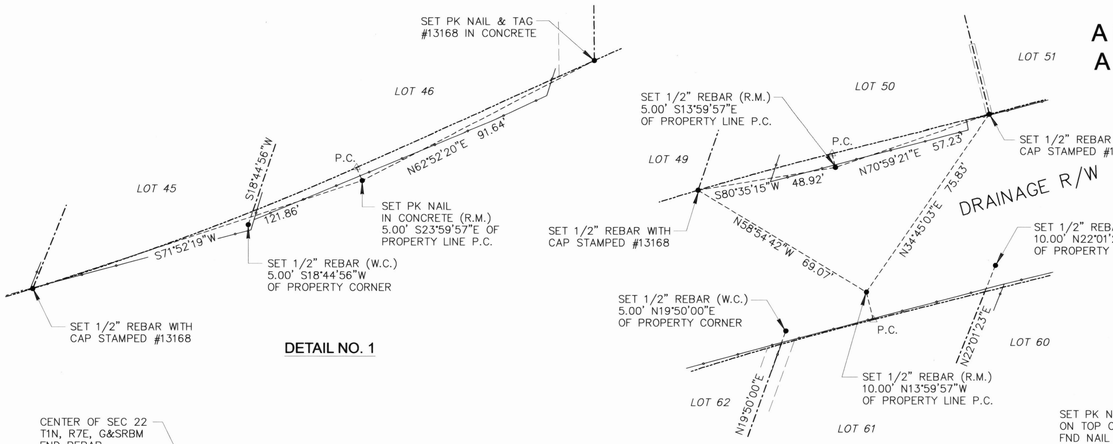
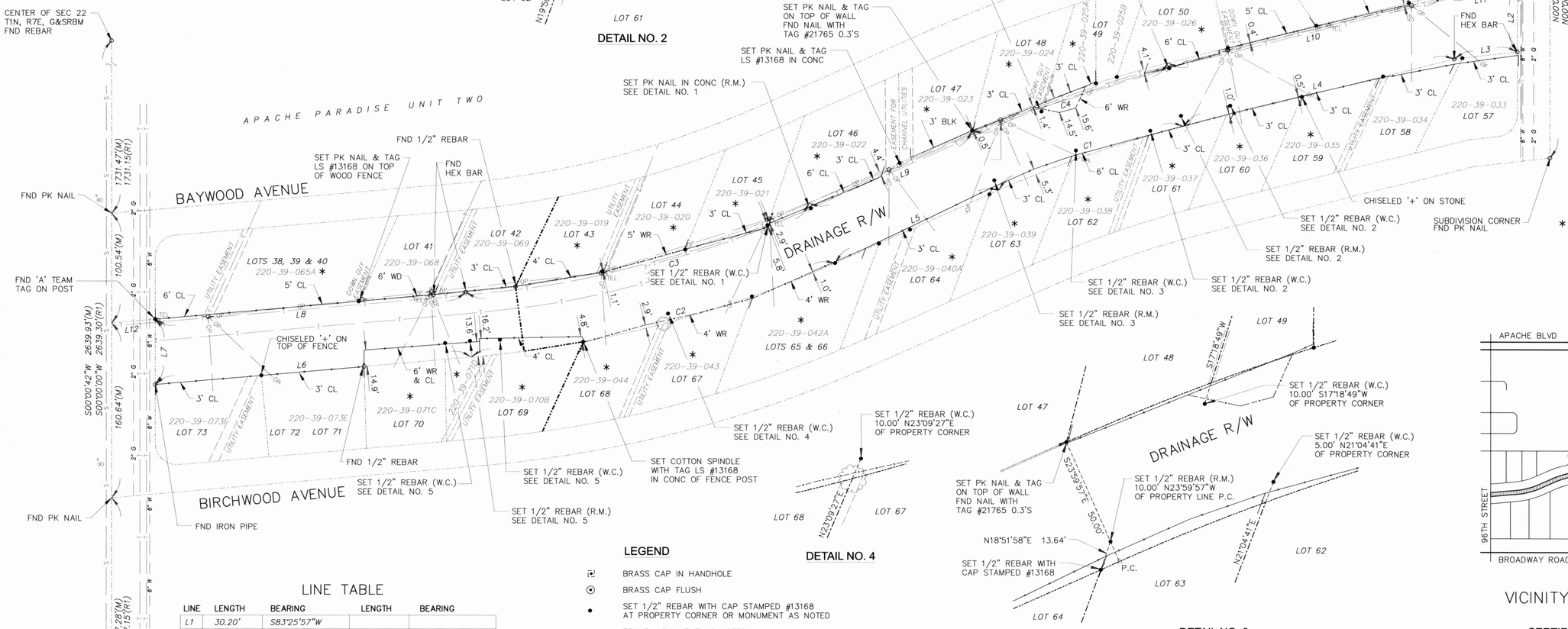
A PORTION OF "APACHE PARADISE UNIT ONE" BOOK 97 OF MAPS, PAGE 15, M.C.R. & A PORTION OF "APACHE PARADISE UNIT TWO" BOOK 107 OF MAPS, PAGE 34, M.C.R. LOCATED IN THE SW 1/4 OF THE SE 1/4, SEC 22 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA



DETAIL NO. 1

DETAIL NO. 2



BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTES

ALL DISTANCES ARE GROUND DISTANCES.

WITNESS CORNERS AND REFERENCE MARKERS WERE SET DUE TO NO ACCESS OF POINT LOCATION.

UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED.

LINE TABLE

LINE	LENGTH	BEARING	LENGTH	BEARING
L1	30.20'	S83°25'57"W		
L2	60.39' (M)	S00°00'47"E (M)	60.40' (R)	S00°00'50"E (R)
L3	58.47' (M)	S83°25'57"W (M)	58.48' (R)	S83°25'54"W (R)
L4	257.11' (M)	S76°00'03"W (M)	257.05' (R)	S76°00'00"W (R)
L5	164.67' (M)	S66°00'03"W (M)	164.65' (R)	S66°00'00"W (R)
L6	292.07' (M)	S85°00'03"W (M)	292.13' (R1)	S85°00'00"W (R1)
L7	60.23' (M)	N00°00'42"E (M)	60.22' (R1)	N00°00'00"E (R1)
L8	286.81' (M)	N85°00'03"E (M)	286.89' (R1)	N85°00'00"E (R1)
L9	164.67' (M)	N66°00'03"E (M)	164.65' (R)	N66°00'00"E (R)
L10	261.00' (M)	N76°00'03"E (M)	260.94' (R)	N76°00'00"E (R)
L11	69.27' (M)	N83°25'57"E (M)	69.28' (R)	N83°25'54"E (R)
L12	40.15	N85°00'03"E		

CURVE TABLE

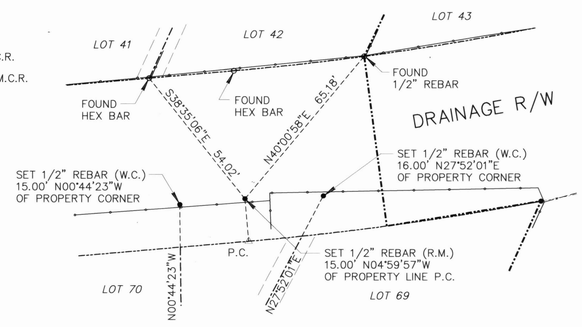
CURVE	RADIUS	DELTA	LENGTH	RADIUS	DELTA	LENGTH
C1	1033.23' (M)	10°00'00" (M)	180.33' (M)	1033.06' (R)	10°00'00" (R)	180.30' (R)
C2	1048.08' (M)	19°00'00" (M)	347.56' (M)	1047.92' (R)(R1)	19°00'00" (R)	352.50' (R)(R1)
C3	988.08' (M)	19°00'00" (M)	327.66' (M)	987.92' (R)(R1)	19°00'00" (R)	327.61' (R)(R1)
C4	1093.23' (M)	10°00'00" (M)	190.80' (M)	1093.06' (R)	10°00'00" (R)	190.77' (R)

LEGEND

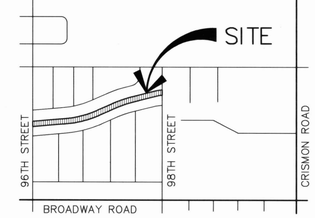
⊡	BRASS CAP IN HANDHOLE
⊙	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
o	FOUND MONUMENT AS NOTED
R.M.	REFERENCE MARKER
W.C.	WITNESS CORNER
(M)	MEASURED DATA
(R)	RECORD DATA, APACHE PARADISE UNIT ONE, BK 97, PG 15 M.C.R.
(R1)	RECORD DATA, APACHE PARADISE UNIT TWO, BK 107, PG 34 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
TEL	TELEPHONE PEDESTAL
	UTILITY POLE
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
2" G	EXISTING GAS LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER

DETAIL NO. 4

DETAIL NO. 3



DETAIL NO. 5



VICINITY MAP

CERTIFICATION

I, RICHARD ALCOCER, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, THAT THIS MAP, CONSISTING OF 1 SHEET, CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION DURING THE MONTH OF MAY 2005; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT ALL MONUMENTS SHOWN ACTUALLY EXIST AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

