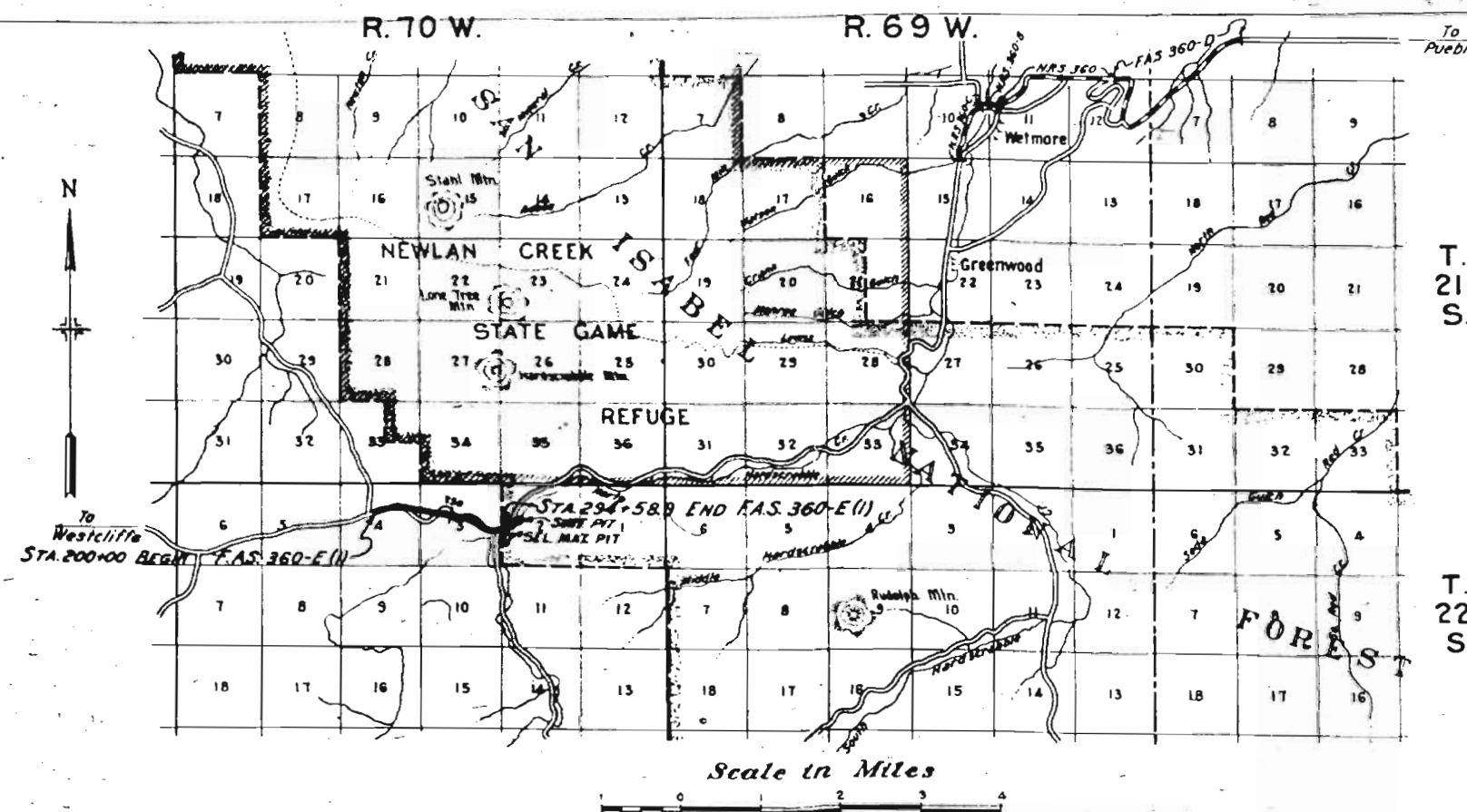
M102E
 M19A
 M21B
 M22B
 M24FX
 M1B
 M2B

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY
 RIGHT OF WAY LINES
 SECTION LINES
 ONE QUARTER SECTION LINES
 BARBED WIRE FENCE
 RAIL FENCE
 GUARD FENCE
 TIMBER GUARD POSTS
 TELEPHONE LINES

SCALES OF ORIGINAL TRACINGS

ON PLAN, 1 IN. = 100 FT.
 ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
 1 IN. = 10 FT. VERTICAL
 GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
 GROSS LENGTH OF PROJECT } 9,458.9 FT. = 1.791 MI.
 NET LENGTH OF PROJECT }



NOTE

The Department recommends that prospective bidders on this project go over the plan details with one of the following field representatives of this Department.

