FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	134-E	1	

REV. 10-6-31 — K.A.K.

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. 134-E
STATE HIGHWAY NO. 4
KIT CARSON COUNTY

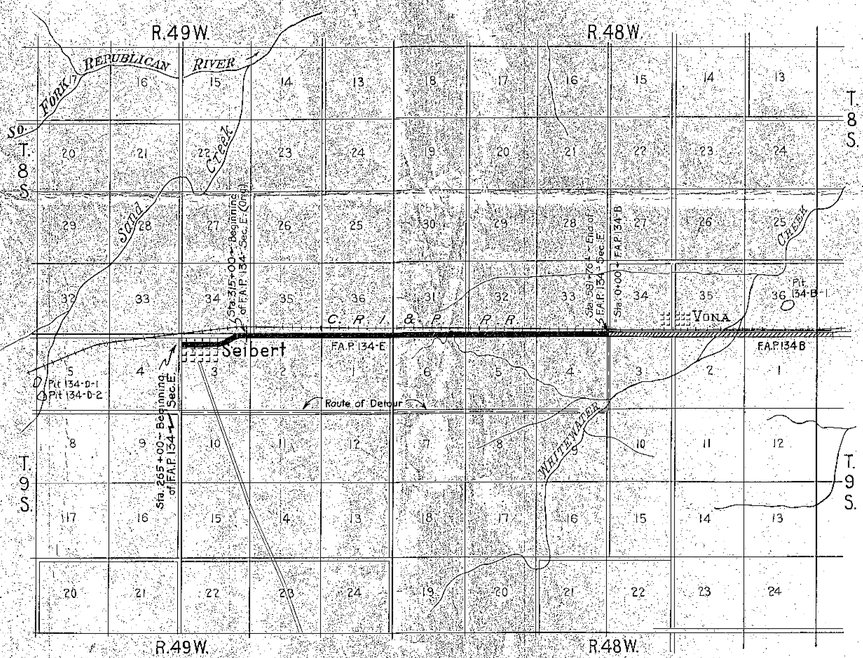
INDEX OF SHEETS

SHEET NO 1 TITLE PAGE
2 TYPICAL SECTION & SUMMARY
3 STANDARD DOUBLE CONC. BOX CULVS. M 110 A
4 HEADWALLS M 102 D
5 FENCE & MARKER POSTS M 24.E (Rev. 7-27-31)
6 PICKET SNOW FENCE M 25 A
7 CHAIN LINK WIRE MESH FENCE
8-13 PLAN & PROFILE.
14-37 CROSS SECTIONS

SCALES

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 - 31647.6 FT. - 5.993 MI.
NET LENGTH OF PROJECT - 31647.6 FT. - 5.993 MI.



Scale 1-inch = 1-Mile

CONVENTIONAL SIGNS

SURVEY CENTER LINE
TOWNSHIP LINE
SECTION LINE
ONE QUARTER SEC. LINE
RAILROADS
BARB WIRE FENCE
SNOW FENCE
WIRE CABLE GUARD FENCE
POLE LINES
RIGHT OF WAY LINE

RECOMMENDED FOR APPROVAL 7/1/31
J. E. Williamson
ASSISTANT ENGINEER

APPROVED
Chas. D. Vail
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL
[redacted]
DIST. ENG. BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL
[redacted]
CHIEF ENG. BUREAU PUBLIC ROADS

APPROVED
[redacted]
DIRECTOR BUREAU PUBLIC ROADS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	COLO.	134-E	8	

Parallel as Const. Sta. P.I. 9-32.

PLAN — SURVEYED — DRAWN — NOTE BOOK — No. 3457 — ADJOINMENT CHECKED — RT. OF WAY CHECKED — DATE

SEIBERT

N.W.¼ Sec. 3 T. 9 S., R. 49 W.

Chick. No. Barn Sta.

Well Tank

H

Barn

GARAGE

Blacksmith Shop

Office

Shop

N

RECENTLY SURVEYED

AVE.