REGISTERED LAND SURVEYOR #13168

CENTRAL FILES
S ¼ COR SEC 22
T1N, R7E, G&SRBM
DRAWER # 320

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

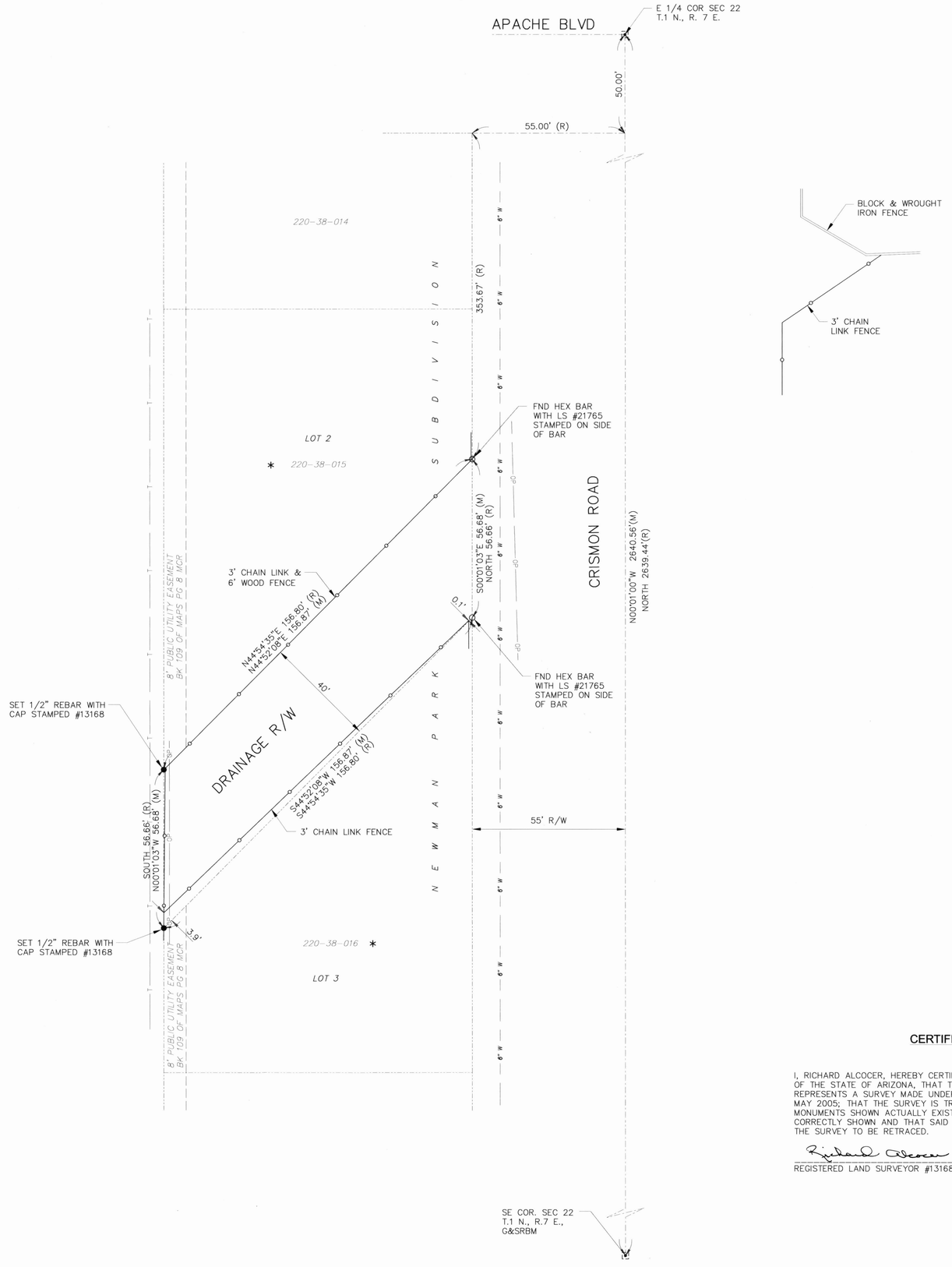
Registered Land Surveyor 13168 RICHARD ALCOCER Date Signed 5-11-05 ARIZONA, U.S.A.

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 1

DRN: JG	DATE: 4/05	PEC JOB #3033.04	
DES: CG	DATE: 4/05		
CKD: RA	DATE: 4/05	SCALE: 1"=50'	NO. 1 OF 1

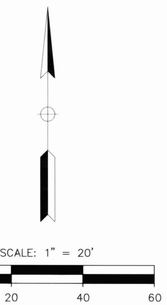
East Mesa Drains, Reaches 1-5, 7, 8, 10, and 11 - Results of Survey
Project Eng. Consult., LTD for FCD
FCD 2003C024-4 Drawer 320

A PORTION OF "NEWMAN PARK" BOOK 109 OF MAPS, PAGE 8, M.C.R.
LOCATED IN THE NE 1/4 OF THE SE 1/4,
SEC 22 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA



LEGEND

⊡	BRASS CAP IN HANDHOLE
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
o	FOUND MONUMENT AS NOTED
W.C.	WITNESS CORNER
(M)	MEASURED DATA
(R)	RECORD DATA, NEWMAN PARK, BK 109, PG 8 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
6" W	EXISTING WATER LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER



* LOT WITH ENCROACHMENT INTO DRAINAGE R/W. ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED

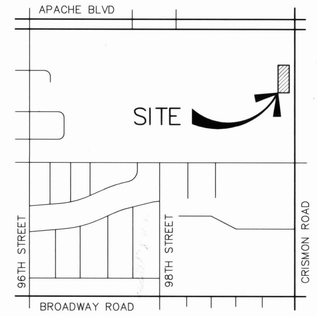
UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

NOTE

ALL DISTANCES ARE GROUND DISTANCES.

BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.



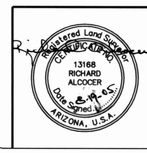
VICINITY MAP

CERTIFICATION

I, RICHARD ALCOCER, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, THAT THIS MAP, CONSISTING OF 1 SHEET, CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION DURING THE MONTH OF MAY 2005; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT ALL MONUMENTS SHOWN ACTUALLY EXIST AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

Richard Alcocer

REGISTERED LAND SURVEYOR #13168

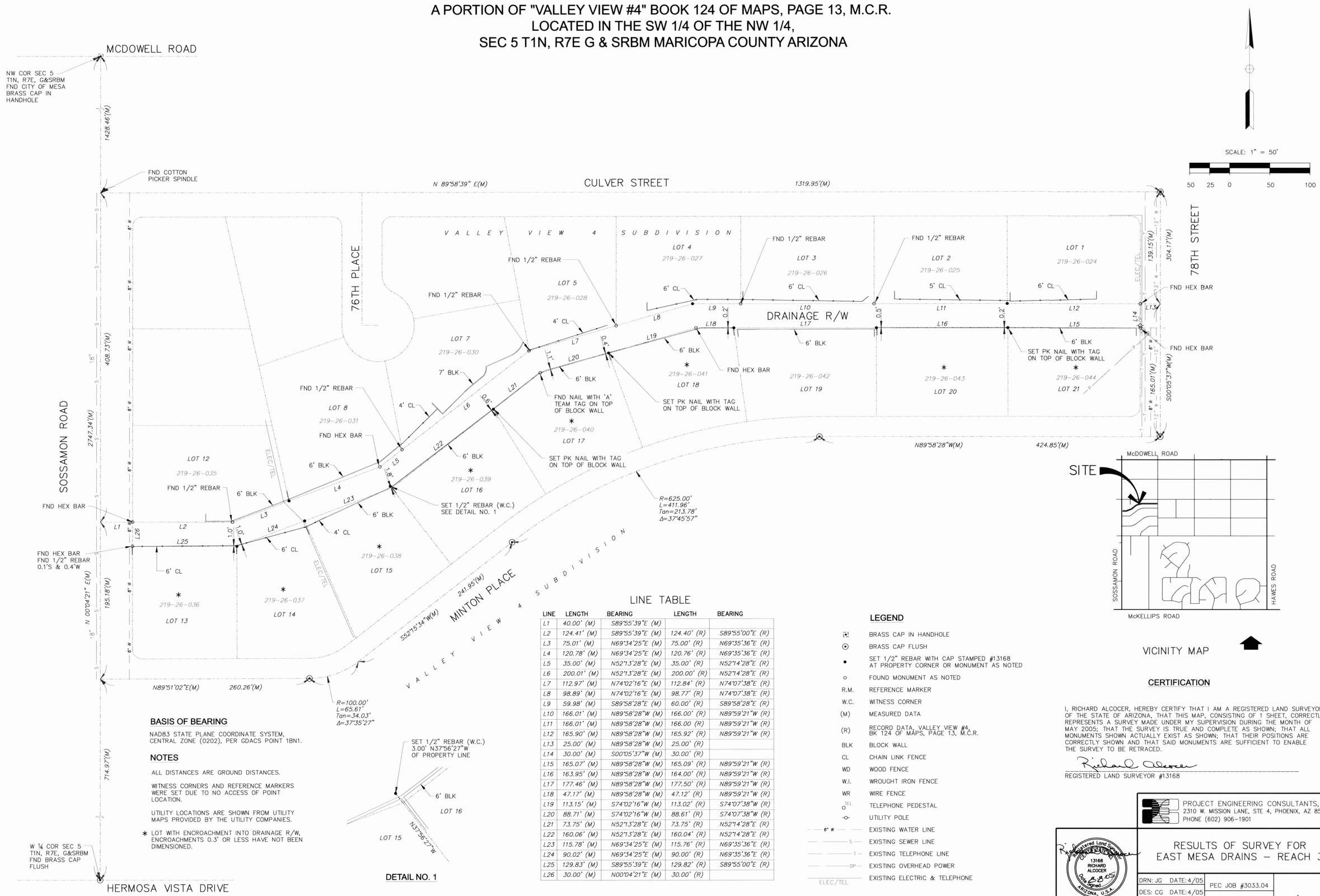


PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 2

DRN: JG	DATE: 4/05	PEC JOB #3033.04	
DES: CG	DATE: 4/05		
CKD: RA	DATE: 4/05	SCALE: 1"=20'	NO. 1 OF 1

A PORTION OF "VALLEY VIEW #4" BOOK 124 OF MAPS, PAGE 13, M.C.R.
LOCATED IN THE SW 1/4 OF THE NW 1/4,
SEC 5 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA



BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTES

ALL DISTANCES ARE GROUND DISTANCES.

