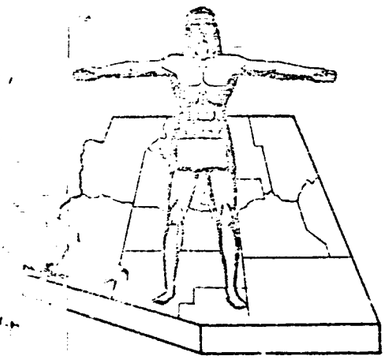


STATE OF ARIZONA
STATE HIGHWAY DEPARTMENT

RW/PLANS FILE SET

RIGHT OF WAY PLAN OF THE
EHRENBERG–PHOENIX
STATE HIGHWAY
PROJECT NO. I-10-1(23)30
YUMA
COUNTY

I-10-1 | (23)30

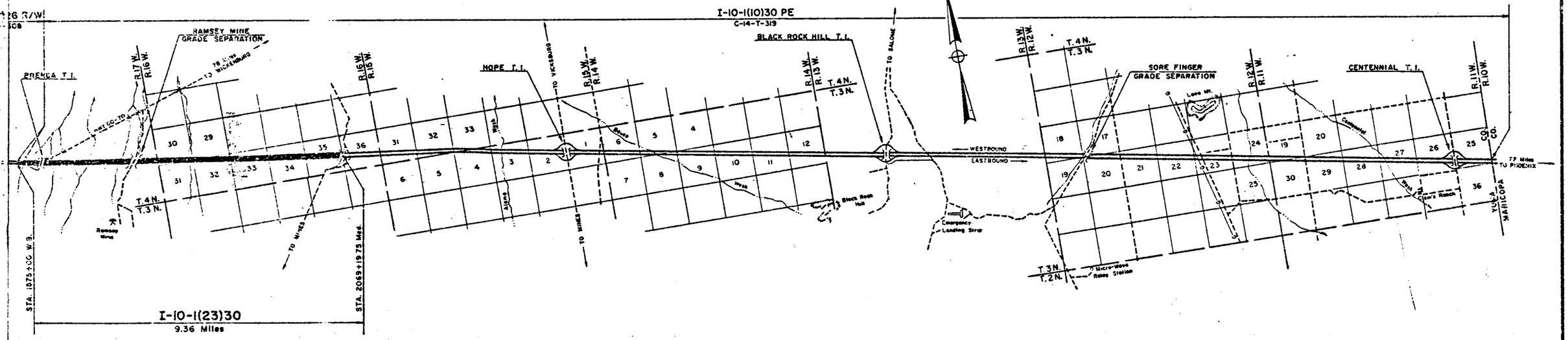
RIGHT OF WAY MAP NO. D-14-1-

ALIGNMENT, RIGHT OF WAY, AND CONTROL OF ACCESS APPROVED IN ACCORDANCE WITH HIGHWAY PLANS.
SHEET 1 THRU 33
DATE Apr 12 1965
ASSISTANT STATE ENGINEER

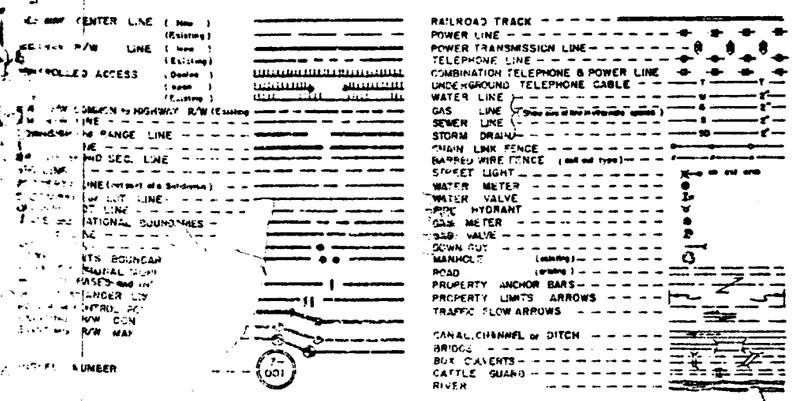
APPROVED IN ACCORDANCE WITH RESOLUTION DATED: JUNE 11, 1965, MINUTES OF THE ARIZONA HIGHWAY COMMISION RES. NO: 65-52

A.F.E. NO. 10A29

FINALIZED



CONVENTIONAL SIGNS



I CERTIFY THAT THESE R/W PLANS HAVE BEEN COMPARED WITH THE ASBUILT PLANS OF PROJECT I-10-1 (23) AND THAT THE STATE OF ARIZONA HAS GOOD AND SUFFICIENT TITLE TO THE R/W AS SHOWN HEREON. 7-7-67
John M. Forman
DO NOT REVISE OR ALTER

ARIZONA HIGHWAY COMMISSION
APPROVED FOR RIGHT-OF-WAY ACQUISITION
STATE HIGHWAY ENGINEER
DEPUTY STATE ENGINEER — DATE 4-23-65

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

Click here for I-10 Index

EHRENBERG – PHOENIX HWY.
BRENDA EAST SEC.
YUMA COUNTY

Click here for I-10 Index

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332A
SHEET NO.	1 of 2
DRAWN BY	E. R. Weesner
DATE COMP.	MAR. 26 1965
SCALE	1" = 1,000'
CONSULTANT	Robinson & Assoc. Engineers Inc.

FINALIZED

I-10-1(17)26 END R/W PROJ. MAP D-14-T-308 | I-10-1(23)30 BEG. R/W PROJ.

END CONSTR PROJECT I-10-1(23)26 | BEG. CONSTR PROJECT I-10-1(24)30

To Wickenburg 80 Mi.

New Drainage Easement Not To Scale

S. 81°50'26"E. 650'

350' Lt. Mod. & Sta. 1604+50

350' Lt. Mod. & Sta. 1611+00

150'

200' Lt. Mod. & Sta. 1607+65.22

S. 81°50'26"E. 2384.09'

New R/W

Existing R/W

Ramsey Mine Road Curve Data
① Δ: 65°00'00" Rt. D: 19°05'55" R: 300.00' T: 191.12' L: 340.34'
② Δ: 39°50'00" Lt. D: 19°05'55" R: 300.00' T: 108.70' L: 208.57'

W.B. PCC 1566+92.46; E.B. PC 1560+65.39 Ahd

W.B. PT 1589+17.84

W.B. POT 1596+23.03 Bk.; W.B. POT 1596+84.76 Ahd.; Med. POT 1596+84.76 Rt.; E.B. POT 1596+84.76 Rt.; Mod. & Sta. 1607+65.22; E.B. PC 1560+65.39 Ahd; E.B. 31°30'54" E. (N.B.) Bk.; 31°30'26" E. (Median) Ahd. Brg. Equiv.

"As Built" POC 1596+85.74 Bk.; E.B. POT 1596+84.76 - 2' Lt. Ahd.; 252' Rt. Mod. & Sta. 1596+84.76

31 Mi. to Ehrenberg

F.L.H.-1A & Westbound Roadway

Eastbound Roadway

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

400' Lt. Mod. & Sta. 1575+00

Shed Drainage Easement

"As Built" POC 1575+00 E.B. PT 1589+17.84

"As Built" Sta. 1583+79.19

For Dimensions on R/W see above

W.B. POT 1596+23.03 Bk.; W.B. POT 1596+84.76 Ahd.; Med. POT 1596+84.76 Rt.; E.B. POT 1596+84.76 Rt.; Mod. & Sta. 1607+65.22; E.B. PC 1560+65.39 Ahd; E.B. 31°30'54" E. (N.B.) Bk.; 31°30'26" E. (Median) Ahd. Brg. Equiv.

100' Lt. Mod. & Sta. 1603+50

100' Lt. Mod. & Sta. 1611+00

New Drainage Easement

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

14-037

1600 1650 1700 1750 1800

"As Built" Sta. 1583+79.19

"As Built" POC 1575+00

E.B. PT 1589+17.84

Ahd. Δ=0°01'01" Rt. (Const'g)

1640.00' Rad.

1640.00' Rad. (10°42' F.L.H.-1A P.O.T.)

"As Built" Sta. 1583+79.19

"As Built" 2781.54' at 3° Lt.

Sta. 1714+00 "As Built"

200' Rt. Sta. 1708+00 "As Built"

N. 73°51'45" E.

1 Mi. to Hope

U.S. Hwy. 60

70.00'

S. 38°02'59" E. 295.53'

S. 57°52'41" E. 492.44'

70.56'

S. 75°19'15" E.

200' Lt. Mod. & Sta. 1655+00

New Drain. Ease.

S. 81°50'26" E.

W.B. E

New R/W

Westbound Roadway

New Drain. Ease.

UNSURVEYED

See Insert For Ramsey Mine Road Grade Separation

T4N R17W / T4N R16W

Lot 1

Lot 2

Lot 3

Lot 4

Mod. & POT 1804+67.06

Match Sheet 2

Ramsey Mine Road (Over)

Median ℄

E.B. ℄

Eastbound Roadway

New Drain. Ease.

New Drainage Easement

BRENDA INTERCHANGE (Cross Rd Over)

S. 66°13'35" E. 720.62'

252' Rt. Mod. & Sta. 1613+00

S. 66°04'42" E. 880.23'

S. 65°39'52" E. 658.05'

N. 61°39'29" E. 622.01'

N. 27°40'02" E. 292.32'

200' Rt. Mod. & Sta. 1640+00

Ramsey Mine Road Grade Separation Not To Scale

50' Lt. & Rt. Sta. 0+00

N. 8°10'19" E. 98.45'

N. 8°09'34" E.

N. 5°05'55" E. 98.45'

200' Lt. Mod. & Sta. 1777+50

200' Lt. Mod. & Sta. 1778+50

Mod. & POT. 1778+50 Ramsey Mine Rd. Sta. 11+25

S. 81°50'26" E.

200' & 200.00' Rt. Mod. & P.C. 1777+50

200' & 200.00' Rt. Mod. & P.C. 1779+50

50' & 100' Rt. P.C. 18+99.07

100' Lt. & Rt. P.T. 18+79.22

50' Lt. & Rt. P.T. 20+57.64

50' & 100' Lt. P.C. 18+99.07

F.L.H.-1A & Curves

[1]	[2]	[3]
Δ=18°21'Lt	Δ=21°00'Rt	Δ=4°35'Lt
D=2°	D=2°	D=4°
R=2865.0	R=2865.0	R=1432.5
T=462.8	T=531.0	T=543.9
L=917.5	L=1050.0	L=1039.6
PT=1626+66.6	PT=1669+38.7	PT=1695+70.3

Indicates New Access Control
Indicates Exist. Access Control

CURVE DATA

CURVE	SIMPLE Δ	SIMPLE D	CURVE R	CURVE L	DATA T
Ⓐ	13°15'05.8"	0°30.2908'	11,349.16'	2,624.88'	1,318.32'
Ⓑ	13°15'05.8"	0°30.0032'	11,457.16'	2,649.86'	1,330.37'
Ⓒ	14°50'57.2"	0°40'00"	8,594.37'	2,227.38'	1,119.97'
Ⓓ	14°50'57.2"	0°30.0052'	11,457.16'	2,969.32'	1,493.03
Ⓔ	52°29'00"	0°30'00"	11,459.16'	10,496.66'	5,648.96'

LIST OF EASEMENTS

Number	Location	Size	Side	Type
⚠	1604+50 to 1611+00	Var = 650'	Lt	Drainage
⚠	1653+50 to 1657+00	50'×350'	Rt.	Drainage
⚠	1680+00 to 1681+00	100'×100'	Lt	Drainage
⚠	1742+00 to 1743+50	50'×150'	Rt.	Drainage
⚠	1758+00 to 1762+50	50'×450'	Rt.	Drainage
⚠	1762+50 to 1768+00	150'×550'	Rt.	Drainage
⚠	1766+50 to 1769+00	50'×250'	Lt	Drainage

Breakdown of Areas by Sections Parcel 14-037

Description		Sec.	Twp.	Rge	R/W Acres	Basement Area
E½ NE¼	PROTRACTED	29	4N	17W	0.1	
W½, NE¼ NW¼, SE¼	PROTRACTED	28	4N	17W	59.9	2.1
NW¼, N½ NE¼ S½, S½ S½ NE¼	PROTRACTED	27	4N	17W	51.5	0.7
N½ S½	PROTRACTED	26	4N	17W	49.0	0.2
S½	PROTRACTED	25	4N	17W	89.4	0.0
S½ S½		30	4N	16W	46.0	0.0
NE¼ NE¼		31	4N	16W	1.2	4.1
S½ S½ SW¼		29	4N	16W	6.5	0.2
N½ N½		32	4N	16W	48.6	
N½		33	4N	16W	49.0	16.5
N½, NE¼ NE¼	36 ±	34	4N	16W	49.0	10.7
S½ N½, N½ S½		35	4N	16W	49.0	20.4

VICINITY MAP
Scale: 1" = 1,000'
1 of 2

ENGINEER'S STATEMENT

I, L. E. THOMPSON states he is by occupation a ASSISTANT STATE ENGINEER employed by the Arizona State Highway Dept. to make the survey of the HIGHWAY RIGHT OF WAY AND CONTROL OF ACCESS as described and shown on this map; that the survey of said works was made by him (or under his supervision) and under authority commencing on the 31st day of July 1962; and ending on the 31st day of October 1962, and that such survey is accurately represented on this map.

