FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	ARIZ.	NON F.A. 98-A (53)	1	19
7	ARIZ.	F.I. 98 (21)	1	37

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	ARIZ.	F. 98 (18)	1	30
7	ARIZ.	Non F.A. 98A (1952)	1	3
7	ARIZ.	F.I. 98 (20)	1	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.
2	ARIZ.	S.R. 7 & F. 98 (16)	
7	ARIZ.	F.I. 98 (16)	
7	ARIZ.	F.L. 1 (4)	

STATE OF ARIZONA
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED

STATE HIGHWAY
EHRENBERG TO WICKENBURG

YUMA & MARICOPA CO

[redacted] PROJECT NO. [redacted]

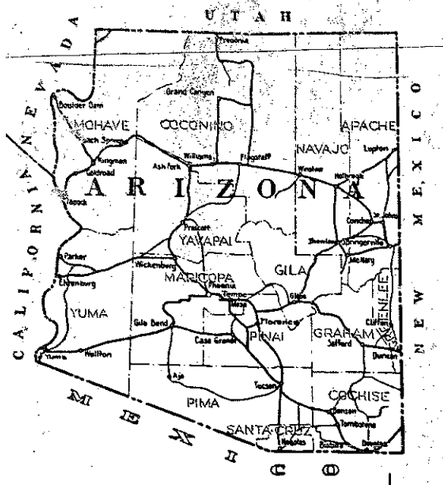
FI 98 (21)
AS BUILT

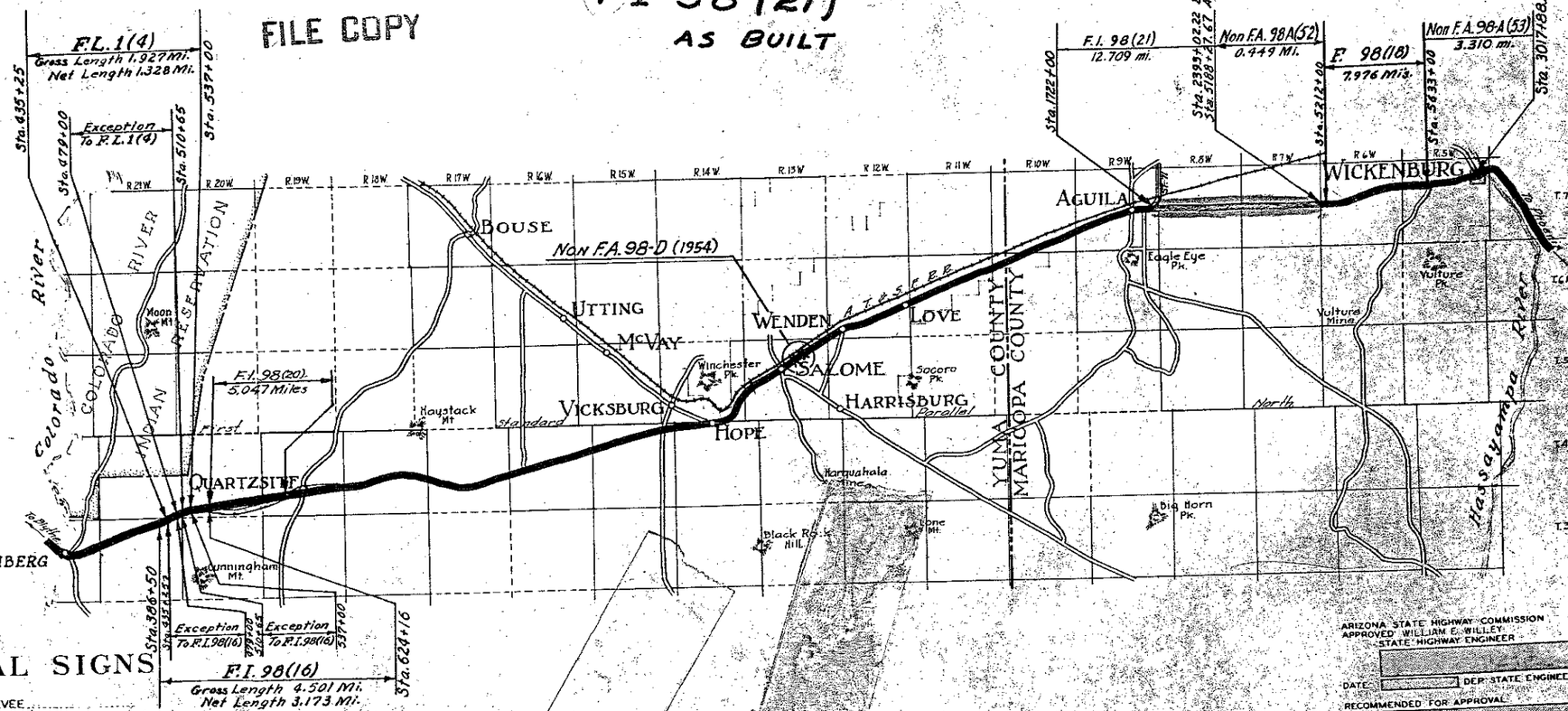
INDEX OF SHEET

TITLE PAGE	SHEET NO. 1	
INDEX PAGE	2	
DETAILS		TO
PLAN & PROFILE	3	11
BRIDGES	12	19
CROSS SECTIONS	20	60

PLANS DIVISION
JUL 28 1955
FILE COPY

PLANS DIVISION
JUL 28 1955
FILE COPY





CONVENTIONAL SIGNS

- STATE AND NATIONAL LINE
- COUNTY LINE
- CITY VILLAGE OR BOROUGH
- TOWNSHIP LINE
- SECTION LINE
- GRANT LINE
- FENCE LINE
- GUARD RAIL
- UNFENCED PROPERTY
- RIGHT OF WAY LINE
- TRAVELED WAY
- RAILROAD
- RETAINING WALL
- BASE OR SURVEY LINE
- ROAD TRAFFIC SIGNS
- LEVEE
- CULVERT
- DROP INLET
- TROLLEY POLE
- POWER POLE
- TELEPHONE AND TELEGRAPH POLES
- MARSH
- HEDGE
- BRIDGE
- GRADE LINE
- GROUND LINE
- SECTION CORNER (FOUND)
- R/W LINE MARKERS
- ROUNDING OF SLOPE INT.

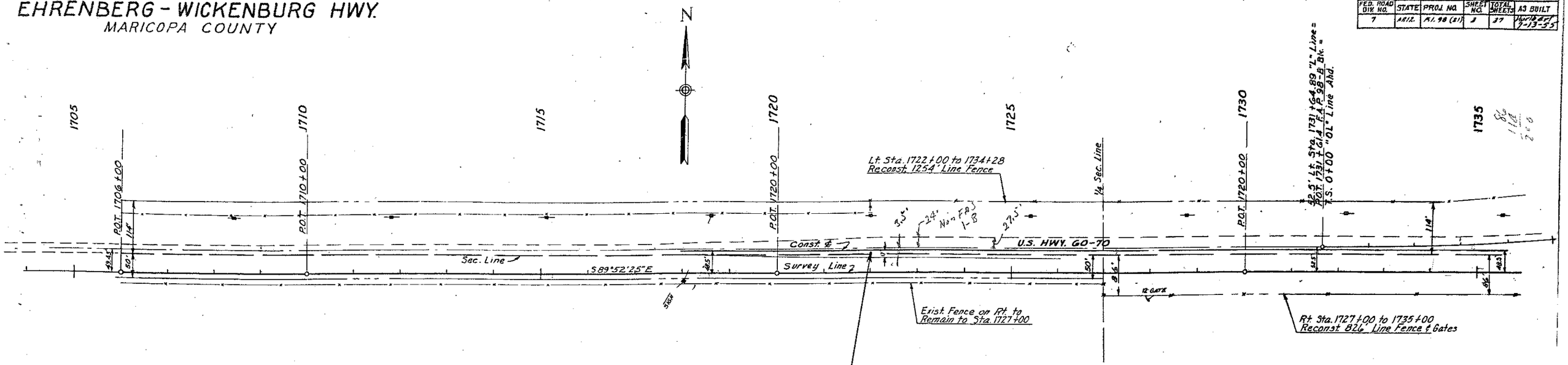
ARIZONA STATE HIGHWAY COMMISSION
APPROVED WILLIAM E. WILLEY
STATE HIGHWAY ENGINEER
DATE DEP. STATE ENGINEER
RECOMMENDED FOR APPROVAL
DATE DISTRICT ENGINEER
RECOMMENDED FOR APPROVAL
DATE BRIDGE ENGINEER
RECOMMENDED FOR APPROVAL
DATE ENGINEER OF PLANS

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED DATE
DISTRICT ENGINEER

DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

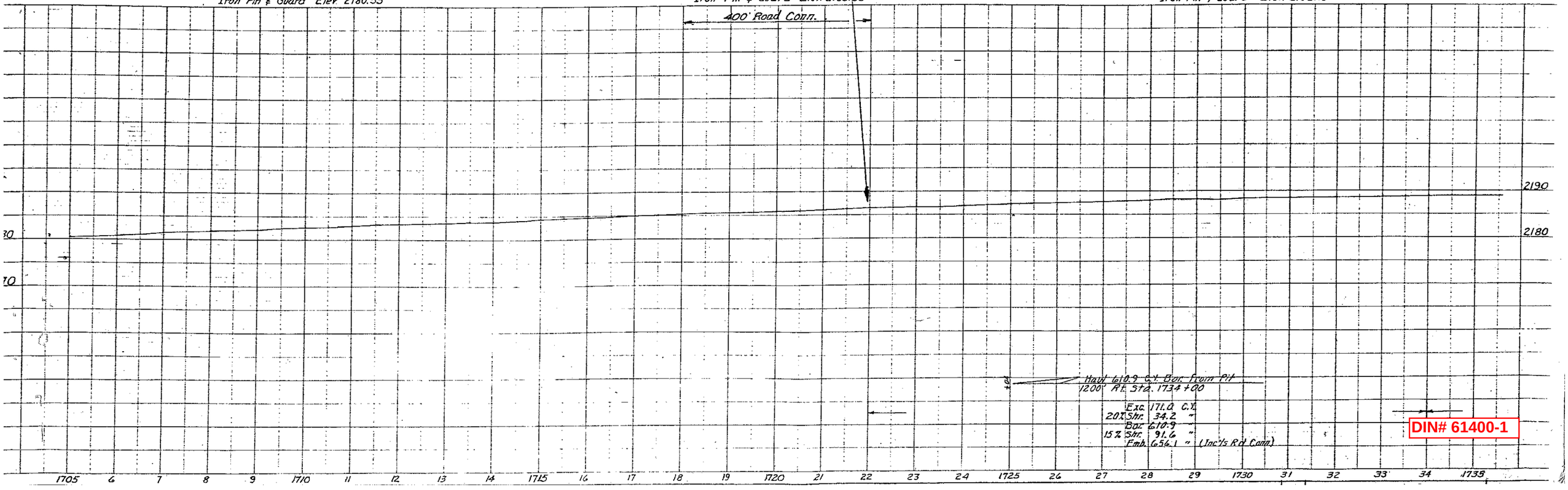
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	A.I. 98 (21)	3	37	Horiz. as of 7-13-55



