F.A.P.-154-C

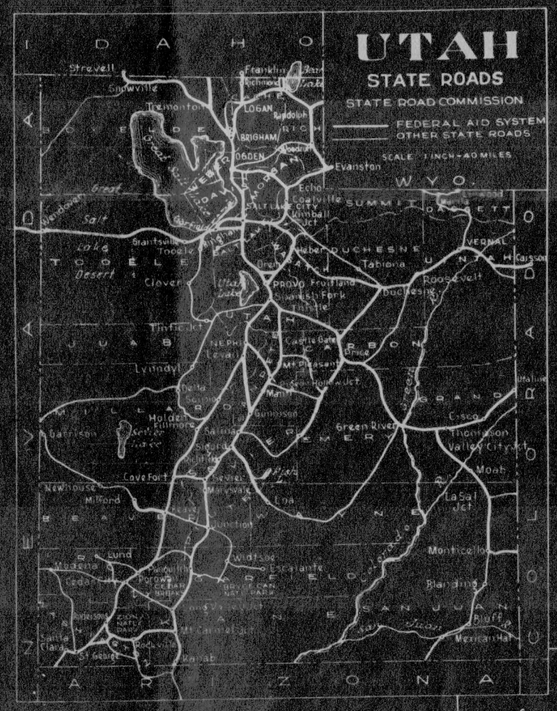
FED. ROAD DIST. NO	STATE	FED. AID PROJ. NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
12	UTAH	154-C	1937	1	28

