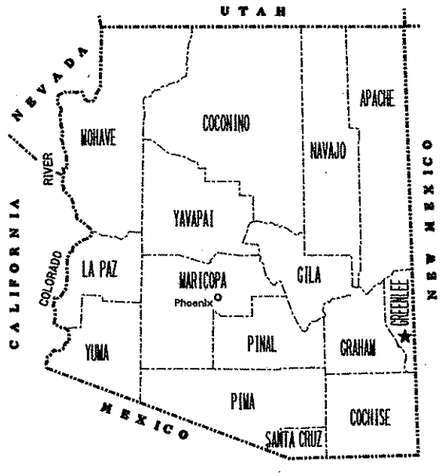
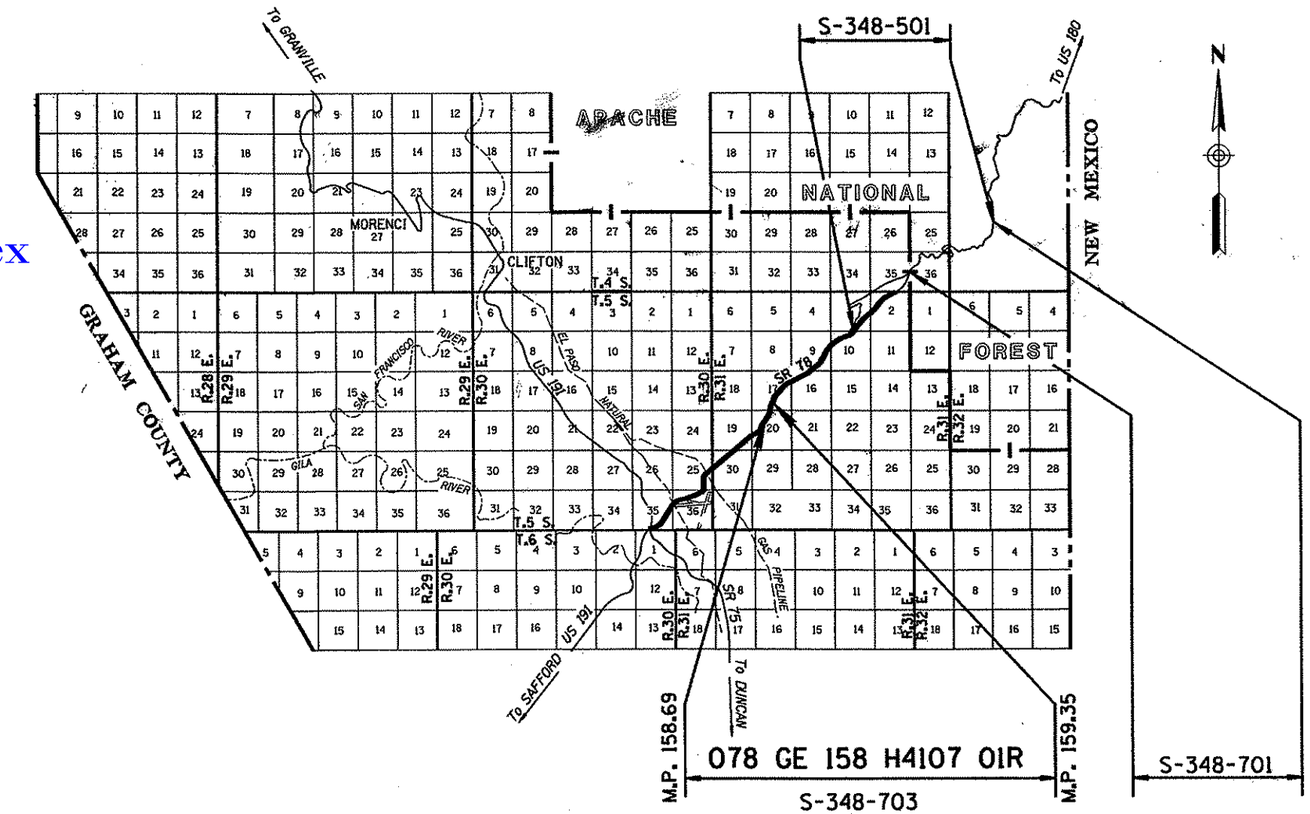
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | FINALIZED PLANS |
|---|---|---|---|---|---|
| 9 | ARIZ. | S-348-703 | 1 | 8 | |

