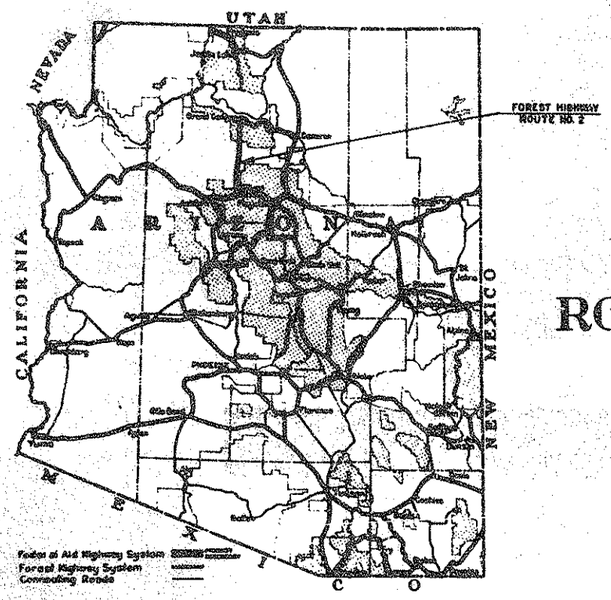
Click here for SR 64 Index



UNITED STATES DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	ARIZ.	2-B5	1	29

Construction Revisions Shown

AS CONSTRUCTED PLANS FOR

PROJECT 2-B5

ROUTE NO. 2 ~ GRAND CANYON - OLD TRAILS

52.3 MILES - CLASS 1

ARIZONA FOREST HIGHWAY SYSTEM

KAIBAB NATIONAL FOREST
COCONINO COUNTY
ARIZONA

F-033-1

ARIZ 2-B5

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Typical Cross Section
3	Estimate of Quantities
4-19	Plan & Profile - Sta. 1164+00 to Sta. 1632+17
20	1 Span 6' Culvert (C1-6-1)
21	Steel Lists & Bend Diagrams for 6' Culverts (C1-6-1)
22	Metal End Section for C.M.P.
23	Side Road Cattle Guard
24	Std. Fence & Gates (Ariz.)
25	Metal Guide Posts
26	Miscellaneous Structures (D2-A)
27	Typical Signs

APPROVED FOR CONSTRUCTION:-

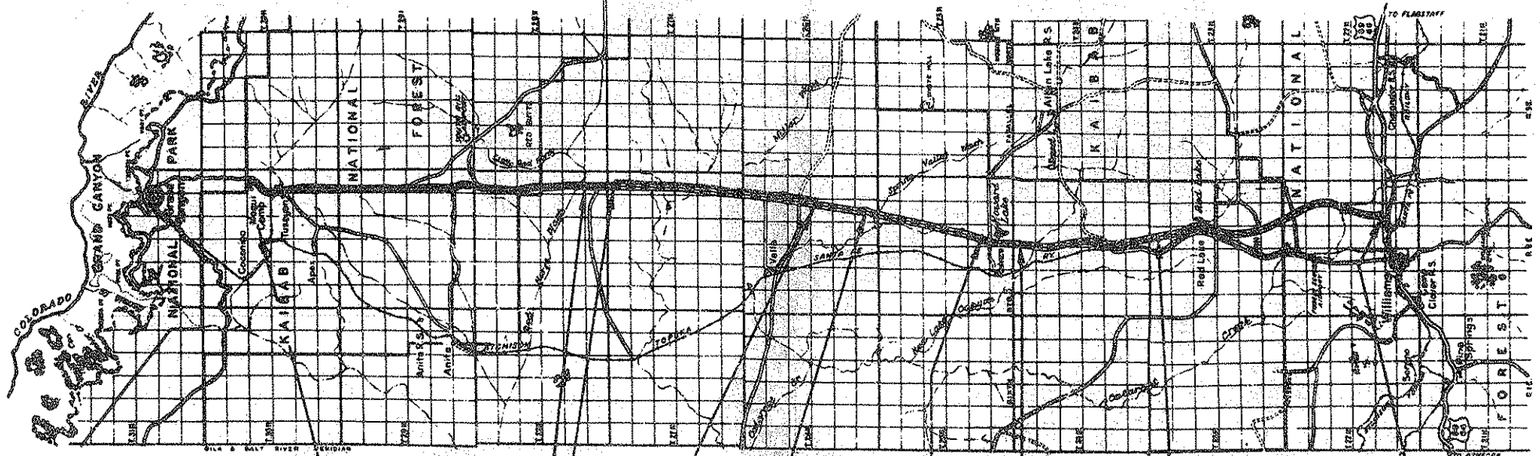
Arizona Forest Highway Project 2-B5, Grading, Base Course & Bituminous Surface Treatment ~ Sta. 1164+00 to Sta. 1632+17.

INDEX MAP

SCALE OF MILES 0 1 2 3 4 5 6 7 8 9 10 11

LEGEND

EXISTING ROADS | APPROXIMATE ROUTE | SURVEYED ROUTE | GRADED | GRAVEL OR STONE | BITUMINOUS SURF. TREAT | BITUMINOUS PAVED | P.C.C. PAVED



SECTION A

°A-Grading ~ 1928
A1 ~ SUBGR. REINF. (D.L.)-1928-29
°A2 - Subgr. Reinf. ~ 1929
°A3-B1 Tr. Cr. Bit. Surf (6' L.M. - 20' Wide) - 1931-32
°A4 - Seal Coat - 1932
Roadbed ~ 18 ~ 1926 F.H. Std.
Length ~ 15.402 Miles (As Const)
Surveyed - 1925

Sta. 1275+82.5 Park Bdy.

SECTION B

B-Subgr. & Betterment-1928; °B1-Subgr. Reinf.-1928-29
°B2-On Ts. Co. Rd. Surf. ~ 1931-32 (6' L.M. ~ 20' Wide)
°B3-Seal Coat ~ 1932 ~ Roadbed 18' - 1926 F.H. Std.
Length: 12.970 Miles (As Const) ~ Surveyed 1925

Sta. 1571+00

D5 - GRADING, BASE CRS. & BIT. SURF. TR. - 1949-50
Length ~ 2.867 Miles**
Surveyed by State - 1944

Base Crs. & Bit. Surf. Treat ~ 1.00' (69%) on Base Base Crs. & Cr. Gravel or Cr. S.* ~ Base Crs. with Bit. Preserv. Treat. ~ Full Width.