Date: Apr. 26, 1965 L. E. Thompson ASST. STATE ENGINEER

APPLICANT'S CERTIFICATE

This to certify that L. E. THOMPSON who subscribed the statement hereon is the person employed by the undersigned applicant to prepare this map, which has been adopted by the applicant as the Final location of the right of way thereby shown; and that this map is filed as a part of the complete application, and in order that the applicant may obtain the benefits of Sec. 317 Federal Aid Highway Act, of Aug. 27 1958 (72 Stat. 885; 23 U.S.C. 317); and I further certify that the right of way herein described shall include any and all abutters access rights, appurtenant and incident to the remaining public land, in and to said right of way, drainage easements and temp. constr. easement. These plans are to amend application #A-03(625 from sta 1575+00 to sta 2069+19.75 Revised areas are 463.2 Ac.-R/W, 52.7 Ac.-Drain. Ease. & 2.1 Ac. Temp. Ease.

ARIZONA STATE HIGHWAY DEPT.

Date: April 27, 1965 By [signature] STATE HIGHWAY ENGINEER

FINALIZED DO NOT REVISE OR ALTER

REDUCED SIZE DO NOT SCALE

INDEX TO EXISTING R/W

INDEX	SUBDIVISION	SEC.	TWNSHP	RANGE	ACQ. FROM	TYPE	BOOK	PAGE	WIDTH	YEAR	PARCEL#
Ⓐ	N1/2	28	4N	17W	U.S.B.L.M.	Withdrawal	—	02818	400'	1952	2825
Ⓑ	W1/2 NW1/4	27	4N	17W	U.S.B.L.M.	Withdrawal	—	02818	400'	1952	2825
Ⓒ	N½	26,25	4N	17W	U.S.B.L.M.	W4's and	19,18860	15'-2"	400'	1931	C-147-69

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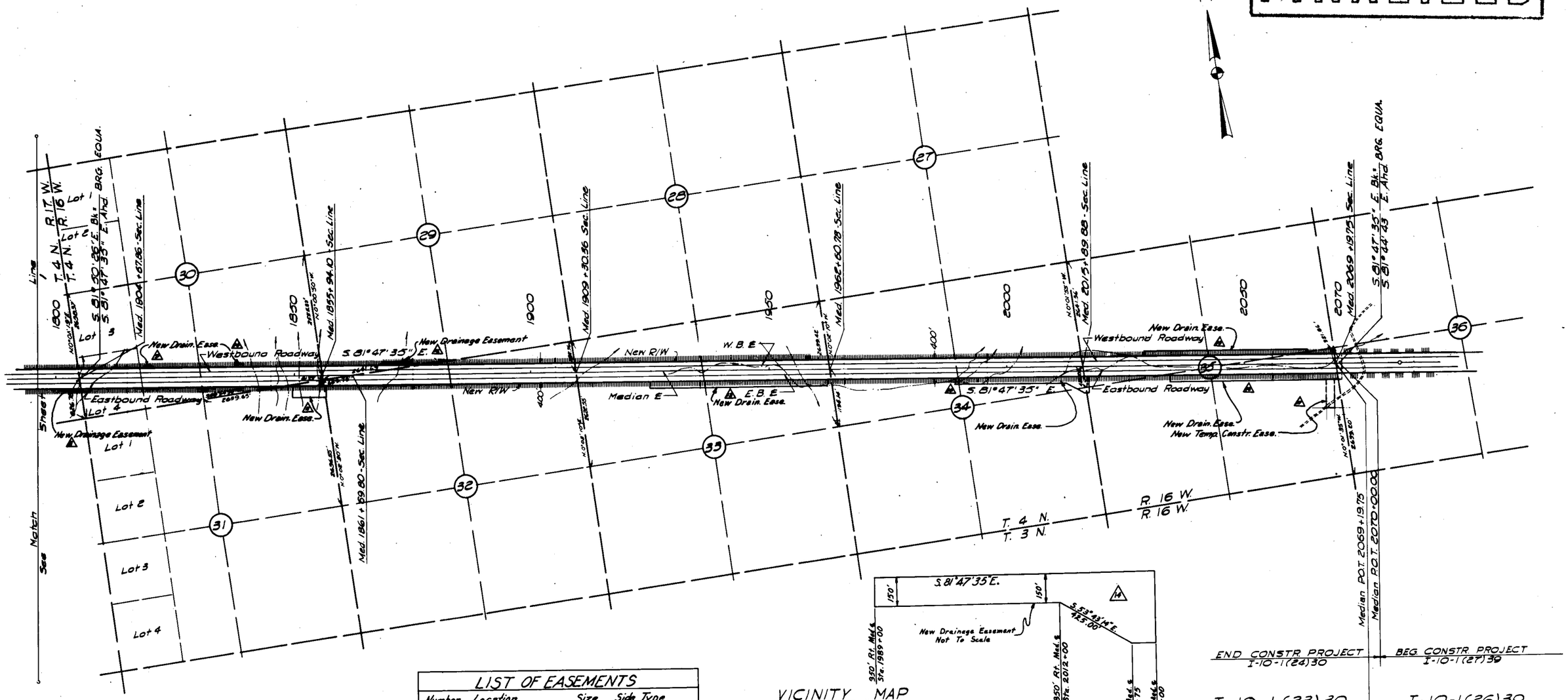
EHRENBERG - PHOENIX HWY.
BRENDA EAST SEC.
YUMA COUNTY

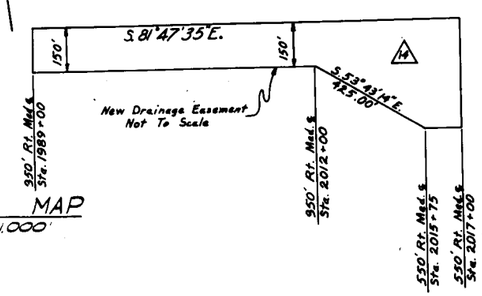
Click here for I-10 Index

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332A
SHEET NO.	2 of 2
DRAWN BY	E. R. Weesner
DATE COMP.	MAR 26 1965
SCALE	1" = 1,000'
CONSULTANT	Robinson & Assoc. Engineers Inc.

FINALIZED





VICINITY MAP
Scale: 1" = 1,000'
2 of 2

END CONSTR. PROJECT I-10-1(24)30

BEG. CONSTR. PROJECT I-10-1(27)39

I-10-1 (23) 30
END R/W PROJ.

I-10-1(26)39
BEG. R/W PROJ.
MAP D-14-T-330

REDUCED SIZE
DO NOT SCALE

FINALIZED DO NOT REVISE OR ALTER

LIST OF EASEMENTS

Number	Location	Size	Side	Type
1	1804+00 to 1806+50	100' × 250'	Rt.	Drainage
2	1818+50 to 1820+00	50' × 150'	Lt.	Drainage
3	1837+50 to 1839+50	50' × 200'	Lt.	Drainage
4	1849+50 to 1856+50	250' × 700'	Rt.	Drainage
5	1871+50 to 1873+00	50' × 150'	Lt.	Drainage
6	1925+00 to 1962+00	150' × 3700	Rt.	Drainage
7	1989+00 to 2017+00	Var. × 2800'	Rt.	Drainage
8	2029+00 to 2063+00	100' × 3400'	Lt.	Drainage
9	2034+50 to 2069+60	150' × 3510'	Rt.	Drainage
10	2067+15 to 2068+15	150' × 600'	Rt.	Temp. Constr.

CHECKED BY. R. Halley

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EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

Click here for I-10 Index

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	2 of 28
DRAWN BY	J. Kratochvil
DATE COMP.	2-15-65
SCALE	
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED

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	
	UNSURVEYED	E½ NE¼ Section 29, T.4N. R.17W.		24.9Ac.	0.1Ac.	None			5	See
		Section 28, T.4N. R.17W.		140.2Ac.	59.9Ac.	2.1 Ac.			5-7	Sheets
		Section 27, T.4N. R.17W.		90.9Ac.	51.5Ac.	0.7Ac.			7-9	1 & 2 of
		S½ Section 26, T.4N. R.17W.			49.0Ac.	0.2Ac.			9 & 10	D-14-T-332A
		S½ Section 25, T.4N. R.17W.			59.4Ac.	3.0Ac.			10-12	AT END
		S½ Section 30, T.4N. R.16W.			46.0Ac.	0.8Ac.			12-14	OF PLANS.
14-037	U.S.A. (B.L.M.)	NE¼ Section 31, T.4N. R.16W.			1.2Ac.	4.1Ac.			14	
		SW¼ Section 29, T.4N. R.16W.			6.5Ac.	0.2Ac.			14 & 15	
		N½ Section 32, T.4N. R.16W.			42.6Ac.	None			14-16	
		N½ Section 33, T.4N. R.16W.			49.0Ac.	10.5Ac.			16 & 17	
		Section 34, T.4N. R.16W.			49.0Ac.	10.7Ac.			17-19	
		Section 35, T.4N. R.16W.			49.0Ac.	20.4Ac.			19-21	

FINALIZED DO NOT REVISE OR ALTER

CHECKED BY [signature] 4-21-65

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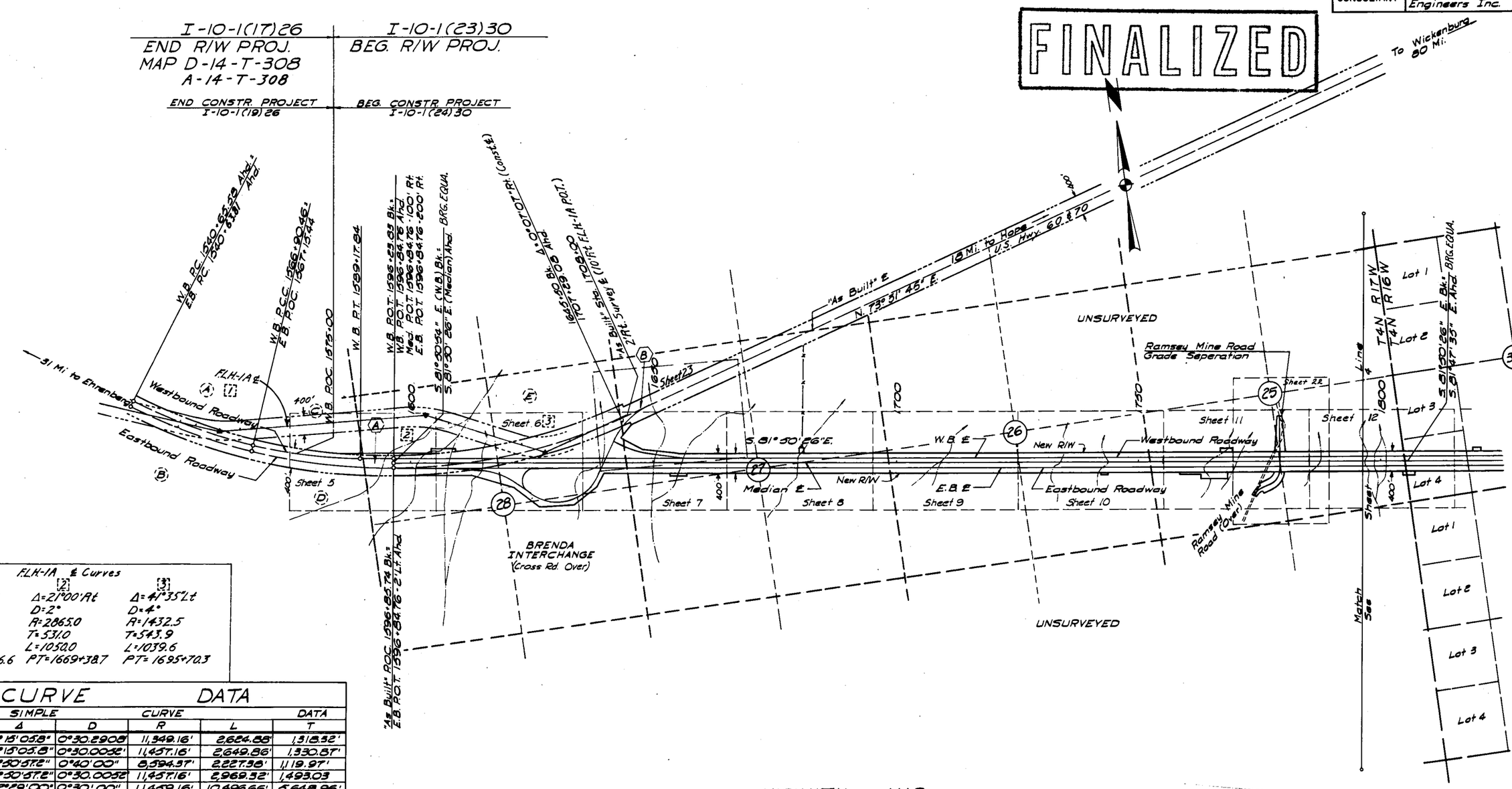
EHRENBERG – PHOENIX HWY.
BRENDA EAST SEC.
YUMA COUNTY

Click here for I-10 Index

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	3 of 28
DRAWN BY	E. R. Weesner
DATE COMP.	MAR. 26 1965
SCALE	1" = 1,000'
CONSULTANT	Robinson & Assoc. Engineers Inc.