WITNESS CORNERS AND REFERENCE MARKERS WERE SET DUE TO NO ACCESS OF POINT LOCATION.

UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED.

DETAIL NO. 1

LINE TABLE

LINE	LENGTH	BEARING	LENGTH	BEARING
L1	40.00' (M)	S89°55'39"E (M)		
L2	124.41' (M)	S89°55'39"E (M)	124.40' (R)	S89°55'00"E (R)
L3	75.01' (M)	N69°34'25"E (M)	75.00' (R)	N69°35'36"E (R)
L4	120.78' (M)	N69°34'25"E (M)	120.76' (R)	N69°35'36"E (R)
L5	35.00' (M)	N52°13'28"E (M)	35.00' (R)	N52°14'28"E (R)
L6	200.01' (M)	N52°13'28"E (M)	200.00' (R)	N52°14'28"E (R)
L7	112.97' (M)	N74°02'16"E (M)	112.84' (R)	N74°07'38"E (R)
L8	98.89' (M)	N74°02'16"E (M)	98.77' (R)	N74°07'38"E (R)
L9	59.98' (M)	S89°58'28"E (M)	60.00' (R)	S89°58'28"E (R)
L10	166.01' (M)	N89°58'28"W (M)	166.00' (R)	N89°59'21"W (R)
L11	166.01' (M)	N89°58'28"W (M)	166.00 (R)	N89°59'21"W (R)
L12	165.90' (M)	N89°58'28"W (M)	165.92' (R)	N89°59'21"W (R)
L13	25.00' (M)	N89°58'28"W (M)	25.00' (R)	
L14	30.00' (M)	S00°05'37"W (M)	30.00' (R)	
L15	165.07' (M)	N89°58'28"W (M)	165.09' (R)	N89°59'21"W (R)
L16	163.95' (M)	N89°58'28"W (M)	164.00' (R)	N89°59'21"W (R)
L17	177.46' (M)	N89°58'28"W (M)	177.50' (R)	N89°59'21"W (R)
L18	47.17' (M)	N89°58'28"W (M)	47.12' (R)	N89°59'21"W (R)
L19	113.15' (M)	S74°02'16"W (M)	113.02' (R)	S74°07'38"W (R)
L20	88.71' (M)	S74°02'16"W (M)	88.61' (R)	S74°07'38"W (R)
L21	73.75' (M)	N52°13'28"E (M)	73.75' (R)	N52°14'28"E (R)
L22	160.06' (M)	N52°13'28"E (M)	160.04' (R)	N52°14'28"E (R)
L23	115.78' (M)	N69°34'25"E (M)	115.76' (R)	N69°35'36"E (R)
L24	90.02' (M)	N69°34'25"E (M)	90.00' (R)	N69°35'36"E (R)
L25	129.83' (M)	S89°55'39"E (M)	129.82' (R)	S89°55'00"E (R)
L26	30.00' (M)	N00°04'21"E (M)	30.00' (R)	

LEGEND

⊡	BRASS CAP IN HANDHOLE
⊙	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
○	FOUND MONUMENT AS NOTED
R.M.	REFERENCE MARKER
W.C.	WITNESS CORNER
(M)	MEASURED DATA
(R)	RECORD DATA, VALLEY VIEW #4, BK 124 OF MAPS, PAGE 13, M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
TEL	TELEPHONE PEDESTAL
	UTILITY POLE
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER
ELEC/TEL	EXISTING ELECTRIC & TELEPHONE

VICINITY MAP

CERTIFICATION

I, RICHARD ALCOCER, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, THAT THIS MAP, CONSISTING OF 1 SHEET, CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION DURING THE MONTH OF MAY 2005; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT ALL MONUMENTS SHOWN ACTUALLY EXIST AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

Richard Alcocer

REGISTERED LAND SURVEYOR #13168

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

Registered Land Surveyor
13168
RICHARD ALCOCER
Date Signed 8-30-05
ARIZONA, U.S.A.

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 3

DRN: JG	DATE: 4/05	PEC JOB #3033.04	
DES: CG	DATE: 4/05		
CKD: RA	DATE: 4/05	SCALE: 1"=50'	NO. 1 OF 1

A PORTION OF "CHEROKEE MOBILE ESTATES" BOOK 128 OF MAPS, PAGE 5, M.C.R. & A PORTION OF "CHEROKEE MOBILE ESTATES UNIT TWO" BOOK 133 OF MAPS, PAGE 50, M.C.R. LOCATED IN THE SE 1/4 OF THE SE 1/4, SEC 21 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA

LEGEND

▣	BRASS CAP IN HANDHOLE
◉	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
o	FOUND MONUMENT AS NOTED
R.M.	REFERENCE MARKER
W.C.	WITNESS CORNER
(C)	CALCULATED DATA
(M)	MEASURED DATA
(R)	RECORD DATA, CHEROKEE MOBILE ESTATES, BK 128, PG 5 M.C.R.
(R1)	RECORD DATA, CHEROKEE MOBILE ESTATES UNIT TWO, BK 133, PG 50 M.C.R.
(R2)	RECORD DATA, BROADWAY MANOR, BK 449, PG 34 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
TEL	TELEPHONE PEDESTAL
-O-	UTILITY POLE
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
2" G	EXISTING GAS LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER
P	EXISTING UNDERGROUND POWER

BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

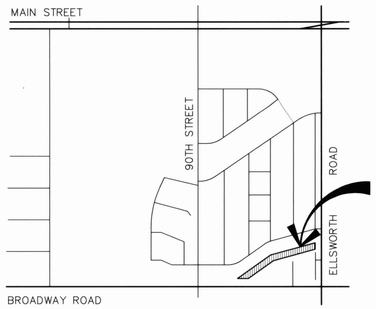
NOTE

ALL DISTANCES ARE GROUND DISTANCES.

WITNESS CORNERS AND REFERENCE MARKERS WERE SET DUE TO NO ACCESS OF POINT LOCATION.

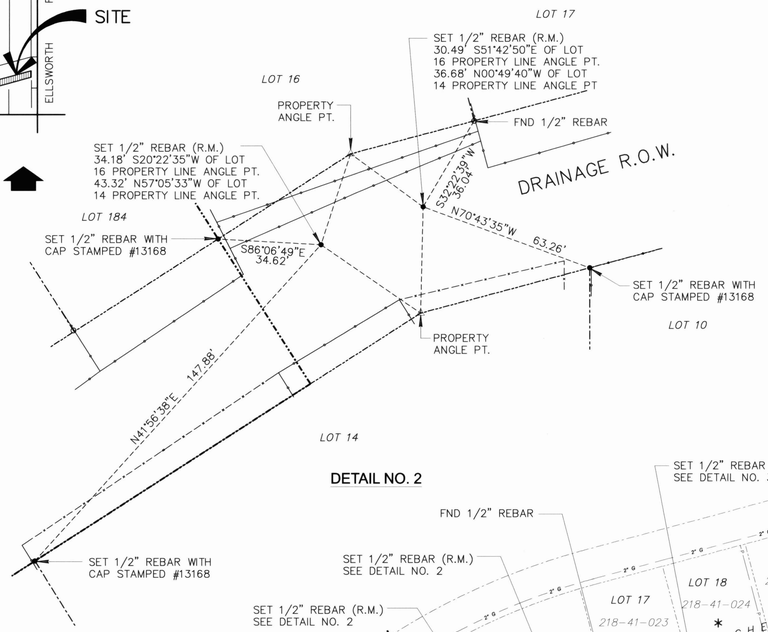
UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED.