J. D. Bell Div. Engineer Pueblo, Colo.
 J. W. Robertson Res. Canon City, Colo.

RECOMMENDED FOR APPROVAL

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TYPICAL SECTION



LOCATION	SIDE	SPACING LIN.FT.	POST -NO.
207+80-209+40	L.I.	20	9
213+25-215+65	R.I.	20	13
218+25-224+25	R.I.	20	31
220+80-221+60	L.I.	20	5
240+30-244+50	R.I.	20	21
256+80-260+00	L.I.	20	17
257+20-260+20	R.I.	20	16
264+50-265+70	L.I.	20	7
264+70-265+90	R.I.	20	7
273+50-277+60	R.I.	20	11
275+60-278+60	L.I.	20	16
286+60-288+20	R.I.	20	9
TOTAL			162

SUMMARY OF APPROXIMATE QUANTITIES

NO.	ITEM	UNIT	ROADWAY	TOTAL
10 d	Clearing & Grubbing Entire Proj.	Lump Sum	•	•
11 b	Removal of 11 Structures	Lin. Ft.	•	•
12 d	Removing Fence	Cu. Yd.	11,600	11,600
13 c	Unclassified Excavation	Cu. Yd.	59,000	59,000
14 a	Dry Rock Excavation (Struct.)	Cu. Yd.	150	150
14 b	Dry Common Excavation (Struct.)	Cu. Yd.	150	150
14 c	Wet Rock Excavation (Struct.)	Cu. Yd.	150	150
14 d	Wet Common Excavation (Struct.)	Cu. Yd.	150	150
18 a	Station Yard Overhaul	Sq. Yd.	100,500	100,500
18 b	Yard Mile Overhaul	Yd. Mi.	1,700	1,700
26 a	Gravel or Crushed Rock Surf.	Ton	8,700	8,700
26 c	Overhaul of Surfacing	Ton Mi.	1,400	1,400
46 a	Class "A" Concrete	Cu. Yd.	60	60
46 b	Class "B" Concrete	Cu. Yd.	33	33
47	Reinforcing Steel	Lb.	2,100	2,100
53 b	18 Corrugated Metal Culvert Pipe	Lin. Ft.	72	72
53 c	24 Corrugated Metal Culvert Pipe	Lin. Ft.	532	532
53 e	36 Corrugated Metal Culvert Pipe	Lin. Ft.	84	84
53 g	48 Corrugated Metal Culvert Pipe	Lin. Ft.	94	94
53 h	60 Corrugated Metal Culvert Pipe	Lin. Ft.	136	136
74 x	Timber Guard Posts	Each	168	168
75 x	Metal Plate Guard Fence	Lin. Ft.	528	528
76 d	Black Wire Fence (with Wood Posts)	Lin. Ft.	10,700	10,700
76 g	Barbed Wire Gates	Each	16	16
81 a	Project Markers	Each	2	2
81 b	Right of Way Markers	Each	23	23
11 c	Remove a Road on house Sta 201	Lump Sum	•	•
11 d	Remove long house Sta 200	•	•	•
	Fence Account			
	Overhauling and Repairing Fences	Lump Sum	•	•
	Moving Non-Removable Telephone	•	•	•
	Line by Co. Forces	•	•	•
	Moving M.T. & T. Telephone Line	•	•	•
	by Co. Forces	•	•	•

GENERAL NOTES

The present traveled roadway will be used for traffic during construction of this project. At all places on project where construction encroaches on present road traffic ~~shall~~ be adequately provided for at the contractor's expense. Also, the contractor shall, at his own expense, construct and maintain in safe condition, all temporary approaches to and crossings of intersecting roads.

SURFACING PLAN

MATERIAL to be Placed	SOURCE	AVAILABLE Tons	USED Tons	Ton Mile Overhaul
200-00 200-00 and approaches	Surfacing Pit 100 ft right of road of SA 200-50 in the NW 1/4 S 2, T 25 S, R 10 W	Ample	36.10	1,000
200-00 200-50 and approaches			50.12	F.N.
TOTALS			86.20	1,000

ROW MARKERS

LOCATION	SIDE	NO.
100+00	RT-LF	2
100+30	RT-LF	2
110+00	LF	1
120+00	LF	1
125+00	LF	1
135+30	LF	1
150+33	RT-LF	2
150+50	LF	1
160+00	LF	1
165+00	LF	1
165+13	LF	1
165+25	RT	1
177+00	RT	1
182+00	RT	1
187+00	RT	1
191+03	RT	1
193+00	LF	1
194+50	RT-LF	2
TOTALS	-	23

SELECTED MATERIAL

Selected Material shall be placed and spread on the subgrade approximately six inches thick at the rate of 67 cu yds. per 100 lin ft of roadway between the stations listed below.