Sta. 1632+17

B4, C3 - GRADING, BASE CRS. & BIT. SURF. TR. - 1949-50
Roadbed ~ 34'; Length ~ 7.523 Miles**
Surveyed by State - 1944

Base Crs. & Bit. Surf. Treat ~ 1.00' (69%) on Base Base Crs. & Cr. Gravel or Cr. Stone Base Course with Bit. Preserv. Treat. ~ Full Width.

SECTION C°

°C-Grading - 1928 °C1-Subgr. Reinf. - 1929
°C2-On Ts. Co. Rd. Surf. - 1931-32 (6' L.M. - 20' Wide)
°C3-Seal Coat - 1932 ~ Roadbed - 18' - 1926 F.H. Std.
Length ~ 7.167 Mi. (As Const) ~ Surveyed 1925

Sta. 1632+17

C4, D5 - GRADING, BASE CRS. & BIT. SURF. TR. - 1949-50
Roadbed ~ 34'; Length ~ 8.240 Miles**
Surveyed by State - 1943

Base Crs. & Bit. Surf. Treat ~ 1.33' (67%) on Base Base Crs. & Cr. Gravel or Cr. Stone Base Course with Bitum. Preserv. Treat. ~ Full Width

SECTION D°

D-Grading - 1930; D1-Subgr. Reinf. - 1930; D2-Asphalt Surface Treat. & 3" Surf. (Loose Mixed) Treat. with So. E. Cutback Asphalt, 20' wide - 1931-32; D3-Structures - 1932 (Red Lake Wash & Cataract Wash Br. & Appr.); D4-Seal Coat - 1934

Sta. 1632+17

Roadway - 18' - 1929 F.H. Std. ~ Length ~ 17.193 Mi. (As Const) ~ Surveyed 1928-'29

Sta. 1749+50

D5 - GRADING, BASE COURSE & BIT. SURF. TR. - 1946-47
Roadbed ~ 34'; Length ~ 10.581 Mi. (Incl. 0.031 Mi. Br.)**
Surveyed 1943

Sta. 2081+40

Base Crs. & Bit. Surf. Treat ~ 1.33' (67%) Cr. Gravel or Cr. Stone with Bit. Pres. Treat ~ Full Width

Sta. 2081+40 to 2160+18.9

°Constructed as South Approach to Grand Canyon National Park.
°°Denotes as constructed mileage.

APPROVED:-

DIVISION ENGINEER - DIVISION 7 - BUREAU OF PUBLIC ROADS ..... DATE MARCH 8, 1950

DEPUTY STATE ENGINEER - STATE OF ARIZONA ..... DATE .....

SECTION 1, T.27N., R.2E., G&S.R.B&M.

Project	Sheet No.	Total Sheets
7 Ariz F-H-2(8)5	4	27

Construction Revisions Shown

Not Used
BORROW PIT NO.2
1700' Left 1154

STATE OF ARIZONA

Temporary Connection to Existing Fence

1164+00 to 1198+60 Remove existing fence (No Direct Payment)

1177+66 ~ Remove Clean and Stockpile Existing 30" C.M.P. 14'

BORROW PIT NO 3
1800' Left 1181

1164+00 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left. ~~46,813~~ Lin. Ft. 46,974

D/W Line

1160 1170 1180

S 0° 20' W 1974.78

To Grand Canyon

Existing Road Existing Road

Construct Connection to Existing Road

1164+00 to 1522+~~05~~09 ~ Construct 5 Strand Barbed Wire Fence Right. ~~39,805~~ Lin. Ft.

Final Fence Quantities 36,167 Lin. Ft.
Station 1164+00 to Station 1522+09
Station 1571+39 to Station 1632+17

D/W Line

1172+00 ~ Construct Connection to Existing Road.

BEGINNING OF PROJECT
STATION 1164+00

~~ARIZONA LIVESTOCK CO~~

Construct & Install Maintenance Markers Left & Right Station 1164+00 ~ Section 'B'.

Note: The alignment and grade as shown are subject to adjustment

GRADE SHOWN IS PROFILE GRADE

1155+00 Elev. 6121.8

1166+00 Elev. 6105.39

1176+80 ~ 1 Set 60/68 CB
1177+00 ~ 6 ~ 7" HG Bps ~ 2 ~ Metal Guard Posts
Culvert Facing Ahead
2 Flared Type Wings

1178+00 ~ 2 Sets 60/68 CB

11+10%

1000' V.C.

-1.45+%

1000' V.C.

-3.39+%

1150' V.C.

+0.11+%

1165+00 ~ 1 Metal Guard Post (Right)

6120 6110 6100 6090 6080 6070 6060

1160 1170 1180

GENERAL NOTES

CLEARING and GRUBBING to be performed without direct compensation.
EMBANKMENT material to be placed in accordance with Case 1, Subsection 207-3.5 of STD-01 and Special Provisions.
OBLITERATION of OLD ROADWAYS to be performed where directed by the Engineer - Area Resident.
ROAD APPROACHES to be constructed where shown and where directed by the Engineer. Borrow material to be placed on road approaches as directed.
STOCKPILING ~ Type 3 Stockpile Material to be stockpiled where directed at a rate of 1/2 ton per mile.
SEED SLOPES as directed. ~ 1 acre Allowed

Click here for SR 64 Index

T.27N., R.2E., G.&S.R.B.&M.

STATE OF ARIZONA

ARIZONA LIVESTOCK CO.

ARIZONA LIVESTOCK CO.

ARIZONA LIVESTOCK CO.

Original 200' R/W Recorded March 8, 1947
Book 11, Promiscuous
Pages 206-208
Flagstaff, Coconino County, Arizona.

Supplemental 50' R/W Recorded April 6, 1950
Book #17 of Official Records
Pages 226-227
Flagstaff, Coconino County, Arizona.

Construction Revisions Shown

1164+00 to 1198+60 Remove existing fence (No Direct Payment)

D/W Line

R/W Mon. Elev. 6078.58

100'

1190

50°20'W

1711.4.78'

1198+59.2

Existing Road

150'

R/W Mon. Elev. 6076.93

1164+00 to 1522+88 ~ Construct 4-Strand Barbed Wire Fence Right. See Sheet No. 4 for Quantity.

D/W Line

Section 1 / Section 12

1202+35 ~ Construct Road Approach on Lt. Construct Type 2 Gate on Lt.

1164+00 to 1632+17 ~ Construct 4-Strand Barbed Wire Fence, Left ~ See Sheet No. 4 for Quantity.