STATE OF UTAH
STATE ROAD COMMISSION

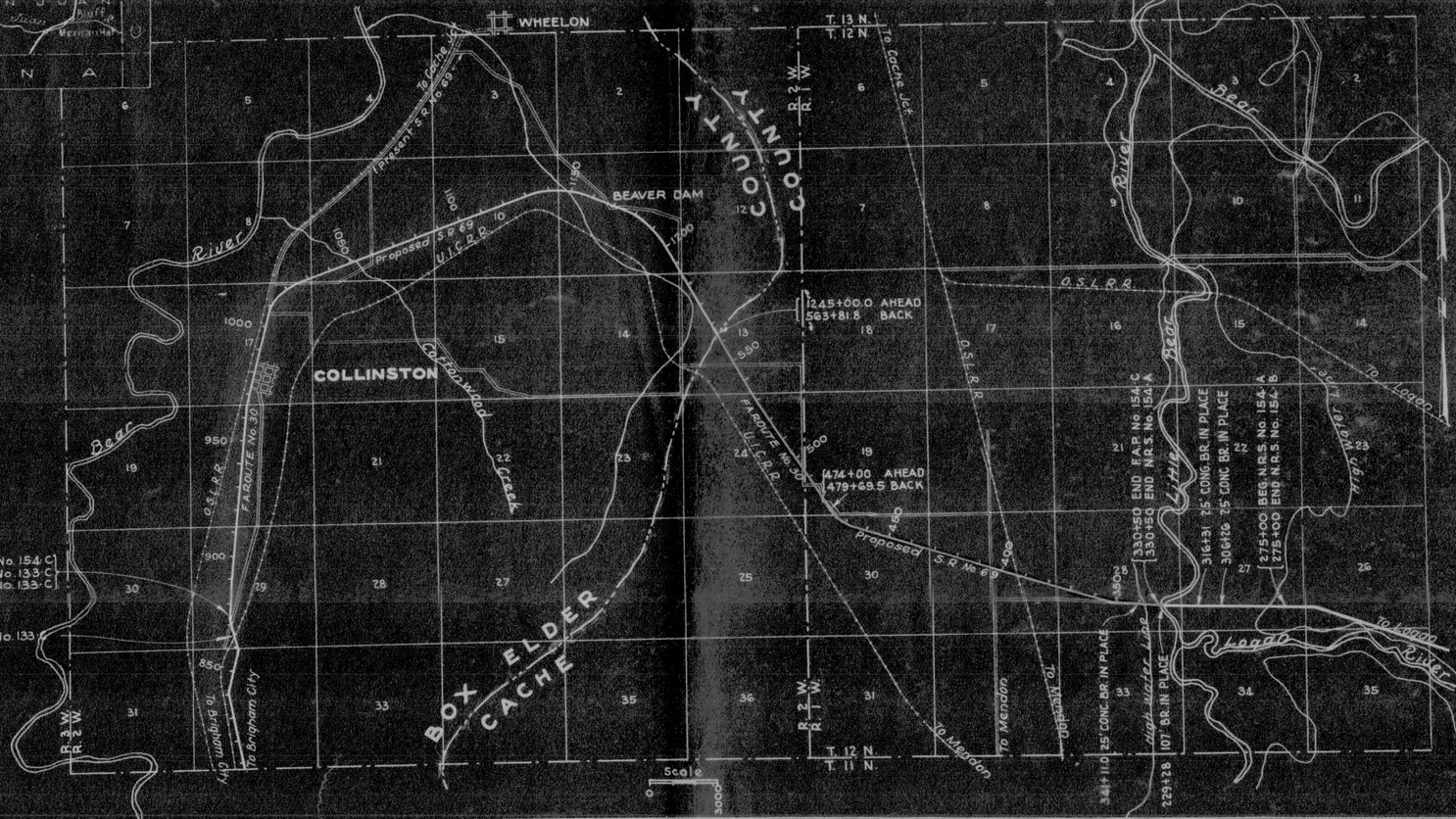
PLANS OF PROPOSED STATE ROAD

FEDERAL AID PROJECT

F.A.P. No. 154-C LENGTH 11.521 MILES



Scales
Plan
Profile — Horizontal
Profile — Vertical



INDEX TO SHEETS F. A. P. No. 154-C

SHEET No.	DESCRIPTION	DRAWING No.	STATION
1	Title Sheet		
2	Typical Section		
3-22	Plan and Profile		
23-24	5'x3'x9'5 Conc. Box	5345-2	410+60
26	Ext. to Dbl. 12'x6' Conc. Box	E-588	341+10
27	Std. Guard Rail Type P	V-108-P	
28-A	R.R. Flasher Signal	J-460	
28-B	Strutting For Large Dia. C.M.P.	J-390	
28-C	Super. and Widen Curves	J-343-RS	
28-D	F.A.P. and R. of W. Mks.	J-391-R	
1:125	X-Sections		

APPROVED Jan. 1937
STATE ROAD COMMISSION OF UTAH

Edw. E. Howes — CHAIRMAN

Fred Lorenzo Reynolds — MEMBER

W. Hammond — MEMBER

H. E. Wright — CHIEF ENGINEER

RECOMMENDED FOR APPROVAL:

DISTRICT ENGINEER BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL:

CHIEF ENGINEER BUREAU PUBLIC ROADS

APPROVED:

DIRECTOR BUREAU PUBLIC ROADS

154 C 1937 14 28

PLAN	BY	DATE
SURVEYED	S.M. FONNESBECK	1936
PLOTTED	C.D. MILLS	1937
ALIGNMENT CHECKED		
TRACED	H.K. FENIMORE	1936
NOTE BOOK No. 3390		
No. 3392		

PROFILE	BY	DATE
SURVEYED	C.M. FONNESBECK	1936
PLOTTED	J.W. FENNELL	1936
VERTICALS CHECKED	H.K. FENIMORE	1936
H.W.'S NOTED	H.P. FENNELL	1936
PROFILE PLOTTED & CHECKED	H.P. MILLER	1937
NOTE BOOK No. 3392		

FREDERICK LEROY BOWEN

ALFALFA

CREEK

RIGHT OF WAY

RIGHT OF WAY

ALFALFA

CREEK

STUBBLE

STUBBLE

STATE OF UTAH

CACHE COUNTY
BOXELDER COUNTY

SEC. 14 T. 12 N. R. 2 W. S.L.B.&M.
SEC. 13

SECTION LINE

40 ACRE LINE

40 ACRE LINE

1/4 SECTION LINE

N.W.1/4 N.W.1/4 SEC. 13

S.E.1/4 N.W.1/4 SEC. 13

S.W.1/4 N.W.1/4 SEC. 13

N.E.1/4 S.W.1/4 SEC. 13

1211+18

1226+26

1233+34.5

59° 57'

S. 29° 26' E.

S. 29° 26' E.

STA. 1245+00
BOXELDER CO. SURVEY BACK =
EQUATION
STA. 563+81
CACHE CO. SURVEY AHEAD

EQ. { N. 29° 10' W. = / S. 29° 26' E. =

1245+00 BOUNDARY LINE

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING Nº
1226±		24"X 46' C.M.P.	IRRIGATION	
1234±		18"X 60' "		
1233+00 - 1235+00		8 GUIDE POSTS LT. & RT.	30' INTERVALS	
1136+00 - 1241+00		" " " "	" "	

1215 1220 1225 1230 1235 1240 1245

S. 29° 26' E.

+2.68%

+4.45%

+3.54%

+5.58%

-6.00%

15.08 16.53 18.20 20.10 22.21 35.56 37.73 39.78 57.70 59.60 61.75 64.16 66.82

200' V.C. 200' V.C. 200' V.C. 200' V.C. 200' V.C. 200' V.C.

