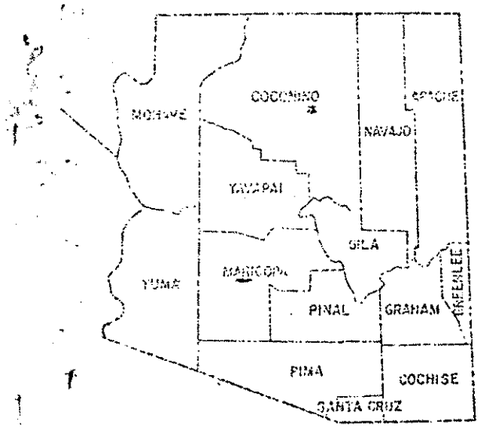
STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION

DRAWING NUMBER 0-3-1-601

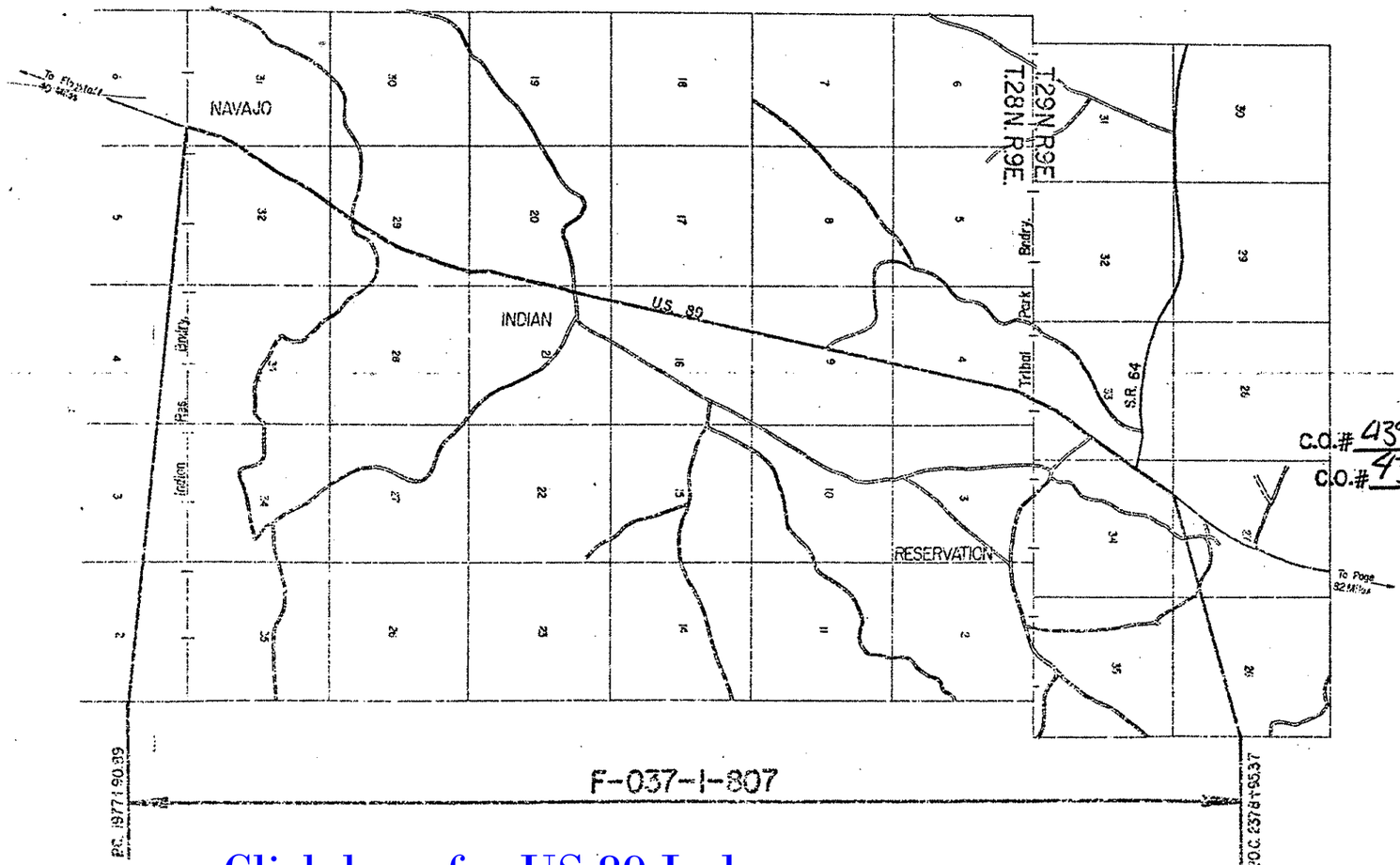


PRINTED
AUG 21 1975
R/W PLANS
PHOENIX, ARIZONA

HIGHWAYS DIVISION
RIGHT OF WAY PLAN OF THE
FLAGSTAFF-CAMERON HIGHWAY
GRAY MOUNTAIN-CAMERON
U.S. 89
PROJECT NO. F-037-1-807

COCONINO COUNTY DISTRICT 5
LENGTH OF PROJECT 7.59 MILES

RW/PLANS FILE SET



C.O.# 4394 Dated 11-6-75 in process, File Set updated 12-2-75
C.O.# 4307 Dated 7-10-75 in process, File Set updated 8-21-75

Approved in accordance with Roadway Plans
DEPUTY STATE ENGINEER DATE 3-24-75
ARIZONA DEPARTMENT OF TRANSPORTATION BOARD
Approved for Right of Way Acquisition in accordance with Resolution Number 75-04-A-19 Dated 3-14-75
William N. Price State Engineer
CHIEF DEPUTY STATE ENGINEER DATE 3-24-75
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
DIVISION ENGINEER DATE

Click here for US 89 Index

C.O.# _____ Dated _____ in process, File Set updated _____

Click here for US 89 Index

FLAGSTAFF — CAMERON HIGHWAY
GRAY MOUNTAIN — CAMERON
COCONINO COUNTY

REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
				SHEET NO.	2 of 37
				DRAWN BY	D.J.H.
				DATE COMP.	3-18-75
				SCALE	

A

Acres	Ac.
Ahead	Ahd
And	&
And Wife	et ux
And Others	et al
And Husband	et vir
Angle	∠
Approximate	Approx.
Arbitrary	Arb.
Asphalt	Asph
At	@
Avenue	Ave.

B

Back	Bk.
Bank Protection	B.P.
Barbed Wire	B.W.
Bearing	Brng.
Beginning	Beg.
Book	Bk.
Borrow	Bor.
Boulevard	Blvd.
Boundary	Bndry.
Brass Cap	B.C.
Bridge	Br.
Building	Bldg.
Bureau of Indian Affairs	B.I.A.
Bureau of Land Management	B.L.M.
Bureau of Reclaimation	B.R.

C

Calculated	Calc. or C.
Cattle Guard	C.G.
Center	Ctr.
Center to Center	C. to C.
Centerline	℄
Channel	Chan.
Concrete	Conc.
Concrete Box Culvert	C.B.C.
Construction	Constr.
Contractor	Cont.
Corner	Cor.
Corregated Metal Pipe	C.M.P.
County	Co.
Creek	Ck.
Cubic Yard	C.Y.
Culvert	Culv.
Curve Data	
Curve to Spiral	C.S.
Degree of Change per 100'	d
Length of Curve	L
Radius	R
Spiral to Curve	S.C.
Spiral to Tangent	S.T.
Delta	△
Point of Curve	P.C.
Deflection (Total Curve)	I
Curve Data	
Point of Tangent	P.T.
Point of Compound Curve	P.C.C.
Point of Reverse Curve	P.R.C.
Point of Reverse Spiral	P.R.S.
Point of Intersection	P.I.
Degree of Curve	D
Tangent Length	T
Tangent to Spiral	T.S.

D

Deceleration	Decel.
Deflection	Defl.
Department	Dept.
Detour	Det.
Diameter	Dia.
Distance	Dist.
Ditch and Dyke	D. & D.
Docket	Dkt.
Drawing	Dwg.
Drive	Dr.
Dyke	Dk.
Drainage	Drn.
Drainage Easement	D.E.

E

Each	Ea.
Easement	Esmt.
East	E.
Elevation	Elev.
Embankment	Emb.
Engineer	Engr.
Equal	Eq. or =
Equation	Equa.
Excavation	Excav.
Existing	Exist.
Extend	Ext.

F

Federal	Fed.
Feet	Ft. or '
Fence	Fc.
Flowage Easement	F.E.
Forest	For.
Found	Fnd.
Frame	Fr.
Freeway	Frwy.
Future	Fut.

G

Galvanized	Galv.
Gauge	Ga.
Government	Govt.
Grader	Gr.
Guard	Gd.

H

Headwall	Hdwl.
Highway	Hwy.
House	Hse.

I

Inch	In. or "
Include	Incl.
Interchange	Intcg.
Iron Pipe	I.P.
Irrigation	Irr.

J

Joint	Jt.
Junction	Jct.

L

Left	L.
Length	L'th.
Line	Ln.
Linear Feet	L.F.
Local Tangent Bearing	L.T.B.

M

Manhole	M.H.
Material	Matl.
Maximum	Max.
Median	Med.
Mile	Mi.
Mile Post	M.P.
Minimum	Mim.
Minute	'
Miscellaneous	Misc.
Monument	Mon.
Mountain	Mt.

N

National	Natl.
North	N.
Number	No.

O

Opening	Opng.
Outside Diameter	O.D.
Office	Off.

P

Page	Pg.
Parcel	Par.
Parkway	Pkwy.
Per	/
Per Cent	%
Place	Pl.
Point on Curve	P.O.C.
Point on Tangent	P.O.T.
Point on Semi-Tangent	P.O.S.T.
Power Line	P.L.
Private	Pvt.
Project	Proj.
Property	Prop.
Proposed	Propsd.
Protection	Prot.

Q

Quadrant	Quad.

R

Railroad	R.R.
Range	Rng. or R.
Record	Rec. or (R)
Reinforced	Reinf.
Reinforced Concrete Pipe	R.C.P.
Required	Reqd.
Reservation	Res.
Right	Rt.
Right of Way	R/W
Road	Rd.
Roadway	Rdwy.

S

Second	"
Section	Sec.
Sheet	Sht.
Skew	Sk.
Slope Easement	S.E.
South	S.
Specifications	Specs.
Square	Sq.
Square Feet	ϕ
State Route	S.R.
Station	Sta.
Street	St.
Subdivision	Subdiv.
Survey	Sur.

T

Telegraph	Tlg.
Telephone	Tel.
Township	Twp. or T.
Temporary Construction Easement	T.C.E.
Traffic Interchange	T.I.
Turnout	T.O.
Typical	Typ.

U

United States Government Land Office	U.S.G.L.O.
Underground	Ungnd.

V

Vertical	Vert.

W

West	W
West Bound	W.B.
Warranty Deed	W.D.

Y

Yard	Yd.

STANDARD ABBREVIATIONS

BRUNING 44-512

Click here for US 89 Index

FLAGSTAFF – CAMERON HIGHWAY
GRAY MOUNTAIN – CAMERON
COCONINO COUNTY

REVISIONS				PROJECT NO.	F-037-1-807
C.O No	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
				SHEET NO.	3 of 37
				DRAWN BY	D.J.H.
				DATE COMP.	3-18-75
				SCALE	

ITEM	SYMBOL
HIGHWAY SURVEY CENTERLINE	
HIGHWAY CONSTRUCTION CENTERLINE	
HIGHWAY CENTERLINE (EXISTING)	
HIGHWAY RIGHT OF WAY LINE (NEW)	
HIGHWAY RIGHT OF WAY LINE (EXISTING)	
CONTROLLED ACCESS (FULL)	
CONTROLLED ACCESS (PARTIAL)	
CONTROLLED ACCESS (EXISTING)	
RAILROAD RIGHT OF WAY LINE	
RAILROAD RIGHT OF WAY LINE COMMON TO HIGHWAY RIGHT OF WAY LINE (EXISTING)	
NATIONAL OR STATE BOUNDARY LINE	
FOREST, NATIONAL MONUMENT, MILITARY OR INDIAN RESERVATION	
COUNTY LINE	
TOWNSHIP OR RANGE LINE	
SECTION LINE	
QUARTER OR MID SECTION LINE	
SIXTEENTH OR GOVERNMENT LOT LINE	
LAND GRANT BOUNDARY LINE	
CITY LIMITS BOUNDARY LINE	
SUBDIVISION OR LOT BOUNDARY LINE	
PROPERTY OWNERSHIP BOUNDARY LINE	
PROPERTY LEASE BOUNDARY LINE	L L
SURVEY MEANDER LINE	II II II
POWER LINE	
POWER TRANSMISSION LINE	
TELEPHONE OR TELEGRAPH LINE	
TELEPHONE AND POWER LINE (COMBINATION)	
UNDERGROUND TELEPHONE CABLE	T T T T
WATER UTILITY LINE	W 6" W 6" W
NATURAL GAS UTILITY LINE	G 2" G 2" G
SANITARY SEWER LINE	S 8" S 8" S
STORM SEWER LINE	SS 36" SS 36" SS

ITEM	SYMBOL
HIGHWAY SLOPE OR DRAINAGE EASEMENT (NEW)	
HIGHWAY SLOPE OR DRAINAGE EASEMENT (EXISTING)	
TEMPORARY CONSTRUCTION EASEMENT (NEW)	
ROAD (NEW) (SHOULDER TO SHOULDER WIDTH)	
ROAD (EXISTING) (SHOULDER TO SHOULDER WIDTH)	
RAILROAD TRACK	
RIVER OR CREEK (CONTINUOUS FLOW)	
RIVER OR CREEK (INTERMITTENT FLOW)	
NATURAL DRAINAGE OR A WASH	
CANAL, CHANNEL, OR DITCH (NEW)	
CANAL, CHANNEL, OR DITCH (EXISTING)	
IRRIGATION DITCH OR LINE (NEW)	IRR IRR
IRRIGATION DITCH OR LINE (EXISTING)	IRR IRR
DYKE OR LEVEE (NEW)	
DYKE OR LEVEE (EXISTING)	
BANK PROTECTION	
RETAINING WALL	
CONSTRUCTION OR SLOPE LIMITS	
WIRE OR BARBED WIRE FENCE	
CHAIN LINK FENCE	
WOOD FENCE	
STONE FENCE	
ROAD GUARD (NEW)	
ROAD GUARD (EXISTING)	
CURB	
CURB AND GUTTER	
DEPRESSED CURB WITH GUTTER (NEW)	
DEPRESSED CURB WITH GUTTER (EXISTING)	
TREES (DECIDUOUS)	
TREES (CONIFEROUS)	
HEDGE OR SHRUBBERY	
EXIST. PAVEMENT	
NEW PAVEMENT	
EXIST. PAVEMENT, TO BE OBLITERATED	
NEW STRUCTURES (BRIDGES, ETC. NOT COVERED BY PAVEMENT)	
EXCESS TAKE	

ITEM	SYMBOL
BRIDGE (NEW)	
BRIDGE (EXISTING)	
PIPE CULVERT (NEW)	
PIPE CULVERT (EXISTING)	
BOX CULVERT (NEW)	
BOX CULVERT (EXISTING)	
CATTLE GUARD (NEW)	
CATTLE GUARD (EXISTING)	
GATE (NEW)	
GATE (EXISTING)	
FORD (NEW)	
FORD (EXISTING)	
TRAFFIC DIRECTIONAL FLOW ARROWS	
DRAINAGE DIRECTIONAL FLOW ARROWS	
PROPERTY LIMIT ARROWS	
LEASE LIMIT ARROWS	L L
PROPERTY TIE BARS	
SURVEY MONUMENT, NEW	
SURVEY MONUMENT, EXISTING	
NEW RIGHT OF WAY CONTROL POINT	
RIGHT OF WAY MARKER, EXISTING	

NORTH ARROW

○ FOUND SEC. COR. or 1/4 COR.
+ UNFOUND SEC. COR. or 1/4 COR.
(3) FOUND CENTER SEC.
(3) UNFOUND CENTER SEC.

