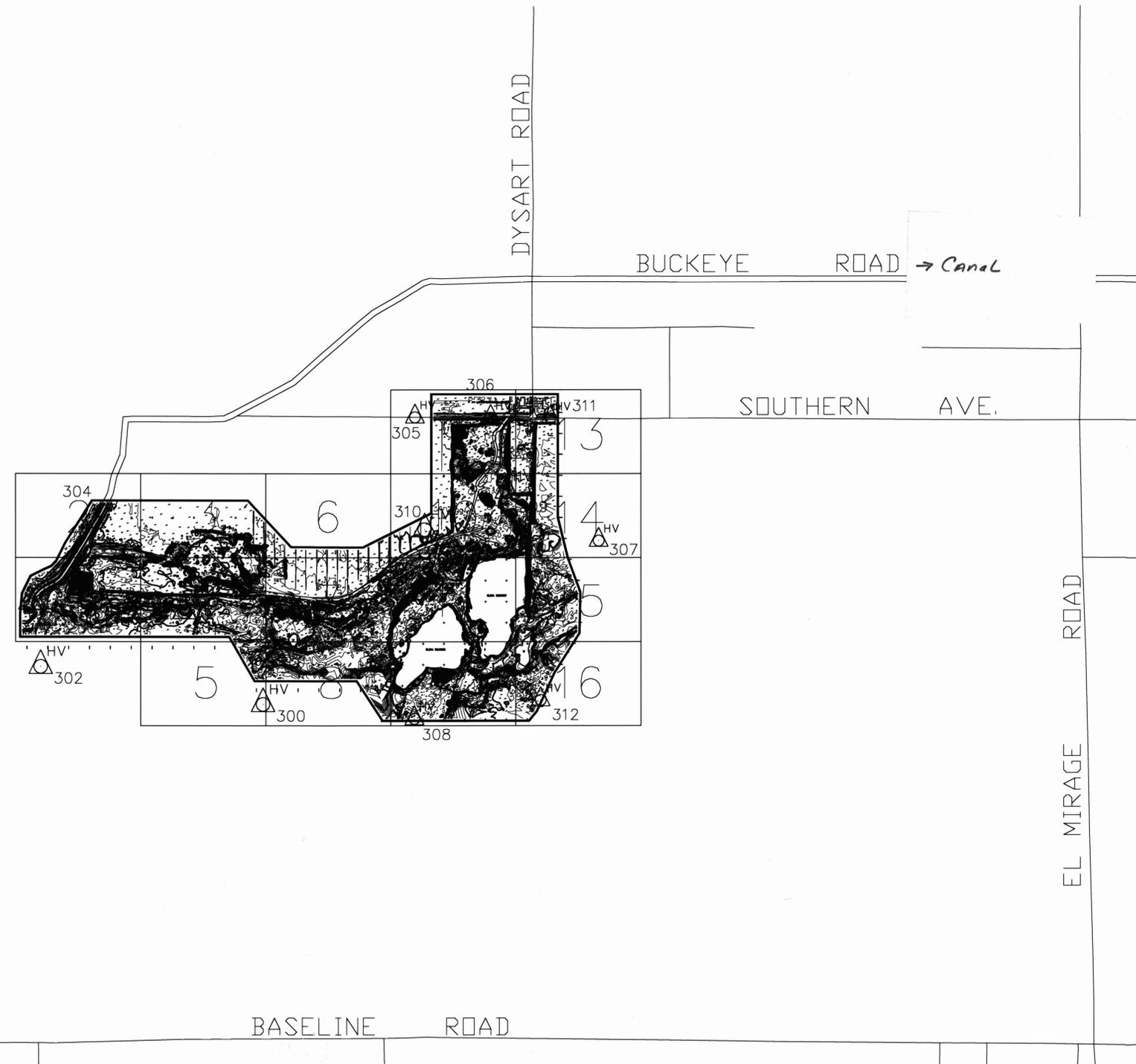
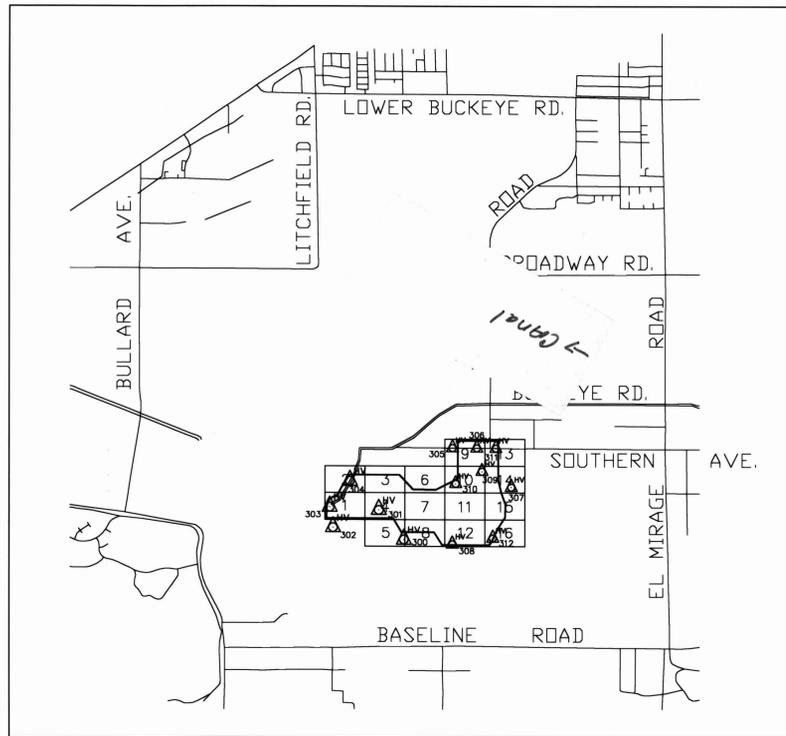


# MCFCD RAVEN ROCK SAND GRAVEL OPERATION SHEET INDEX MAP



## DETAILED AERIAL MAPPING OF RAVEN ROCK SAND AND GRAVEL OPERATION

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

I, RICHARD T. WAAGE, A REGISTERED LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF ARIZONA, HEREBY CERTIFY THAT THIS MAP, BASED ON GROUND CONTROL AND FIELD CHECKS PERFORMED BY THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, COMPLIES WITH THE AMERICAN SOCIETY OF PHOTOGRAMMETRY AND REMOTE SENSING STANDARD FOR CLASS 1 MAPS.

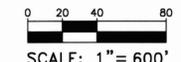


1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2



CONTROL NAME	Y	X	Z	SHT NO
300 PANEL	N 867622.90	E 568062.30	921.87	5
301 BLIND PANEL	N 868505.30	E 567306.90		4
302 PANEL	N 867983.10	E 565930.50	912.47	
303 PANEL	N 868595.20	E 565832.50	919.45	1
304 PANEL	N 869369.90	E 566434.70	920.84	2
305 PANEL	N 870357.50	E 569522.30	927.93	9
306 PANEL	N 870351.80	E 570250.20	929.96	9
307 PANEL	N 869180.40	E 571285.00	927.95	14
308 BLIND PANEL	N 867484.30	E 569515.70		12
309 BLIND PANEL	N 869652.10	E 570403.50		10
310 PANEL	N 869286.50	E 569615.90	924.92	10
311 PANEL	N 870344.50	E 570822.00	932.72	13
312 PANEL	N 867662.90	E 570728.50	923.63	16



TOPOGRAPHICAL MAP

DESIGN	BY	DATE	DETAILED AERIAL MAPPING
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:			REGISTERED LAND SURVEYOR
			SHEET 0 of 16

CENTRAL FILES  
DRAWER # 317

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

**MARICOPA COUNTY FLOOD  
CONTROL DISTRICT**

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/ DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
 VERTICAL-DATUM N A V D 1988  
 DATE OF PHOTOGRAPHY 4-24-2004  
 CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
 GROUND CONTROL SURVEY DATA PROVIDED BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
303	PANEL	868595.20	565832.50	919.45