(4117.76) (4140.01) (4114.24)

B.M. ON N.W. COR. OF N. ABUT. OF U.P. OVERHEAD 4987.65

EQUATION: 29° 10' W. = 29° 26' E.

P.I. (4914.66) / (4905.41) AHEAD

STA. 1245+00 BACK

STA. 563+81 AHEAD

1200' V.C.

EMBANKMENT	1898
EXCAVATION	238
REMARKS	

1211+00 6 7 8 9 1220+00 1 2 3 4 1225+00 6 7 8 9 1230+00 1 2 3 4 1235+00 6 7 8 9 1240+00 1 2 3 4 1245+00 563 562

PLATE I-PLAN-PROFILE U. P. R. STANDARD

154.C 1937 15 28

DATE	
PLAN	1936
TRACED	1937
CHECKED	1936

C. M. FONNESBECK
C. O. MILES
H. M. FEHMEL

PROFILE
DRAWN 1937
TRACED 1937
CHECKED 1937

CACHE COUNTY
BOXELDER COUNTY

BOXELDER COUNTY
CACHE COUNTY
70.04 ±

CULTIVATED

RIGHT OF WAY

N. 29°10' W.

CULTIVATED

STATE OF UTAH

N.E. ¼ SEC. 13 S.W. ¼

40 ACRE LINE

40 ACRE LINE - USED AS COUNTY LINE FOR ASSESSMENT PURPOSES

70.04 ± 548+27.0

S. ½ N.W. ¼ SEC. 13 S.E. ¼

WHEAT STUBBLE

542+25

P.I. 542+12.4

Δ = 3° 18' RT.
R = 1719.2'
D = 3° 30'
T = 59.2'
L = 330.1'
E = 5.0'

WHEAT STUBBLE

IDA ELLA KIDMAN

¼ SECTION LINE

P.I. 538+82.5

S.E. ¼ SEC. 13 S.W. ¼

STATE OF UTAH

IDA ELLA KIDMAN

SECTION LINE
333+74.0 (CALC.)

PRESENT ROAD

P.C. 533+52.4

RIGHT OF WAY

N. 32° 28' W.

37.28 CALC.

530+04.8
FENCE INTERSEC.

N.W. ¼ N.E. ¼ SEC. 24

14 | 13 SECTION 13
23 | 24 T. 11 N. R. 2 W. S.L.B.&M.

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING Nº
548+90		18"X 58' C.M.P.	30° SKEW	

560 555 550 545 540 535 530

N. 29°10' W. N. 32° 28' W.

Δ = 3° 18' RT.
R = 1719.2'

P.T. 542+12.4
P.C. 535+52.4

4975 70 65 60 55 4950 45 40 35 30 4925 20 15 10 5 4900 95 90 85 80 4875 70 65 60 55 4850 45

1200' V.C.
71.56 70.46 69.11 67.53 65.70 63.63 61.33 58.78 55.98 54.91
557+81.8 =

-6.00%

35.00 32.12 29.48 27.07 24.91
200' V.C.

(4929.00)

-4.09%

(4908.55)

16.73 14.65 12.51 10.31 08.04 05.72 03.32 00.87 98.35
400' V.C.

-5.10%

88.15 85.74 83.60 81.73 80.14 78.82 77.77
300' V.C.

(4880.50)

-1.82%

-0.90%

-0.07½%

4871.40

4867.35

537+78

532+13

| | | |

PLAN	BY	DATE
SURVEYED	C.M. FONNESBECK	1936
NOTE BOOK	H.V. FENNER	1937
No. 3372	O.D. MILLER	1937
TRACED	H.M. FERMEL	1936
CHECKED		

PROFILE	BY	DATE
SURVEYED	C.M. FONNESBECK	1936
NOTE BOOK	H.V. FENNER	1937
No. 3372	O.D. MILLER	1937
TRACED	H.M. FERMEL	1936
CHECKED		

154.C 1937 16 28

SECTION LINE

N.E. ¼ N.E. ¼ SEC. 24

MRS. ELLA KIDMAN

FREDERICK POULSEN

40 ACRE LINE

S.E. ¼ N.E. ¼ SEC. 24

517+53 (SCALED)

OLD GULLY

PRESENT ROAD

TO COLLINSTON — TO LOGAN

¼ SECTION LINE

ALFALFA

RIGHT OF WAY

VERTICAL LEDGE

GULLY

CHANNEL CHANGE EASEMENT

N. 32° 28' W.

530+06.8 FENCE INTERSEC.