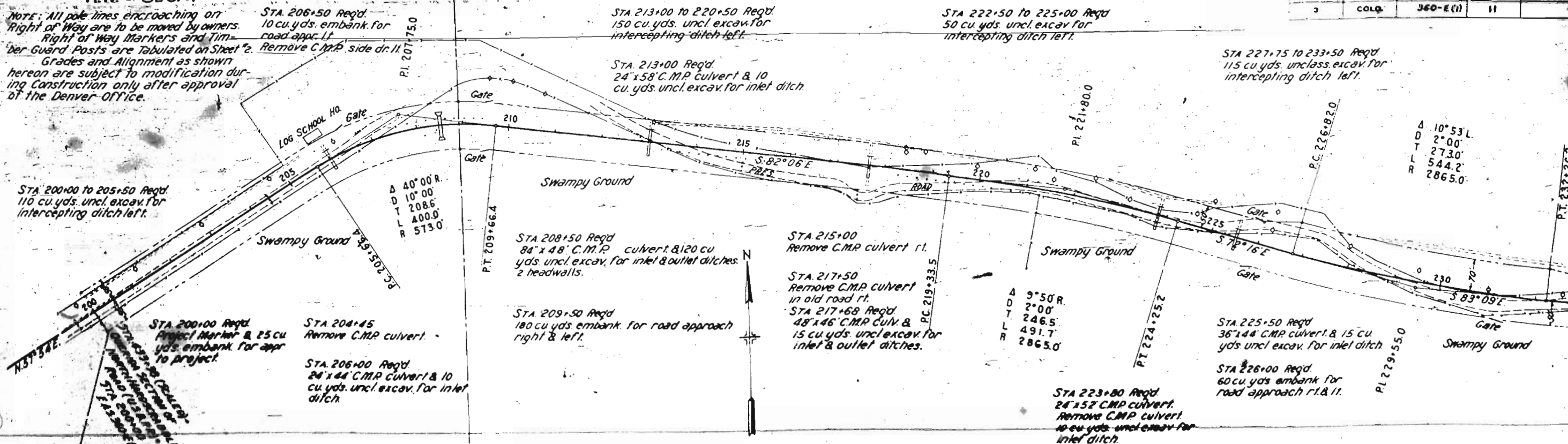
It is estimated that the material will be obtained in the vicinity of the pit indicated below. The estimated quantities involved in the placing of Selected Material are shown below.

MATERIAL TO BE PLACED STATION TO STATION	QUANTITY CU. YD.	SOURCE OF MATERIAL	ESTIMATED QUANTITY	
			STA. YD.	YD.
213+60 - 217+50	261	1000 feet south of station 220+00 in the NW 1/4 of S.W. 1/4 S. 2, T. 22 S., R. 70 W.	2871	338
222+50 - 230+00	771		8409	818
237+00 - 238+50	218		2390	131
<i>total to be placed in ditches</i>				
241+50 - 245+00	235		2505	181
260+00 - 263+00	228		2500	98
286+70 - 296+50	523		3660	
TOTALS	2236		22,503	1624

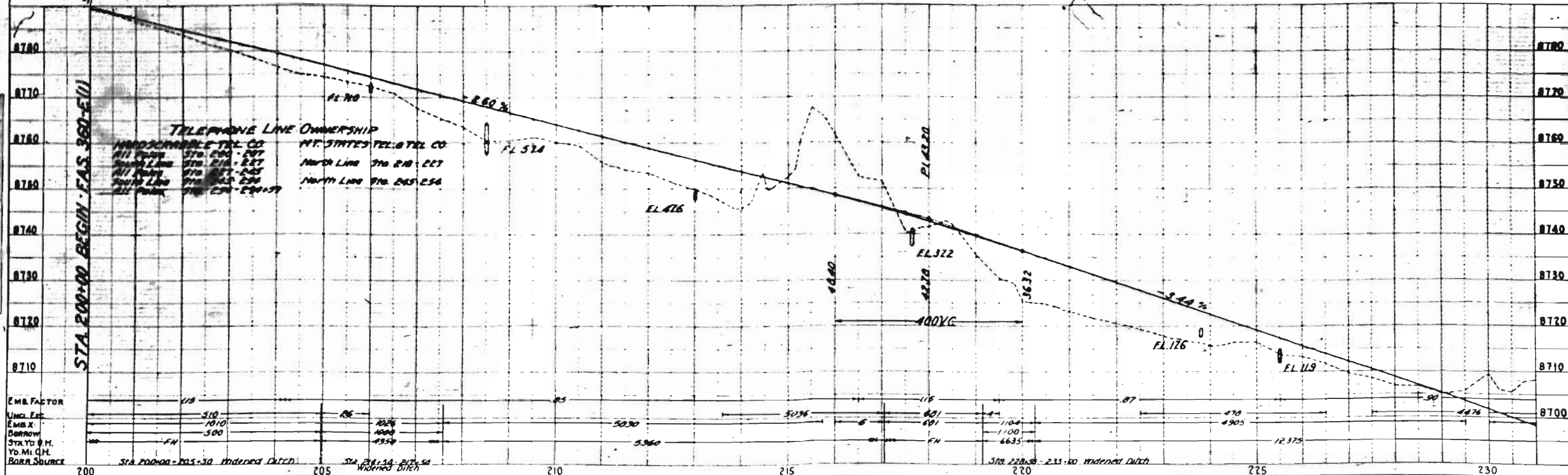
NW 4 SEC. 4

NOTE: All pole lines encroaching on Right of Way are to be moved by owners. Right of Way Markers and Timber Guard Posts are tabulated on Sheet "a". Remove C.M.P. side dr. II. Grades and Alignment as shown hereon are subject to modification during construction only after approval of the Denver Office.