**INDEX MAP**

			9	13
2	3	6	10	14
①	4	7	11	15
	5	8	12	16

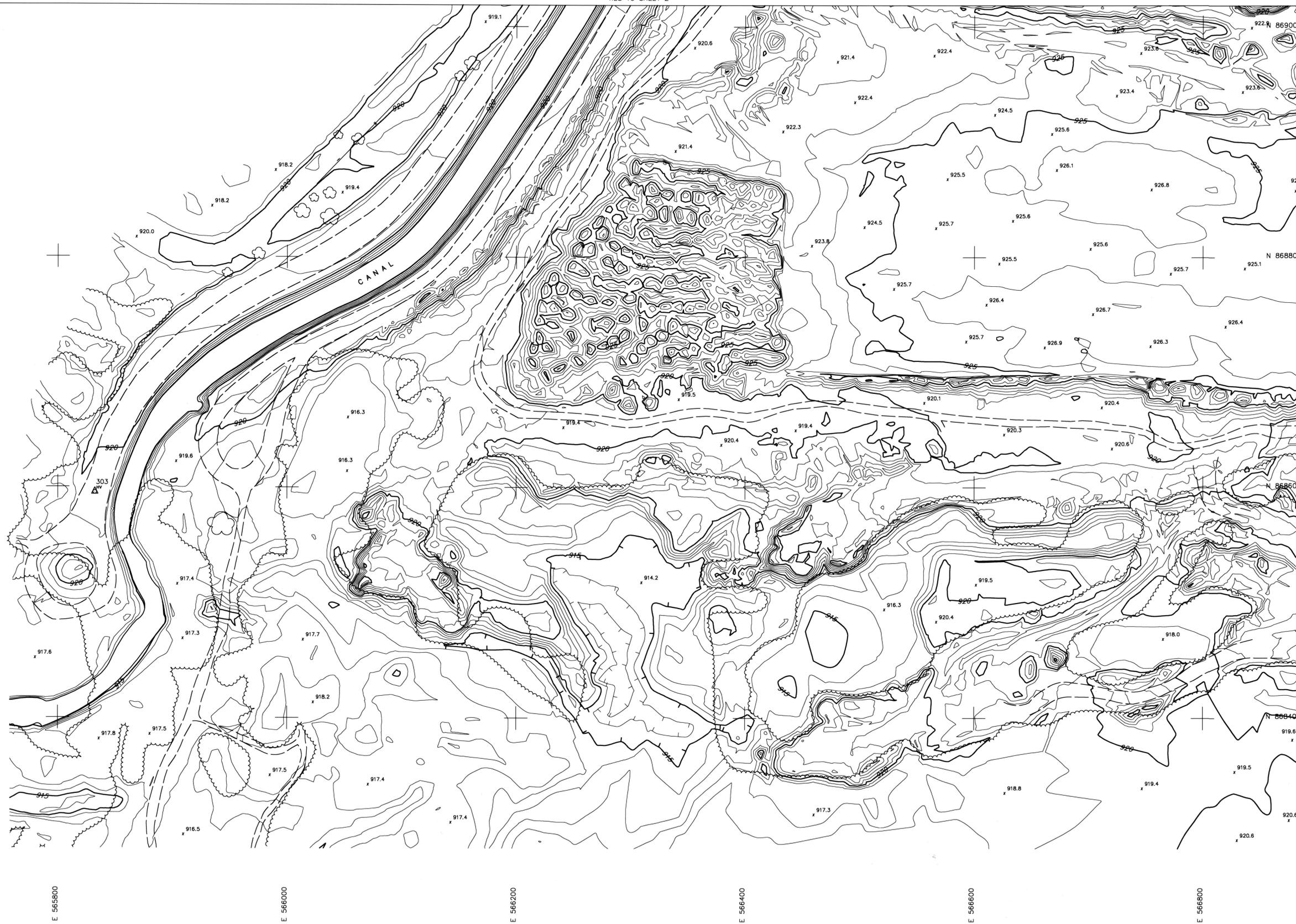


0 20 40 80  
 SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.	-	-	
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:			REGISTERED LAND SURVEYOR
	DATE:		SHEET 1 of 16

TIES TO SHEET 2



E 565800

E 566000

E 566200

E 566400

E 566600

E 566800

DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

LEGEND

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/ DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

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MAP, BASED ON GROUND CONTROL AND FIELD CHECKS PERFORMED  
BY THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, COMPLIES  
WITH THE AMERICAN SOCIETY OF PHOTOGRAMMETRY AND REMOTE SENSING  
STANDARD FOR CLASS 1 MAPS.



1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
304	PANEL	869369.9	566434.7	920.84

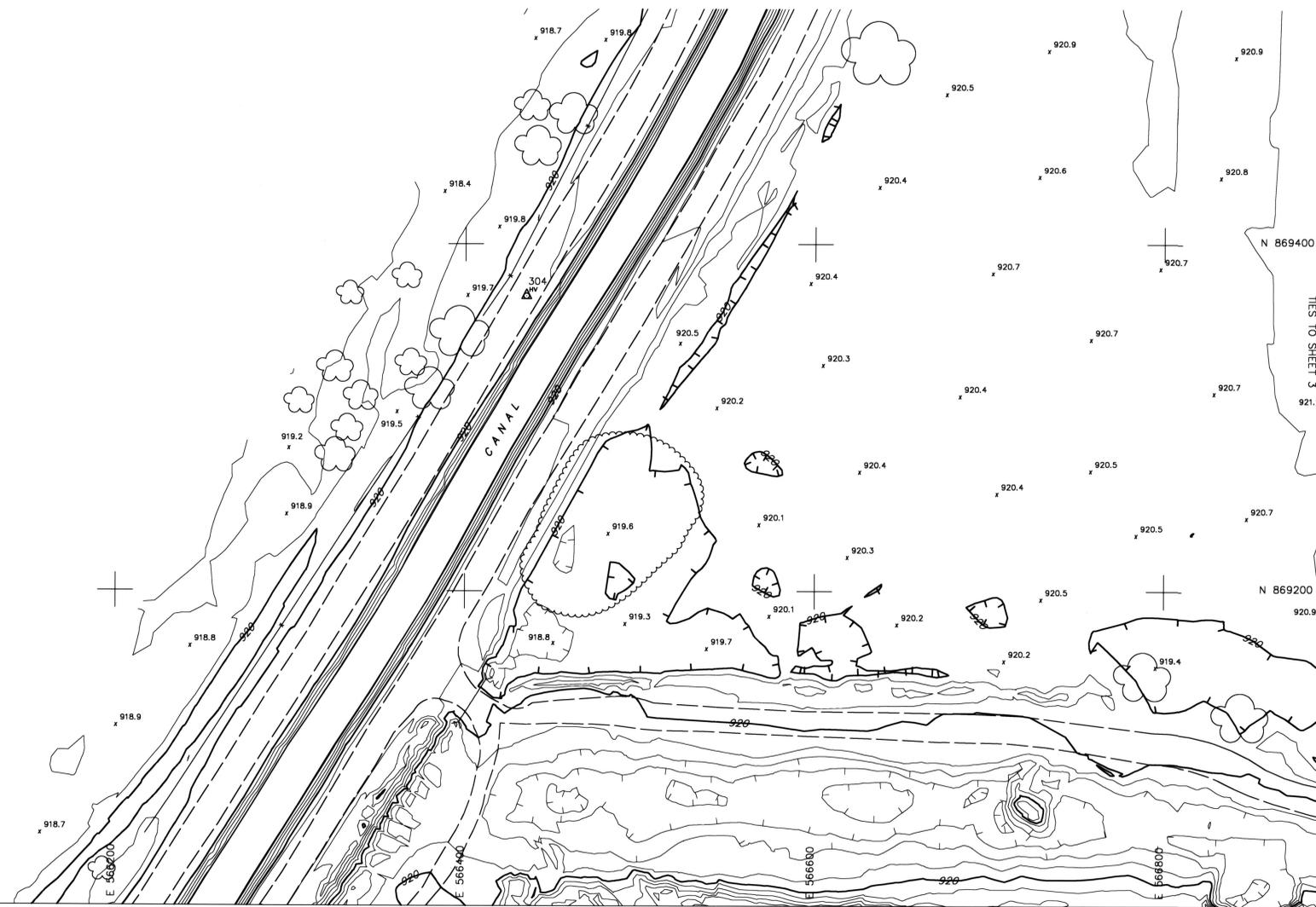
INDEX MAP

			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
SCALE: 1" = 40'

TOPOGRAPHICAL MAP



TIES TO SHEET 1

DESIGN	BY	DATE	DETAILS
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE #
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:	REGISTERED LAND SURVEYOR		DATE
	SHEET	2	OF 16