BRIDGE

527+10

522+00

518+03 (SCALED)

506+00

507+45

506+78 C.M.P. 13' LT.

PLOWED

JACOB PETERSON

N.E. ¼ S.E. ¼ SEC. 24

S. ½ N.E. ¼ SEC. 24

SECTION 24 T. 12 N. R. 2 W.

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING No.
521±		24"x 48' C.M.P.	30° X-ING ANGLE	
508+00		72"x 102' "	WASH X-ING 45° "	J-390
508+50 - 507+30		5 GUIDE POSTS RT.	30' INTERVALS	
519+00 - 508+50		36 " " "	" "	
527+00 - 521+00		21 " " "	" "	

530 525 520 515 510 505 500

N. 32° 28' W.

(4866.94) (4857.00) (4821.86) (4798.50) (4780.00)

0.074 ft

200' V.C. 700' V.C. 400' V.C. 300' V.C.

-1.42% -5.02% -2.33% -2.11% -1.64% -1.36%

67.01 66.90 66.60 66.15 65.52 61.97 61.19 60.29 59.24 58.10 56.80 55.40 53.86 52.16 50.37 48.44 46.38 44.18 41.86 39.43 37.00 24.82 21.87 19.64 18.36 84.17 91.96 91.67 90.28 97.42 96.27 94.63 92.91 91.10 85.55 83.84 82.40 81.23 80.34 79.72

B.M. NUMBER IN TOP OF STAKE ON FENCE POST NORTH OF STA. 529+48 ELEV. 4866.09

B.M. HUB ON SIDE OF HILL 80 FT. RT. OF STA. 508+63 ELEV. 4808.43

519+44

508+63

4875 70 65 60 55 4850 45 40 35 30 4825 20

4825 20 15 10 5 4800 95 90 85 80 4775 70

EMBANKMENT	7171	10390
EXCAVATION	8245	10357
		2488
		2862

REMARKS

Sta 527+10± to 506+: Construct channel change and as shown on plans. Channel 6' bottom 1/2:1 Slopes. Use rock of excavation to face embankment adjacent to wash. Include cost in price for excavation.

530+00 9 8 7 6 525+00 4 3 2 1 520+00 9 8 7 6 515+00 4 3 2 1 510+00 9 8 7 6 505+00 4 3 2 1 500+00 9 8

PLATE 1-PLAN-PROFILE U. P. R. STANDARD

Printed in U.S.A. by IMPERIAL Tracing Cloth

Blueprint by Keuffel & Esser Co. Chicago, New York

154.C 1937 17 28

PLAN		C.H.	L.H.
	C. M. FONNESBECK	1936	1936
NOTE BOOK	O. D. MILES	1937	1937
No. 3322	H. W. FEIMEL		1936
	TRACED		

RANGE LINE — 70° COLLIGEON

OLIVER L. PETERSON

N.W.¼ S.W.¼ SEC. 19

40 ACRE LINE

RIGHT OF WAY

50'

32°37'

494+12

495

493+00

490

485

PRESENT ROAD

480+64.0

N. 32° 28' W.

JAMES M. POULSEN

480

479+61

477+76

476+90.0

475

P.T. 479+55.3

70° LOCOMOTIVE

SECTION LINE

Δ = 39°48' RT.
R = 1910.1'
T = 690.1'
L = 1326.7'

N.E.¼ N.W.¼ SEC. 30

RIGHT OF WAY

50'

N. 72°46' W.

317.6'

P.T. 479+200

486+60

486+01.5

1878.0' TO SEC. COR. (CALC.)

FREDERICK POULSEN

479+66

478+00

477+16

475+55

476+22.0

SECTION LINE

ANNIE MARIA JENSEN

N.W.¼ S.W.¼ SEC. 30

STONE NOT FOUND

24 19
25 30

SECTION 19- T.12N.- R.1W. S.L.B.&M.
SECTION 24- T.12N.- R.2W. S.L.B.&M.