B.M.# 171 - 100' Rt. Sta. 1710+00
Iron Pin & Guard Elev. 2180.55

B.M.# 172 - 100 Rt. Sta. 1720+00
Iron Pin & Guard Elev. 2183.85

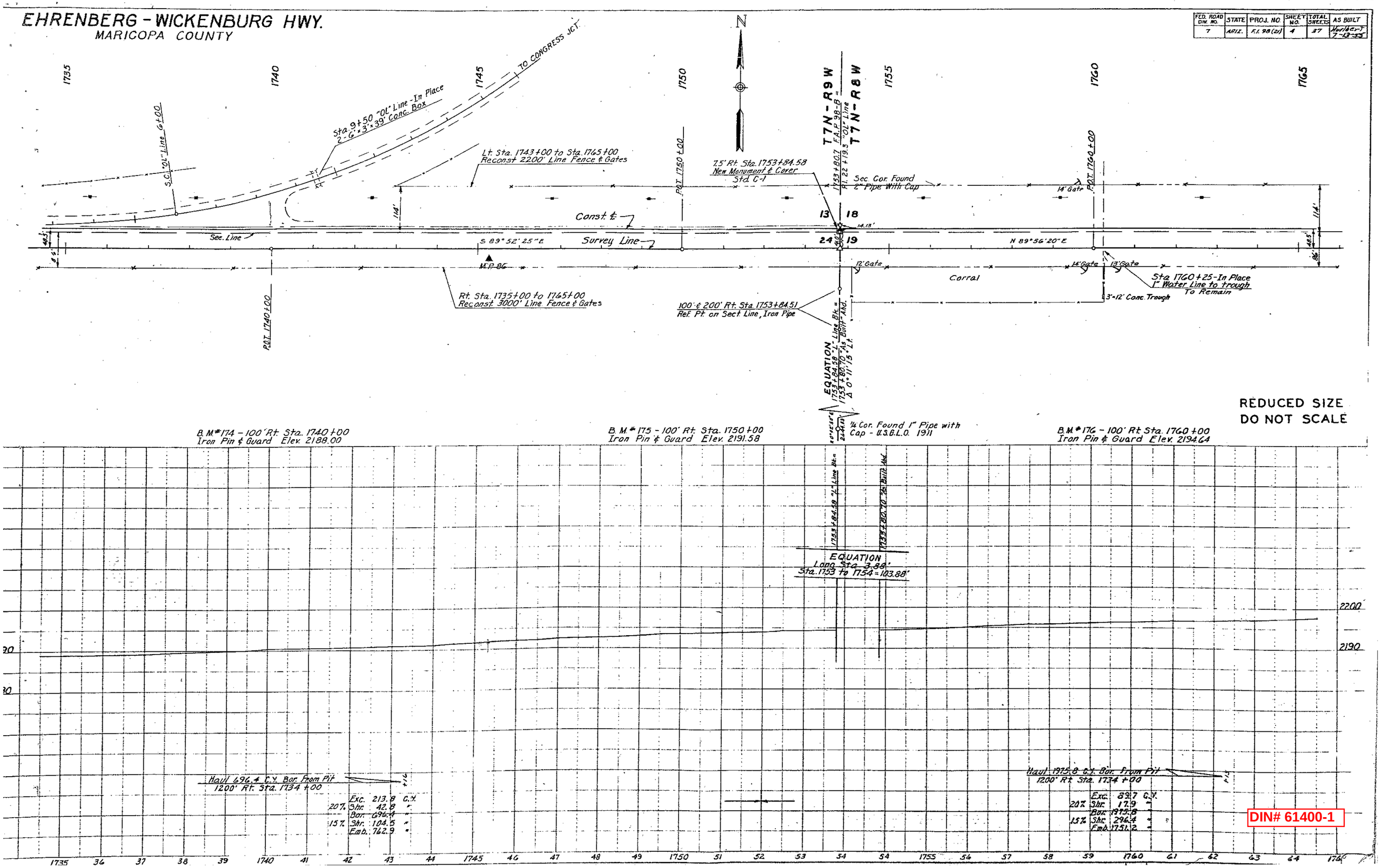
B.M.# 173 - 100' Rt. Sta. 1730+00
Iron Pin & Guard Elev. 2186.13



DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	4	37	Hurlbert 7-13-55

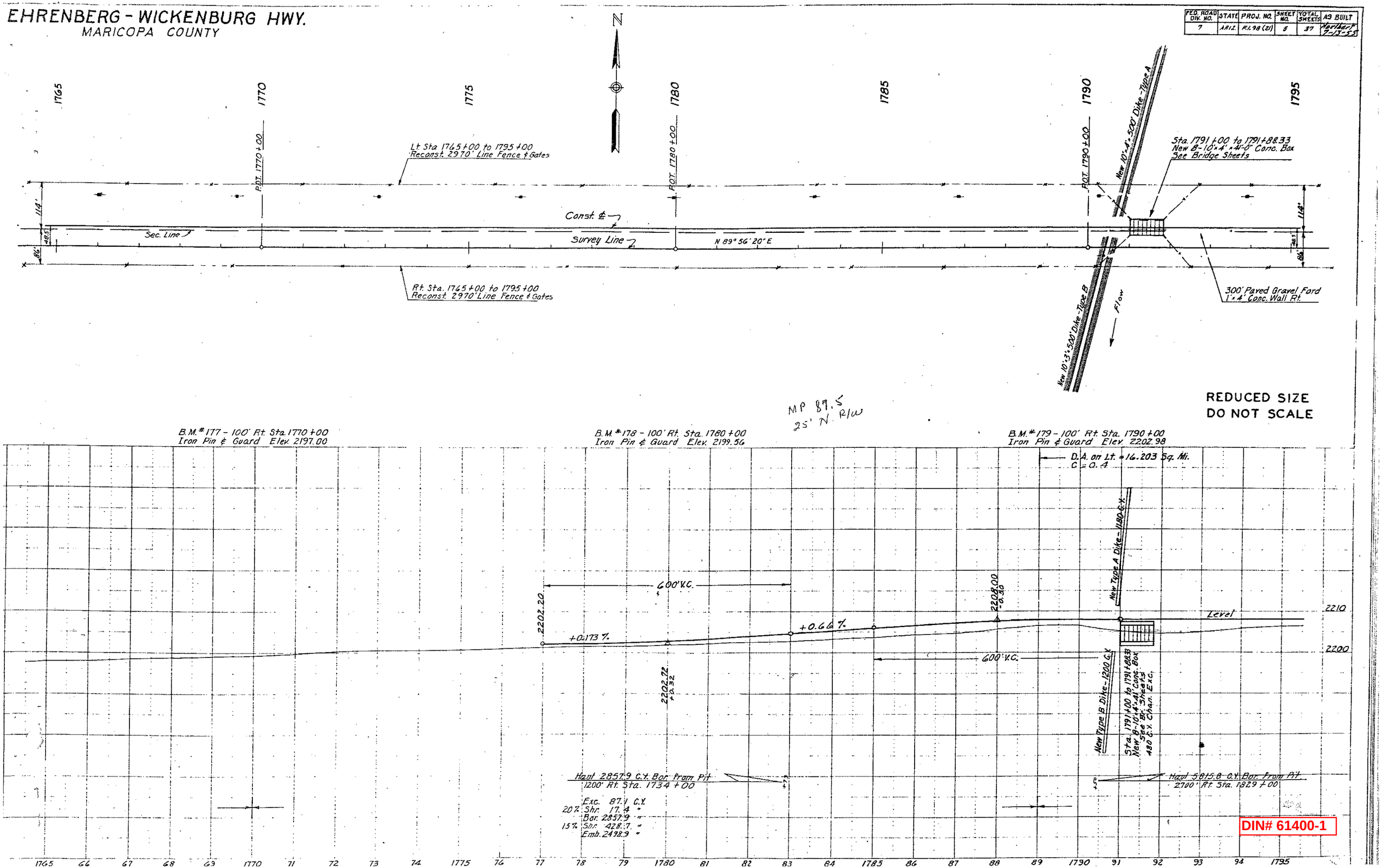


REDUCED SIZE
DO NOT SCALE

DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

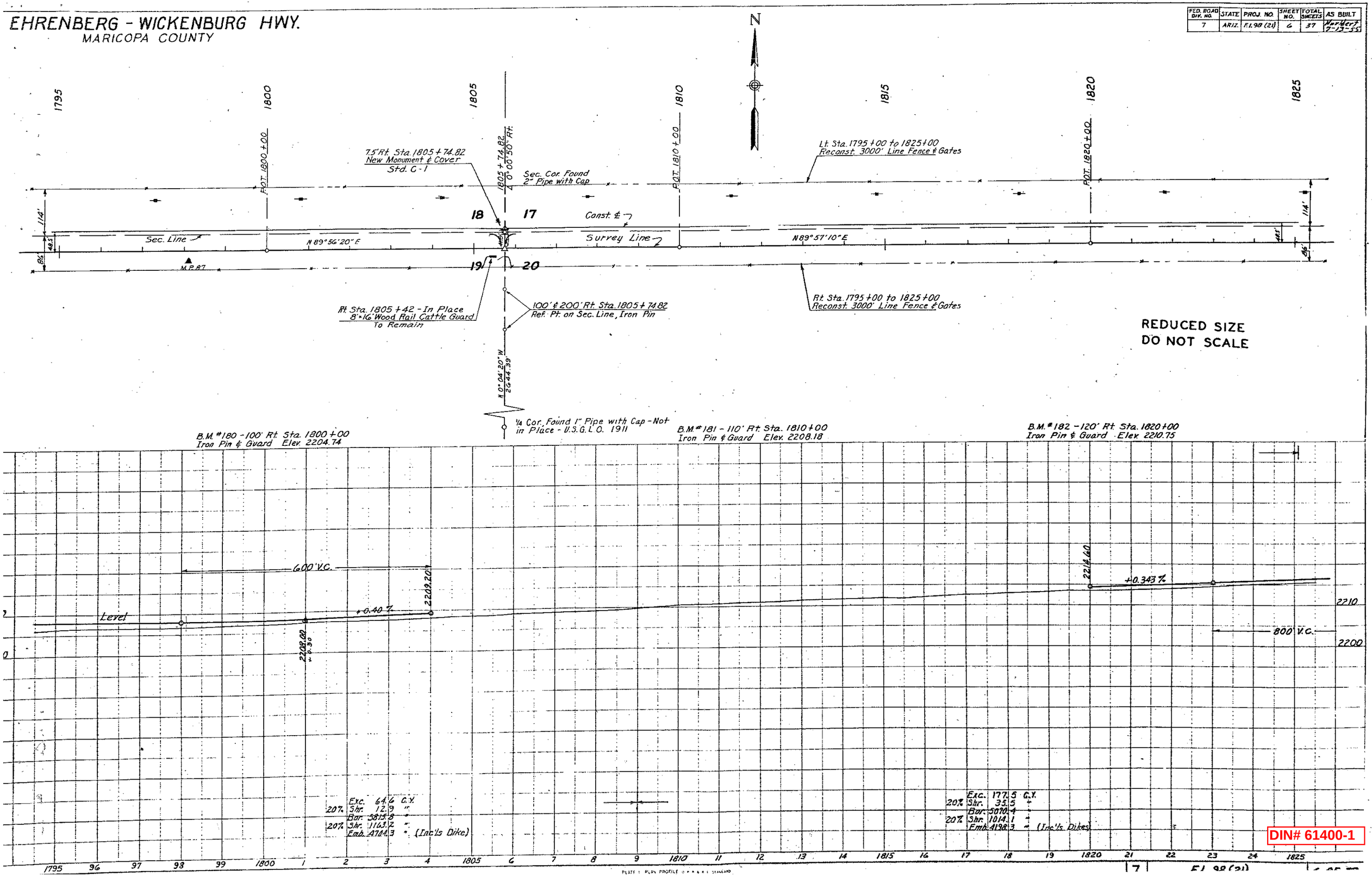
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	5	37	Northart 7-13-55



DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I.98 (21)	6	37	Nordert 7-13-55