# STATE OF ARIZONA
# DEPARTMENT OF TRANSPORTATION
# INTERMODAL TRANSPORTATION DIVISION




# RIGHT OF WAY PLAN OF THE
# MULE CREEK HIGHWAY
# COLD CREEK CURVES
# 078 GE 158 H4107 01R
# S-348-703

LENGTH OF PROJECT 0.775 Km (0.48MI) DISTRICT S

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| | |
|---|---|
| PUBLIC HEARING REQUIREMENTS CERTIFIED | |
| ENVIRONMENTAL CLEARANCE | |
| C & S REVIEW | |
| BID SET REVIEW | |

ARIZONA DEPARTMENT OF TRANSPORTATION BOARD
APPROVED FOR RIGHT OF WAY ACQUISITION IN ACCORDANCE
WITH RESOLUTION 97-11-A-060 DATED 11-19-97
THOMAS G. SCHMITT STATE ENGINEER

APPROVED IN ACCORDANCE WITH ROADWAY PLANS
DATE 2-20-98

CHIEF R/W AGENT
E. Hansen

U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED DATE

DIVISION ADMINISTRATOR

DRAWING NO. D-6-T-134
SHEET NO. 1 OF 8

VIEW NAME:
cccccDGNcSPECIFICATIONccccc
ccccccSYSTIMEcccccc

# OWNERSHIP RECORD

| PARCEL NUMBER | SHEET NO. | OWNER | DESCRIPTION | METRIC TOTAL AREA | METRIC AREA REQUIRED GROSS INCLUDING EXISTING R/W | METRIC AREA REQUIRED NET EXCLUDING EXISTING R/W | METRIC NEW EASEMENTS | METRIC EXISTING EASEMENTS | METRIC REMAINDER LEFT | METRIC REMAINDER RIGHT | ENGLISH TOTAL AREA | ENGLISH AREA REQUIRED GROSS INCLUDING EXISTING R/W | ENGLISH AREA REQUIRED NET EXCLUDING EXISTING R/W | ENGLISH NEW EASEMENTS | ENGLISH EXISTING EASEMENTS | ENGLISH REMAINDER LEFT | ENGLISH REMAINDER RIGHT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6-0130 | 4 | STATE OF ARIZONA (STATE LAND DEPARTMENT) | PT OF NE$^4$NW$^4$ SEC. 20, T.5 S. R.31 E. | | 27,997 | 20,441 | | | | | | 6.92 Ac. | 5.05 Ac. | | | | |
| | 4-5 | | PT OF SE$^4$SW$^4$ & SW$^4$SE$^4$ SEC. 17, T.5 S. R.31 E. | | 26,975 | 21,799 | | | | | | 6.67 Ac. | 5.39 Ac. | | | | |
| 6-0130-L2 | 4 | LOP EAR RANCH an ARIZONA PARTNERSHIP | PT OF NE$^4$NW$^4$ SEC. 20, T.5 S. R.31 E. | | 27,997 | 20,441 | | | | | | 6.92 Ac. | 5.05 Ac. | | | | |
| 6-0130-L1 | 4-5 | ELNO JAMES LUNT and ANNE L. LUNT FAMILY REVOCABLE TRUST | PT OF SE$^4$SW$^4$ & SW$^4$SE$^4$ SEC. 17, T.5 S. R.31 E. | | 26,975 | 21,799 | | | | | | 6.67 Ac. | 5.39 Ac. | | | | |

NOTES:

*Metric Areas Shown In Square Meters Unless Otherwise Noted*

*Conversion Factor*

*Square Meters = Square Feet X 0.09290304*

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REVISIONS

| C.O. | DATE | BY | DESCRIPTION |
|---|---|---|---|

| | |
|---|---|
| DRAWING NO. | D-6-T-134 |
| HARD COPY | 9709U M1 & M2 |
| DRAWN | KLO 9/97 |
| CHECKED | B. GURNEY |

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ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY: MULE CREEK HIGHWAY

PROJECT NO.: S-348-703

TRACS NO.: 078 GE 158 H4107 01R

ROUTE: S.R. 78

SECTION: COLD CREEK CURVES

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21790 NORMAN L. SMITH Date Signed ARIZONA, U.S.A.