5/32" Diameter Circle. No.1 Rapidograph Pen, Or Equal. — SECTION CORNER

1/2" Diameter Circle. No.1 Rapidograph Pen, Or Equal. — CENTER OF SECTION

5/32" Diameter Circle. No. 1 Rapidograph Pen, Or Equal. — 1/4 CORNER

7-614 PARCEL BUBBLE Size 3/4" 7-614 7-614-L1

STANDARD SYMBOLS

BRUNING 44-512

FLAGSTAFF – CAMERON HIGHWAY
GRAY MOUNTAIN – CAMERON
COCONINO COUNTY

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REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
4307	7-30-75	D.J.H.	Bid Ch'ged T.C.E. Ac. of Par. 3-154	SHEET NO.	4 of 37
				DRAWN BY	D.J.H.
				DATE COMP.	3-18-75
				SCALE	———

CHECKED BY: *Ralph of Thomas*

OWNERSHIP RECORD

PARCEL NUMBER	OWNER	DESCRIPTION	TOTAL AREA	AREA REQUIRED GROSS INCLUDING EXISTING R/W	AREA REQUIRED NET EXCLUDING EXISTING R/W	EASEMENT AREA	REMAINDER LEFT	REMAINDER RIGHT	SHEET NUMBER
3-154	United States Of America, Trustee for the Navajo Indian Tribe	Parts of Sections 31,32,29,20,21,16,9, & 4 T. 28 N., R. 9 E.		257.42 Ac.	113.82 Ac.	T.C.E. 2.08 Ac.			7 Thru 19
		Parts of Sections 33 & 34 T. 29 N., R. 9 E.		45.37 Ac.	11.00 Ac.	~~2.66 Ac.~~ T.C.E. 3.20 Ac.			19 Thru 21
L-1	Traders Lease 7806032 To Wilma Rodgers Seeley	Part of NE 1/4 SE 1/4 Sec. 33, T. 29 N., R. 9 E.	8.2 Ac.						19 & 20
L-2	Traders Lease 7806045 To Simpson & Thompson	Part of SW 1/4 NW 1/4 Sec. 34, T. 29 N., R. 9 E.	8.0 Ac.						20

ACQUISITION RECORD

COMMISSION APPROVAL	TYPE & DATE OF INSTRUMENT	RECORDED DATE	RECORDED BOOK	RECORDED PAGE
9-18-75	R/W 8-1-75	10-3-75	559	575-612
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"

HARD COPY

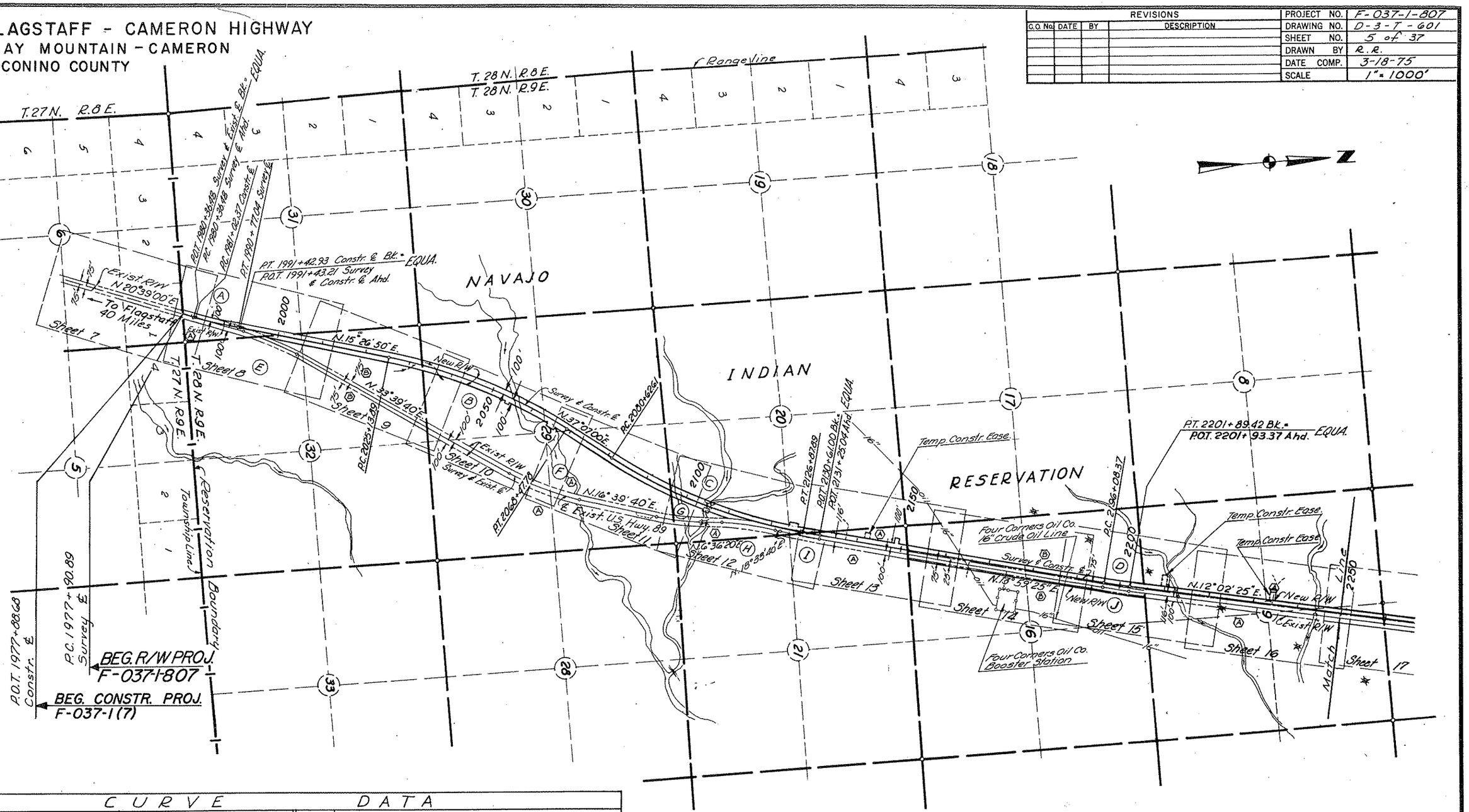
BRUNING 44-512

Click here for US 89 Index

FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS					
C.O. No.	DATE	BY	DESCRIPTION		
				PROJECT NO.	F-037-1-807
				DRAWING NO.	D-3-T-601
				SHEET NO.	5 of 37
				DRAWN BY	R.R.
				DATE COMP.	3-18-75
				SCALE	1" = 1000'

HARD COPY ____ 6937 M1, M2 CHECKED BY: Rafael L. Atkinson



CURVE DATA

CURVE	SURVEY ℄ CONSTR. ℄ Δ	D	R	L	T
(A)	5°12'10" Lt.	0°30'00"	11,459.16'	1040.56'	520.64'
(B)	21°40'10" Rt.	0°30'00"	11,459.16'	4,333.89'	2,193.15'
(C)	23°07'35" Lt.	0°30'00"	11,459.16'	4,625.28'	2,344.56'
(D)	1°57'00" Lt.	0°20'08.15"	17,072.74'	581.05'	290.55'

CURVE	SURVEY ℄ EXIST. ℄ Δ	D	R	L	T
(E)	13°00'40" Rt.	1°00'00"	5729.58'	1301.11'	653.37'
(F)	17°00'00" Lt.	1°00'00"	5729.58'	1700.00'	856.29'
(G)	10°03'20" Lt.	1°00'00"	5729.58'	1005.56'	504.07'
(H)	11°57'20" Rt.	1°00'00"	5729.58'	1195.56'	599.96'
(I)	4°34'15" Lt.	0°30'00"	11,459.16'	914.17'	457.33'
(J)	1°57'00" Lt.	0°20'00"	17,188.74'	585.00'	292.53'

VICINITY MAP
Scale: 1" = 1000'
(Sheet 1 of 2)

REDUCED SIZE
DO NOT SCALE

INDEX TO EXISTING R/W

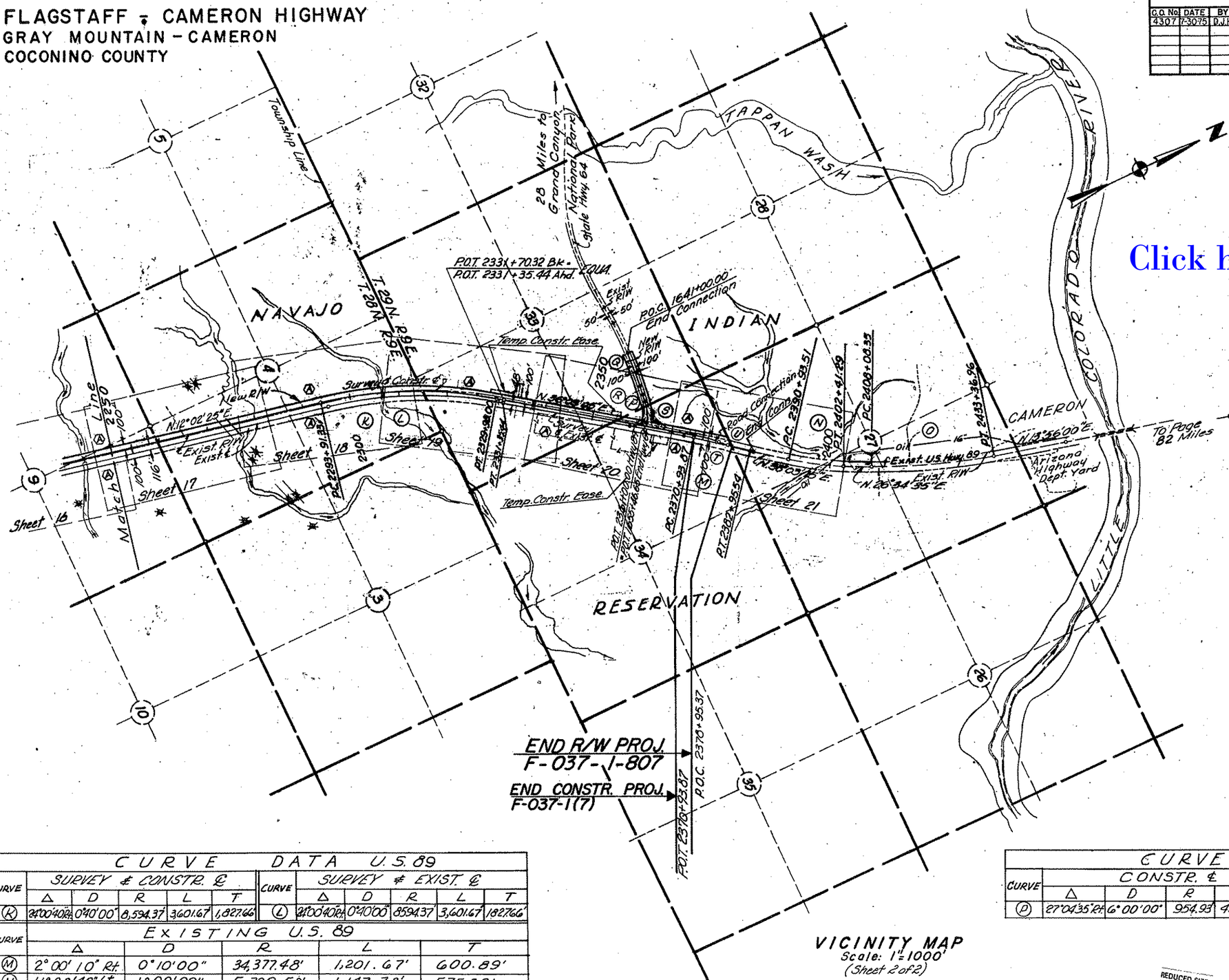
Index	Subdivision	Sec.	Twp.	R	Acq. From	Type	Book	Page	Width	Year	Parcel No.
(A)	All sections 31, 29, 30, 25 & 24		28N	9E	Navajo Tribal Council	-	-	-	200'	5-7-36	R/W # PPPX 026837
(A)	All Sections 33 & 34		29N	9E	" " "	-	-	-	"	"	"
(B)	All Sections 32 & 16		28N	9E	State Land Dept.	-	-	-	150'	1936	R/W # 277

FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
4307	7-30-75	D.J.H.	Bid. Added T.C.E. Lt. 2355

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	6 of 37
DRAWN BY	R.R.
DATE COMP.	3-18-75
SCALE	1" = 1000'

Click here for US 89 Index



VICINITY MAP
Scale: 1" = 1000'
(Sheet 2 of 2)

CURVE DATA U.S. 89											
CURVE	SURVEY & CONSTR. ℄					CURVE	SURVEY & EXIST. ℄				
	Δ	D	R	L	T		Δ	D	R	L	T
(K)	24°00'40" Rt.	0°40'00"	8,594.37'	3,601.67'	1,827.66'	(L)	24°00'40" Rt.	0°40'00"	8594.37'	3,601.67'	1827.66'

CURVE	EXISTING U.S. 89				
	Δ	D	R	L	T
(M)	2°00'10" Rt.	0°10'00"	34,377.48'	1,201.67'	600.89'
(N)	11°28'40" Lt.	1°00'00"	5,729.58'	1,147.78'	575.82'
(O)	12°38'35" Lt.	0°30'00"	11,459.16'	2,528.61'	1,269.46'

CURVE DATA STATE 64					
CURVE	CONSTR. ℄				
	Δ	D	R	L	T
(P)	27°04'35" Rt.	6°00'00"	954.93'	451.27'	229.93'

CURVE	SURVEY & EXIST. ℄				
	Δ	D	R	L	T
(Q)	11°15'00" Rt.	0°49'06.64"	7,000.00'	1374.45'	689.44'
(R)	117°04'35" Rt.	19°05'55"	300.00'	613.01'	490.29'
(S)	62°55'25" Lt.	5°43'47"	1000.00'	1098.22'	611.88'
ROAD CONN. CURVE DATA					
(T)	5°33'20" Rt.	1°30'00"	3819.72'	370.37'	185.33'
(U)	3°33'10" Lt.	1°00'00"	5729.58'	355.28'	177.70'

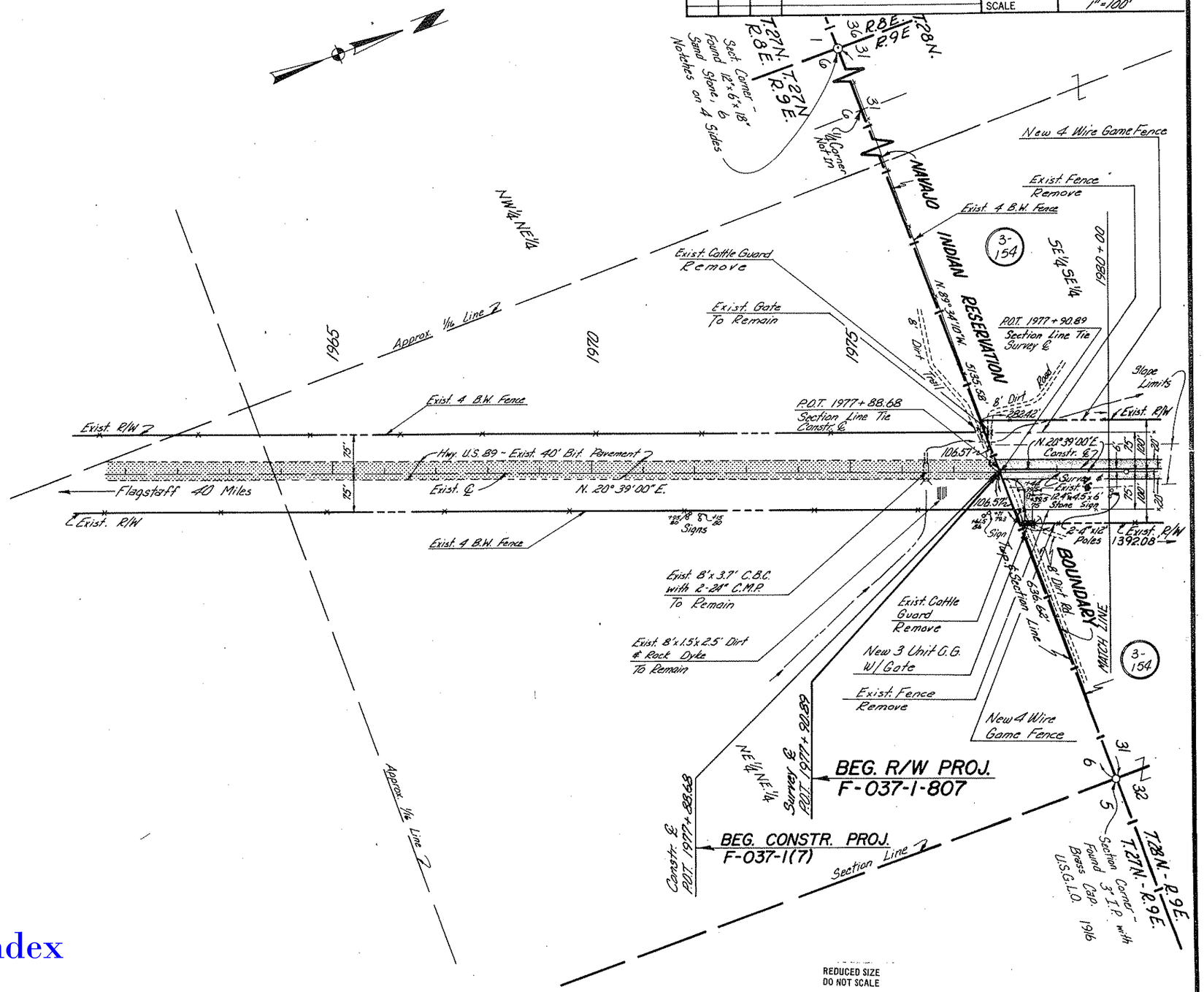
REDUCED SIZE DO NOT SCALE

HARD COPY 6937 M1,M3 CHECKED BY Ralph L. Robinson

FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	7 of 37
DRAWN BY	G.A.I.
DATE COMP.	3-18-75
SCALE	1"=100'



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CHECKED BY Ralph L. Robinson

FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS				
C.O No.	DATE	BY	DESCRIPTION	

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	8 of 37
DRAWN BY	G.A.I.
DATE COMP.	3-18-75
SCALE	1" = 100'

CHECKED BY Taylor Falkner

HARD COPY 65377M2

NAVAJO

INDIAN RESERVATION

Approx. 1/16 Line

Approx. 1/4 Line

Approx. Mid Section Line

1/4 Corner Not In

Sect. Corner - Found Stone

Sect. Corner with Brass Cap. U.S.G.L.O. 1916

T.27N. - R.9E.

T.27N. - R.8E.

MATCH LINE

Constr. & Survey & Curve Data
Δ = 5°12'10" Lt.
D = 0°30'00"
R = 11,459.16'
T = 520.64'
L = 1040.56'

3-154

1980+00 Survey & Exist. & Bk's EQUA.

P.O.T. 1980+36.48 Survey & Exist. & Bk's EQUA.

P.C. 1980+36.48 Survey & Ahd.

P.C. 1981+02.37 Constr. &

1985

New 3 Unit C.G. w/ Gate

Exist. 10'x2'x225' Rock Dyke

Exist. 4 B.W. Fence Remove

Exist Gravel Roadside Park

12'-0" Exist. R/W

1990

P.T. 1980+77.04 Survey &

P.T. 1991+42.93 Constr. & Bk's =

P.O.T. 1991+43.21 Survey & Constr. & Ahd.

1995

100' Rt. Survey & Constr. & Sta. 1999+57.28
75' Lt. Exist. & P.O.C. Sta. 1999+53.72

P.O.T. 1999+57.98 Section Line Tie

2000

2005

2010+00

Sect. Corner - Found Stone

3204.96'

2189.26' New R/W

Slope Limits

20'

100'

L.T.B. N.26°22'58"E.
1247.59'

380.04'

Survey & Constr. &

282.42' Exist. R/W

L=1031.47'

1183.32'

R=11359.16'

New R/W

L=583.30'
R=5829.58'

N. 15°26'50"E.

Constr. &

100'

75'

20'

5'

N. 20°39'00"E.

Survey &

Survey & Exist. &

2-4"x12" Poles

Exist. R/W

1392.08'

L+191

160.94'

363.62'
Δ=40.0'

57.16'

L.T.B. N.27°59'21"E.

2556.61'

Slope Limits

& New R/W.

New 4 Wire Game Fence

Exist. 10'x3'x165' Rock Dyke

L=574.62

R=5804.58'

+193

Exist. 4 B.W. Fence To Remain

3929.33' Exist. R/W

N.33°39'40"E.