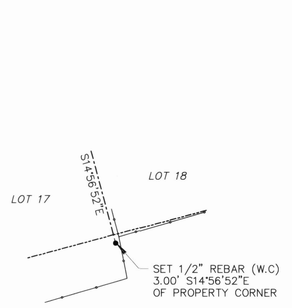


VICINITY MAP

DETAIL NO. 1

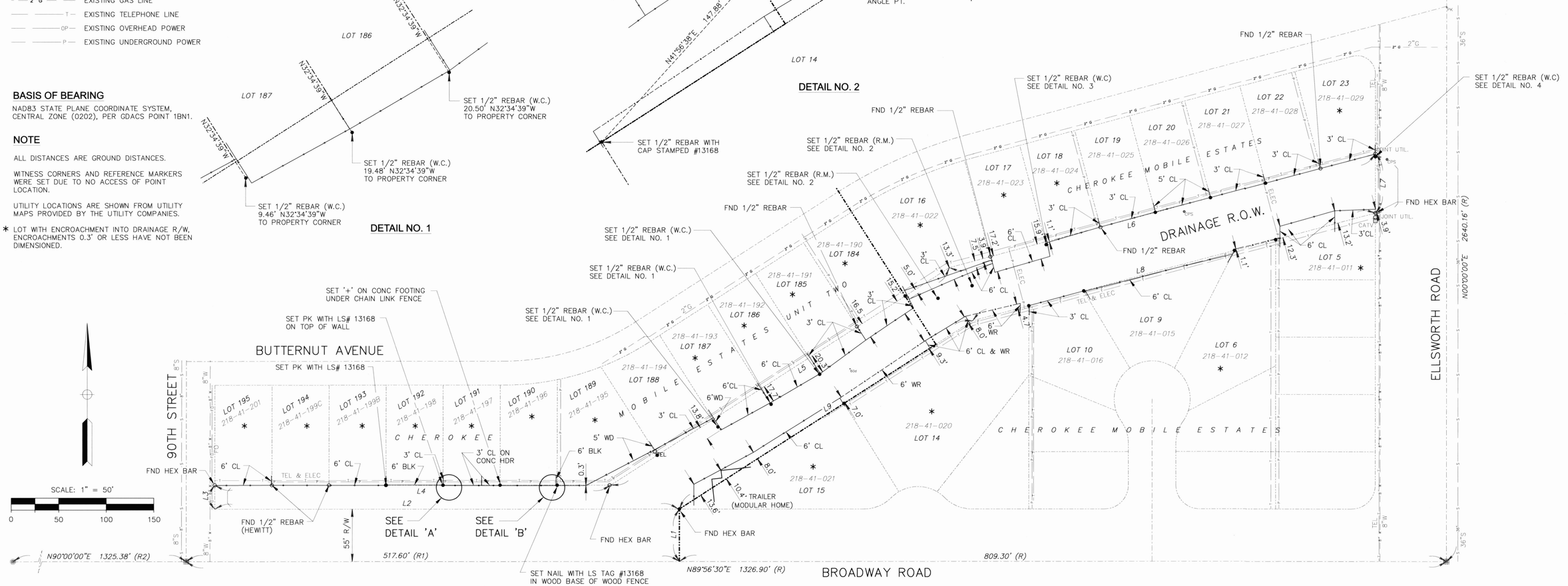


DETAIL NO. 2



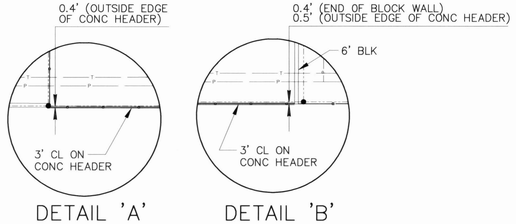
DETAIL NO. 4

DETAIL NO. 3



LINE TABLE

LINE	LENGTH	BEARING	LENGTH	BEARING
L1	55.00' (C)	S83°25'57"W (C)	55.00' (R)(R1)	
L2	488.75' (M)	S89°58'10"W (M)		
L3	25.00' (M)	N00°06'34"W (M)	25.00' (R1)	N00°01'45"E (R1)
L4	416.37' (M)	N89°58'10"E (M)	416.08' (R1)	N89°56'30"E (R1)
L5	423.08' (M)	N57°24'11"E (M)	423.49' (R)(R1)	N57°21'30"E (R)(R1)
L6	464.56' (M)	N75°03'08"E (M)	464.75' (R)	N75°00'00"E (R)
L7	62.12' (M)	S00°02'59"W (M)	62.10' (R)	S00°00'00"W (R)
L8	439.18' (M)	S75°03'06"W (M)	437.55' (R)	S75°00'00"W (R)
L9	366.26' (M)	S57°24'11"W (M)	367.85' (R)(R1)	S57°21'30"W (R)(R1)



CERTIFICATION

I, RICHARD ALCOCER, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, THAT THIS MAP, CONSISTING OF 1 SHEET, CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION DURING THE MONTH OF MAY 2005; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT ALL MONUMENTS SHOWN ACTUALLY EXIST AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

Richard Alcocer

REGISTERED LAND SURVEYOR #13168

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

Registered Land Surveyor
13168
RICHARD
ALCOCER
Date Signed 8-3-05
ARIZONA, U.S.A.

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 4

DRN: JG	DATE: 4/05	PEC JOB #3033.04	
DES: CG	DATE: 4/05		
CKD: RA	DATE: 4/05	SCALE: 1"=50'	NO. 1 OF 1

A PORTION OF "CRISWAY ESTATES UNIT TWO" BOOK 116 OF MAPS, PAGE 5, M.C.R. & A PORTION OF "CRISWAY ESTATES UNIT THREE" BOOK 118 OF MAPS, PAGE 48, M.C.R. LOCATED IN THE NE 1/4 OF THE NE 1/4, SEC 27 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA

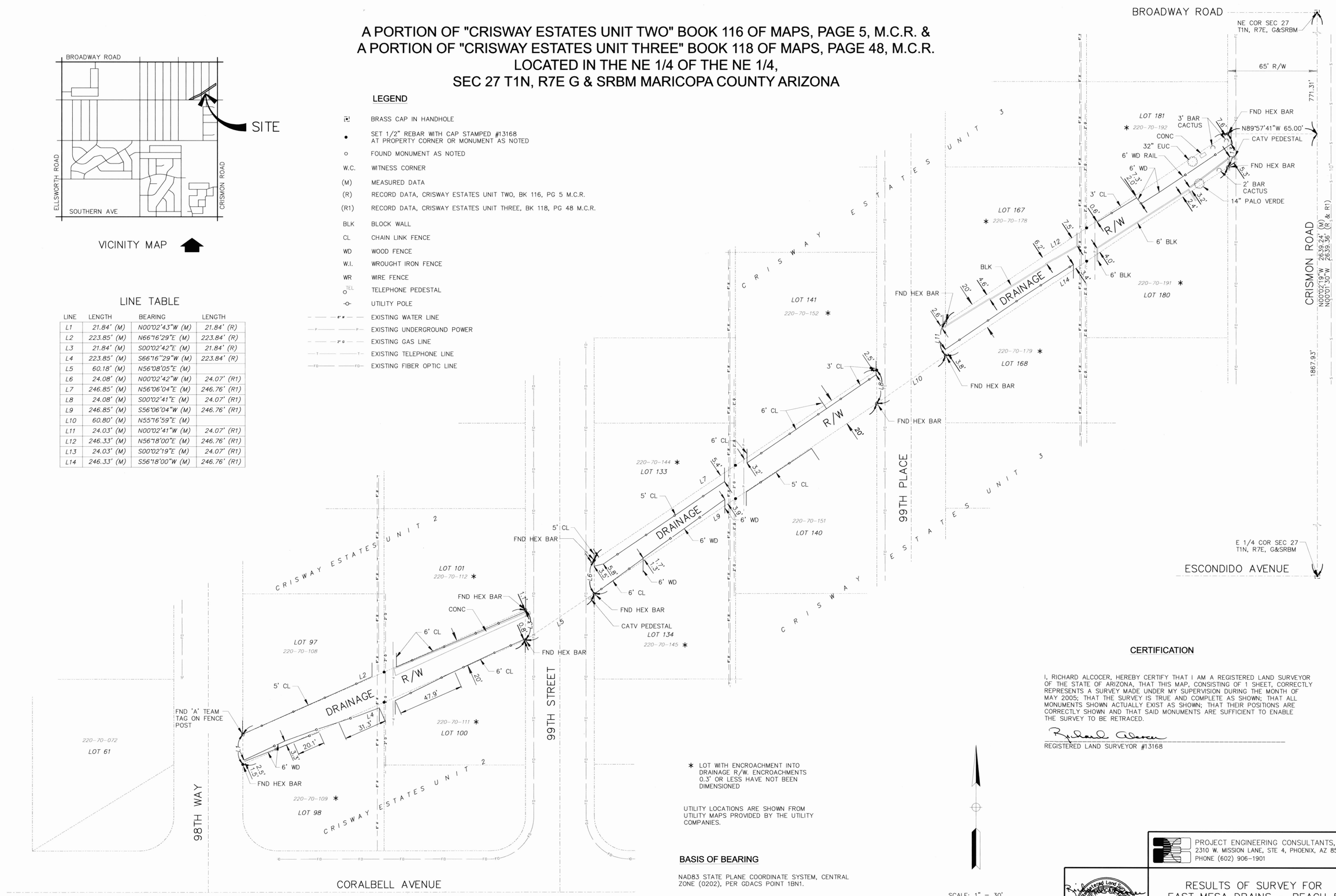
VICINITY MAP

LEGEND

⊡	BRASS CAP IN HANDHOLE
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
○	FOUND MONUMENT AS NOTED
W.C.	WITNESS CORNER
(M)	MEASURED DATA
(R)	RECORD DATA, CRISWAY ESTATES UNIT TWO, BK 116, PG 5 M.C.R.
(R1)	RECORD DATA, CRISWAY ESTATES UNIT THREE, BK 118, PG 48 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
○TEL	TELEPHONE PEDESTAL
-o-	UTILITY POLE
— 6"W —	EXISTING WATER LINE
—P— P—	EXISTING UNDERGROUND POWER
— 2"G —	EXISTING GAS LINE
—T— T—	EXISTING TELEPHONE LINE
—FO— FO—	EXISTING FIBER OPTIC LINE

LINE TABLE

LINE	LENGTH	BEARING	LENGTH
L1	21.84' (M)	N00°02'43"W (M)	21.84' (R)
L2	223.85' (M)	N66°16'29"E (M)	223.84' (R)
L3	21.84' (M)	S00°02'42"E (M)	21.84' (R)
L4	223.85' (M)	S66°16'29"W (M)	223.84' (R)
L5	60.18' (M)	N56°08'05"E (M)	
L6	24.08' (M)	N00°02'42"W (M)	24.07' (R1)
L7	246.85' (M)	N56°06'04"E (M)	246.76' (R1)
L8	24.08' (M)	S00°02'41"E (M)	24.07' (R1)
L9	246.85' (M)	S56°06'04"W (M)	246.76' (R1)
L10	60.80' (M)	N55°16'59"E (M)	
L11	24.03' (M)	N00°02'41"W (M)	24.07' (R1)
L12	246.33' (M)	N56°18'00"E (M)	246.76' (R1)
L13	24.03' (M)	S00°02'19"E (M)	24.07' (R1)
L14	246.33' (M)	S56°18'00"W (M)	246.76' (R1)



* LOT WITH ENCROACHMENT INTO DRAINAGE R/W. ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED

UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTE

ALL DISTANCES ARE GROUND DISTANCES.