Metric

SHEET 2 OF 8

PLOTTED: $TIME$ , $DATE$
FILE: $FILE$

cccccSYSTIMEccccc ccccc ccccDGNcSPECIFICATIONccccc

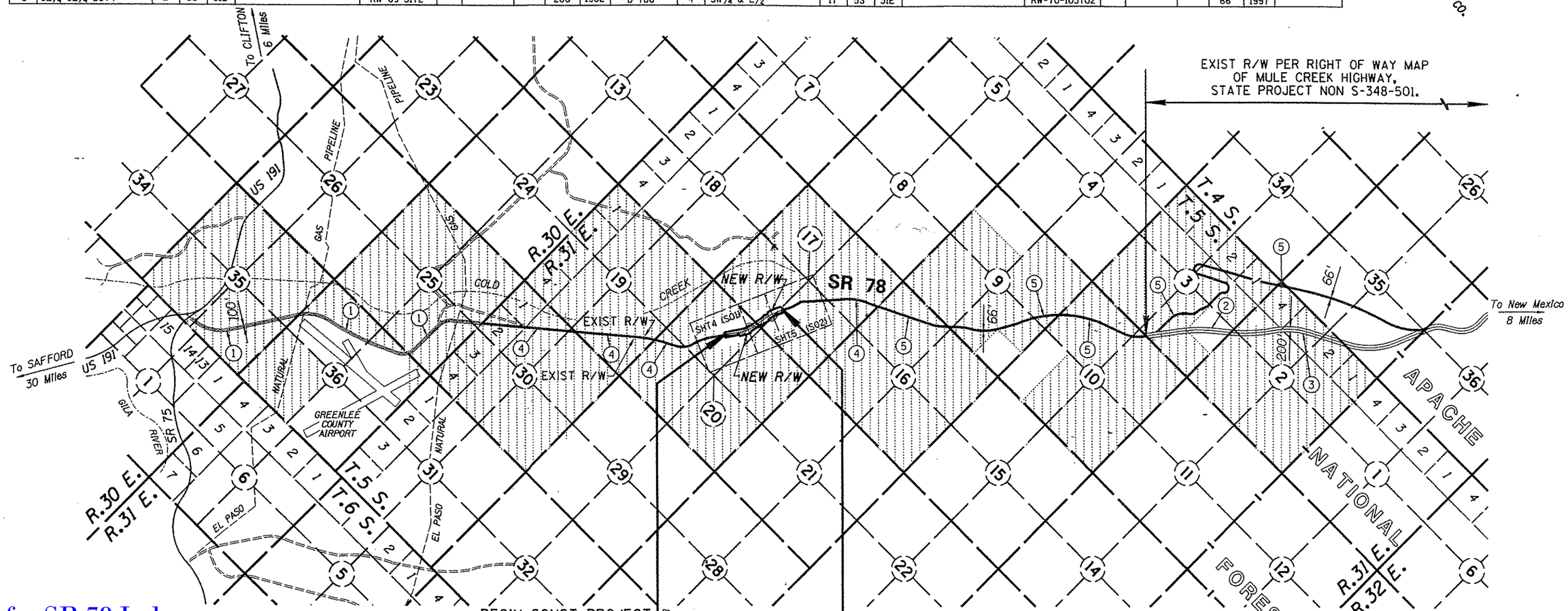
VIEW NAME:

## INDEX TO EXISTING R/W

| IND. | SUBDIVISION | SEC. | TWP. | R. | ACQ. FROM | TYPE | F/E | BK./DKT. | PAGE | WIDTH | YEAR | PARCEL NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NE¼ & SE¼ | 25 | 5S | 30E | STATE OF ARIZONA STATE LAND DEPARTMENT | RW#09-1740 | | | | 100' | 1961 | |
| 1 | SE¼ SE¼ NE¼ | 35 | 5S | 30E | | RW#09-1740 | | | | 100' | 1961 | |
| 1 | SE¼ | 35 | 5S | 30E | | RW#09-1740 | | | | 100' | 1961 | |
| 1 | SE¼ SE¼ SW¼ | 35 | 5S | 30E | | RW#09-1740 | | | | 100' | 1961 | |
| 1 | N½ | 36 | 5S | 30E | | RW#09-1740 | | | | 100' | 1961 | |
| 2 | NE¼ SE¼ | 3 | 5S | 31E | T.M. DAVIS et al | PROJ S-348-501 | ESMT | 12 | 619 | 200' | 1963 | D-784 |
| 3 | NW¼ NW¼ SW¼ | 2 | 5S | 31E | STATE OF ARIZONA STATE LAND DEPARTMENT | RW#09-3172 | | | | 200' | 1962 | D-786 |
| 3 | S½ NW¼ | 2 | 5S | 31E | | RW#09-3172 | | | | 200' | 1962 | D-786 |
| 3 | SE¼ SE¼ LOT4 | 2 | 5S | 31E | | RW#09-3172 | | | | 200' | 1962 | D-786 |