1200

1210

100'

Existing Road

150'

~~1200+00~~ ~ Construct Road Approaches ~~Left~~ Right.

1201+35 Construct Type 2 Gates ~~Left~~ Right.

Click here for SR 64 Index

Note: The alignment and grade as known shown are subject to adjustment.

6080
6070
6060
6050
6040

+0.74%

-0.65%

1150' V.C.

1.14%

1164+00 - 24' C.M.P. 45°
2 Metal End Sections.
2 - Marker Guide Posts

1202+00 - 24' C.M.P. 45°
2 Metal End Sections.
2 - Marker Guide Posts

1190

1200

1210

SECTION 12, T.27N., R.8E., G&S.R.B&M.

ARIZONA LIVESTOCK CO.

Sheet	State	Project No.	Sheet No.	Total Sheets
7	Ariz.	11.2 Bs	6	27

Construction Revisions Shown

1215+95 ~ Remove Clean and Stockpile Existing 18" C.M.P. 28'

BORROW PIT NO.6
900' Left 1215

1164100 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

1220

R/w Mon. Elev. 6044.00

1225+95 ~ Remove Clean and Stockpile Existing 24" C.M.P. 28'

~~1236+75 Remove Clean and Stockpile Existing 30" C.M.P. 36'~~

1242+30 ~ Construct Road Approach
1262+50 ~ Construct Type 2 Gate

D/W Line

1230

1240

50°20' W

17114.78'

Existing Road

Existing Road

100'

150'

150'

150'

R/w Mon. Elev. 6036.72

D/W Line

09

1164100 to 1522+00 ~ Construct 2 Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

1242+30 ~ Construct Road Approach
1241+45 ~ Construct Type 1 Gate

ARIZONA LIVESTOCK CO.

See sheet 3 for R/W recording data

Note: The alignment and grade as shown are subject to adjustment.

-1.13%

-1.98%

-0.63%

1220 P.I.

1226100 ~ 12°C.M.P. 28'
2 Metal End Sections
2 Metal Guide Posts

400

Furrow Ditch Left
820 Lin. Ft.

1226+68 ~ 36°C.M.P. 68'
2 Metal End Sections
2 Metal Guide Posts

Furrow Ditch Left
734 Lin. Ft.

1235+00 ~ 2 Metal Guide Posts

1236125 ~ Elev. 6009.32

1240103 ~ 67°-37' D.I. Bar
Construct Fence
2 Fibreglass Posts
2 Metal Guide Posts

1230 P.I.

1240 P.I.

6060
6050
6040
6030
6030
6020
6010
6000
5990

1 2 3 4 5 6 7 8 9 1220 1 2 3 4 5 6 7 8 9 1230 1 2 3 4 5 6 7 8 9 1240 1 2 3

PLAN: SURVEYED ____ PLOTTED ____ NOTE BOOK ____ DRAWN ____ CHECKED ____ BY OF PARTY CHECKED ____ NO. ____

PROFILE: SURVEYED ____ PLOTTED ____ NOTE BOOK ____ DRAWN ____ CHECKED ____ BY OF PARTY CHECKED ____ NO. ____ DEPARTMENT NOTATIONS ON FILE

Country Rev.:
Traced:
Checked: N.J.A. RMS
W.J.S. 1953

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T.27N.,R.2E.,G&S.R.B&M.

CONT. NO.	STATE	FED. NO.	DIST. NO.	COUNTY	SHEET NO.
7	Ariz.	F.H.2	B5	7	27

Construction Revisions Shown

ARIZONA LIVESTOCK CO.

1246+27 - Remove Clean and Stockpile Existing 18" C.M.P. 28'

D/W Line

R/w Mon. Elev. 6010.37

100'

1250

100'

150'

Section 12

Section 13

823' to S. Cor. N 89°-50' E

Existing Road

1252+86.9

09 4

1164+00 to 1322+85 ~ Construct Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

R/w Mon. Elev. 6006.90

R/W Line

ARIZONA LIVESTOCK CO.

1256+64 - Remove Clean and Stockpile Existing 24' C.M.P. 32'

S0°20'W

1711.4.76'

1260

Existing Road

ARIZONA LIVESTOCK CO.

1264+28 - Remove Clean and Stockpile Existing 18" C.M.P. 28'

1164+00 to 1632+17 ~ Construct Strand Barbed Wire Fence Left.
See Sheet No 4 for Quantity.

1270

150'

100'

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data.

181.1' to Sec. Cor. S 89°-50' W

Note: The alignment and grade as herein shown are subject to adjustment.

Furrow Ditch Left
1660 Lin. Ft.
1460

1256+64 - 36" C.M.P.
2 Metal End Sections.
2 Metal Guide Posts

1264+00 - 24" C.M.P. 60'
1 Metal End Sections
2 Metal Guide Posts

-0.63%

+0.94%

1200' V.C.

