

F.A.S. DIST. NO.	STATE	F.A.S. PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	360-F(1)	1	

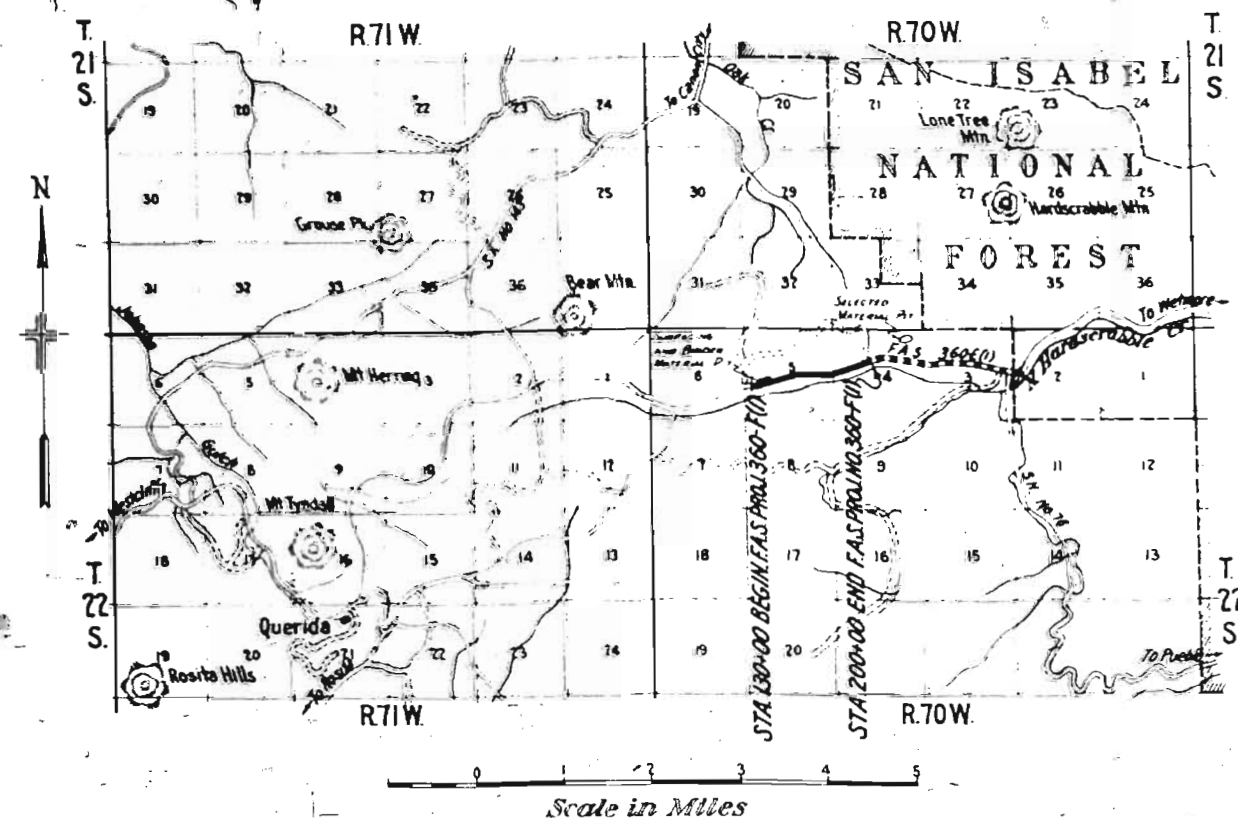
Rev 11-10-39 Sheet No 64 Added 388

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5	STANDARD WIRE FENCES (UNTR. WOODEN POSTS)
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COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED FEDERAL AID SECONDARY PROJECT NO. F.A.S. 360-F(1) STATE HIGHWAY NO. 96 CUSTER COUNTY

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 } 7009.4 FT. = 1.327 MI.
NET LENGTH OF PROJECT }

CONVENTIONAL SIGNS
CENTER LINE OF SURVEY
RIGHT OF WAY LINE
ONE QUARTER SECTION LINE
SECTION LINE
TOWNSHIP LINE
BARBED WIRE FENCE
POLE LINES



It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this Department:
James D. Bell, Division Engineer, located at Pueblo.
J. W. Robertson, Resident Engineer, located at Canon City.