## INDEX TO EXISTING R/W

| IND. | SUBDIVISION | SEC. | TWP. | R. | ACQ. FROM | TYPE | F/E | BK./DKT. | PAGE | WIDTH | YEAR | PARCEL NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | LOT 3 & N½ LOT 2 | 2 | 5S | 31E | STATE OF ARIZONA STATE LAND DEPARTMENT | RW#09-3172 | | | | 200' | 1962 | D-786 |
| 3 | S½ SE¼ | 3 | 5S | 31E | | RW#09-3172 | | | | 200' | 1962 | D-786 |
| 4 | SE¼ | 19 | 5S | 31E | STATE OF ARIZONA STATE LAND DEPARTMENT | RW#70-103702 | | | | 66' | 1997 | |
| 4 | NW¼ | 20 | 5S | 31E | | RW#70-103702 | | | | 66' | 1997 | |
| 4 | NW¼ SW¼ | 20 | 5S | 31E | | RW#70-103702 | | | | 66' | 1997 | |
| 4 | LOTS 1 & 2 | 30 | 5S | 31E | | RW#70-103702 | | | | 66' | 1997 | |
| 4 | NE¼ NW¼ | 30 | 5S | 31E | | RW#70-103702 | | | | 66' | 1997 | |
| 4 | NW¼ NE¼ | 30 | 5S | 31E | | RW#70-103702 | | | | 66' | 1997 | |
| 4 | SW¼ & E½ | 17 | 5S | 31E | | RW#70-103702 | | | | 66' | 1997 | |

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LEGEND:
DENOTES AREA ALONG PROJECT CORRIDOR OWNED BY STATE OF ARIZONA, STATE LAND DEPT.

BEGIN CONST PROJECT
078 GE 158 H4107 01C
S-348-502

BEGIN R/W PROJECT
078 GE 158 H4107 01R
S-348-703

P.O.T. 255+455.908

P.T. 256+231.491 Bk. =
P.O.T. 256+430.202 Ahd.

END CONST PROJECT
078 GE 158 H4107 01C
S-348-502

END R/W PROJECT
078 GE 158 H4107 01R
S-348-703

# VICINITY MAP

SCALE 1:24000

METERS
0 480 960 1440 1920 2400

Conversion-Factor
FEET = METERS ÷ 0.3048

## INDEX TO EXISTING R/W

| IND. | SUBDIVISION | SEC. | TWP. | R. | ACQ. FROM | TYPE | F/E | BK./DKT. | PAGE | WIDTH | YEAR | PARCEL NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | | 16 | 5S | 31E | STATE OF ARIZONA STATE LAND DEPARTMENT | RS 2477 | ESMT | | | 66' | 1919 | |
| 5 | | 9 | 5S | 31E | | RS 2477 | ESMT | | | 66' | 1919 | |
| 5 | | 10 | 5S | 31E | | RS 2477 | ESMT | | | 66' | 1919 | |
| 5 | | 3 | 5S | 31E | | RS 2477 | ESMT | | | 66' | 1919 | |
| 5 | | 2 | 5S | 31E | | RS 2477 | ESMT | | | 66' | 1919 | |

| REVISIONS | | | |
|---|---|---|---|
| C.O. | DATE | BY | DESCRIPTION |

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| DRAWING NO. | D-6-T-134 |
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| DRAWN | WRM 9/97 |
| CHECKED | B. GURNEY |
| ROUTE | S.R. 78 |
| SECTION | COLD CREEK CURVES |