N. 87°44' E.

NOTE: Sta 265+00 to Sta 315+00 Comprises extension of original project.

STA. 265+00 - BEGINNING OF F.A.P. 134-E

To Limon CHICAGO

KANSAS

NEBRASKA

COLORADO

OHIO

IOWA

SECOND STREET

267+00 - Read Pro Marker
265+00 to 260+98
148 pickett snow fence

208+40 Reqd 18'x40' Side Drain Pipe and approach rails each side

267+20 - Reqd Prospect Ditch 20 C.M.P. Culvert for Channel

272+35 Read. extra wid. Embank for Approaches 15 Side Dr. 15'x40'

274+40 Alley Appr. Emb. 17 Cu Yd. 275+50 Appr. Emb 11 Cu Yd.

276+26 - Lgal Pole to be Moved by Town of Seibert. 278+06 Reqd Side Dr. 24' Related pipe

278+50 Appr. Emb 3 Cu Yds 279+30 Appr. Emb. 4 Cu Yds 280+06 Read 15'x40' Side Dr. Lt.

285+50 Read. Wide Conc. Culvert, 5 Cu Yds. Exc. for Channel 283+50 Read 15'x40' Side Dr. Lt.

Reqd. 1,520 of Chain Link Wire Mesh Fence and 1 Double Driveway Gate and 1 Single Gate at school

4720 4710 4700

Quantities as Approved
For final quantities see X section Sheets

UNCL. EXCAV
EMBANKMENT
BORROW
ST. YD. O.H.
YD. MI. O.H.
BOR. AVAIL

474
474
2126
2126
27569
400

From Widened Cuts, Sta. 290 to 300

Preliminary Data

652 — 352 — 200 — 1465 — 1440 — 9740 — 10 — 32

260 265 270 275 280 285

IOWA AVE. TEXAS AVE. Present Road RANGE LINE 2

Block 2 Lots 1 to 15 Inc. Lots 16 to 24 Inc. Lots 1 to 15 Inc. Lots 16 to 24 Inc.

Δ 15°00' L 0 1° T 7544 L 15009 R 5730

Town Limit 288+00 Appr. 3 Emb. 12 C.Y. Vol. 291+00 Appr. 11 Emb. 34 C.Y. Vol.

R.O.W. Markers

P.I. 284+116

286+00 to 288+52 252' Picket Snow Fence

296+00 Reqd 18'x42' C.M.P. Culv. I.H.W.

P.C. 294+65.2

N. 72° 44' E.

N. 87° 44' E.

P.I. 286+65.2

N.E.¼ Sec. 3, T. 9 S., R. 49 W.

Δ 14°51' R 0 1° T 11467 L 14859 R 57300

P.T. 315+00.0
314+29.4
70.6 70.6

P.C. 314+29.4 Back
314+59.2 Ahead

STA. 315+00 - BEGINNING OF F.A.P. 134-E (ORIGINAL)

EQUATION

Reqd. 520' Chain Link Wire Mesh Fence at School
Single Gate 14'-1 - Double Gate 20'-1