FINALIZED



F.L.H.-1A ℄ Curves		
[1]	[2]	[3]
Δ=18°21'Lt	Δ=21°00'Rt	Δ=41°35"Lt
D=2°	D=2°	D=4°
R=2865.0	R=2865.0	R=1432.5
T=462.8	T=531.0	T=543.9
L=917.5	L=1050.0	L=1039.6
PT=1626+66.6	PT=1669+38.7	PT=1695+70.3

CURVE DATA

CURVE	SIMPLE CURVE DATA				
	Δ	D	R	L	T
(A)	13°15'05.8"	0°30.2908'	11,349.16'	2,624.88'	1,318.32'
(B)	13°15'05.8"	0°30.0052'	11,457.16'	2,649.86'	1,330.87'
(C)	14°50'57.2"	0°40'00"	8,594.37'	2,227.38'	1,119.97'
(D)	14°50'57.2"	0°30.0052'	11,457.16'	2,969.32'	1,493.03
(E)	52°29'00"	0°30'00"	11,459.16'	10,496.66'	5,648.96'

VICINITY MAP
Scale: 1" = 1,000'
1 of 2

REDUCED SIZE DO NOT SCALE

FINALIZED DO NOT REVISE OR ALTER

INDEX TO EXISTING R/W

INDEX	SUBDIVISION	SEC.	TWNSHP	RANGE	ACQ. FROM	TYPE	BOOK	PAGE	WIDTH	YEAR	PARCEL #
(A)	N1/2	28	4N	17W	U.S.B.L.M.	Withdrawal	—	02818	400'	1952	2825
(A)	W1/2NW1/4	27	4N	17W	U.S.B.L.M.	Withdrawal	—	02818	400'	1952	2825
(B)	N½	28,29	4N	17W	U.S.B.L.M.	Withdrawal	141886 Ltr "F"		400'	1931	C-14-T-69

CHECKED BY [signature]

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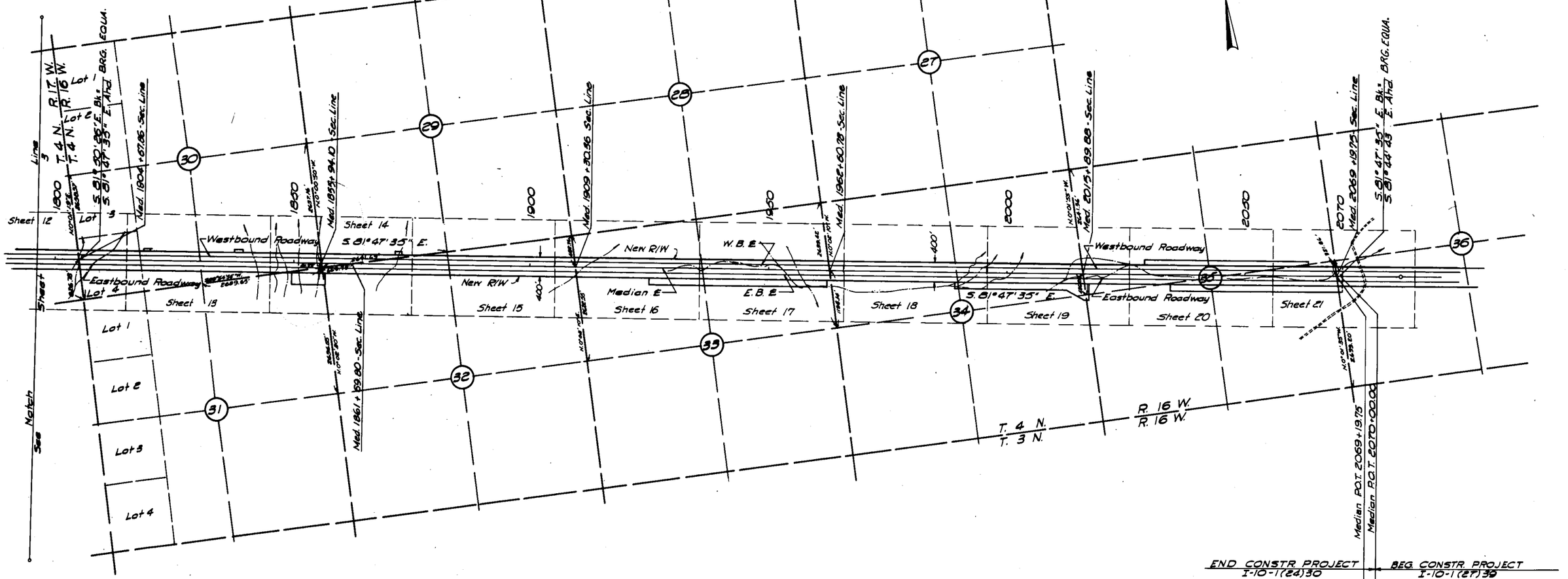
EHRENBERG - PHOENIX HWY.
BRENDA EAST SEC.
YUMA COUNTY

Click here for I-10 Index

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	4 of 28
DRAWN BY	E. R. Weesner
DATE COMP.	MAR 26 1965
SCALE	1" = 1,000'
CONSULTANT	Robinson & Assoc. Engineers Inc.

FINALIZED



VICINITY MAP
Scale: 1" = 1,000'
2 of 2

REDUCED SIZE DO NOT SCALE

FINALIZED DO NOT REVISE OR ALTER

CHECKED BY

HARD COPY 6274-M-1 & M4

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EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

CHECKED BY: John M. Gregory 4-21-65

6274-M-1

HARD COPY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	5 of 28
DRAWN BY	W.B.
DATE COMP.	MAR 26 1965
SCALE	1"=100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED

W.B. Curve Data
Δ = 14°50'57.2" Lt. T = 1,119.97'
D = 0°40'00" L = 2,227.38'
R = 8,594.37' P.I. Sta. 1578+10.43

W.B. STA. 1575+00
E.B. STA. 1575+50 (Const. ℄ 2' Lt)
BEGIN PROJ. I-10-1(24)30
End Proj. I-10-1(19)20

Not Found

20 21 / 29 28

T.4 N.

R.17 W.
UNSURVEYED

14-037

Sec. 29

Sec. 28

NE 1/4 NE 1/4

NW 1/4 NW 1/4

SE 1/4 NE 1/4

SW 1/4 NW 1/4

1575 1580 1585 1590 1595 1600

W.B. Sta. 1579+62
New 24"x 58' C.M.P.-Sk. 30° Lt.
New 2' Hdwl. Lt., Std. C-9 & C-13

100' Lt.
W.B. Sta. 1583+79.13

New 5-Wire Fence
Std. C-16

W.B. P.T. 1589+17.84

Approx. Section Line

W.B. Sta. 1595+87 to 1596+13
New 2-10'x 8'x 76'-0" Box Culv.
Sk. 30° Rt. Std. C1-10-2.30° Sk. & CW-4

EQUATION
W.B. P.O.T. 1596+28.83 Bk.
W.B. P.O.T. 1596+84.76 Ahd.
Med. P.O.T. 1596+84.76 -100' Rt.
E.B. P.O.T. 1596+84.76 -200' Rt.
"As Built" P.O.C. 1596+85.74 -202' Rt.

W.B. Sta. 1604+85
New 2-6'x 6'x 94'-0" Box Culv.
Std. C1-6.24 CW-4

Approx. 1/16 Line

1604+30

1605

Exist. R/W

No Access

BEARING EQUATION
S.81° 50' 54" E. (W.B.) Bk. =
S.81° 50' 26" E. (Med.) Ahd.

Approx. 1/16 Line

New R/W

150'

S.81° 50' 54" E.

W.B. ℄

S.81° 50' 26" E.

Med. & Survey ℄

100'

400'

152'

Approx. 1/16 Line

Exist. U.S. Hwy. 60-70

40' B.S.L.

150'

Exist. R/W

Slope Limits

252' Rt.
Med. Sta. 1596+84.76

Exist. R/W

New R/W

Match

EQUA.
E.B. Sta. 1581+20.92 Bk. =
"As Built" P.O.C. 1581+21.38 Ahd. -2' Rt.

"As Built" Sta. 1581+30
24"x 54' C.M.P.- In Place
"L" Hdwl. Lt.
To Remain

"As Built" Sta. 1596+16
2-9'x 7'x 46'-6" Box Culv.- In Place
To Remain

New 5-Wire Fence
Std. C-16 & C-16-A

Exist. 4 Strand Barb Wire Fence
Remove

Reference Material
Hard Copys
14-H-168 14-H-208
6274H1
Field Books
14-154F 14-172F
14-197F 6274T1
B.L.M. Plats
02818 02820
R/W Maps
D-14-T-308 C-14-T-69
A-14-T-308A C-14-T-319
Yuma Key Map pp 647
Construction Plans
F.L.H. 1-A F.I.-98(19)
F022-1(4) I-10-1(19)
Engineering Review
Completed July 7, 67 A.W.B.

E.B. - Exist. ℄ Curve Data
Δ = 7°49'18.48" T = 783.40'
D = 0°30'00" L = 1,564.36'
R = 11,459.16' P.I. Sta. 1589+04.78

F.I.-98 (Survey) Total Curve Data
Δ = 52°29'2 Lt D = 0°30'
R = 11,459.16 T = 5,648.96
L = 10,496.66 P.T. 1645+60.74
P.I. = 1597+48.96
(P.O.C. 1645+50 = CONST. P.T. 1707+29.08 Δ)

"As Built" Sta. 1604+67
2-6'x 6'x 46'-6" Box Culv.- In Place
Extend 36'-9" Rt.

I-10-1(23)30
BEGIN R/W PROJ.

I-10-1(17)26
END R/W PROJ.
Map No. D-14-T-308
A-14-T-308A

REDUCED SIZE
DO NOT SCALE

FINALIZED DO NOT REVISE OR ALTER

Click here for I-10 Index

EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(25)30
DRAWING NO.	D-14-T-332
SHEET NO.	6 of 28
DRAWN BY	W.B.
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

CHECKED BY Bob Gregson 4-21-65

HARD COPY 6274-M-1

FINALIZED

T.4 N. R.17 W. UNSURVEYED

NW¼ NE¼ 14-037

NE¼ NW¼ 14-037

New 5 Wire Fence Std. C-16

New Flood Gate

Approx. 1/16 Line

Exist. 4 Strand Barb Wire Fence Remove

W.B. Sta. 1610+74.50 to 1611+10.69
New 3-10'x7'x99'0" Box Culv. Sk. 22°55' Rt.
Join to Exist. Box Culv. with 59'10" Flume

"As Built" Sta. 1615+00
36"x66' C.M.P. - In Place
Extend ~~66~~ Lf. 80'

"As Built" Sta. 1630+10
10'x5'x88'6" Box Culv. - In Place
To Remain

Exist. D.S. Hwy. 80-70

Exist. R/W

New Drainage Easement

1605 1610 1611+00 350 Lf. 1615 1620 1625 1630 1635

200' Lf.
Med. Sta. 1607+63.22

Line

100' 100' 400' 152' 100' 100'

℄ Ramp "D"

M.P. #31

Exist. No. 2 Gate Remove

S.81° 50' 26"E.
Med. ℄ Survey ℄
E.B. ℄

W.B. ℄

Alt. +35.0 ℄ 27'12" Stone Mound +99 - 18 Rt.

+77 152' Rt.

+56 87 Rt.

℄ Ramp "B"

℄ Ramp "A"

14-037

SW¼ NE¼

Stone Mound +66 - 20 265' Rt.

W.B. Sta. 1629+20
New 10'x8'x104'0" Box Culv.
Skew 30° Rt.
Std. C1-10-1 -30°Sk. ℄CW-4

E.B. Sta. 1628+05
New 10'x8'x119'0" Box Culv.
Skew 30° Rt.
Std. C1-10-1 -30°Sk. ℄CW-4

Match

New R/W

252' Rt.
Med. Sta. 1613+00

S.66° 04' 24"E.
883.25'

E.B. Sta. 1614+65
New 36"x~~66'~~ Pipe Culv. Sk. 20° Rt.
New Str. Hdwl. Rt. Std. C-9 108'

No Access

"As Built" Sta. 1610+65
3-10'x7'x65'0" Box Culv. - In Place
Skewed 30° Rt.
Extend Rt. with 3-10'x7'x101'-10" Box Culv.

SE¼ NW¼

New 5 Wire Fence Std. C-16

Approx. Mid-Section Line

490' Rt.
Med. Sta. 1621+50

S.45° 29' 55"E.
658.03'

Cross Rd. Sta. 3+56
New 10'x8'x83'0" Box Culv. Sk. 30° Lt.

