SOUTHERN AVENUE POWER ROAD TO ELLSWORTH ROAD

MARICOPA COUNTY

COUNTY	STATE	PROJECT NO.	SHEET	OF	AS BUILT
MARICOPA	ARIZ.	67000	5	19	5.7.86 LPH

Headwall Dimensions (M.A.G. 502.1)	
El. A	= 77.60
El. B	= 77.00
El. C	= 71.58
El. D	= 74.00
E	= 6.02
F	= 2.92
G	= 3.10
H	= 2.92
I	= 3.10
J	= 5.75
K	= 5.35
L	= 0.305
M	= 4.38

Drainage Easement Dkt. 4257 Pg. 398 M.C.R.

Proposed 69KV Power Pole (50'E & 51'N) Bush/Southern West SRP Pwr. Dist.,

Sec. 30 T.1N., R.7E.

Sta. 1+00 25' Rt. Construct New Manhole MAG 522 (Shallow M.H.) With Frame & Cover MAG 423 or 424. Install New 24"x7' RGRCP Stub East & Plug per MAG 427.

Sta. 0+64 to 8+38 (Left) and Sta. 0+64 to 7+66. (Right) Construct 1476 L.F. Vertical Curb & Gutter. MAG Std. 220. Type A, h=7."

Exist. Block Wall

Southern Avenue N. 89°11'24" E.

Maricopa Co. Mesa

N. 0°02'07" W.

Abandoned

Planter Inlet

D/G

See Note A

Note B Elev. 1377.01

Construction ℄

Exist. R/W

Note A Install New 24"x68' RGRCP Connect To Headwall W/ Trashrack (MAG 502-1) North & M.H. South.

Sta. 0+74 Rt. Construct Catch Basin Type E MAG 534* (h=7"). Install New 18"x5' RGRCP Connect To 36" Storm Drain North.

*Or ADOT Catch Basin C-15.10 Type 1 or Equivalent.

Sta. 0+64 to 0+98 Install New 36"x34" RGRCP Connect to Exist. 42" Stub West & M.H. East.

Constr. ℄ Curve Data
Δ = 21°39'17"
D = 5°45'46"
R = 1000.00'
T = 191.26'
L = 377.94'

Sta. 0+00 S.E. Cor. Sec. 25 T.1N., R.6E. Fnd. B.C. in H.H.

N.W. Cor. Sec. 31 T.1N., R.7E. Fnd. B.C. in H.H. Elev. 1375.77

Power Road ~ N. 0°00'50" W. 2635.37'

Maricopa County Mesa

City Limits

Note B Install New Survey Mon. MAG 120-2, Type D (3 ea. this sheet.)

S. 89°26'30" W.

Sec. 31 T.1N., R.7E.

PT. Sta. 4+77.94

Note B Elev. 1378.29

New A.C. Pvm't.

PC. Sta. 7+26.74

Note B Elev. 1379.26

Const. ℄ Curve Data

PC. to Sta. 7+98	PC. to PT.
Δ = 4°04'59"	Δ = 21°24'11"
D = 5°43'46"	D = 5°43'46"
R = 1000'	R = 1000'
T = 35.65'	T = 188.98'
L = 71.26'	L = 373.55'

Make neat pvm't. cut, tack and match new pvm't.

TC = 80.01
G = 79.93

Sta. 7+98 Match

Existing curb & gutter.

Mesa Maricopa County

TC = 79.12
G = 79.02

Remove Barrier

Scale 1"=40' Horz. 1"=4' Vert.

B.M. #1 B.C. in H.H. at N.W. Cor. Sec. 31 El = 1375.38

B.M. #2 B.C. in H.H. at N.E. Cor. Sec. 36 El = 1376.23

STA. 0+64 BEGIN PROJECT 67000

68' ROADWAY

Crown Transition (Varies)

(One Way Crown Rt. 0.02'/ft.

Normal 2 Way Crown 0.02'/ft.

+00 Grade Break

+0.4402 %

+0.168 %

+0.4469 %

Gutter Grade 34' Left

Gutter Grade 34' Right

Fin. Grade at Const. ℄

Exist. Ground at Const. ℄

Existing Pavement

Match Grades

Sta. 7+98 Match Existing

Sta. 8+38 Match Curb

Sta. 7+66 Match Curb

42" Stub

48" S.D.

M.H.

