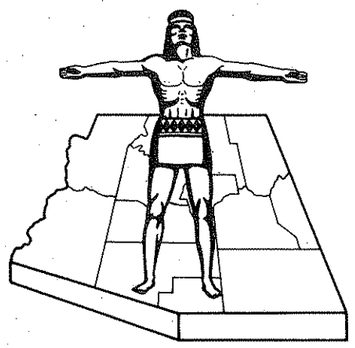


STATE OF ARIZONA
STATE HIGHWAY DEPARTMENT

FINALIZED

FED.ROAD DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	ARIZ.	I-19-1(18)6	1	15

RIGHT OF WAY MAP NO. D-12-T-314

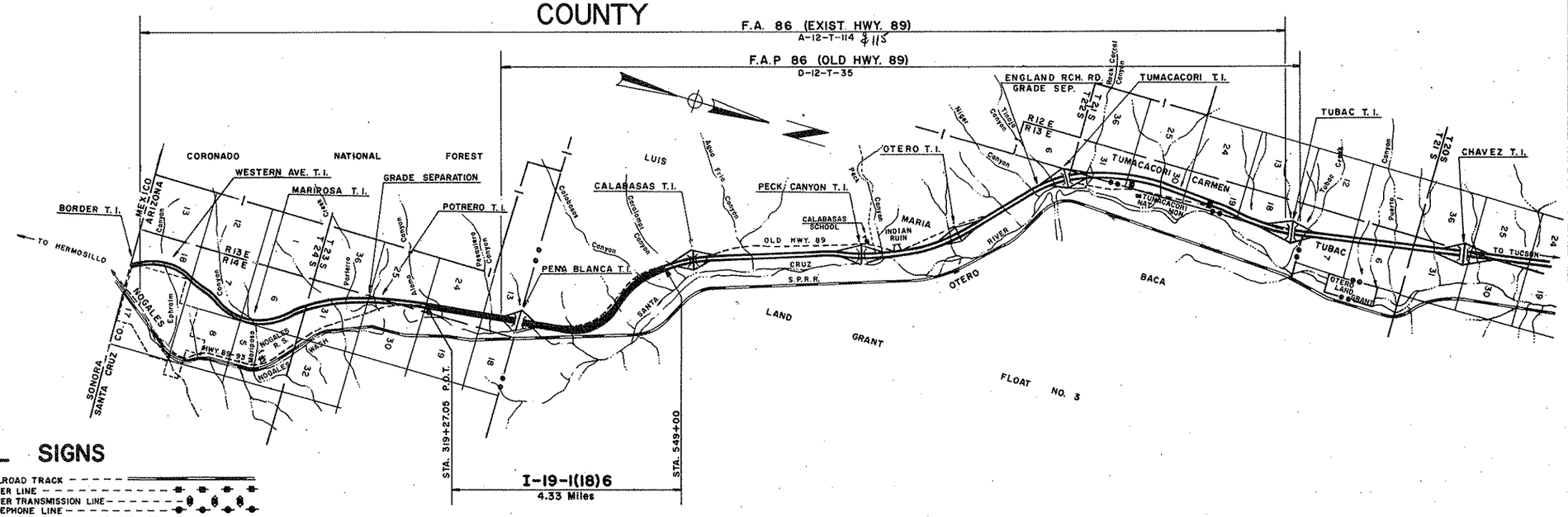
ALIGNMENT, RIGHT OF WAY, AND CONTROL OF ACCESS APPROVED IN ACCORDANCE WITH HIGHWAY PLANS.
SHEET 1 THRU 12
DATE 8-18-65 H.H. Chadwick DEPUTY STATE ENGINEER

APPROVED IN ACCORDANCE WITH RESOLUTION DATED: 23 March 1966, MINUTES OF THE ARIZONA HIGHWAY COMMISSION RES. NO.: 66-30

A.F.E. NO. 19A02

4790 | 3-22-77 | R.HM. | Finalized

RIGHT OF WAY PLAN OF THE
NOGALES-TUCSON
STATE HIGHWAY
PROJECT NO. I-19-1(18)6
SANTA CRUZ
COUNTY



CONVENTIONAL SIGNS

HIGHWAY CENTER LINE (New) (Existing)
HIGHWAY R/W LINE (New) (Existing)
CONTROLLED ACCESS (Denied) (open) (Existing)
R.R. R/W COMMON to HIGHWAY R/W (Existing)
R.R. R/W LINE
TOWNSHIP and RANGE LINE
SECTION LINE
1/4 LINE or MID. SEC. LINE
1/16 LINE
PROPERTY LINE (except at a Subdivision)
SUBDIVISION or LOT LINE
ORIGINAL LOT LINE
STATE and NATIONAL BOUNDARIES
COUNTY LINE
CITY LIMITS
LAND GRANTS BOUNDARIES
FOREST, NATIONAL MONUMENTS, MILITARY BASES and INDIAN RESERVATION
SURVEY MEANDER LINE
NEW R/W CONTROL POINT
EXISTING R/W CONTROL POINTS
EXISTING R/W MARKER
PARCEL NUMBER (7-001)

RAILROAD TRACK
POWER LINE
POWER TRANSMISSION LINE
TELEPHONE LINE
COMBINATION TELEPHONE & POWER LINE
UNDERGROUND TELEPHONE CABLE
WATER LINE
GAS LINE (Show size & kind in alternate spaces)
SEWER LINE
STORM DRAIN
CHAIN LINK FENCE
BARBED WIRE FENCE (call out type)
STREET LIGHT (on ext. arm)
WATER METER
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
DOWN GUY
MANHOLE
ROAD (existing)
PROPERTY ANCHOR BARS
PROPERTY LIMITS ARROWS
TRAFFIC FLOW ARROWS
CANAL, CHANNEL or DITCH
BRIDGE
BOX CULVERTS
CATTLE GUARD
RIVER

REDUCED SIZE DO NOT SCALE

Click here for I 19 Index

ARIZONA HIGHWAY COMMISSION
APPROVED FOR RIGHT-OF-WAY ACQUISITION
STATE HIGHWAY ENGINEER
H.H. Chadwick DEPUTY STATE ENGINEER — 8-18-65 DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED:
DIVISION ENGINEER — DATE

Click here for I 19 Index

NOGALES-TUCSON HWY.
ALAMO CANYON-CALABASAS SECTION
SANTA CRUZ COUNTY

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION
4790	9-26-71	R.M.M.	Finalized

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION
814	11-21-66	RCME	12-064 Changed per R/W Revision.
"	"	"	12-066 No Change, Area less than .1 Acre
966	3/16/67	F.M.B.	Added Fr. Rd., Changed Areas of Parcels Effected
1148	6-2-67	Survey	Combined Net R/W & Easement Area
1444	10-6-67	D.G.M.	Revised Ease. Area Parcel 18068
1522	11-1-67	A.W.B.	Add Ease Area Parcel 12-069-A
4035	9-28-70	D.G.M.	Revised Areas Parc. 12-070 & Added # Note. Completed Map Record, Changed Owner # 12-67, Corrected Spell. Owners Names 12-068 & 12-072.

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-T-3.14
SHEET NO.	2 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	None

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

Registered Professional Engineer — CERTIFICATE EXPIRES (ONLY) — SAM A. PHILLIPS — DEC. 31, 19 65 — ARIZONA U.S.A.