SCALE: 1" = 30'

30 15 0 30 60

CERTIFICATION

I, RICHARD ALCOCER, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, THAT THIS MAP, CONSISTING OF 1 SHEET, CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION DURING THE MONTH OF MAY 2005; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT ALL MONUMENTS SHOWN ACTUALLY EXIST AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

Richard Alcocer

REGISTERED LAND SURVEYOR #13168

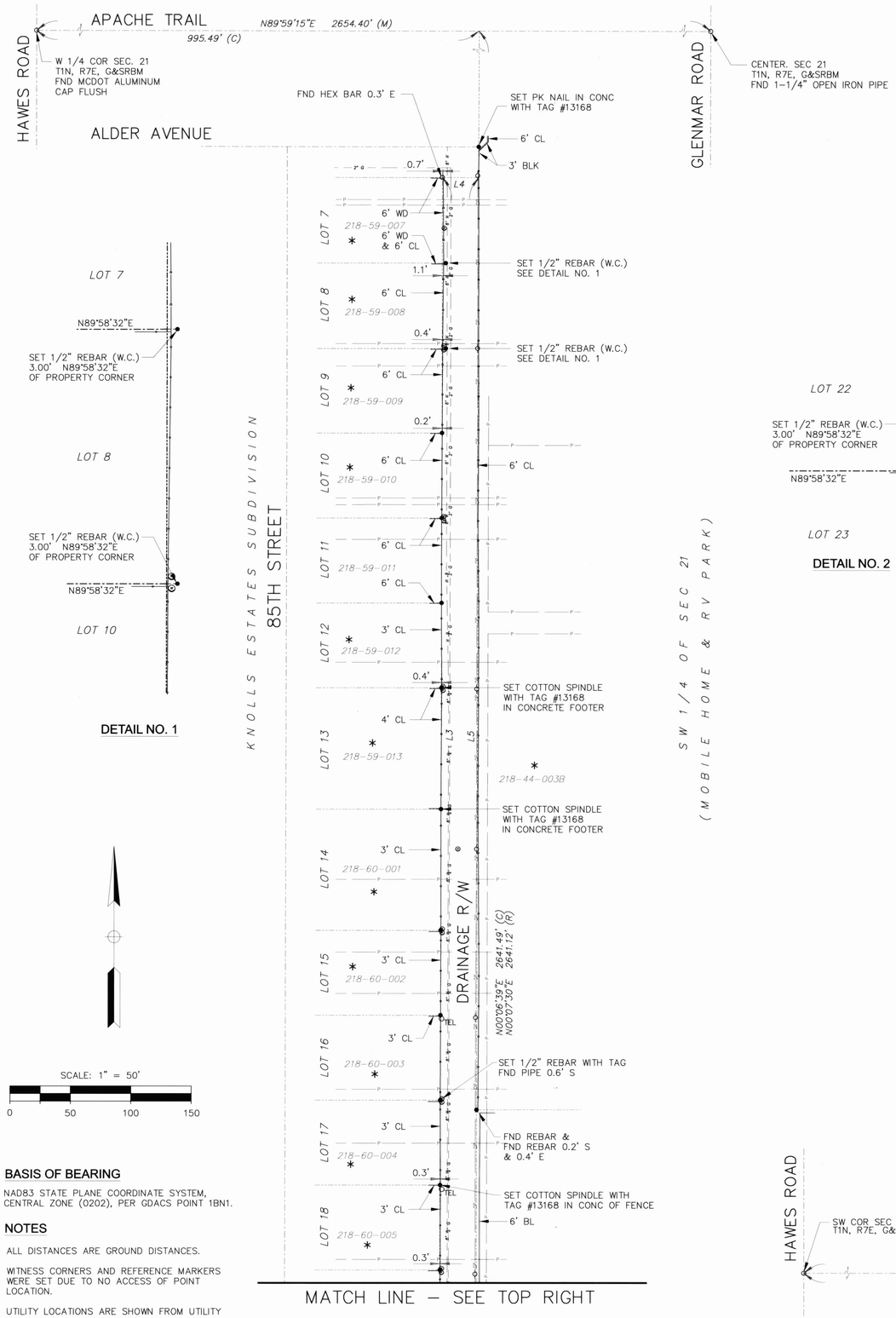
Registered Land Surveyor 13168 RICHARD ALCOCER Date Signed 6-8-05 ARIZONA, U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

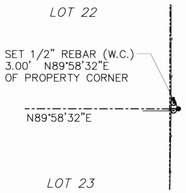
RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 5

DRN: JG DATE: 4/05	PEC JOB #3033.04	
DES: CG DATE: 4/05		
CKD: RA DATE: 4/05	SCALE: 1"=30'	NO. 1 OF 1

A PORTION OF "KNOLLS ESTATES" BOOK 98 OF MAPS, PAGE 15, M.C.R.
LOCATED IN THE W 1/2 OF THE SW 1/4, SEC 21 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA



DETAIL NO. 1



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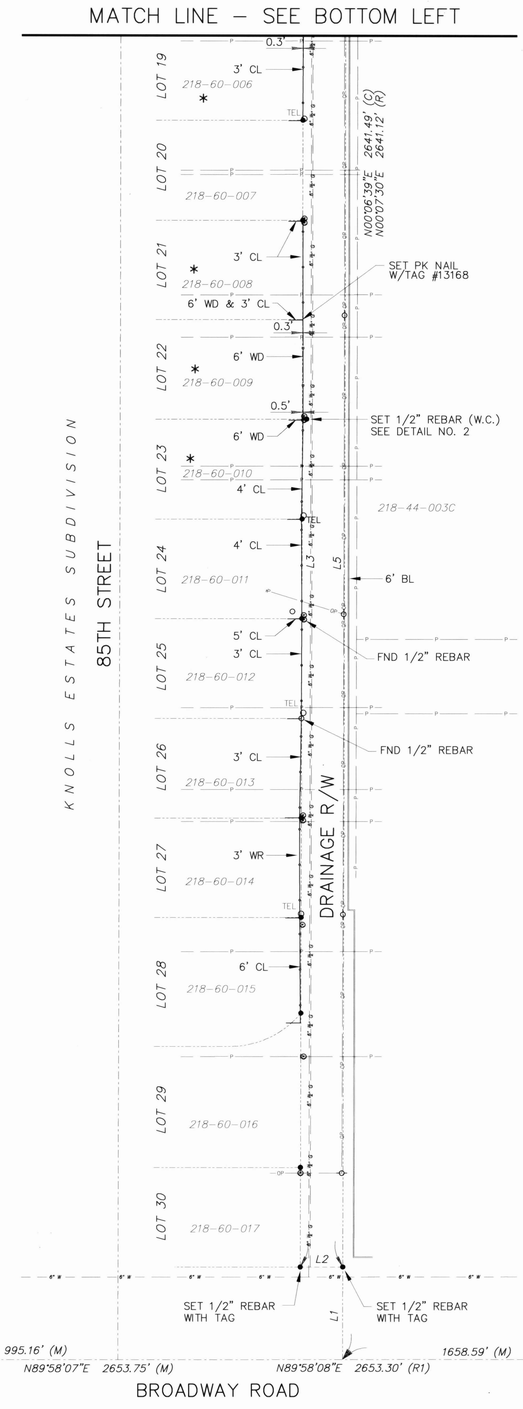

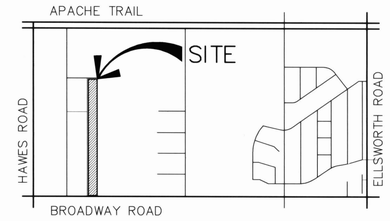

VICINITY MAP

LEGEND

⊡	BRASS CAP IN HANDHOLE
⊙	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
○	FOUND MONUMENT AS NOTED
R.M.	REFERENCE MARKER
W.C.	WITNESS CORNER
(C)	CALCULATED DATA
(M)	MEASURED DATA
(R)	RECORD DATA, KNOLLS ESTATES, BK 98, PG 15 M.C.R.
(R1)	RECORD DATA, RECORD OF SURVEY, BK 657, PG 27 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
TEL	TELEPHONE PEDESTAL
	UTILITY POLE
	WATER METER
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
2" G	EXISTING GAS LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER

LINE TABLE

LINE	LENGTH	BEARING	LENGTH	BEARING
L1	65.00'	N00°07'10"E		S00°07'30"W (R)
L2	30.00' (M)	S89°58'07"W (M)		
L3	1776.08' (M)	N00°07'10"E (M)		S00°07'10"W (R)
L4	30.00' (M)	N89°58'32"E (M)	30.00' (R)	N89°59'35"W (R)
L5	1776.08' (M)	S00°07'10"W (M)		S00°07'10"W (R)

SCALE: 1" = 50'

0 50 100 150

BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTES

ALL DISTANCES ARE GROUND DISTANCES.

WITNESS CORNERS AND REFERENCE MARKERS WERE SET DUE TO NO ACCESS OF POINT LOCATION.

UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED.

CERTIFICATION

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REGISTERED LAND SURVEYOR #13168

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

Registered Land Surveyor
13168
RICHARD
ALCOCER
9-1-05
Date Signed
ARIZONA, U.S.A.