1256+00 - Elev. 5995.22

6010

6000

5990

1250 1260 1270

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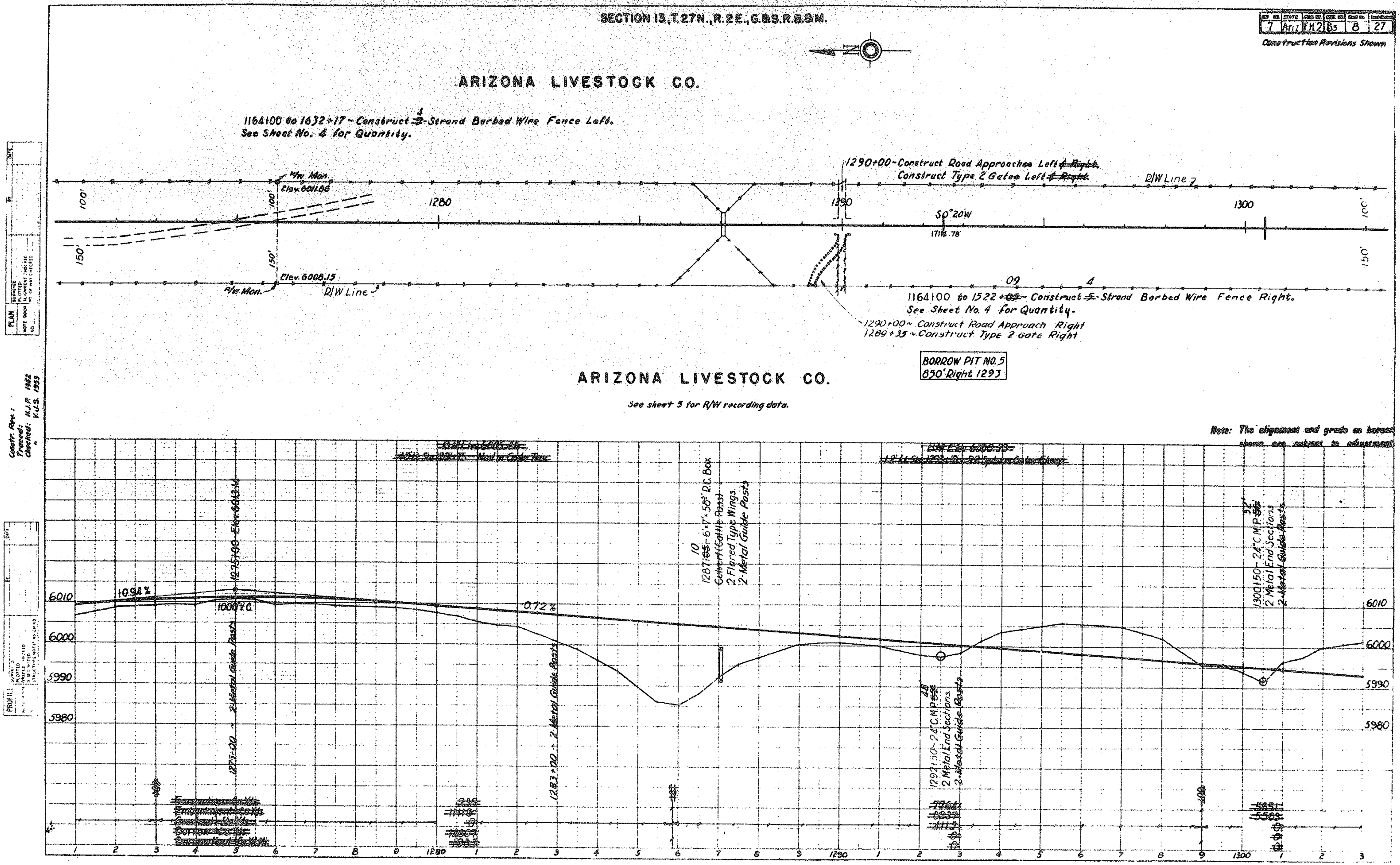

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T.27N.,R.2E.,G&S.R.B&M.

7	Ariz	FH 2	As	9	27

Construction Revisions Shown

ARIZONA LIVESTOCK CO.

1307+41 ~ 69' Left ~ Remove Clean & Stockpile Existing 30" C.M.P. 66'.

1332+78 ~ Remove Clean and Stockpile Existing 18" C.M.P. 28'

Section 13 / Section 24

835 to Sec. Cor.
N 89°56' E

178 to Sec. Cor.
S 89°56' W

D/W Line

R/W Mon.
Elev. 5986.15

1310

100'

S 0°20' W
1716.78

1320

1311+16.33 P.C.

Existing Road

1164100 to 1632+17 ~ Construct ℄ Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

R/W Mon. Elev. 5988.04

S 6°21' W
3089.34

1330

1323+19.66 P.T.

R/W Mon. Elev. 5985.81

1164100 to 1522 +85 ~ Construct ℄ Strand Barbed Wire Fence Right
See Sheet No. 4 for Quantity.

150'

Δ = 6°01'
D = 0°30' RT.
R = 11459.16
T = 602.22
L = 1203.33

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data

Note: The alignment and grade as shown are subject to adjustment

-0.72%

1000' V.C.

10.493%

1100' V.C.

-1.776%

1319+50 + Elev. 5995.05

1306+00 + 2 Metal Gantle Posts

1301+00 Elev. 5990.38

1307+50 - 36° C.M.P. 82' - 2 Metal End Sections

1323+19.66 + 2 Metal Gantle Posts

Furrow Ditch Left.
Lin. Ft.
1090

6000
5990
5980
5970
5960

1310 1320 1330

PLAN
SURVEYED
PLOTTED
NOTE BOOK
BY
NO.

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
BY
NO.
STRUCTURE NOTE BK CH NO.

County Aver. :
Traced:
Checked: H.J.P. 1962 H.J.S. 1963

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T.27N.,R.2E.,G&S.R.B&M.

Not Used
BORROW PIT NO.6
750' Left 1355

Sheet					
7	Ariz	82	63	10	27

Construction Revisions Shown

ARIZONA LIVESTOCK CO.

1345+25 - Remove, Clean & Stockpile Existing 24" C.M.P. 26'/24'
1345+62 - " " " " 30" " 30'/24'

1164+00 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

~~1340+00 Construct Type 2 Gate Left~~

R/W Line

1348+50 - Construct Road Approach Left.

R/W Mon. Elev. 5964.24

Section 24 / Section 25

100'

1340

56°21'W
30897.34

1350

1360

100'

150'

Existing Road

Existing Road

1355+77.08

1340+00 ~ Construct Road Approach Right.

R/W Line

150'

R/W Mon. Elev. 5960.58

1164+00 to 1522+09 ~ Construct 4 Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

~1315' to Sec Cor West

Note: The alignment and grade as known shown are subject to adjustment.

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data.

Counties Rem.:
Project:
Date Road: M.A.P. 1952
V.A.S. 1953

PLAN

PROFILE

5980
5970
5960
5950
5940

+1.776%

1500 V.C.

1337+00 ~ 2 Metal Guide Posts

1339+50 ~ Elev. 5959.57

1340+00 ~ Side Road & 2 Unit Cattle Guard & Type 2 Gate - Right.

1345+50 ~ 6'-T'-5'-6" D.C. Box Culvert (Cattle Pass)
2 Flared Type Wings.
2 Metal Guide Posts

1349+50 ~ Construct Side Road
2 Unit Cattle Guard - Left
Type 2 Gate

-0.4131%

5980
5970
5960
5950
5940

1 2 3 4 5 6 7 8 9 1340 1 2 3 4 5 6 7 8 9 1350 1 2 3 4 5 6 7 8 9 1360 1 2 3

Click here for SR 64 Index

SECTION 25, T.27N., R.2E., G.&S.R.B.&M.

STATE	DIST.	ROUTE	SHEET	TOTAL SHEETS
Ariz.	H.D.	64	11	27

Construction Revisions Shown

1363+17 ~ Remove Clean and Stockpile Existing 24" C.M.P. 28'

1369+38 ~ Remove Clean and Stockpile Existing 30" C.M.P. 30'

ARIZONA LIVESTOCK CO.