FINALIZED

ACQUISITION RECORD — OWNERSHIP RECORD

COMMISSION APPROVAL	TYPE & DATE OF INSTRUMENT	RECORDED DATE	RECORDED BOOK	RECORDED PAGE	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
5-27-66	QCD 4-6-66	6-15-66	68	525-26	12-064	Thomas B. & Martha R. Morgan H/W	SE 1/4, SE 1/4 Sec. 24, T23S, R13E	5.2	ACCESS RIGHTS ONLY				5.2	4
6-20-66	WDE 5-11-66	7-8-66	69	103-06	12-065	Blenda H. Fast a widow	Part of S 1/2 Sec. 13 & SE 1/4 Sec. 24, T23S, R13E	527.5	18.6	12.5	6.5	502.4	—	4,5,6
5-6-66	WD 4-14-66	5-27-66	68	278-79	12-066	Arnold & Delores Arvizu his Wife	SE 1/4 Sec. 24, T23S, R13E & SW 1/4 SEC. 19, T23S, R14E	10.2		0.3	—	—	9.9	4 & 5
5-6-66	WD 3-31-66	5-31-66	68	298-99	12-067	Phoenix Title & Trust Co. Trust #6283	Part of SE 1/4 Sec. 24, T23S, R13E	15.6		0.8	—	—	14.8	5 & 6
3-28-67	FDC 1-17-68	2-8-68	87	163-64	12-068	Arcelia R. Bonorand a/k/a widow	NE 1/4 Sec. 24, T23S, R13E	132.1		9.4	4.6	74.7	43.4	5
5-6-66	WD 3-30-66	5-27-66	68	280-81	12-069	Donald A. & Nanette J. Skov H/W	Part of SE 1/4 Sec. 13, T23S, R13E	24.9		0.7	—	—	24.2	6
6-10-66	WD 5-18-66	7-6-66	69	84-86	12-070	Thomas G. Bell et ux	Part of Sec. 13, T23S, R13E	196.4	15.6*	6.0*		166.1	19.7	6 & 7
5-6-66	WDE 3-29-66	5-27-66	68	282-85	12-071	Joseph M. & Elizabeth R. Little H/W	Part of SE 1/4 Sec. 13, T23S, R13E	1.9		0.1	0.1	—	1.7	6 & 7
7-15-66	WD 7-19-66	8-24-66	70	315-16	12-072	Larue & Adele Sorensen H/W	Part of Sec. 13, T23S, R13E	40.3		6.9	—	33.4	—	7
5-27-66	WD 4-27-66	6-22-66	68	603-05	12-073	Grant Keehn (Trustee)	Part of Lot 1 & 2 Sec. 13, T23S, R13E	38.2		4.3	—	—	33.9	6 & 7
6-14-73	FDC 8-28-73	9-12-73	163	179-84	12-074	Baca Float Ranch Inc.	Luis Maria Baca Grant (Float #3)	—	130.9	65.6	25.5	—	—	7-12
6-19-67	Lease 5-23-67	7-28-67	81	22-23	12-069A	Donald A. & Nanette U. Skov H/W	Part of SE 1/4 Sec. 13, T23S, R13E.	24.2			0.2	—	24.0	6

* Area Required Includes New Drainage R/W Acquired By Warranty Deed.

CHECKED BY. _____

HARD COPY _____

DIETZGEN 188 IMPERIAL 100 8-63

NOGALES TUCSON HIGHWAY
ALAMO CANYON ~ CALABASAS SECTION
SANTA CRUZ COUNTY

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION
814	9296	R.L.M.	Rev New R/W ND. per Change, Sheet "4
966	3-18-64	F.M.B.	Added Fr. Rd, Beg Sta. S.B. 319+27.05 to End.
1114	6-3-64	J.F.W.	Chngd Curve Data & Cross Rd. Sta.
1444	12067	D.G.M.	Added New Drain. Ease. From Sta. 347+00 To 348+25
1522	4-1167	A.W.B.	Added New Drain Ease. P.I. Sta. 380+50 to 382+00
2035	9-28-71	D.G.M.	Chngd New Drain Ease. To New Drain. P.I. of Lt. 385+12 To 390+68
4790	3-22-77	R.M.M.	Finalized

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-T-314
SHEET NO.	3 of 15
DRAWN BY	R. Lanon
DATE COMP.	1-30-65
SCALE	1"=1000'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

Registered Professional Engineer — Arizona

FINALIZED

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NEW PEÑA BLANCA ROAD HWY 289

Survey & S.B. Const. ℄
Spiral
a = 0.5000
Δ = 2°25'07.5"
L = 308.90'
θ = 1.07'
t = 154.44'
Total Curve
Δ = 6°2'21.40"
R = 3710.79'
T = 2400.05'
L = 4340.59'
E = 627.65
Main Curve
Δc = 57°35'25"
D = 1°32'40.12"
R = 3709.72'
Lc = 3728.79'

Exist. & As Built
Spiral
a = 0.5000
Δ = 2°-15.00'
L = 300.00'
θ = 0.98
t = 149.99'
Total Curve
Δ = 6°2'21.00"
R = 3820.70'
T = 2462.61'
L = 4450.62'
E = 665.85
Main Curve
Δc = 5°51'00"
D = 1°30'00"
R = 3819.72'
Lc = 3856.16'

P.O.T. 495+57.16 S.Bd. & "As Built" Ahd
S.T. 494+27.25 S.Bd. Bk. EQUA.
494+27.25 S.T. S.B.
491+18.35 C.S. S.B.

Begin R/W Proj. Sta. 250+70.2
Sta. 21+70 Cross Rd. "E"
Sta. 8+30.00 Hwy 289
Map No. D-12-T-319

New Drainage R/W
Pasqueno
Peña Blanca Road
Peña Blanca Road (Over)
Sta. 450+80.66 T.S. S.B.
Sta. 453+89.56 S.C. S.B.
Drain Easement
New R/W
Exist. ℄ S.T. 495+52.47
Exist. ℄ C.S. 492+52.47
Sta. 495+48.36 P.C. S.B. ℄ As Built
Exist. T.S. 450+85.80
Exist. S.C. 453+95.80

Sheet-4 Sheet-5 Sheet-6 Sheet-7 Sheet-8 Sheet-9
Drainage Ease.
New R/W
N 7°01'40" W
Constr. ℄
Southbound Roadway
Exist. E. Drain Ease.
Frontage Road
Cattleguard
Can.

TO NOGALES 7 Miles
TO TUCSON 53 Miles

Sheet-11
Drainage Easement
New R/W Sheet-10
Calabasas
Caretaker
Can.

I-19-1(21)11
BEGIN R/W PROJ.
MAP NO. D-12-T-316

I-19-1 (19)6
END CONST. PROJ.
I-19-1 (18)6
END R/W PROJ.
Sta. 549+00 P.O.C.

Exist. ℄ As Built
Δ = 50°38'00"
D = 0°30'00"
R = 11,459.16'
T = 5,820.80'
L = 10,128.67'

Survey & S.B. Constr. ℄
Δ = 50°38'20"
D = 0°29'45"
R = 11,569.16'
T = 5,873.52'
L = 10,225.12'

P.O.T. 319+71.05 S.B.
I-19-1 (19)6
BEG. CONST. PROJ.
Sta. 306+00
P.O.T. 319+27.05 S.B.
I-19-1 (18)6
BEG. R/W PROJ.
I-19-1(34)0
END R/W PROJ.
MAP NO. D-12-T-323

Abandoned Road to Old Mine
Unsurveyed Mining Claims 20.66 Ac. HECTOR No. 1
Southern Pacific Railroad
T. 23 S., R. 13 E.
T. 23 S., R. 14 E.