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 7

DRN: JG DATE: 4/05	PEC JOB #3033.04		
DES: CG DATE: 4/05			
CKD: RA DATE: 4/05	SCALE: 1"=50'	NO. 1	OF 1

A PORTION OF "KNOLLS MOBILE HOMES SUBDIVISION" BOOK 98 OF MAPS, PAGE 03, M.C.R & A PORTION OF "THIRTY FOUR PALMS SUBDIVISION" BOOK 107 OF MAPS, PAGE 19, M.C.R.. LOCATED IN THE NE 1/4 OF THE NE 1/4, SEC 20 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA

FND BRASS CAP IN HANDHOLE
N 1/4 COR SEC 20
T1N, R7E, G&SRBM

FND BRASS CAP FLUSH
NE COR SEC 20
T1N, R7E, G&SRBM

UNIVERSITY DRIVE

N89°58'28"W 2651.16' (M)
N90°00'00"W 2652.08' (R)
N89°30'00"W 2651.80' (R1)

1331.17' (C)
1331.80' (R1)

330.00' (C)(R1)

989.99' (C)
990.00' (R)

82ND STREET

80TH STREET

N00°07'59"E 2639.38' (M)
N00°09'52"E 2639.41' (R2)

N00°11'43"E 448.00' (C)
S00°06'00"E 448.00' (R)(R1)

HAWES ROAD

83RD PLACE

FND REBAR,
CENTER OF SEC 20
T1N, R7E, G&SRBM

LEGEND

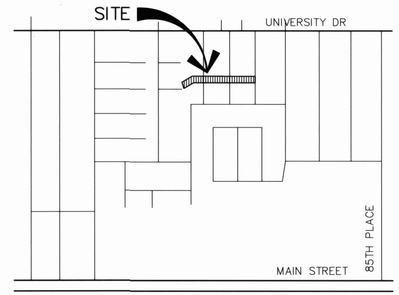
⊕	BRASS CAP IN HANDHOLE
⊙	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
o	FOUND MONUMENT AS NOTED
R.M.	REFERENCE MARKER
W.C.	WITNESS CORNER
(C)	CALCULATED DATA
(M)	MEASURED DATA
(R)	RECORD DATA, KNOLLS MOBILE HOMES SUBDIVISION, BK 98, PG 03 M.C.R.
(R1)	RECORD DATA, THIRTY FOUR PALMS SUBDIVISION, BK 107, PG 19 M.C.R.
(R2)	RECORD DATA, RESULTS OF SURVEY, BK 505, PG 06 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
TEL	TELEPHONE PEDESTAL
	UTILITY POLE
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
2" G	EXISTING GAS LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER

LINE TABLE

LINE	LENGTH	BEARING	LENGTH	BEARING
L1	107.00' (M)	S89°55'06"E (M)	107.00' (R)	N90°00'00"E (R)
L2	16.00' (M)	S00°11'43"W (M)	16.00' (R)	S00°06'00"E (R)
L3	107.00' (M)	N89°55'06"W (M)	107.00' (R)	N90°00'00"E (R)
L4	1.24'	S00°11'43"W		
L5	113.68'	S60°10'49"W		N59°25'00"E (R)
L6	8.28'	N44°52'42"W		S45°30'00"E (R)
L7	105.56'	N60°10'49"E		N59°25'00"E (R)
L8	2.15'	S89°55'06"E		
L9	50.00' (M)	S89°53'47"E (M)	50.00' (R)	N90°00'00"E (R)
L10	214.00' (M)	S89°55'07"E (M)	214.00' (R)	N90°00'00"E (R)
L11	16.00' (M)	S00°11'43"W (M)	16.00' (R)	S00°06'00"E (R)
L12	214.00' (M)	N89°55'07"W (M)	214.00' (R)	N90°00'00"E (R)
L13	16.00' (M)	N00°11'43"E (M)	16.00' (R)	S00°06'00"E (R)
L14	50.00' (M)	S89°55'07"E (M)	50.00' (R)	N90°00'00"E (R)
L15	214.00' (M)	S89°55'08"E (M)	214.00' (R)	N90°00'00"E (R)
L16	16.00' (M)	S00°11'43"W (M)	16.00' (R)	S00°06'00"E (R)
L17	214.00' (M)	N89°55'08"W (M)	214.00' (R)	N90°00'00"E (R)
L18	16.00' (M)	N00°11'43"E (M)	16.00' (R)	S00°06'00"E (R)

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	RADIUS	DELTA	LENGTH
C1	52.30'	20°43'17"	18.91'	52.30' (R)		



VICINITY MAP

KNOLLS MOBILE HOMES SUBDIVISION

82ND WAY

LOT 5
218-61-005
SET 1/2" REBAR WITH CAP FND HEX BAR 0.3' N
4' WR

LOT 12
218-61-012
CHISLED '+' ON ROCK IN ROCK SLOPE
4' CL
12" PALO VERDE
6' WD

LOT 21
218-61-021
FND REBAR
BRICK STRUCTURE
BRICK STRUCTURE
3' CL

LOT 28
*
218-61-028
SET PK NAIL WITH TAG ON TOP OF WALL
FND HEX BAR 0.3'S & 0.1'W
FND NAIL IN CONC W/ LS TAG "A-TEAM" 0.5' N
4' CL
1.5' BRICK WALL

LOT 37
*
218-61-037
5' ROCK & BRICK WALL
SET PK NAIL WITH TAG ON TOP OF WALL

LOT 18
218-61-058
16' DRAINAGE EASEMENT
FENCE
3.6'
L8
L1
L9
DRAINAGE R/W
L2
L3
FND HEX BAR 0.2' E
12" HIGH CONC FOOTER
4' WR
L4
FND HEX BAR 0.1' N
218-61-006
LOT 6

L10
L13
6' WD
14" PALO VERDE 1.2' N OF PROPERTY LINE
SET 1/2" REBAR WITH CAP FND HEX BAR 0.3' N
218-61-011
LOT 11

L14
DRAINAGE R/W
L11
3' CL ON 2.5' BRICK WALL
3' CL ON CONC
SET PK NAIL WITH TAG IN CONC FOOTER
218-61-022
*
LOT 22

L18
DRAINAGE R/W
L17
3' CL ON 2.5' BRICK WALL
6.5' BLK
SET COTTON SPINDLE WITH TAG IN CONC FOOTER
FND HEX BAR 0.6' N
218-61-027
LOT 27

0.2'
0.4'
0.6'
L15
L16
L17
2'± ROCK WALL
SET 1/2" REBAR WITH CAP, FND HEX BAR 0.7' N
218-61-038
LOT 38

83RD STREET

L7
L5
L6
C1
6'
FENCE
SET 1/2" REBAR WITH CAP FND HEX BAR 0.4' N
218-61-059
LOT 19

BUTTE STREET

THIRTY FOUR PALMS SUBDIVISION

KNOLLS MOBILE HOMES SUBDIVISION

SCALE: 1" = 30'

30 15 0 30 60

BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTES

ALL DISTANCES ARE GROUND DISTANCES.

WITNESS CORNERS AND REFERENCE MARKERS WERE SET DUE TO NO ACCESS OF POINT LOCATION.

UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED.

CERTIFICATION

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Richard Alcocer
REGISTERED LAND SURVEYOR #13168

Registered Land Surveyor
13168
RICHARD ALCOCER
9-1-05
ARIZONA, U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 8

DRN: JG	DATE: 4/05	PEC JOB #3033.04	
DES: CG	DATE: 4/05		
CKD: RA	DATE: 4/05	SCALE: 1"=30'	NO. 1 OF 1

A PORTION OF "CHEROKEE MOBILE ESTATES UNIT 3" BOOK 164 OF MAPS, PAGE 44, M.C.R & A PORTION OF "CHEROKEE MOBILE ESTATES" BOOK 128 OF MAPS, PAGE 05 M.C.R. LOCATED IN THE E 1/2 OF THE SE 1/4, SEC 21 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA

FND IRON PIPE CENTER SEC 21 T1N, R7E, G&SRBM

1324.89' (C)

NW COR E 1/2, SE 1/4 SEC 21 T1N, R7E, G&SRBM

N89°58'41"E 2646.78' (M)
N89°59'00"E 2649.33' (R1)
1324.89' (C)

FND BRASS CAP IN HANDHOLE E 1/4 COR SEC 21 T1N, R7E, G&SRBM

450.07' (C)
450.00' (R)

LEGEND

⊡	BRASS CAP IN HANDHOLE
⊙	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
○	FOUND MONUMENT AS NOTED
○CPS	COTTON PICKER SPINDLE
R.M.	REFERENCE MARKER
W.C.	WITNESS CORNER
(M)	MEASURED DATA
(R)	RECORD DATA, CHEROKEE MOBILE ESTATES UNIT 3, BK 164, PG 44 M.C.R.
(R1)	RECORD DATA, RESULTS OF SURVEY, BK 534, PG 50 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
○TEL	TELEPHONE PEDESTAL
-○-	UTILITY POLE
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
2" G	EXISTING GAS LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER

LOT 214 — S35°47'05"E — LOT 213 — S35°47'05"E — 8' P.U.E. — LOT 212

SET 1/2" REBAR 4.48' S35°47'05"E OF PROPERTY CORNER

SET 1/2" REBAR 4.47' S35°47'05"E OF PROPERTY CORNER

DETAIL NO. 3

ALDER AVENUE

ASPEN AVENUE

BALSAM AVENUE

90TH STREET

ELLSWORTH ROAD

CHEROKEE MOBILE ESTATES 3

DRAINAGE R/W

FND HEX BAR

FND HEX BAR

FND HEX BAR 0.2' N

FND 1/2" REBAR

SET PK WITH TAG IN CONCRETE FOOTER

FND REBAR 0.3' N & 0.1' E

FND 1/2" REBAR, 0.2' N & 0.2' W

SET COTTON SPINDLE WITH TAG IN CONCRETE FOOTER

SET TACK WITH LS # 13168

SET 1/2" REBAR SEE DETAIL NO. 3

SET 1/2" REBAR (W.C.) SEE DETAIL NO. 2

SET 1/2" REBAR (W.C.) SEE DETAIL NO. 1

FOUND HEX BAR 0.3' N

SET TACK WITH LS # 13168

SET TACK WITH LS # 13168

LOT 227 (218-41-233) · LOT 226 (218-41-232) · LOT 225 (218-41-231) · LOT 224 (218-41-230) · LOT 223 (218-41-229) · LOT 222 (218-41-228) · LOT 221 (218-41-227) · LOT 220 (218-41-226) · LOT 219 (218-41-225) · LOT 218 (218-41-224) · LOT 217 (218-41-223) · LOT 216 (218-41-222) · LOT 215 (218-41-221) · LOT 214 (218-41-220) · LOT 213 (218-41-219) · LOT 212 (218-41-218) · LOT 211 (218-41-217) · LOT 209 (218-41-215) · LOT 208 (218-41-214) · LOT 207 (218-41-213) · LOT 206 (218-41-212) · LOT 205 (218-41-211) · LOT 204 (218-41-210) · LOT 203 (218-41-209) · LOT 202 (218-41-208) · LOT 201 (218-41-207) · LOT 200 (218-41-206) · LOT 199 (218-41-205) · LOT 198 (218-41-204) · LOT 197 (218-41-203) · LOT 196 (218-41-202) · LOT 122 · LOT 121 · LOT 120 · LOT 119 · LOT 118 · LOT 117 · LOT 116 · LOT 115 · LOT 114 · LOT 113

6' CL · 5' CL · 4' CL · 3' CL · 6' WD · 5' WD · 4' WD · 3' WD · 6' WR · 4' WR · 3' BLK & W.I. · 6' BLK

2190.16' (R)
2190.25' (C)
N00°02'59"E 2640.32' (M)
N00°00'00"E 2640.16' (R)

FND BRASS CAP IN HANDHOLE SE COR SEC 21 T1N, R7E, G&SRBM

(2) 4"PVC EXPOSED WITH CABLE OR WIRE INSIDE

DETAIL NO. 2

SET 1/2" REBAR (W.C.) 9.51' N35°47'05"W OF PROPERTY CORNER

8' P.U.E. — N35°47'05"W — LOT 122 — LOT 121

DETAIL NO. 1

SET 1/2" REBAR (W.C.) 5.56' N35°47'05"W OF PROPERTY CORNER

2.1' — 0.8' — 8' P.U.E. — N35°47'05"W — LOT 117 — LOT 116

MAIN STREET · SITE · 90TH STREET · ELLSWORTH ROAD · BROADWAY ROAD

VICINITY MAP

SCALE: 1" = 60'

60 30 0 60 120

LINE TABLE

LINE	LENGTH	BEARING	LENGTH	BEARING
L1	55.00'	N89°57'01"W	55.00' (R)	S89°56'18"W (R)
L2	54.67' (M)	S00°02'59"W (M)	54.55' (R)	S00°00'00"W (R)
L3	230.66' (M)	S38°06'17"W (M)	230.44' (R)	S38°08'28"W (R)
L4	1355.07' (M)	S54°12'55"W (M)	1355.00' (R)	S54°09'45"W (R)
L5	74.04' (M)	N00°04'59"E (M)	74.04' (R)	N00°01'45"E (R)
L6	1303.19' (M)	N54°12'55"E (M)	1303.18' (R)	N54°09'45"E (R)
L7	169.03' (M)	N38°06'17"E (M)	168.86' (R)	N38°08'28"E (R)
L8	59.42' (M)	N00°02'59"E (M)	59.19' (R)	N00°00'00"E (R)
L9	80.00' (M)	N89°58'41"E (M)	80.00' (R)	N89°56'18"E (R)

BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTES

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UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED.

CERTIFICATION

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REGISTERED LAND SURVEYOR #13168

Registered Land Surveyor — 13168 RICHARD ALCOCER — Date Signed 6-8-05 — ARIZONA, U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 10

DRN: JG	DATE: 4/05	PEC JOB #3033.04	
DES: CG	DATE: 4/05		
CKD: RA	DATE: 4/05	SCALE: 1"=60'	NO. 1 OF 1

A PORTION OF "CHEROKEE MOBILE ESTATES UNIT 3" BOOK 164 OF MAPS, PAGE 44, M.C.R & A PORTION OF "CHEROKEE MOBILE ESTATES" BOOK 128 OF MAPS, PAGE 05 M.C.R. LOCATED IN THE E 1/2 OF THE SE 1/4, SEC 21 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA

N89°58'41"E 2646.78' (M)
N89°59'00"E 2649.33' (R1)
1324.89' (C)

1324.89' (C)

FND IRON PIPE CENTER SEC 21 T1N, R7E, G&SRBM

NW COR E 1/2, SE 1/4 SEC 21 T1N, R7E, G&SRBM

FND BRASS CAP IN HANDHOLE E 1/4 COR SEC 21 T1N, R7E, G&SRBM

450.07' (C)
450.00' (R)

2190.25' (C)
2190.16' (R)
N00°25'59"E
2640.32' (M)
2640.19' (R)
N00°00'00"E

FND BRASS CAP IN HANDHOLE SE COR SEC 21 T1N, R7E, G&SRBM

LEGEND

⊡	BRASS CAP IN HANDHOLE
⊙	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
○	FOUND MONUMENT AS NOTED
CPS	COTTON PICKER SPINDLE
R.M.	REFERENCE MARKER
W.C.	WITNESS CORNER
(M)	MEASURED DATA
(R)	RECORD DATA, CHEROKEE MOBILE ESTATES UNIT 3, BK 164, PG 44 M.C.R.
(R1)	RECORD DATA, RESULTS OF SURVEY, BK 534, PG 50 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
TEL	TELEPHONE PEDESTAL
	UTILITY POLE
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
2" G	EXISTING GAS LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER

LOT 214
LOT 213
LOT 212
S35°47'05"E
8' P.U.E.
SET 1/2" REBAR 4.48' S35°47'05"E OF PROPERTY CORNER
SET 1/2" REBAR 4.47' S35°47'05"E OF PROPERTY CORNER

DETAIL NO. 3

ALDER AVENUE
ASPEN AVENUE
BALSAM AVENUE
90TH STREET
ELLSWORTH ROAD
DRAINAGE R/W
CHEROKEE MOBILE ESTATES 3

FND HEX BAR
FND HEX BAR
FND HEX BAR 0.2' N
FND 1/2" REBAR
SET PK WITH TAG IN CONCRETE FOOTER
FND REBAR 0.3' N & 0.1' E
FND 1/2" REBAR, 0.2' N & 0.2' W
SET COTTON SPINDLE WITH TAG IN CONCRETE FOOTER
SET TACK WITH LS # 13168
SET 1/2" REBAR SEE DETAIL NO. 3
SET 1/2" REBAR (W.C.) SEE DETAIL NO. 2
SET 1/2" REBAR (W.C.) SEE DETAIL NO. 1
FOUND HEX BAR 0.3' N
SET TACK WITH LS # 13168
SET TACK WITH LS # 13168

LOT 227 218-41-233
LOT 226 218-41-232
LOT 225 218-41-231
LOT 224 218-41-230
LOT 223 218-41-229
LOT 222 218-41-228
LOT 221 218-41-227
LOT 220 218-41-226
LOT 219 218-41-225
LOT 218 218-41-224
LOT 217 218-41-223
LOT 216 218-41-222
LOT 215 218-41-221
LOT 214 218-41-220
LOT 213 218-41-219
LOT 212 218-41-218
LOT 211 218-41-217
LOT 209 218-41-215
LOT 196 218-41-202
LOT 197
LOT 198
LOT 199 218-41-205
LOT 200 218-41-206
LOT 201 218-41-207
LOT 202 218-41-208
LOT 203 218-41-209
LOT 204 218-41-210
LOT 205 218-41-211
LOT 206 218-41-212
LOT 207 218-41-213
LOT 208 218-41-214
LOT 122 218-41-128
LOT 121 218-41-127
LOT 120 218-41-126
LOT 119 218-41-125
LOT 118 218-41-124
LOT 117 218-41-123
LOT 116 218-41-122
LOT 115 218-41-121
LOT 114 218-41-120
LOT 113 218-41-119

6' CL
5' CL
3' CL
4' WR
6' WD
6' BLK
4' CL
3' BLK & W.I.
(2) 4"PVC EXPOSED WITH CABLE OR WIRE INSIDE
ELEC/TEL
TEL
GAS
12"W
8"W
36'S

DRAINAGE EASEMENT Per Bk 164 of M.C.R.