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
	NINE			

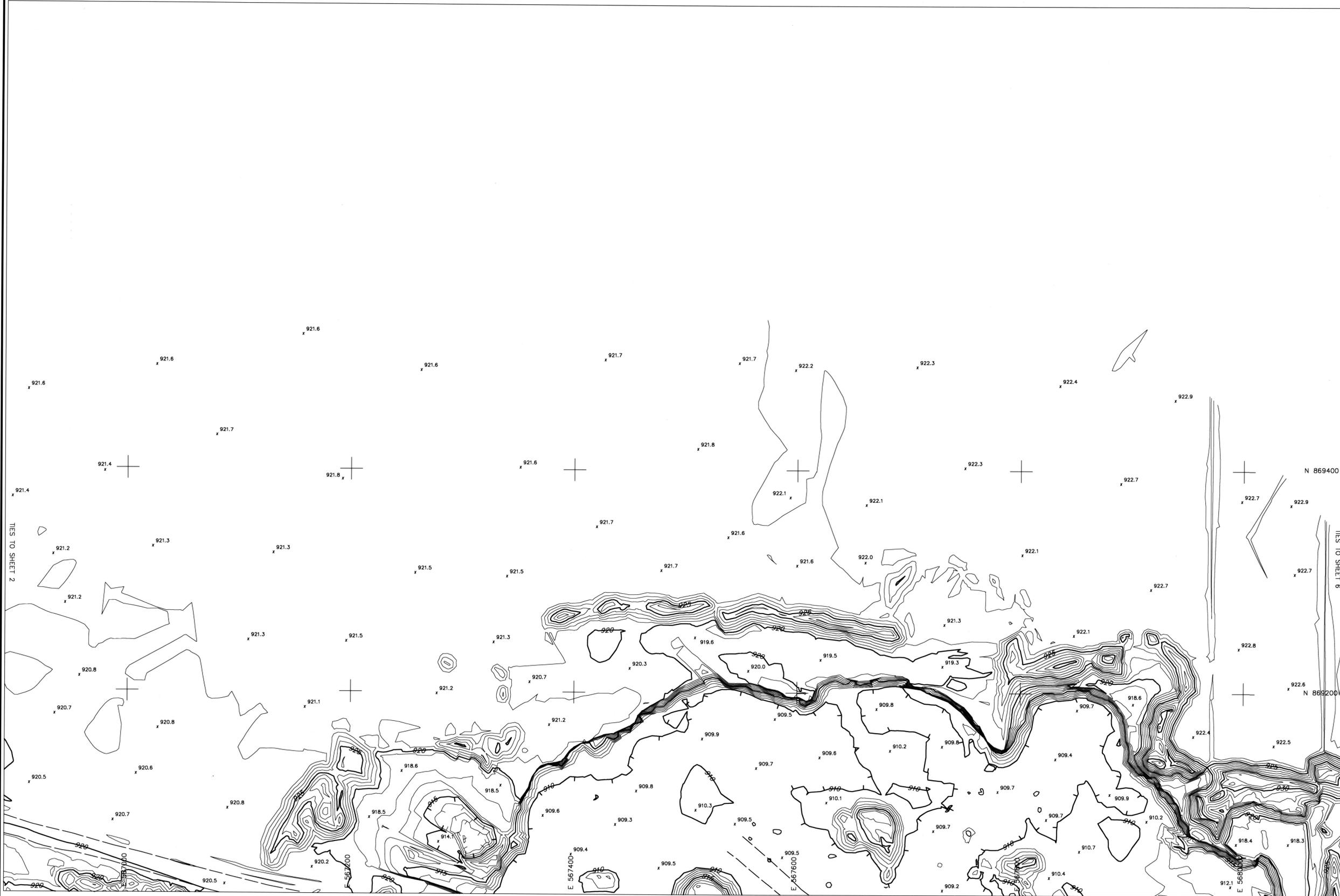
**INDEX MAP**

			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**



TIES TO SHEET 2

TIES TO SHEET 6

TIES TO SHEET 4

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.			
PLANS			RECOMMENDED BY: _____ DATE _____
PLANS CHK.			APPROVED BY: _____ DATE _____
SUBMITTED BY:	REGISTERED LAND SURVEYOR	DATE:	SHEET 3 of 16

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

**MARICOPA COUNTY FLOOD  
CONTROL DISTRICT**

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
 VERTICAL-DATUM N A V D 1988  
 DATE OF PHOTOGRAPHY 4-24-2004  
 CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
 GROUND CONTROL SURVEY DATA PROVIDED  
 BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
301	BLIND PANEL	868505.3	567306.9	

**INDEX MAP**

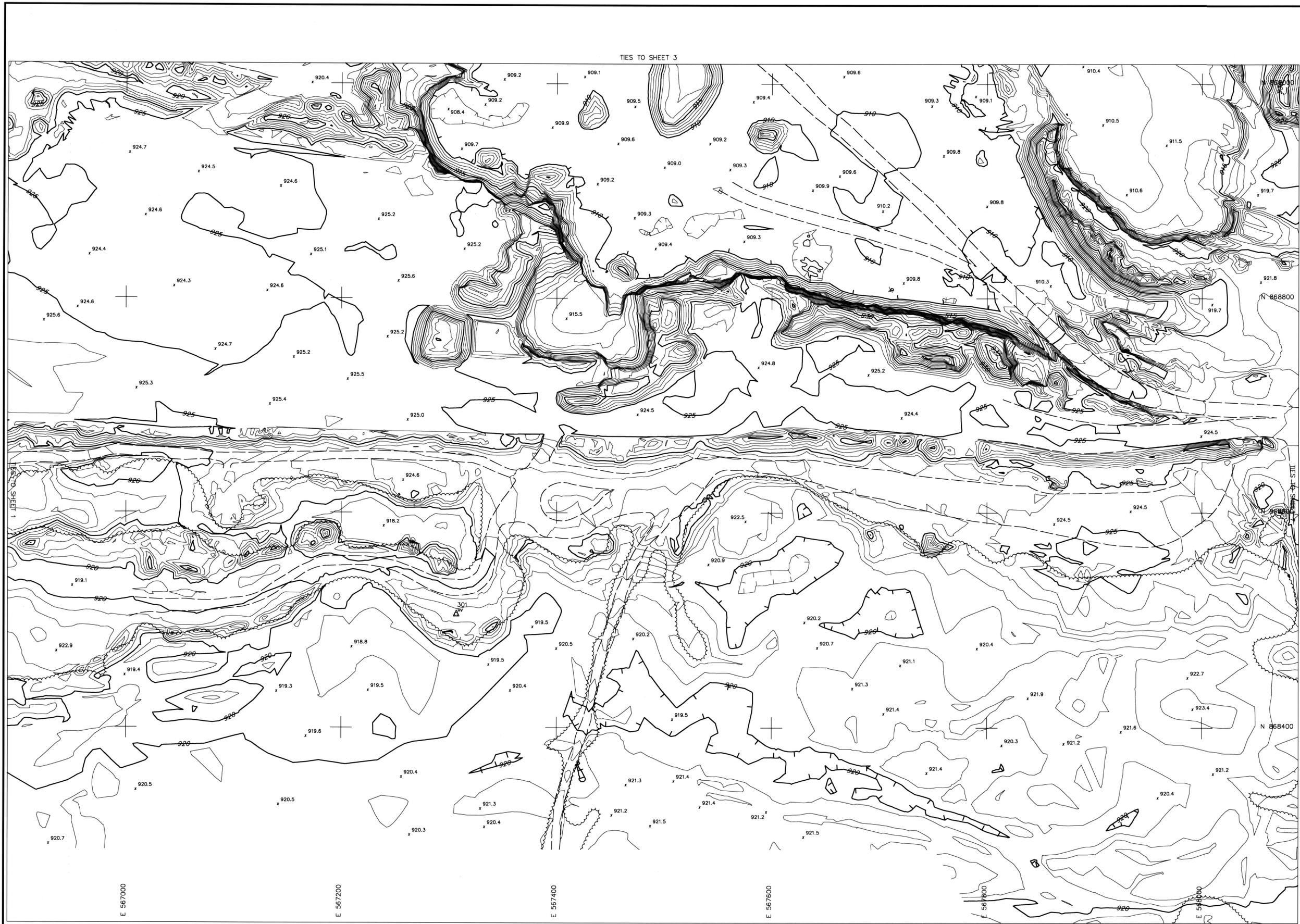
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILED AERIAL MAPPING
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:			REGISTERED LAND SURVEYOR
	DATE:		SHEET 4 OF 16