Survey & Exist. &

3378.28'

& Exist R/W

Hwy U.S. 89 - Exist. 40' Bit. Pavement

R=5654.58'

Exist. 4 B.W. Fence To Remain

New 4 Unit C.G. - No Gate

P.O.S.T. 1996+12.24 Section Line Tie

P.O.C. 1995+81.80 Section Line Tie

Exist. 10'x2' Rock Dyke To Remain

P.C. 1992+19.80

P.T. 2005+20.91

Exist. 4 B.W. Fence Remove

New 4 Wire Game Fence

1392.08'

N. 0°11'29"E.

Section Line

1676.39'

5277.70'

Survey & Exist. & Curve Data
Δ = 13°00'40" Rt.
D = 1°00'00"
R = 5729.58'
T = 653.37'
L = 1301.11'

SW¼ SW¼

NW¼ SW¼

SW¼ NW¼

NE¼ SE¼

SE¼ NE¼

SE¼ SE¼

SW¼ NE¼

P.O.T. 1995+81.80

P.C. 1995+81.80

P.T. 1995+00.00

P.C. 1995+00.00

P.O.T. 1996+12.24

P.C. 1996+12.24

P.T. 1996+31.04

P.C. 1996+31.04

P.T. 1996+43.21

P.O.T. 1996+43.21

P.C. 1996+43.21

P.T. 1997+00.00

P.C. 1997+00.00

P.T. 1997+42.93

P.C. 1997+42.93

P.T. 1998+00.00

P.C. 1998+00.00

P.T. 1998+36.48

P.C. 1998+36.48

P.T. 1999+00.00

P.C. 1999+00.00

P.T. 1999+57.98

P.C. 1999+57.98

P.T. 2000+00.00

P.C. 2000+00.00

P.T. 2000+36.48

P.C. 2000+36.48

P.T. 2001+00.00

P.C. 2001+00.00

P.T. 2001+43.21

P.C. 2001+43.21

P.T. 2002+00.00

P.C. 2002+00.00

P.T. 2002+36.48

P.C. 2002+36.48

P.T. 2003+00.00

P.C. 2003+00.00

P.T. 2003+43.21

P.C. 2003+43.21

P.T. 2004+00.00

P.C. 2004+00.00

P.T. 2004+36.48

P.C. 2004+36.48

P.T. 2005+00.00

P.C. 2005+00.00

P.T. 2005+43.21

P.C. 2005+43.21

P.T. 2006+00.00

P.C. 2006+00.00

P.T. 2006+36.48

P.C. 2006+36.48

P.T. 2007+00.00

P.C. 2007+00.00

P.T. 2007+43.21

P.C. 2007+43.21

P.T. 2008+00.00

P.C. 2008+00.00

P.T. 2008+36.48

P.C. 2008+36.48

P.T. 2009+00.00

P.C. 2009+00.00

P.T. 2009+43.21

P.C. 2009+43.21

P.T. 2010+00.00

P.C. 2010+00.00

P.C. 2010+36.48

P.T. 2010+36.48

P.C. 2011+00.00

P.T. 2011+00.00

P.C. 2011+43.21

P.T. 2011+43.21

P.C. 2012+00.00

P.T. 2012+00.00

P.C. 2012+36.48

P.T. 2012+36.48

P.C. 2013+00.00

P.T. 2013+00.00

P.C. 2013+43.21

P.T. 2013+43.21

P.C. 2014+00.00

P.T. 2014+00.00

P.C. 2014+36.48

P.T. 2014+36.48

P.C. 2015+00.00

P.T. 2015+00.00

P.C. 2015+43.21

P.T. 2015+43.21

P.C. 2016+00.00

P.T.

FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
4307	7-30-75	D.J.H.	Bid Removed T.O. Lt. & Rt. 20'±	SHEET NO.	9 of 37
				DRAWN BY	G.A.I.
				DATE COMP.	3-18-75
				SCALE	1"=100'

HARD COPY ____ CHECKED BY. Ralph A. Hellum

T. 28 N. R. 9 E.

Sect. Corner - Found Pile of Stones

Approx. 1/16 Line

2000+00 MATCH LINE

2010+00

2015

2020

2025

2030

2035

2040+00 MATCH LINE

New 4 Wire Barbed Wire Fence

New No. 1 Gate (Locked)

New R/W

100'

20'

℄ New R/W

℄ Survey & Constr.

℄ Slope Limits

2556.61'

2189.26'

N. 15°26'50" E.

L=745.09'

R=11,559.16'

New 48" Pipe Culvert w/ Hdwls.

L.T.B. N. 19°08'26" E.

P.O.S.T. 2032+79.11
Section Line Tie

105.75'

26.99'

105.89'

L=3025.02'

L=3495.36'

R=11,359.16' L=2035.44 ℄ New R/W

R=11,359.16'

L=800.71'

L.T.B. N. 19°29'10" E.

P.O.C. 2032+86.77
Section Line Tie

P.C. 2025+13.89

NAVAJO INDIAN RESERVATION

SW¼ NW¼

NW¼ NW¼

Survey & Constr. ℄ Curve Data
Δ = 21°40'10" Rt.
D = 0°30'00"
R = 11,459.16'
T = 2,193.15
L = 4,333.89

Exist. 10'x2'x435' Dirt Dyke

10' Dirt Rd.

Exist. R/W

75'

Exist. R/W

Exist. 14' Gate To Remain

69 KV Power Line Navajo Tribe Utility Authority

Exist. 10'x2'x156' Dirt Dyke

Exist. 4 B.W. Fence

Exist. 19'x3'x391' Dirt & Rock Dyke

Survey & Exist. ℄

+00

3279.33'

3378.29'

N. 33°39'40" E.

Hwy. U.S. 89 - Exist. 40' Bit. Pavement

Exist. 4 B.W. Fence

NE¼ NW¼

Exist. R/W

Exist. R/W

29.95'

89.85'

89.85'

29.95'

Section Line N. 89°45'07" W.

To Section Corner 5380.48' 1986.49'

SE¼ SW¼

SE¼ NW¼

Approx. Mid-Section Line

Approx. 1/16 Line

1/4 corner Not In.

P.O.T. 2038+49.72
Section Line Tie

REDUCED SIZE DO NOT SCALE

Click here for US 89 Index

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FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS				
C.O. No.	DATE	BY	DESCRIPTION	
4240	5-7-75	H.C.U.	Added New 14' No.2 Gate Sta. 2054+25	

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	10 of 37
DRAWN BY	S.A.I.
DATE COMP.	3-19-75
SCALE	1"=100'

HARD COPY 6937M2 CHECKED BY Ralph L. Fabian

Approx. 1/16 Line
New 120" C.M.P. w/ Hdwls.
New 4 Wire Game Fence
New R/W
New 3 Unit C.G. w/Gate
Slope Limits
L=3626.62' R=11,559.16'
Survey & Constr. ℄
L=3495.36'
L=2035.44
L.T.B. N.29°45'10"E.
25' N.60°14'50"W.
New 14' No.2 Gate
L.T.B. N.30°15'10"E.
R=11,359.16'
L=966.49'
25' S.59°44'50"E.
New 4 Wire Game Fence
New 48" Pipe Culvert w/ Hdwls.
75' N.54°52'20"W.
L.T.B. N.35°07'40"E.
196.95'
R=11,254.16'
New R/W
R=11,359.16'
L=196.05'
N.37°07'00"E.
1214.83'
SE 1/4 NW 1/4
MATCH LINE - 2040+00
MATCH LINE - 2070+00
2045
2050
2055
2060
2065
Survey & Constr. ℄ Curve Data
Δ = 21°40'10" Rt.
D = 0°30'00"
R = 11,459.16'
T = 2,193.15'
L = 4,333.89'
3-154
NAVAJO
INDIAN
RESERVATION
SE 1/4 SW 1/4
SW 1/4 SE 1/4
SW 1/4 NE 1/4
NW 1/4 SE 1/4
T. 28 N. R. 29 E. Section 29
POC. 2053+75.00
L=98.91'
R=11,334.16'
New R/W
POC. 2054+75.00
POC. 2064+50.00
POC. 2066+50.00
75' S.53°52'20"E.
P.T. 2068+41.78
Approx. Mid-Section Line
10' Dirt Rd.
Exist. 14'x 3' Dirt Dyke
Exist. 2 Unit C.G. w/Gate
Exist. 4 B.W. Fence
Exist. 6'x 7' C.B.C.
Exist. 36" C.M.P.
Exist. R/W
Exist. 40' Bit. Pavement
Hwy. U.S. 89 - Exist. 28' Bit. Pavement
2198.15'
2066.21'
+99.4
+99.7
+84.8
+84.6
N. 33° 39' 40" E.
Navajo Motel Reservation Sign
To Section Corner 5301.48
Section Line
1/4 Corner Not Yet Set
Sect. Corner Found 2" I.P. with Brass Cap 1916 U.S.G.L.O.
R=5829.58'
L=1670.33'
L=1789.67'
Survey & Exist. ℄ Curve Data
Δ = 17°00'00" Lt.
D = 1°00'00"
R = 5729.58'
T = 856.29'
L = 1700.00'
P.C. 2059+81.90
REDUCED SIZE DO NOT SCALE

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FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS				
C.O. No.	DATE	BY	DESCRIPTION	
4240	5-7-75	H.C.V.	Added New 14' No. 2 Gate Sta. 2092+00	

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	11 of 37
DRAWN BY	B.A.I.
DATE COMP.	3-18-75
SCALE	1"=100'

CHECKED BY: Taylor & Robinson

HARD COPY 6937M2

T. 28 N. R. 9 E.

Approx. Mid-Section Line

Sect. Corner - Found 2" I.P. with Cap U.S.G.L.O. 1916

Survey & Constr. ℄ Curve Data
Δ = 23° 07' 35" Lt.
D = 0° 30' 00"
R = 11,459.16'
T = 2,344.56'
L = 4,625.28'

POC 2095 + 44.13
Section Line Tie

¼ Corner

L.T.B. N. 30° 00' 32" E.

MATCH LINE - 2070+00

MATCH LINE - 2100+00

New R/W ℄

New 4 Wire Game Fence

N. 37° 07' 00" E.

1214.83'

Survey & Constr. ℄

R=11,359.16' Slope Limits ℄ L=1409.15'

Slope Limits ℄ L=1553.66'

NAVAJO

INDIAN

RESERVATION

New 66" Pipe Culvert w/ Hdwls.

New 14' No. 2 Gate

Approx. 1/16 Line

POST 2096 + 14.97
Section Line Tie

L=3175.75'

116.46'

116.09'

R=11,359.16'

L=2890.38'

L=1430.68'

L=879.81'

New R/W ℄

Semi-Tan.

L.T.B. N. 29° 21' 56" E.

N. 89° 01' 55" E.
Section Line 2

To Semi-Tan. 5316.58'

Survey & Exist. ℄ Curve Data
Δ = 10° 03' 20" Lt.
D = 1° 00' 00"
R = 5729.58'
T = 504.07'
L = 1005.56'

SW¼ SE¼

SE¼ SE¼

NW¼ NE¼

NE¼ NE¼

SW¼ NE¼

SE¼ NE¼

2075

2080

2085

2090

2095

P.C. 2080 + 62.61

P.T. 2078 + 81.90

Exist. 4 B.W. Fence

Exist. R/W ℄

Exist. 17' Gate
R=5629.58'
L=1670.33'

Exist. 10' Dirt Rd.

Approx. ¼ Mid-Sect. Line

MATCH LINE

2070+00

+81.6

+88.4

1714.23'

N. 16° 39' 40" E.

Survey & Exist. ℄

Hwy. U.S. 89 - Exist. 28' Bit. Pavement

R=5829.58'

L=1729.67"

Exist. 2-10'x10' Conc. Bridge Culvert Cattle Pass

Exist. 36" C.M.P.

Exist. Gravel Road Side Park

Exist. 4 B.W. Fence
R=5629.58'
L=379.04'

Exist. R/W ℄ L=609.92'

102.91'

102.81'

+97.1

+96.8

15.40'

L=581.63'

R=5829.58'
L=441.48'

Exist. R/W

POC 2098 + 06.40
Section Line Tie

Exist. 5'x5' C.B.C.

POST 2098 + 10.73
Section Line Tie

MATCH LINE

2090+00

2092+00

2096+00

530.42'

Sect. Corner - Found Marked Stone 4 Slashes on East, 2 Slashes on South, Found 2" I.P. with Loose 2" Brass Cap, Replaced in ground, Pile of Stone U.S.G.L.O. 1916

SE¼ SE¼

20

29

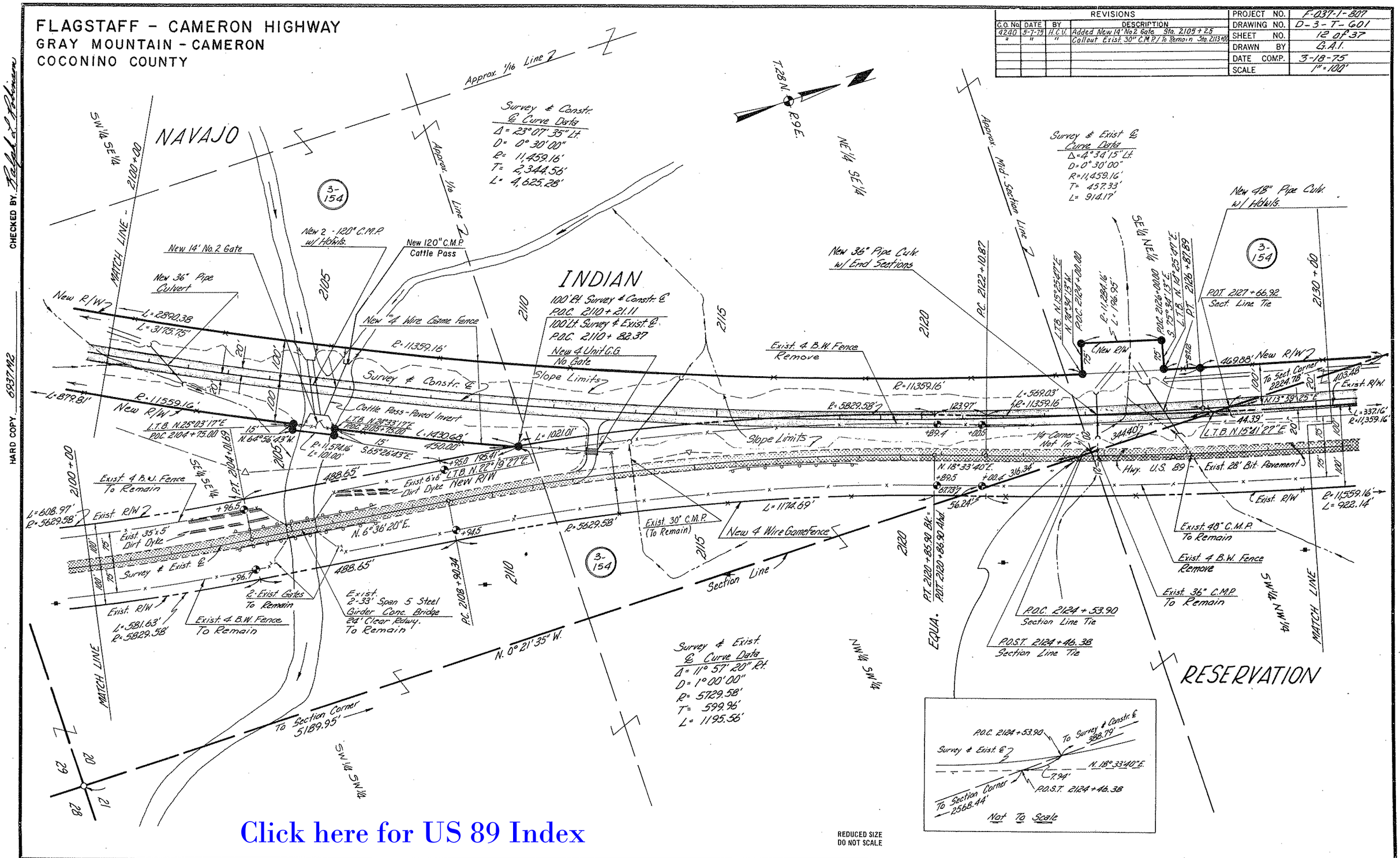
21

28

REDUCED SIZE
DO NOT SCALE

FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS					
C.O. No.	DATE	BY	DESCRIPTION	PROJECT NO.	F-037-1-807
4240	5-7-75	H.C.V.	Added New 14' No.2 Gate Sta. 2105+25	DRAWING NO.	D-3-T-601
"	"	"	Callout Exist. 30" C.M.P./To Remain Sta. 2113+00	SHEET NO.	12 of 37
				DRAWN BY	G.A.I.
				DATE COMP.	3-18-75
				SCALE	1"=100'