S.W.¼ S.W.¼ SEC. 19

N.E.¼ S.E.¼ SEC. 24

WELL

SHED

LANE

STA. 479+69.5 BACK = STA. 474+00 AHEAD
EQUATION

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING No.
473±		24"X 48' C.M.P.		
478±		18"X 48' "		
477±		3 GUIDE POSTS LT. & RT.	30' INTERVALS	
477±		18"X 74' C.M.P.		
486+50		18"X 58' "	30° SKEW	
497±		18"X 48' "		

PROFILE	C.H.	L.H.
NOTE BOOK	1936	1936
No. 3323	1937	1937
	1936	1936

495 490 485 480 475

79.72 79.37

300' V.C. −0.42%

78.34 78.08 77.74 77.31 76.78 76.17 75.46 74.67 73.79

(4777.50)

400' V.C. −1.85%

73.21 72.19 71.37 70.55 69.93 69.12 68.11 66.90 64.50

4764.50

5.00%

4750 45 40 35 30 80 4725 20 15 10 5 60 55 4700 95 90 85 80 4675 70 65 60

4734.5.3

4722.00

4706.10

4705.10

4.63%

4664.50

5.41%

STA. 474+00 AHEAD

STA. 479+69.5 BACK

EQUATION

Δ = 39° 48' RT.
R = 1910.1'

S.M. WALL W. FENCE POST 100' LT. STA. 477+30 FACE 2.46 FROM C/L

S.M. WALL W. FENCE POST 100' LT. STA. 475+96 FACE 2.43 FROM C/L

S.M. WALL ON FENCE POST 100' LT. STA. 479+63 FACE 2.43 FROM C/L

4777.30

4127
3374

4754.96

2027
2381

1556
1331

EMBANKMENT
EXCAVATION
REMARKS

8 7 6 495+00 4 3 2 490+00 9 8 7 6 485+00 4 3 2 480+00 9 8 7 6 475+00 4 3 2

PLATE I-PLAN-PROFILE U. S. P. R. STANDARDS

Printed in U.S.A.
by IMPERIAL Tracing Cloth

Eugene Wilson Co. Orange, New York

154-C 1937 18 28

PLAN			
	TRACED	H. M. P. & H. HAHEL	1936
	CHECKED	C. M. FONNESBECK	1936
NOTE BOOK No. 3922	COMPUTED	C. M. FONNESBECK	1936
	STAKED	C. M. FONNESBECK	1936

PRESENT ROAD
SECTION LINE

TO COLLINSTON

N.E. ¼ N.W. ¼ SEC. 30

ANNIE MARIA JENSEN

Δ = 39°48' RT.
D = 3°00'
R = 1910.1'
T = 691.4'
L = 1326.7'

PC. 469+28.6

¼-SECTION LINE

RIGHT OF WAY

50'

RIGHT OF WAY

470 | 465 | 460 | 455 | 450 | 445 | 440

N.W. ¼ N.E. ¼
SECTION 30
T. 12 N. - R. 1 W.
S. L. & M.

N.72° 16' W.

450+7.42

40 ACRE LINE

N.E. ¼ N.E. ¼ SEC. 30

FRED POULSEN

HANNAH GARDNER

MINNIE GERMER

40 ACRE LINE

PROPERTY LINE

PROPERTY LINE

JAMES M. POULSEN

448+31.0

72°45'

447

446+37.8

444+44.5

RIGHT OF WAY

50'

S.E. ¼ N.E. ¼ SEC. 30

LIST OF STRUCTURES

STATION	IN-PLACE	REQUIRED	REMARKS	DRAWING №
464±		24"X62' C.M.P.		
456±		18"X48' "		
442±		18"X48' "		

| | | |

UTAH	154-C	1937	19	28

PLAN		BY	DATE
	SURVEYED	C.M. & FONNESBECK	1936
	PLOTTED		1936
	NOTE BOOK	O.D. MILES	1937
	ACCURACY CHECKED		1937
	No. 3322	H.W. & H.M. PALMER	1936
	TRACED		

PROFILE		BY	DATE
	SURVEYED	C.M. FONNESBECK	1936
	PLOTTED	H.W. & H.M. PALMER	1936
	NOTE BOOK		1937
	No. 3323	H.W. PALMER	1937
	STRUCTURE PLOTTED		

N.E. ¼ N.E. ¼ SEC. 30 — 67.5° — 19 — 20 — 70 LOGAN — 70 COLLINSTON — P. — PRESENT ROAD — COR. NOT FOUND — 70 LOGAN

30 T.12 N. S.L.B.&M. 29 R.1W.

40 ACRE LINE — 40 ACRE LINE

FRED POULSEN — EOLINE ANDERSON — CACHE COUNTY — HENRY T. BENSEN

WHEAT — ALFALFA — WHEAT — ALFALFA

S.E. ¼ N.W. ¼ SEC. 29

4414 + 55.6 C/L OF CANAL — 43.9° (SKEW)