RECOMMENDED FOR APPROVAL

[Signature]
Oct 28, 1937

APPROVED

[Signature]
Chas. D. Hill

RECOMMENDED FOR APPROVAL

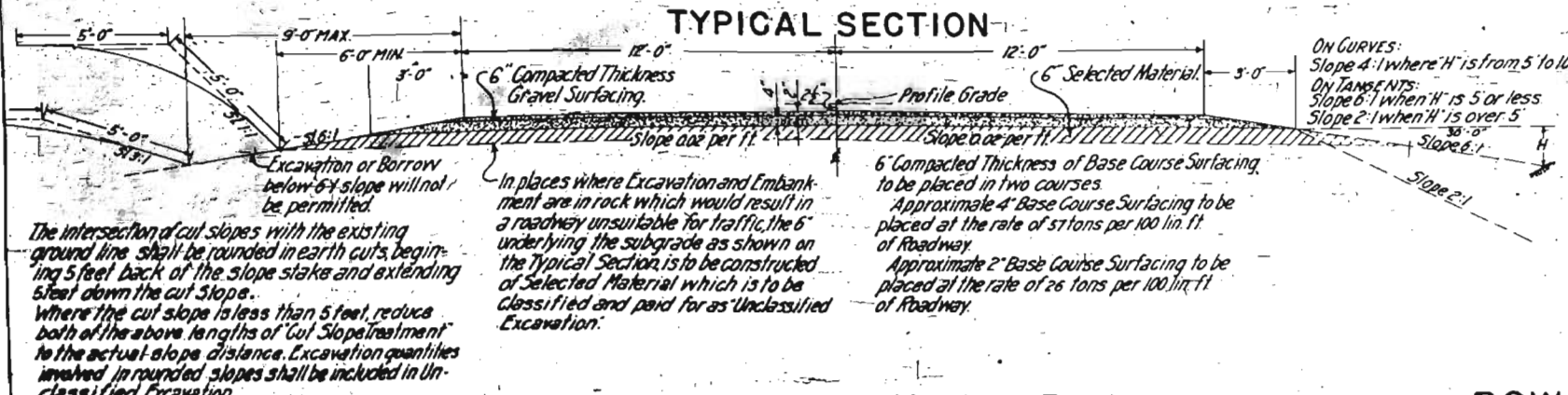
RECOMMENDED FOR APPROVAL

RECOMMENDED FOR APPROVAL

APPROVED

CHIEF, PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES



GENERAL NOTES

This Project is to be constructed in conformity with the Standard Specifications of the Colorado State Highway Dept. Adopted June 1, 1937.

All quantities on preliminary plans are to be considered approximate only.

All roadway excavation required to construct the Project is to be obtained as indicated on the plans. Quantities involved beyond the limits of ditch as shown on the Typical Section either noted on Profile as "Borrow" or an List of Structures as "Excavation and Embankment" are to be classified and paid for as "Unclassified Excavation".

These quantities are to be stated as part of the original excavation at locations indicated on the plans. Slope stakes beyond the limits of the Typical Section are subject to change by the Engineer to fit the Embankment requirements actually encountered on construction.

All curves are to be super-elevated and widened as provided by the Standard Super-elevation Sheet included with plans.

Except as noted on the plans, over haul will be paid for as measured along center line of the Project.

All side approach roads to the Project shall be gravel surfaced with a 4" thickness of Gravel or Crushed Rock Surfacing extending approximately 20 feet from edge of highway. Estimated quantity of surfacing material required in this operation is shown on the list of Structures.

All pipe cross culverts are to be provided with one hand wall on the inlet end unless otherwise noted. The ends of corrugated metal culvert pipes which are not provided with hand walls, shall be covered with approximately 12" thickness of material in such manner that a minimum of material shall be exposed in the completed work. This shall be accomplished by warping embankment slopes around and adjacent to the culvert.

All wire fences, including line posts, shall be placed approximately six (6) inches inside the boundary line of the highway right of way as shown on plans.

All places on the Project where the new work lies along the present traveled road the Contractor shall first close, supervise, prosecute construction in such a manner that traffic may readily pass over the road. Also, the contractor shall at his own expense, construct and maintain in safe condition all temporary approaches found crossings of intersecting roads.

Where the roadway embankments are constructed across boggy areas, the roadway fill is to be made of rock placed in layers as per the Special Provisions.

All Poles encroaching on construction are to be moved by owners.

FENCING REQUIREMENTS

Station to Station	Side	Remove Fence	Remove & Rebuild Fence	Build B.W. Line	Gate Posts
		Lin. Ft.	Lin. Ft.	Lin. Ft.	Each
130+00	R&L			60	
130+00	R		14.35		50
130+00	L		25.00		75
144+42	R				
144+42	R	12.40		12.00	
155+00	L	1.60		1.50	
156+00	R&L				2
156+00	R	1.55		205	
156+00	L	80	31.30		125
157+00	L		29.20		105
189+00	R&L				2
189+00	L	185		185	
189+00	R	50	12.10		55
189+00	L	35	102.5		40
TOTALS		1885	122.20	1800	3450

R.O.W. MARKERS

Station	Side	No.
130+00	R&L	2
147+00	L	1
148+00	L	1
151+03	R&L	2
179+35	R&L	2
184+75	L	1
185+45	R	1
TOTAL		10

SELECTED MATERIAL

Selected Material shall be placed and spread on the subgrade approximately 6 inches thick at the rate of 70 cu yds per 100 ft of roadway. This selected material shall be classified and paid for as "Unclassified Excavation". The estimated quantities involved in the placing of Selected Material are shown below.