REDUCED SIZE
DO NOT SCALE

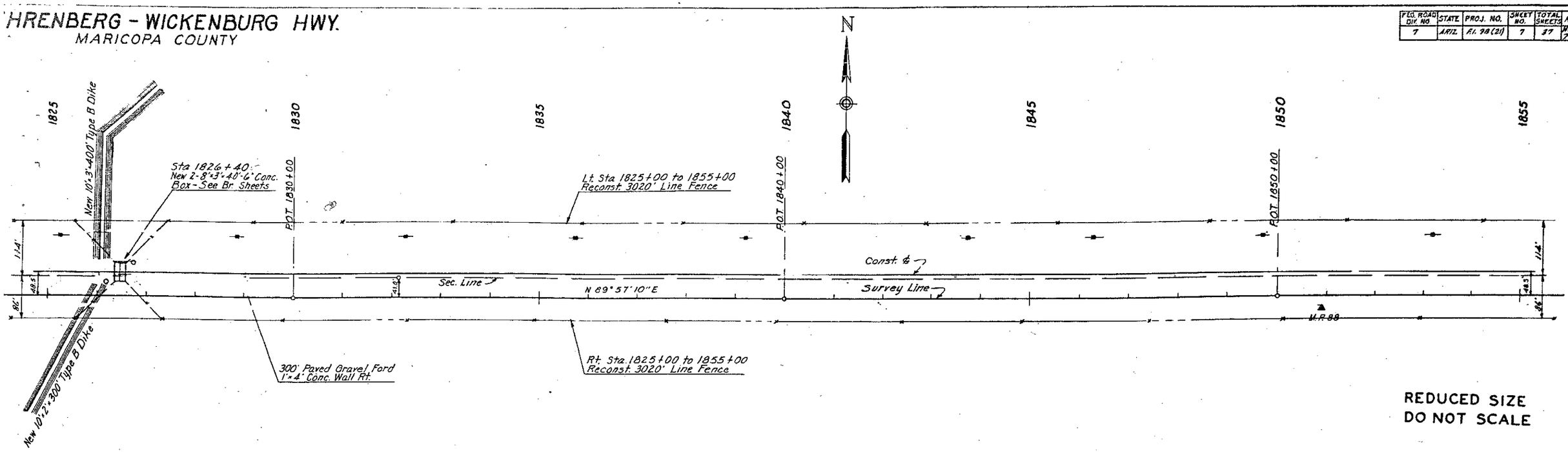
DIN# 61400-1

PLATE 1 PLAN PROFILE O.P.R.&R.E. STANDARD

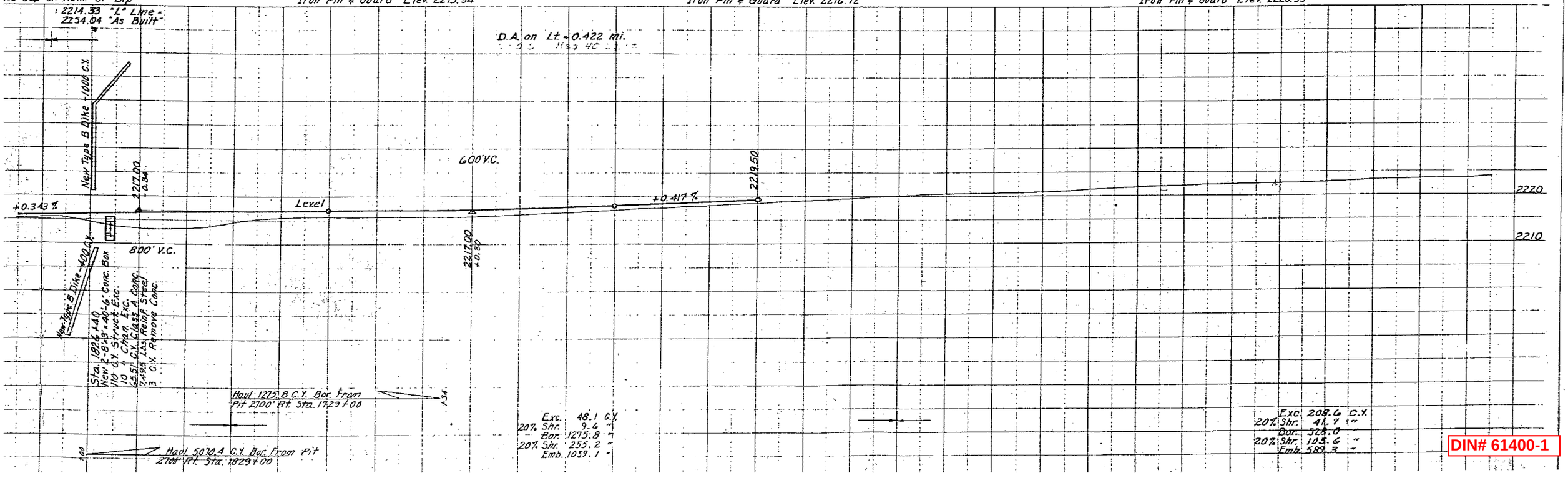
7 F.I. 98 (21)

HRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	7	37	Nurlbert 7-13-55



REDUCED SIZE
DO NOT SCALE



DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	8	37	Northcott 9-13-55

1855 1860 1865 1870 1875 1880 1885

Lt. Sta. 1855+00 to 1858+57.16
Reconst. 383' Line Fence

1858+57.16
0°00'25" Rt.

Sec. Cor. Found
2" Pipe with Cap

Exist. Fence on Lt. to Remain
Sta. 1858+57.16 to 2043+34

POT. 1870+00

POT. 1880+00

17 16 20 21

Const. ℄
Survey Line ℄
Sec. Line

N 89°57'10" E
N 89°57'35" E

114'
64'
48.5'
41.0'
86'
64'
48.5'
86'

7.5' Rt. Sta. 1858+57.16
New Monument & Cover
Std. C-1

100' & 200' Rt. Sta. 1858+57.16
Ref. Pt. on Sec. Line, Iron Pin

N 0°01'45" W
2624.73'

Rt. Sta. 1855+00 to 1885+00
Reconst. 3000' Line Fence

REDUCED SIZE
DO NOT SCALE

¼ Cor. Found - 1" Pipe with
Cap - U.S.G.L.O. 1911

B.M.#186 - 100' Rt. Sta. 1860+00
Iron Pin & Guard Elev. 2224.14

B.M.#187 - 110' Rt. Sta. 1870+00
Iron Pin & Guard Elev. 2226.50

B.M.#188 - 110' Rt. Sta. 1880+00
Iron Pin & Guard Elev. 2228.87

2226.40
+0.30%
2228.50
2231.61
+0.31%
+0.70%
800' V.C.
2232.85
+0.59
2230
2220

Haul 528.0 C.Y. Bor. From
Pit 400' Rt. Sta. 1880+00

Haul 1282.0 C.Y. Bor. From
Pit 400' Rt. Sta. 1880+00

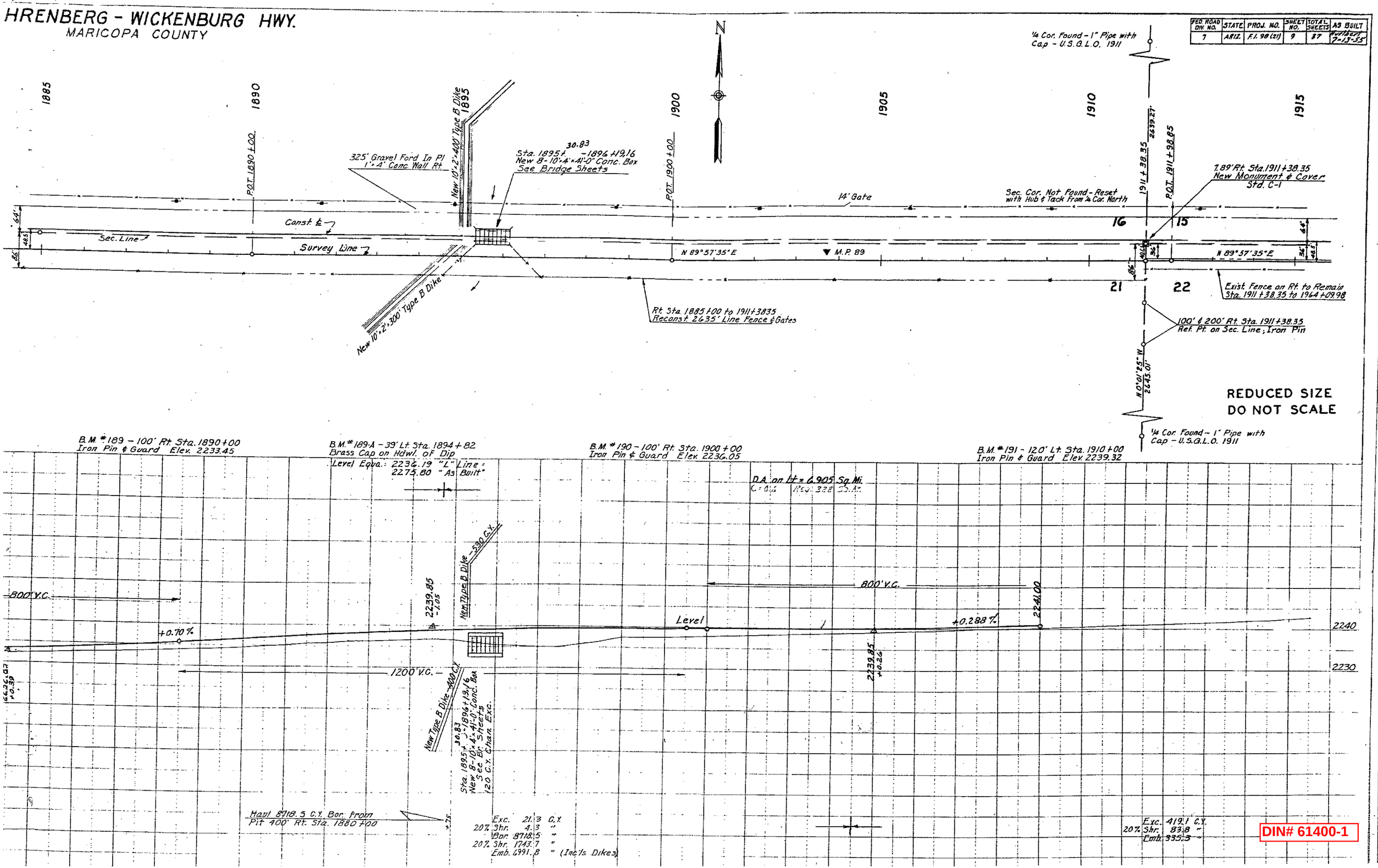
Exc. 145.8 C.Y.
20% Shr. 29.2 "
Bor. 1282.0 "
20% Shr. 256.4 "
Emb. 1142.2 "

1855 56 57 58 59 1860 61 62 63 64 1865 66 67 68 69 1870 71 72 73 74 1875 76 77 78 79 1880 81 82 83 84 1885

DIN# 61400-1

HRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	9	37	Nurbert 7-13-55

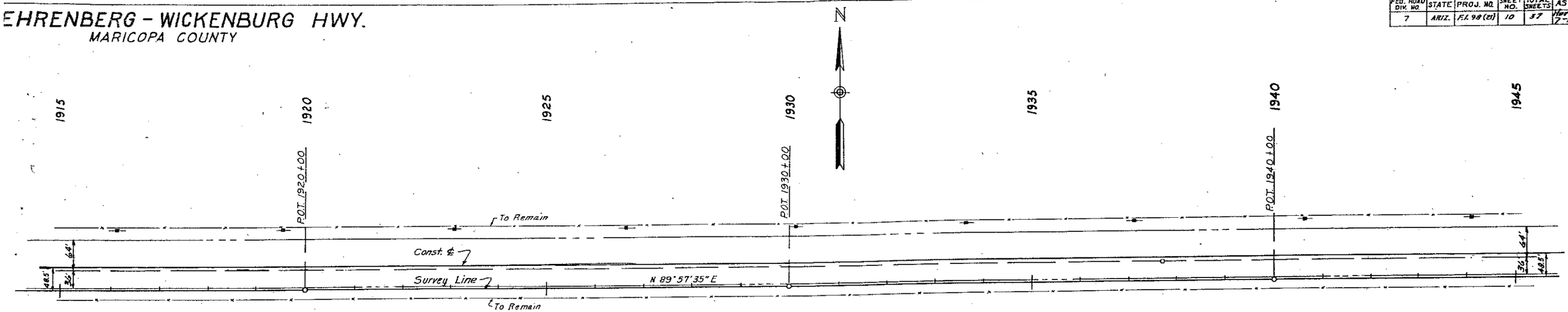


DIN# 61400-1

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	10	37	Herlocker 7-13-55

EHRENBERG - WICKENBURG HWY.