Near 24" Plug

Near 36"

K&E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

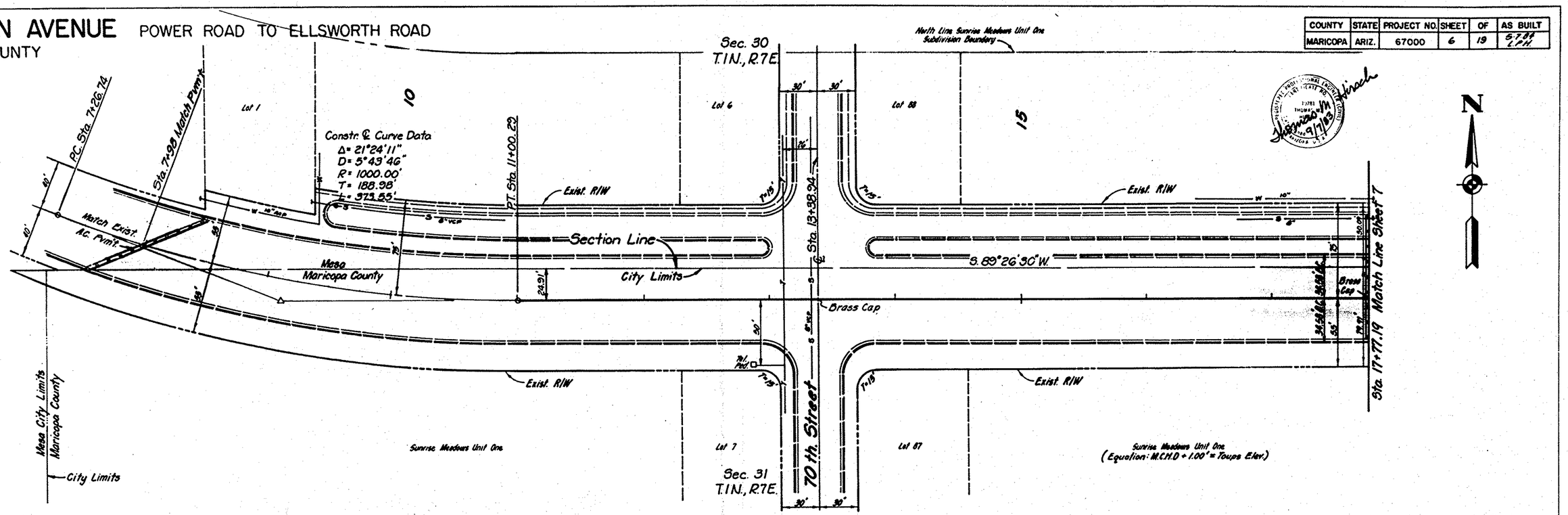
48 7024 MADE IN U.S.A.

DIN#61907

SOUTHERN AVENUE POWER ROAD TO ELLSWORTH ROAD

MARICOPA COUNTY

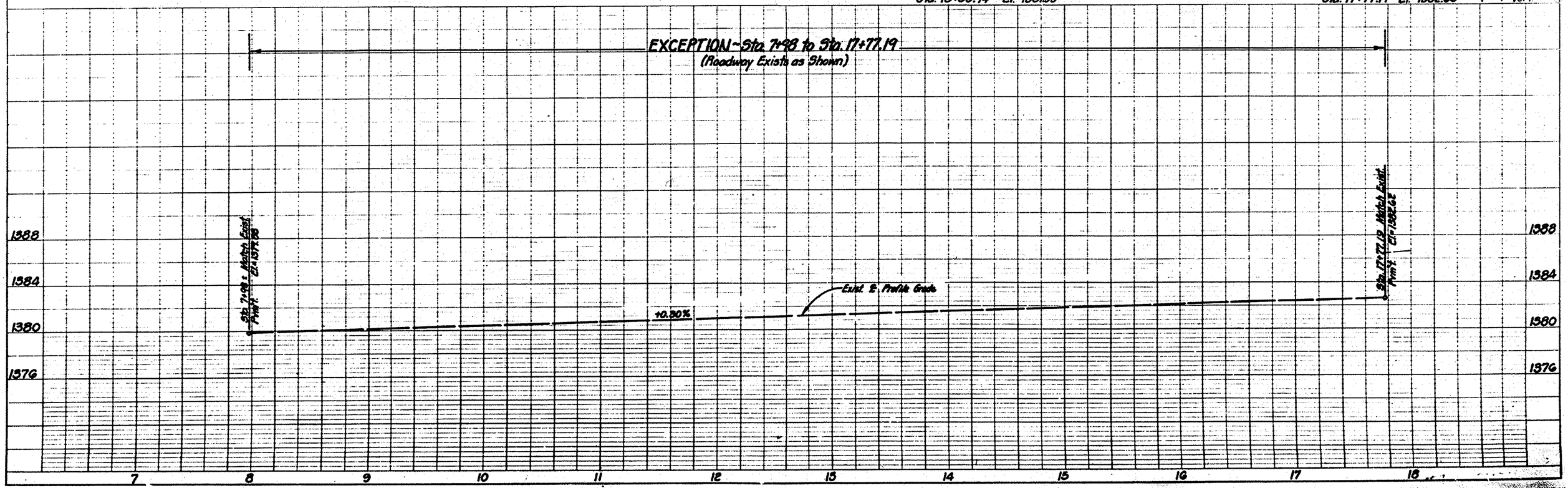
COUNTY	STATE	PROJECT NO.	SHEET	OF	AS BUILT
MARICOPA	ARIZ.	67000	6	19	6.788 L.M.