GMTS 6020 NORTH CENTRAL AVENUE, SUITE 305 PHOENIX, ARIZONA 85012

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

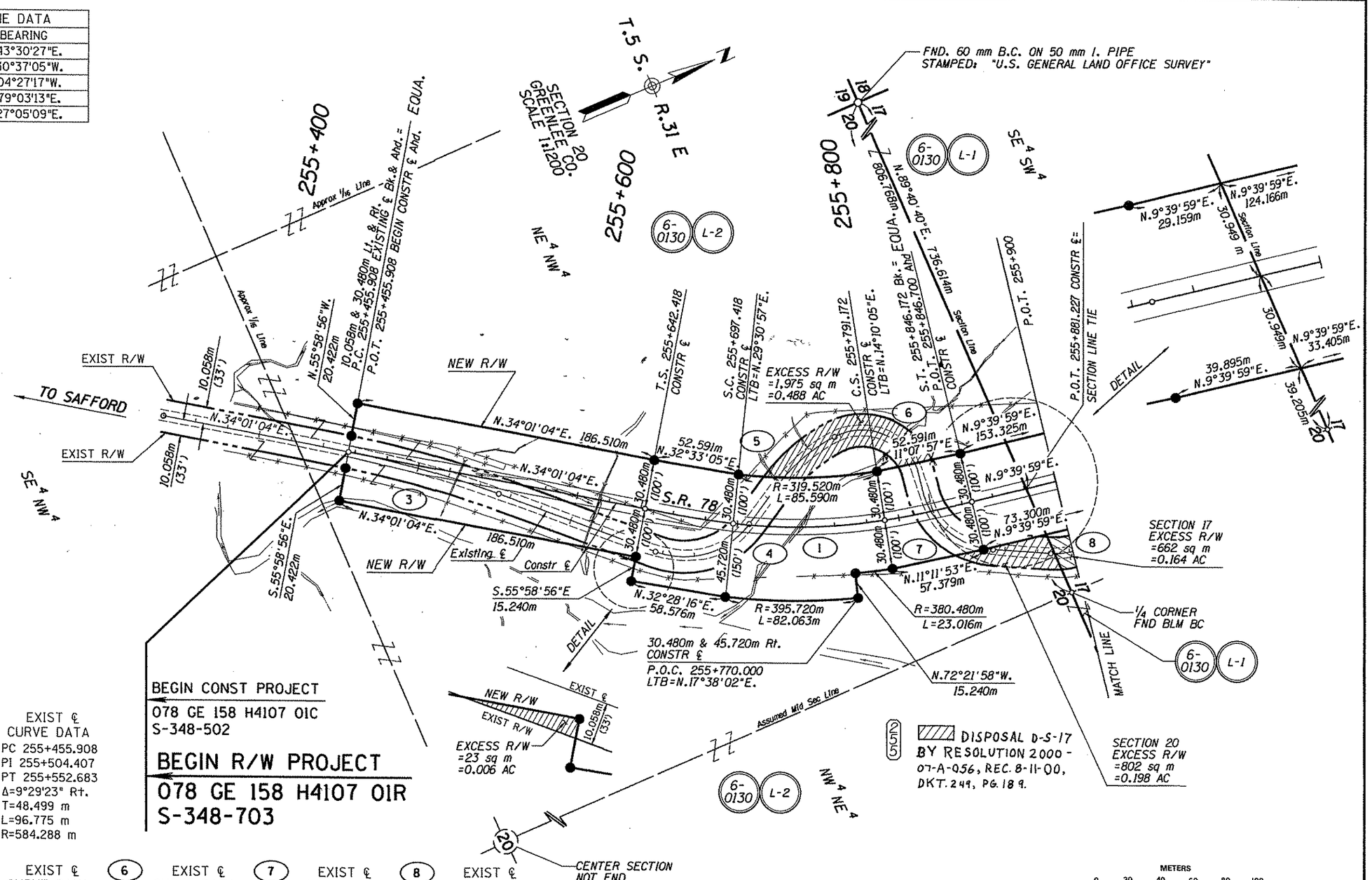
HIGHWAY: MULE CREEK HIGHWAY
PROJECT NO. S-348-703
TRACS NO. 078 GE 158 H4107 01R

REGISTERED LAND SURVEYOR CERTIFICATE NO. 15222 DAVID SHANE JOHNSON ARIZONA, U.S.A. 1-14-98

SHEET 3 OF 8

VIEW NAME: cccccSYSTIMEcccccccccccDGNcSPECIFICATIONcccccc

| EXISTING CENTERLINE DATA | |
|---|---|
| CURVE TO CURVE | BEARING |
| 3 - 4 | N.43°30'27"E. |
| 4 - 5 | N.30°37'05"W. |
| 5 - 6 | N.04°27'17"W. |
| 6 - 7 | S.79°03'13"E. |
| 7 - 8 | N.27°05'09"E. |




**1** CONSTR ℄ CURVE DATA
PI 255+745.508
TOTAL CURVE
DEF=24°21'05" Lt.
T=103.090m
L=203.754m
MAIN CURVE
Δ=15°20'52"
L=93.754m
R=350.00m
SPIRAL
Δ=4°30'07"
L=55.000m