FED. ROAD DIST. NO.	STATE	FAS PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	360-E(1)	11	

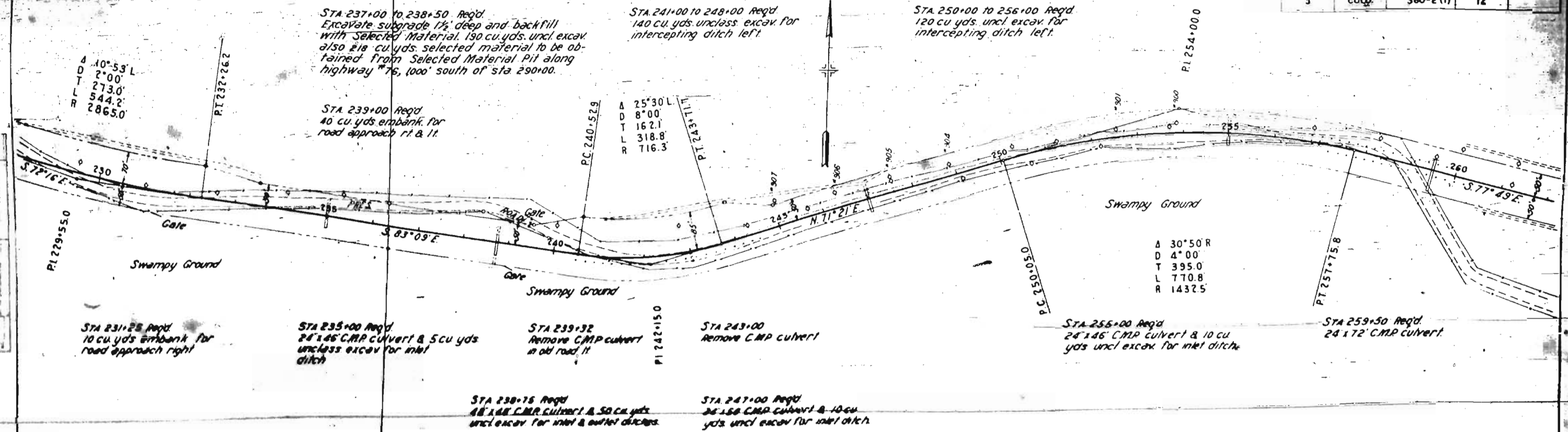


NE 4 SEC. 4, T. 22 S., R. 70 W.

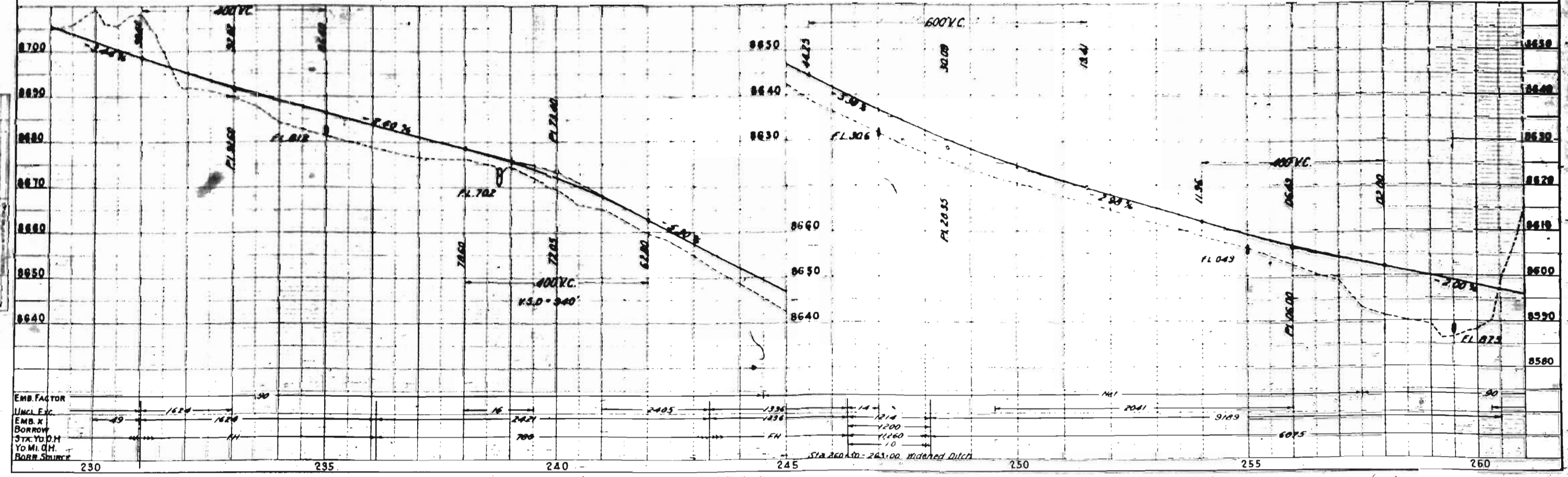


NE 4 SEC. 4

FED. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLORADO	360-E (1)	12	



NW 4 SEC. 3, T.22 S. R. 70 W.



EMB. FACTOR	1.00
UNCL. EXC.	1.00
EMB. X	1.00
BORROW	1.00
STA. Y.O.D.H.	1.00
Y.O.M.O.H.	1.00
BORR. SOURCE	1.00

NE. 4 SEC. 3, T. 22 S., R. 70 W.

