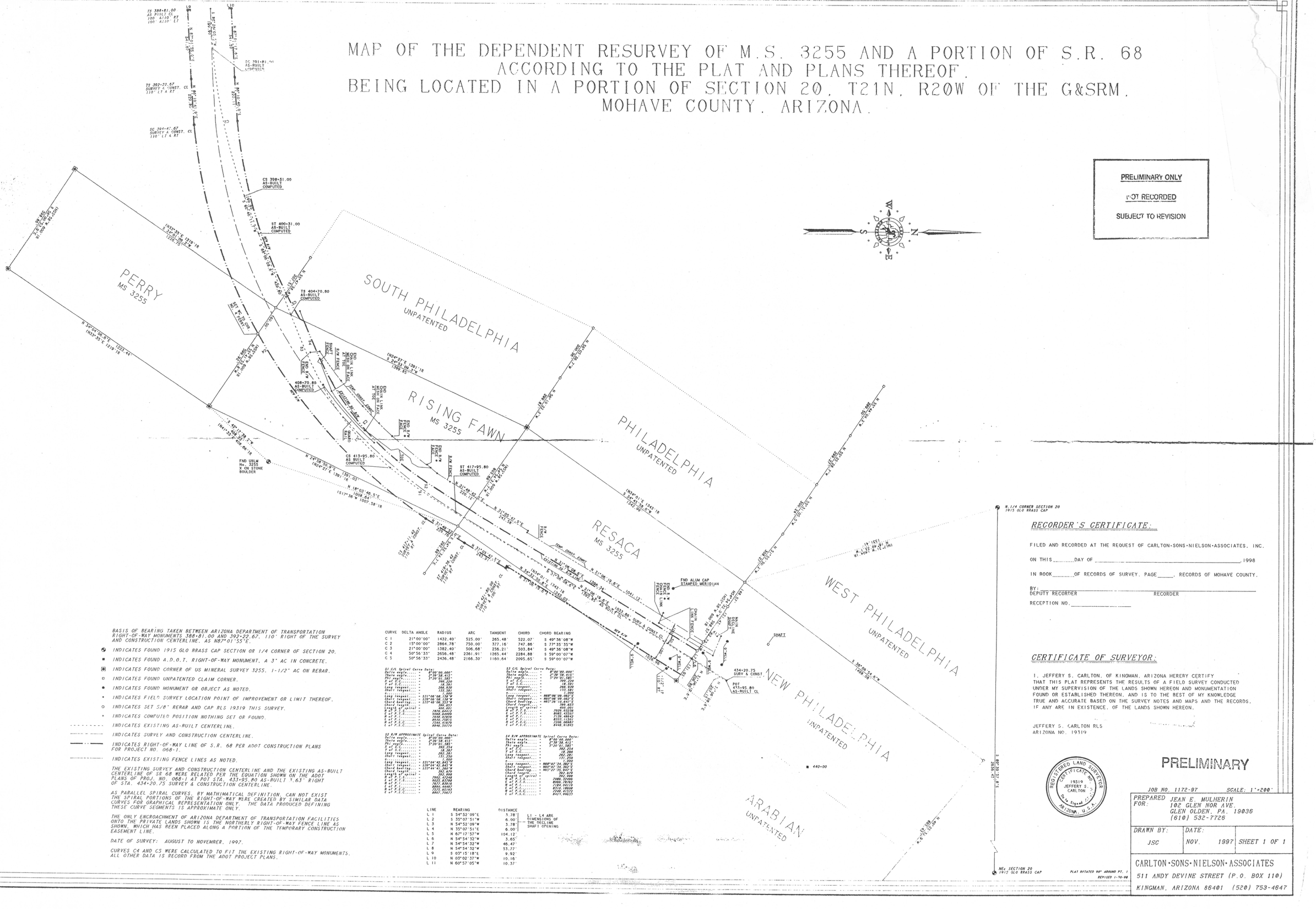
PRELIMINARY

MAP OF THE DEPENDENT RESURVEY OF M.S. 3255 AND A PORTION OF S.R. 68 ACCORDING TO THE PLAT AND PLANS THEREOF. BEING LOCATED IN A PORTION OF SECTION 20, T21N, R20W OF THE G&SRM, MOHAVE COUNTY, ARIZONA.

PRELIMINARY ONLY
NOT RECORDED
SUBJECT TO REVISION



BASIS OF BEARING TAKEN BETWEEN ARIZONA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY MONUMENTS 388+81.00 AND 392+22.67, 110' RIGHT OF THE SURVEY AND CONSTRUCTION CENTERLINE, AS N82°01'55"E.