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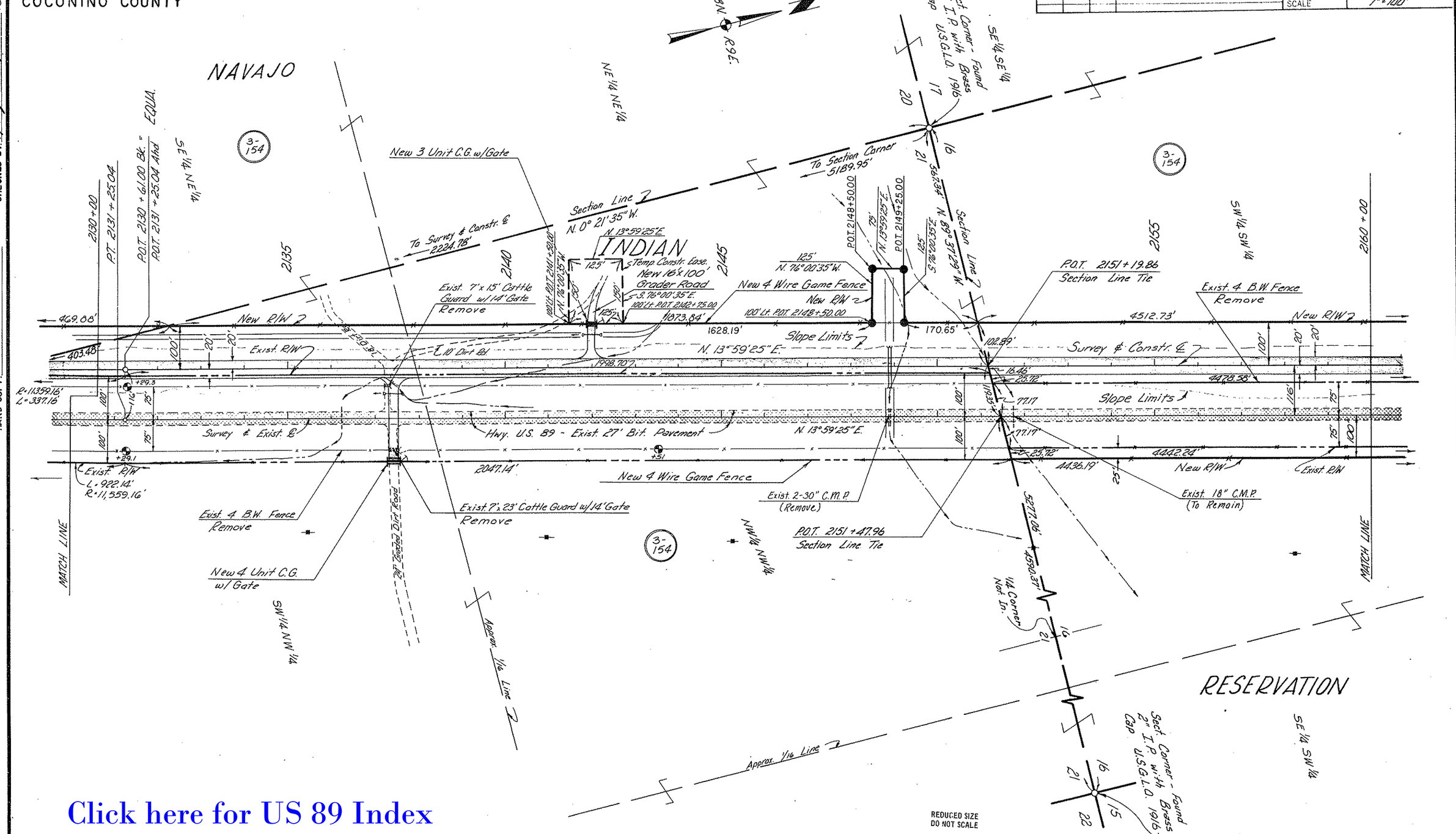
FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS					
C.O. No.	DATE	BY	DESCRIPTION	PROJECT NO.	F-037-1-807
4240	5-7-75	H.C.V.	Callout Exist. 2-30" C.M.P. / Remove.	DRAWING NO.	D-3-T-601
"	"	"	Callout Exist. 18" C.M.P. / To Remain	SHEET NO.	13 of 37
				DRAWN BY	G.A.I.
				DATE COMP.	3-18-75
				SCALE	1" = 100'



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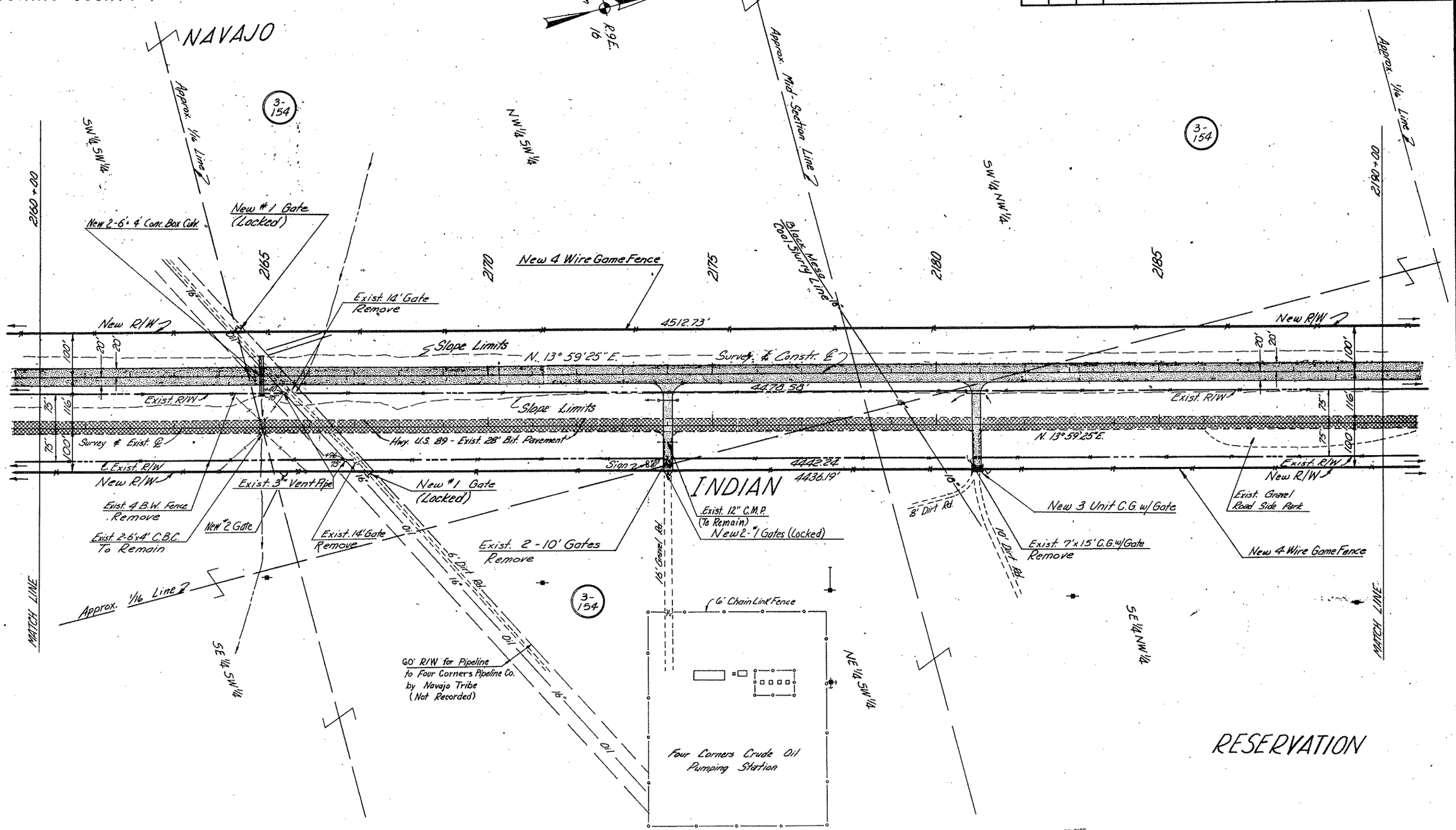
FLAGSTAFF → CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
4240	5-7-75	H.C.V.	Added Exist. 12" C.M.P. / To Remain
4307	7-18-75	D.J.H.	Bid. Removed C.G. add New #1 Gate Rt. 2174±;
"	"	"	Add New Pipe Culv. Rt. 2180+95; Ex. Fence Symbol Rt. 2165
"	"	"	Add New #2 Gate Rt. 2165±; Removed P.C. Note to
"	"	"	2-6'x4' C.B.C. 2165±

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	14 of 37
DRAWN BY	G.A.I.
DATE COMP.	3-18-75
SCALE	1" = 100'



REDUCED SIZE
DO NOT SCALE

CHECKED BY Ralph L. Robinson

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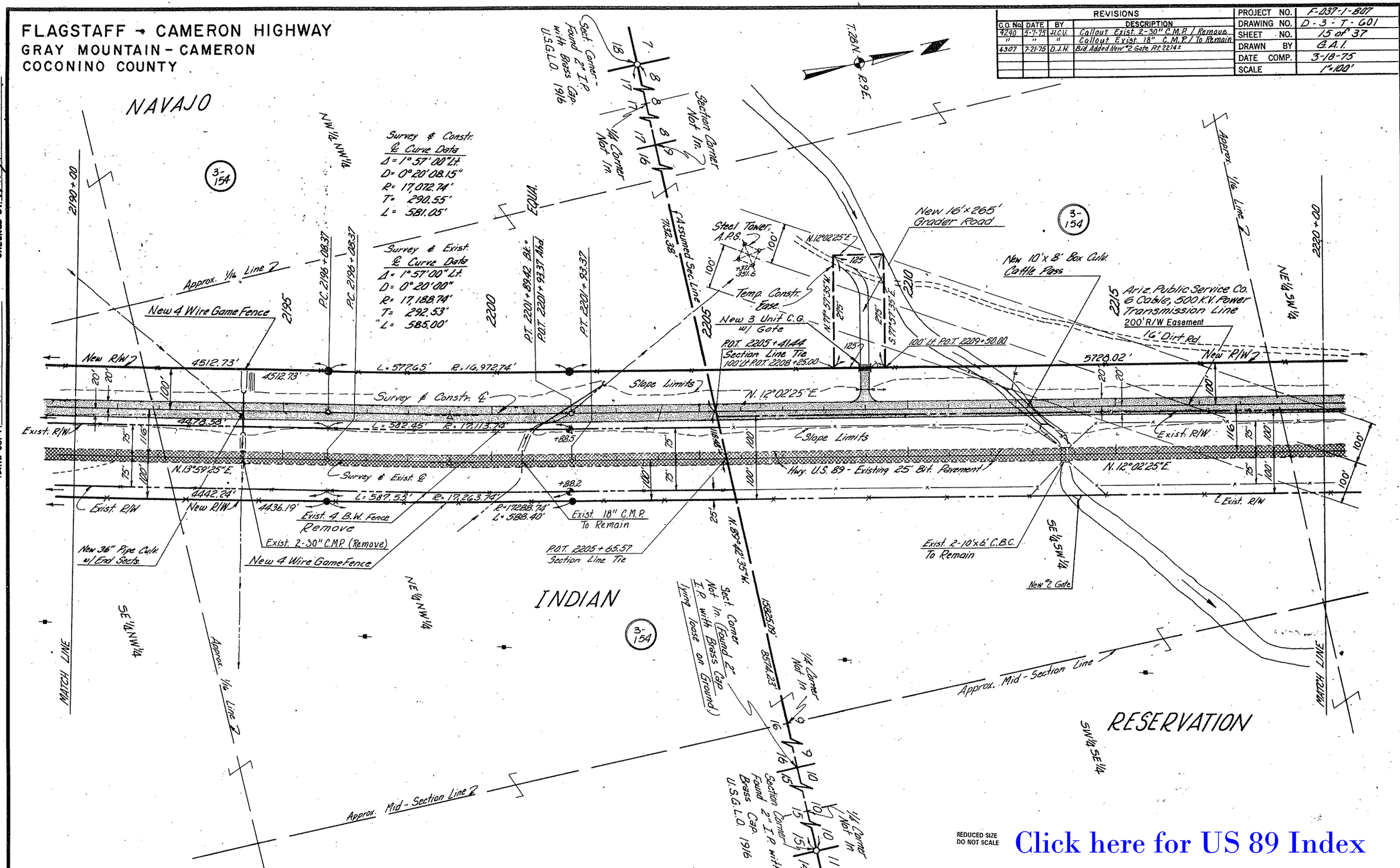
FLAGSTAFF → CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS					
C.O. No.	DATE	BY	DESCRIPTION	PROJECT NO.	F-037-1-807
4290	5-7-75	H.C.U.	Callout Exist. 2-30" C.M.P. / Remove	DRAWING NO.	D-3-T-601
"	"	"	Callout Exist. 18" C.M.P. / To Remain	SHEET NO.	15 of 37
4307	7-21-75	D.J.H.	Bid Added New #2 Gate Rt. 2214±	DRAWN BY	G.A.I.
				DATE COMP.	3-18-75
				SCALE	1"=100'



REDUCED SIZE DO NOT SCALE

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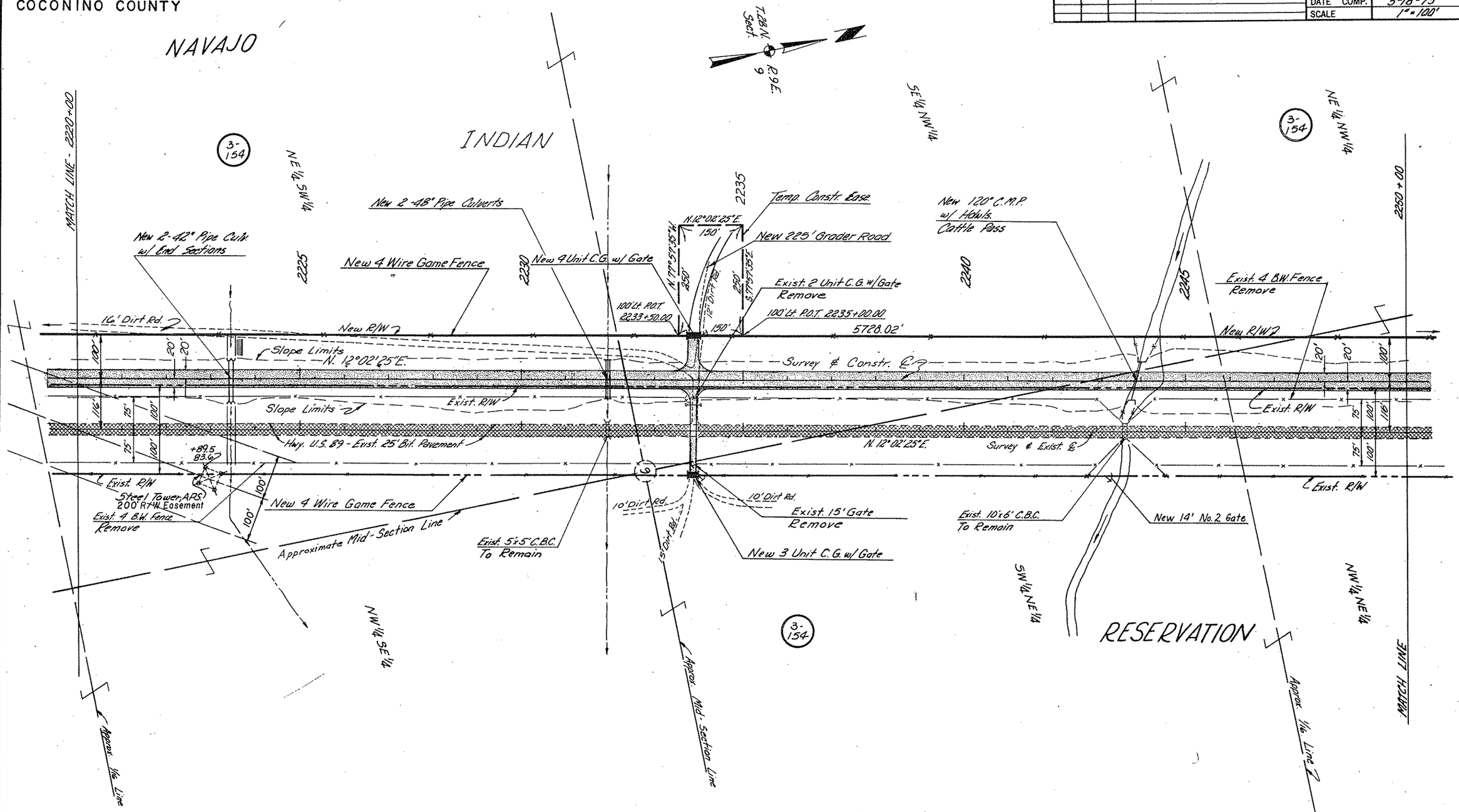
FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
4240	5-7-75	H.C.V.	Added New 14' No. 2 Gate Sta. 2243+00

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	16 of 37
DRAWN BY	G.A.I.
DATE COMP.	3-18-75
SCALE	1" = 100'



CHECKED BY. Ralph L. Robinson

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FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
43.07	7-21-75	D.J.H.	Bid Chg'd 2-42" P.C. Location from 2274+50 to 2272+80	SHEET NO.	17 of 37
				DRAWN BY	G.A.I.
				DATE COMP.	3-18-75
				SCALE	1"=100'

HARD COPY. 6837 W3 CHECKED BY. H.Eyal & H.Johnson

NAVAJO

INDIAN

RESERVATION

T.28 N.
R.9 E.

Sect. Corner - Found 2" I.P. with Brass Cap. U.S.G.L.O. 1916

1/4 Corner Found 1/2" I.P.

Approximate Mid-Section Line

NE1/4 NW1/4

SE1/4 SW1/4

NW1/4 NE1/4

SW1/4 SE1/4

NE1/4 SE1/4

SE1/4 SE1/4

3-154

2250+00

2260

2265

2270

2275

2280+00

2-Ariz. Public Service Co. 6 Cable, 500 K.V., Power Transmission Lines
330' R/W Easement
Steel Towers, A.P.S.

A.P.S. Substation Approx. 1300'

18' Gravel Road

New 6'x5' C.B.C.

New 4 Wire Game Fence

340.54'

P.O.T. 2259+42.35
Section Line Tie

Exist. 4'x8'x18' Sign

2-No. 1 Gates (Locked)

100' Lt. Exist'g P.O.T. 2259+45.71

5729.02'

3469.94'

New R/W

New R/W

Exist. R/W

Slope Limits

N. 12° 02' 25" E.

Survey & Constr. ℄

5383.00'

Slope Limits

Hwy. U.S. 89 - Exist. 27' Bit. Pavement

Survey & Exist. ℄

3546.14'

Exist. R/W

Exist. R/W

Exist. 4 B.W. Fence Remove

Exist. 35° C.M.P. Remove

P.O.T. 2259+66.67
Section Line Tie

Exist. 4 B.W. Fence Remove

New 4 Wire Game Fence

Exist Tele. & Power Line

2 Exist. 10' Gates Remove

New 2-42" Pipe Culv.