440 — 435 — 430 — 425 — 420 — 415 — 410+60 — 410

RIGHT OF WAY — 50' — 50' — 50' — 50' — 50' — 50' — 50' — 50' — 50' — 50' — RIGHT OF WAY

77°47' — 77°46' — N.72°16'W. — 77°32' — 5'x3' DITCH — CONCRETE CULVERT — 5'x3' DITCH

(ABANDONED) — 4418+35.7 — 36.7° — 15.5° — 5'x3' DITCH — FARM YARD — SHED — BARN — SHED — VACANT FARM HOUSE — SHED

S.E. ¼ N.E. ¼ SEC. 30 — 4431+59.0 — 4431+25.0 — 4427+55.6 — S.W. ¼ N.W. ¼ SEC. 29

SEC. 30 — SEC. 29

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING No.
432+60		18"X 52'C.M.P.	SIDE DITCH IN X-ROAD	
414+50		36"X 62' "	ABANDONED CANAL X-ING 80° SKEW	
410+60		5'x3'x 91'-5" CONC. BOX	45° SKEW	5345-2 (2 SHEETS)

440 — 435 — 430 — 425 — N.72°16'W. — 420 — 415 — 410

60 — 55 — 4550 — 45 — 40 — 35 — 30 — 4525 — 20 — 15 — 10 — 5 — 4500

-1.81% — -1.40% — -1.90% — -1.72% — -2.10% — -2.364%

4545.50 — 4539.20 — 4524.00 — 4514.55 — 4503.00

B.M. SET NAIL IN W. FACE OF POST IN FENCE 2.5 FEET E. OF STA. 433+00 — ELEV. 4545.50

B.M. SET NAIL IN W. FACE OF POST 2.1 FT. OF STA. 426+50 — ELEV. 4539.20

B.M. SET NAIL IN W. FENCE POST 55' S. OF STA. 418+75 — ELEV. 4525.69

410+08

| | | |

154.C 1937 20 28

PLAN	DATE
BY: C. M. FONNESBECK	1936
TRACED: C. D. MILLER	1937
CHECKED: H. W. PERKINS	1936
NOTE BOOK No. 3922	TRACED

PROFILE	DATE
SURVEYED: C. M. FONNESBECK	1936
PLOTTED: J. W. MILLER	1937
CHECKED: J. C. JENSEN	1937
NOTE BOOK No. 3923	TRACED
BY M. P. NOTE: J. D. MILLER	1936

S.E.¼ N.W.¼ SEC. 29
S.W.¼ N.E.¼ SEC. 29
N.W.¼ S.W.¼ SEC. 28
N.E.¼ S.E.¼ SEC. 29
N.W.¼ S.E.¼ SEC. 29
SECTION LINE
¼ SECTION LINE
STONE NOT FOUND. INTERSECTION OF FENCE AND LANE USED AS ¼ COR.
SEC. 29 SEC. 28
T. 12 N. - R. 1 W. S.L.B.&M.
CACHE COUNTY
405+76.8
405+10.2
404+44.2
405+13.4
TO CALLISTON
TO LOGAN
CONC. BOX
DITCH
72°24'
ALFALFA
WHEAT
WASH
RIGHT OF WAY
50'
FENCE NOT PARALLEL
SHED
HENRY T. BENSEN
UTAH MORTGAGE & LOAN CORP
LANE
397+33.6 (CALC.)
R.R. FLASHER LIGHT & SIGNAL
17' FROM ℄ OF TRACK TO NEAREST POINT OF SIGNAL
R.R. FLASHER SIGNAL REQUIRED
R.R. STA. 313+61.3
R.R. STA. 314+19.67
393+50.0
392+71.8
WOOD BOX
℄ R.R.
℄ TELEGRAPH
℄ LINE
R.R. STA. 316+80.0
40 ACRE LINE
N. 72° 16' W.
R.R. STA. 313+07.93 & M.P. 314+02.93
390+75.0
386.0'
35°56'
71°35'
316+57.5
316+69.3
℄ SECTION LINE
SECTION LINE
℄ RT. OF WAY
FENCE INTERSECTION USED AS SEC. COR.
29 28 32 33

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING №
405±		36"x 52' C.M.P.		
393±		18"x 36' "	30° SKEW	
387+70		36"x 56' "	30°SKEW	
382±		18"x 48' "		
392+71		2 FLASHER R.R. SIGNALS		J.460

EMBANKMENT 1457 2048 2274 1300
EXCAVATION 30 110 0 1489
REMARKS

Sta. 392+ Provide extra width of fill to accommodate signals.