FED. ROAD DIST. NO.	STATE	PLAN NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	360-E(1)	13	

STA. 260+00 to 264+50 Req'd.
90 cu. yds. uncl. excav. for
intercepting ditch left.

STA. 263+25 Req'd.
60 cu. yds. embank. for
road approach rt. & lt.
18"x24" C.M.P. side dr. lt. &
20 cu. yds. uncl. excav. for
inlet & outlet ditches.

STA. 267+50 to 274+30 Req'd.
175 cu. yds. uncl. excav. for
intercepting ditch left.

STA. 274+50 Req'd.
90 cu. yds. embank. for road
approach rt. & lt. & 18"x24"
C.M.P. side drain left.

STA. 280+50 Req'd.
190 cu. yds. embank. for
road approach left.

STA. 285+60 Req'd.
160 cu. yds. embank. for road
approach rt. & lt. & 18"x24"
C.M.P. side drain left.
Remove 4'x15' timber bridge lt.

STA. 260+50 to 263+00 Req'd.
70 cu. yds. uncl. excav. for
intercepting ditch right.

A 6'15" R.
D 2'00"
T 158.4
L 312.5
R 2865.0

STA. 265+00 Req'd.
84"x48" C.M.P. culvert on
75° 34' E. & 20 cu. yds. uncl. excav.
for inlet & outlet ditches. 2 headwalls.

STA. 272+50 Req'd.
36"x40" C.M.P. culvert & 100 cu. yds.
uncl. excav. for inlet & outlet ditches.

STA. 270+20 Req'd.
24"x40" C.M.P. culvert & 25 cu. yds.
uncl. excav. for inlet & outlet ditch.

STA. 280+00 to 285+30 Req'd.
600 cu. yds. uncl. excav. for channel
change right. Excavated material
to be used to fill old channel.

Typical Section

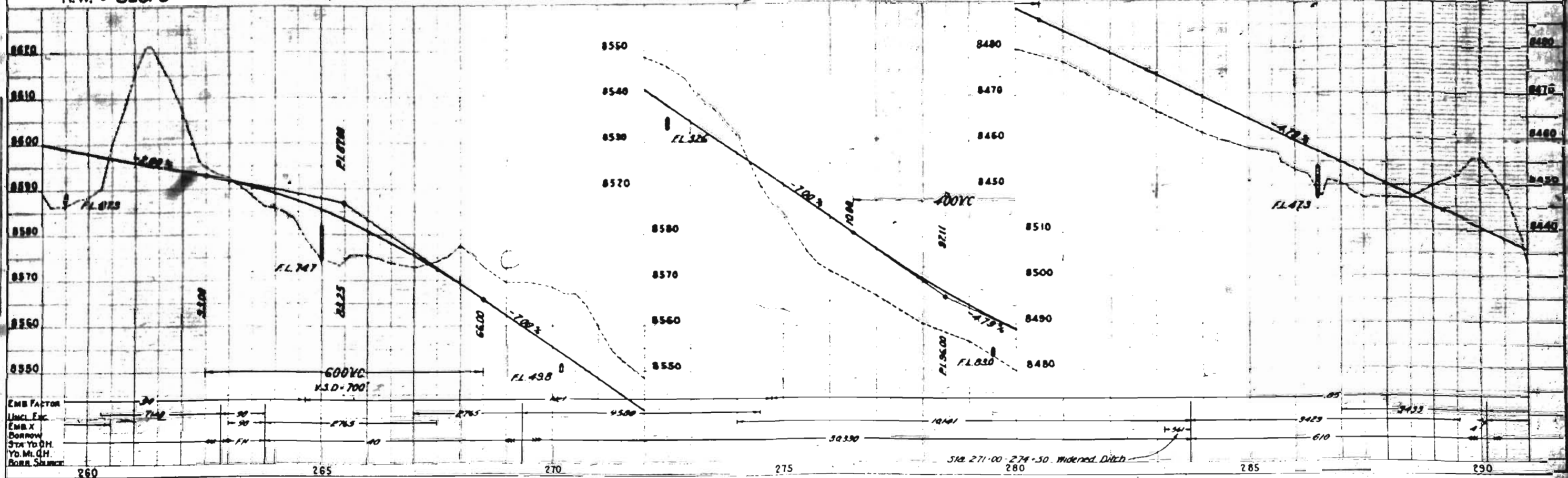
STA. 279+50 Req'd.
24"x60" C.M.P. culvert & 10 cu.
yds. uncl. excav. for outlet ditch.

STA. 286+50 Req'd.
84"x42" C.M.P. culvert & 60 cu. yds.
uncl. excav. for inlet & outlet ditches.
2 headwalls.

STA. 286+32
Remove C.M.P. culvert
in old road lt.