Exist. Gate Remove

Exist. 5'x5' C.B.C. To Remain

Exist. 6'x5' C.B.C. To Remain

New Type #1 Gate (Locked)

MATCH LINE

Section Line

N. 89° 49' 58" W.
2184.91'

2643.92'

Sect. Corner - Found 2" I.P. with Brass Cap. U.S.G.L.O. 1916

Approx. 1/16 Line

Approx. 1/16 Line

REDUCED SIZE
DO NOT SCALE

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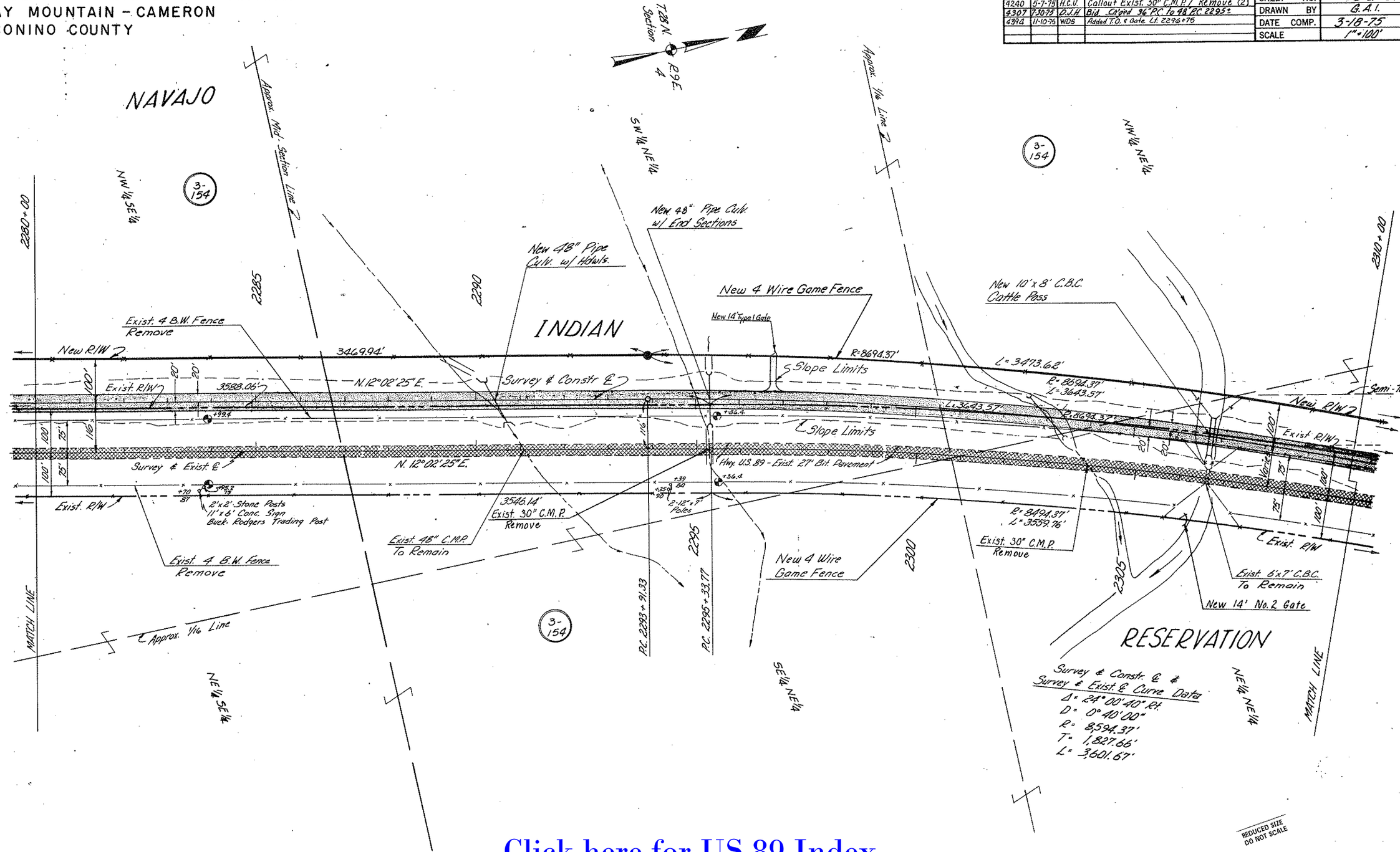
FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS				PROJECT NO.	F-037-1-801
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
4240	5-7-75	H.C.V.	Added New 14' No. 2 Gate	SHEET NO.	18 of 37
4240	5-7-75	H.C.V.	Callout Exist. 30" C.M.P. / Remove (2)	DRAWN BY	A.A.I.
4307	7-30-75	D.J.H.	Bid Chged 36" P.C. to 48" P.C. 2295±	DATE COMP.	3-18-75
4394	11-10-75	W.D.S.	Added T.O. & Gate Lt. 2296+75	SCALE	1"=100'

CHECKED BY: Flagstaff Stationers

HARD COPY 6937M3



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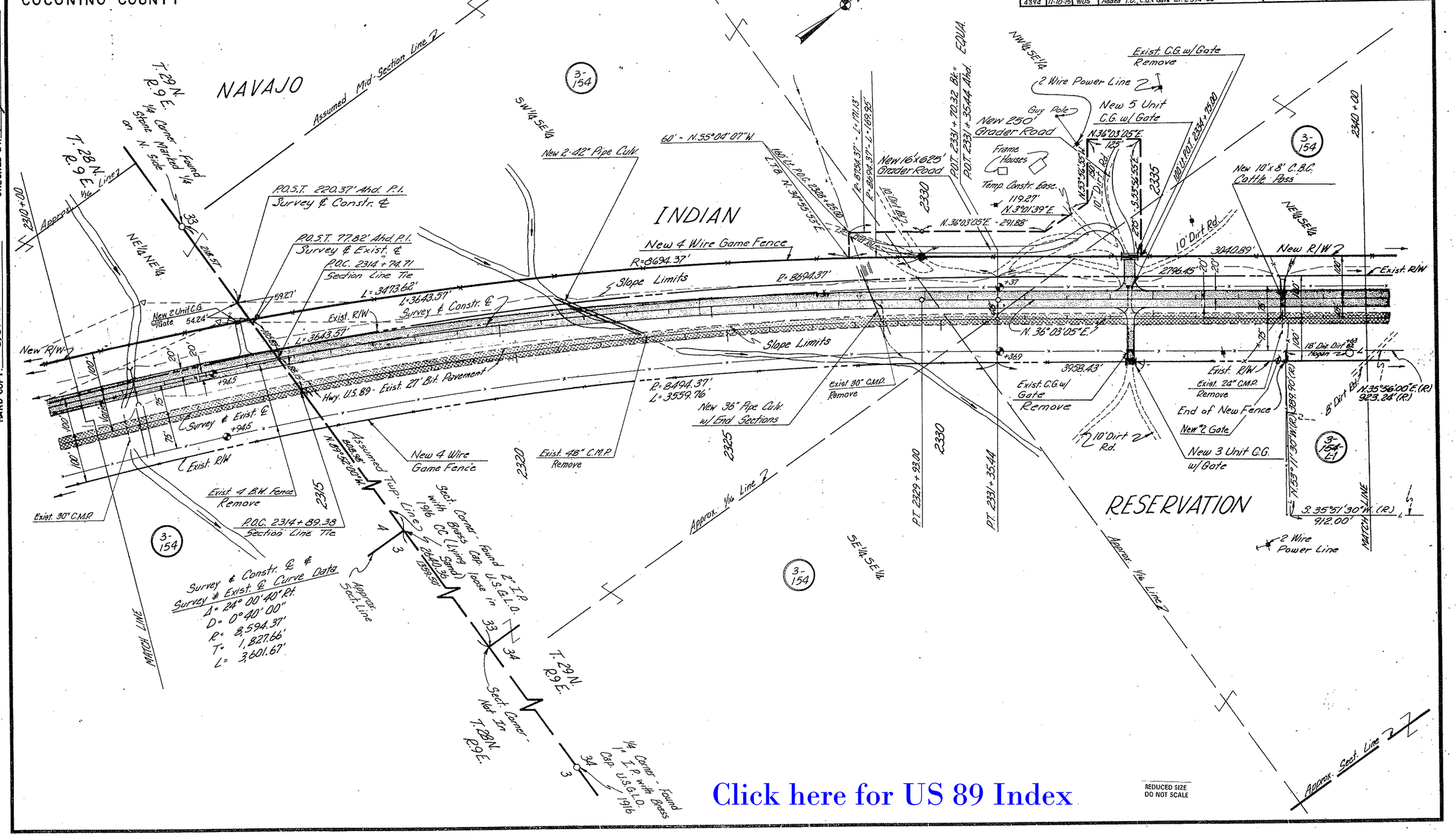
FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS			
C.O. No	DATE	BY	DESCRIPTION
4240	8-14-76	Rene	Callout Exist. 30" - 24" - 30" C.M.P.
4307	7-21-75	D.J.H.	Bid. Removed Riprap & Ditch at Rt. 2321±; Ch'ged 2-42" P.C. Loc. from 2321+50 to 2322+30; Ch'ged 1-36" P.C. Loc. from 2328+50 to 2328+80; Add #2 Gate Rt. 2337+80; Add to Exist. C.M.P. note Remove Rt. 2320
4394	11-10-75	WDS	Added T.O., C.G. & Gate Lt. 2314+00

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	19 of 37
DRAWN BY	G.A.I.
DATE COMP.	3-18-75
SCALE	1"=100'



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REDUCED SIZE DO NOT SCALE

CHECKED BY. Ralph L. Robinson

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FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
4240	5-7-75	Rene	Added I.C.E. sta. 2365
4307	7-21-75	D.J.H.	Bid Add note "End New Fence" Rt. 2355

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	20 of 37
DRAWN BY	G.A.I.
DATE COMP.	3-18-75
SCALE	1" = 100'

CHECKED BY _____ UNITING SURVEY & TRAFFIC ENGINEERS, INC. HARD COPY

NAVAJO

INDIAN RESERVATION

T. 29 N. R. 9 E.

Exist. Grand Canyon Nat'l. Park Rd. 2

Exist. 2'±30' Dirt Dyke

P.C. 1634+37.39

Exist. R/W

N. 3°08'55" E. L.T.B. N 86°51'05" W

50'

New R/W 2

100'

Exist. R/W 2

Hwy. Area 64

Exist. 2'±30' Dirt Dyke

1640

Approx. 1/16 Line 2

Equation:
P.O.C. 1641+00 Survey & Exist. ℄ Bk. =
P.O.C. 1641+00 Constr. ℄ Survey ℄ Ahd.

Approx. 1/16 Line 2

SE 1/4 NE 1/4

3-154

Approx. Mid-Section Line 2

Slope Limits

Exist. R/W 2

Approx. 1/16 Line 2

Exist. ℄ Curve Data
Δ = 11°15'00" Rt.
D = 0°49'00.64"
R = 7000.00'
L = 1,374.45'

Exist. R/W

L = 722.01'
R = 7000.00'

1645+00

MATCH LINE

Hwy. Area 64

L = 116.92'

Slope Limits

R = 5950.00'

R = 6900.00'

Line 1

Constr. ℄ Curve Data
Δ = 27°04'35" Rt.
D = 5°01'00"
R = 954.93'
T = 229.93'
L = 451.27'

Exist. Ramp ℄ Curve Data
Δ = 11°17'04" Rt.
D = 19°05'55"
R = 300.00'
T = 490.29'
L = 613.01'

2355

New Navajo Tribe Water Works Dept. Gate

10' Dirt Rd.

Temp. Constr. Esmt.

Water Tank & Pump House

Shelters

190'

Frame Bldg.

New 4 Wire Game Fence

Exist. 4 B.W. Fence Remove

New 4 Wire Game Fence

8' Dirt Rds

New R/W 2

3040.89'

Survey ℄ Constr. ℄

Slope Limit Exist. R/W 2

2796.45'

N. 36°03'05" E.

+96.35

Slope Limits

Hwy. U.S. 89 - Exist. 27' Bit. Pavement

Slope Limit

Exist. R/W

8' Dirt Rd.

Gravel Parking Area

Buck Rodgers Trading Post

Pump

A.P.S.

Trading Post Burned to Ground 3-8-75

8.2 Acres (R)

Abandoned Power House

Union 76 Conc. Block Building

2-4000 Gal. Gas Tanks

30'x6' Metal Sign

8'x5'x8' Wood Sign

N 35°56' E (R)
923.24' (R)

3958.43'

New 4 Wire Game Fence

End of New Fence

7-2'x2' Wood Boxes - Water & Electric Connections

Texaco Sign Sta. Metal Bldg.

Conc. Base Texaco Sign.

Cafe

Frame Bldg.

150'

50'

Exist. 4 B.W. Fence Remove

148' Rt. P.O.T. 2362+50.00

8.00 Acres (R)

Exist. Cattle Guard w/ Gate Remove

N. 53°56' 55" W.

130'

15' Dirt Rd.

Temp. Constr. Ease.

S. 53°56' 55" E.

350'

S. 36°03'05" W.

New 18'x300' Grader Rd.

Exist. 4 B.W. Fence Remove

148' Rt. P.O.T. 2362+00.00

New 4 Unit C.G. w/ Gate

36'x15' Plymouth Navajo Trail Sign

New 4 Wire Game Fence

148' Rt. P.O.T. 2366+00.00

430.22' (R)
N. 53°56' 55" W. (R)

810.0' (R)
S. 36°03' W. (R)

912.00' (R)
S. 35°51'30" W. (R)

388.70' (R)
S. 53°34' E. (R)

3-154-L-1

3-154-L-2

MATCH LINE

Section 33 T. 29 N. R. 9 E.

Section 34 T. 29 N. R. 9 E.

NE 1/4 SE 1/4

SW 1/4 NW 1/4

NW 1/4 NE 1/4

1/4 Corner - Found 1" I.P. with Brass Cap U.S.G.L.O. 1916

Sect. Corner Not In

Sect. Corner Not In

2340+00

2345

2350

2355

2360

2365

2370+00

1650

1655

1660

P.C. 1650+32.82

P.C. 1650+36.50 Constr. ℄ Sect. Line 2

Approx. New 2-36" Pipe Culv. w/ Hdw's.

Exist. 48" C.M.P. Remove

Exist. Ramp ℄ Curve Data
Δ = 64°55'25" Lt.
D = 5°43'47"
R = 1000.00'
T = 611.88'
L = 1098.22'

100' Lt. P.O.T. 2359+99.01 Constr. ℄
100' Rt. P.O.C. 1654+41.82 Hwy. 64

100' Lt. P.O.T. 2361+99.20 Constr. ℄
100' Lt. P.O.C. 1654+50.54 Hwy. 64

P.C. 1651+54.41

Navajo Tribal Util. Authority

Conc. Block Sign

P.O.T. 1655+46.65 Hwy. 64
P.O.T. 2361+00.00 Hwy. 89

L.T.B. S. 56°42'20" E.

P.T. 1654+87.77 Constr. ℄

New 4 Wire Game Fence

L = 733.71'

N 36°03'05" E 2102.01'

New R/W 2

Exist. R/W 2

513.95'

Slope Limit N. 36°03'05" E.

New 7 Unit Cattle Guard No Gate

New 4 Wire Game Fence

Exist. Cattle Guard Remove

8'x8' Wood Shelter

4'x10' Ariz. Hwy. Metal Sign

8'x4' Hwy. Sign

2'x3' Hwy. Sign

8'x5'x5' Metal Sign Grand Canyon Nat'l. Park

8'x8'x7' Wood Shelters

347.23'

345.55'

445.14'

Exist. 2'±30' Dirt Rd.

Exist. R/W 2

Exist. 2B Bit. Surface

Survey ℄ Exist. Hwy. 64 = Survey ℄ Exist. Ariz. Hwy. 64

P.T. 1651+31.04 Ariz. Hwy. 64
P.O.T. 2368+84.06 Survey ℄ Exist. ℄

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FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
4240	6-7-76	Rene	Callout Exist 2-30" CMP. Sta. 2389+28	SHEET NO.	21 of 37
				DRAWN BY	G.A.I.
				DATE COMP.	3-18-75
				SCALE	1"=100'

CHECKED BY: Hugh E. Nelson
HARD COPY: OKAY

T. 29 N. R. 9 E.

SW¼ SW¼

Sect. Corner Not Tie

28 33 34 27

NE¼ NE¼

NAVAJO

3-154

NW¼ NW¼

2370+00

P.O.T. 0+00 Begin Conn

P.O.T. 2370+93.87

Rd. Conn. Curve Data
Δ = 5°33'20" Lt.
D = 1°30'00"
R = 3819.72'
T = 185.33'
L = 370.37'

Rd. Conn. Curve Data
Δ = 30°33'10" Lt.
D = 1°00'00"
R = 5729.58'
T = 177.70'
L = 355.28'

Approx. 1/16 Line

Approx. 1/16 Line

Survey ≠ Exist. ℄ Curve Data
Δ = 11°28'40" Lt.
D = 1°00'00"
R = 5729.58'
T = 575.82'
L = 1147.78'

NE¼ SW¼

New 4 Wire Game Fence

New R/W

2102.01'

513.95'

N. 36°03'05" E.

Exist. R/W

Conn. Constr. ℄

New Fence Ends

Δ = 1205.17'

P.O.C. 2378+85.44 Conn

P.O.S.T. 198.90' Ahd. P.I.

P.O.C. 2378+95.37 Section Cor. Tie

N. 36°03'05" E.

69.10

R = 34,477.48'

N. 41°36'25" E.

Slope Limits

+91

+94

P.I. 10+81.72 Conn

S. 5°56'25" E.

EQUATION:
P.O.T. 12+61.82 Ahd Conn ℄ =
P.O.T. 2388+33.24 Exist. ℄ Survey ℄ Ahd.

2385

INDIAN

SE¼ SW¼

2390

P.C. 2390+93.51

2395

2400

Hwy. U.S. 89 - Exist. 27' Bit. Pavement

N. 38°03'15" E.

To Page 82 Mi.

Survey ≠ Exist. ℄

Exist. R/W

100'

25'

3958.43'

Exist. R/W
40'x 15' Metal Sign
Cameron Trading Post

Exist. 4 B.W. Fence To Remain

Exist. 6'x 2' Dirt Dike

Exist 2-30" C.M.P.

Exist. 36" C.M.P.

2375

New 4 Wire Game Fence

Exist. 4 B.W. Fence Remove

P.I. 14+85.04 Conn

END R/W PROJ. F-037-1-807

P.O.C. 2378+95.37

2380

New Fence Ends

N. 89°56'00" E. (Calc.)

MATCH LINE

P.C. 2370+93.87

P.C. 1+14.67 Conn

P.O.T. 2370+93.87

END CONSTR. PROJ. F-037-1(7)

Survey ≠ Exist. ℄ Curve Data
Δ = 2°00'10" Rt.
D = 0°10'00"
R = 34,377.48'
T = 600.89'
L = 1201.67'

3-154

NE¼ NW¼

¼ Corner Not Tie

Assumed Section Line 27 34

3820.35' (Calc.)

Section Corner Found 2" I.P. with Brass Cap by U.S.G.L.O. 1916

27 34 35 26

RESERVATION

Approx. Mid-Section Line

SW¼ SE¼

P.O.S.T. 198.90' Ahd. P.I.