B.M. SET KNULL IN POST ON W. FENCE OF LANE 1.0 FT. E. ELEV. 4445.32

B.M. NAIL IN POST ON WEST FENCE LINE OF LANE 1 ELEV. 4435.05

B.M. SET KNULL IN POST ON W. FENCE OF LANE 1.0 FT. E. ELEV. 4446.98

-2.36%
-1.10%
-1.81%
-1.70%
-1.86%
(449000)
91.8
90.18
89.45
4439.40
4465.30
100' V.C.
200' V.C.
77.74 77.41 77.17 77.03 76.98 76.98 76.95 76.87 76.74 76.55 76.31 76.02 75.68 75.28
393+75
392+75
391+75
390+75
393+25 = (4476.98)
392+13.4
390+75 = 75.28

405 400 395 390 385 380

4500 95 90 85 80 4475 70 65 60 55 4450 45

8 7 6 405+00 4 3 2 1 400+00 9 8 7 6 395+00 4 3 2 1 390+00 9 8 7 6 385+00 4 3 2 1 380+00 9 8 7 6

PLATE 1-PLAN-PROFILE B. P. R. STANDARD

PLAN	BY	DATE
APPROVED	C. M. FONNESBECK	1936
CHIEF ENGINEER	Q.D. MILES	1937
DRAWN BY	M. FEHMEL	1937
TRACED	M. FEHMEL	1937
CHECKED		
NOTE BOOK		
NO. 3322		

154-C 1937 21 28

RESERVOIR

STA. 360+25.5 BACK
EQUATION
STA. 360+30.5 AHEAD

N.E. 1/4 S.W. 1/4 SEC. 28

A = 14°43' RT.
D = 1°00'
R = 5729.65'
T = 739.9'
L = 1471.7'

1/4 SECTION LINE

P.C. 345+53.5

345

N.W. 1/4 S.W. 1/4 SEC. 28

40 ACRE LINE

HENRY KIDMAN

OFFICE REVISION: CURVE CHANGED FROM 3° TO 1°

CACHE COUNTY

ALFALFA

P.T. 360+25.2

360

CULTIVATED

355

P.C.

350

RIGHT OF WAY

N.86°59'W.

RIGHT OF WAY FENCE

375

370

365

T7°8'

2292.0'

OLD BORROW PIT

208.0

N.72°16'W.

RT. OF WAY

50'

OFFICE REVISION

ORIGINAL SURVEY

UTAH POWER & LIGHT CO.

POLE LINE

RIGHT OF WAY

PRESENT ROAD

HENRY KIDMAN

P.I. 352+93.4

P.C. (CURVE)

S.W. 1/4 S.E. 1/4 SEC. 28

TO COLLINSTON

SECTION LINE

SEC. 29 SEC. 28
T. 12 N. R. 1 W.
S.L.B. & M.

40 ACRE LINE

S.E. 1/4 S.W. 1/4 SEC. 28

LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING No.
370+50		24"x48' C.M.P.		
362+60		24"x48' "		
354±		24"x48' "		

N.72°16'W.

A = 14°43' RT.
R = 5729.65'

OFFICE REVISION

P.C. 345+53.5

N.86°59'W.

-1.865%

-1.55%

-1.89%

-1.446%

-1.446%

-0.108%

4444.98

4438.00

4429.50

B.M. NAIL IN TEL. POLE
ELEV. 4446.72

B.M. SET. NAIL IN GROUND
ON 36" PINE POST 1.0' W.
OF C.L. STA. 362+75
ELEV. 4430.1

1222

100' V.C.

1167

1148

(4411.90)

EQUATION

360+25.2 P.T.

STA. 360+30.5 AHEAD

STA. 360+25.5 BACK

357+07

346+47

EMBANKMENT 1975
EXCAVATION 1279

2689
76

REMARKS

Sta. 350 - 330+50 Haul in borrow.

4450 45 40 35 30 4425 20 15 10 5 4400

6 375+00 4 3 2 1 370+00 9 8 7 6 365+00 4 3 2 1 360+00 9 8 7 6 355+00 4 3 2 1 350+00 9 8 7 6 345+00 4