1164+00 to 1532+17 ~ Construct 4-Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

R/W Mon.
Elev. 5958.00

D/W Line

100'

1370

1380

S. 6° 21' W
30897.34

1390

100'

150'

E x i s t i n g R o a d

150'

1164+00 to 1522+09 ~ Construct 4-Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

Elev. 5961.06

D/W Line

R/W Mon.

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data

Note: The alignment and grade as shown are subject to adjustment

Furrow Ditch on Lt.
1178 Lin. Ft.

Furrow Ditch on Lt.
210 Lin. Ft.

1372+20 ~ 36" C.M.P.
2 ~ Metal End Sections
2 ~ Metal Cutoff Posts

1384+08 ~ 2 Metal Cutoff Posts

1395+00 Elev. 5956.61

-0.44% V.C.

10°00' V.C.

+1.41 16%

+10.2381%

1200' V.C.

1372+25 ~ Elev. 5949.00

5970
5960
5950
5940

1370 1380 1390

Click here for SR 64 Index

BORROW PIT NO 7
700' Left 1400

T.27N., R.2E., G&SRB&M.

ARIZONA LIVESTOCK CO.

STATE OF ARIZONA

Jnt FH 2 35 12 27

Construction Revisions Shown

D/W Line

1164+00 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

1400

Existing Road

09 4
1164+00 to 1522+~~05~~ ~ Construct ~~5~~ Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

R/W Mon

Elev. 5968.11

Elev. 5966.07

R/W Mon.

D/W Line

1410

1420

1416+00 ~ Construct Road Approaches Left ~~& Right~~
1415+05 ~ Construct Type 2 Gates Left ~~& Right~~

1420+27 ~ Remove Clean and Stockpile Existing 30" C.M.P.

1416+00 ~ Construct Road Approach Right
1415+85 ~ Construct Type 2 Gate Right

N 85°55'E 1309.2

S 6°21'W

1411+93.2

308.97-34'

S 89°55'W 732.2

25 36 26 35

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data

Note: The alignment and grade on horizontal curves are subject to adjustment

+0.23417

1100' V.C.

1000' V.C.

-0.820%

1404+00 ~ 2-Metal Guide Posts

1405+00 ~ 2-Metal Guide Posts

1409+00 ~ Elev. 5970.43

1413+00 ~ Begin 6-Metal Guide Posts

2-Metal Guide Posts

1420+37
6'-7"+ R.C.Box
Culvert (Prattle Area)
2-Placed Type Mats
2-Metal Guide Posts

1422+00 ~ Elev. 5959.77

5970
5960
5950

1400 1410 1420

Click here for SR 64 Index

SECTION 36, T.27N., R.2E., G&S.R.B.&M.

BORROW PIT NO.8
700' Left 1438

7	Ariz	F-H-21	13	27

Construction Revisions Shown

STATE OF ARIZONA ~~LIVESTOCK CO.~~

1164100 to 1632+17 ~ Construct ¼ Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

1444+81 ~ Remove Clean and Stockpile Existing 18" CMP 28'

R/W Line

R/W Mon.
Elev. 5969.22

1430 1440 1450

100' 100'

S6°21'W.
3089.34'

Existing Road

150' 150'

Elev. 5968.77

R/W Mon.

R/W Line

1164100 to 1522+08 ~ Construct ¼ Strand Barbed Wire Fence Right.
See Sheet No 4 for Quantity.

STATE OF ARIZONA ~~LIVESTOCK CO~~

Note: The alignment and grade as known shown are subject to adjustment

5980
5970
5960
5950

1000' V.C.
+0.880%
1000' V.C.
-0.120%
+0.0600%

1422+00 ~ 2-Metal Guide Posts

1427+00 ~ 24" CMP 28'
2-Metal Guide Posts

1444+81 ~ 24" C.M.P. 28'
2-Metal End Sections

Existing Bridge ~ Left
Existing Bridge ~ Right

Excavation Cu. Yds.
Embankment Cu. Yds.
Overhaul Sta. Yds.
Borrow Cu. Yds.
Surface Gravel Cu. Yds.

1 2 3 4 5 6 7 8 9 1430 1 2 3 4 5 6 7 8 9 1440 1 2 3 4 5 6 7 8 9 1450 1 2 3

PLAN | SURVEYED | DRAWN | TRACED | CHECKED | NOTE BOOK | SHEET NO. | DATE

PROFILE | SURVEYED | DRAWN | TRACED | CHECKED | NOTE BOOK | SHEET NO. | DATE

Quantity Book: H.S.P. 1952
Checked: U.S. 1953

Click here for SR 64 Index

Dist. No.	State	Fed. Aid No.	Job No.	Sheet No.
7	Ariz	FH 2	Bs	14	27

Construction Revisions Shown

T.27N.,R.2E.,G.&S.R.B.&M.

T.26N.,R.2E.,G.&S.R.B.&M.

BORROW PIT NO 9
1700' Left 1477

STATE OF ARIZONA ~~LIVESTOCK CO.~~

1438+24 - Remove Clean and Stockpile Existing 18" C.M.P. 28'

R/W Line

1460

100'

150'

Existing Road

1164+00 to 1522+09 ~ Construct 4 Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

ARIZONA LIVESTOCK CO.

36

35

1

2

ARIZONA LIVESTOCK CO.
See sheet 5 for R/W recording data

1164+00 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

1470

R/w Mon. Elev. 5973.66

1475+00 ~ Construct Road Approach on Lt.
Construct Type 2 Gate.

S. 6° 21' W

1480

30,697.34

Elev. 5972.27

R/w Mon.

R/W Line

1475+00 ~ Construct Road Approach on Rt.
Construct Type 2 Gate

~~STATE OF ARIZONA~~

Note: The alignment and grade as hereon shown are subject to adjustment

PLAN — SURVEYED / PLOTTED / NOTE BOOK / DRAWN / CHECKED / QUANTITIES CHECKED / BY MAY CHECKED / NO. / STRUCTURE NOTES

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / DRAWN / CHECKED / QUANTITIES CHECKED / BY MAY CHECKED / NO. / STRUCTURE NOTES

Check'd, Rev.:
Traced:
Checked: R.J.R. 1962
W.J.S. 1933

1458+32 ~ 24" C.M.P.
2 - Metal End Sections
2 - Metal Guide Posts

1467+00 ~ Elev. 5971.49

1467+00 ~ 2 - Metal Guide Posts

800' V.C.