SET 1/2" REBAR (W.C.) 9.51' N35°47'05"W OF PROPERTY CORNER
8' P.U.E.
N35°47'05"W
LOT 122
LOT 121

DETAIL NO. 2

SET 1/2" REBAR (W.C.) 5.56' N35°47'05"W OF PROPERTY CORNER
2.1'
0.8'
8' P.U.E.
N35°47'05"W
LOT 117
LOT 116

DETAIL NO. 1

MAIN STREET
SITE
90TH STREET
ELLSWORTH ROAD
BROADWAY ROAD

VICINITY MAP

SCALE: 1" = 60'
60 30 0 60 120

LINE TABLE

LINE	LENGTH	BEARING	LENGTH	BEARING
L1	55.00'	N89°57'01"W	55.00' (R)	S89°56'18"W (R)
L2	54.67' (M)	S00°02'59"W (M)	54.55' (R)	S00°00'00"W (R)
L3	230.66' (M)	S38°06'17"W (M)	230.44' (R)	S38°08'28"W (R)
L4	1355.07' (M)	S54°12'55"W (M)	1355.00' (R)	S54°09'45"W (R)
L5	74.04' (M)	N00°04'59"E (M)	74.04' (R)	N00°01'45"E (R)
L6	1303.19' (M)	N54°12'55"E (M)	1303.18' (R)	N54°09'45"E (R)
L7	169.03' (M)	N38°06'17"E (M)	168.86' (R)	N38°08'28"E (R)
L8	59.42' (M)	N00°02'59"E (M)	59.19' (R)	N00°00'00"E (R)
L9	80.00' (M)	N89°58'41"E (M)	80.00' (R)	N89°56'18"E (R)

BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTES

ALL DISTANCES ARE GROUND DISTANCES.

WITNESS CORNERS AND REFERENCE MARKERS WERE SET DUE TO NO ACCESS OF POINT LOCATION.

UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED.

CERTIFICATION

I, RICHARD ALCOCER, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, THAT THIS MAP, CONSISTING OF 1 SHEET, CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION DURING THE MONTH OF MAY 2005; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT ALL MONUMENTS SHOWN ACTUALLY EXIST AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

REGISTERED LAND SURVEYOR #13168

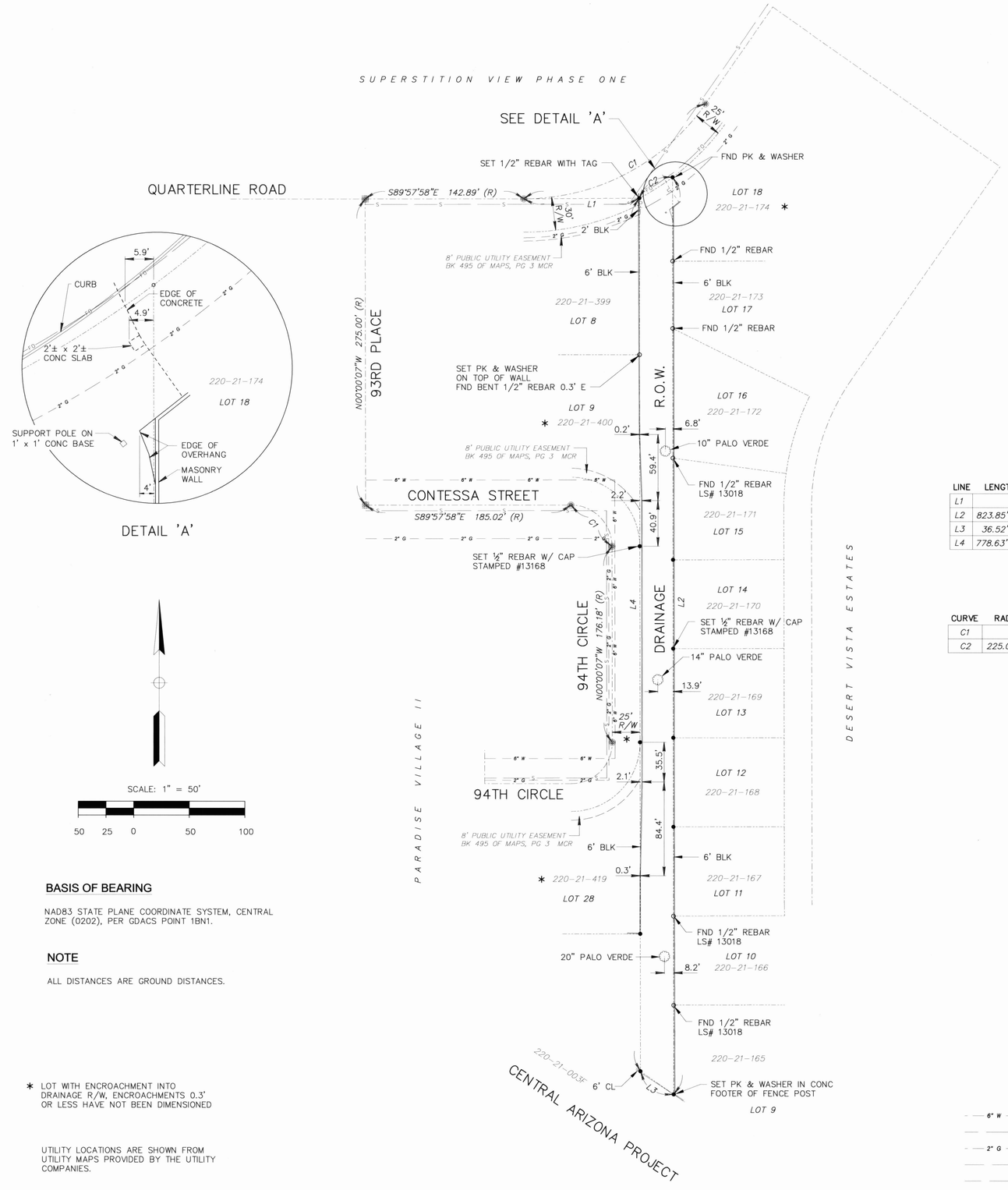
Registered Land Surveyor 13168 RICHARD ALCOCER Date Signed 9-6-05 ARIZONA, U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 10

DRN: JG DATE: 4/05	PEC JOB #3033.04	
DES: CG DATE: 4/05		
CKD: RA DATE: 4/05	SCALE: 1"=60'	NO. 1 OF 1

A PORTION OF "PARADISE VILLAGE II" BOOK 405, PAGE 03 M.C.R. & A PORTION OF "DESERT VISTA ESTATES" BOOK 239, PAGE 25 M.C.R. LOCATED IN THE SW 1/4, SEC 15 T1N, R7E G & SRBM MARICOPA COUNTY ARIZONA



BASIS OF BEARING

NAD83 STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0202), PER GDACS POINT 1BN1.

NOTE

ALL DISTANCES ARE GROUND DISTANCES.

* LOT WITH ENCROACHMENT INTO DRAINAGE R/W, ENCROACHMENTS 0.3' OR LESS HAVE NOT BEEN DIMENSIONED

UTILITY LOCATIONS ARE SHOWN FROM UTILITY MAPS PROVIDED BY THE UTILITY COMPANIES.

CERTIFICATION

I, RICHARD ALCOCER, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, THAT THIS MAP, CONSISTING OF 1 SHEET, CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION DURING THE MONTH OF MAY 2005; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN; THAT ALL MONUMENTS SHOWN ACTUALLY EXIST AS SHOWN; THAT THEIR POSITIONS ARE CORRECTLY SHOWN AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

Richard Alcocer

REGISTERED LAND SURVEYOR #13168

LINE TABLE

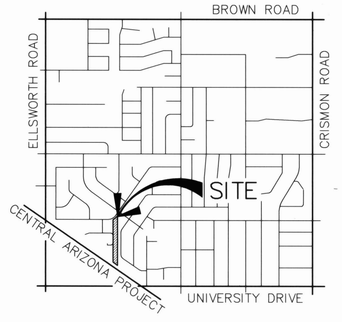
LINE	LENGTH	BEARING	LENGTH	BEARING
L1			104.11' (R)	S89°57'58"E (R)
L2	823.85' (M)	S00°05'00"E (M)	823.79' (R1)	N00°00'07"W (R1)
L3	36.52' (M)	N55°19'04"W (M)	36.53' (R1)	N55°13'20"W (R1)
L4	778.63' (M)	N00°05'00"W (M)	784.18' (R1)	N00°00'07"W (R1)

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	RADIUS	DELTA	LENGTH
C1				200.00' (R)	54°59'56" (R)	191.98' (R)
C2	225.00' (M)	09°01'16" (M)	35.43' (M)	225.00' (R1)		35.45' (R1)

LEGEND

⊞	BRASS CAP IN HANDHOLE
⊕	BRASS CAP FLUSH
•	SET 1/2" REBAR WITH CAP STAMPED #13168 AT PROPERTY CORNER OR MONUMENT AS NOTED
o	FOUND MONUMENT AS NOTED
W.C.	WITNESS CORNER
(M)	MEASURED DATA
(R)	RECORD DATA, PARADISE VILLAGE II, BK 405, PG 03 M.C.R.
(R1)	RECORD DATA, DESERT VISTA ESTATES, BK 239, PG 25 M.C.R.
BLK	BLOCK WALL
CL	CHAIN LINK FENCE
WD	WOOD FENCE
W.I.	WROUGHT IRON FENCE
WR	WIRE FENCE
TEL	TELEPHONE PEDESTAL
	UTILITY POLE
6" W	EXISTING WATER LINE
S	EXISTING SEWER LINE
2" G	EXISTING GAS LINE
T	EXISTING TELEPHONE LINE
OP	EXISTING OVERHEAD POWER



VICINITY MAP

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE 4, PHOENIX, AZ 85021
PHONE (602) 906-1901

Registered Land Surveyor 13168 RICHARD ALCOCER Date Signed ARIZONA, U.S.A.

RESULTS OF SURVEY FOR EAST MESA DRAINS – REACH 11

DRN: JG	DATE: 7/05	PEC JOB #3033.04	
DES: CG	DATE: 7/05		
CKD: RA	DATE: 7/05	SCALE: 1"=50'	NO. 1 OF 1