**3** EXIST ℄ CURVE DATA
PC 255+455.908
PI 255+504.407
PT 255+552.683
Δ=9°29'23" Rt.
T=48.499 m
L=96.775 m
R=584.288 m

**4** EXIST ℄ CURVE DATA
PC 255+655.477
PI 255+693.291
PT 255+720.250
Δ=74°07'32" Lt.
T=37.814 m
L=64.773 m
R=50.067 m

**5** EXIST ℄ CURVE DATA
PC 255+748.185
PI 255+772.740
PT 255+796.439
Δ=26°09'48" Rt.
T=24.555 m
L=48.254 m
R=105.672 m

**6** EXIST ℄ CURVE DATA
PC 255+796.451
PI 255+844.226
PT 255+863.402
Δ=105°24'04" Rt.
T=47.775 m
L=66.951 m
R=36.394 m

**7** EXIST ℄ CURVE DATA
PC 255+870.784
PI 255+906.863
PT 255+932.661
Δ=73°51'38" Lt.
T=36.079 m
L=61.877 m
R=48.000 m

**8** EXIST ℄ CURVE DATA
PC 255+968.203
PI 256+000.912
PT 256+024.095
Δ=74°38'49" Lt.
T=32.709 m
L=55.892 m
R=42.900 m

METERS 0 20 40 60 80 100

Conversion Factor
FEET = METERS ÷ 0.3048

| C.O. | DATE | BY |
|---|---|---|
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ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY: MULE CREEK HIGHWAY
PROJECT NO.: S-348-703
TRACS NO.: 078 GE 158 H4107 01R
ROUTE: S.R. 78
SECTION: COLD CREEK CURVES

REGISTERED LAND SURVEYOR CERTIFICATE NO. 22700 BRIAN L. SMITH ARIZONA, U.S.A.