MARICOPA COUNTY



B.M.# 192 - 120' Lt. Sta. 1920+00
Iron Pin & Guard Elev. 2243.49

B.M.# 193 - 120' Lt. Sta. 1930+00
Iron Pin & Guard Elev. 2248.91

B.M.# 194 - 120' Lt. Sta. 1940+00
Iron Pin & Guard Elev. 2253.99

2260
2250
2240

Haul 647.6 C.Y. Bor. From
Pit 600' Rt. Sta. 1961+00

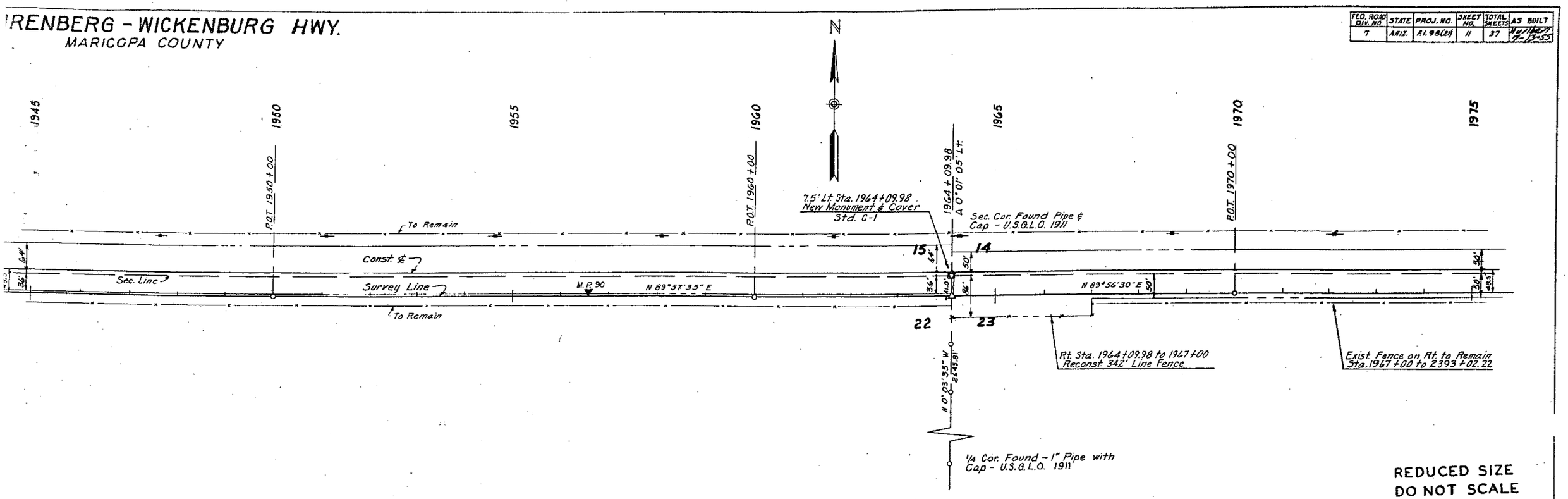
Exc. 242.7 C.Y.
20% Shr. 48.5
Bor. 647.6
15% Shr. 97.1
Emb. 744.7

REDUCED SIZE
DO NOT SCALE

DIN# 61400-1

RENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	11	37	Modified F-13-55

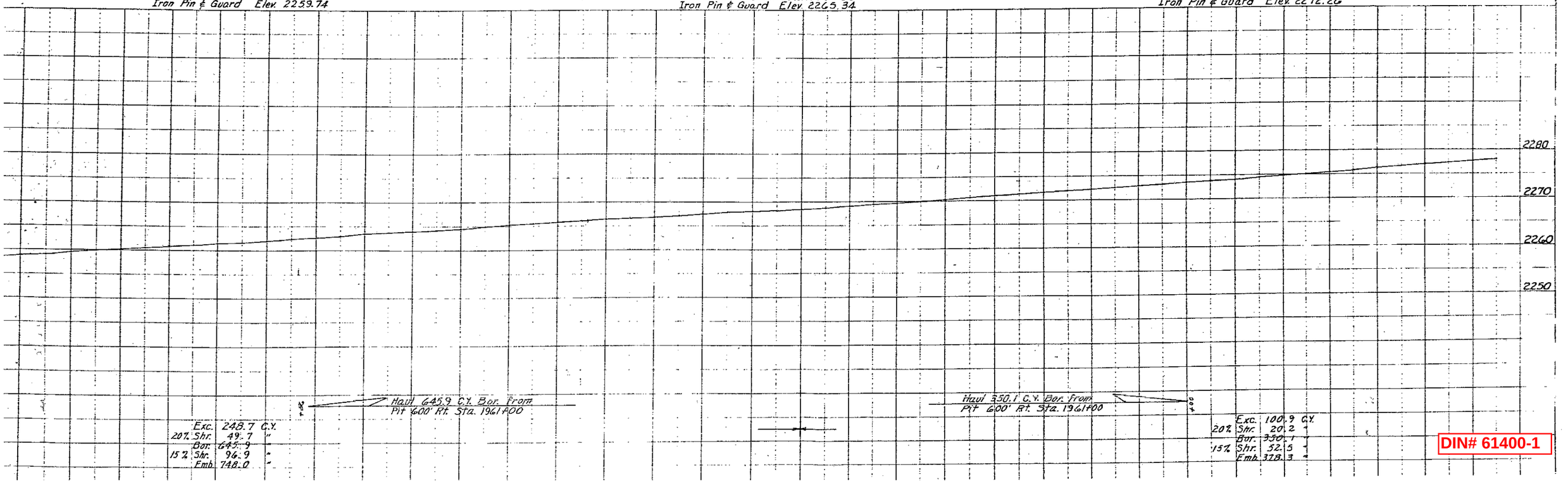


REDUCED SIZE
DO NOT SCALE

B.M.# 195 - 120' Lt. Sta. 1950+00
Iron Pin & Guard Elev. 2259.74

B.M.# 196 - 125' Lt. Sta. 1960+00
Iron Pin & Guard Elev. 2265.34

B.M.# 197 - 125' Lt. Sta. 1970+00
Iron Pin & Guard Elev. 2272.26



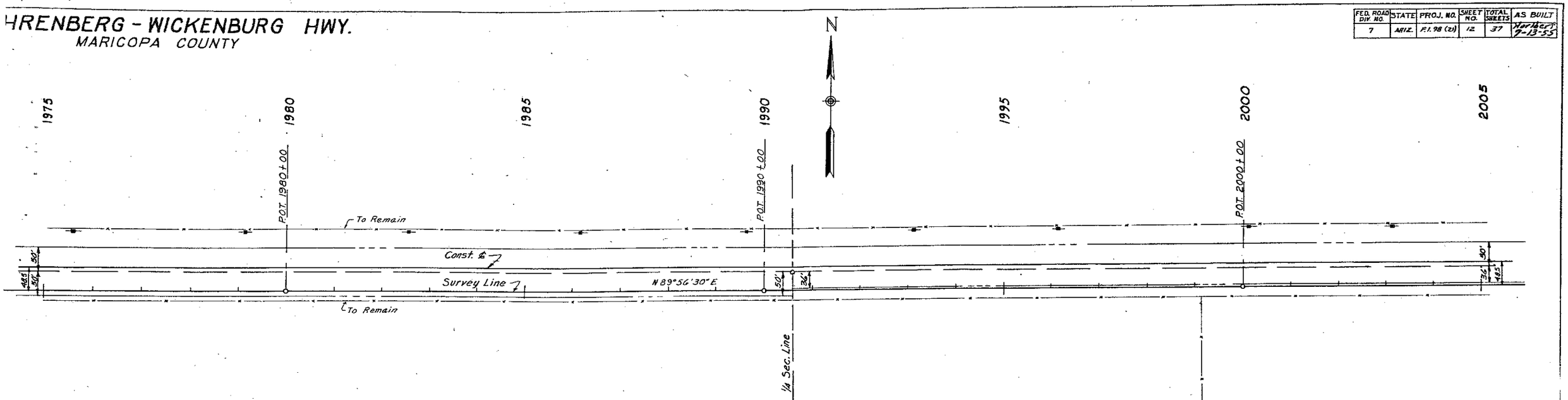
Exc. 248.7 C.Y.
20% Shr. 49.7 "
Bor. 645.9 "
15% Shr. 96.9 "
Emb. 748.0 "

Exc. 100.9 C.Y.
20% Shr. 20.2 "
Bor. 350.1 "
15% Shr. 52.5 "
Emb. 378.3 "

DIN# 61400-1

HRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	12	37	Norther 7-13-55

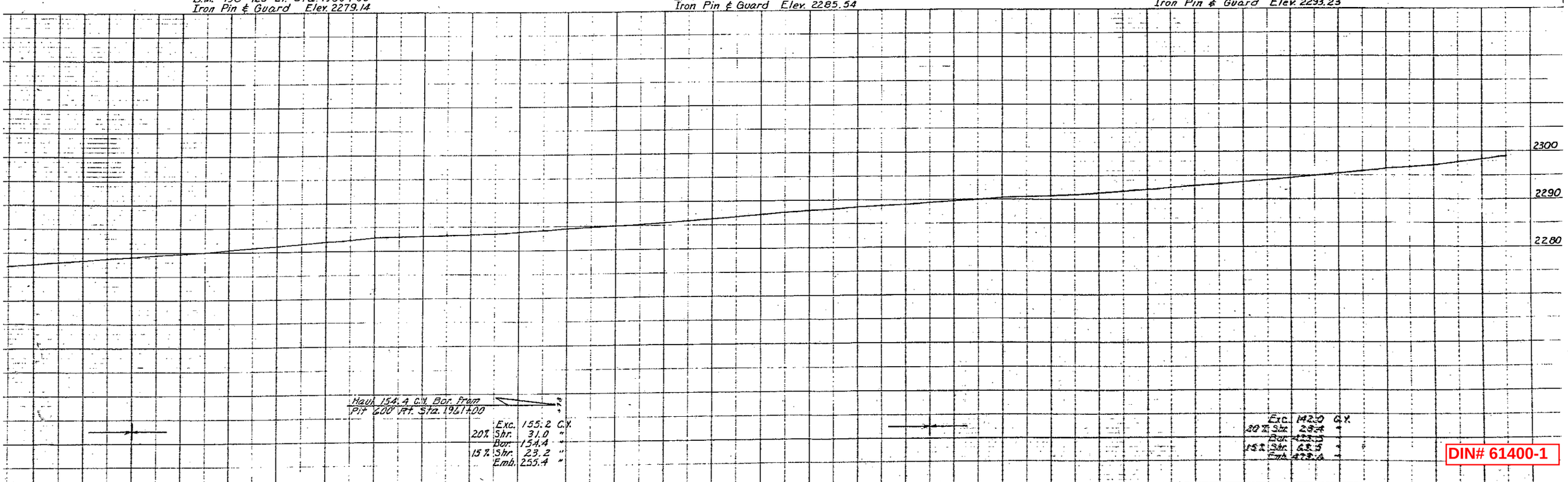


REDUCED SIZE
DO NOT SCALE

B.M.# 198 - 125' Lt. Sta. 1980+00
Iron Pin & Guard Elev. 2279.14

B.M.# 199 - 125' Lt. Sta. 1990+00
Iron Pin & Guard Elev. 2285.54

B.M.# 200 - 125' Lt. Sta. 2000+00
Iron Pin & Guard Elev. 2293.23



Haul 154.4 C.Y. Bor. From
Pit 600' Rt. Sta. 1961+00

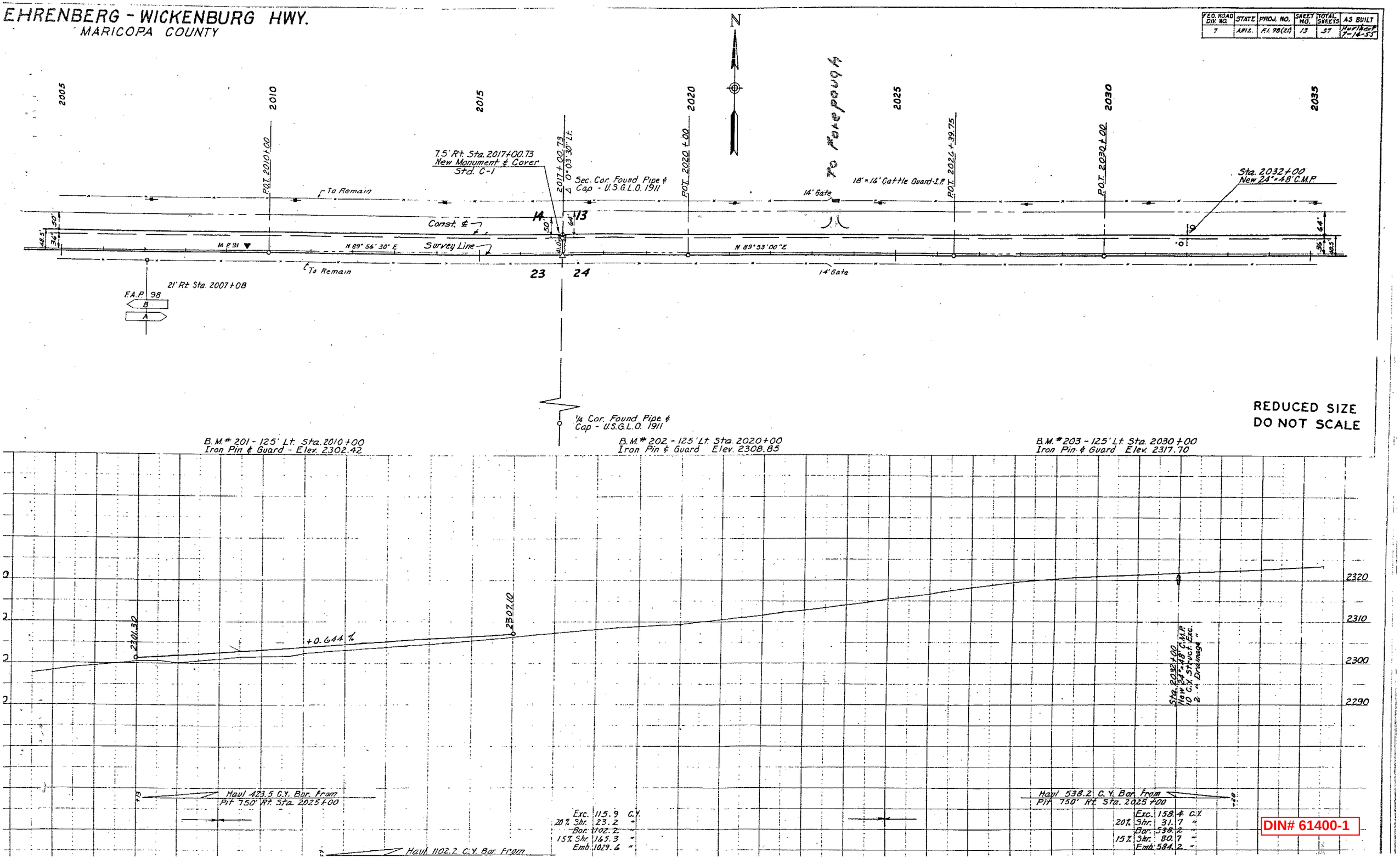
	Exc.	155.2 C.Y.
20%	Shr.	31.0 "
	Bor.	154.4 "
15%	Shr.	23.2 "
	Emb.	255.4 "