Place Req'd	Cu Yds Req'd	Source	Overhaul Sta Yds	Xft M
Station to Station				
132+50	70		770	105
138+27	121	Pit 1600' Lt.	1340	165
147+25	59	Sta 210+00	430	50
152+00	280		3080	300
161+00	700		7700	585
173+00	52.5		5780	335
187+50	35		390	15
197+00	175		1330	40
TOTALS	1945		21420	1595

TIMBER GUARD POSTS

Station to Station	Side	No.	Spacing
130+00	L	1	Struct
136+50	L	1	"
148+00	L	1	"
158+50	L	1	"
167+35	L	1	"
170+25	R	3	@ 50 ft
173+50	L	1	Struct
180+00	L	1	"
187+85	L	1	"
190+75	L	1	"
195+00	L	1	"
197+50	R&L	2	"
TOTAL		15	

SURFACING PLAN

Place Req'd	Tons Req'd	Ton Miles	Pit
Station to Station			
130+00	51.50	F.H.	On R.O.W. Lt. Sta
191+34.5	7.50	100	135+00 - 143+00
Approaches	2.00	F.H.	
TOTALS	61.00	100	

REMOVING & RESETTling MAIL BOXES

Station	Side	No.
156+	Lt.	1
188+	Lt.	1
TOTAL		2

SUMMARY OF APPROXIMATE QUANTITIES

ITEM	DESCRIPTION	UNIT	ROADWAY	PROJECT TOTAL
10a	Clearing and Grubbing Entire Project	Lump Sum		
11b	Removal of 16 Structures	Lump Sum		
11c	Removal of Timber Barn, Pole Corral and Log Barn Lt. Sta. 156+ - 158+	Lump Sum		
11d	Removal of Log Building and Pole Corral Lt. Sta. 187+ - 189+	Lump Sum		
11e	Removing and Resetting Mail Boxes	Each	2	2
12a	Removing Fence	Lin. Ft.	1900	1900
12b	Removing and Rebuilding Fence	Lin. Ft.	12300	12300
13c	Unclassified Excavation	Cu. Yd.	28,000	28,000
14a	Dry Rock Excavation (Structural)	Cu. Yd.	200	200
14b	Dry Common Excavation (Structural)	Cu. Yd.	200	200
14c	Wet Rock Excavation (Structural)	Cu. Yd.	50	50
14d	Wet Common Excavation (Structural)	Cu. Yd.	50	50
18a	Station Yard Overhaul	Sta Yd.	43,000	43,000
18b	Yard Mile Overhaul	Yd. Mi.	1,600	1,600
26a	Gravel or Crushed Rock Surfacing	Ton	4700	4700
26c	Overhaul of Surfacing	Ton. Mi.	100	100
46a	Class "A" Concrete	Cu. Yd.	57	57
46b	Class "B" Concrete	Cu. Yd.	38	38
47	Reinforcing Steel	Lb.	4580	4580
53b	48" Corrugated Metal Culvert Pipe	Lin. Ft.	50	50
53c	36" Corrugated Metal Culvert Pipe	Lin. Ft.	430	430
53d	30" Corrugated Metal Culvert Pipe	Lin. Ft.	120	120
53e	48" Corrugated Metal Culvert Pipe	Lin. Ft.	100	100
74a	Timber Guard Posts	Each	15	15
76a	Barbed Wire Fence (Untreated Wooden Posts)	Lin. Ft.	1000	1000
76c	Barbed Wire Gates	Each	2	2
78a	Untreated Wooden Line Posts	Each	450	450
81a	Project Markers	Each	1	1
81b	Right of Way Markers	Each	10	10
	Force Account Items			
	Oboliterating Old Road (State Forces)	Lump Sum		
	Moving Telephone Poles off R.O.W. (Work by Mountain States Telephone & Telegraph Co.) Sta. 130+00 to 148+	Lump Sum		
	Moving Telephone Poles off R.O.W. (Work by Hardscrabble Telephone Co.) Sta. 155+00 to 176+; Sta. 188+ to 200+00	Lump Sum		

* Item does not participate in Federal Aid.

FED. ROAD DIST. NO.	STATE	F.A.S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	360-F(1)	10	

STA. 130+00 TO 148 -- Reg'd.
Poles on R.O.W. to be moved
by Mt. States Tel & Tel Co.
Forces. (FORCE ACCOUNT
WITH FED. AID)

STA. 136+50 TO 141+50 Reg'd.
75 cu. yds. unclass. excav. for
intercepting ditch left.