SE. 4 SEC. 3

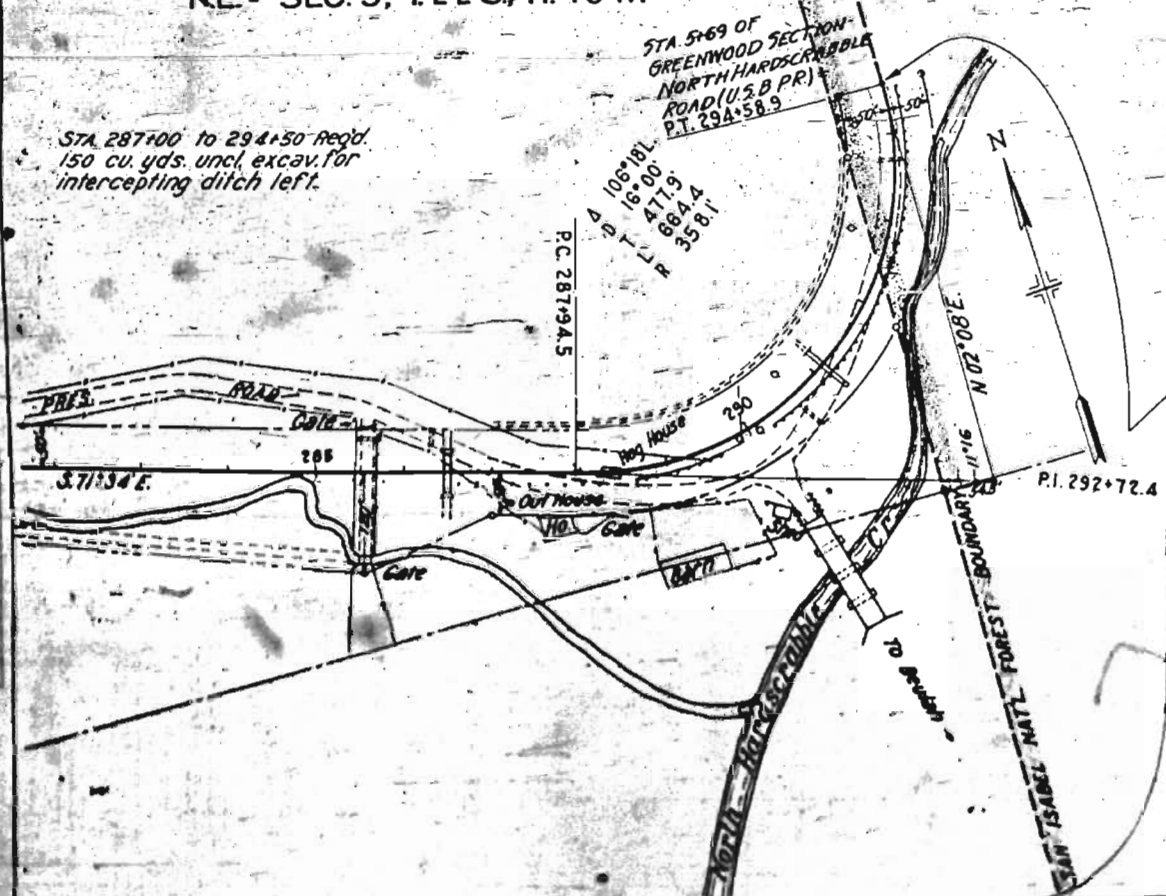
N.W. 4 SEC. 3



NE 4 SEC. 3, T.22 S., R. 70 W.

NW 4 SEC. 2

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	360-E (1)	14	



STA 294+58.9 Req'd.
Project Marker & 500 cu. yds.
embank for approach to project.

STA 293+70
Remove C.M.P. culvert.

STA 291+12 Req'd.
24'x64' C.M.P. culvert & 10 cu. yds.
uncl. excav. for inlet ditch.

STA 290+66
Remove C.M.P. culvert.
in old road r.t.

STA 290+00 Req'd.
450 cu. yds. embank. for road
approach to S.H. #76 on r.t.