	Exc.	142.0 C.Y.
20%	Shr.	28.4 "
	Bor.	423.6 "
15%	Shr.	63.5 "
	Emb.	423.6 "

DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	13	37	Hurlbert 7-14-55

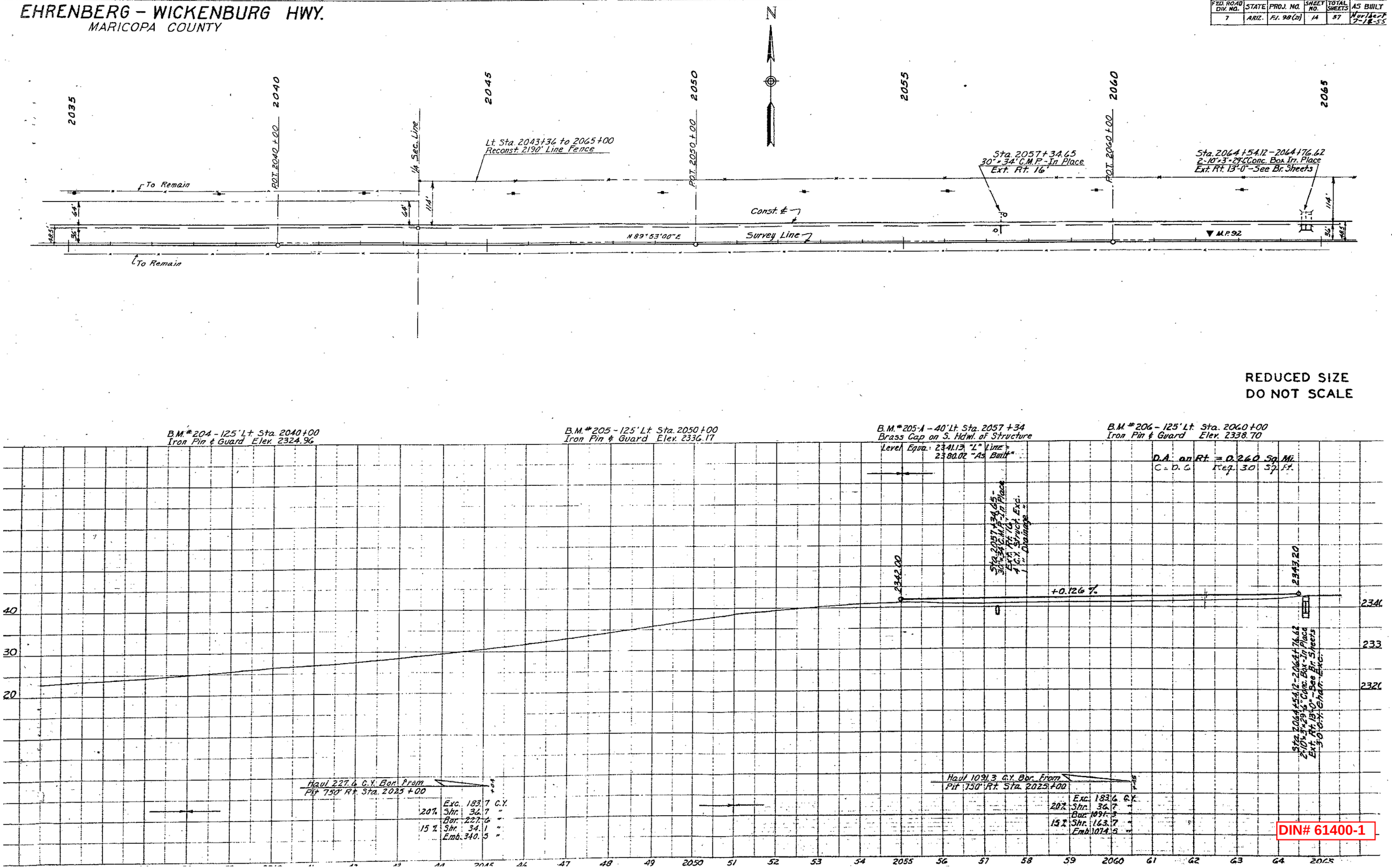


REDUCED SIZE
DO NOT SCALE

DIN# 61400-1

EHRENBERG – WICKENBURG HWY.
MARICOPA COUNTY

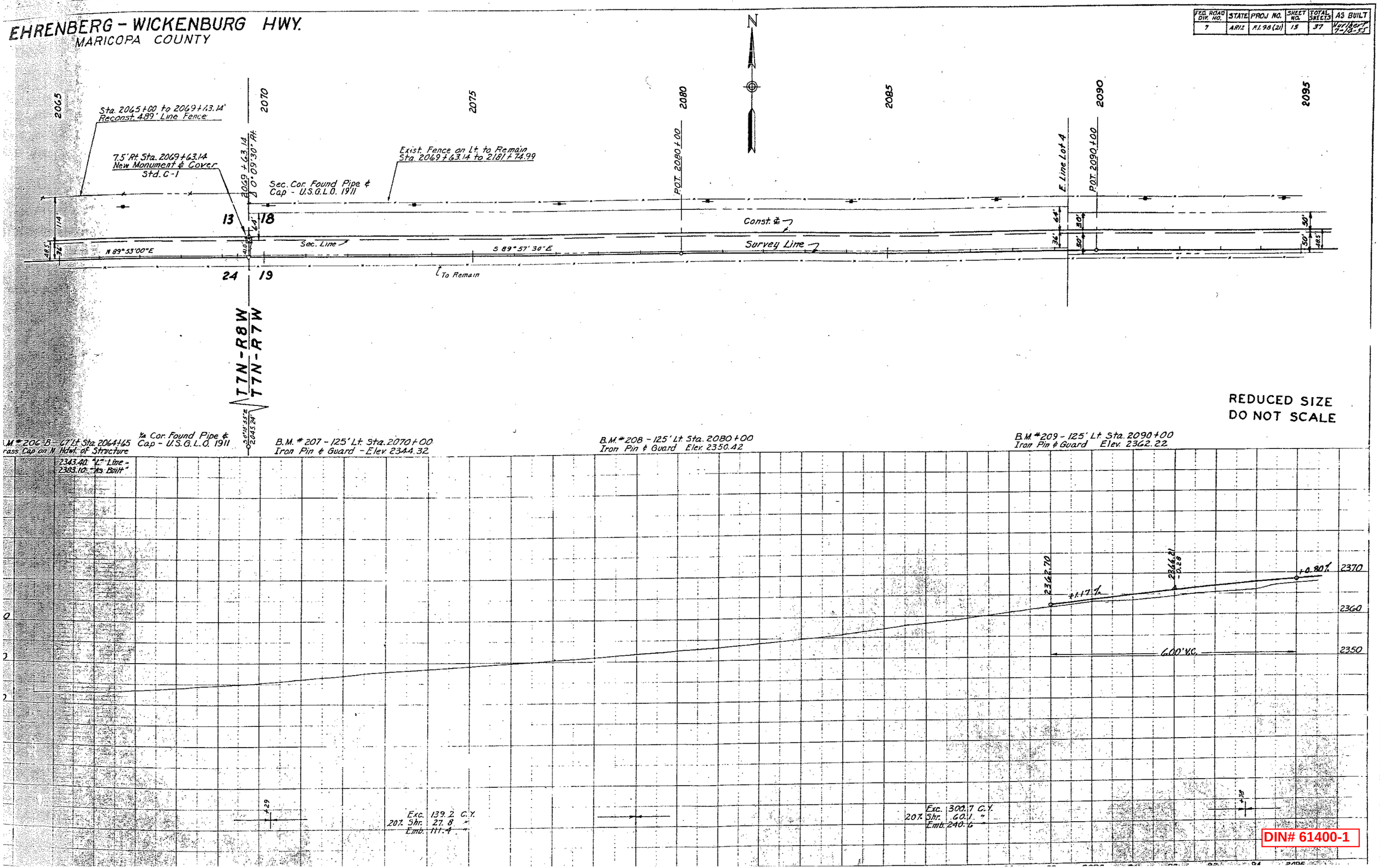
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	14	37	Hurlbert 7-18-55



DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ	R.I. 98 (21)	15	37	Hurlbert 7-14-55