School Ground

4720 4710 4700

UNCL. EXCAV
EMBANK. YDS.
BORROW
ST. YD. O.H.
YD. MI. O.H.
BOR. AVAIL

243 901 3163 2605 1940 4024 1452 6060

Preliminary Data

285 290 295 300 305 310 315

PLATE 2 — PLAN-PROFILE U. P. — A. R. E. STANDARD

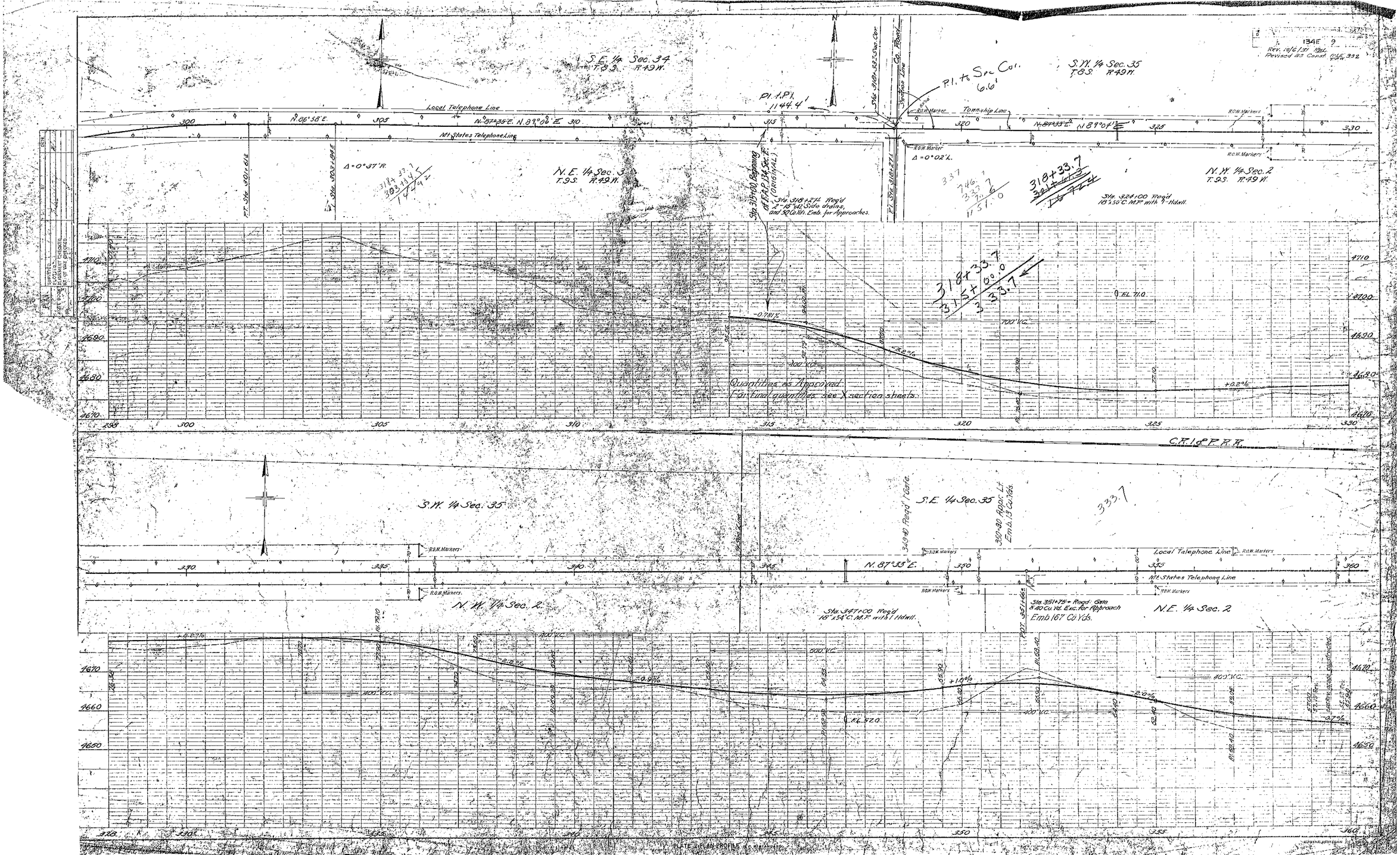
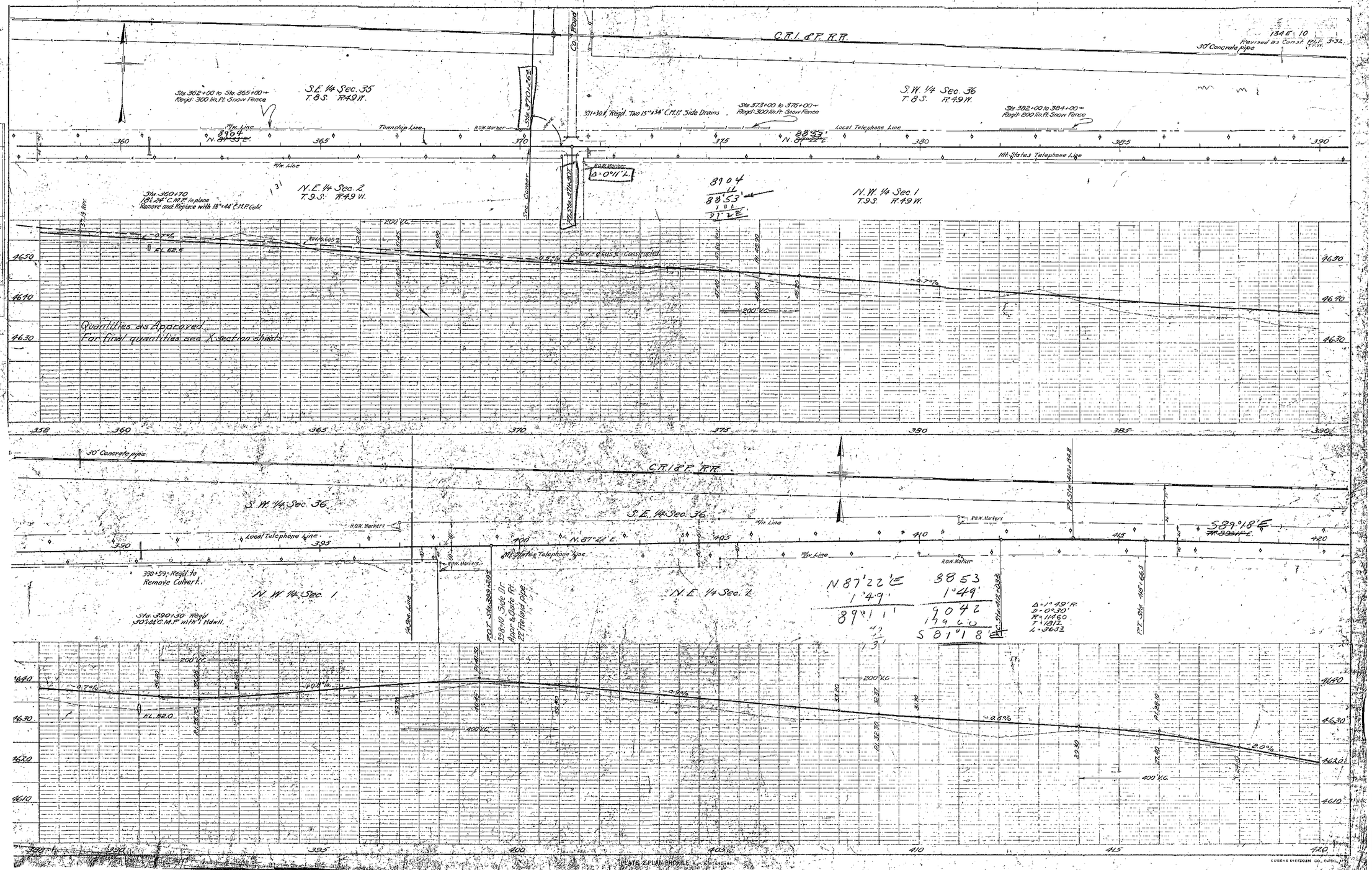