STA. 130+00 TO 136+50 Reg'd.
100 cu. yds. unclass. excav. for
intercepting ditch left.

STA. 136+50 Reg'd.
24'x46' C.M.P. cross culv. &
5 cu. yds. unclass. excav. for
inlet ditch.

STA. 130+00+FA 5 360-F(1)
= STA. 363+02-QUERIDA
SECTION OF NORTH
HARDSCRABBLE ROAD-
U.S. B.P.R.

A. 15°19' R.
D. 1°15'
T. 616.4'
L. 1225.3'
R. 4384.0'

STA. 130+00 Reg'd.
Project Marker & 100 cu. yds.
embank. for approach to Proj.

NOTE
All poles encroaching on construction are to be
moved by owners.
Gates, Fencing Requirements and R.O.W. Markers
are tabulated on Sheet No. 2.
Alignment and grade shown on these plans are
subject to change during construction, after
approval by the Denver Office of the Department

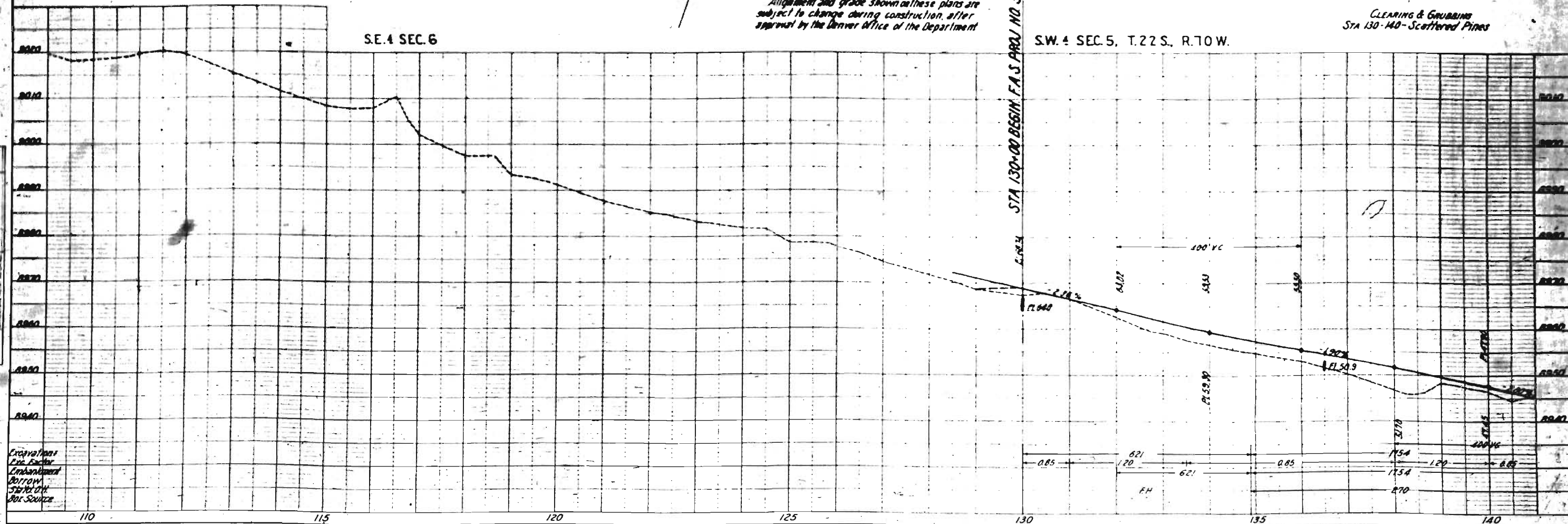
STA. 130+00 Reg'd.
36'x64' C.M.P. cross culv. &
5 cu. yds. unclass. excav.
for inlet ditch

STA. 134+43 Reg'd.
Remove 15'x22' C.M.P.

CLEARING & GRUBBING
STA. 130+00-Scattered Pines

SE. 4 SEC. 6

SW. 4 SEC. 5, T. 22 S., R. 70 W.



PLAN	DATE	BY	CHKD.	APP'D.

PROFILE	DATE	BY	CHKD.	APP'D.

Gravitation
Exc. Factor
Embankment
Borrow
Stationing
Box Source

N.W. 4 SEC. 5

N.E. 4 SEC. 5, T. 22 S. R. 70 W.

FED. ROAD DIST. NO.	STATE	F. A. S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	360-F (1)	11	

STA. 141+50 Reg'd.
48'x52' C.M.P. cross culv. &
200 cu. yds. unclass. excav.
for inlet & outlet ditches.

STA. 141+50 to 142+00 Reg'd.
10 cu. yds. unclass. excav. for
intercepting ditch left.