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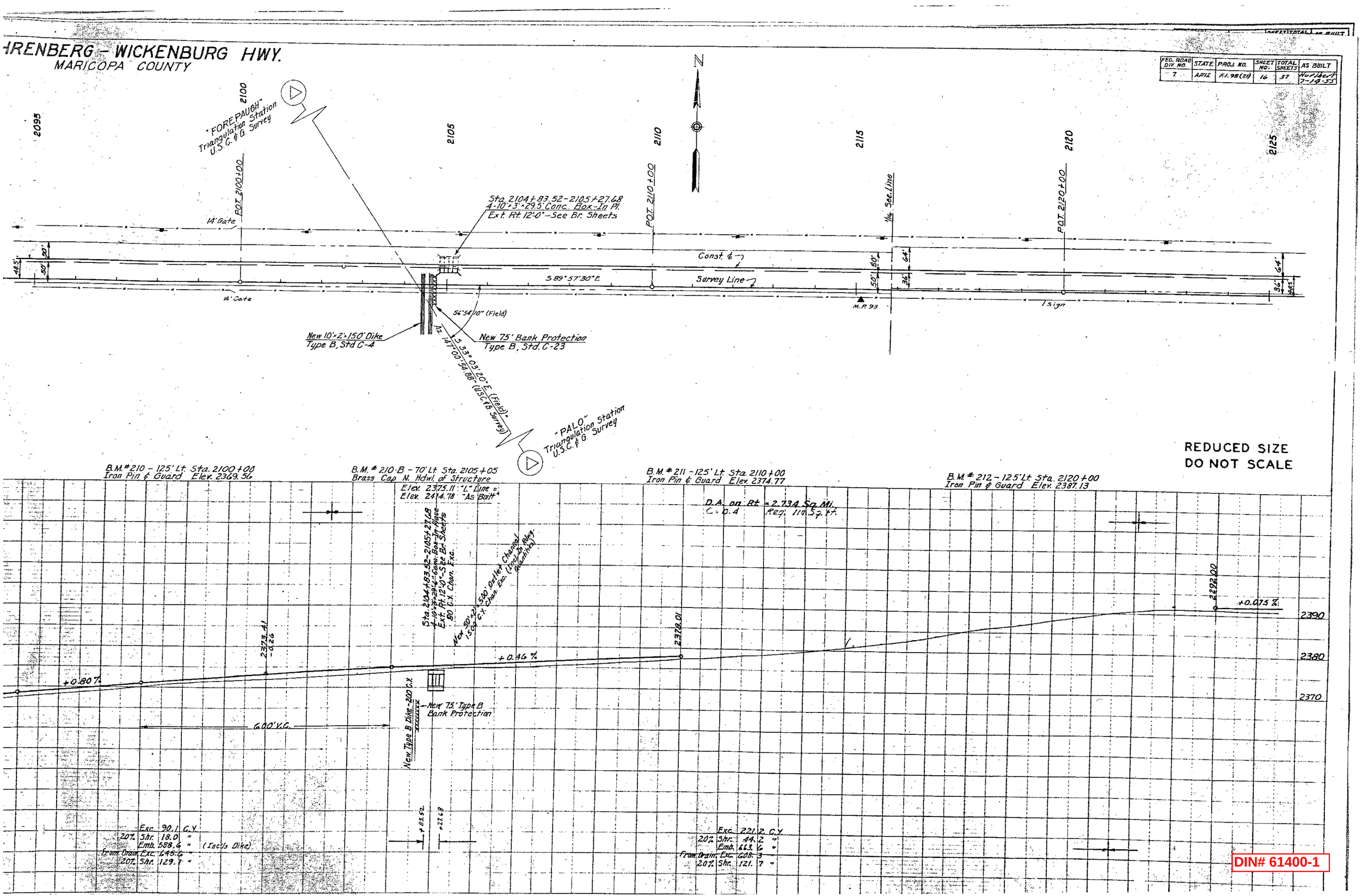
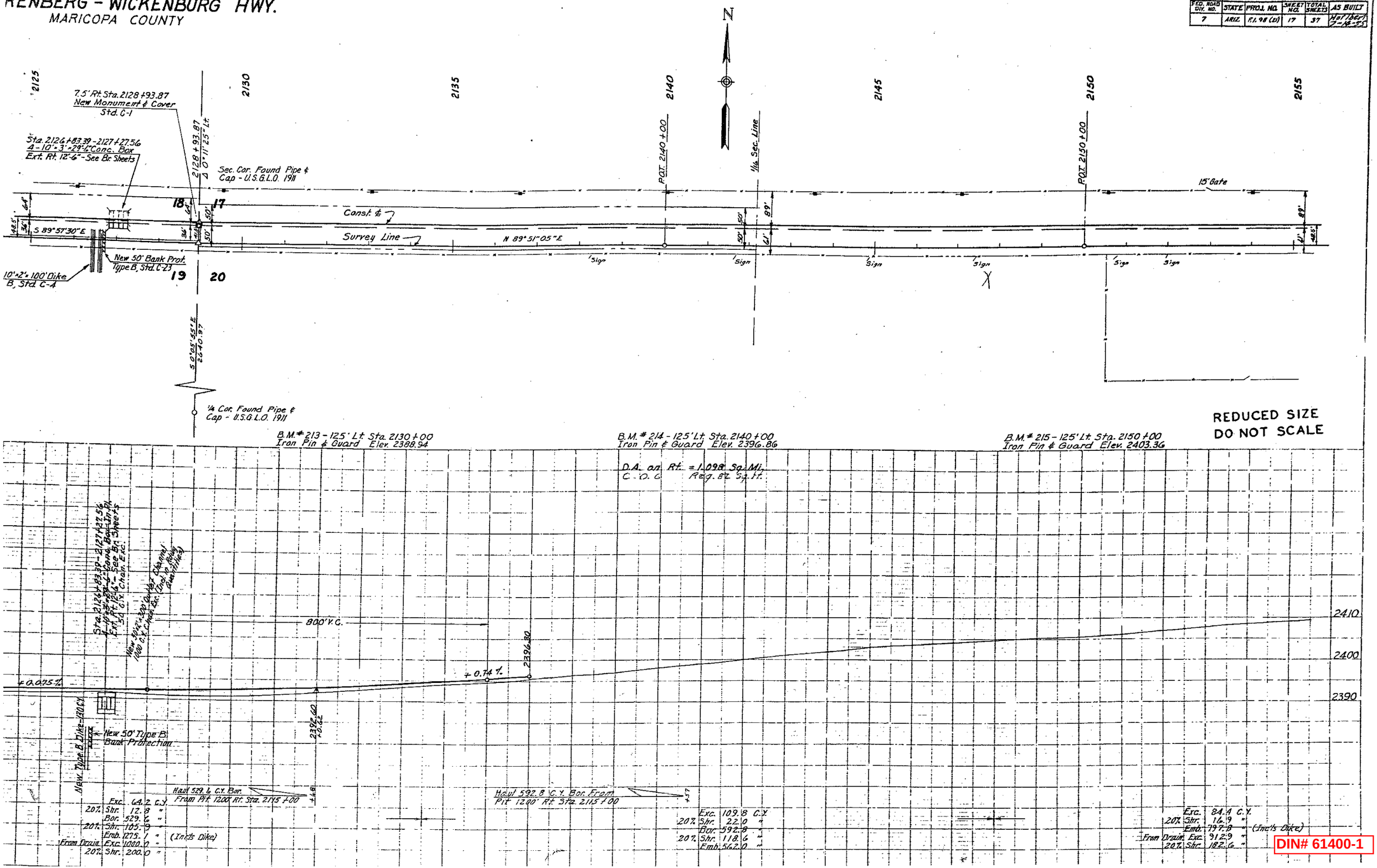


HRENBERG - WICKENBURG HWY.
MARICOPA COUNTY
FED. ROAD DIV. NO. 7
STATE ARIZ
PROJ. NO. F.I. 98(21)
SHEET NO. 16
TOTAL SHEETS 37
AS BUILT Hurlbert 7-14-55
N
2095
2100
2105
2110
2115
2120
2125
"FOREPAUGH" Triangulation Station U.S.C. & G. Survey
P.O.T. 2100+00
P.O.T. 2110+00
P.O.T. 2120+00
1/16 Sec. Line
14' Gate
Sta. 2104+83.52-2105+27.68
4-10'x3'x29.5' Conc. Box-In Pl.
Ext. Rt. 12'-0"-See Br. Sheets
Const. ℄
Survey Line
S 89°57'30" E
M.P. 93
1 Sign
56°54'10" (Field)
New 10'x2'x150' Dike
Type B, Std C-4
New 75' Bank Protection
Type B, Std. C-23
S 33°03'20" E (Field)
Az. 147°00'54.88" (U.S.C.&G. Survey)
"PALO" Triangulation Station U.S.C. & G. Survey
REDUCED SIZE
DO NOT SCALE
B.M. #210 - 125' Lt. Sta. 2100+00
Iron Pin & Guard Elev. 2369.56
B.M. #210-B - 70' Lt. Sta. 2105+05
Brass Cap N. Hdwl. of Structure
Elev. 2375.11 "L" Line =
Elev. 2414.78 "As Built"
B.M. #211 - 125' Lt. Sta. 2110+00
Iron Pin & Guard Elev. 2374.77
B.M. #212 - 125' Lt. Sta. 2120+00
Iron Pin & Guard Elev. 2387.13
D.A. on Rt. = 2.734 Sq. Mi.
C = 0.4 Req. 110 Sq. Ft.
Sta. 2104+83.52-2105+27.68
4-10'x3'x29'-6" Conc. Box-In Place
Ext. Rt. 12'-0"-See Br. Sheets
80 C.Y. Chan. Exc.
New 50'x2'x500' Outlet Channel
1500 C.Y. Chan. Exc. (Incl. In Rdwy. Quantities)
2373.41
-0.26
2378.01
2292.00
+0.80%
+0.46%
+0.075%
2390
2380
2370
600' V.C.
New Type B Dike - 200 C.Y.
New 75' Type B Bank Protection
+83.52
+27.68
Exc. 90.1 C.Y.
20% Shr. 18.0 "
Emb. 588.6 " (Incl's Dike)
From Drain Exc. 645.6 "
20% Shr. 129.1 "
Exc. 221.2 C.Y.
20% Shr. 44.2 "
Emb. 663.6 "
From Drain Exc. 608.3 "
20% Shr. 121.7 "

DIN# 61400-1

RENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	17	37	Hoffbert 7-14-55



REDUCED SIZE
DO NOT SCALE

DIN# 61400-1

HRENBERG – WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	18	37	Harbert 7-13-55

N

2155 2160 2165 2170 2175 2180 2185

Sta. 2157+44.08–2158+09.91
C – 10'-4" × 7'-4" Conc. Box-In Pl.
Ext. Rt. 11'-9" – See Br. Sheets

POT. 2160+00

Sta. 2165+80–2166+13.33
New 3–10'-4" × 41'-0" Conc. Box – See Br. Sheets

POT. 2170+00

POT. 2180+00

Sta. 2182+08 to 2185+00
Reconst. 292' Line Fence

Paved Rd.

15' Gate

Const. ℄
Survey Line
N 89°51'05" E
N 89°57'40" E
93°59'20"
M.P. 94
Sign
Sign
Sepr. Line

89'
61'
44.5'
13.6' Gate
200'
48.5'

B.G. Gate
Fr. Garage
Cabins
Frame & Rock Res. & Cafe
2 Pumps
Cabins
FOREPAUGH ?

17 16
21 20
21 81+74.99
40°06'33" Rt.
30' R
30' R
Sec. Cor. Fd. Pipe & Cap – U.S.G.L.O. 1911

Fr. House
Frame House
Shed
7.5' Rt. Sta. 2181+74.99
New Monument & Cover
Std. C-1

8' Cattle Guard
10' Gate

New 75' Bank Protection
Type B, Std. C-23

New 10'×3'×150' Dike
Type B, Std. C-4

New 80' Bank Protection
Type B, Std. C-23

New 10'×3'×80' Dike
Type B, Std. C-4

U.S.C. & G. Az. Marker
PALO 1948

19.34'
180.66'
R.P.
200.00'
R.P.

S 0°05'40" E
2642.16

¼ Cor. Found Pipe & Cap – U.S.G.L.O. 1911

REDUCED SIZE
DO NOT SCALE

B.M. # 215-B – 70' Lt Sta. 2157+77
Brass Cap N. Hdwl. of Structure
"L" 2410.72 "L" Line = L 2410.53 "As Built"

B.M. # 216 – 125' Lt Sta. 2160+00
Iron Pin & Guard Elev. 2407.67

B.M. # 217 – 125' Lt Sta. 2170+00
Iron Pin & Guard Elev. 2413.62

B.M. # 218 – 100' Rt Sta. 2180+00
Iron Pin & Guard Elev. 2422.39

D.A. on Rt = 8.079 Sq. Mi.
C = 0.6 Req. 345 Sq. Ft.

Lt. Sta. 2181+90
New 30"×30" M.B.S. Turnout

2430
2420
2410

2410.50

Sta. 2157+44.08–2158+09.91
C – 10'-4" × 7'-4" Conc. Box-In Pl.
Ext. Rt. 11'-9" – See Br. Sheets
Sta. 2157+77 "L" Line
Elev. 2410.72
Elev. 2410.53 "As Built"
70.72 – 500% Chan. Excav.
Sta. 2158+09.91
Elev. 2408.89
Elev. 2408.68
1160 C.Y. Chan. Exc.

70.72 – 500% Chan. Excavation (Including Ditch & Ramp Quantities)
1160 C.Y. Chan. Exc. (Incl. Ditch & Ramp Quantities)

Sta. 2165+80–2166+13.33
New 3–10'-4" × 41'-0" Conc. Box – See Br. Sheets
See Bridge Sheets
30 C.Y. Chan. Exc.

+0.535%

New Type B Dike – 3'×4' C.Y. Concrete
New Type B – 75' Bank Protection
New Type B Dike – 2'×6' C.Y. Concrete
New 80' Type B Bank Protection