PLATE 3 PLAN PROFILE


C.R.I.&P.R.R.
30" Concrete pipe
Revised as Const. P.F.W. 3-32
Sta 362+00 to Sta 365+00 ±
Reqd: 300 lin.Ft. Snow Fence
S.E. 1/4 Sec. 35
T.8S. R.49W.
Sta 370+26.8
Co. Road
311+30 ft. Reqd. Two 15" x 34' C.M.P. Side Drains
Sta 373+00 to 378+00 ±
Reqd: 300 lin.ft. Snow Fence
S.W. 1/4 Sec. 36
T.8S. R.49W.
Sta 382+00 to 384+00 ±
Reqd: 200 lin.ft. Snow Fence
Township Line
R.O.W. Marker
Local Telephone Line
Mt. States Telephone Line
N. 89° 33' E.
8904
N. 89° 22' E.
8853
Δ=0°11' L.
Sta 350+70
185.34' C.M.P. in place
Remove and Replace with 18"x44' C.M.P. Culv.
N.E. 1/4 Sec. 2
T.9S. R.49W.
Sec. Corner
Sta 376+37.92
8904
8853
51
N.W. 1/4 Sec. 1
T.9S. R.49W.
Quantities as Approved
For final quantities see X-section sheets
30" Concrete pipe
S.W. 1/4 Sec. 36
S.E. 1/4 Sec. 36
Local Telephone Line
Mt. States Telephone Line
N. 87° 22' E.
S 89° 18' E
330+59: Reqd to Remove Culvert.
N.W. 1/4 Sec. 1
N.E. 1/4 Sec. 2
Sta 390+30 Reqd 30"x44' C.M.P. with 1 Hdwll.
Sta 398+40 Side Rt. Floor & Cone Rt. 12" Reloid pipe
N87°22'E
1°49'
89°11'
8853
1°49'
9042
S 81°18' E
Δ=1°49' R.
D=0°30'
R=1450
T=1311.
L=3632
PLAN
SURVEYED
PLOTTED
DRAWN
CHECKED
NOTE EPOCH DATUM USED
FT. ST. RWK CHECKED
NO.
DATE
PLATE 2 PLAN-PROFILE
EUGENE KIELGAARD CO., CASPER

S.E. 1/4 Sec. 36
T. 8S. - R. 49 W.

S.W. 1/4 Sec. 31
T. 8S. - R. 48 S.

134E 11
Revised as Const. Plat 3-32.

C.R.I. & P. R.R.

Range Line

Local Telephone Line

Mt. States Telephone Line

R.O.W. Marker

R.R. Fence

Township Line T. 8 S. T. 9 S.

N. 89° 11' E. 589' 18" E

Sta. 429+35.4 Co. Road

420' to Sta. 430+20

N.E. 1/4 Sec. 1
T. 9 S. - R. 49 W.

N.W. 1/4 Sec. 6
T. 9 S. R. 49 W.

Sta. 439+40 Reqd.
183.58' C.M.P. with 1 Hdwll.

420' to Sta. 443+23

Quantities as Approved
For final quantities see X section sheets.

400 Vc.

200 Vc.

400 Vc.

-5.0%

-2.0%

-0.2%

-2.9%

F.L. 890

1620
1610
1600
1590

Township Line T. 8 S. T. 9 S.

Dry Creek

36" Cast Iron pipe

N. 89° 11' E. 589' 18" E

Channel Change
452+60 to 454+30
Reqd. 400 Cu. Yds. Exc. for Channel Change, to be used in Emb. Sta. 458+30 to 458+75, involving 840 Cu. Yds. Overhaul

Reqd from Channel Change Sta. 459+80 to 466+70, 7500 Cu. Yds. Exc. to be used in Embankment Sta. 458+75 to 468+40

Reqd Channel Change

N.E. 1/4 Sec. 6
T. 9 S. R. 48 W.

Quantities in Channel Changes Sta. 452+60 to 454+30 and 459+80 to 466+70 appear in pay quantities as 7900 Cu. Yds. Exc. in Sta. 458+30 to 468+40.

Sta. 466+33
305.28' C.M.P. in place, extend to 30"×56" C.M.P. with 1 Hdwl.

Sta. 476+21 Section Line

416+21, Reqd. 15"×32' C.M.P. Side Drain and 22 Cu. Yds. Emb. for Approach, on left.

400 Vc.

-4.0%

-0.4%

FL 920

4590
4580
4570
4560

PLAT 2 PLAN-PROFILE

EUGENE DIETZGEN CO. CHGO.