LUIS MARIA BACA GRANT
(FLOAT No. 3)
Unsurveyed Land
(Sections Protracted)

VICINITY MAP
Scale: 1" = 1000'

REDUCED SIZE
DO NOT SCALE

Click here for I 19 Index

INDEX TO EXISTING R/W

INDEX	DESCRIPTION	SECTION	TOWNSHIP	RANGE	ACQUIRED FROM	TYPE	BOOK	PAGE	WIDTH	YEAR	PARCEL NO
Ⓐ	E½ S.E¼	24	23S	13E	Van Cleef-etux.	Deed	29D	248	200'	1947	3769
Ⓑ	Parcel	24	23S	13E	Fast-etux	Ea.	23M	361	Var.	1947	3770
Ⓒ	N.E.¼	24	23S	13E	Rouzaud-etux	Ea.	23M	358	200'	1947	3771
Ⓓ	S½ S.E¼	13	23S	13E	Underwood-etal	Ea.	23M	373	200'	1947	3772
Ⓔ	S½ S.E¼	13	23S	13E	Fast-etux	Ea.	24M	269	Var	1949	3773
Ⓕ	N½ S.E.¼	13	23S	13E	Bell s.s.	Ea.	23M	507	200'	1948	3774
Ⓖ	N½ S.E¼	13	23S	13E	Bell-etux	Ea.	24M	270	Var	1949	3774A
Ⓗ	S. Part	Baca Flt.	#3 Land	Grant	Baca Flt. Ranch	Ea.	23	486	200'	1947	3775
Ⓙ	S. Part	Baca Flt.	#3 Land	Grant	Baca Flt. Ranch	Q.C.D. Ea.	23M	492	100'	1947	3775A

NOGALES - TUCSON HWY.
ALAMO CANYON - CALABASAS SECTION
SANTA CRUZ COUNTY

Click here for I 19 Index

REVISIONS			
C.O. No	DATE	BY	DESCRIPTION
614	9/27/65	RCMR	Revised R/W Rt NB Stas 314+30 - 321+08.23
"	"	"	S.B.); Plotted culture Rt Stas 322-328 SB.
"	9/28/65	"	Called out & Detailed Area Rt SB 325+
"	"	"	Covered by Easment Only.
966	3/10/66	F.M.B.	Added Fr.Rd., Beg. S.B. Sta. 319+27.05 to End.
1112	5-3-66	L.F.W	Altered Dim Along Geo Lines Add Dim Bet. ℄'s, Misc Note.
			Add Prop. Limit Arrow.
1129	5-16-66	D.G.M.	Extend Hatch Lines To R/W Line In Insert
4790	3-22-71	R.M.M.	Finalized

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-T-314
SHEET NO.	4 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	1"=100'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

Registered Professional Engineer — Certificate Expires 31 DEC

FINALIZED

CHECKED BY: Ron M. O'Brien 7/11/65

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Approx. 1/16 Sec. Line

This Area Covered by Easement Only

N.E. 1/4 N.E. 1/4

N24°27'00"E 601.0'± G&M

S7°27'22.53"W 61.85'(Calc)

N24°27'00"E 48.0'

N57°42'00"W 530'

N.88°42'50"W. 813.5'

Exist R/W

T23S R13E
T23S R14E

25 24 30 19

Fd 4" Iron Pipe in Mound of Stones 14" High — 1/4 Cor.

N.88°42'50"W. 2567.93'

12-065

S.E. 1/4 S.E. 1/4

Stock Tank

S.B. Sta. 325+00 to Sta 330+00
4" to 6" Mesquite

Earth Dam 30'±10'

2-24"x10' Pipe Culv.

24"x132' Pipe Culv. 1"S.C.B.

Line

New Drainage Easement

G683.72'

2613'±

325

320

330

New R/W

New 5 Str. B.W. Fence

New #1 Gate

N. 7°01'40" W.

2154.68' (R)

Exist. 12" Conc. Pipe, Valve Relocate as shown outside R/W

Const. & Frontage Rd. "H"

Water Line Aband.

Remove

Survey & S.B. Constr. ℄

Exist 4 Str. B.W. Fence Remove

New 4 Wire B/W Fence

No Access

Exist 4 Str. B.W. Fence Remove
2620.01'

See Detail Plan

N.B. Constr. ℄

Exist. Turn Out-Remove

Slope limits

310

315

101.06'

Survey & S.B. Constr. ℄

N 7°01'40" W

P.O.T. 319+27.05
Section Line
100'± S.B. P.O.T. 319+41.66
125'± S.B. P.O.T. 319+45.32

Exist 4 Str. B.W. Fence

Exist. R/W

Exist ℄

M.P. "6"

Constr. ℄ Frontage Rd "F"

New 4 Str. B.W. Fence

No Access

(As Built Survey N 7°02'30" W)

Slope Limit

Exist 4 Str. B.W. Fence

Exist. 36"x103' C.M.P.

100'

110'

Slope to be contained within Exist R/W

Ex. #1 Gate-Remove

Part of Rail Fence

410.0'(R)

4100'(C)

New R/W

20'

New 5 Str. B.W. Fence To Prop. Line

Abandoned To Remain

Brick Res.

New 1 Gate

12-064

12-066

12-065

12-067

322+79.9
Rt 266.6

Matching

Wire Mesh Fence

Adobe Res

230' Rt Sta 327+08.73 SB.
210' Rt Sta 327+08.73 SB.

N.B. Sta. 329+51.26 to Sta. 329+97.45
Exist. 3'12"x10'x95'6" Conc. Box Culvert
30° Skew Lt. - Extend 50'8" Rt. & 192'-0" Lt.

T23S R13E
T23S R14E

N.W. 1/4 N.W. 1/4

S.W. 1/4 S.W. 1/4

Survey & S.B. ℄
Sta 319+77.05

S.B. P.O.T. 319+77.05

1-19-1(19)6
Begin Constr. Proj.

1-19-1(34)0
End R/W Project
Map No. D-12-T-323.3

1-19-1(18)6
Begin R/W Project

Curve #1 (R)
R=115'
L=23.22'
Δ=11°34'00" Lt
L.C.=N6°43'W
23.17'

Curve #2 (R)
R=85.00'
L=106.99'
Δ=72°07' Rt.
L.C.=S23°33'30"W
100.06'

LEGEND FOR BEARINGS & DISTANCES
(R) Record Bearing or Distance
(R.R.) Rotated Record Bearing
(C) Calculated Bearing or Distance

REDUCED SIZE
DO NOT SCALE

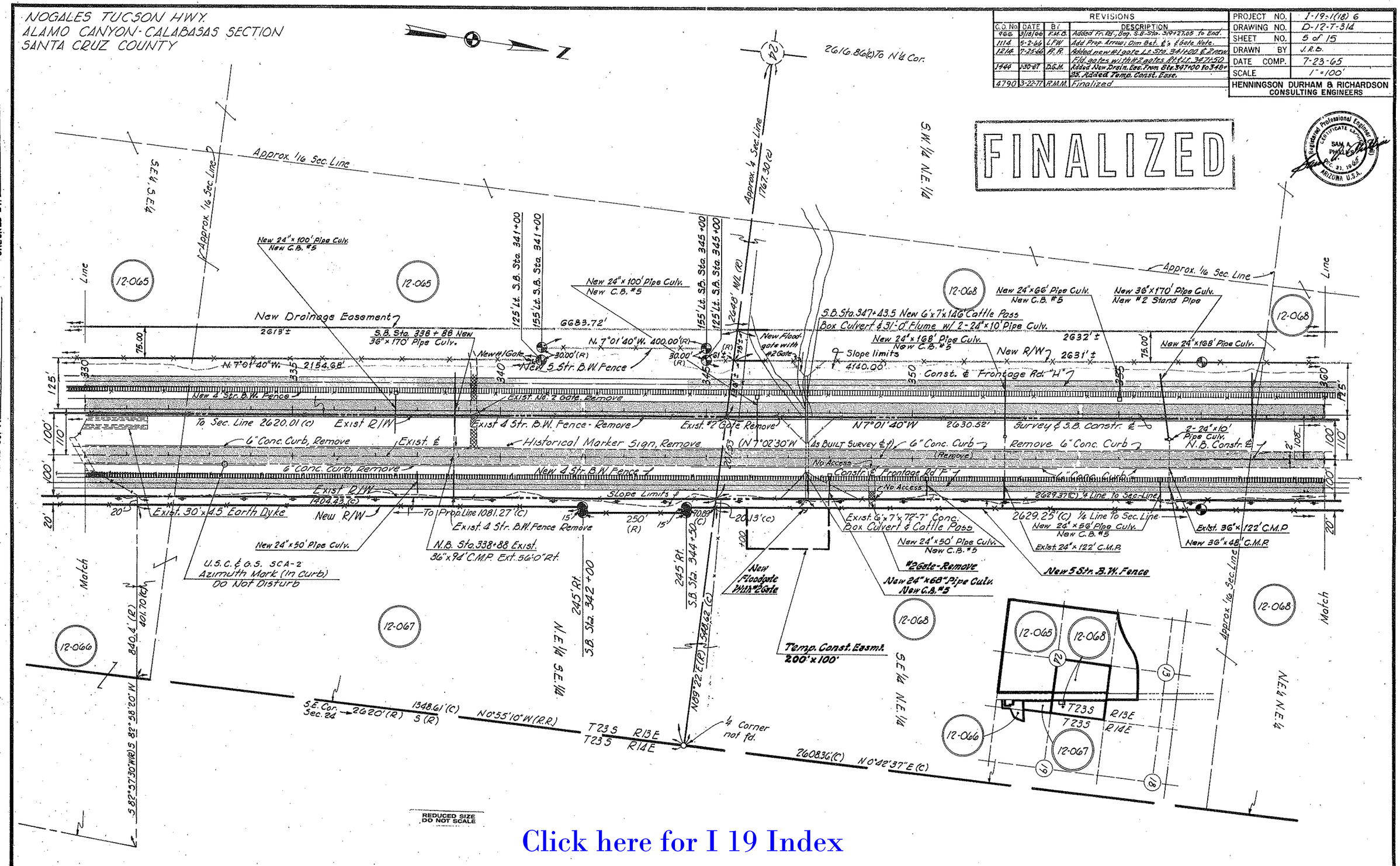
NOGALES TUCSON HWY.
ALAMO CANYON-CALABASAS SECTION
SANTA CRUZ COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
966	3/18/66	F.M.B.	Added Fr. Rd., Beg. S.B. Sta. 319+27.05 to End.
1114	5-2-66	L.F.W.	Add Prop. Arrow; Dim Bet. ℄'s & Gate Note.
1214	7-25-66	R.R.	Added new #1 gate Lt. Sta. 341+00 & 2 new Fld. gates with #2 gates Rt. & Lt. 347+50
1444	1-30-67	D.G.M.	Added New Drain. Eas. From Sta. 347+00 to 348+25. Added Temp. Const. Ease.
4790	3-22-77	R.M.M.	Finalized