TIES TO SHEET 3

TIES TO SHEET 5

E 567000

E 567200

E 567400

E 567600

E 567800

E 568000

N 868800

N 868400

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

**MARICOPA COUNTY FLOOD  
CONTROL DISTRICT**

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
 VERTICAL-DATUM N A V D 1988  
 DATE OF PHOTOGRAPHY 4-24-2004  
 CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
 GROUND CONTROL SURVEY DATA PROVIDED  
 BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
300	PANEL	867622.9	568062.3	921.87

**INDEX MAP**

			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.	-	-	
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:	REGISTERED LAND SURVEYOR		SHEET 5 of 16



**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

**MARICOPA COUNTY FLOOD  
CONTROL DISTRICT**

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
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HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
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1"=40' HORIZONTAL SCALE  
 GROUND CONTROL SURVEY DATA PROVIDED  
 BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
	NONE			

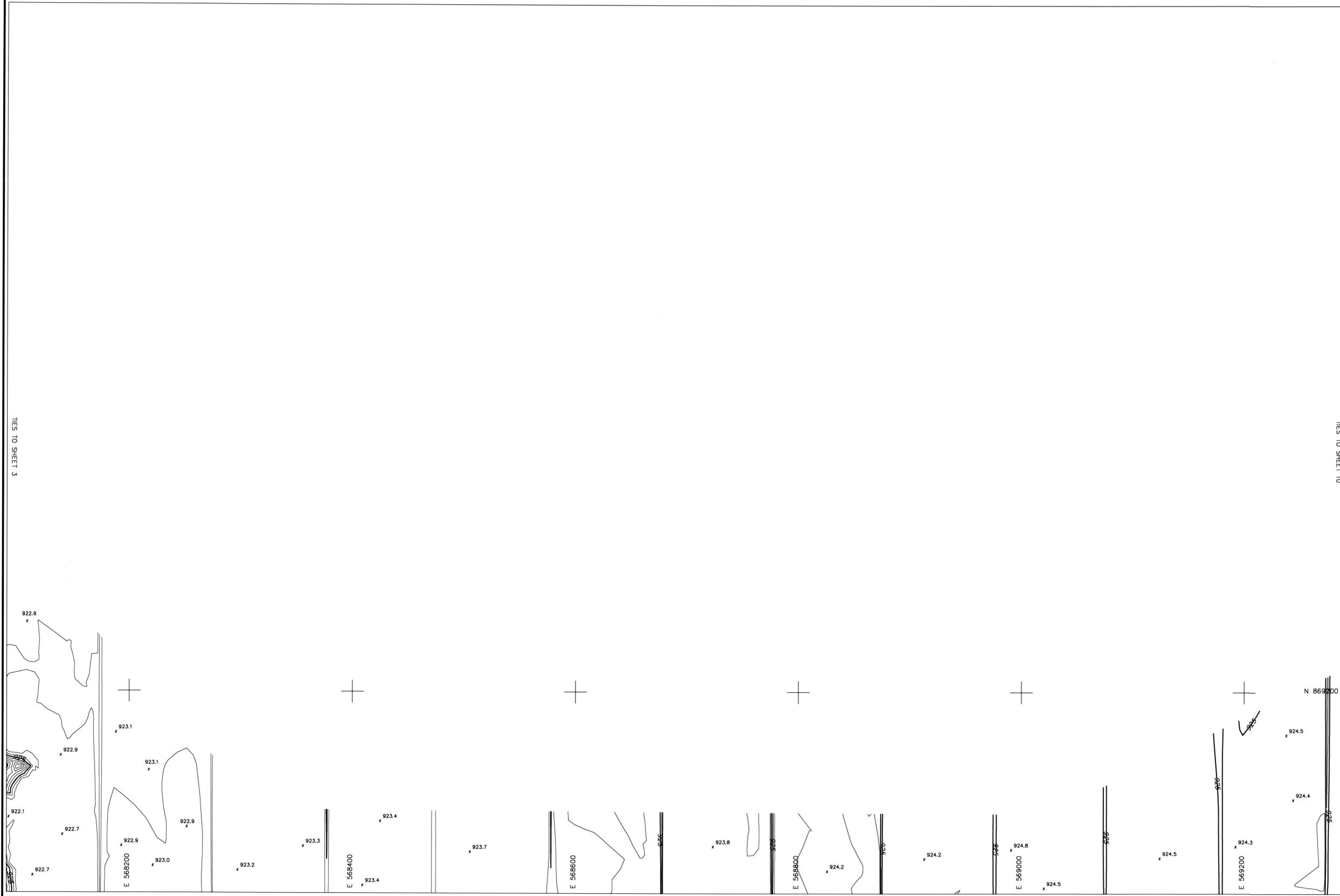
**INDEX MAP**

			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
 SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**



TIES TO SHEET 3

TIES TO SHEET 10

TIES TO SHEET 7

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.	-	-	
PLANS	-	-	RECOMMENDED BY: _____ DATE: _____
PLANS CHK.	-	-	APPROVED BY: _____ DATE: _____
SUBMITTED BY:	REGISTERED LAND SURVEYOR		DATE: _____
		SHEET	6 of 16

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

**MARICOPA COUNTY FLOOD  
CONTROL DISTRICT**

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/ DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
 VERTICAL-DATUM N A V D 1988  
 DATE OF PHOTOGRAPHY 4-24-2004  
 CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
 GROUND CONTROL SURVEY DATA PROVIDED  
 BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
	NDNE			

**INDEX MAP**

			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
 SCALE: 1"= 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.	-	-	
PLANS	RECOMMENDED BY:	DATE	
PLANS CHK.	APPROVED BY:	DATE	
SUBMITTED BY:	REGISTERED LAND SURVEYOR	SHEET	7 of 16



TIES TO SHEET 6

TIES TO SHEET 8

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

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1"=40' HORIZONTAL SCALE  
 GROUND CONTROL SURVEY DATA PROVIDED  
 BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
	NONE			

**INDEX MAP**

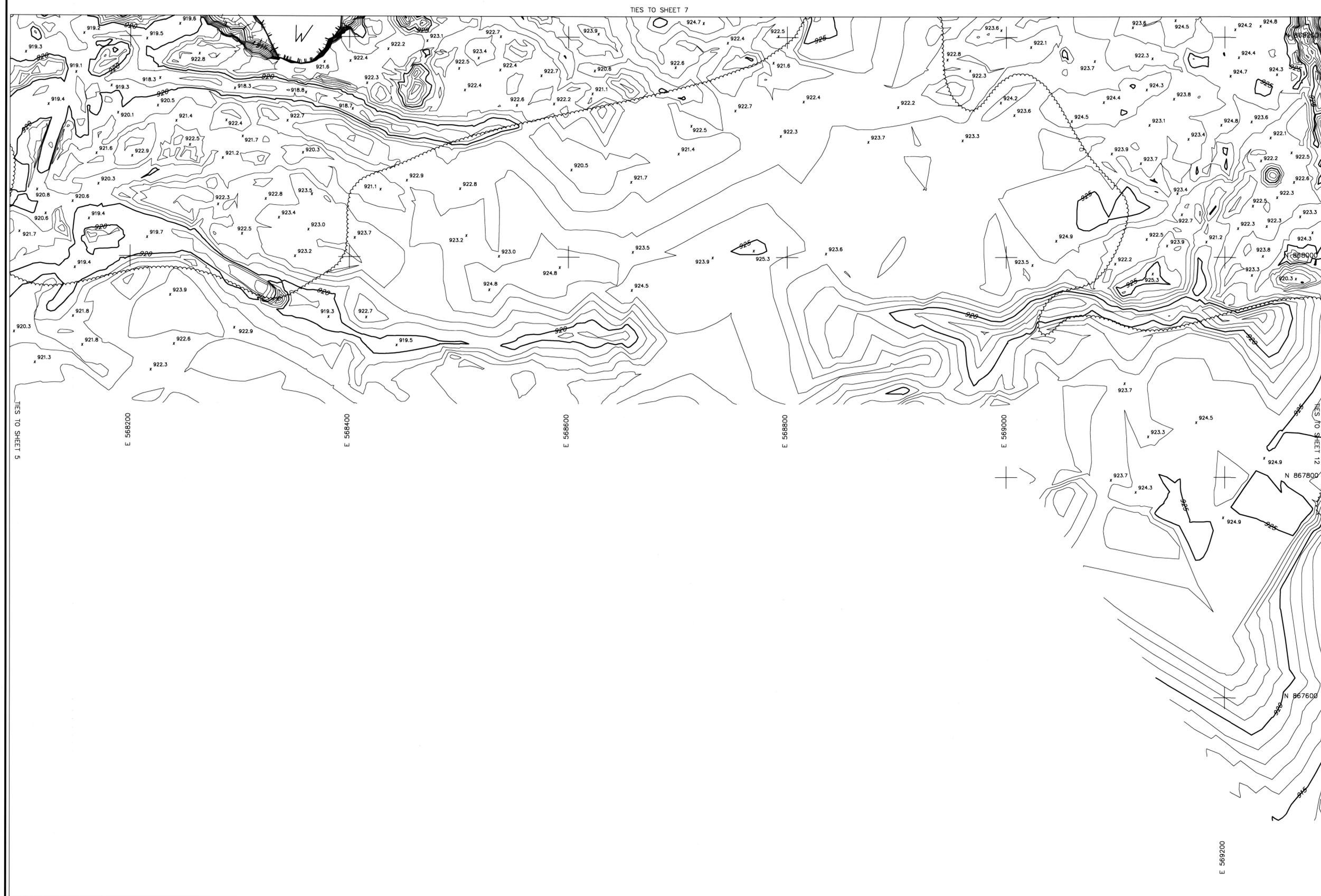
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
 SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILED AERIAL MAPPING
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:			REGISTERED LAND SURVEYOR
	DATE:		SHEET 8 OF 16