Approx. 1/16 Line

REDUCED SIZE DO NOT SCALE

℄ Cross Road

28

Approx. Mid-Section Line

NE¼ SW¼

14-037

S.84° 15' 35"E.
720.62'

880' Rt.
Med. Sta. 1626+80

New Flood Gate

850' Rt.
Med. Sta. 1634+00

Match

BRENDA INTERCHANGE
(CROSS ROAD OVER)

FINALIZED DO NOT REVISE OR ALTER

EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	7 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1"=100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED

CHECKED BY, John McGregor 1931-65

HARD COPY 62 NL-M.I

SEE SHEET 23

Exist. R/W

Approx. 1/16 Line

40' B.S.T.

Exist. 4 Strand Barb Wire Fence Remove

Exist. R/W

Match

192' Rt. Sta. 1708+00 ~~Ahead~~ F-022-1(701) Survey ℄

Exist. R/W

T. 4 N. R. 17 W. UNSURVEYED

SW 1/4 NW 1/4

Approx 1/16 Line

SE 1/4 NW 1/4

SE 1/4 NE 1/4

N 35° 09' 34" E.

295.53'

N 38° 02' 53" E.

Cross Rd. Sta. 27+80
New 2-48"x112' Pipe Culv.

480' Lt.
Med. Sta. 1643+50

W.B. Sta. 1649+30
New 24"x~~116'~~ Pipe Culv.

280' Lt.
Med. Sta. 1648+00

492.44'
S. 57° 52' 41" E.

W.B. Sta. 1652+27 to 1652+53
New 2-10'x5'x10'-0" Box Culv.
Skew 30° Lt.
Std. CI-10-2-30°Sk. & CW-3

W.B. Sta. 1659+50 to 1659+88.50
New 3-10'x6'x76'-0" Box Culv.
Skew 30° Rt.
Std. CI-10-3-30°Sk. & CW-4

W.B. Sta. 1638+10
New 36"x~~82'~~ Pipe Culv.
New Str. Hdwl. Rt., Std. C-9 72'

W.B. Sta. 1645+00
New 2-48"x~~84'~~ Pipe Culv.
52'

Ramp "C"

Ramp "F" Sta. 3+65
New 2-48"x110' Pipe Culv.

W.B. Constr. ℄

704.56'
S. 75° 19' 15" E.

200' Lt.
Med. Sta. 1655+00

New Flood Gate

New Flood Gate

New R/W

No Access

Slope Limits

Med. Sta. 1640+00
Cross Rd. Sta. 19+33.90
New 3 Span Underpass

3.81° 50' 26" E.
Median ℄ Survey ℄

E.B. Constr. ℄

Slope Limits

New R/W

E.B. Sta. 1640+55
New 36"x~~76'~~ Pipe Culv.
New Str. Hdwl. Rt., Std. C-9 50'

E.B. Sta. 1649+50
New 24"x~~98'~~ C.M.P. 48'

200' Rt.
Med. Sta. 1640+00

N. 27° 48' 48" E.
297.32'

E.B. Sta. 1644+90
New 2-48"x~~118'~~ Pipe Culv. 80'

E.B. Sta. 1653+27 to 1653+58
New 2-10'x5'x66'-0" Box Culv.
Skew 30° Lt.
Std. CI-10-2-30°Sk. & CW-3

New Flood Gates

New Drain. Easement

New 5 Wire Fence
Std. C-16

E.B. Sta. 1656+31 to 1656+78.15
New 3-10'x6'x72'-6" Box Culv.
Skew 45° Rt.
Std. CI-10-3-45°Sk. & CW-7 & CW-8

Approx. Mid-Section Line

475' Rt.
Med. Sta. 1638+75

N. 61° 39' 29" E.
622.01'

Approx. Section Line

BRENDA INTERCHANGE
(CROSS ROAD OVER)

Sec. 28

Sec. 27

NE 1/4 SE 1/4

NW 1/4 SW 1/4

NE 1/4 SW 1/4

28 | 27
33 | 34

Not Found

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REDUCED SIZE DO NOT SCALE

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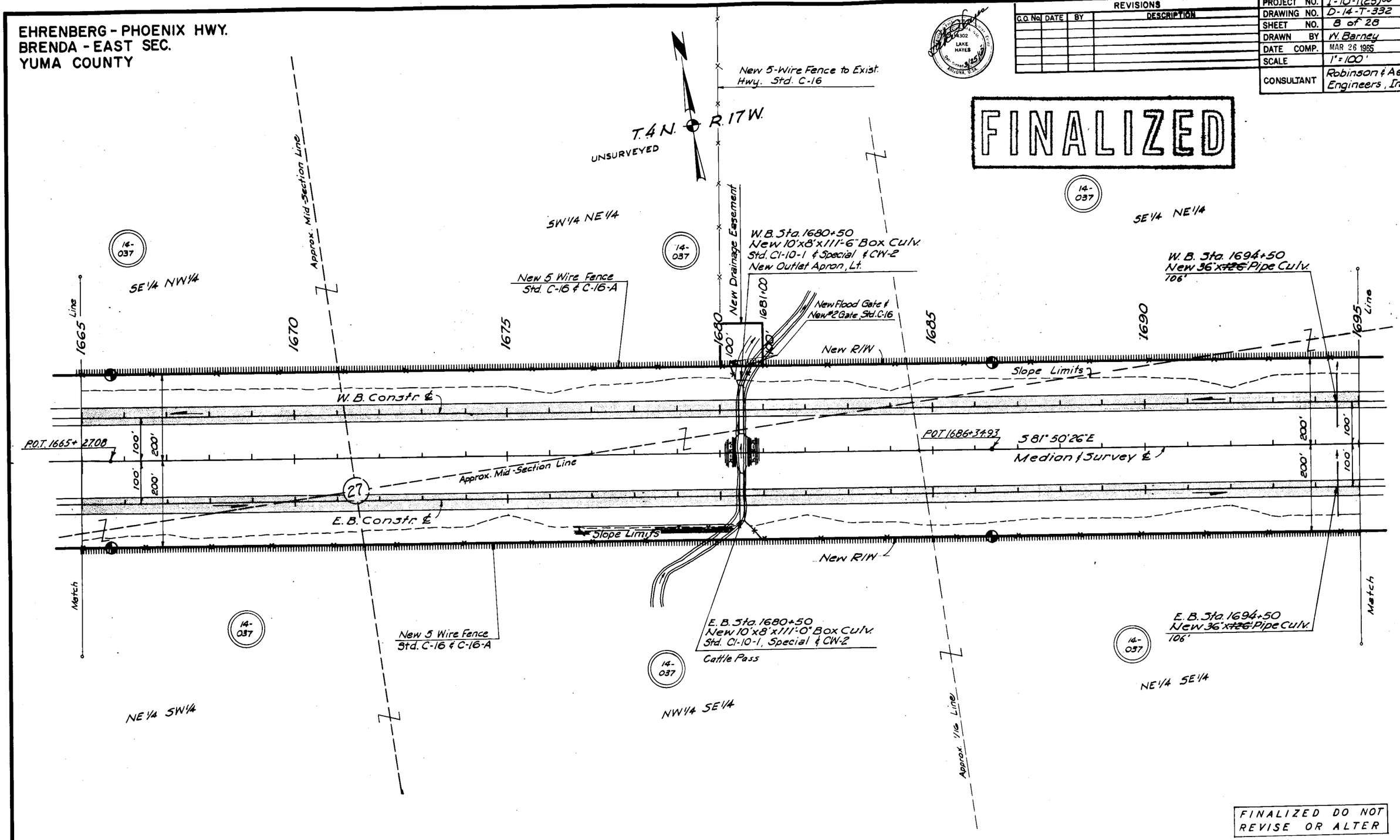
EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	8 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

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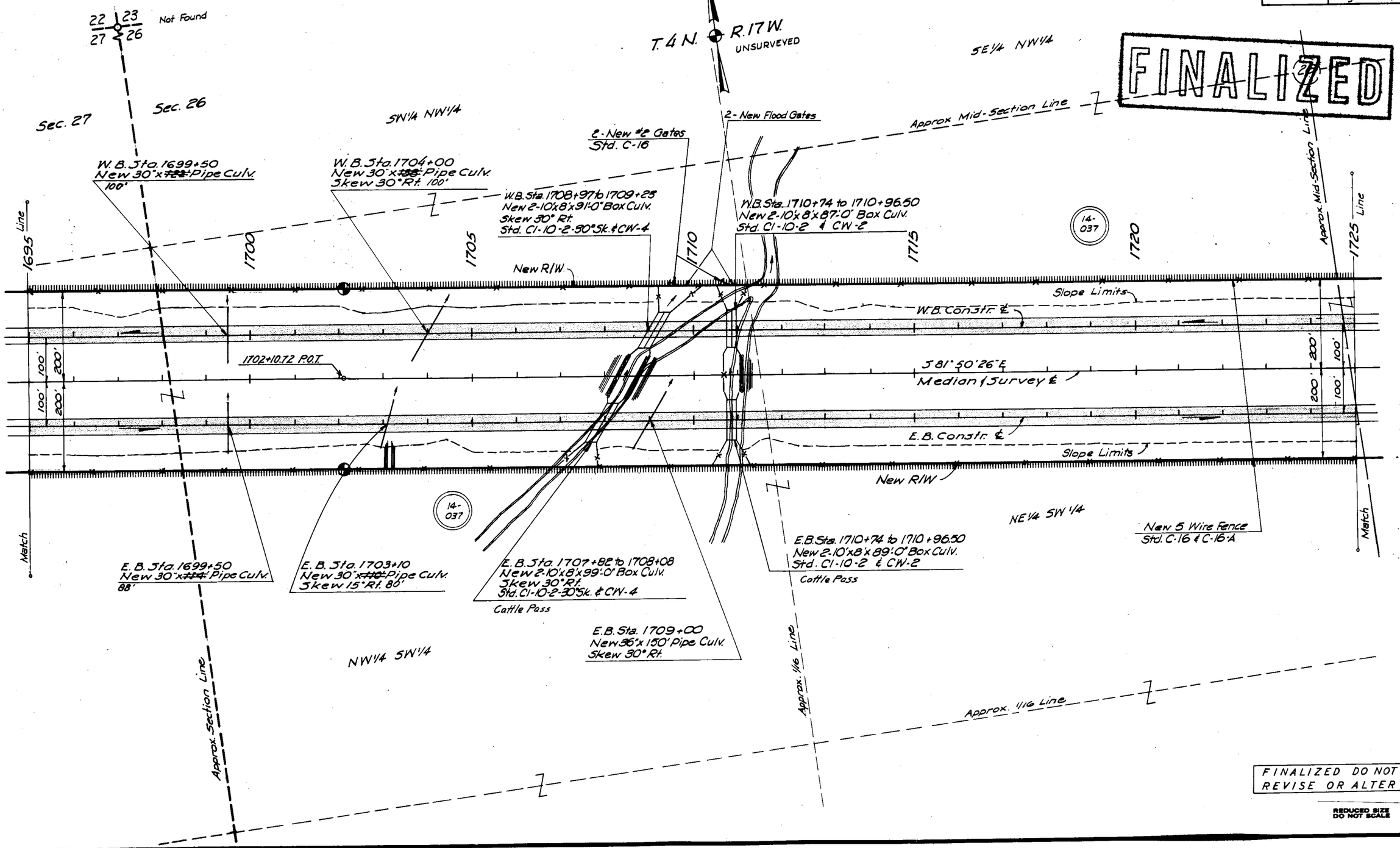
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	9 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.