PROJECT NO.	I-19-1(18) 6
DRAWING NO.	D-12-T-314
SHEET NO.	5 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	1" = 100'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

FINALIZED



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CHECKED BY. [signature]

HARD COPY. 6366 M1

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NOGALES TUCSON HWY.
ALAMO CANYON-CALABASAS SECTION
SANTA CRUZ COUNTY

FINALIZED

REVISIONS			
C.O. No	DATE	BY	DESCRIPTION
814	4/29/65	R.C.M.	Revised Property Line Parcel 12-070
"	"	"	Re-did & Added Sec. Line Ties, E
"	"	"	S.B. Drain Easement Measurements
966	3/10/66	F.M.B.	Added Fr. Rd. Sta. 3.B. Sta. 379+87.05 to End
1007	3/14/66	F.M.B.	Misc. Changes see Change order
1114	5-2-66	E.F.W.	Removed Prop. Arrow; Changed Engr. Ch. Sta. 357+50
			Changed Ties Along Sec. Line Added Dim. Ref. & 2
1148	6-2-66	Haven	Removed "2 Gates Rt. Sta. 381 New Gate 384+30
1214	7-25-66	R.R.	Added "2 Exist 4 Unit CH. Grd. Lt. Sta. 386+91.09
			& "2 - 2 Unit Cattle Guards Rt. Sta. 362+62 & Sta.
			386+12
1522	4-11-67	A.W.B.	Add New Drain Ease. Rt. Sta. 380+50 to 382+00
1695	8-26-74	J.G.M.	Changed New Drain Ease. to New Drainage R/W Sta. 380+50
4790	3-22-77	R.M.M.	Finalized

PROJECT NO.	1-19-1(18)6
DRAWING NO.	D-12-7-314
SHEET NO.	6 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	1"=100'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

CHECKED BY. Ron Weber 7/19/65

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Sta. 360+00 to Sta. 390+00
4" to 6" Mesquite

T23S R13E
T23S R14E

Approx. 1/4 Sec. Line
2616.86'(C)

S89°42'30"W 1382.77'(C)

Fence is 2.23' Inside Sec. Line

Sect. Line Sta. 371+77.30

Approx. 1/16 Sec. Line

New 30"x150' Pipe Culv.

New 24"x102' Pipe Culv.
New C.B. #5

S.B. Sta. 373+84
New 54"x170' Pipe Culv.

New 24"x100' Pipe Culv.
New C.B. #5

Dirt Road — No Access — 2632'± — 2631'± New R/W — Slope limits

New 5 Str. B.W. Fence

GG83.72'
1319'± Drainage Easement

New 4 Str. B.W. Fence

Exist. R/W — 1320'± — 1532.46' — Survey & S.B. Constr. ℄

Exist. ℄ Gate - Remove — N7°01'40"W — Exist 4 Str. B.W. Fence - Remove — 2630.52

No Access — M.P. #7 — As Built Survey ℄ — N 7°02'30"W (R)

6" Conc. Curb (Remove) — Exist. ℄

No Access — 6" Conc. Curb (Remove) — New 4 Str. B.W. Fence ℄ — No Access — Constr. ℄ Frontage Rd. 'F'

Dirt Road — Exist 2 Unit Cattle Guard w/ #1 Gate - Remove — 2629.25'(C) 1/4 Line to Sec. Line

New 2-Unit Ctl. Grd. with gate Pt. 362+62.0

New 5 Str. B.W. Fence
New 24"x54' Pipe Culv.
New C.B. #5

Exist. #1 Gate Remove

20.14'(C) New R/W

New #1 Gate

1033.50' to Prop. Cor.
1.0' South of Sect. Line

Drill Steel on Witness Line

S23°4'22"E (R) 2349.

1339.51' (R) Sec. Cor. to S.B.L.

N 89°42'30"E

Front. Rd. 'F' Sta. 380+76.75 to Sta. 381+29.75
New 4-12'x10'x446' Conc. Culv. & New Flume
19'-8" & New 2-24"x10' Pipe Culv.

N.B. Sta. 373+84 Exist 4'x4'x65' Conc. Box Culvert - Extend 57'-9" Rt.

1328'± (R)
1328'± (C) To Prop. Line

Exist. 4 Str. B.W. Fence - Remove

New 80' Flood gate ~~with #2 gate~~ (out)

New Drainage Easement Rt. Sta. 380+50 to 382+00

Exist. #2 gate Remove

~~New 2-Unit Ctl. Grd. with gate Rt. Sta. 386+12~~

No 1. Gate

N.B. Sta. 380+76.75 to Sta. 381+29.75
Exist. 4-12'x10'x50'-4" Conc. Box Culvert To Remain

Frontage Rd. 'H' Sta. 381+03
New 60' Ford

New Drainage R/W

Approx. 1/4 Sec. Line

S.B. Sta. 380+76.75 to Sta. 381
+29.75 New 4-12'x10'x124.0'
Conc. Box Culvert

N 83°39'50"E 97.17'(R)

Exist. 4-Unit Ctl. Grd. w/o Gate

New Flood Gate ~~with new type #2 gate~~ (out)

Frontage Rd. 'H' Constr. ℄

Tel. Line Crossing 25' Clearance

773.8' N 89°39'50"E Approx. 1/16 Sec. Line

N 83°32'10"W 573.1'(R)
N 83°39'W(R)

Exist. Dirt Rd.

Gas Line & Valve (4")
End of gas line
Exist 15'x7' Cattle Guard
With #1 Gate - Remove

New #1 Gate
(Remove)

Power Line Crossing 30' Cl.

S 89°30'30"W 432.56'(R)
S 89°57'30"W(R)

S 40°00'30"E(R)
S 39°59'40"E
297.43'(R)

Match

Sta. 386+45.87 Bk =
P.O.T. 388+45.87 Ahd

EQU. 4' Fr. Rd.