13AE 12

Revised as Const. Rec. 4-32.

PLAN
SURVEYED
PLOTTED
NOTE BOOK
AS CONSTRUCTED
CHECKED
DATE

C.R.I.&P. R.R.

2-8'x8' C.B.C.

T. 8 S. R. 48 W.
T. 9 S. R. 48 W.

R.O.W. MARKER

R.R. Mile Fence

R.O.W. Marker

N. 89° 18' E. 495

Sta. 485+15 ~ Regd: Replace 8' Span. Conc. Abut ments, Timber Deck Bridge with Dbl. 10'x 6'x 50 C.B.C. Type 10-8.

No. Sta 497+27 Regd: 18"x30' Side Drain, Gate & 50 Cu. Yd. Emb. for Approach

T. 9 S. R. 48 W.

Sta. 498+00 ~ Regd: 18"x 30' Side Drain, Gate & 42 Cu. Yd. Emb. for Approach

Mt. States Telephone Line

Sta. 508+00 ~ Regd: 18"x 62' Cross Culv. with 1 H.W.

N.E. 1/4 Sec. 5

Q Section Line

Quantities as Approved
For final quantities see X section sheets

+1.0%

400' V.C.

-0.5%

200' V.C.

FL. 494

FL. 503

4590
4580
4570
4560
4550

480 485 490 495 500 505 510

C.R.I.&P. R.R.

Township Line

R.R. Mile Fence

N. 89° 18' E. 525

R.O.W. Marker

Co. Road

Sec. Line Sta. 524+05

Sta. 529+18 ~ Regd: 18"x 36' Side Drain & 37 Cu. Yd. of Emb. for Approach

T. 8 S. R. 48 W.
T. 9 S. R. 48 W.

Mt. States Telephone Line

S 89° 18' E
1802.6
N 0° 26' W

N.W. 1/4 Sec. 4
T. 9 S. R. 48 W.

N.E. 1/4 Sec. 5
T. 9 S. R. 48 W.

+1.0%

400' V.C.