N. 38°03'15" E.

2.94'

Survey ≠ Exist. ℄

P.O.C. 2378+95.37

To Section Corner 3820.35' (Calc.)

Assumed Sect. Line

Not To Scale

Click here for US 89 Index

FLAGSTAFF - CAMERON HIGHWAY
GRAY MOUNTAIN - CAMERON
COCONINO COUNTY

B.I.A. APPLICATION

REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
4307	7-30-75	D.J.H.	Bid Ch'ged T.C.E. Ac. of Par. 3-154, Sec. 33	SHEET NO.	22 of 37
				DRAWN BY	R.R.
				DATE COMP.	3-18-75
				SCALE	

THIS SHEET IS A PART OF THE R/W PLANS AS INDICATED BY THE SHEET NUMBER IN THE UPPER RIGHT HAND CORNER; HOWEVER, FOR USE AS AN APPLICATION, THIS SHEET SHALL BECOME THE FIRST SHEET OF THE APPLICATION PLANS.

Application is hereby made for highway right of way 200' Wide, 100' Left and 100' Right of the Survey ℄.

ARIZONA DEPARTMENT OF TRANSPORTATION

Date: 3/31/75 [signature] State Engineer

U.S. DEPARTMENT OF INTERIOR
BUREAU OF INDIAN AFFAIRS
NAVAJO INDIAN AGENCY OFFICE
WINDOW ROCK, ARIZONA

These plans are hereby approved pursuant to the provisions of the act of February, 5, 1948 (62 Stat. 17) and Departmental Regulations 25 CFR 161 subject to any prior valid existing right of adverse claim, and also subject to any and all conditions stated in Resolution No. _____ adopted by the _____ Tribal Council on _____, 19__

Date

PARCEL NUMBER	DESCRIPTION	AREA REQUIRED GROSS	AREA REQUIRED NET	EASEMENT	SHEET NUMBER
3-154	Part of E½ SE¼ Section 31, T. 28N., R.9E.	10.90 Ac.	2.69 Ac.		7,8 & 9
	Parts of NW¼ SW¼ & NW¼, Section 32, T. 28N., R.9E.	29.80 Ac.	15.10 Ac.		8 & 9
	Parts of S½, SE¼ SE¼ NW¼ & NE¼, Section 29, T. 28N., R.9E.	56.48 Ac.	29.13 Ac.		9,10 & 11
	Parts of E½ SE¼ & E½ SE¼ NE¼, Section 20, T. 28N., R.9E.	24.28 Ac.	12.11 Ac.		12
	Parts of NW¼ NW¼ SW¼ & W½ NW¼, Section 21, T. 28N., R.9E.	18.19 Ac.	5.84 Ac.	T.C.E. 0.43 Ac.	12 & 13
	Parts of SW¼ & NW¼, Section 16, T. 28N., R.9E.	39.31 Ac.	20.65 Ac.		13,14 & 15
	Parts of E½ SW¼, E½ SE¼ NW¼ & W½ W½ NE¼, Section 9, T. 28N., R.9E.	39.18 Ac.	14.38 Ac.	T.C.E. 1.65 Ac.	15,16 & 17
	Parts of W½ SE¼ & NE¼, Section 4, T. 28N., R.9E.	39.28 Ac.	13.92 Ac.		17,18 & 19
	Parts of SE¼ & E½ NE¼, Section 33, T. 29N., R.9E.	29.57 Ac.	8.85 Ac.	~~1.64 Ac.~~ T.C.E. 1.99 Ac.	19 & 20
	Part of NW¼, Section 34, T. 29N., R.9E.	15.80 Ac.	2.15 Ac.	T.C.E. 1.21 Ac.	20 & 21

TYPE OF R/W REQUIRED

- [X] Highway R/W
- [ ] Drainage Easement
- [X] Temporary Construction Easement
- [ ] Slope Easement

ENGINEER'S AFFIDAVIT

STATE OF ARIZONA } SS
COUNTY OF MARICOPA }

Oscar T. Lyon, Jr. being first duly sworn, deposes and states that he is the Chief Deputy State Engineer for the State of Arizona, that the survey of the highway center line was made and that these plans were prepared from field notes of said survey, and that the right of way is 7.589 miles in length, beginning at Station 1977+90.89 and ending at Station 2378+95.37, and said right of way is accurately delineated on the plans attached.

[signature] Chief Deputy State Engineer

Subscribed and sworn to before me this 31st day of March, 1975.

[signature] Notary Public, My Commission Expires: Sept. 28, 1975

APPLICANT'S CERTIFICATE

I, Wm. N. Price, do hereby certify that I am the State Engineer for the State of Arizona hereinafter designated the applicant, that Oscar T. Lyon, Jr. who subscribed to the foregoing affidavit is employed by the applicant as Chief Deputy State Engineer and that he was directed by the applicant to survey the location of a highway center line and to prepare these plans; that the location of said center line, 7.589 miles in length beginning at Station 1977+90.89 and ending at Station 2378+95.37 is accurately represented on these plans; that such survey as represented on these plans has been adopted by the applicant as the definite location of the highway center line and right of way hereby shown, and that these plans have been prepared to be filed for the approval of the Secretary of the Interior or his duly authorized representative as part of the application for said right of way to be granted the applicant, its successors and assigns, with the right to construct, maintain, and repair improvements thereon and thereover, for such purposes, and with the further right in the applicant, its successors and assigns, to transfer this right of way by assignment, grant or otherwise.

Date: 3/31/75 By [signature] State Engineer

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CHECKED BY Ralph L. Robinson
HARD COPY 6937M/M2&M3
BRUNING 44-512

FLAGSTAFF–CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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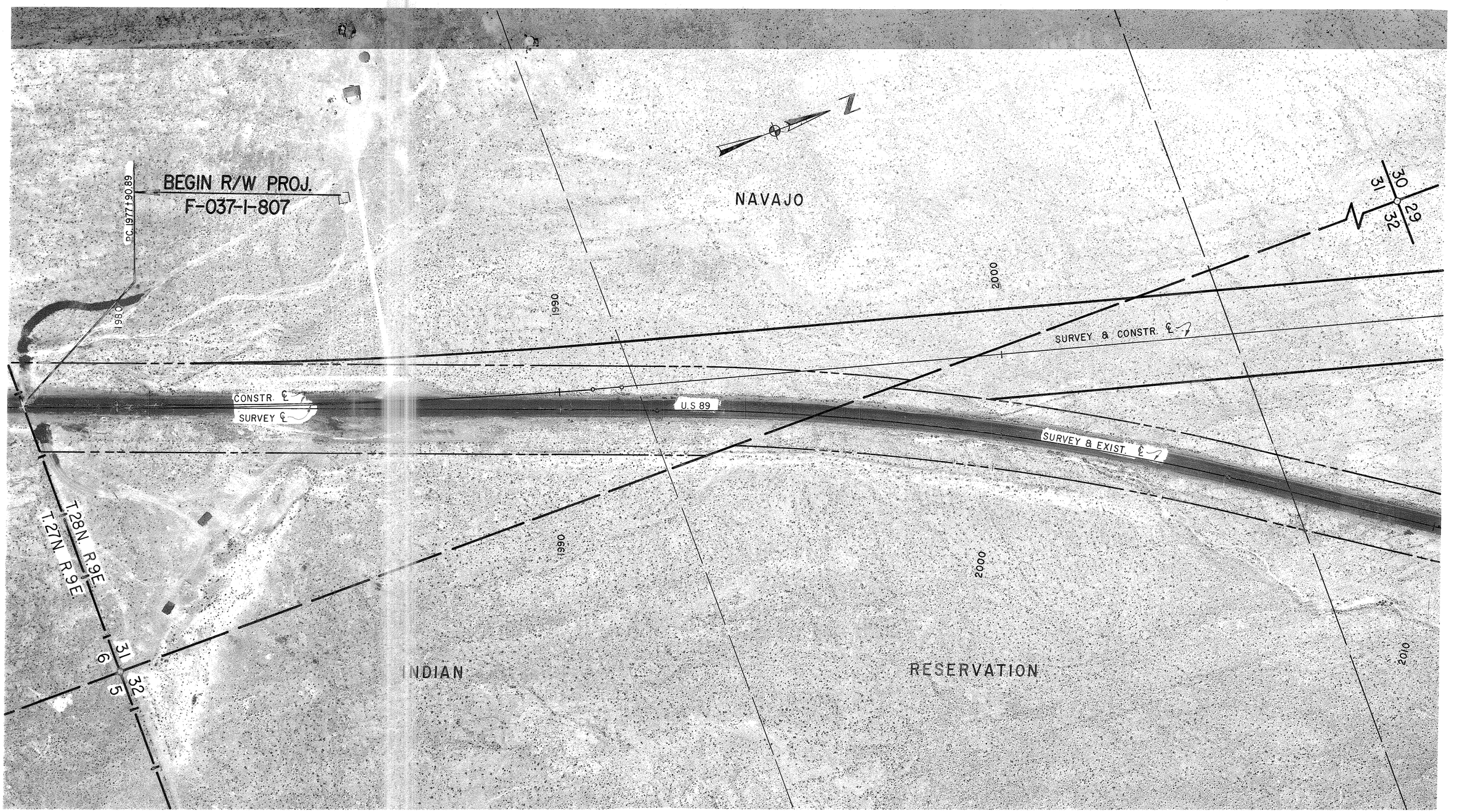
REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
				SHEET NO.	23 of 37
				DRAWN BY	BOB O.
				DATE COMP.	3-18-75
				SCALE	1"=100'



REF: JOB NO. 1387 FLIGHT. 1 EXP. 3 DATE. 7-12-74 CHECKED BY. Ralph A. Johnson

FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	24 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'

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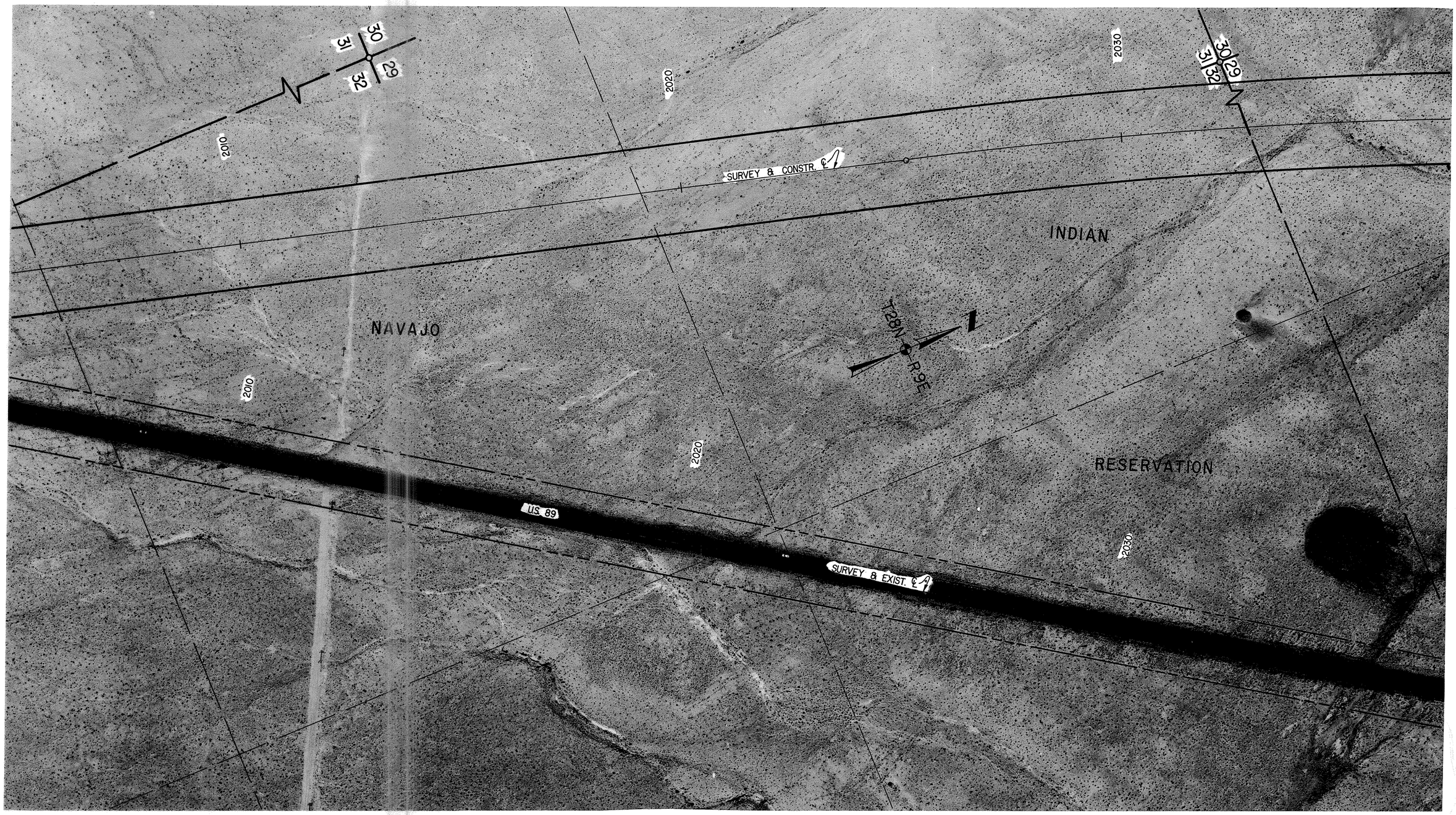

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FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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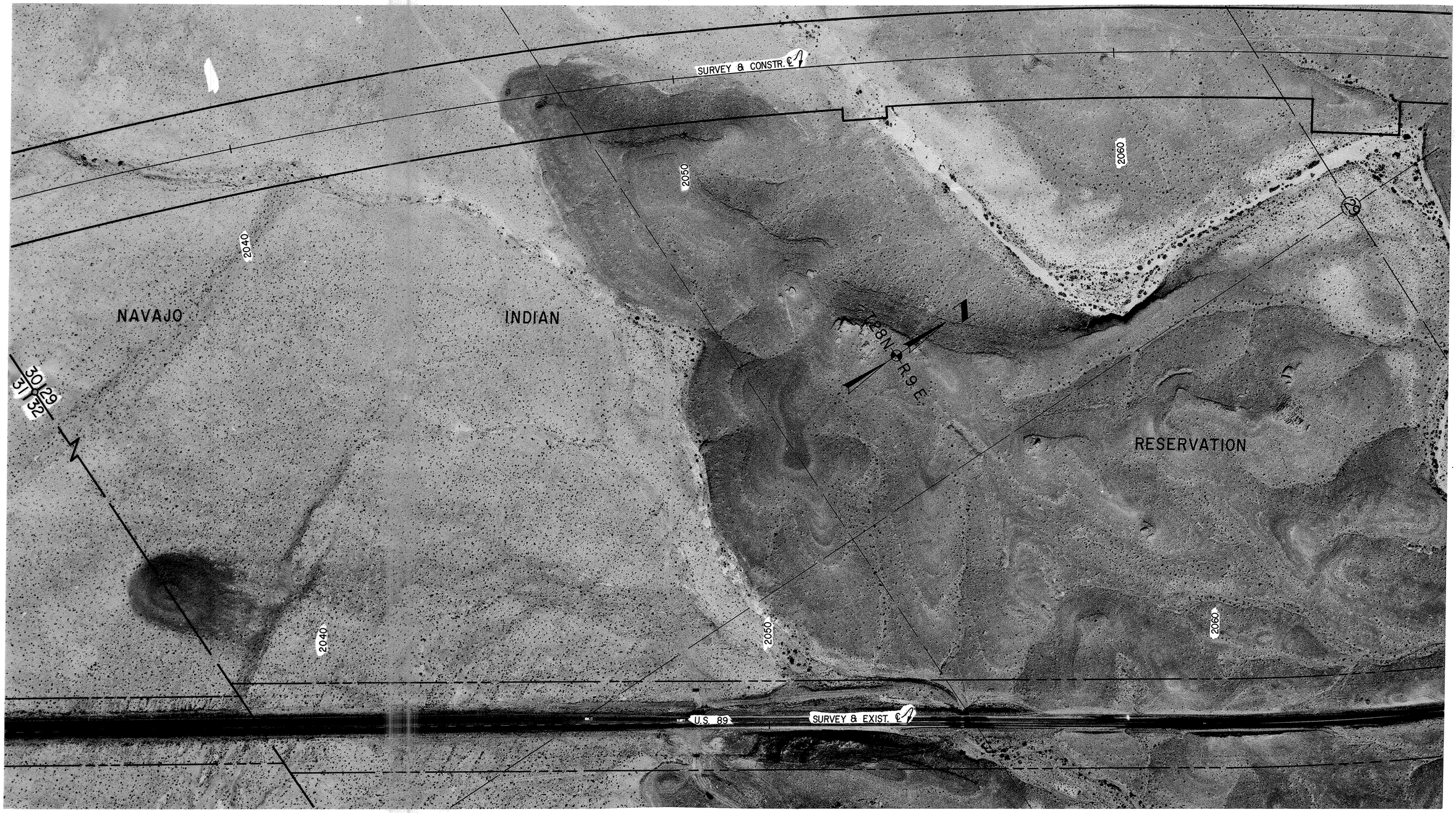
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	25 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'

REF: JOB NO. 1387 FLIGHT. 1 EXP. 6 DATE. 7-12-74 CHECKED BY. Robert A. Johnson



FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
				SHEET NO.	26 of 37
				DRAWN BY	C. PEPPER
				DATE COMP.	3-18-75
				SCALE	1"=100'

REF: JOB NO. 1387 FLIGHT. 1 EXP. 7 DATE. 7-12-74 CHECKED BY. Robert L. Peterson

FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON
COCONINO COUNTY

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REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	27 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'

REF: JOB NO. 1387 FLIGHT. 1 EXP. 9 DATE. 7-12-74 CHECKED BY. Taylor & Johnson

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GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	28 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'