Haul 5972.7 C.Y. Bor. From Pit 600' Rt. Sta. 2187+00

Haul 613.5 C.Y. Bor. From Pit 600' Rt. Sta. 2187+00

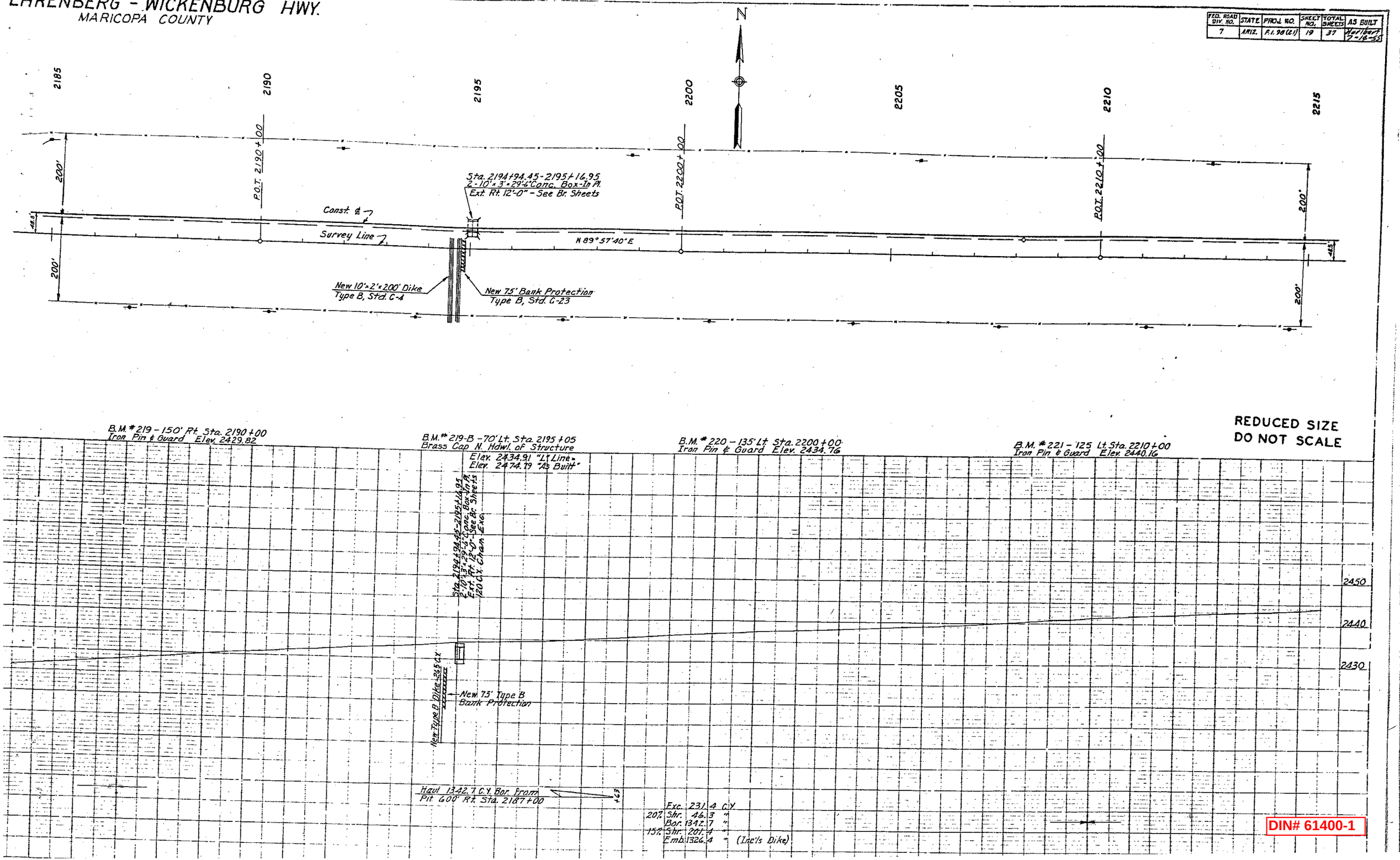
Exc.	C.Y.
Bor.	6474.1 "
15% Shr.	971.1 "
Emb.	5972.7 " (Incls. Dike)
From Drain. Exc.	587.1 "
20% Shr.	117.4 "

Exc.	86.7 C.Y.
20% Shr.	17.3 "
Bor.	613.5 "
15% Shr.	92.0 "
Emb.	590.9 "

DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

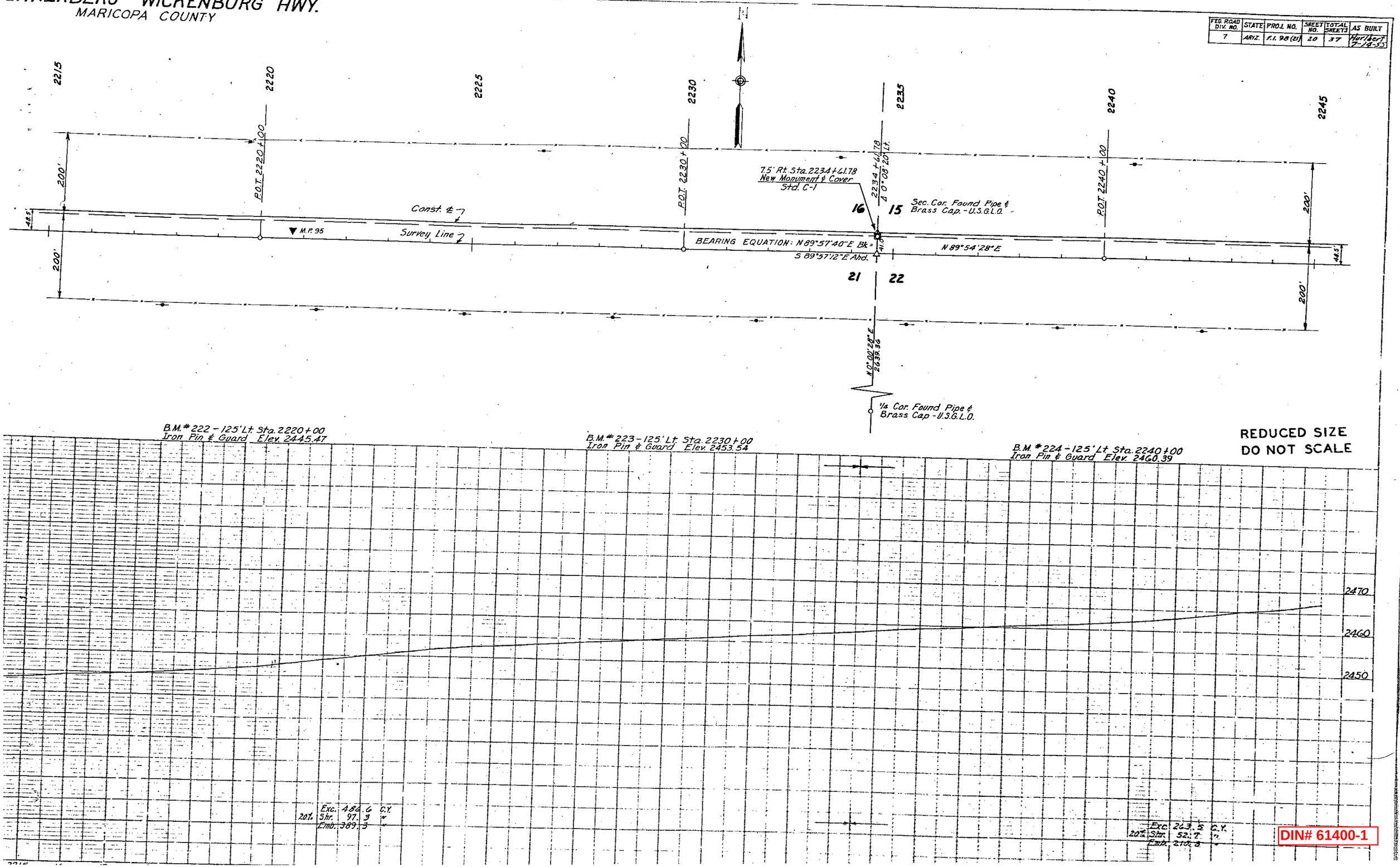
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	19	37	Hurlbert 7-18-55



DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	20	37	Hurlbert 7-14-55

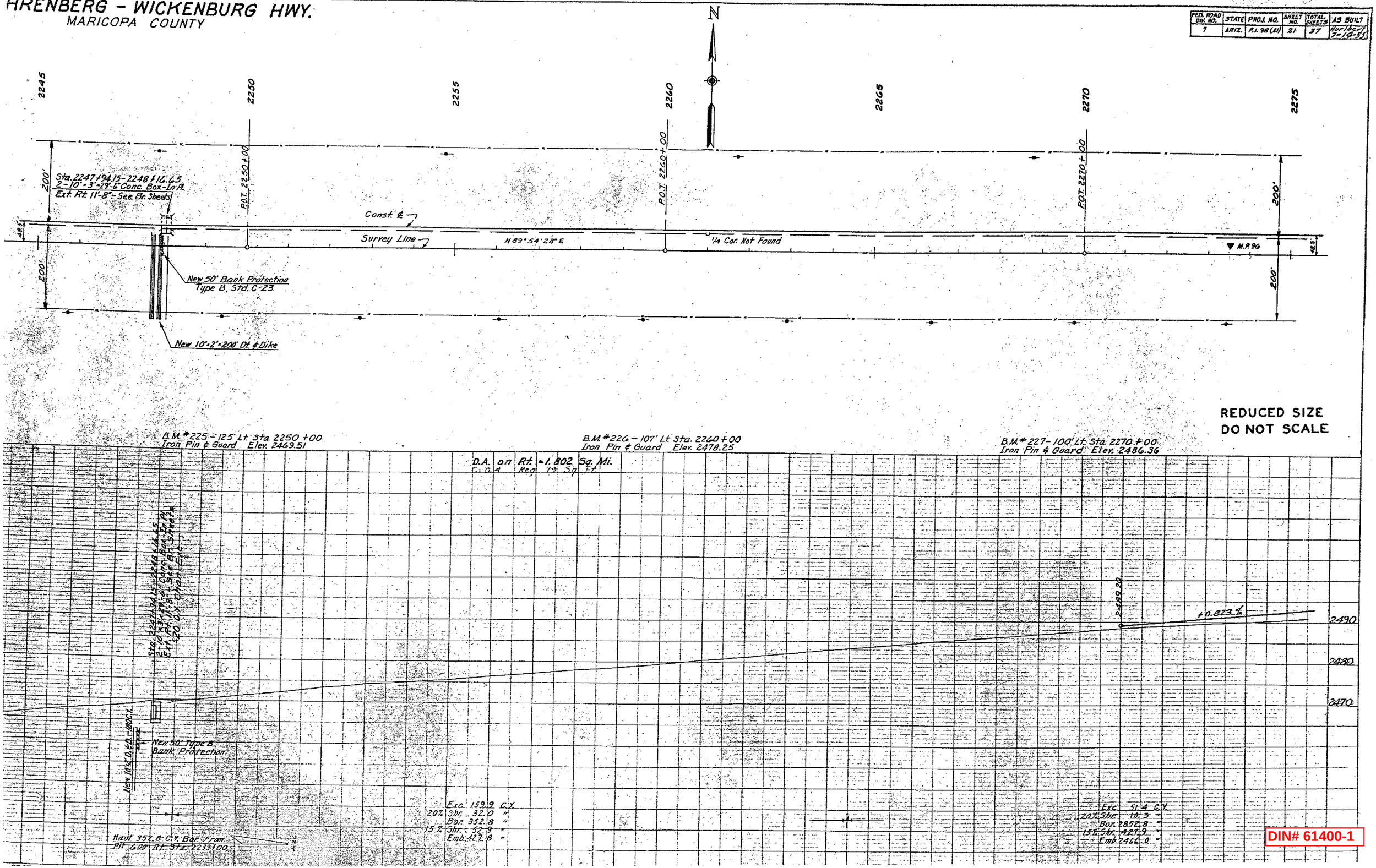


REDUCED SIZE
DO NOT SCALE

DIN# 61400-1

HRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98 (21)	21	37	Hurlbert 7-14-55