TIES TO SHEET 7

TIES TO SHEET 12

TIES TO SHEET 5

E 568200

E 568400

E 568600

E 568800

E 569000

E 569200

N 867600

N 867800

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/RAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
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-  BENCH MARK
-  GDAC CONTROL POINT
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1"=40' HORIZONTAL SCALE  
 GROUND CONTROL SURVEY DATA PROVIDED  
 BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
305	PANEL	870357.5	569528.3	927.93
306	PANEL	870351.8	570250.2	929.96

**INDEX MAP**

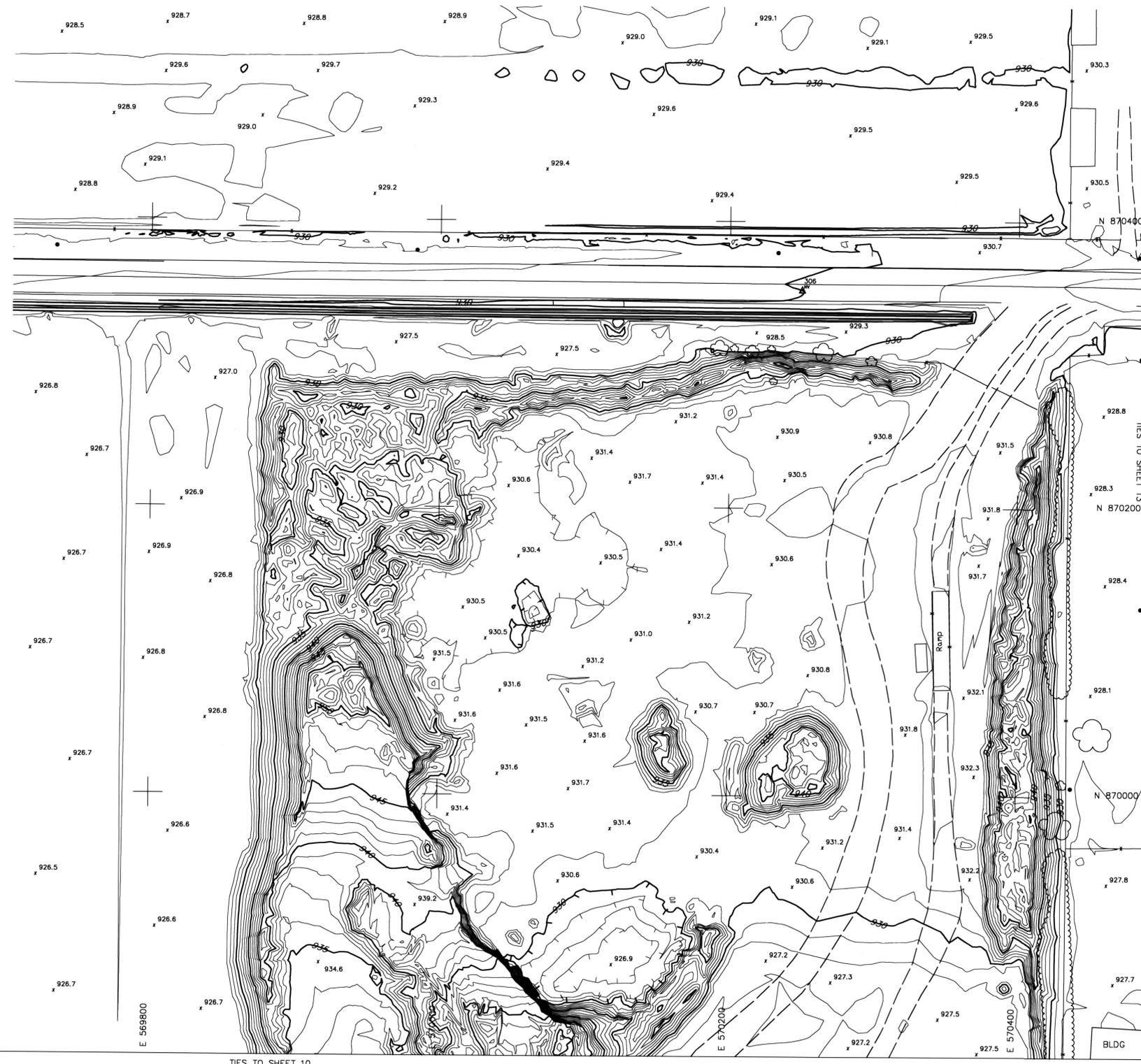
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
 SCALE: 1"= 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILS
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:			REGISTERED LAND SURVEYOR
	DATE:		SHEET 9 of 16



TIES TO SHEET 10

BLDG

305

TIES TO SHEET 13

N 870000

927.8

927.7

E 569800

E 570200

E 570400

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

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VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
309	BLIND PANEL	869652.10	570403.50	
310	PANEL	869286.50	569615.90	924.92

**INDEX MAP**

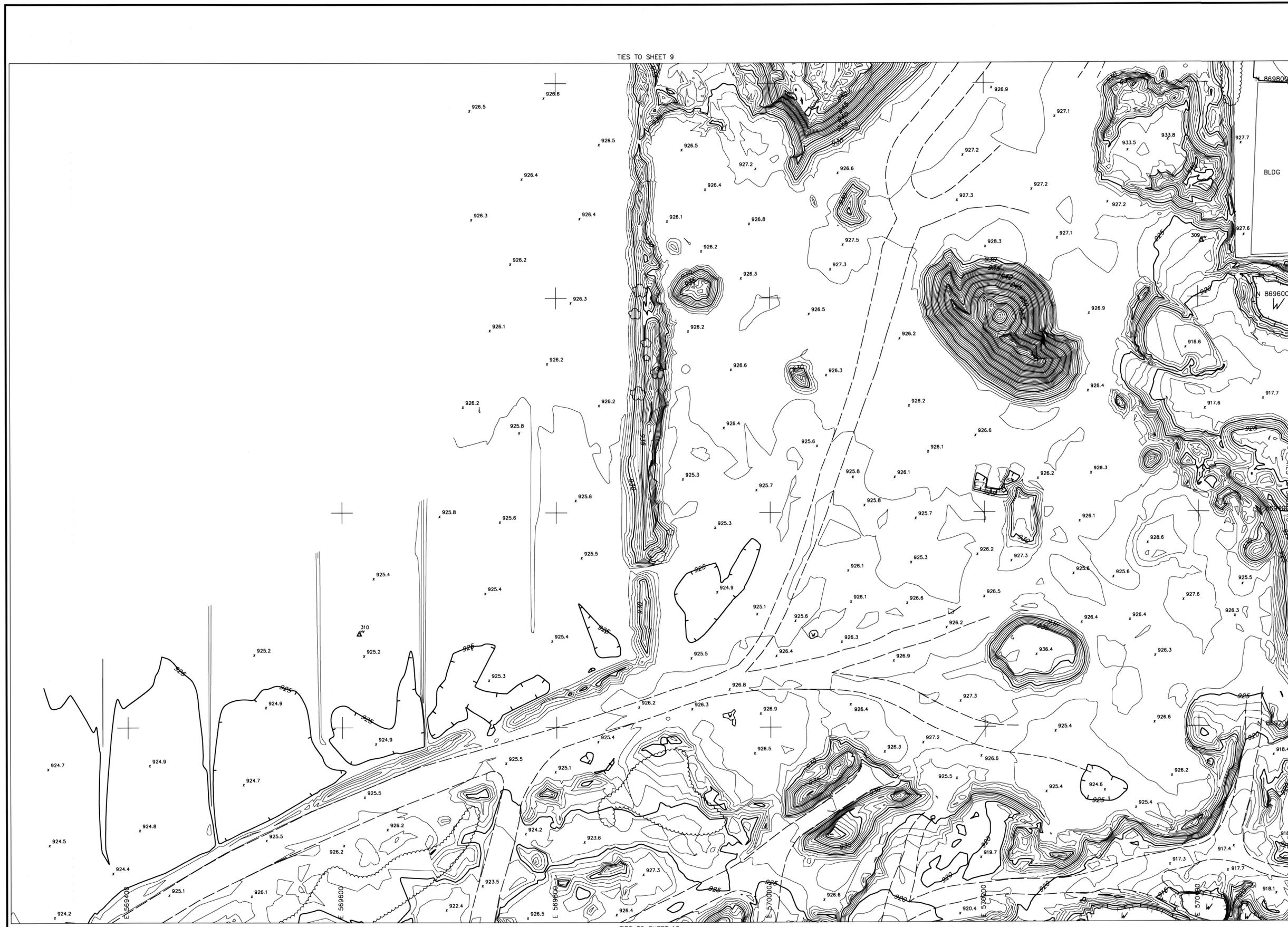
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
SCALE: 1"= 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.	--	--	RECOMMENDED BY: DATE
PLANS	--	--	APPROVED BY: DATE
PLANS CHK.	--	--	REGISTERED LAND SURVEYOR DATE
SUBMITTED BY:		DATE:	SHEET 10 of 16