76 Perm. Blanco Lake
S 79°49'30"W (C.)
300' Lt. S.B. P.O.T. 386+91.09
P.O.T. Front Rd. 385+30.11
50' Rt. Front Rd. 'E' Sta. 385+30.11
200' Lt. S.B. Sta. 387+46.85

110' Lt. S.B. Sta. 388+00

New Drainage R/W Line

(R) 353.15'

72" Tank - Disconnected
Remove

300'(R)

New R/W

675.87' (R)

Exist. 15'x7' Cattle Guard
With #1 Gate - Remove

No Access — APPR. ½ Sec. Line — N.B. Constr. ℄

751.63'

Exist. 2 Unit Cattle Guard w/ #1 Gate - Remove

Exist. #2 gate Remove

20.20' (C)

476.68' (C)

N 16°06'W (R)

N 74°56'39"E 276.88'(R)

N 74°56'39"E

Exist. 4 Str. B.W. Fence - Remove

1328'± (R)
1328'± (C) To Prop. Line

Exist. 4 Str. B.W. Fence - Remove

Exist. #1 Gate Remove

New #1 Gate

N.B. Sta. 373+84 Exist 4'x4'x65' Conc. Box Culvert - Extend 57'-9" Rt.

Front. Rd. 'F' Sta. 380+76.75 to Sta. 381+29.75
New 4-12'x10'x446' Conc. Culv. & New Flume
19'-8" & New 2-24"x10' Pipe Culv.

N.B. Sta. 380+76.75 to Sta. 381+29.75
Exist. 4-12'x10'x50'-4" Conc. Box Culvert To Remain

2608.36'(C) N 0°42'37"E (C)

S 9°05'E (R) S 9°04'10"E 1341.1'(R)

S89°33'W(R) S 89°32'10"W 60'(R)

N 2°05'50"E 60'(R)
N 2°05'E(R)

100'(R) N 89°42'30"E

T23S R13E
T23S R14E

19 in Conc.

18 Found 1/2" I.P.

N 7°05'50"E 1268'± (R)
1290'(R) S 2°05'W(R)

S89°32'10"E 300'(R)
S89°33'W(R)

300'(R)

REDUCED SIZE DO NOT SCALE

LEGEND FOR BEARINGS & DISTANCES
(R) Record Bearing or Distance
(R.R.) Rotated Record Bearing
(C) Calculate Bearing or Distance

12-065 12-068 12-069 12-070 12-071 12-073

NE ¼ NE ¼ — SE ¼ SE ¼ — SW ¼ SE ¼ — NW ¼ SE ¼

Click here for I 19 Index

NOGALES · TUCSON HWY.
ALAMO CANYON - CALABASAS SECTION
SANTA CRUZ COUNTY

PENA BLANCA INTERCHANGE
(CROSS ROAD OVER)

S.B. Sta. 390+00 to Sta. 420+00
4" to 6" Mesquite.

REVISIONS				PROJECT NO.	I-19-1(18)6
C.O. No.	DATE	BY	DESCRIPTION	DRAWING NO.	D-12-7-3.1d
966	3/10/66	F.M.B.	Added Pr. Ed. Beg. S.B. Sta. 379+27.05 to End.	SHEET NO.	7 of 15
1007	5/1966	F.M.B.	Added dist. from 710'Lt. 400+00 to drain pipe.	DRAWN BY	J.R.B.
1114	9-8-66	L.F.W.	Changed R/W Tics Along S. Line Baca Float. Changed Sta. @ R.I. M.B. Const. & Cr. Rd. & Added 12' Dim. Added Dim. Bet. & S. Changed Hwy 289 Sta. to Sta. T.I.	DATE COMP.	7-23-65
				SCALE	1"=100'
1148	6-3-66	Howard	Changed Drainage Ease. to New R/W	HENNINGSON DURHAM & RICHARDSON CONSULTING ENGINEERS	
1216	11-29-66	R.B.	Added New 42" Galv. C.M. Culvert Lt. & 292+80		
4075	9-29-71	D.G.S.M.	Changed Alignment Drainage Ease. Interchange, R/W Rts. R.O.W.		
4790	3-22-77	R.M.M.	Finalized		

Fd. Mile # 29
8"x8"x6" Mk. B.F.

Begin R/W Proj. S-250-702
Sta. 21+70 Cross Rd. 'E'
Sta. 8+30.00 Hwy. 289

Property Line Exist. 4 Str. B.W. Fence Remove Within R/W

100' Rt. Cross Rd. 'E' Sta. 21+70

100' Lt. Cross Rd. 'E' Sta. 21+70

Luis Maria Baca Grant
716.88'±
Mile Marker

New 24"x82' Pipe Culv.
Sta. 24+70 Cross Rd. 'E' New
2-8'x7'x82' Conc. Box Culvert

Slope Limits Const. & Front. Rd. 'G'

New R/W 2

New 2-42"x88' Pipe Culv.

Sta. 25+62.78 Cross Rd. 'E'
Sta. 407+12.66 Frontage Rd. 'G'

Lt. S.B. Sta. 406+20 to Sta. 415+05
New 20'x5'x940' Channel & Dyke

S.B. Sta. 415+45 New 2-8'x7'x145' Conc. Box Culvert 30° Skew Lt.
Lt. S.B. Sta. 414+80 203 L.F.
New Bank Protection

New Drain. Ease.

Lt. S.B. Sta. 420+00

Mile Marker #30
Baca Float Line

INSERT
N.T.S.

S.B. Sta. 390+68 New 6'x7' x112'-9" Conc. Box Culvert Cattle Pass.

New Drainage R/W

New Floodgate & #12 Gate

New 5 Str. B.W. Fence

New 5-Str. B.W. Fence

Cattle Gd. No Gate

24"x118' Pipe Culv.

RAMP 'A'

RAMP 'B'

FRONTAGE RD 'G'

No Access

24" CMP

5 Wire Fence

Flood Gate

New #1 Gate & C.G.

Fd. Mile Marker #30
12"x6" Mk. B.F.

SEE INSERT

Sta. 27+35.14 Cross Rd. 'E'
Sta. 21+33.53 Ramp 'A'
Sta. 0+00 Ramp 'B'

Sta. 405+30.57 S.B. ℄

Survey ℄ S.B. Constr. ℄

Sign Remove

Wood Gate Remove

Exist. 4 Str. B.W. Fence Remove

(N 7°02'30" W As Built Survey ℄)

Exist. 12' W Exist. ℄

Exist. C.G. & Gate Remove

Sta. 28+89.13 Cross Rd. 'E'
Sta. 406+31.37 S.B. Const. ℄

Exist. 2-15'x7' Dyke to remain

Exist. 15'x7' Dyke Remove

N.B. Constr. ℄

Sta. 00+02.00 Hwy. 289
Sta. 29+97.98 Cross Rd. 'E'
Sta. 406+17.72 N.B. Constr.

Exist. 36"x63' C.M.P. Sta. 408+42 To Remain

M.P. #B. Remove

Approx. Lot Line
Exist. R/W
1324'

Exist. C.G. & Gate Remove

Exist. 4 Str. B.W. Fence Remove

New 4 Str. B.W. Fence

Ramp 'C' Sta. 7+30 New
36"x 98' Pipe Culv.
4 Span Concrete Box Girder Bridge

New 4 Str. B.W. Fence

New 5 Str. B.W. Fence

Front. Rd. 'F' Sta. 416 +96.63 New 2-8'x7'x 65' Conc. Box Culvert 30° Skew Lt.

N.B. Sta. 416+06.10 Exist 2-8'x7'x54'-1" Conc. Box Culv. Extend 46'-6" Rt.

Fr. Rd. 'F' Sta. 416+40
New 36"x164' Pipe Culv. Skew 60° Lt.

N.B. Sta. 390+68 Exist 6'x7'x 49'-10" Conc. Box Culvert. Extend 63'-6" Rt. Cattle Pass

New 4 Str. B.W. Fence

RAMP 'D'

FRONTAGE RD 'F'

Sta. 35+51 Cross Rd. 'E'
Sta. 16+72.76 Ramp 'D'
Sta. 0+00 Ramp 'C'

Sta. 37+22 Cross Rd. 'E'
Sta. 407+85.39 Frontage Rd. 'F'

Cattle Gd. No Gate

135' Rt. Cross Rd. 'E'
Sta. 37+72

Fd. Mile Stone #31
8"x10"x12" Mk. B.F.L.