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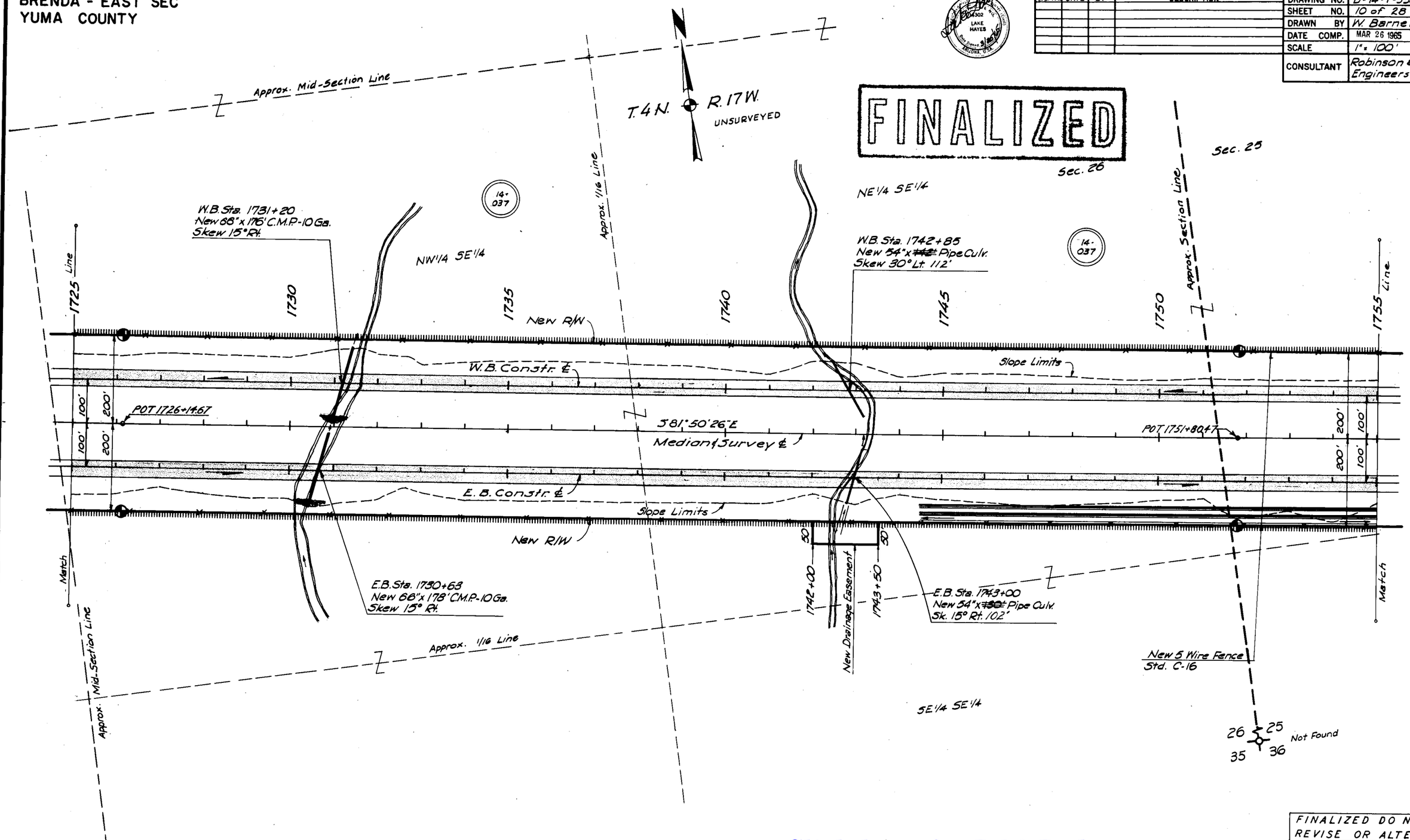
BRENDA - EAST SEC
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	10 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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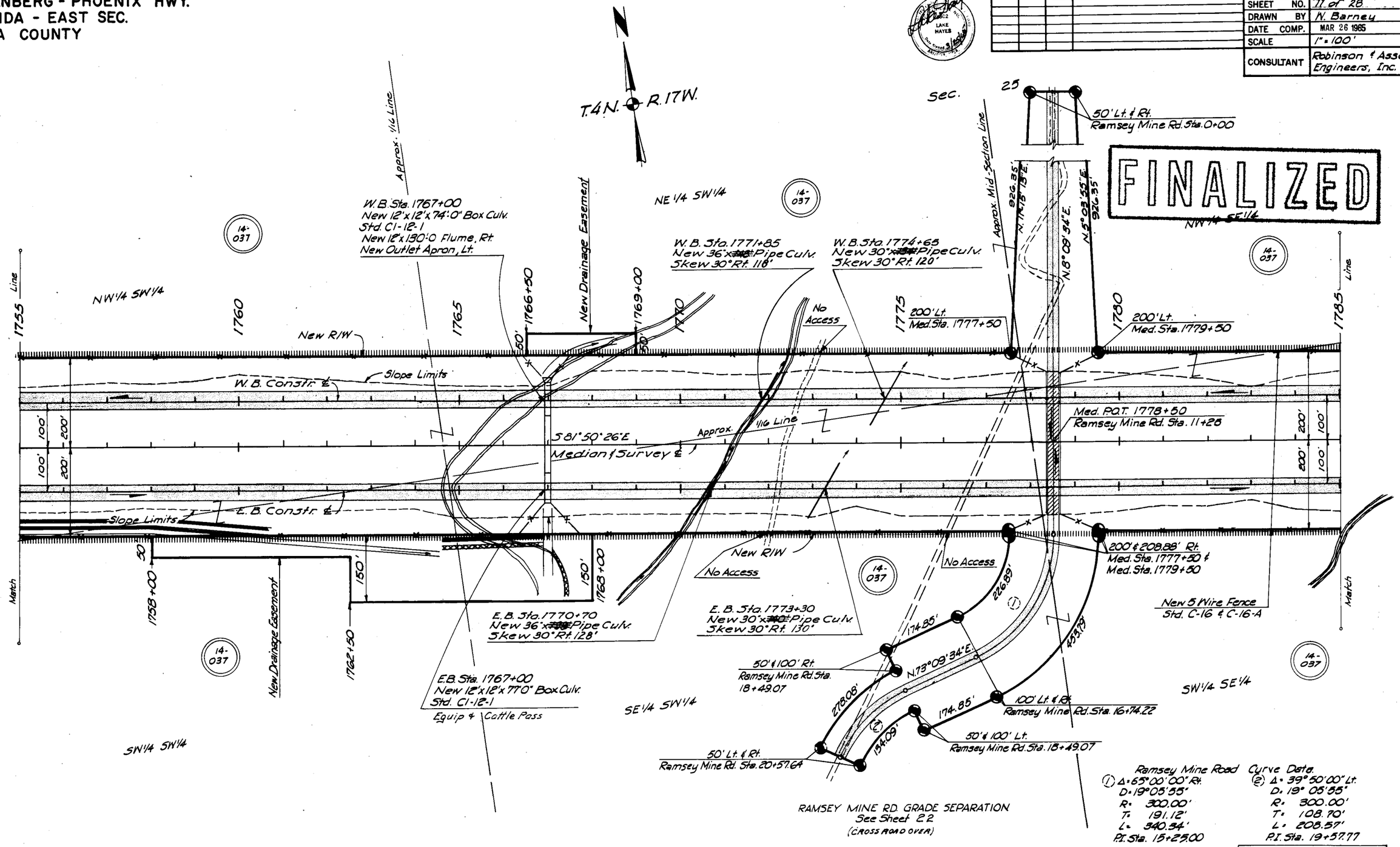
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	11 of 28
DRAWN BY	N. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.



RAMSEY MINE RD. GRADE SEPARATION
See Sheet 22
(CROSS ROAD OVER)

Ramsey Mine Road Curve Data.

①	②
Δ = 65°00'00" Rt.	Δ = 39°50'00" Lt.
D = 19°05'55"	D = 19°05'55"
R = 300.00'	R = 300.00'
T = 191.12'	T = 108.70'
L = 340.34'	L = 208.57'
P.I. Sta. 15+25.00	P.I. Sta. 19+57.77

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YUMA COUNTY

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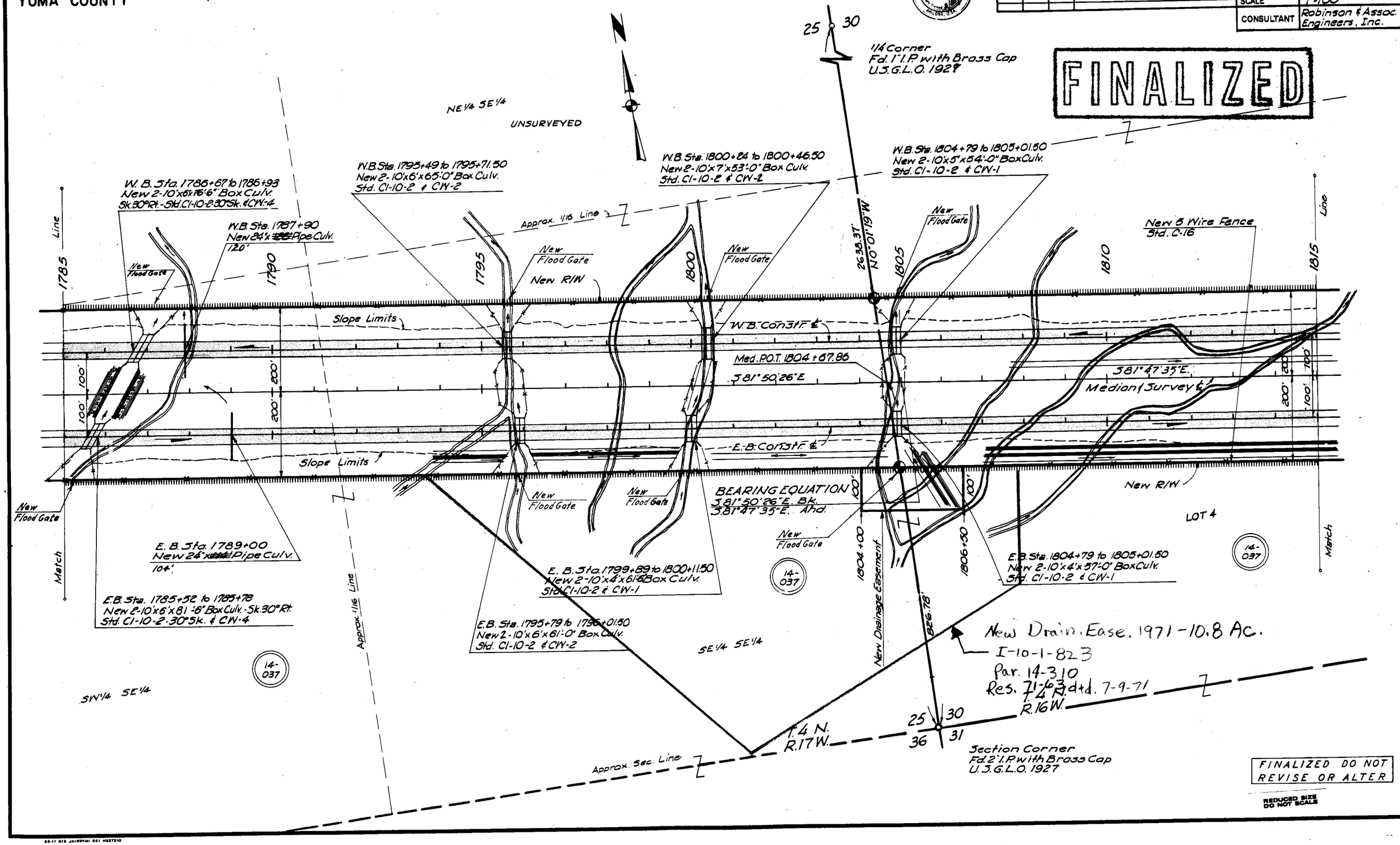
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	12 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1"=100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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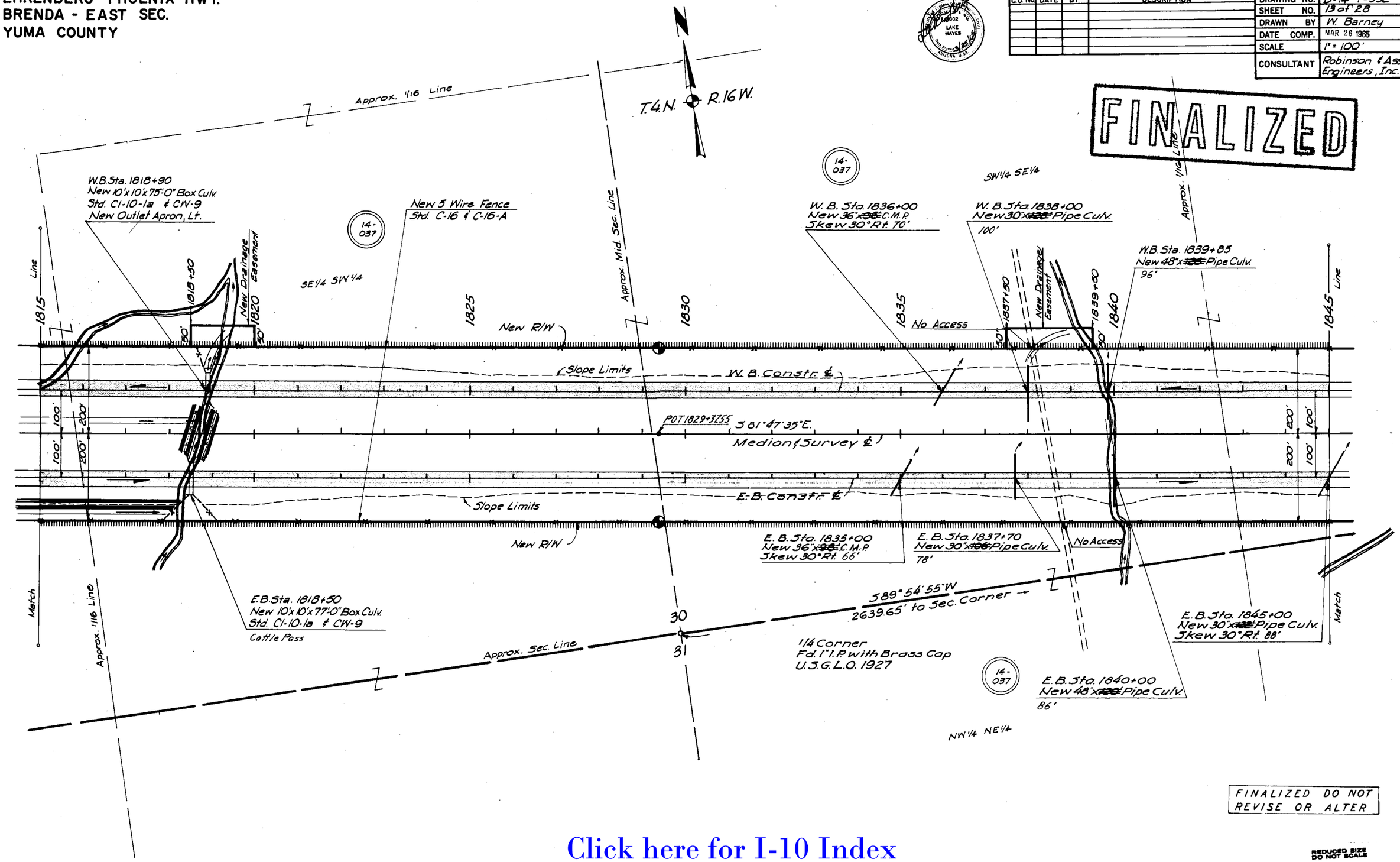
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	13 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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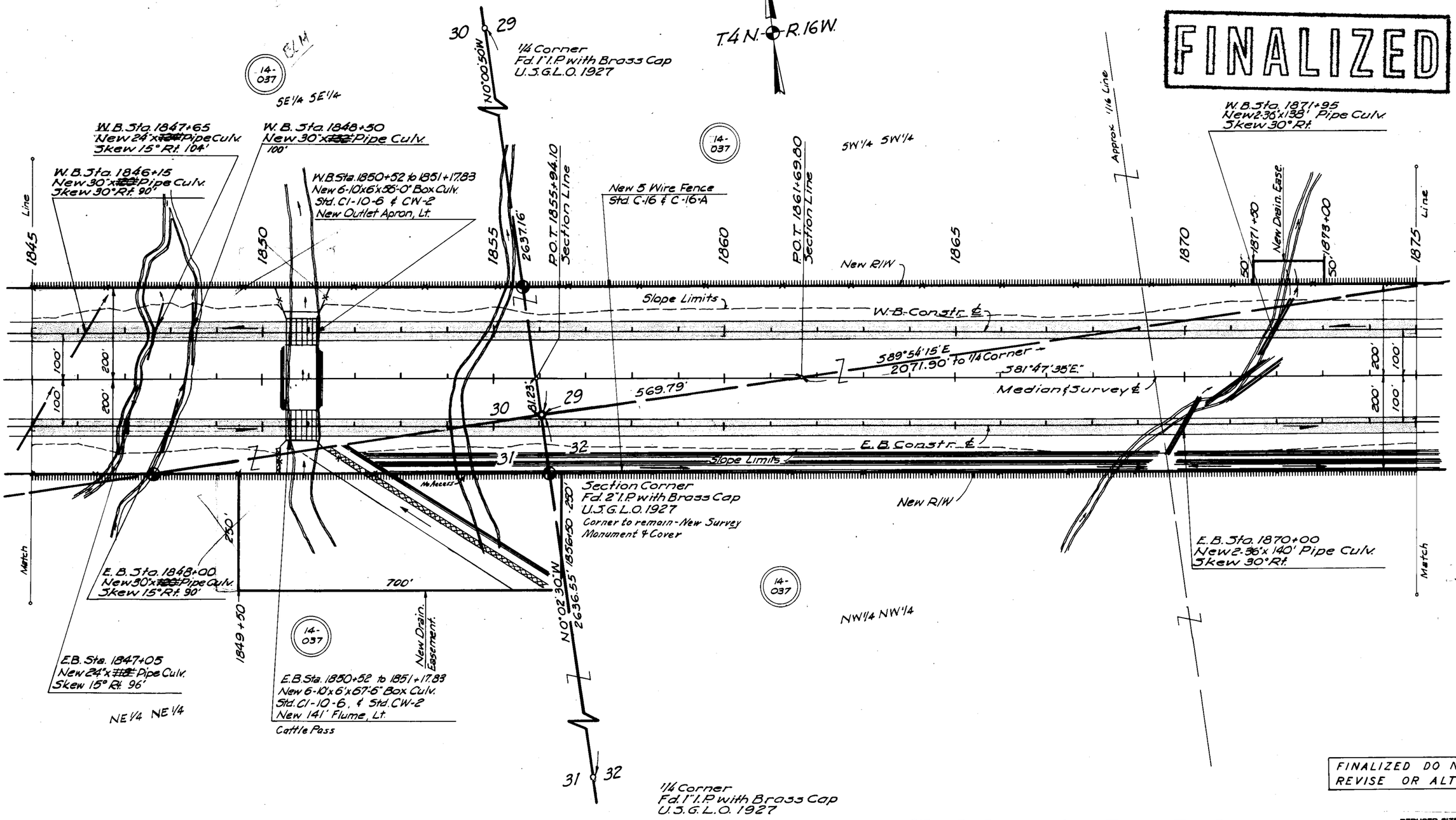
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)80
DRAWING NO.	D-14-T-332
SHEET NO.	14 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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BRENDA - EAST SEC.
YUMA COUNTY