STA. 147+00 to 148+00 Reg'd.
15 cu. yds. unclass. excav. for
intercepting ditch left.

STA. 148+00 to 150+50 Reg'd.
160 cu. yds. unclass. excav. for
intercepting ditch left.

STA. 155+60 Reg'd.
Remove 15'x22' C.M.P.

STA. 156+ to 158+ Reg'd. removal of
timber barn, pole corrals & log
barn lt.

STA. 158+50 to 161+50 Reg'd.
45 cu. yds. unclass. excav. for
intercepting ditch left.

STA. 156+56 Reg'd.
50 cu. yds. unclass. excav. & 18'x28'
C.M.P. side drain for road appr'ch. left.

STA. 161+50 to 167+35 Reg'd.
90 cu. yds. unclass. excav. for
intercepting ditch left.

STA. 167+35 to 173+50 Reg'd.
95 cu. yds. unclass. excav. for
intercepting ditch left.

A. 7°50' L.
D. 0°45' T.
T. 523.1'
L. 1044.4'
R. 7640.0'

P.T. 162+84.5 B.K.
162+89.0 A.H.

A. 8°54' R.
D. 2' T.
T. 228.0'
L. 448.0'
R. 2065.0'

STA. 167+35 Reg'd.
24'x32' C.M.P. cross culv. &
10 cu. yds. unclass. excav.
for inlet & outlet ditches.
Also, remove 18'x20' C.M.P. R.

STA. 140+88 Reg'd.
Remove 15'x20' C.M.P. right.

STA. 141+82 Reg'd.
250 cu. yds. embank. for
road approach right.

STA. 144+50 Reg'd.
Remove 15'x22' C.M.P.

STA. 147+80 Reg'd.
Remove 15'x24' C.M.P. right.

CLEARING & GRUBBING
Sta. 140-170 - Scattered Pines

STA. 148+00 Reg'd.
36'x64' C.M.P. cross culv. &
5 cu. yds. unclass. excav. for
inlet ditch.

STA. 166+56 Reg'd.
25 cu. yds. embank. for
road approach right.
Material from left
approach.

STA. 158+87 Reg'd.
Remove 15'x22' C.M.P. right.

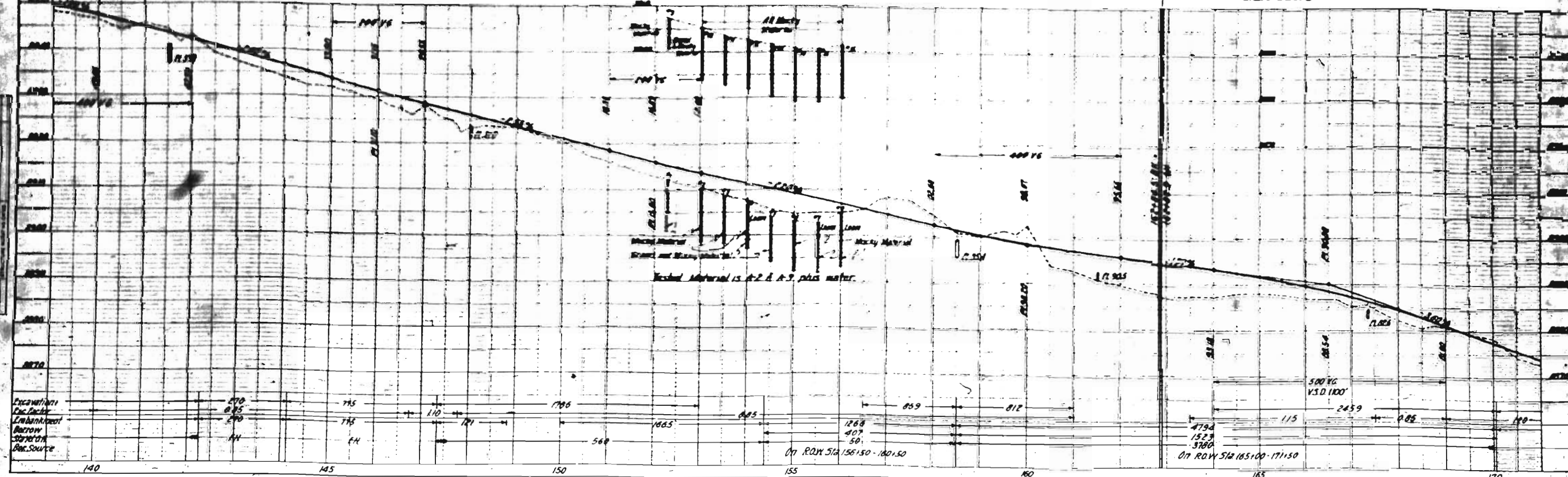
STA. 164+79 Reg'd.
Remove 15'x20' C.M.P.