New 1 Gate

142.22' Lt. Cross Rd. 'E'
Sta. 37+72

Situated in Luis Maria Baca Land Grant, (Unsurveyed) See Insert Sheet 9

REDUCED SIZE DO NOT SCALE

FINALIZED

HARD COPY 6366 M1 CHECKED BY, Fred W. Brown 7/1/65

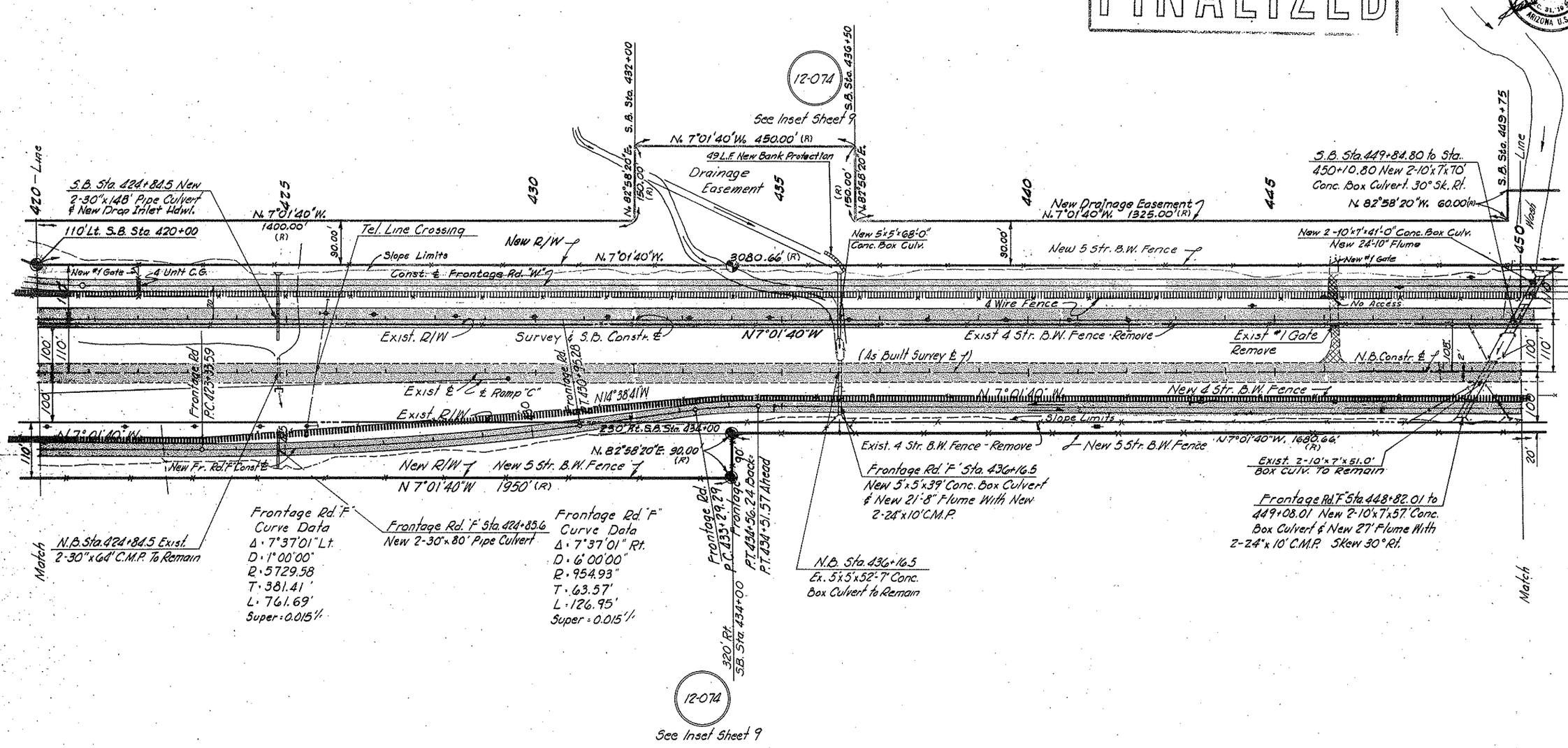
NOGALES - TUCSON HWY.
ALAMO CANYON - CALABASAS SECTION
SANTA CRUZ COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
966	3/18/66	F.M.B.	Added Fr. Rd., Beg. S.B. Sta 319+27.05 to End.
1114	5-2-66	L.F.W.	Chngd. R/W Dim. Both Sides; Added Dim. Bef. ℄s.
4790	3-22-77	R.M.M.	Finalized

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-7-314
SHEET NO.	8 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	1" = 100'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

FINALIZED



REDUCED SIZE DO NOT SCALE

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CHECKED BY. [signature]
HARD COPY. 6366 M1

NOGALES - TUCSON HWY.
ALAMO CANYON - CALABASAS SECTION
SANTA CRUZ COUNTY

FINALIZED

REVISIONS			
C.O. No	DATE	BY	DESCRIPTION
966	3/18/64	F.M.B	Added Fr. Rd, Beg S.B. Sta. 3119+27.65 to End.
1114	5-2-66	L.F.W	Extensive Changes to Curve Data & Controls To Agree With Const. Dwgs.; Chnge' Dim On Dr. Eq. Lt S.B. Sta 450+00; Add Dim. Def. Es
1129	5-13-66	D.G.M.	Changed Bear. Of Drain. Eas. Lt 453+00 From N.E. To N.W. & Township Designation Near S.W. Cor. Baca Float From T21S-R22S To T22S-T23S
4790	3-22-71	R.M.M.	Finalized

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-7-3.14
SHEET NO.	9 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	1"=100'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

CHECKED BY. Ford W. Brown Title

HARD COPY. 6966 MI

Exist. & Curve Data

Total Curve	Main Curve
Δ = 62°21'00" Lt.	Δc = 57°51'00" Lt.
Rc = 3820.70'	D = 1°30'00"
Ts = 2461.61'	R = 3819.72'
L = 4456.67'	Lc = 3856.67'
Es = 645.85'	Super = 0.015

Constr. & Curve Data
Frontage Rd. "F"
Total
Δ = 62°21'40" Lt.
D = 1°28'24"
T = 2353.28'
R = 3888.70'
L = 4232.49'

Office And S.B. Constr. & Curve Data

Total	Main Curve
Δ = 62°21'40" Lt.	Δc = 57°35'25" Lt.
R1.0 = 3710.79'	D = 1°32'40.12"
Ts = 2400.05'	R = 3709.72'
L = 4346.59'	Lc = 3728.79'
Es = 627.65'	Super = 0.015'/ft

12-074

Situated in Luis Maria Baca Land Grant
(Unsurveyed)

REDUCED SIZE DO NOT SCALE

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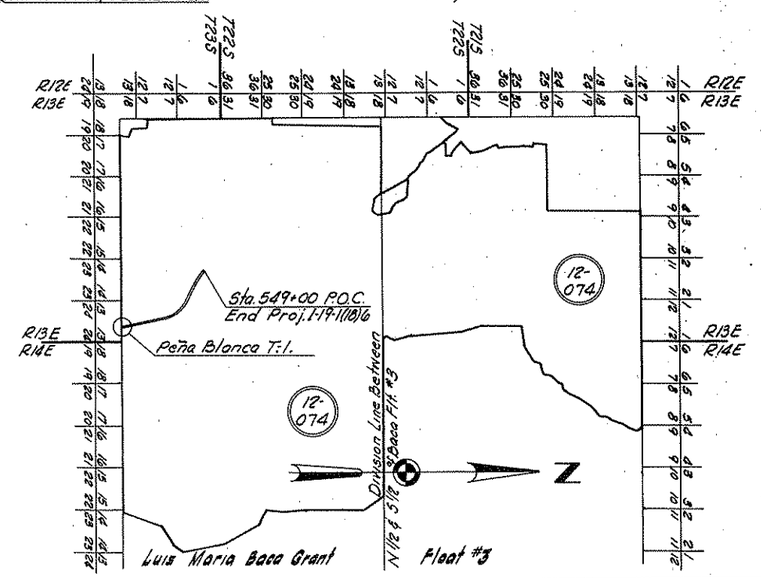


NOGALES-TUCSON HWY.
ALAMO CANYON-CALABASAS SECTION
SANTA CRUZ COUNTY

Click here for I 19 Index

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
966	3/18/66	F.M.B.	Added Fr. Rd. Beg. Sta. S.B. 319+27.05 To End
1114	9-2-66	L.F.W.	Extensive Chngs. To Curve Data & Controls To Agree With Const. Dwgs. Chged Brg. Bet. Curves; Add Dim. Bet ℄'s
17291	5/16/66	D.E.M.	Rev. LT.B's on R/W LT. 890 Fool 491+18.35
4790	3-22-77	R.M.M.	Finalized

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-7-3/4
SHEET NO.	10 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	1" = 100'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

FINALIZED

Registered Professional Engineer — Certificate Expires — SAM PHILIPS — Dec. 31, 1965 — ARIZONA U.S.A.