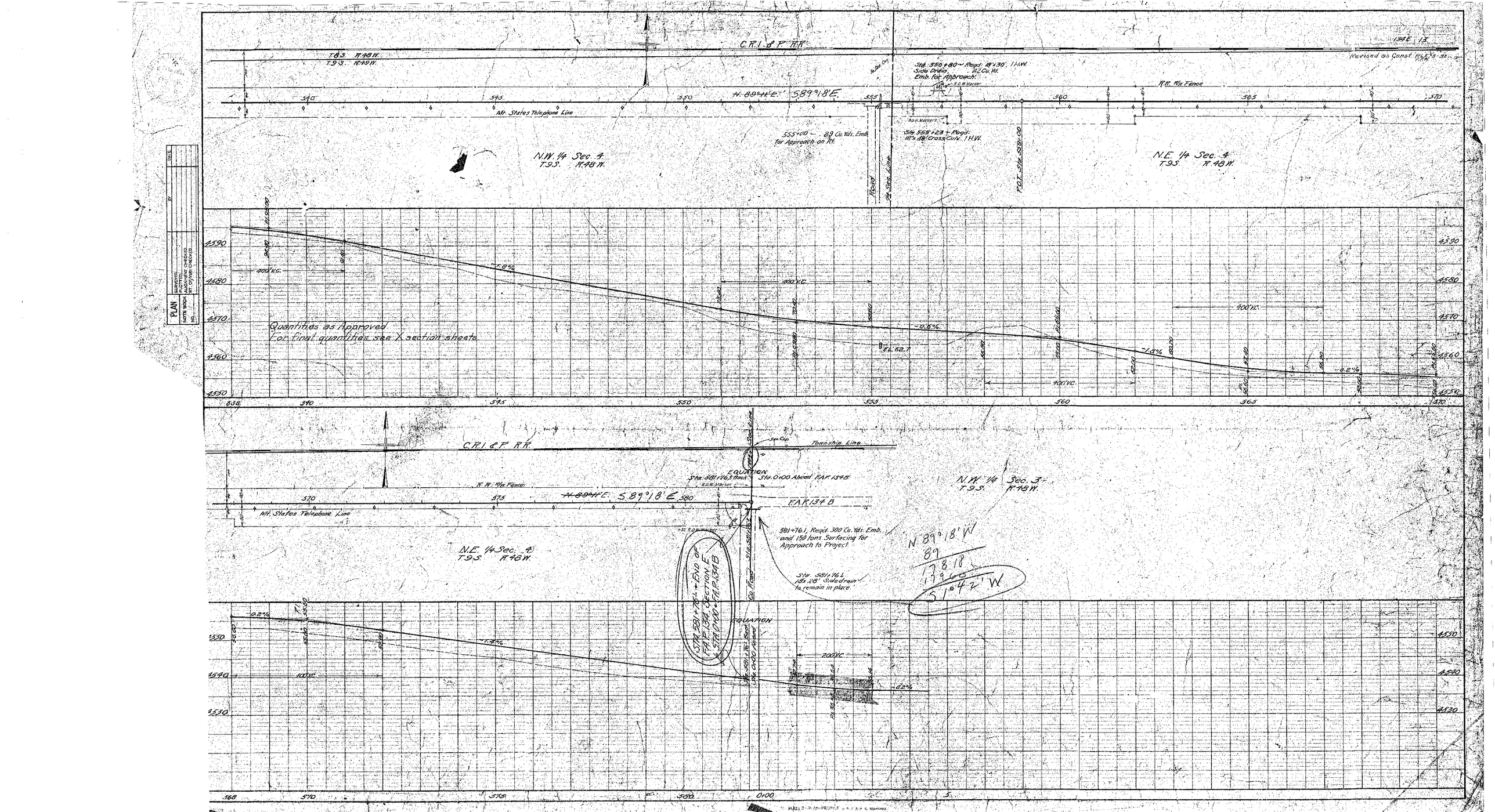
-0.6%

200' V.C.

FL. 1600

16.00
15.90

505 510 515 520 525 530 535 540


C.R.I. & P. R.R.
T.8S. R.49W.
T.9S. R.49W.
N. 89°-1/4°E.
S.89°18'E.
Mt. States Telephone Line
555+00 — 89 Cu. Yds. Emb. for Approach on Rt.
N.W. 1/4 Sec. 4 T.9S. R.49W.
Std. 556+80 ~ Reqd. 18"x30' 1 H.W. Side Drain 42 Cu. Yd. Emb. for Approach
R.O.W. Marker
Rt. Mtr. Fence
Std. 555+23 ~ Reqd. 18"x 48' Cross Culv. 1 H.W.
P.O.T. Sta. 558.00
Revised as Const. Plan Sh. 2
N.E. 1/4 Sec. 4 T.9S. R.48W.
Quantities as Approved
For final quantities see X section sheets
C.R.I. & P. R.R.
Township Line
EQUATION
Sta. 581+76.1 Back
Sta. 0+00 Ahead
P.A.F. 134.5
N.E. 1/4 Sec. 4 T.9S. R.48W.
N.W. 1/4 Sec. 3 T.9S. R.48W.
S.89°18'E. 380
P.A.F. 134.8
581+76.1, Reqd. 300 Cu. Yds. Emb. and 150 tons Surfacing for Approach to Project
Sta. 581+76.1 18"x 28' Side drain to remain in place.
N. 89° 18' W
89
17 8 18
17 3 60
51° 42' W
STA. 581+76.1 = End of P.A.F. 134.5 Section E
STA. 0+00 = P.A.F. 134.8
EQUATION
Sta. 581+76.1 Back
Sta. 0+00 Ahead
200' V.C.
-1.2%
-1.4%
-0.2%
-0.6%
-1.8%
-2.2%
FL 62.7
PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
NOTE BOOK
ELEVATION CHECKED
NO.