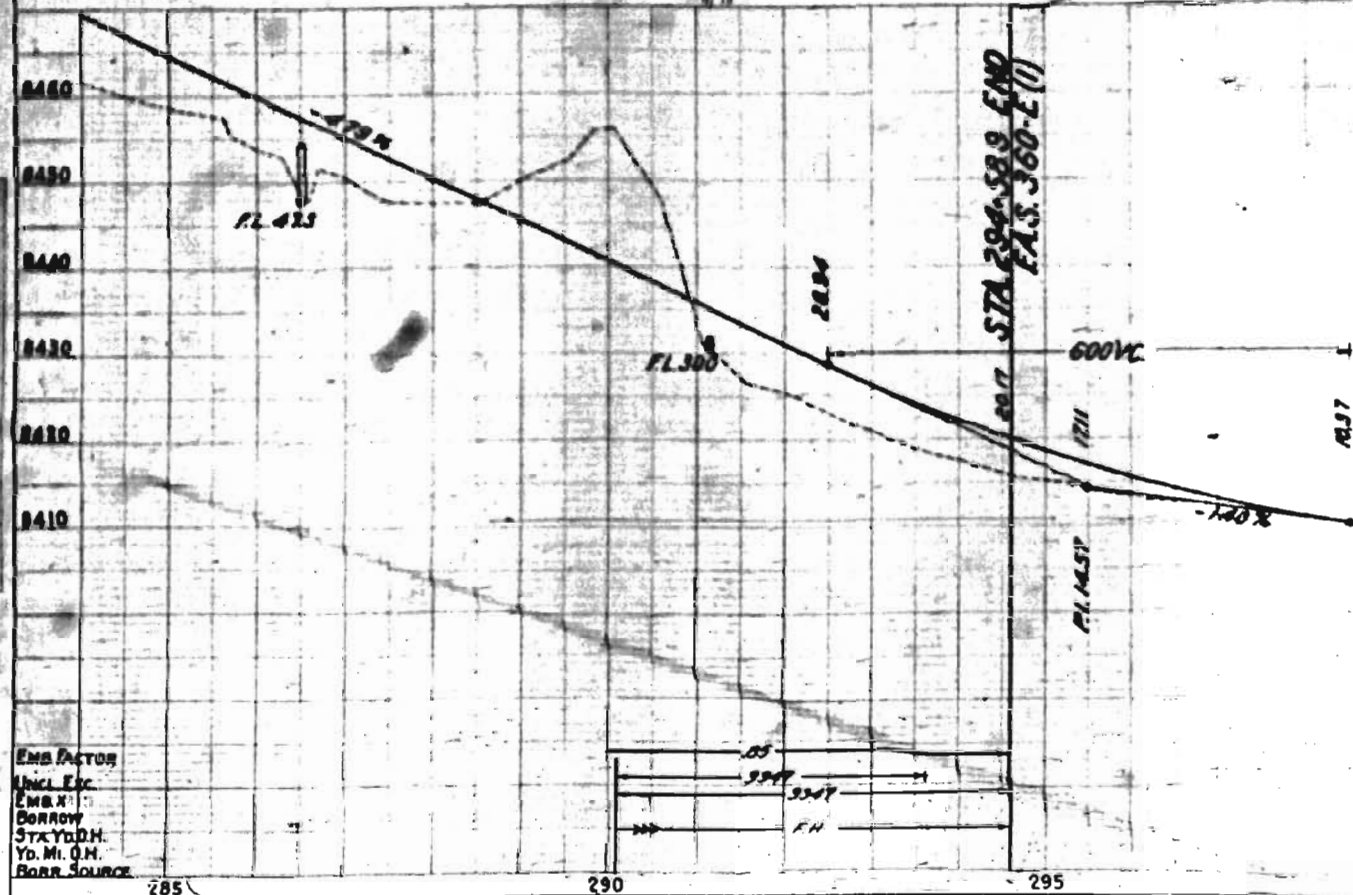
STA 288+40 Req'd.
300 cu. yds. embank. for
road approach r.t.

STA 288+30
Remove hog house.

STA 287+20
Remove & reset old house
50 ft.

STA 290+25 to 294+50 Req'd.
425 lin. ft. metal plate guard fence r.t.

STA 288+60 to 289+60 Req'd.
100 lin. ft. metal plate guard fence r.t.



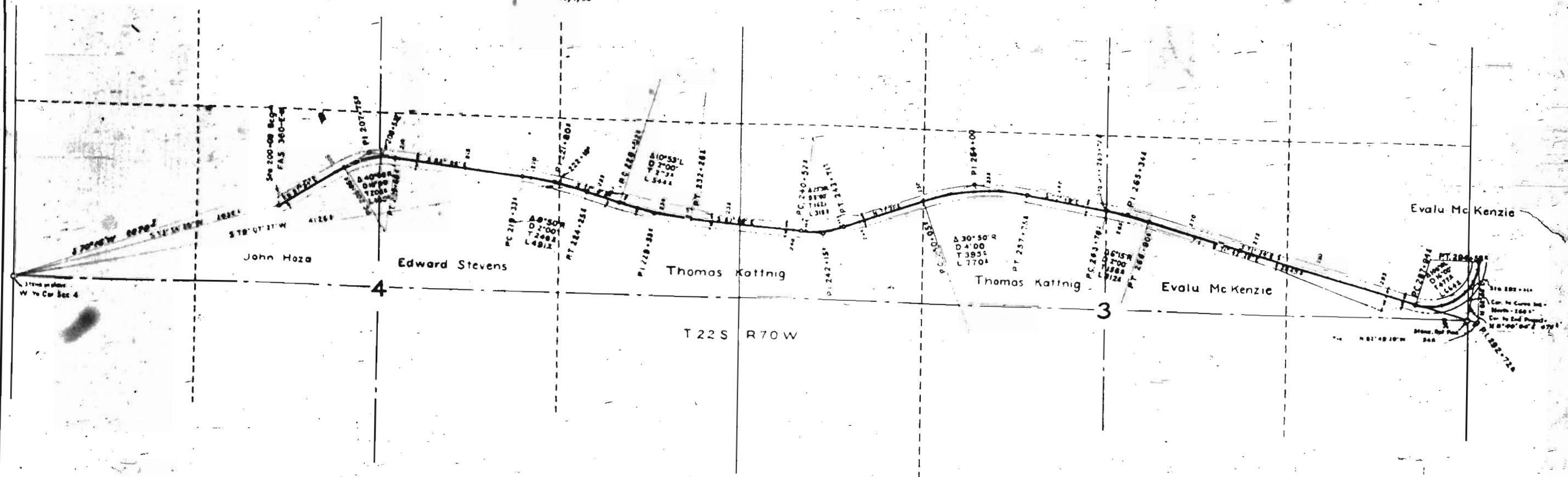
COLORADO STATE HIGHWAY DEPARTMENT

RIGHT OF WAY MAP

F.A.S. PROJECT 360-E (1)
STATE HIGHWAY NO. 96
CUSTER COUNTY

Length of Project - 9458.9 Feet
Scale: 1 in. = 400 Ft.