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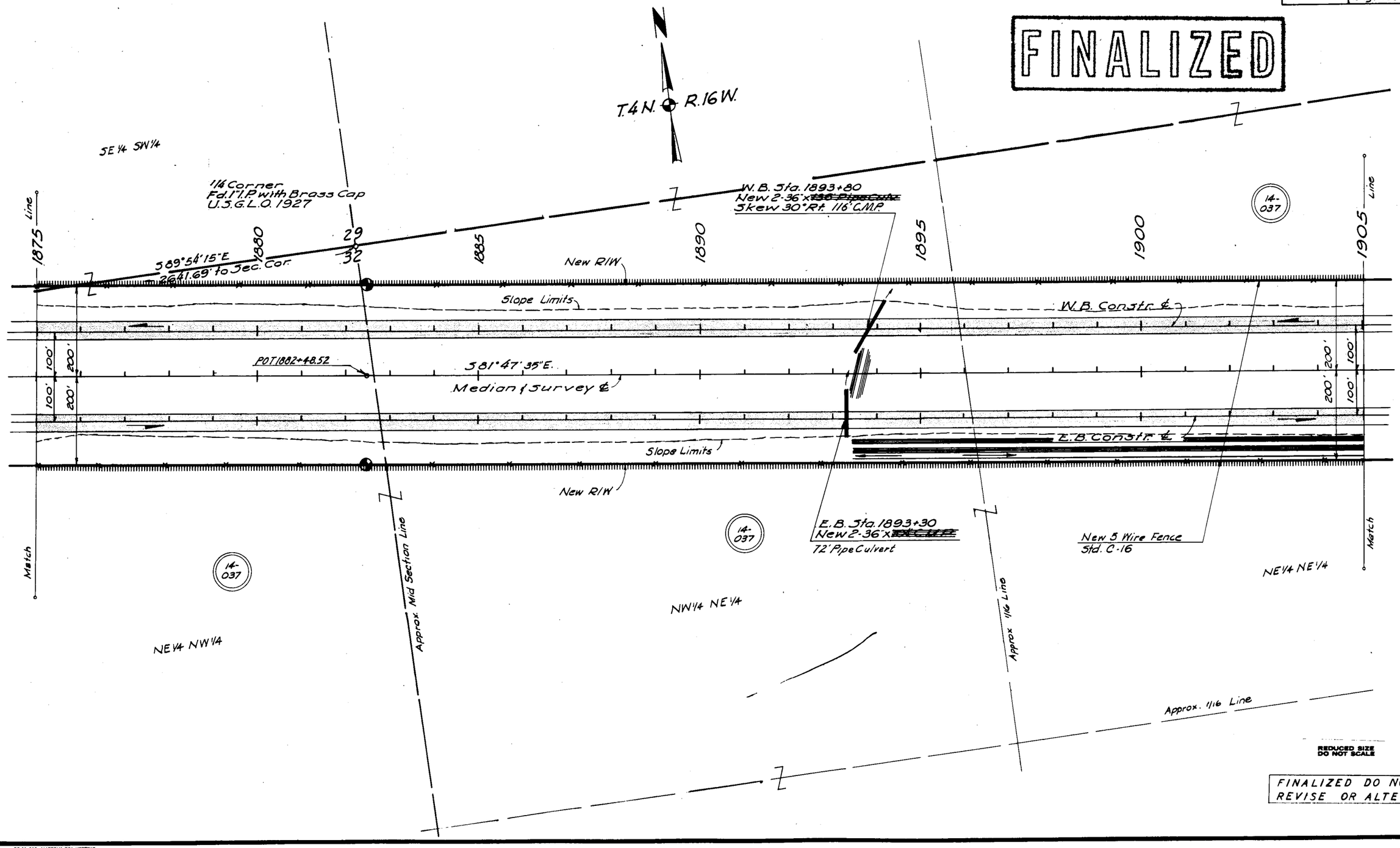
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	15 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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DO NOT SCALE

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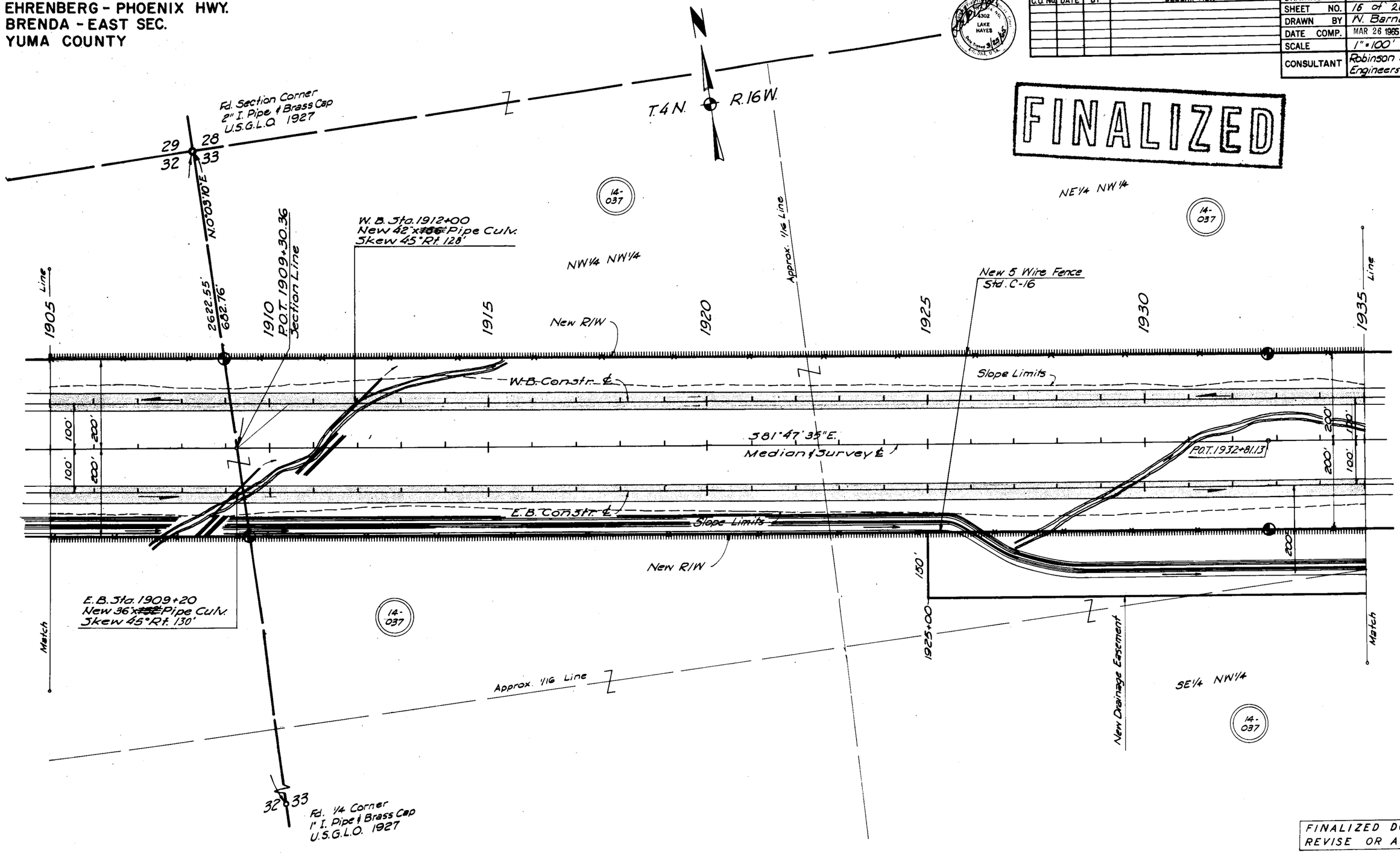
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	16 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)38
DRAWING NO.	D-14-T-332
SHEET NO.	17 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc Engineers, Inc.