**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

I, RICHARD T. WAAGE, A REGISTERED LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF ARIZONA, HEREBY CERTIFY THAT THIS MAP, BASED ON GROUND CONTROL AND FIELD CHECKS PERFORMED BY THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, COMPLIES WITH THE AMERICAN SOCIETY OF PHOTOGRAMMETRY AND REMOTE SENSING STANDARD FOR CLASS 1 MAPS.



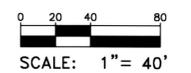
1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
	NONE			

**INDEX MAP**

			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.	-	-	
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:			REGISTERED LAND SURVEYOR SHEET 11 OF 16



TIES TO SHEET 10

TIES TO SHEET 12

N 869000

N 868800

N 868600

TIES TO SHEET 15

E 5696000

E 5698000

E 5702000

E 5704000

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

I, RICHARD T. WAAGE, A REGISTERED LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF ARIZONA, HEREBY CERTIFY THAT THIS MAP, BASED ON GROUND CONTROL AND FIELD CHECKS PERFORMED BY THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, COMPLIES WITH THE AMERICAN SOCIETY OF PHOTOGRAMMETRY AND REMOTE SENSING STANDARD FOR CLASS 1 MAPS.



1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
308	BLIND PANEL	867484.3	569515.7	

**INDEX MAP**

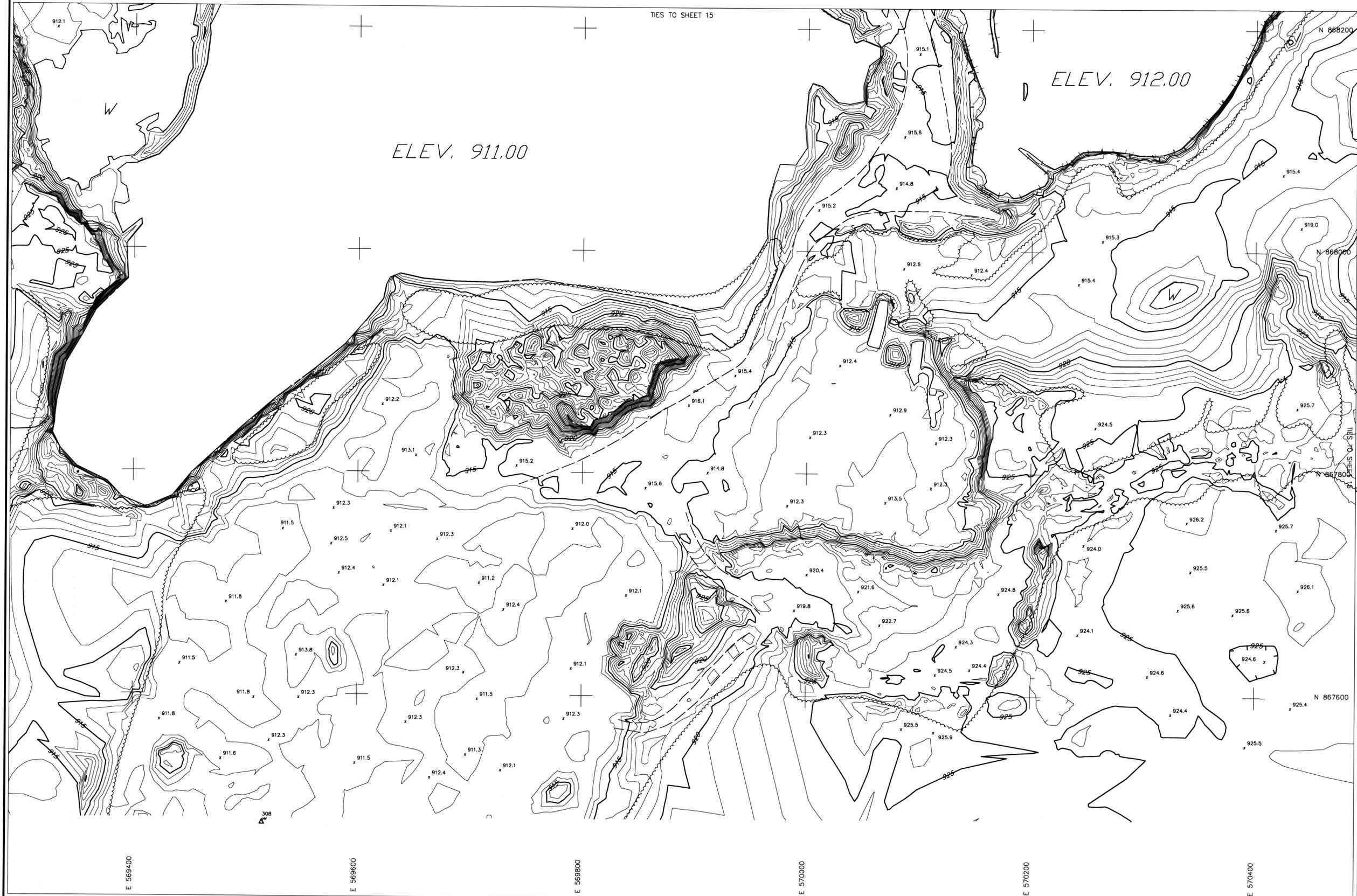
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
SCALE: 1" = 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DESIGNED BY
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:			REGISTERED LAND SURVEYOR
	DATE:		SHEET 12 of 16



DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

LEGEND

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
311	PANEL	870344.5	570403.5	932.72