Drawn by HSS Jr.
10/7/38

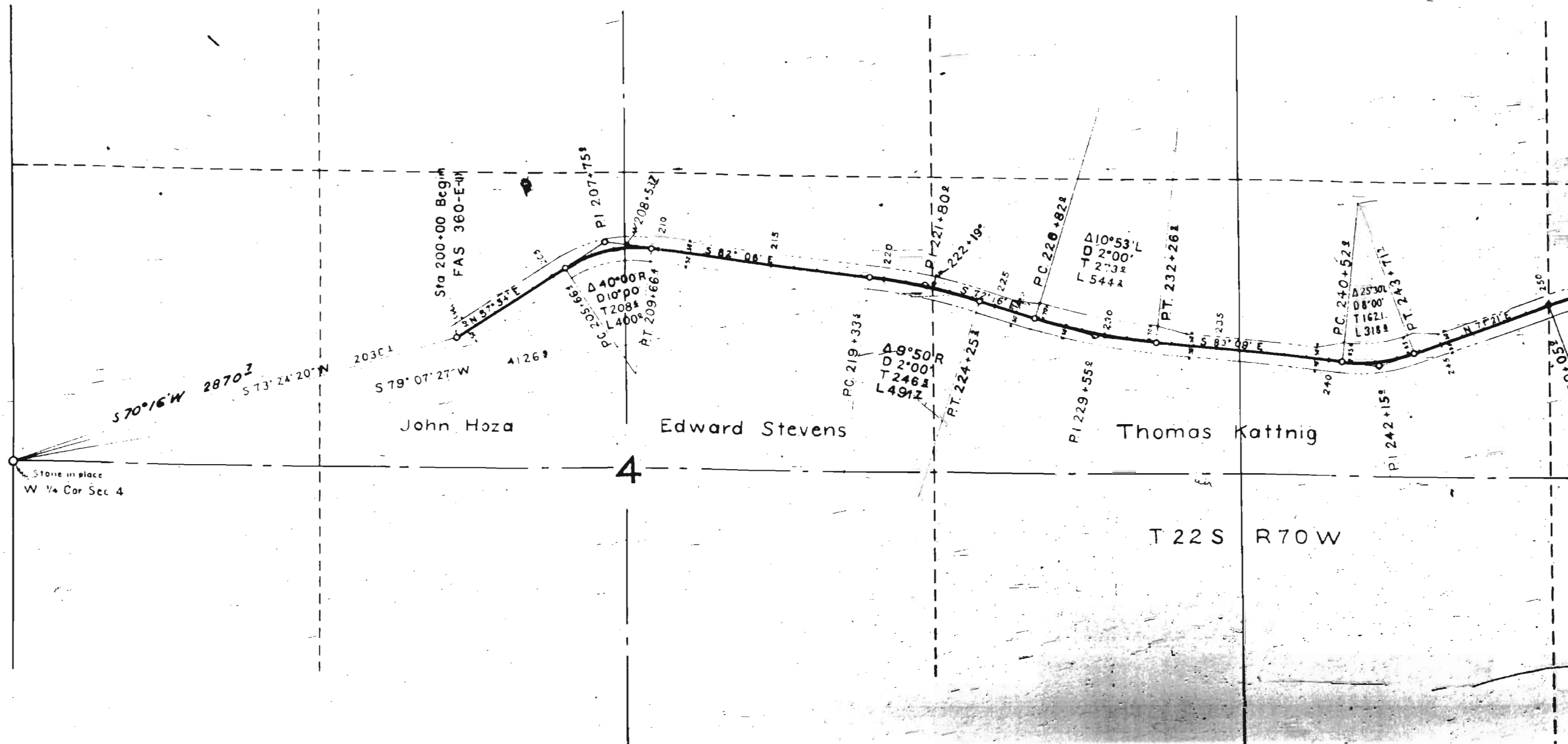


RIGHT OF WAY MAP

F.A.S. PROJECT 360-E(1)
STATE HIGHWAY NO. 96
CUSTER COUNTY

Length of Project = 9458.9 Feet
Scale: 1 in. = 400 Ft.

Drawn by HSS Jr.
10/7/38



STATE HIGHWAY NO. 90 CUSTER COUNTY

Length of Project = 9458.9 Feet
Scale: 1 in. = 400 Ft.

Drawn by H.S.S. Jr.
10/7/38