B.M.#3 B.C. on Constr. ℄
Sta. 13+38.94 El.=1381.33

B.M.#4 B.C. on Constr. ℄
Sta. 17+77.19 El.=1382.66

Scale
1"=40' Horz.
1"= 4' Vert



K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

SOUTHERN AVENUE POWER ROAD TO ELLSWORTH ROAD

MARICOPA COUNTY

COUNTY	STATE	PROJECT NO.	SHEET	OF	AS BUILT
MARICOPA	ARIZ.	67000	7	19	5-7-84 I.P.H.

REGISTERED PROFESSIONAL ENGINEER CERTIFICATE NO. 10781 THOMAS M. JOHNSON DATE 9/1/83 ARIZONA, U.S.A.

T 2239

T 2239

Sec. 30 T.1N., R.7E.

Sec. 31 T.1N., R.7E.

Sunrise Meadows Unit Two (Book 206, Page 45)

Sunrise Meadows Unit Two S 78-40

Boundary of Sunrise Meadows Subdivision

Lot 21

Lot 22

20

25

Sta. 17+77.19 Begin Taper Lt & Rt.

Sta. 19+00 End Taper Lt & Rt.

Sta. 17+77.19 Match Line Sheet 6

Exist. R/W

City Limits

City of Mesa

Maricopa County

Section Line

Crown Line

Construction ℄

New A.C. Pvmt.

Exist. Roadway

50.01'

75'

34'

24.3'

30'

71.1'

55'

Construct 220 L.F. Vertical Curb & Gutter: MAG 220 Type A, 6"-8" 7" Construct 4 Curb Terminal Sections, ADOT C-05.10

Sta. 26+47.89 W 1/4 Cor. Sec. 31, T.1N, R.7E. Fnd. B.C. in H.H. (to remain)

Sta. 28+48 Begin Taper Lt & Rt.

Sta. 30+00 Match Line Sheet 8

40' 40'

47' Face to Face

+89

+49

+06

+46

10:1

60:1

3% Typ.

55'

59'

30'

24.91'

40'

60'

64.91'

Remove 276 L.F. Exist. Conc. Curb (138 L.F. Ea. Side) See Detail 5

S. 72nd Street Sta. 26+47.89

Remove (Typ.) 1'

Pvmt Sawcut Line For Removal Detail 5

New Pvmt.

Maricopa County City of Mesa

B.M.#5 B.C. in H.H. Sta. 26+47.89 Elev. 1388.79

Scale: 1"=40' Horz. 1"=4' Vert.

68' to 60'

60' ROADWAY

Normal 2 Way Crown 0.02'/ft.

Transition to match asphalt sawcut line

Transition to Normal 2 Way Crown

TAPER 60' to 48'

+00

+44

+51

Sta. 17+77.19 Match Line Sheet 5

Sta. 19+00 Rt. El. 1388.23 Corr. +0.21

Sta. 25+00 P.I. El. 1391.18 Corr. -0.63

Sta. 25+39.39 El. 1390.85 Match Exist. at ℄ line

Sta. 26+11.39 El. 1389.46 Match Exist. at ℄ line

Sta. 27+80 Grade Break El. = 91.05 No Corr.

Sta. 30+00 Grade Break El. = 1393.29 No Corr.

Existing inverted crown

Existing

+0.60%

+1.25%

-1.20%

+1.52%

+1.02%

200' V.C.

200' V.C.

curb return left

curb return right

1396

1392

1388

1384

18 19 20 21 22 23 24 25 26 27 28 29 30

K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.