1475+00 ~ 24" C.M.P.
2 - Metal End Sections
2 - Metal Guide Posts

+0.6000 %

+0.7754 %

5990
5980
5970
5960

1 2 3 4 5 6 7 8 9 1460 1 2 3 4 5 6 7 8 9 1470 1 2 3 4 5 6 7 8 9 1480 1 2 3

Click here for SR 64 Index

SECTION 1, T.26N., R.2E., G.&S.R.B.&M.

DIV. NO.	STATE	ROAD NO.	SHEET NO.	SHEET TOTAL	TOTAL SHEETS
7	Ariz.	F.H.205	15	27	

Construction Revisions Shown

1508+40 ~ Remove Clean and Stockpile Existing 18" CMP 28'

ARIZONA LIVESTOCK CO

See sheet 5 for R/W recording data

1164+00 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

D/W Line

R/W Mon. Elev. 5990.13

100'

1490

130'

1500

56°21'W

1510

100'

30,897.34'

E x i s t i n g R o a d

150'

150'

R/W Mon. Elev. 5989.24

1164+00 to 1522+09 ~ Construct 4 Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

D/W Line

STATE OF ARIZONA

Existing Fence to Remain in Place

VALLE AIRPORT

STATE OF ARIZONA

Note: The alignment and grade as horizontal shown are subject to adjustment

PLAN

SURVEYED
PLOTTED
NOTE BOOK
SHEET CHECKED
NO
DATE OF MAP CHECKED

PROFILE

SURVEYED
PLOTTED
NOTE BOOK
SHEET CHECKED
NO
DATE OF MAP CHECKED
STRUCTURE NOTES

Drawn: Rec.
Traced:
Checked: M.A.P. 1953
M.J.S. 1953

5990
5980
5970

-0.77532%

-0.06%

1060' V.C.

1456+00 ± 2 Metal Guide Posts

1497+00 ± 2 Metal Guide Posts

1508+40 62' 16' C.M.P. 2~Metal End Sections 2~Metal Guide Posts

1490 1500 1510

Click here for SR 64 Index

7	Ariz	FH 2	B5	16	27

Construction Revisions Shown

T.26N., R.2E., G.&S.R.B.&M.

BORROW PIT NO. 10
800' Left 1515

1525+70 - Remove Clean & Stockpile Existing 18" C.M.P. 26'

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data

1164100 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

R/W Mon.

Elev. 5987.34

1533+20 ~~1534+75~~ Construct Road Approach Left

Existing 18" C.M.P. 26'
2 C.R.M. Hdwls.

R/W Line

081 KMH

100'

1520

1530

1540

S0°02'E

~~1518+45~~

~~1535+61~~

30,897.34

S6°21'W

Existing Road

150'

N0°02'W

Elev. 5986.52

R/W Mon.

R/W Line

1164100 to 1522+~~08~~ ~ Construct 4 Strand Barbed Wire Fence Right.
See Sheet No. 4 for Quantity.

1492+44 To 1571+~~25~~ ~ Existing Fence to Remain in Place, Rt.

N0°02'W 2641.32'

STATE OF ARIZONA

VALLE AIRPORT

Note: The alignment and grade as herein shown are subject to adjustment

1529+70 ~ 24" C.M.P. 48'
2 ~ Wing End Sections
2 ~ Metal Guide Posts

1000' V.C.

1526+00 Elev. 5988.00

1533+47 ~ ~~1534+75~~ Side Road 3 Unit Cattle Guard & Type 1 Gate

1540+00 ~ 2 Metal Guide Posts

6000

5990

5980

-0.06%

10.48%

Click here for SR 64 Index

T.26N.,R.2E.,G.&S.R.B.&M.

ARIZONA LIVESTOCK CO.

See sheet 3 for R/W recording data.

BORROW PIT No 11
900' Left 1555+00

1566+66 ~ Remove Clean and Stockpile Existing 18" C.M.P. 28'

Construction Revisions Shown

STATE OF ARIZONA

Brass Cap Mon. Elev. 5994.51

1164+00 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left. See Sheet No. 4 for Quantity.

R/W Line

R/W Mon. Elev. 5996.26

R/W Mon. Elev. 5993.85

1550 1560 1570

30,897.34'

S 56° 21' W

Existing Road

R/W Mon. Elev. 5997.18

Existing Fence

R/W Line

1542+75 & 1547+15 ~ Construct Road Approaches Right.

VALLE AIRPORT

R/W Mon. Elev. 6000.09

C & G No. L 262 Brass Cap Mon. Elev. 5998.57

1574+51

5283.2 West to ℄ Curve

STATE OF ARIZONA

Note: The alignment and grade as shown are subject to adjustment.

1546+03 Elev. 6005.50

1000' V.C.

10.48%

10.28%

1567+08 Elev. 6003.40

1500' V.C.

2.5005%

1571+45 ~ 18" C.M.P. 50' (Skew) Under Road Approach Right

1561+00 ~ 2 Metal Guide Posts

1567+50 ~ 2 Metal Guide Posts

6010

6000

5990

1 2 3 4 5 6 7 8 9 1550 1 2 3 4 5 6 7 8 9 1560 1 2 3 4 5 6 7 8 9 1570 1 2 3

PLAN SURVEYED / DRAWN / NOTE BOOK / CHARTS CHECKED / BY / DATE OF YOUR CHECKED / NO.

PROFILE SURVEYED / DRAWN / NOTE BOOK / CHARTS CHECKED / BY / DATE OF YOUR CHECKED / NO.

Quantity Plan: / Traced: / Checked: / U.S.B.R. 1952 / U.S. 1953

Click here for SR 64 Index

T.26N.,R.2E.,G&S.R.B.&M.

7 Ariz EH2 Ds T6 27

Construction Revisions Shown

ARIZONA LIVESTOCK CO.

1580+46 ~ Remove Clean & Stockpile Existing 24" C.M.P. 28'

1587+18 ~ Remove Clean & Stockpile Existing 24" C.M.P. ~~30~~ 54'

1582+65 ~~Construct~~ Construct Road Approach Left

Construct Type 2 Gate Left.

1164+00 to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

R/W Line

R/W Mon. Elev. 5987.22

100'

1580

1590

1600

100'

56°21'W. 30,897.34'

Existing Road

150'

150'

Elev. 5988.09

1571+45 ~ Construct Road Approach Right.

1571+25

C&G No. L 262 Brass Cap Mon.

2235.1 West to ¼ Cor

39

1571+~~25~~ to 1632+17 ~ Construct 4 Strand Barbed Wire Fence Right ~ ~~6092~~ Lin. Ft. 6,129

R/W Line

R/W Mon.