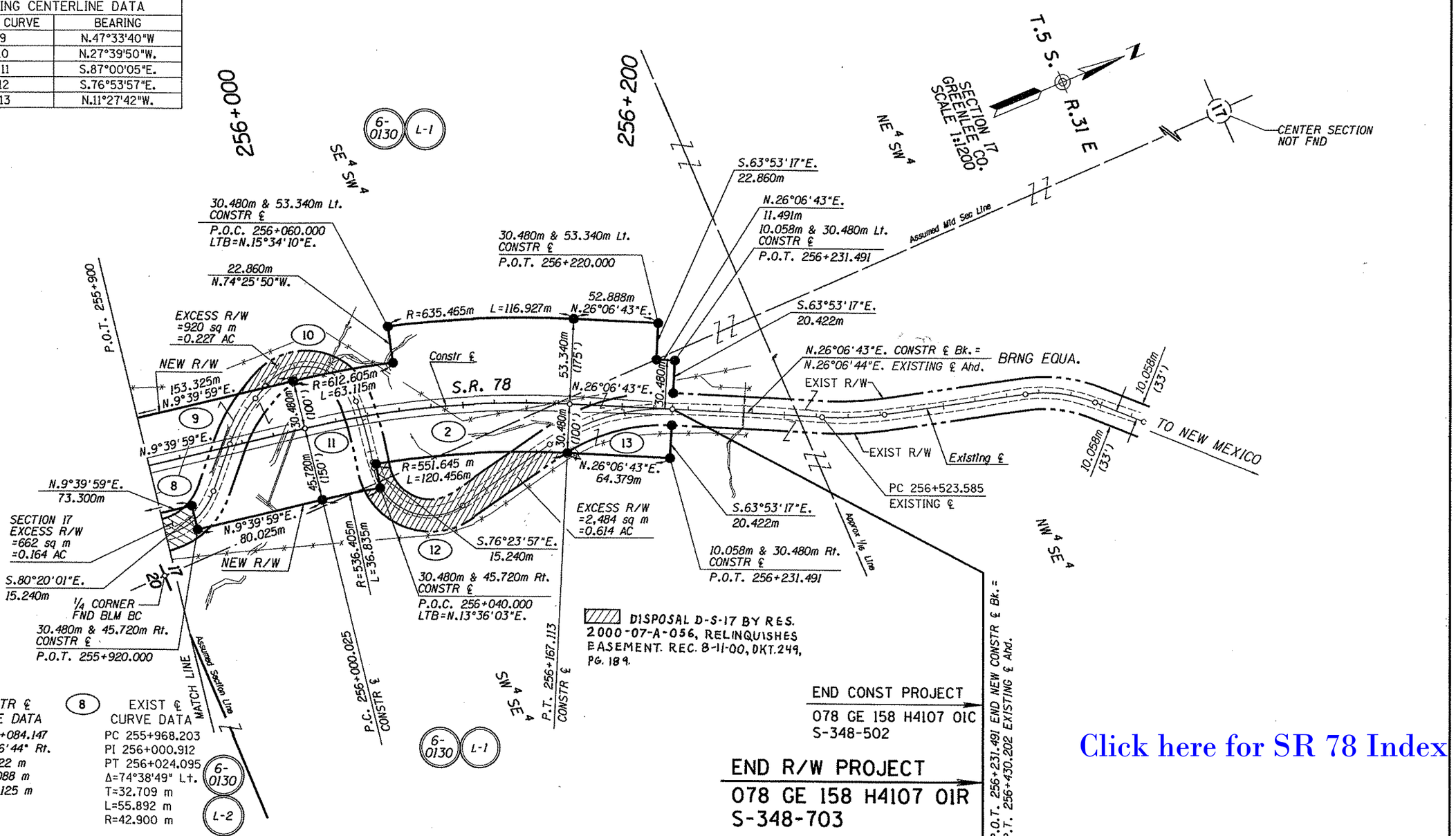
SHEET 4 OF 8

Metric

VIEW NAME: ¢¢¢¢SYSTIME¢¢¢¢¢¢¢¢¢¢¢¢DGN¢SPECIFICATION¢¢¢¢

PLOTTED: $TIME$ , $DATE$
FILE: $FILE$

| EXISTING CENTERLINE DATA | |
|---|---|
| CURVE TO CURVE | BEARING |
| 8 - 9 | N.47°33'40"W |
| 9 - 10 | N.27°39'50"W. |
| 10 - 11 | S.87°00'05"E. |
| 11 - 12 | S.76°53'57"E. |
| 12 - 13 | N.11°27'42"W. |

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**(2) CONSTR ℄ CURVE DATA**
PI 256+084.147
Δ=16°26'44" Rt.
T=84.122 m
L=167.088 m
R=582.125 m

**(8) EXIST ℄ CURVE DATA**
PC 255+968.203
PI 256+000.912
PT 256+024.095
Δ=74°38'49" Lt.
T=32.709 m
L=55.892 m
R=42.900 m

**(9) EXIST ℄ CURVE DATA**
PC 256+055.283
PI 256+071.946
PT 256+088.273
Δ=19°53'50" Rt.
T=16.663 m
L=32.990 m
R=95.000 m

**(10) EXIST ℄ CURVE DATA**
PC 256+098.040
PI 256+155.905
PT 256+167.461
Δ=120°39'45" Rt.
T=57.865 m
L=69.421 m
R=32.964 m

**(11) EXIST ℄ CURVE DATA**
PC 256+167.466
PI 256+187.266
PT 256+206.963
Δ=10°06'08" Rt.
T=19.800 m
L=39.497 m
R=224.013 m

**(12) EXIST ℄ CURVE DATA**
PC 256+210.553
PI 256+266.165
PT 256+281.991
Δ=114°33'45" Lt.
T=55.612 m
L=71.438 m
R=35.728 m

**(13) EXIST ℄ CURVE DATA**
PC 256+348.871
PI 256+391.059
PT 256+430.202
Δ=37°34'28" Rt.
T=42.188 m
L=81.331 m
R=124.020 m

METERS
0 20 40 60 80 100

Conversion Factor
FEET = METERS ÷ 0.3048

| C.O. | DATE | BY | |
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| SECTION | COLD CREEK CURVES |

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ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
RIGHT OF WAY PLANS SECTION

HIGHWAY: MULE CREEK HIGHWAY
PROJECT NO. S-348-703
TRACS NO. 078 GE 158 H4107 01R

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 21790
ADRIAN L. SMITH
Date Signed 1/30/98
ARIZONA, U.S.A.