FINALIZED

Section Corner
Fd. 2" I.P with Brass Cap
U.S.G.L.O. 1927

28 27
33 34

T.4N. R.16W.

14-037

W.B. Sta. 1951+34.00 to 1952+98.35
New 5-Span Continuous Reinforced Concrete
Slab Bridge; Skew 45° Lt, 38' Clear Rdwy.

NW¼ NE¼

NE¼ NE¼

New 5 Wire Fence
Std. C-16 & C-16-A

W.B. Sta. 1957+00
New 2-36" x ~~774~~ Pipe Culv.
102'

N.0°02'10"W
2639.42'

P.O.T. 1962+60.78
Section Line

1935 Line — Approx. Mid-Sec. Line — 1940 — 1945 — 1950 — 1955 — 1960 — 1965 Line

Approx. 1/16 Line

New R/W

Slope Limits

W.B. Constr. ℄

S81°47'35"E.

Median & Survey ℄

100' 100' 200' 200' 200' 200' 100' 140'

E.B. Constr. ℄

Approx 1/16 Line

New R/W

℄ Ditch

150'

1196.14'

Match

Match

E.B. Sta. 1958+25
New 2-36" x ~~774~~ Pipe Culv.
Skew 30° Lt. 114'

1962+00

14-037

14-037

SW¼ NE¼

New Drainage Easement

SE¼ NE¼

E.B. Sta. 1953+75.00 to 1955+39.35
New 5-Span Continuous Reinforced Concrete
Slab Bridge; 45° Skew Lt., 38' Clear Rdwy.
Cattle Pass

33 34

1/4 Corner
Fd 1" I.P with Brass Cap
U.S.G.L.O. 1927

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REDUCED SIZE
DO NOT SCALE

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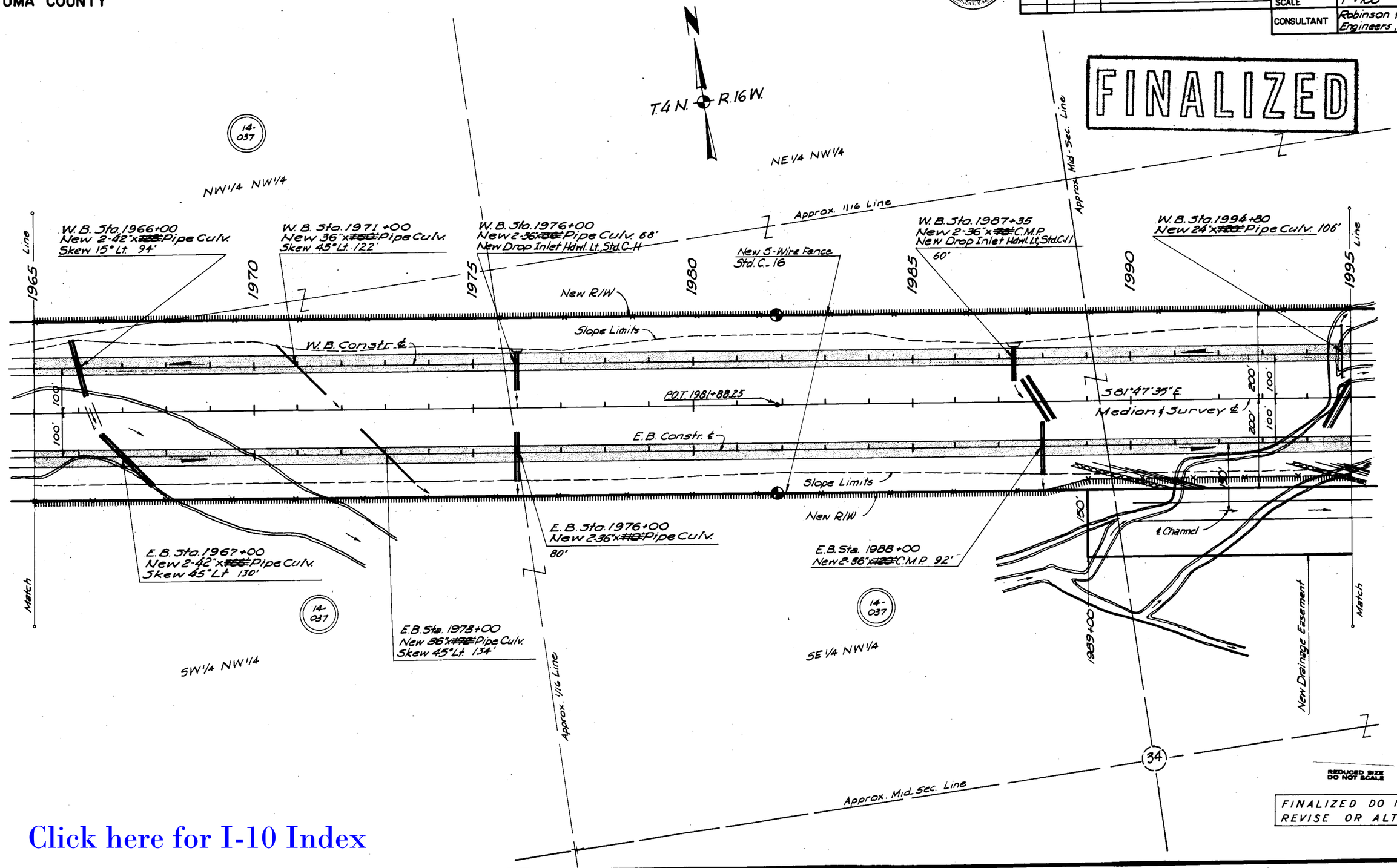
EHRENBERG - PHOENIX HWY.
BRENDA-EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	18 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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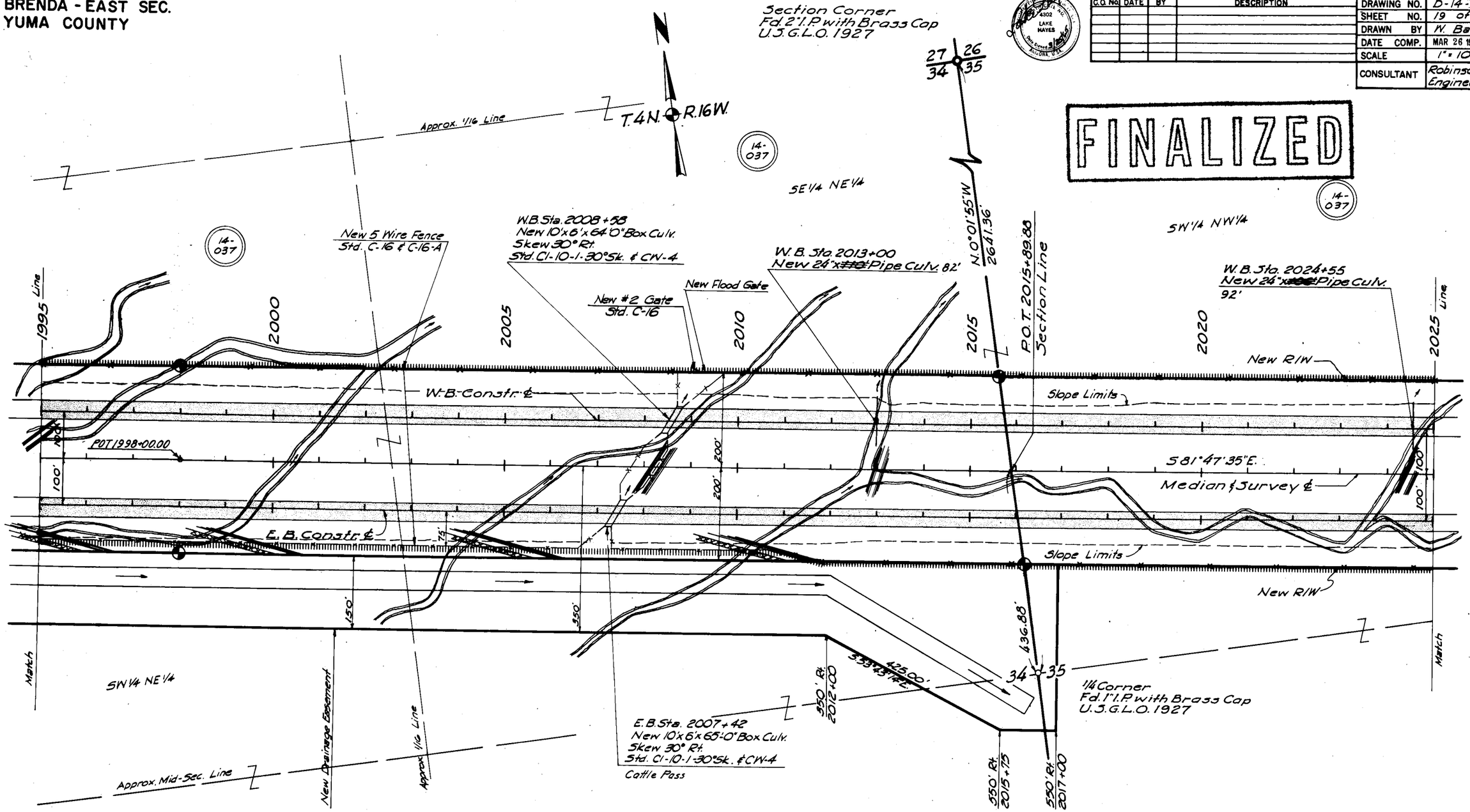
EHRENBERG-PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	19 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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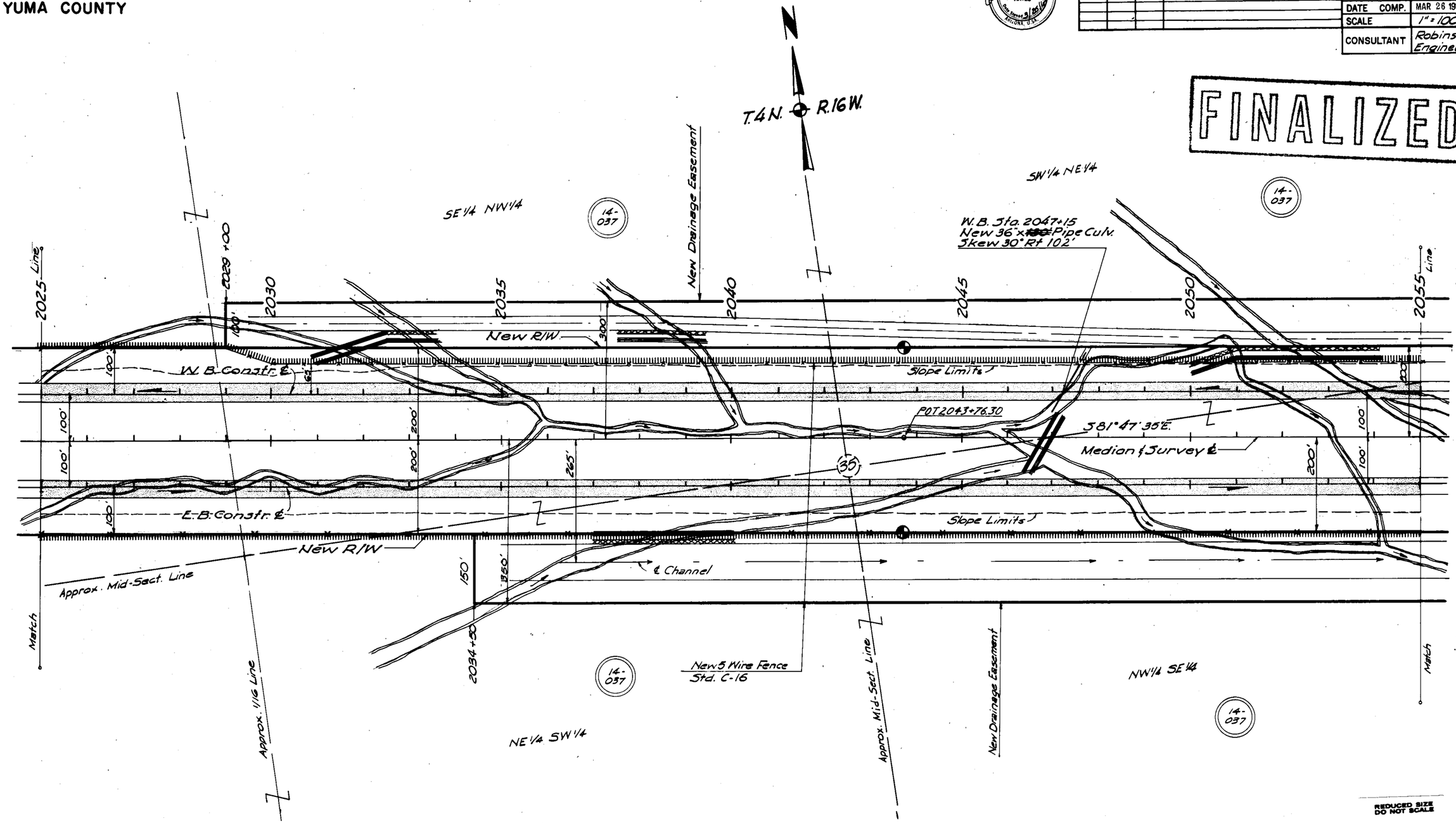
BRENDA - EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)50
DRAWING NO.	D-14-T-332
SHEET NO.	20 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