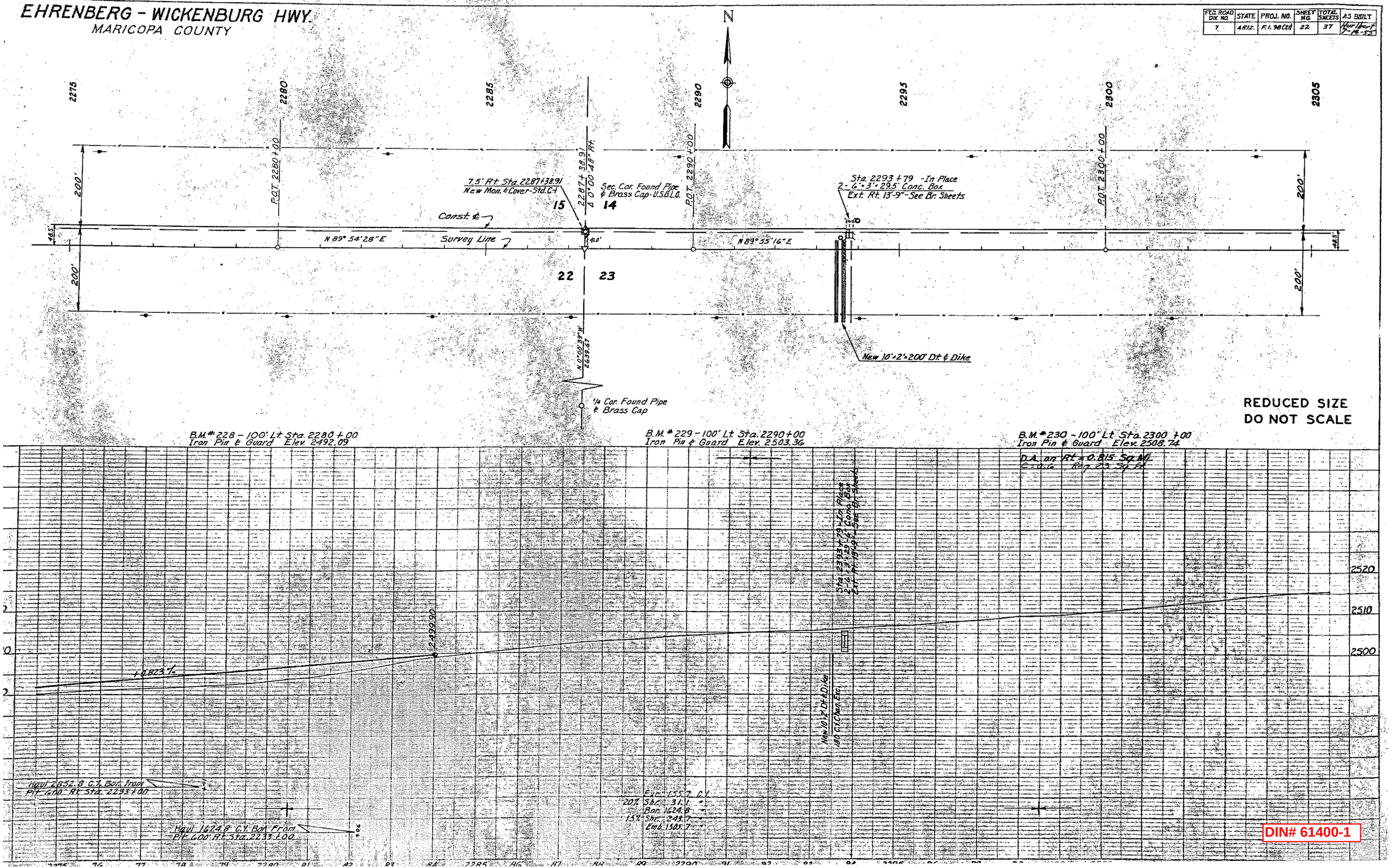


REDUCED SIZE
DO NOT SCALE

DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

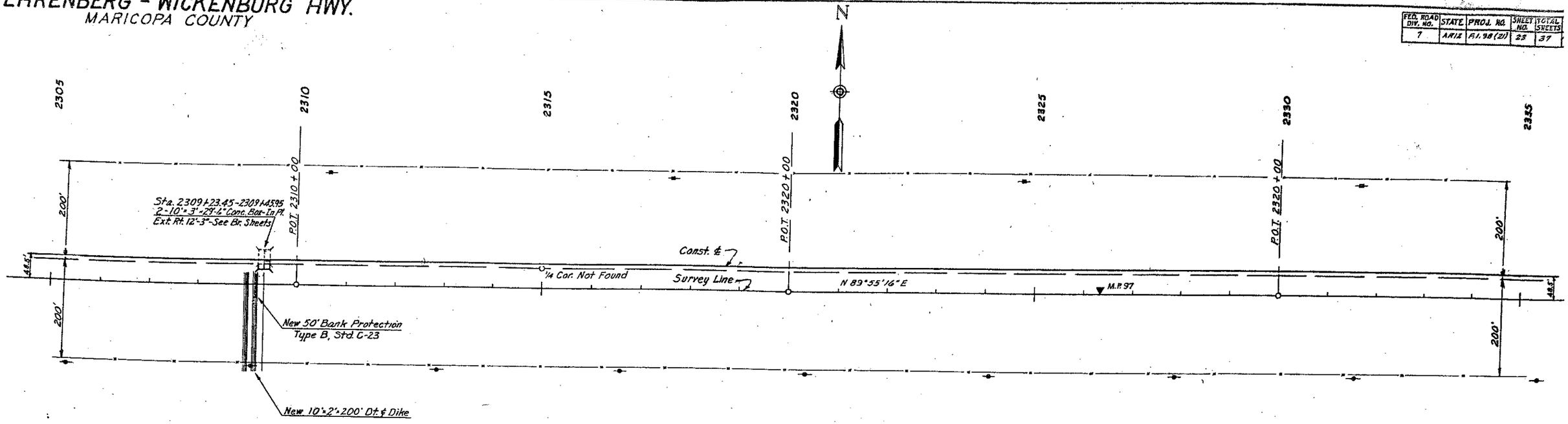
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I. 98(21)	22	37	Hurlbert 7-14-55



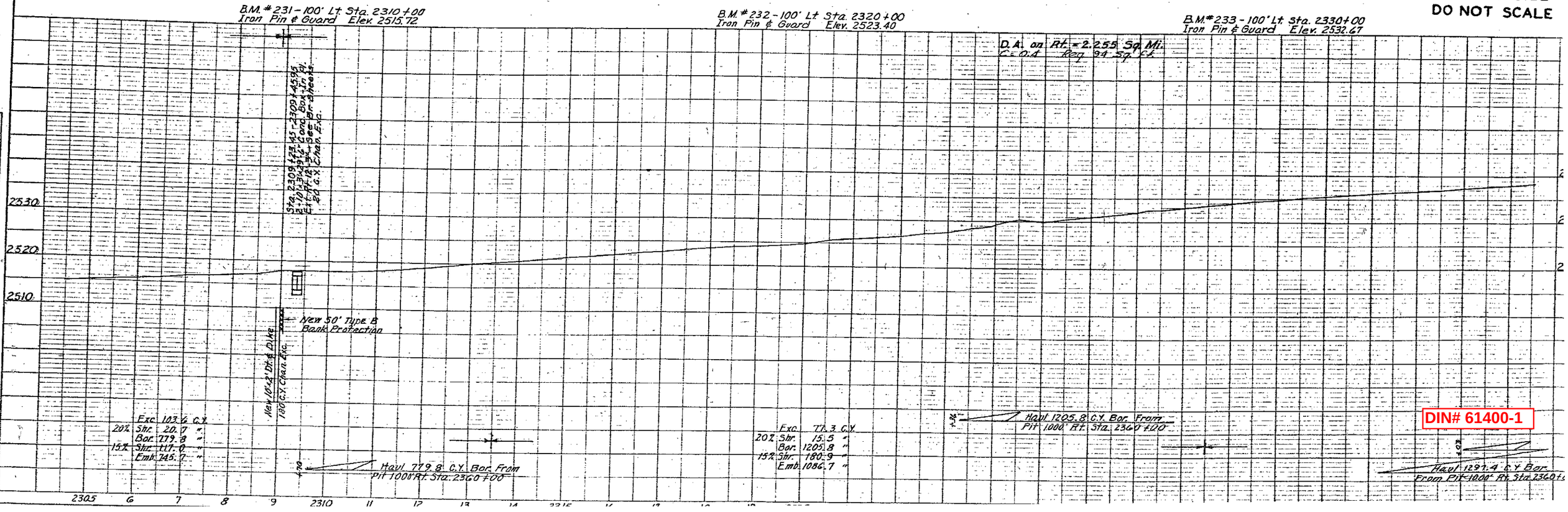
DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	ARIZ	FI. 98(21)	23	37



REDUCED SIZE
DO NOT SCALE



DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
7	ARIZ.	F.I.98(21)	24	37	Not Used 7-14-55

N

2335 2340 2345 2350 2355 2360 2365

200' 200' 48.5' 48.5' 200' 200'

P.O.T. 2340+00
P.O.T. 2340+19.65

7.5' Rt. Sta. 2340+19.65
New Monument & Cover
Std. C-1

Sec. Cor. Found Pipe & Brass Cap - U.S.G.L.O. 1914

14 13 23 24

N 89°55'16" E N 89°55'16" E

Sta. 2347+94.25-2348+16.75
2-10'×3'×29'-6" Conc. Box-In Pl.
Ext. Rt. 12'-3" - See Br. Sheets

P.O.T. 2350+00

Sta. 2358+32.92-2358+77.08
4-10'×3'×29'-6" Conc. Box-In Pl.
Ext. Rt. 12'-3" - See Br. Sheets

P.O.T. 2360+00

Const. ℄ Survey Line

New 100' Bank Protection Type B, Std. C-23

New 20'×2'×200' Dt. & Dike

New 10'×2'×200' Dike Type B, Std. C-4

N 0°12'03" W 2239.11

1/4 Cor. Found Pipe & Brass Cap - U.S.G.L.O. 1914

B.M. # 234 - 100' Lt. Sta. 2340+00
Iron Pin & Guard Elev. 2539.14

B.M. # 235 - 100' Lt. Sta. 2350+00
Iron Pin & Guard Elev. 2545.01

B.M. # 236 - 100' Lt. Sta. 2360+00
Iron Pin & Guard Elev. 2547.60

D.A. on Rt. = 0.091 Sq. Mi.
C = 0.6 Req. 7.0 Sq. Ft.

D.A. on Rt. = 2.214 Sq. Mi.
C = 0.6 Req. 238 Sq. Ft.

REDUCED SIZE
DO NOT SCALE

2560 2550 2540

Sta. 2341+94.25-2342+16.75
2-10'×3'×29'-6" Conc. Box-In Pl.
Ext. Rt. 12'-3" - See Br. Sheets
10 C.Y. Chan. Exc.

New 100' Type B Bank Protection

New 20'×2'×200' Dt. & Dike 340 C.Y. Chan. Exc.

New Type B Dike 340 C.Y.

Sta. 2358+32.92-2358+77.08
4-10'×3'×29'-6" Conc. Box-In Pl.
Ext. Rt. 12'-3" - See Br. Sheets

Exc. 85.9 C.Y.
20% Shr. 17.2 "
Bor. 1297.4 "
15% Shr. 194.6 "
Emb. 1171.5 "

Haul 1174.4 C.Y. Bor. From Pit 1000' Rt. Sta. 2360+00

Exc. 346.8 C.Y.
20% Shr. 69.4 "
Bor. 1174.4 "
15% Shr. 176.2 "
Emb. 1275.6 " (Incl's Dike)

Haul 483.4 C.Y. Bor. From Pit 1000' Rt. Sta. 2360+00

DIN# 61400-1

EHRENBERG - WICKENBURG HWY.
MARICOPA COUNTY

FED. ROAD DIV. NO.	STATE	PROJ. NO.
7	ARIZ.	F.I. 98(21)

Sheet 15 of 25 Sheets

PLAN	SURVEYED	Sankopton	DATE
NOTE: KEEP NOTES ON E. SHEET	PLOTTED	Pollett	2-51
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

Pollett 5-15-52

NOTEBOOK PLOTTED & CHECKED
NOTEBOOK CHECKED & M.S. NOTED
STRUCTURE NOTATIONS CHKD.

2365 2370 2375 2380 2385 2390

T 7 N - R 7 W
T 7 N - R 6 W

Survey Line P.O.T. 2362+40.10
Survey Line P.O.T. 2370+00
Survey Line P.O.T. 2379+14.55
Survey Line P.O.T. 2383+00
P.O.T. 5189+26.35

200'
200'

12' Gate
Const. ℄
Survey Line
N 89°55'16" E
M.P. 98
Mid Sec. Line N 0°01'29" W
21' Gate

P.I. 2386+00
Δ 0°02' Lt.
90°00'
180'
R.P.
100'
R.P.

EQUATION
P.I. 2393+02.22 Off Line Bk. =
P.O.T. 5188+27.67 Carey 1948 Line Ahd.

P.I. 2393+02.22
Δ 0°02' Rt.
N 89°53'12" E
N 0°02'30" E

13 18 24 19 16

Bearing
N 89°53
N 89°59

Sta. 2393+
36"-58° C.M.P.
To Rem

STA. 2393+02.22
END F.I. 98(21)
BEG. NON F.A. 98A(1952)

REDUC
DO NC

B.M.# 237 - 120' Lt. Sta. 2370+00
Iron Pin & Guard Elev. 2557.49

B.M.# 238 - 120' Lt. Sta. 2380+00
Iron Pin & Guard Elev. 2566.92

LEVEL EQUA.

B.M.# 518 - 51' Rt. Sta. 2384+62
Elev. 2570.78 "L" Line →
Elev. 2620.79 E.E. Carey Survey of 1948

B.M.# 238-A - 120' Lt. Sta. 2386+00
Iron Pin & Guard Elev. 2570.22

600' V.C.
+4.115 %
+0.798 %
2580 2620
2560 2600
2570
2560
2550

Haul 778.5 C.Y. - 0.110 mi. = 85.6 C.Y.M. O.H.
From Sta. 2389+78

Haul 778.5 C.Y. To Sta. 2384+95

Exc. 128.6 C.Y.
20% Shr. 25.7 "
Bor. 489.4 "
15% Shr. 73.4 "
Emb. 1141.7 "
Haul In 778.5 "
20% Shr. 155.7 "

Exc. 427.9 C.Y.
20% Shr. 85.6 "
Emb. 342.3 "

Exc. 807.6 C.Y.
20% Shr. 5.8 "
Emb. 23.3 "
Haul Out 778.5 "

Sta. 2393+02.22 To End of Job
36"-58° C.M.P.
To Remain

DIN# 61400-1