CHECKED BY. Sam Phillips 7/11/65

HARD COPY. 6366 M1

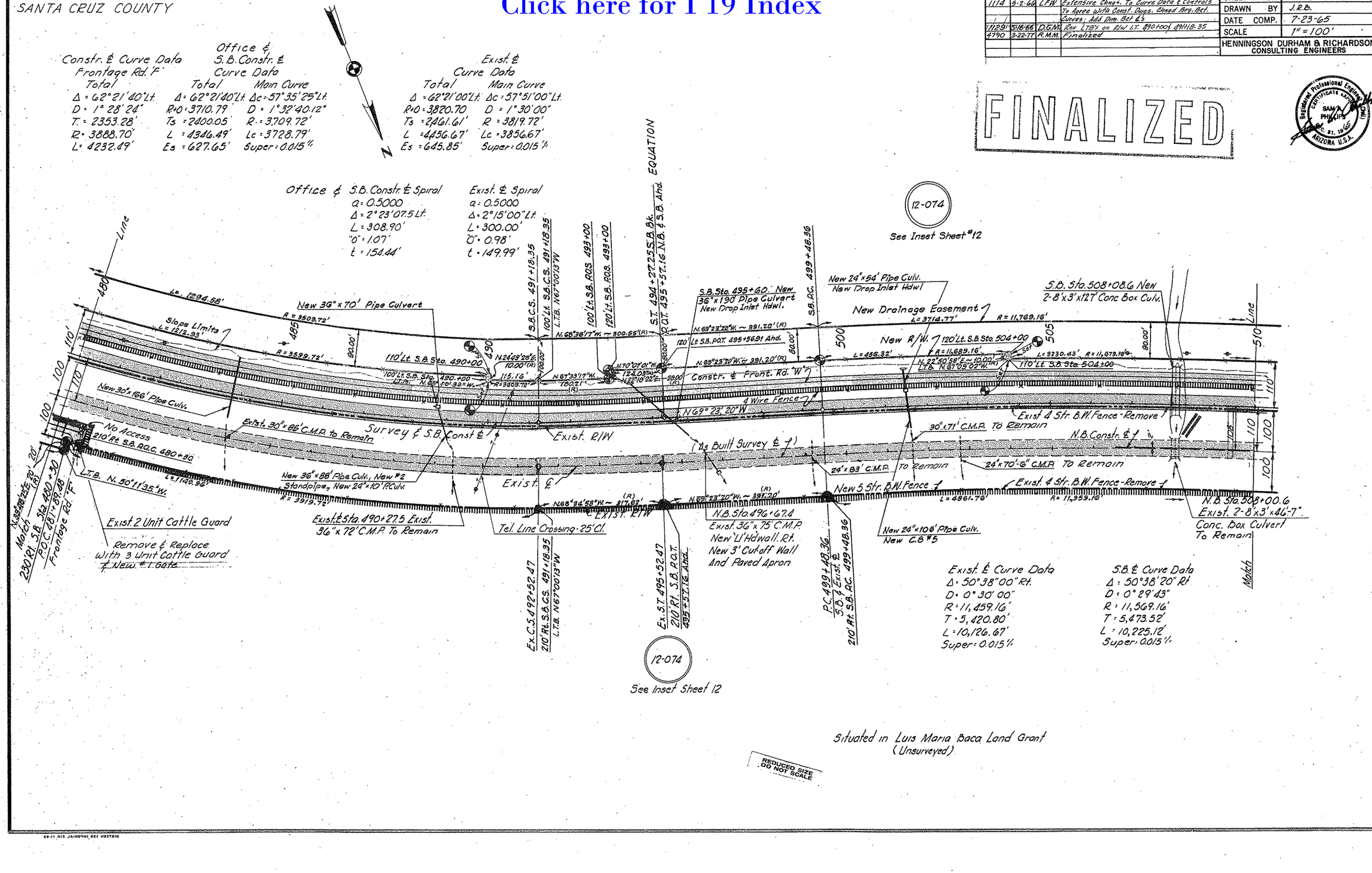
Constr. & Curve Data Frontage Rd. 'F'
Total
Δ = 62°21'40" Lt.
D = 1° 28' 24"
T. = 2353.28'
R = 3888.70'
L = 4232.49'

Office & S.B. Constr. & Curve Data
Total
Δ = 62°21'40" Lt.
R+0 = 3710.79'
Ts = 2400.05'
L = 4346.49'
Es = 627.65'
Main Curve
Δc = 57°35'25" Lt.
D = 1°32'40.12"
R = 3,709.72'
Lc = 3728.79'
Super = 0.015 ft/ft

Exist. & Curve Data
Total
Δ = 62°21'00" Lt.
R+0 = 3820.70
Ts = 2461.61'
L = 4456.67'
Es = 645.85'
Main Curve
Δc = 57°51'00" Lt.
D = 1°30'00"
R = 3819.72'
Lc = 3856.67'
Super = 0.015 ft/ft

Office & S.B. Constr. & Spiral
a = 0.5000
Δ = 2°23'07.5 Lt.
L = 308.90'
"0" = 1.07'
t = 154.44'

Exist. & Spiral
a = 0.5000
Δ = 2°15'00" Lt.
L = 300.00'
"0" = 0.98'
t = 149.99'



Situated in Luis Maria Baca Land Grant
(Unsurveyed)

REDUCED SIZE DO NOT SCALE

NOGALES TUCSON HWY.
ALAMO CANYON-CALABASAS SECTION
SANTA CRUZ COUNTY

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REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
966	5/18/66	E.M.B.	Added Fr. Rd. Beg. Sta. S.B. 319+27.05 To End.
1114	9-2-66	L.F.W.	Revamp End Frontage Rd. & Closed End Sta.
			Add Dim. Ref. & ℄; Changed E/w Dim. Fr. Lt. Sta.
			534+00 To End Of Proj.
4790	3-22-77	R.M.M.	Finalized

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-T-314
SHEET NO.	11 of 15
DRAWN BY	J.E.D.
DATE COMP.	7-23-65
SCALE	1" = 100'