Elev. 5977.79

1599+65 ~ Remove Clean & Stockpile Existing 24" C.M.P. 28'

1583+00 ~ 30' Left ~ Remove Clean & Stockpile Existing 24" C.M.P. 24'

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data.

Note: The alignment and grade as known shown are subject to adjustment.

6000

5990

5980

5970

-5.005%

+0.6694%

1584+75 ~ 18" C.M.P. 28' (Salvage) Under Road Approach Left

1600' V.C.

Elev. 5976.47

1587+00 ~ 36" CMP 50'
2 ~ Metal End Sections
2 ~ Metal Guide Posts

1589+00 ~ 36" CMP 50'
2 ~ Metal End Sections
2 ~ Metal Guide Posts

1600+00 ~ 36" C.M.P. 60'
2 ~ Metal End Sections
2 ~ Metal Guide Posts

1571+45 ~ Side Road 3 Unit Cattle Guard & Type 1 Gate.

1580 1 2 3 4 5 6 7 8 9 1590 1 2 3 4 5 6 7 8 9 1600 1 2 3

Click here for SR 64 Index

T.26N., R.2E., G.&S.R.B.&M.

Ariz. F-H 2-B5 | 19 | 27

Construction Revisions Shown

ARIZONA LIVESTOCK CO.

See sheet 5 for R/W recording data

BORROW PIT NO.12
600' Left 1626

Construct Connection to Existing Road.

1164+00 to 1632+17 ~ Construct ½ Strand Barbed Wire Fence Left.
See Sheet No. 4 for Quantity.

R/W Line

Section 14 / Section 23

1626+00 ~ Construct Road Approach Left.

100'

1610

1620

1630

¾" Mon. Elev. 6003.53

S 6°21' W 30,897.34'

To Williams →

150'

Existing Road

¾" Mon. Elev. 5994.64

R/W Line

1571+39 to 1632+17 ~ Construct ½ Strand Barbed Wire Fence Right.
See Sheet No. 18 for Quantity.

END OF PROJECT
STATION 1632+17

Note: The alignment and grade as shown above are subject to adjustment.

ARIZONA LIVESTOCK CO.

6010
6000
5990
5980
5970

+0.66%

100' V.C.

+1.95%

1625+20 ~ 2 Metal End Gate Posts

1626+00 ~ 2 Metal End Section
1 Metal End Gate Posts
2 Metal Gate Posts

1624+72 Gate

1625+98 ~ 6"x7" Box Culvert (Cattle Pass)
2 ~ Flared Type Wings
2 ~ Metal Gate Posts

1626+00 ~ Side Road ~ ½ Unit
Cattle Guard Left.

1621+50 ~ Elev. 6000.90

Excavation Cu. Yds.
Embankment Cu. Yds.
Overhaul Station
Borrow Cu. Yds.
Remarks and Explanations

1610 1620 1630

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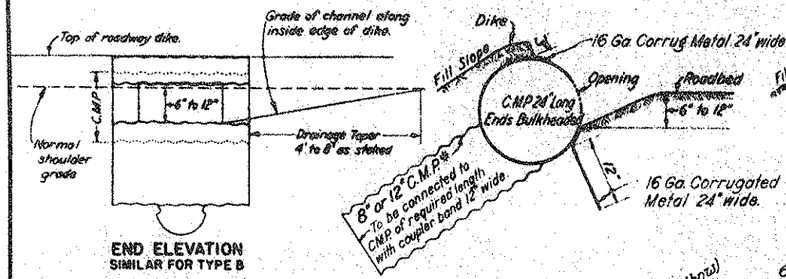
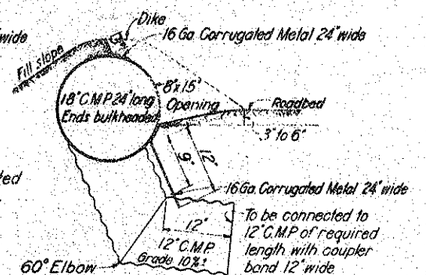


END ELEVATION
SIMILAR FOR TYPE B

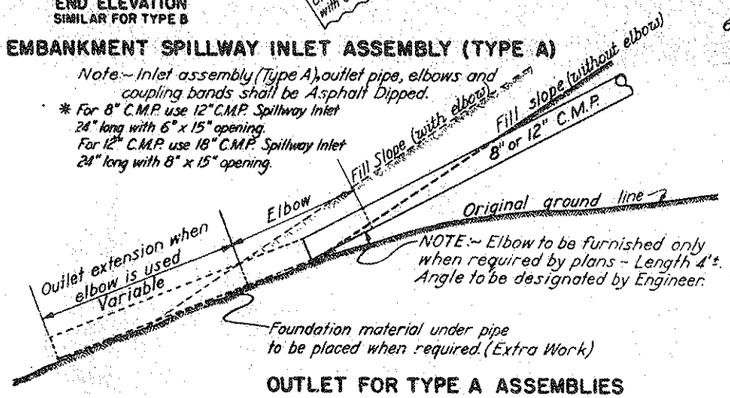
EMBANKMENT SPILLWAY INLET ASSEMBLY (TYPE A)

Note:- Inlet assembly (Type A) outlet pipe, elbows and coupling bands shall be Asphalt Dipped.

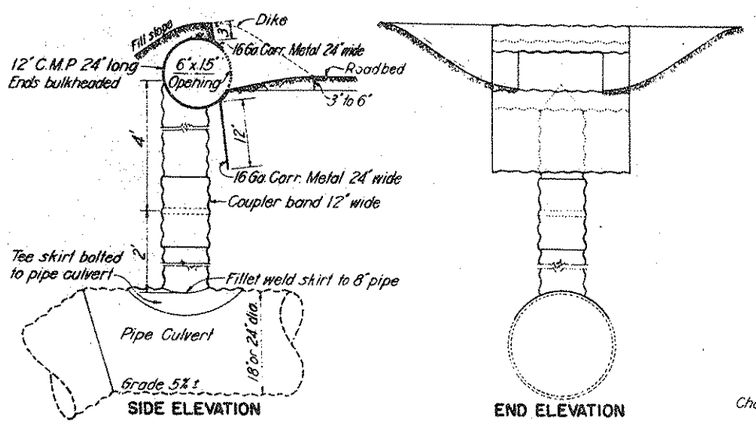
* For 8" C.M.P. use 12" C.M.P. Spillway Inlet 24" long with 6" x 15" opening.
For 12" C.M.P. use 18" C.M.P. Spillway Inlet 24" long with 8" x 15" opening.