REF: JOB NO. 1387 FLIGHT. ___ EXP. 10 DATE. 7-12-74 CHECKED BY. Ralph A. Blevins

FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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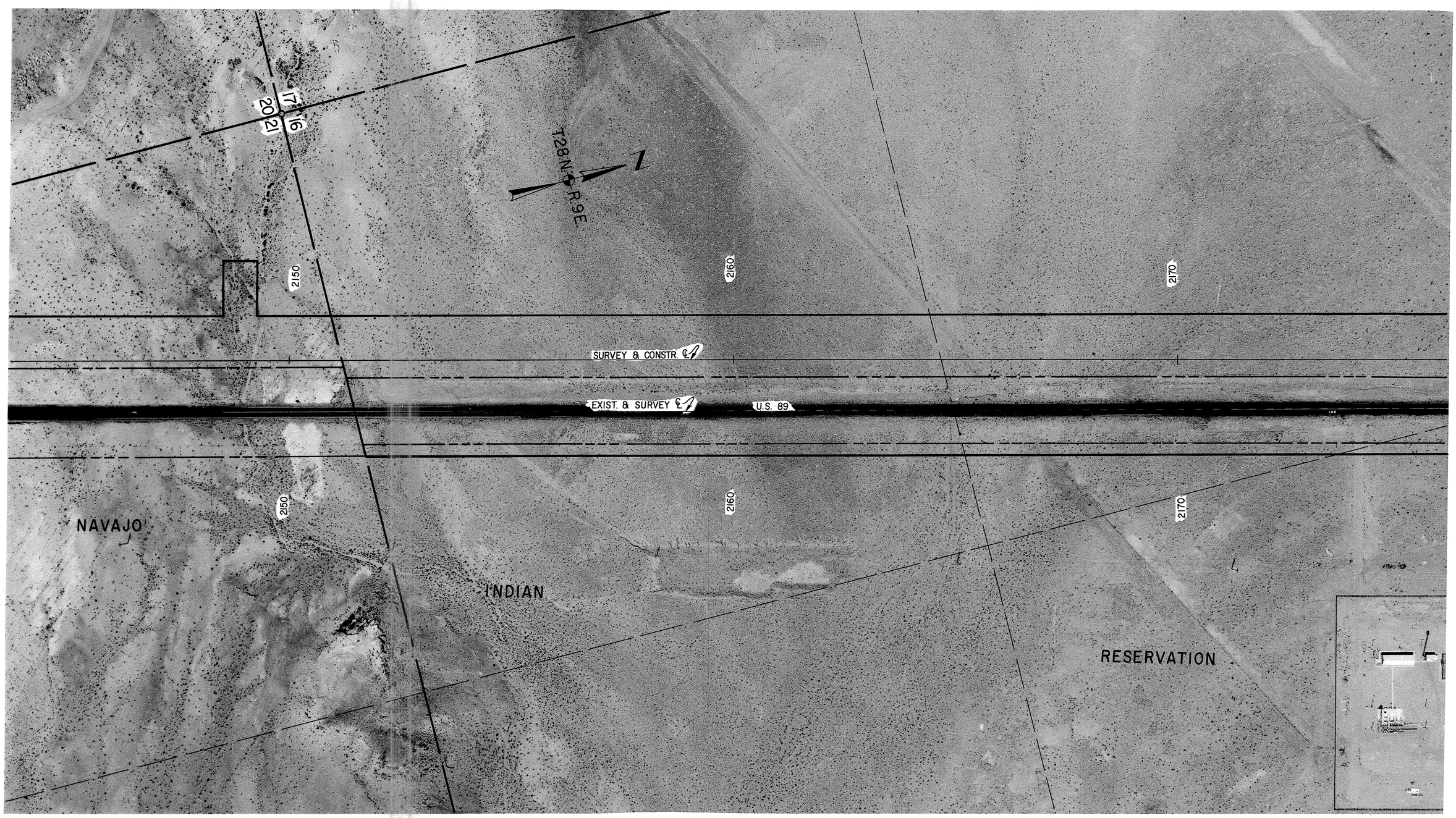
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	29 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'

REF: JOB NO. 1387 FLIGHT. ___ EXP. 12 DATE. 7-12-74 CHECKED BY. Ralph L. Hibner



FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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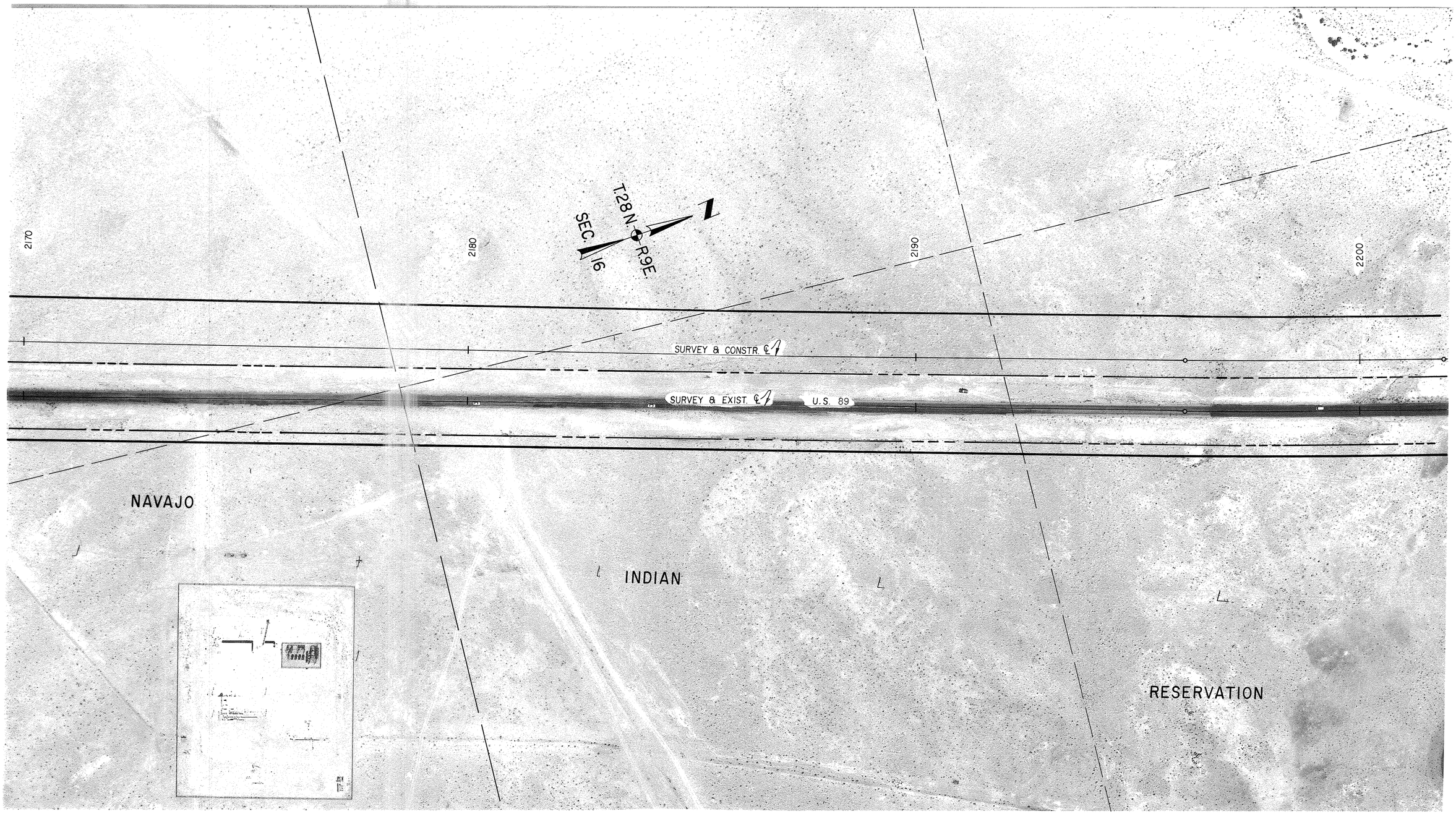
REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
				SHEET NO.	30 of 37
				DRAWN BY	C. PEPPER
				DATE COMP.	3-18-75
				SCALE	1"=100"

REF: JOB NO. 1387 FLIGHT. 1 EXP. 13 DATE. 7-12-74 CHECKED BY. Ralph C. Johnson



FLAGSTAFF - CAMERON HWY.

GRAY MOUNTAIN - CAMERON

COCONINO COUNTY

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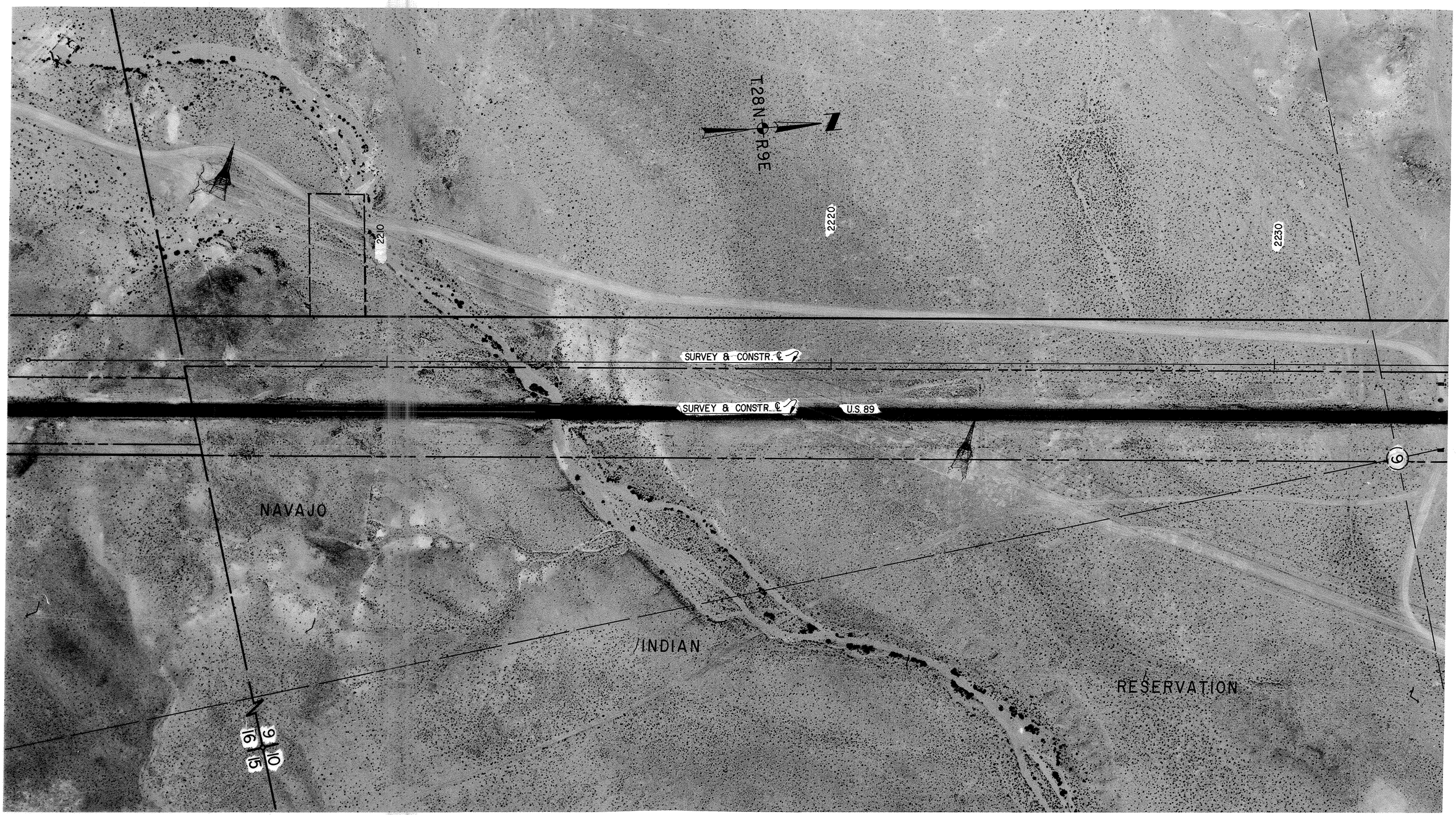
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	31 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100"



REF: JOB NO. 1387 FLIGHT. 2 EXP. 5 DATE. 7-12-74 CHECKED BY. Ralph L. Robinson

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GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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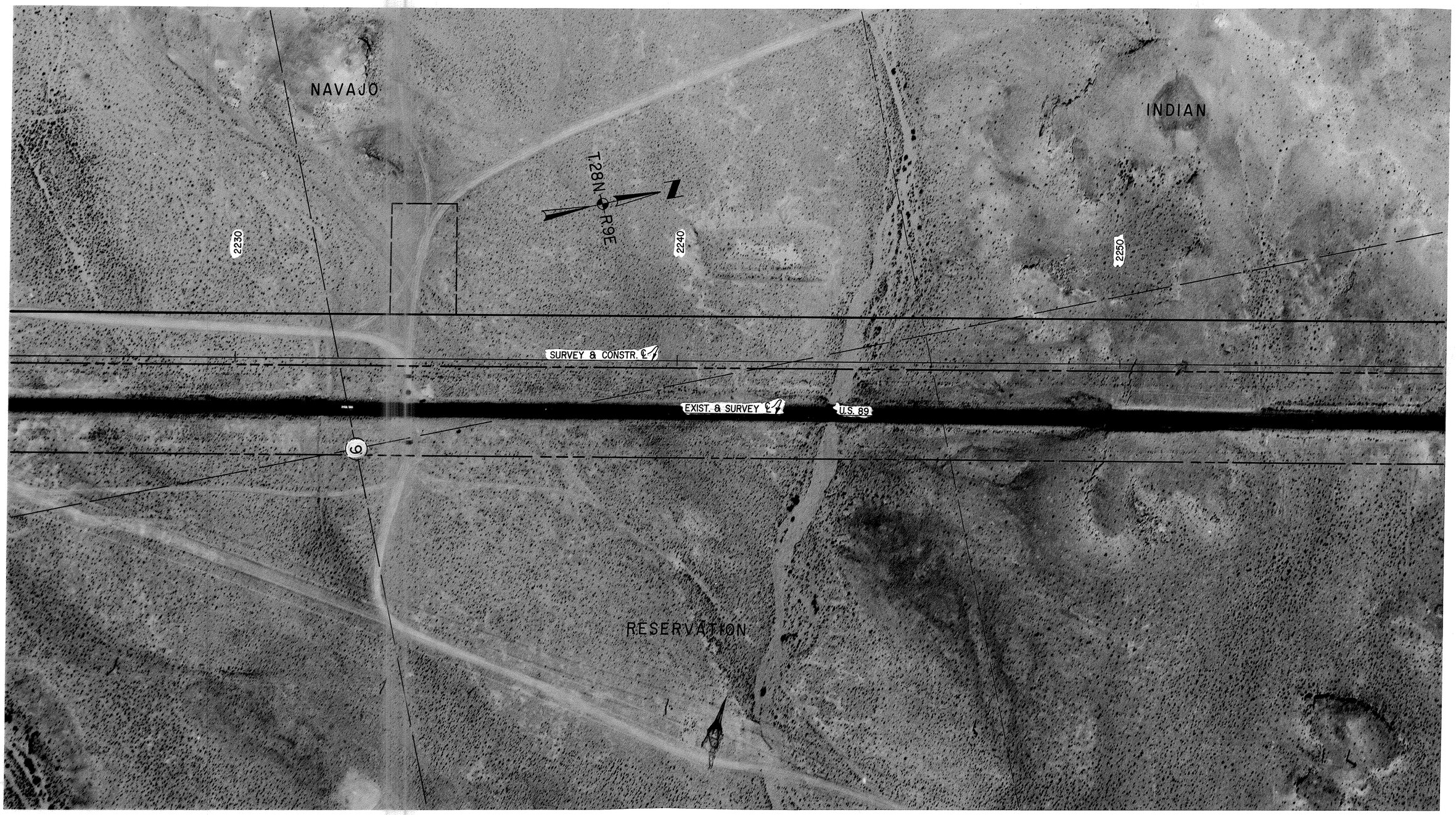
REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
				SHEET NO.	32 of 37
				DRAWN BY	C. PEPPER
				DATE COMP.	3-18-75
				SCALE	1"=100"

REF: JOB NO. 1387 FLIGHT. 2 EXP. 6 DATE. 7-12-74 CHECKED BY. Ralph L. Robinson



FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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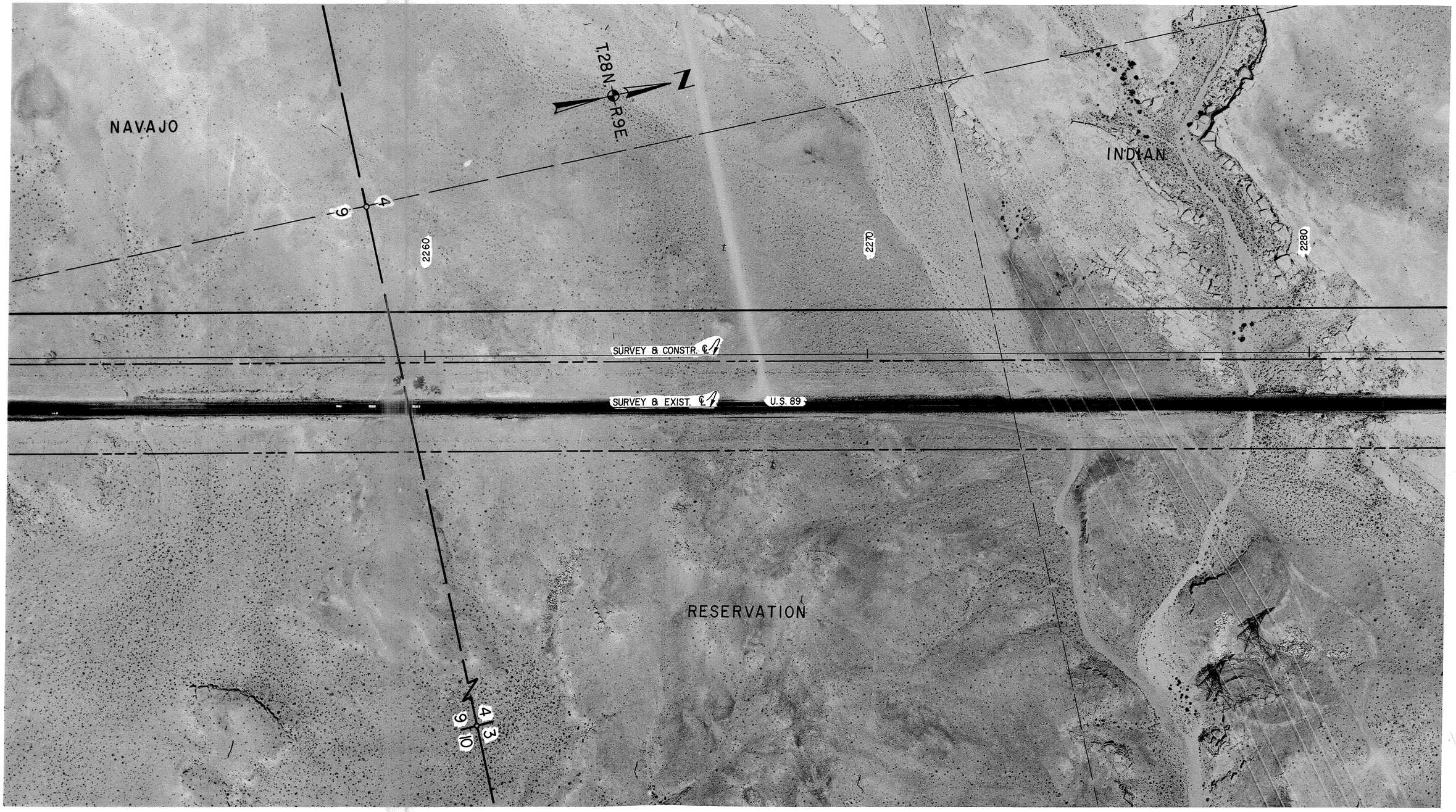
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	33 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'