INDEX MAP

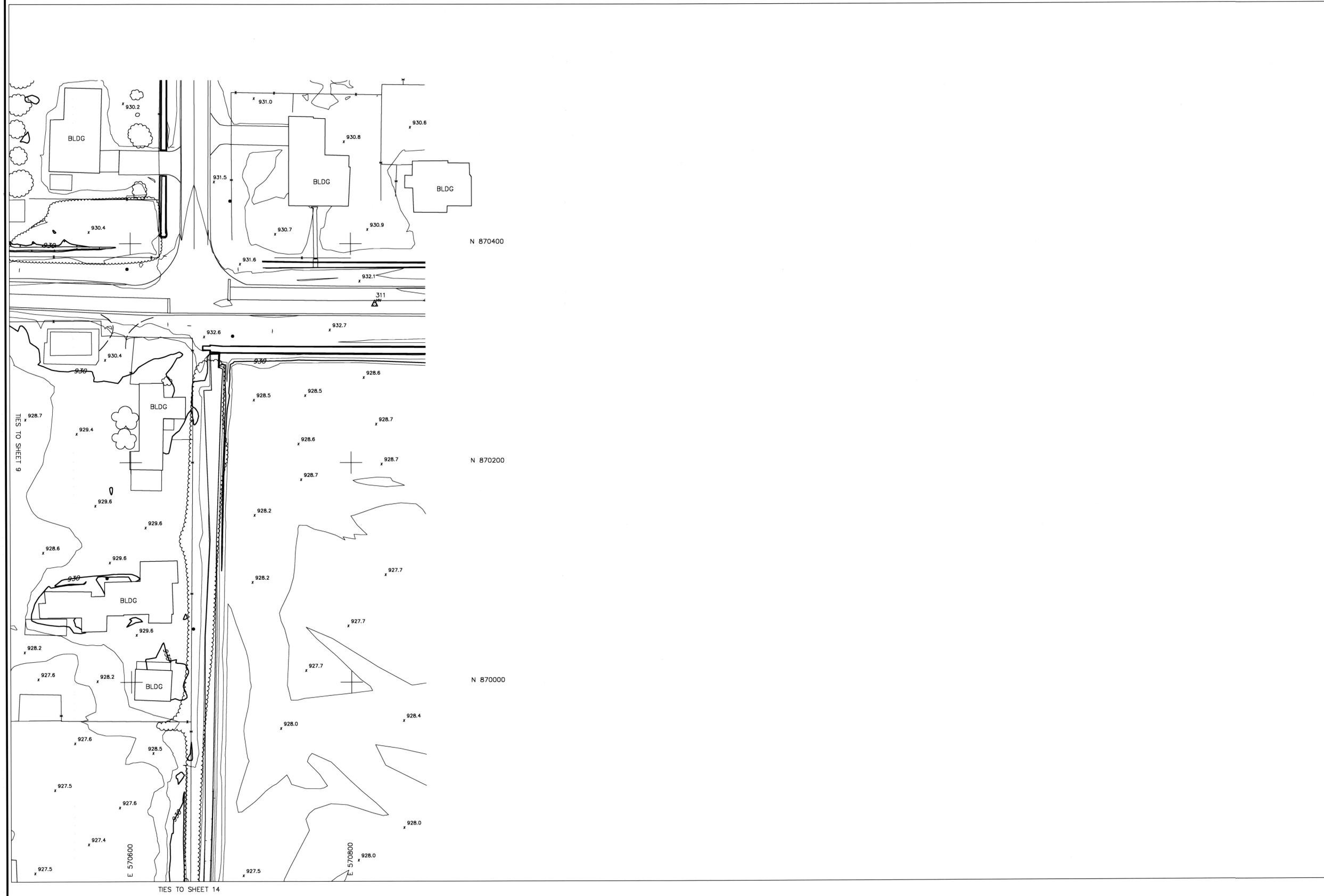
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
SCALE: 1" = 40'

TOPOGRAPHICAL MAP

DESIGN	BY	DATE	DETAILED AERIAL MAPPING
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:	-	-	REGISTERED LAND SURVEYOR
	DATE:	SHEET	13 of 16



TIES TO SHEET 14

TIES TO SHEET 9

**DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION**

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

**LEGEND**

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/ DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
307	PANEL	869180.4	571285	927.95

**INDEX MAP**

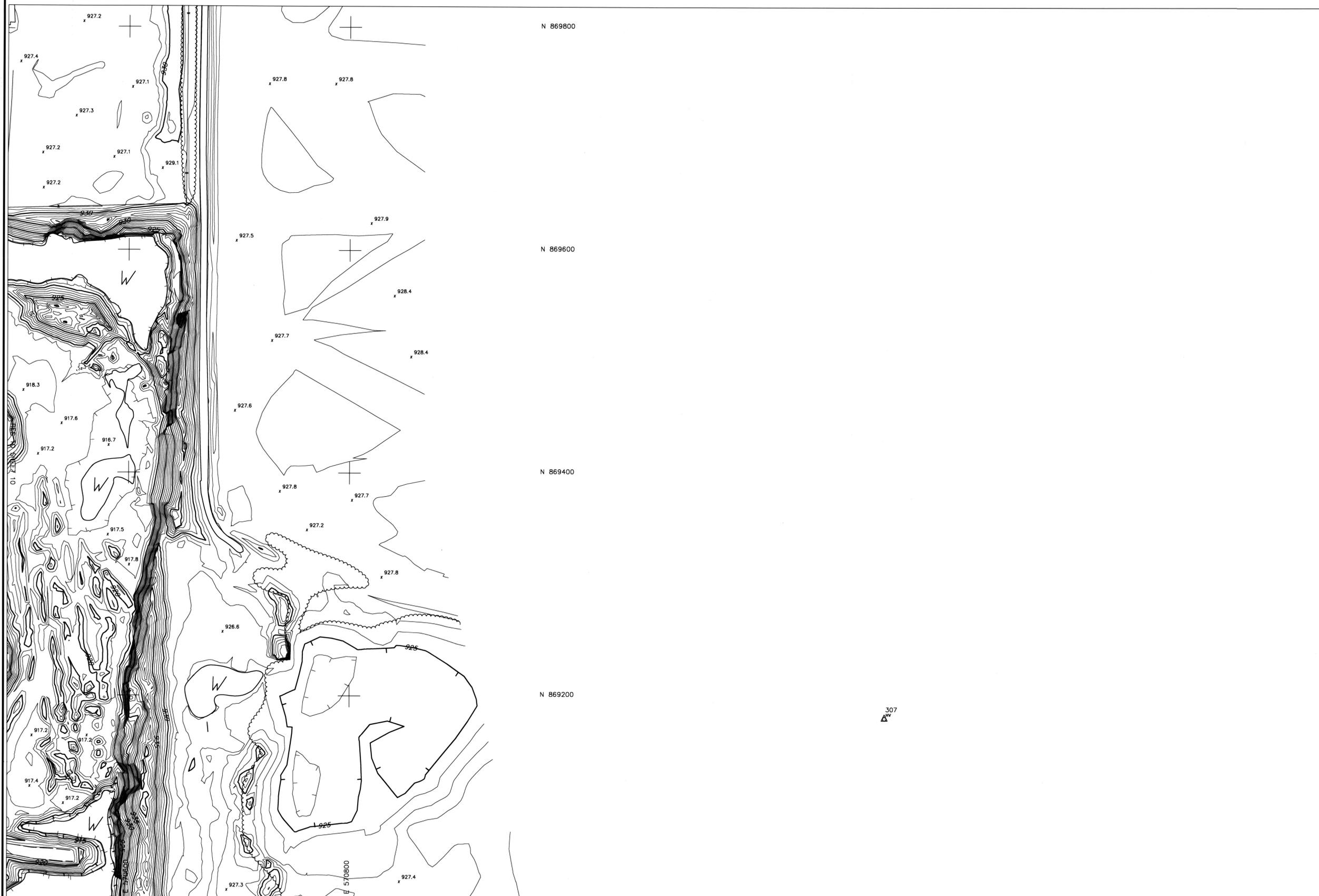
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
SCALE: 1"= 40'

**TOPOGRAPHICAL MAP**

DESIGN	BY	DATE	DETAILS
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: DATE
PLANS CHK.	-	-	APPROVED BY: DATE
SUBMITTED BY:	REGISTERED LAND SURVEYOR		SHEET 14 of 16
	DATE:		



TIES TO SHEET 15

DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

LEGEND

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
-  FENCE
-  ROAD-UNPAVED
-  BUILDING
-  UTILITY POLE
-  MISC-POLE
-  SIGN
-  BRASS CAP
-  BENCH MARK
-  GDAC CONTROL POINT
-  GRID-COORDINATE

HORIZONTAL-DATUM N A D 83-92, SPC Arizona Central Zone  
VERTICAL-DATUM N A V D 1988  
DATE OF PHOTOGRAPHY 4-24-2004  
CONTOUR INTERVAL 1 FT

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1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
	NONE			