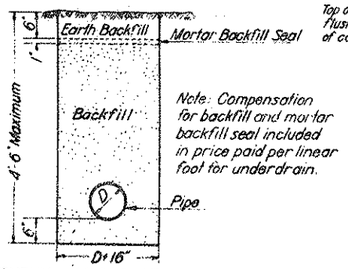
EMBANKMENT SPILLWAY INLET ASSEMBLY (TYPE B)



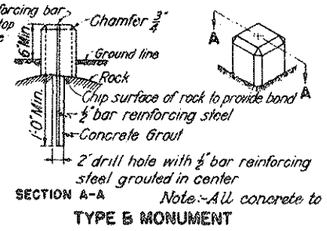
OUTLET FOR TYPE A ASSEMBLIES



EMBANKMENT SPILLWAY INLET ASSEMBLY (TYPE C)

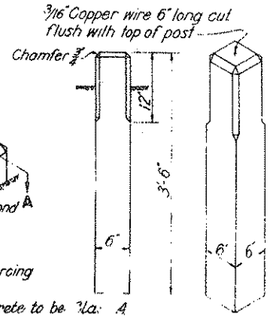


TYPICAL CROSS SECTION
UNDERDRAIN



SECTION A-A
Note:- All concrete to be Class A

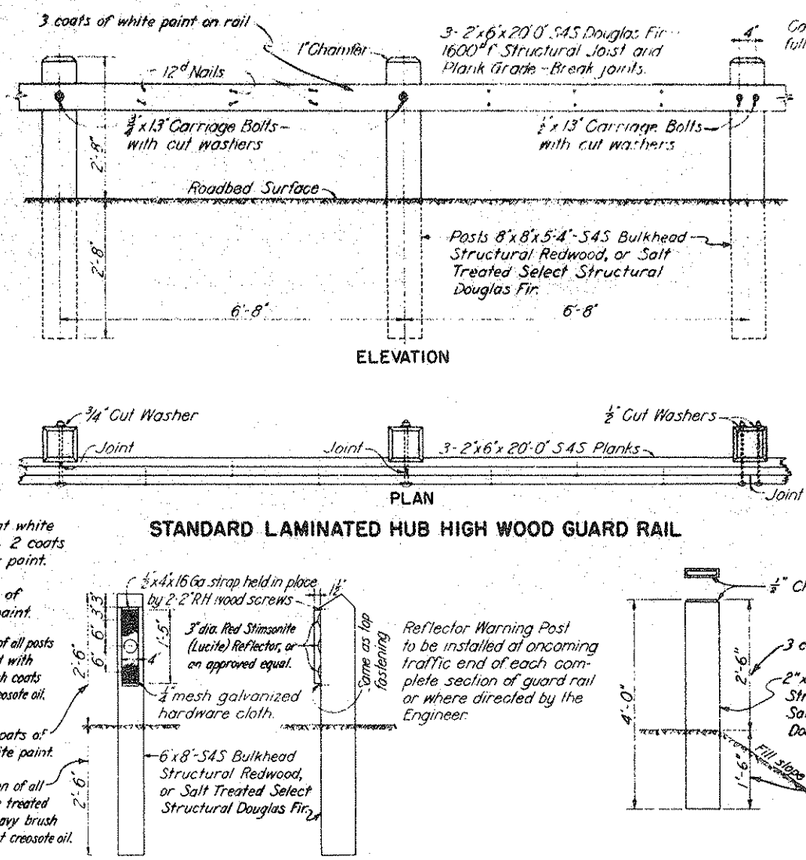
TYPE B MONUMENT



TYPE A MONUMENT

CONCRETE RIGHT OF WAY MONUMENTS

CULVERT MARKER



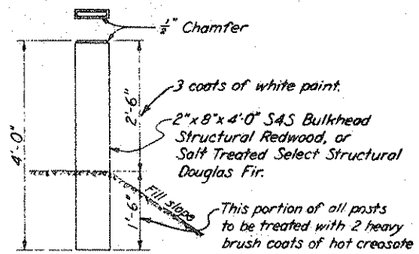
ELEVATION
SECTION

PLAN

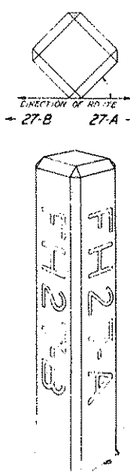
STANDARD LAMINATED HUB HIGH WOOD GUARD RAIL

Reflector Warning Post to be installed at oncoming traffic end of each complete section of guard rail or where directed by the Engineer.

TIMBER GUIDE POST WITH WARNING REFLECTOR



TIMBER GUIDE POST



CONCRETE MAINTENANCE MARKER POST

GENERAL NOTES

Specifications:- U.S. Public Roads Administration FP-41 and Special Provisions
Salt treated timber shall conform to the requirements given under Item 230 of the Specifications.
Paint for culvert markers, guide posts and guard rail shall conform to Fed. Spec. TT-P-40 (Type II) for white paint and Fed. Spec. TT-P-27 for black paint.

Concrete:- All concrete to be Class A.
Marking:- Recessed numbers and letters to be cast into the concrete by means of number or letter forms furnished by the Government.
Placement:- Posts shall be placed in pairs, one on each side of the highway, at the beginning and end of each project section.
Posts shall be set at the locations staked by the Engineer and in such a manner that the lettered faces make an angle of 45° with the roadbed centerline.

U. S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
DIVISION NO 7 SAN FRANCISCO

MISCELLANEOUS STRUCTURES

FEBRUARY 1939

D2-A

DIVISION	Title Block	Mile Mkrs. Post	Mile Boards	Radius Guard Rail	Sign To A Inlet	Title Blk	Class A Conc.	Posts Grade	Culvert Mkr. & Guide Posts	To A Inlet & Mobile Post	Culv. Markers, Guide Post, Guard Rail	Culv. Markers, Guide Post, Guardrail	Mr Block
DATE	Aug. 21, 1936	Jan. 30, 1940	Aug. 19, 1941	Many Revised	June 19, 1940	Apr. 11, 1941	Sept. as revised	Oct. 9, 1940	Dec. 11, 1940	July 10, 1939	October 5th, 1939	January 3, 1941	Aug. 22, 1939

Drawn by H.M. Christenson Date Feb. 1939
Traced by " " Date " "
Checked by E.S. Date " "

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