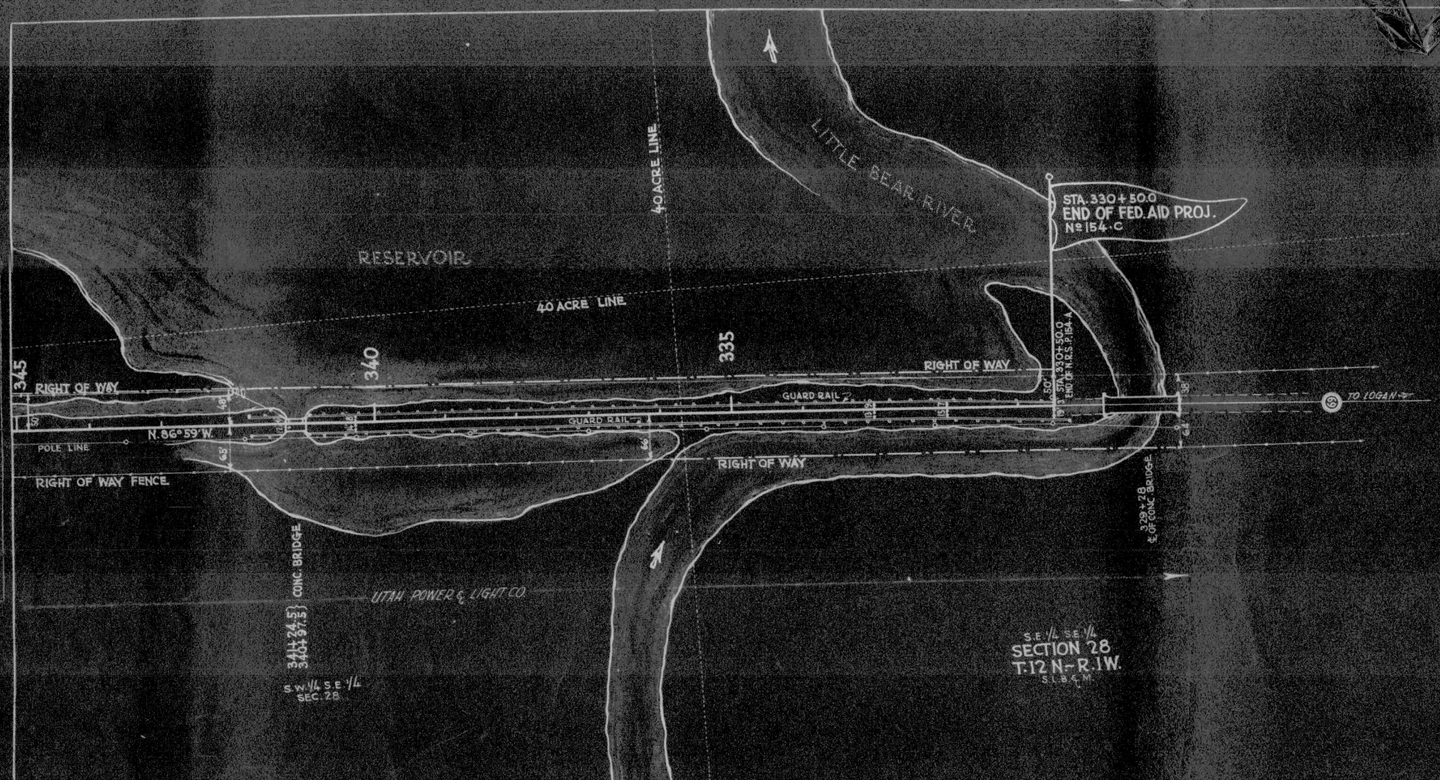
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PLATE I-PLAN-PROFILE U. P. R. STANDARD

Blueprint with USER CO. Chicago-New York

PLAN	DATE
TRACED	1937
DRAWN	1937
CHECKED	1937
QUANTITIES	
NOTES	

C.W. PONNS BECK
Q.D. MILES
H.M. FEHMEL



LIST OF STRUCTURES

STATION	IN PLACE	REQUIRED	REMARKS	DRAWING Nº
341+10	27'x 18' DOUBLE CONC. BOX	EXTEND 11'-11" LT. & 6'-00" RT.		E.588 (2 SHEETS)
341+00	330+50	1050' GUARDRAIL LT. & RT.	TYPE "P"	V.108-P
345+00	341+20	13 GUIDE POSTS LT. & RT.	" " "	"
330+50	341+75 1098' GUARD RAIL LT. & RT.		REMOVE	

N. 86° 59' W.

-0.108% 0.00% +0.18% -0.130%

4410.42 4410.42 4411.50 4411.09

STA. 330+50 END OF F.A.P. Nº 154.C
STA. 330+50.0 END OF W.E.S.P. Nº 1942-A

EMBANKMENT	2850	1607
EXCAVATION	519	48

REMARKS: Sta. 341+-330+50 Remove existing guard rail.

4 3 2 1 340+00 9 8 7 6 335+00 4 3 2 1

15 10 5 4400

PLATE I-PLAN-PROFILE B.P.R. STANDARD

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