REF: JOB NO. 1387 FLIGHT. 2

EXP. 7 DATE. 7-12-74 CHECKED BY. Ralph L. Holmes

FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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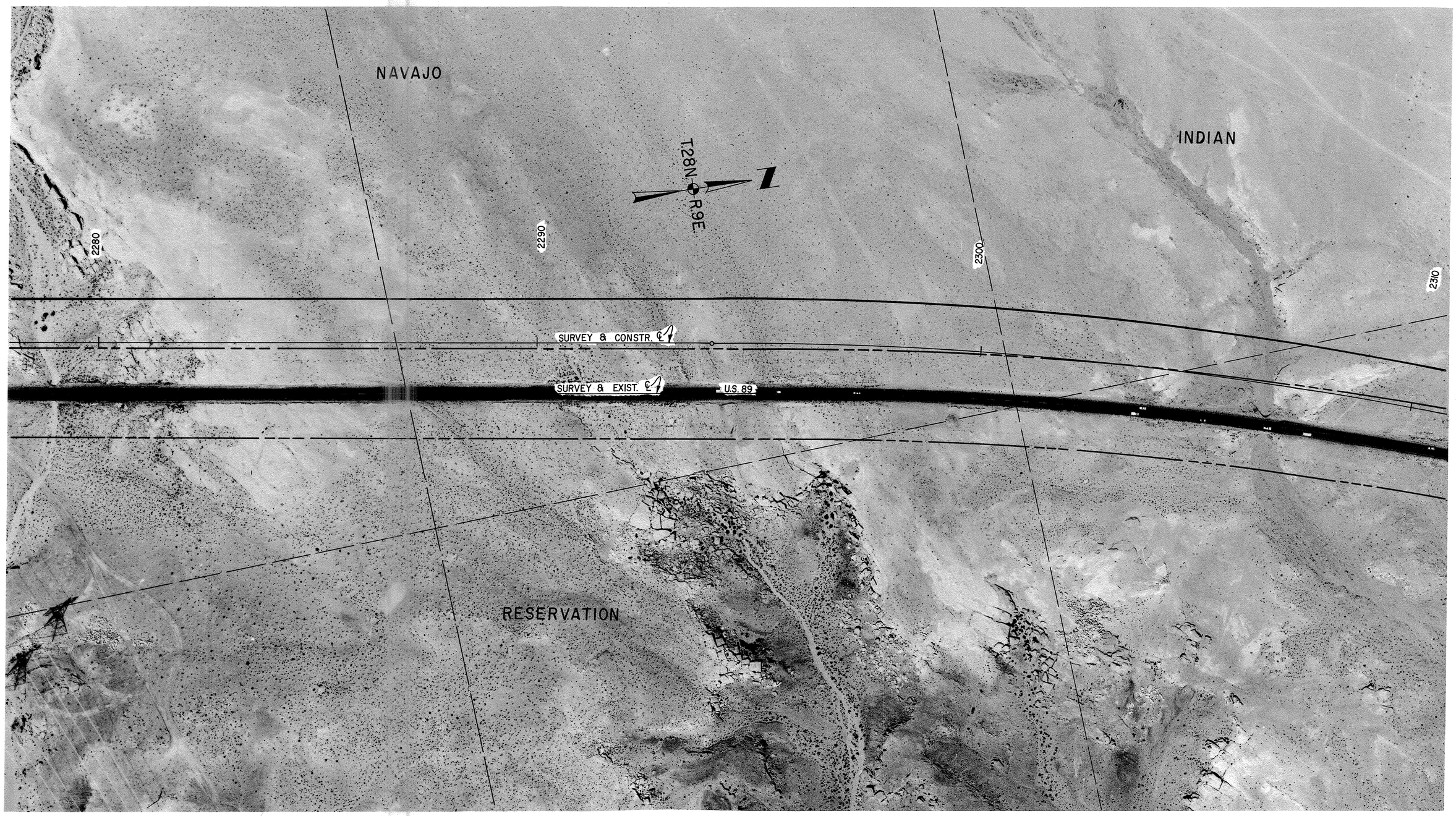
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	34 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'



REF: JOB NO. 1387 FLIGHT. 2 EXP. 9 DATE. 7-12-74 CHECKED BY. Ralph L. Holmes

FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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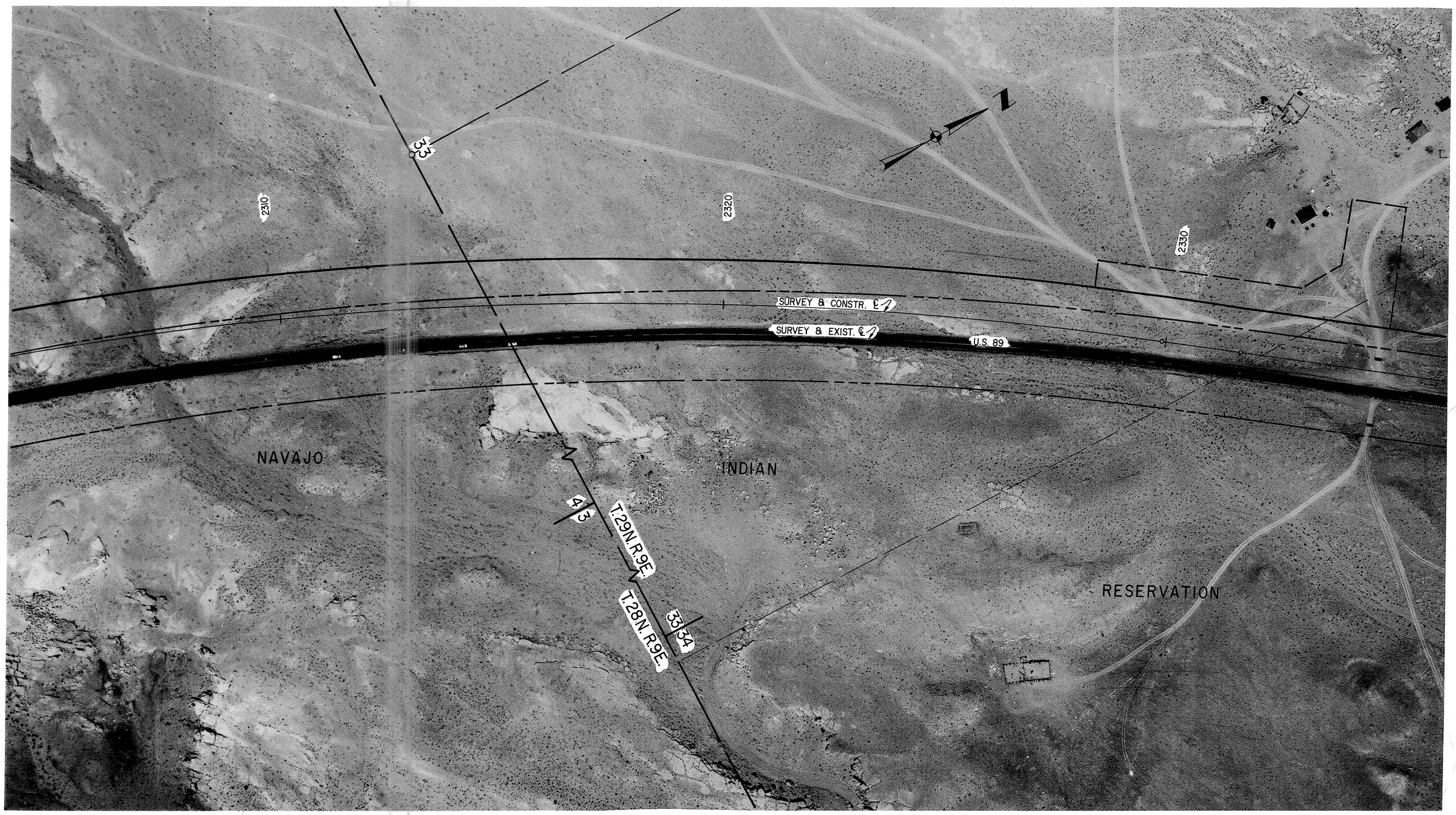
REVISIONS					
C.O. No.	DATE	BY	DESCRIPTION		
				PROJECT NO.	F-037-1-807
				DRAWING NO.	D-3-T-601
				SHEET NO.	35 of 37
				DRAWN BY	C. PEPPER
				DATE COMP.	3-18-75
				SCALE	1"=100'



REF: JOB NO. 1387 FLIGHT. 2 EXP. 10 DATE. 7-12-74 CHECKED BY. Ralph L. Holman

FLAGSTAFF – CAMERON HWY.

GRAY MOUNTAIN – CAMERON

COCONINO COUNTY

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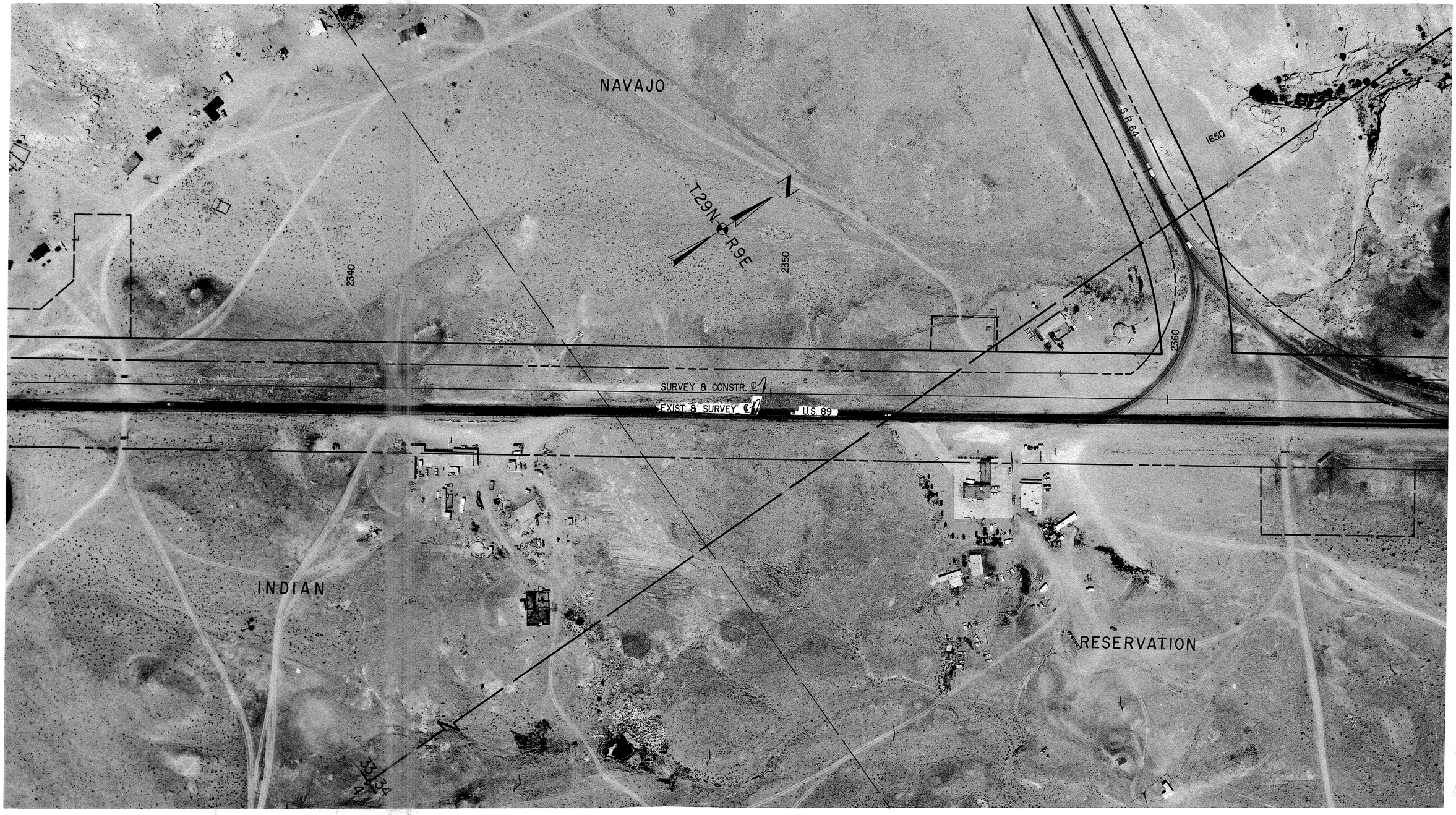
REVISIONS				PROJECT NO.	F-037-1-807
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-3-T-601
9307	7-30-75	D.J.H.	Bid. Added T.C.E. LT. 2355	SHEET NO.	36 of 37
				DRAWN BY	C. PEPPER
				DATE COMP.	3-18-75
				SCALE	1"=100'

REF: JOB NO. 1387 FLIGHT. 3 EXP. 5 DATE. 7-12-74 CHECKED BY. Hughes & Associates



FLAGSTAFF - CAMERON HWY.

GRAY MOUNTAIN - CAMERON

COCONINO COUNTY

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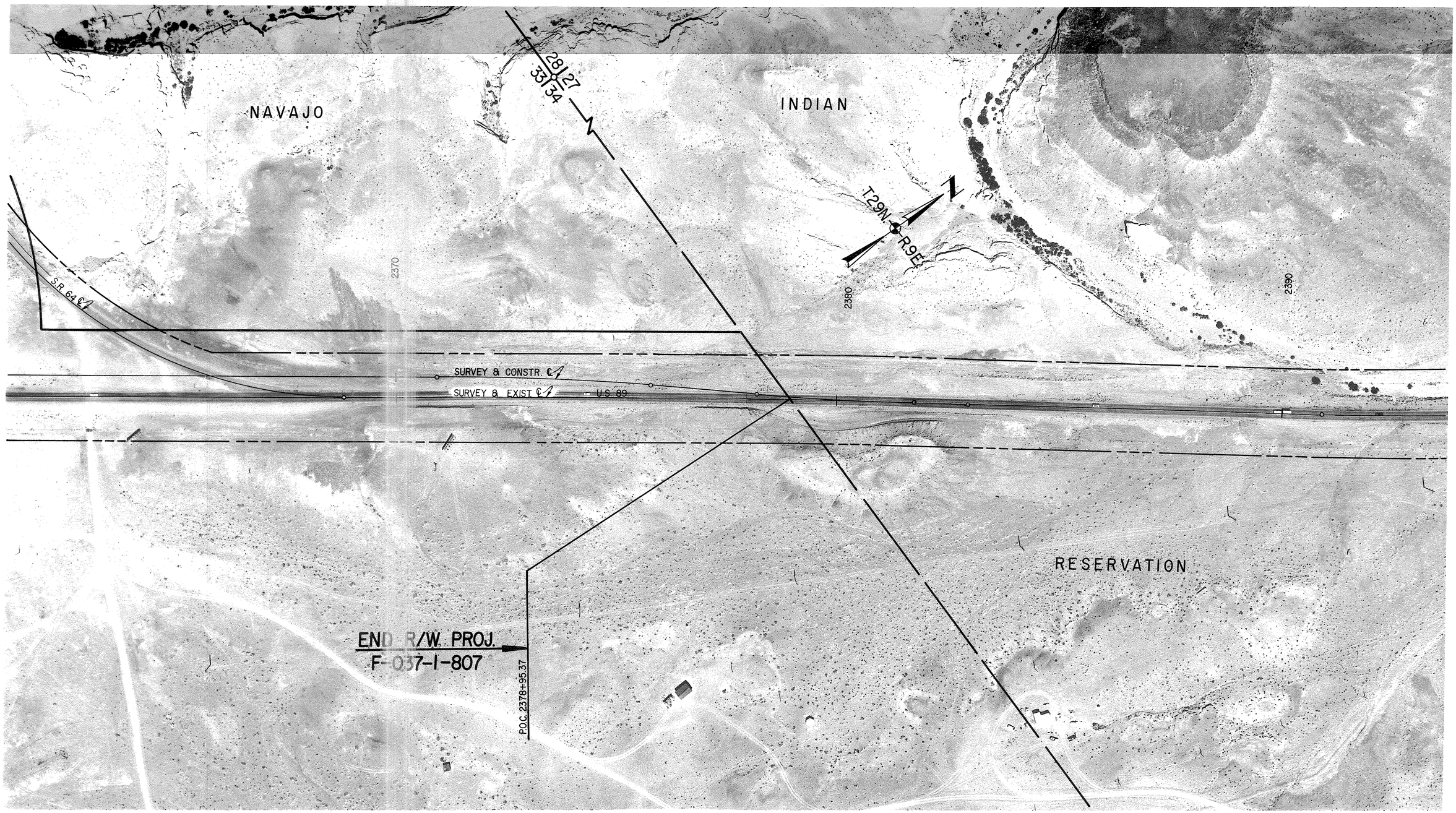
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	F-037-1-807
DRAWING NO.	D-3-T-601
SHEET NO.	37 of 37
DRAWN BY	C. PEPPER
DATE COMP.	3-18-75
SCALE	1"=100'



REF: JOB NO. 1387 FLIGHT. 3 EXP. 6 DATE. 7-12-74 CHECKED BY. Ralph L. Robinson