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EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

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REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	21 of 28
DRAWN BY	W. Barney
DATE COMP.	MAR 26 1965
SCALE	1"=100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

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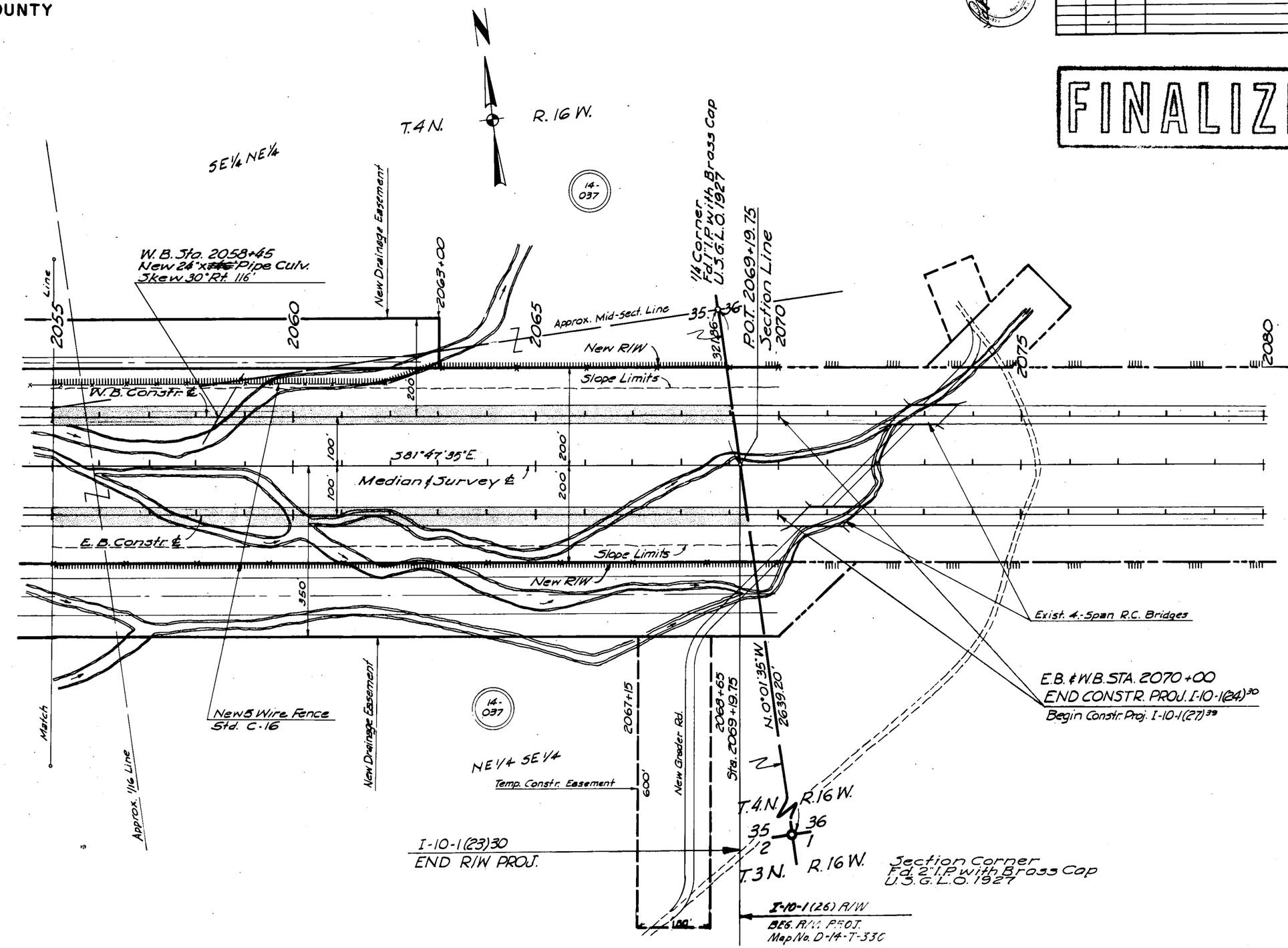

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REDUCED SIZE DO NOT SCALE

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EHRENBERG - PHOENIX HWY.
BRENDA - EAST SEC.
YUMA COUNTY

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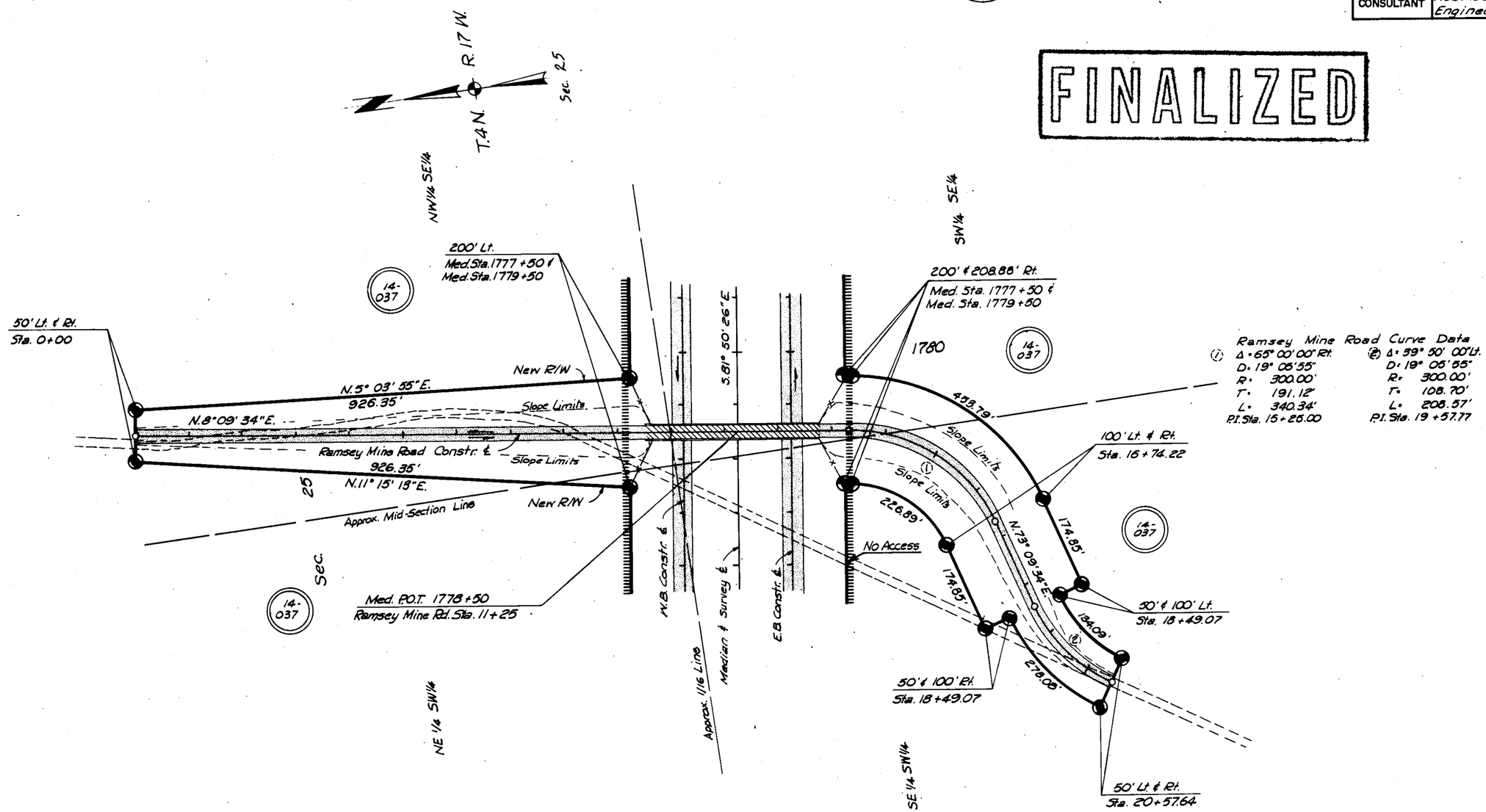
REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	22 of 28
DRAWN BY	J. Kratochvil
DATE COMP.	MAR 26 1965
SCALE	1" = 100'
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



RAMSEY MINE ROAD
GRADE SEPARATION
See Sheet 11
(Cross Road Over)

REDUCED SIZE
DO NOT SCALE

FINALIZED DO NOT
REVISE OR ALTER

CHECKED BY

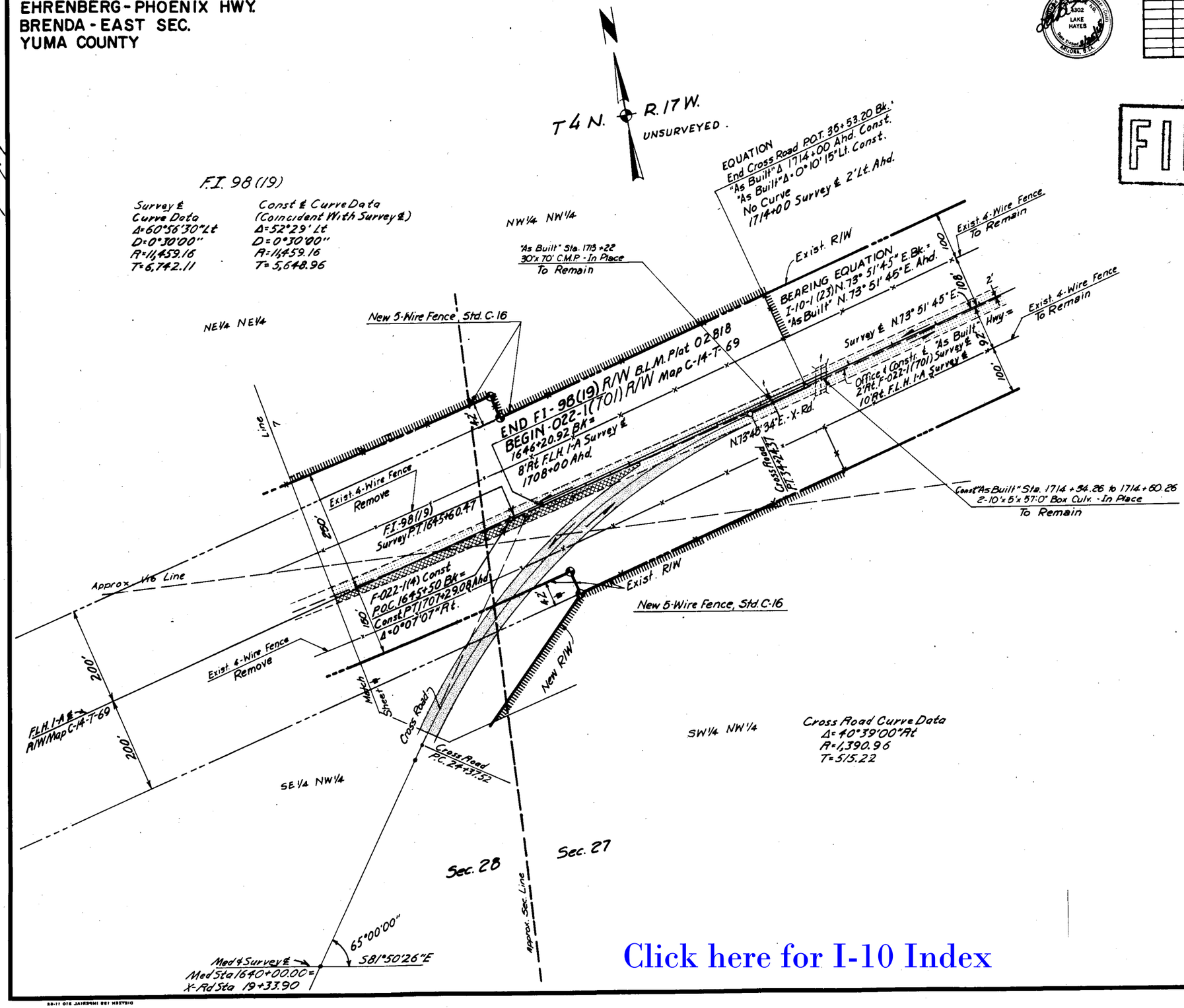
HARD COPY 6274-M-1

EHRENBERG-PHOENIX HWY.
BRENDA-EAST SEC.
YUMA COUNTY

REVISIONS			
C.O. No.	DATE	BY	DESCRIPTION

PROJECT NO.	I-10-1(23)30
DRAWING NO.	D-14-T-332
SHEET NO.	23 of 28
DRAWN BY	J. Kratochvil
DATE COMP.	MAR 26 1965
SCALE	1" = 100
CONSULTANT	Robinson & Assoc. Engineers, Inc.

FINALIZED



REDUCED SIZE DO NOT SCALE

FINALIZED DO NOT REVISE OR ALTER

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CHECKED BY [signature] 4-21-65