SHEET 5 OF 8

Metric

VIEW NAME: ccccccSYSTIMEccccccccccccDGNcSPECIFICATIONcccccc

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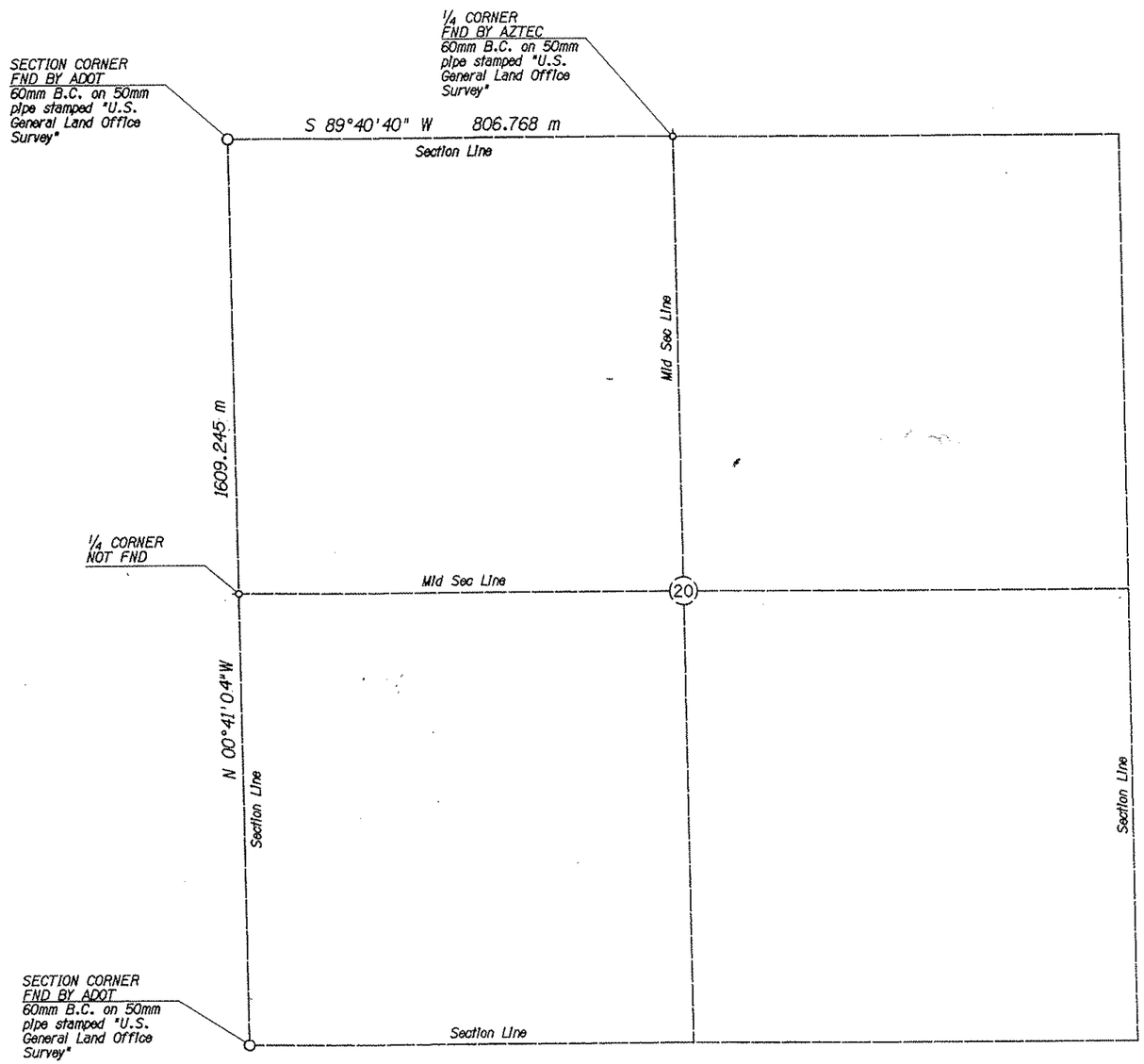


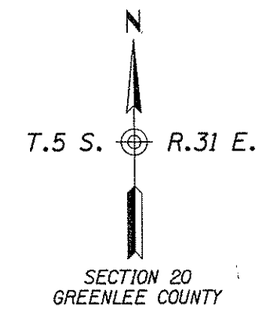


CERTIFICATE OF SURVEY

I, Norman L. Smith, of Phoenix, Arizona do hereby certify that this map was prepared from field notes taken during an actual survey made under my direction; that this map correctly shows the results of said survey and that the monuments found or set are as shown.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21790
NORMAN L.
SMITH
Date Signed 1/15/98
ARIZONA, U.S.A.

Norman L. Smith
AZ Reg. No. RLS21790

Basis of bearings: NGS NAD 83, Arizona Eastern Zone

RESULTS OF SURVEY

RESULTS OF SURVEY
SCALE: 1:5000

| | | | |
|---|---|---|---|
| DRAWING NO. | D-6-T-134 | ARIZONA DEPARTMENT OF TRANSPORTATION<br>INTERMODAL TRANSPORTATION DIVISION<br>RIGHT OF WAY PLANS SECTION | |
| HARD COPY | 9709U M1 & M2 | HIGHWAY: MULE CREEK HIGHWAY | |
| DRAWN | KLO 9/97 | PROJECT NO. S-348-703 | |
| CHECKED | NS 9/97 | TRACS NO. 078 GE 158 H4107 01R | |
| AZTEC ENGINEERING<br>4515 N. 16th St., Suite 202, Phoenix AZ 85016-5363<br>Tel (602)263-9640 Fax (602)263-9649 | | | |
| ROUTE S.R. 78 | SECTION COLD CREEK CURVES | | SHEET 8 OF 8 |

VIEW NAME: ooooSYSTIMEoooooooooooDGNoSPECIFICATIONoooooo

PLOTTED: 11:15:10 .15 JAN 98
FILE: f:\9628\02\cadd\dgn\78_rs.dgn