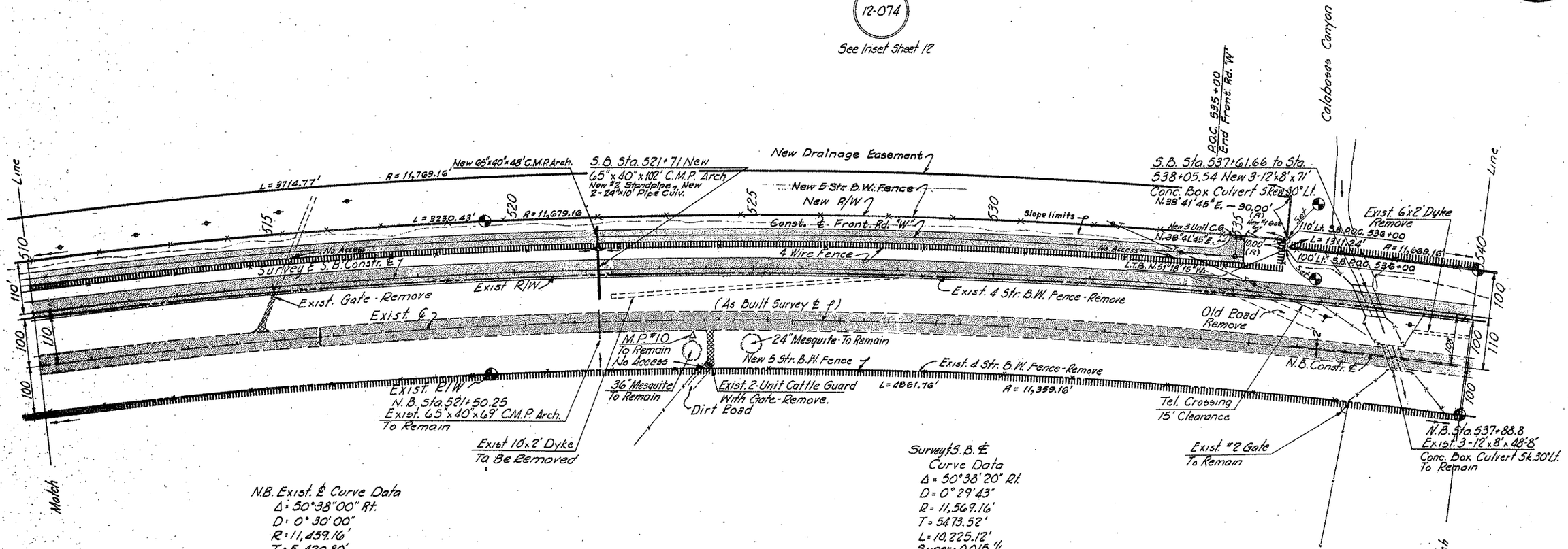
HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

FINALIZED

Registered Professional Engineer — Certificate No. 9911 (Civil) — Sam L. Phillips — Dec. 31, 1965 — Arizona U.S.A.

CHECKED BY. Ron McBrayer 11/66
HARD COPY 6366 M/

12-074
See Inset Sheet 12



N.B. Exist. ℄ Curve Data
Δ = 50°38'00" Rt.
D = 0°30'00"
R = 11,459.16'
T = 5,420.80'
L = 10,126.67'
Super = 0.015 ft

Survey S.B. ℄
Curve Data
Δ = 50°38'20" Rt.
D = 0°29'43"
R = 11,569.16'
T = 5473.52'
L = 10,225.12'
Super = 0.015 ft

12-074
See Inset Sheet 12

Situated in Luis Maria Baca Land Grant
(Unsurveyed)

REDUCED SIZE
DO NOT SCALE

NOGALES-TUCSON HWY.
ALAMO CANYON-CALABASAS SECTION
SANTA CRUZ COUNTY

Click here for I 19 Index

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION
966	3/18/66	F.M.B.	Corrected Curve Data.
1114	5-2-66	L.F.W.	Chngd. Rd. Conn. Curve Data; Chngd Rad. Brg @ End Of Proj. & L.T.B. Sta. 549+00 Add. Dim. Bet. ℄'s; Chngd Brg. On Rd. Conn.
4790	3-22-77	R.M.M.	Finalized

PROJECT NO.	I-19-1(18)6
DRAWING NO.	D-12-T-314
SHEET NO.	12 of 15
DRAWN BY	J.R.B.
DATE COMP.	7-23-65
SCALE	1" = 100'

HENNINGSON DURHAM & RICHARDSON
CONSULTING ENGINEERS

FINALIZED

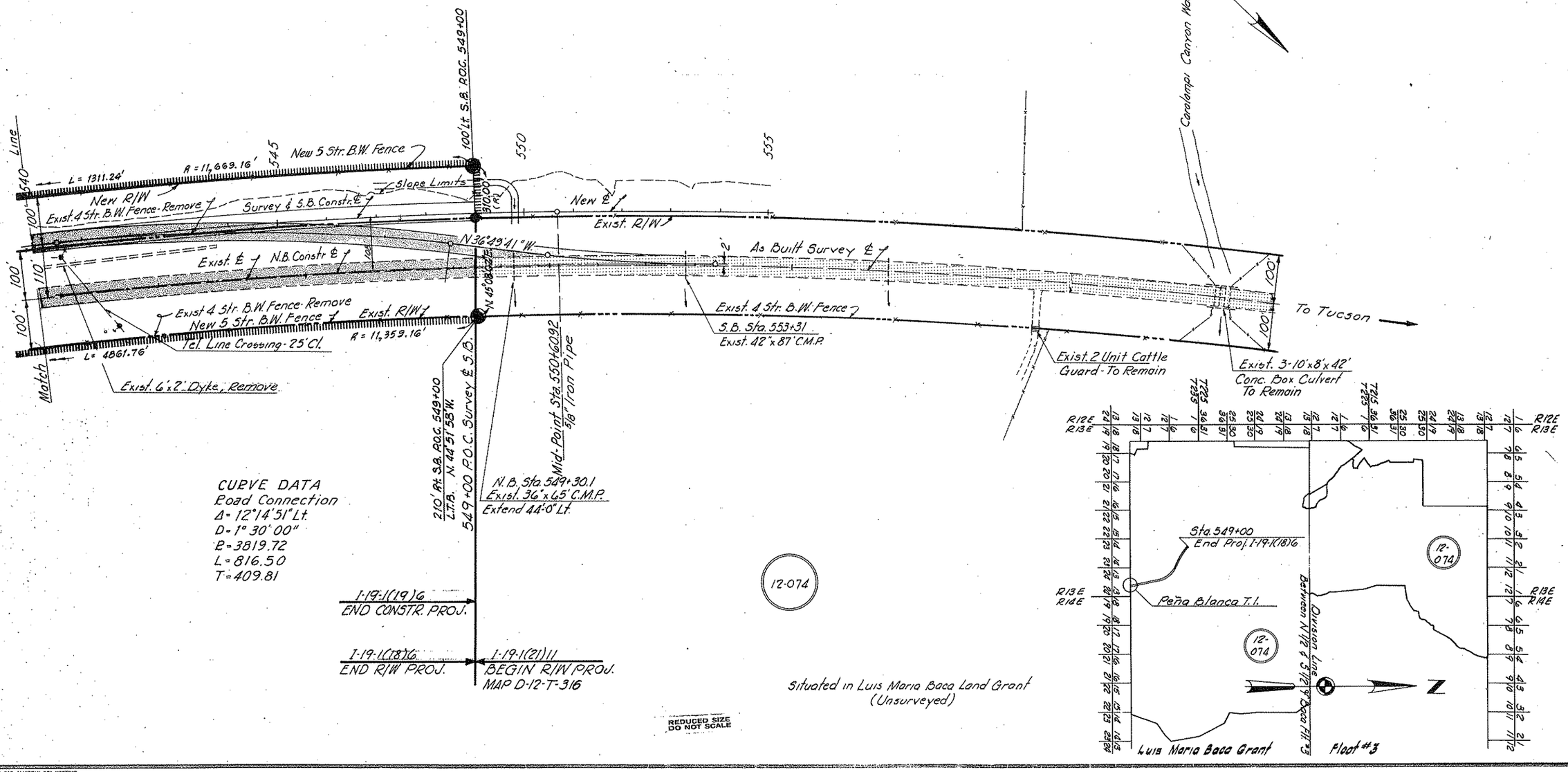
Registered Professional Engineer (Civil) CERTIFICATE EXPIRES SAM A. PHILLIPS DEC. 31, 1965 ARIZONA U.S.A.

N.B. Exist ℄ Curve Data
Δ = 50°38'00" Rt.
D = 0°30'00"
R = 11,459.16'
T = 5,420.80'
L = 10,126.67'
Super = 0.015'/'

S.B. ℄ Curve Data
Δ = 50°38'20" Rt.
D = 0°29'43"
R = 11,569.16'
T = 5,473.52'
L = 10,225.12'
Super = 0.015'/'

CURVE DATA
Road Connection
Δ = 5°25'20" Rt.
D = 1°30'00"
R = 3819.72'
L = 361.48'
T = 180.88'
Super = 0.015'/'

12-074



CURVE DATA
Road Connection
Δ = 12°14'51" Lt.
D = 1°30'00"
R = 3819.72
L = 816.50
T = 409.81

CHECKED BY. [signature]
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