- ⊕ INDICATES FOUND 1915 GLO BRASS CAP SECTION OR 1/4 CORNER OF SECTION 20.
- ■ INDICATES FOUND A.D.O.T. RIGHT-OF-WAY MONUMENT, A 3" AC IN CONCRETE.
- ▣ INDICATES FOUND CORNER OF US MINERAL SURVEY 3255, 1-1/2" AC ON REBAR.
- ▫ INDICATES FOUND UNPATENTED CLAIM CORNER.
- ● INDICATES FOUND MONUMENT OR OBJECT AS NOTED.
- • INDICATES FIELD SURVEY LOCATION POINT OF IMPROVEMENT OR LIMIT THEREOF.
- ○ INDICATES SET 5/8" REBAR AND CAP RLS 19319 THIS SURVEY.
- + INDICATES COMPUTED POSITION NOTHING SET OR FOUND.
- ---------- INDICATES EXISTING AS-BUILT CENTERLINE.
- ——·——·—— INDICATES SURVEY AND CONSTRUCTION CENTERLINE.
- ——— INDICATES RIGHT-OF-WAY LINE OF S.R. 68 PER ADOT CONSTRUCTION PLANS FOR PROJECT NO. 068-1.
- ---------- INDICATES EXISTING FENCE LINES AS NOTED.

THE EXISTING SURVEY AND CONSTRUCTION CENTERLINE AND THE EXISTING AS-BUILT CENTERLINE OF SR 68 WERE RELATED PER THE EQUATION SHOWN ON THE ADOT PLANS OF PROJ. NO. 068-1 AT POT STA. 433+95.80 AS-BUILT 1.63' RIGHT OF STA. 434+20.75 SURVEY & CONSTRUCTION CENTERLINE.

AS PARALLEL SPIRAL CURVES, BY MATHIMATICAL DEFINITION, CAN NOT EXIST THE SPIRAL PORTIONS OF THE RIGHT-OF-WAY WERE CREATED BY SIMILAR DATA CURVES FOR GRAPHICAL REPRESENTATION ONLY. THE DATA PRODUCED DEFINING THESE CURVE SEGMENTS IS APPROXIMATE ONLY.

THE ONLY ENCROACHMENT OF ARIZONA DEPARTMENT OF TRANSPORTATION FACILITIES ONTO THE PRIVATE LANDS SHOWN IS THE NORTHERLY RIGHT-OF-WAY FENCE LINE AS SHOWN, WHICH HAS BEEN PLACED ALONG A PORTION OF THE TEMPORARY CONSTRUCTION EASEMENT LINE.

DATE OF SURVEY: AUGUST TO NOVEMBER, 1997.

CURVES C4 AND C5 WERE CALCULATED TO FIT THE EXISTING RIGHT-OF-WAY MONUMENTS. ALL OTHER DATA IS RECORD FROM THE ADOT PROJECT PLANS.

CURVE	DELTA ANGLE	RADIUS	ARC	TANGENT	CHORD	CHORD BEARING
C 1	21°00'00"	1432.40'	525.00'	265.48'	522.07'	S 49°36'08"W
C 2	15°00'00"	2864.78'	750.00'	377.16'	747.86'	S 77°35'35"W
C 3	21°00'00"	1382.40'	506.68'	256.21'	503.84'	S 49°36'08"W
C 4	50°56'33"	2656.48'	2361.91'	1265.44'	2284.88	S 59°00'07"W
C 5	50°56'33"	2436.48'	2166.30'	1160.64'	2095.65'	S 59°00'07"W

S1 C/L Spiral Curve Data:
Delta angle..... = 8°00'00.000"
Theta angle..... = 5°39'58.915"
Phi angle..... = 2°20'01.085"
S or F.S.C..... = 399.200
L of S.C..... = 199.200
Long tangent... = 266.939
Short tangent.. = 133.581
..... = 1.000
Tangent bearing = S31°06'08.5"E
Tangent bearing = S28°06'08.5"E
Chord bearing.. = S33°46'06.253"E
Chord length... = 386.653
Length of spiral = 199.200
E or F.S.C..... = 7876.62413
E or F.S.C..... = 9068.63999
E or F.S.C..... = 7848.02859
E or F.S.C..... = 8930.72813
E or F.S.C..... = 7820.56259
E or F.S.C..... = 8894.32270