STA. 159+50 Reg'd.
48'x54' C.M.P. cross culv. &
75 cu. yds. unclass. excav.
for inlet & outlet ditches.

STA. 155+00 TO 176+
Reg'd. Poles on R.O.W. to
be moved by Handcarriage
Telephone Co. Forces
(FOR ACCOUNT NO
FED. A-10)

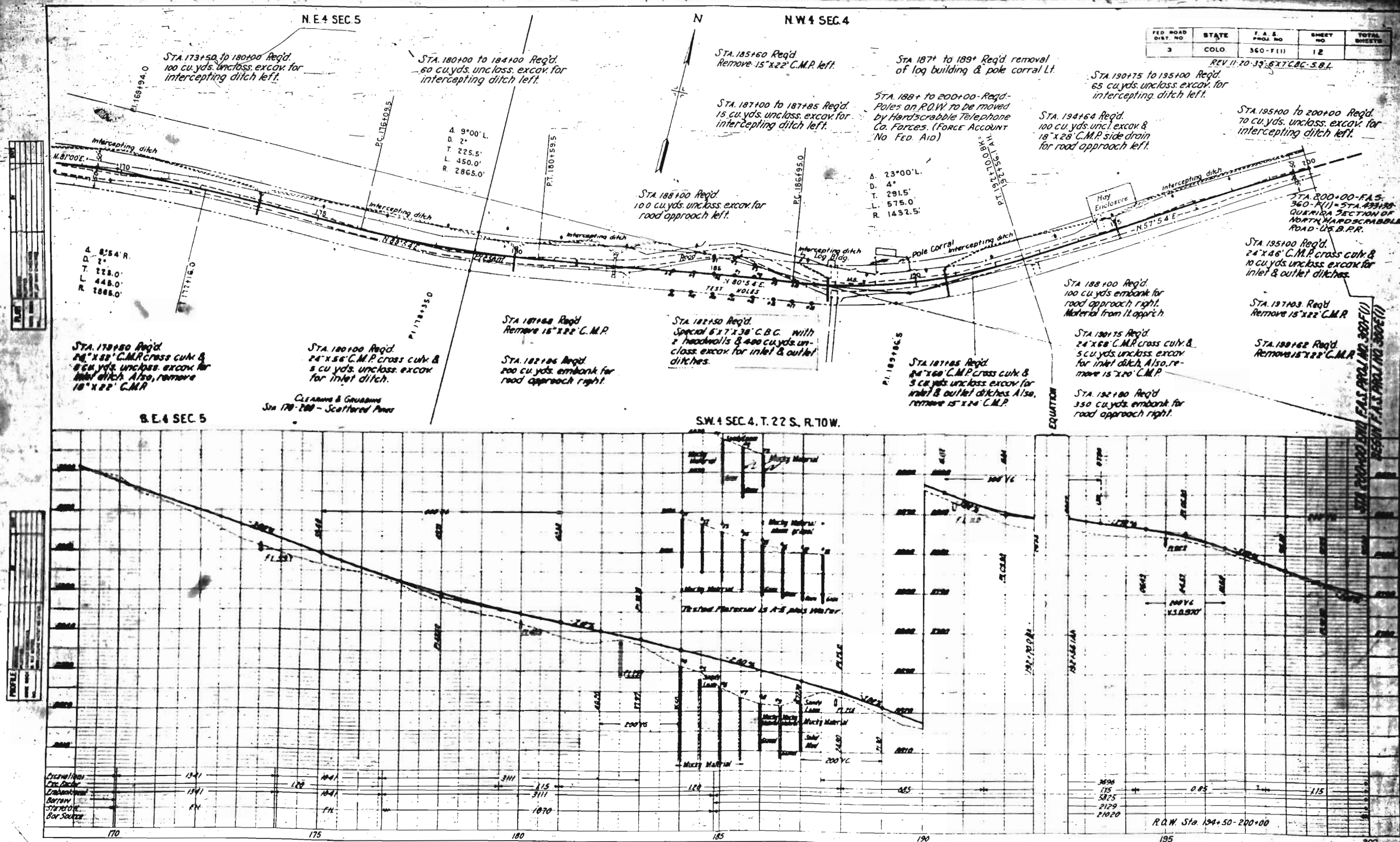
S.W. 4 SEC. 5

S.E. 4 SEC. 5



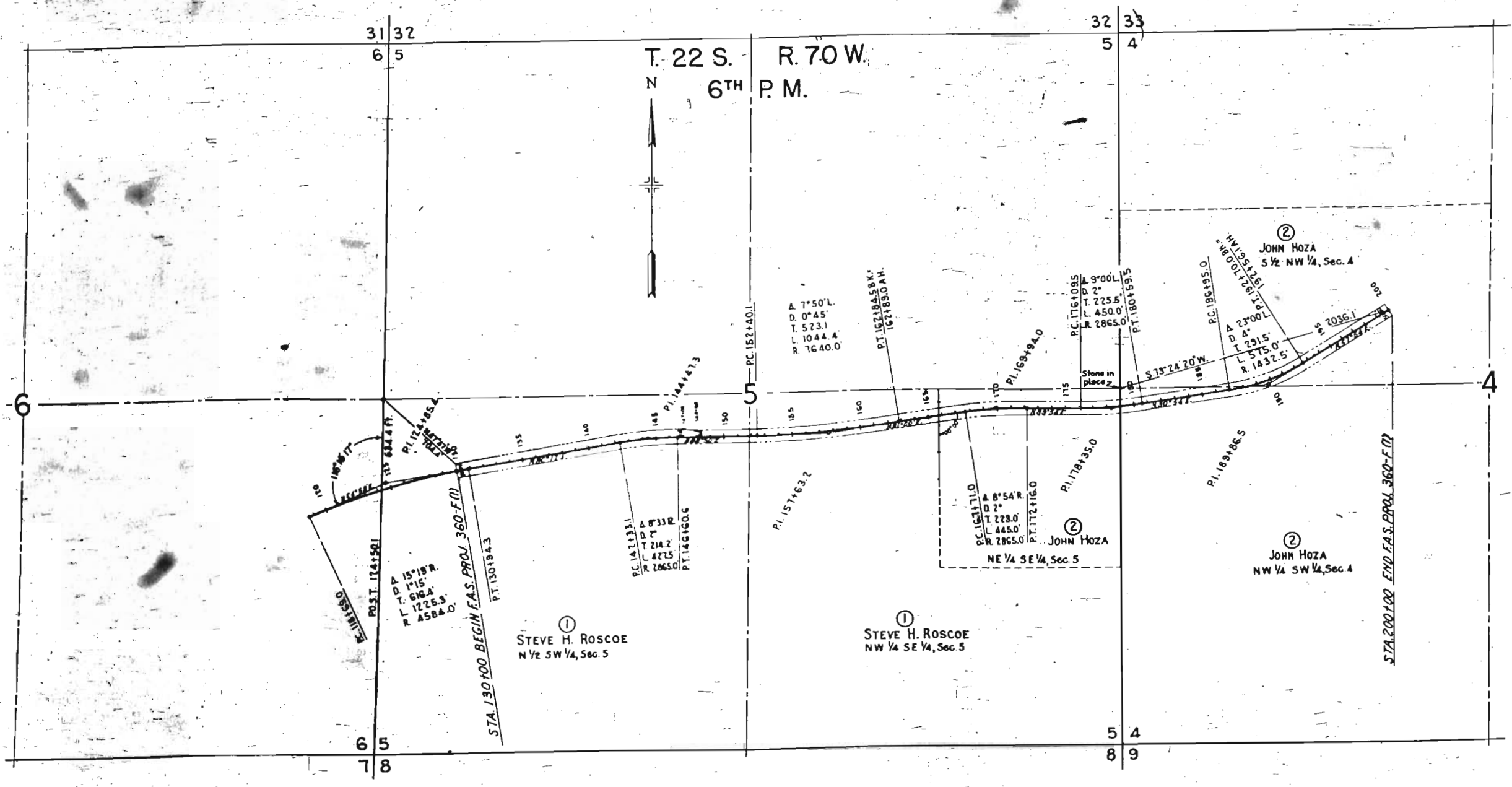
FED ROAD DIST. NO	STATE	F. A. S. PROJ. NO	SHEET NO.	TOTAL SHEETS
3	COLO.	360-F(1)	12	