S3 C/L Spiral Curve Data:
Delta angle..... = 8°00'00.000"
Theta angle..... = 5°39'58.915"
Phi angle..... = 2°20'01.085"
S or F.S.C..... = 399.200
L of S.C..... = 199.200
Long tangent... = 266.939
Short tangent.. = 133.581
..... = 1.000
Tangent bearing = N68°06'08.5"W
Tangent bearing = N65°06'08.5"W
Chord bearing.. = N63°39'10.664"W
Chord length... = 386.653
Length of spiral = 199.200
E or F.S.C..... = 7839.93258
E or F.S.C..... = 8983.43597
E or F.S.C..... = 7811.49543
E or F.S.C..... = 8845.14935
E or F.S.C..... = 7200.06582
E or F.S.C..... = 8448.91093

S2 R/W APPROXIMATE Spiral Curve Data:
Delta angle..... = 8°00'00.000"
Theta angle..... = 5°39'58.915"
Phi angle..... = 2°20'01.085"
S or F.S.C..... = 390.254
L of S.C..... = 18.286
Long tangent... = 267.581
Short tangent.. = 133.750
..... = 1.000
Tangent bearing = S31°06'08.5"E
Tangent bearing = S28°06'08.5"E
Chord bearing.. = S33°46'06.253"E
Length of spiral = 199.096
E or F.S.C..... = 7904.62413
E or F.S.C..... = 9035.63748
E or F.S.C..... = 7877.83916
E or F.S.C..... = 8990.44987
E or F.S.C..... = 7575.85193
E or F.S.C..... = 8907.79677

S4 R/W APPROXIMATE Spiral Curve Data:
Delta angle..... = 8°00'00.000"
Theta angle..... = 5°39'58.915"
Phi angle..... = 2°20'01.085"
S or F.S.C..... = 390.254
L of S.C..... = 18.286
Long tangent... = 267.581
Short tangent.. = 133.750
..... = 1.000
Tangent bearing = N68°06'08.5"W
Tangent bearing = N65°06'08.5"W
Chord bearing.. = N63°39'10.664"W
Length of spiral = 199.096
W or F.S.C..... = 7867.62413
E or F.S.C..... = 8998.78763
E or F.S.C..... = 7839.83916
E or F.S.C..... = 8953.18648
E or F.S.C..... = 7249.41525
E or F.S.C..... = 8921.99651

LINE	BEARING	DISTANCE
L 1	S 54°52'09"E	3.78'
L 2	S 35°07'51"W	6.00'
L 3	N 54°52'09"W	3.78'
L 4	N 35°07'51"E	6.00'
L 5	N 67°17'57"W	104.12'
L 6	N 54°54'32"W	3.65'
L 7	N 54°54'32"W	46.47'
L 8	N 54°54'32"W	53.77'
L 9	S 03°15'18"E	9.92'
L 10	N 03°02'37"W	10.16'
L 11	N 60°57'05"W	10.37'

L1 - L4 ARE DIMENSIONS OF THE DECLINE SHAFT OPENING

RECORDER'S CERTIFICATE:

FILED AND RECORDED AT THE REQUEST OF CARLTON·SONS·NIELSON·ASSOCIATES, INC.

ON THIS _____ DAY OF _____ 1998

IN BOOK _____ OF RECORDS OF SURVEY, PAGE _____, RECORDS OF MOHAVE COUNTY.

BY: _____
DEPUTY RECORDER RECORDER

RECEPTION NO. _____

CERTIFICATE OF SURVEYOR:

I, JEFFERY S. CARLTON, OF KINGMAN, ARIZONA HEREBY CERTIFY THAT THIS PLAT REPRESENTS THE RESULTS OF A FIELD SURVEY CONDUCTED UNDER MY SUPERVISION OF THE LANDS SHOWN HEREON AND MONUMENTATION FOUND OR ESTABLISHED THEREON, AND IS TO THE BEST OF MY KNOWLEDGE TRUE AND ACCURATE BASED ON THE SURVEY NOTES AND MAPS AND THE RECORDS, IF ANY ARE IN EXISTENCE, OF THE LANDS SHOWN HEREON.

JEFFERY S. CARLTON RLS
ARIZONA NO. 19319

REGISTERED LAND SURVEYOR CERTIFICATE NO. 19319 JEFFERY S. CARLTON Date Signed ARIZONA, U.S.A.

PRELIMINARY

JOB NO. 1172-97 SCALE: 1"=200'

PREPARED FOR: JEAN E. MULHERIN
102 GLEN NOR AVE.
GLEN OLDEN, PA. 19036
(610) 532-7726

DRAWN BY:	DATE:	SHEET 1 OF 1
JSC	NOV. 1997	

CARLTON·SONS·NIELSON·ASSOCIATES
511 ANDY DEVINE STREET (P.O. BOX 110)
KINGMAN, ARIZONA 86401 (520) 753-4647

PLAT ROTATED 90° AROUND PT. 1
REVISED 1-10-98