REV 11-20-39: 6X7 CBC-S.B.L

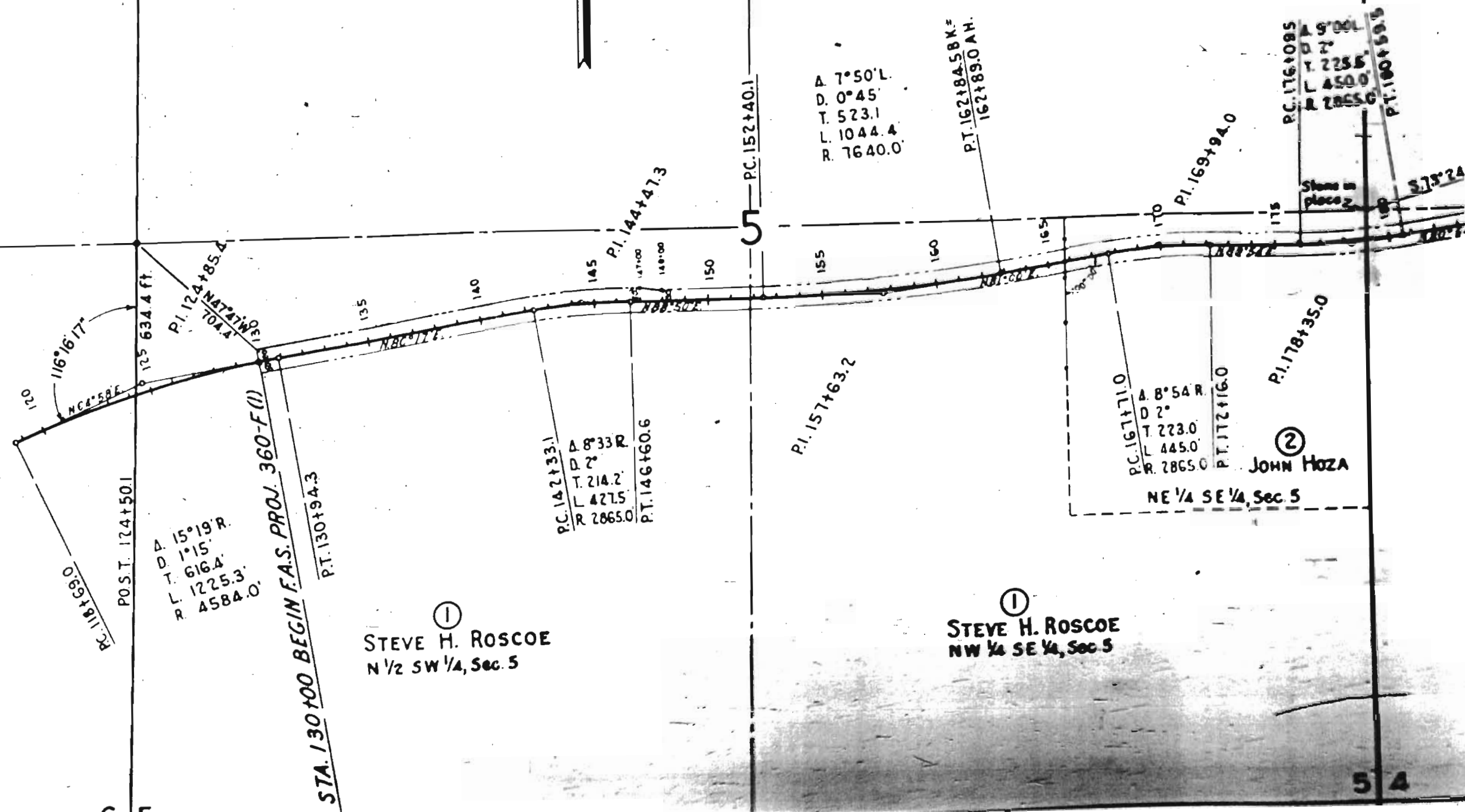


PER SHEET	STATE	F.A.S. PROJECT NO.	OWNER	DATE
3	COLO.	360-F(1)	RAM I	

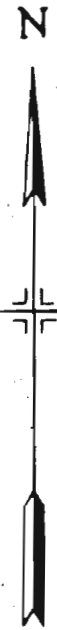
COLORADO STATE HIGHWAY DEPARTMENT
RIGHT-OF-WAY MAP
FOR
F.A.S. PROJECT NO. 360-F(1)
CUSTER COUNTY
SCALE 1" = 400'



32	33
5	4



T. 22 S. R. 70 W.
6TH P. M.



32 33

5 4

4

5 4

A. 7°50' L.
D. 0°45'
T. 523.1
L. 1044.4
R. 7640.0

PT. 162+84.5 BK.
162+89.0 AH.

PC. 176+09.5
A. 9°00' L.
D. 2°
T. 225.5
L. 450.0
R. 2865.0

Stone in place

PC. 186+95.0

PT. 195+26.1
HW 195+10.8

② JOHN HOZA
S ½ NW ¼, Sec. 4

A. 23°00' L.
D. 4°
T. 291.5
L. 575.0
R. 1432.5

PT. 2036.1

PC. 142+33.1
A. 8°33' R.
D. 2°
T. 214.2
L. 427.5
R. 2865.0

PT. 146+60.6

P.I. 157+63.2

PC. 167+71.0
A. 8°54' R.
D. 2°
T. 223.0
L. 445.0
R. 2865.0

PT. 172+16.0

P.I. 178+35.0

② JOHN HOZA

NE ¼ SE ¼, Sec. 5

P.I. 189+86.5

② JOHN HOZA
NW ¼ SW ¼, Sec. 4

STA 200+00 END F.A.S. PROJ. 360-F(1)

① STEVE H. ROSCOE
½ SW ¼, Sec. 5

① STEVE H. ROSCOE
NW ¼ SE ¼, Sec. 5