INDEX MAP

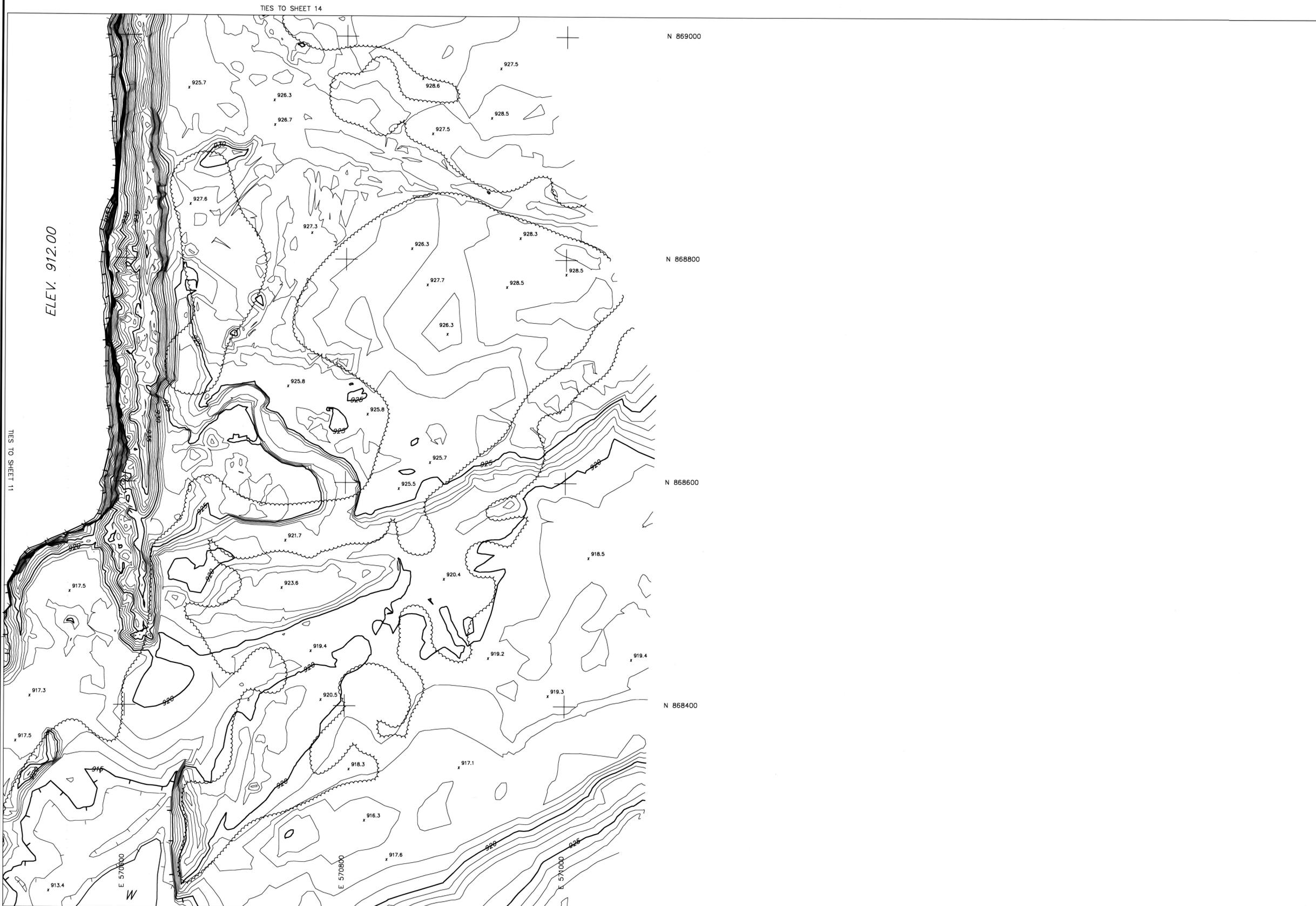
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



0 20 40 80  
SCALE: 1" = 40'

TOPOGRAPHICAL MAP

DESIGN	BY	DATE	DETAILED AERIAL MAPPING
DESIGN CHK.	-	-	OF RAVEN ROCK SAND & GRAVEL OPERATION
PLANS	-	-	RECOMMENDED BY: _____ DATE: _____
PLANS CHK.	-	-	APPROVED BY: _____ DATE: _____
SUBMITTED BY:			REGISTERED LAND SURVEYOR
	DATE:		SHEET 15 of 16



TIES TO SHEET 11

TIES TO SHEET 14

TIES TO SHEET 16

ELEV. 912.00

DETAILED AERIAL MAPPING  
OF RAVEN ROCK SAND &  
GRAVEL OPERATION

MARICOPA COUNTY FLOOD  
CONTROL DISTRICT

LEGEND

-  CONTROL POINTS
-  INDEX-CONTOUR
-  INTERMEDIATE-CONTOUR
-  WASH/DRAIN
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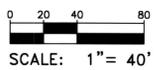
1"=40' HORIZONTAL SCALE  
GROUND CONTROL SURVEY DATA PROVIDED  
BY MARICOPA COUNTY FLOOD CONTROL DISTRICT

FCD Contract No. 2003C050 Assignment No. 2

POINT NO.	CONTROL NAME	Y	X	Z
312	PANEL	867662.9	570728.5	925.63

INDEX MAP

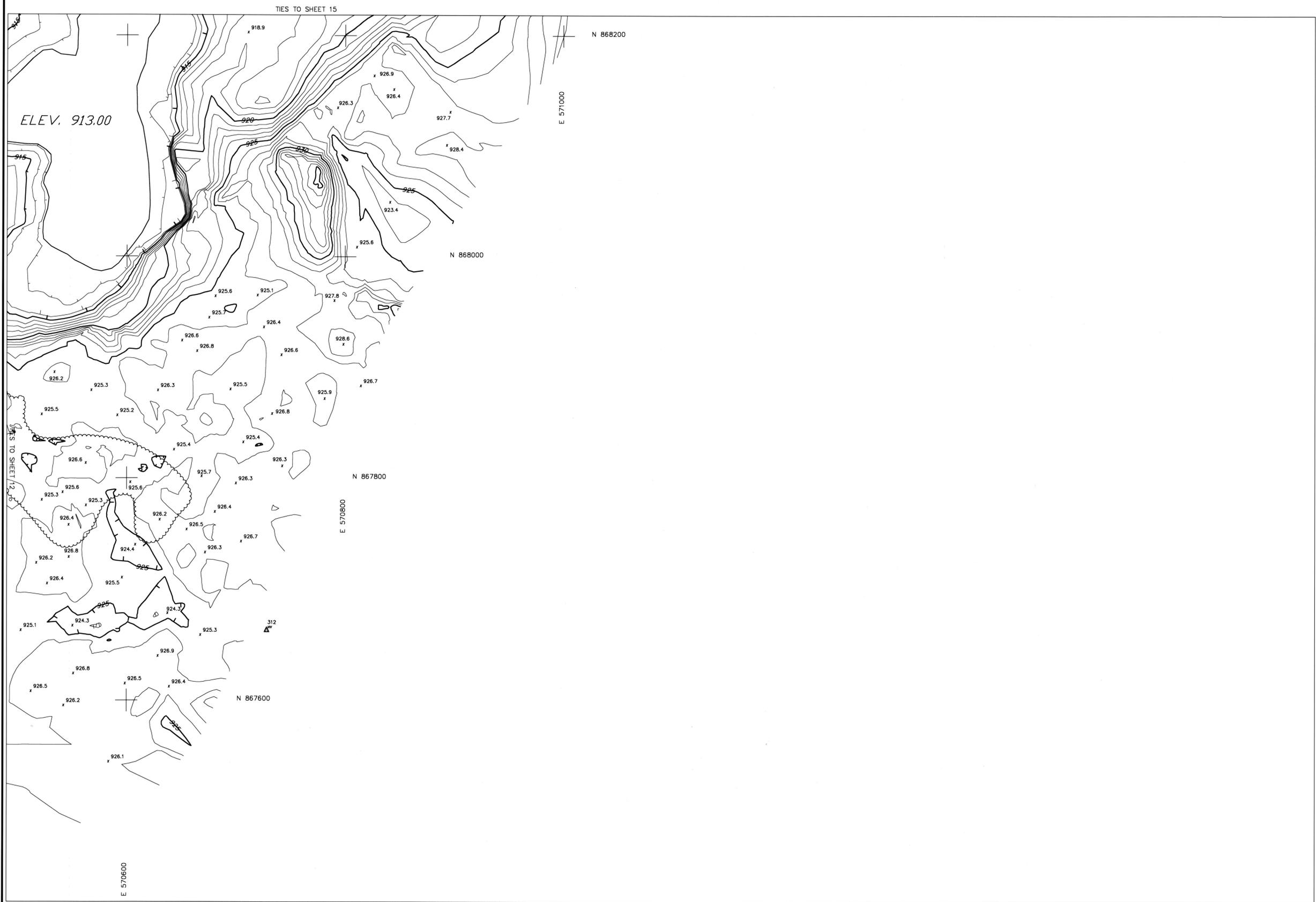
			9	13
2	3	6	10	14
1	4	7	11	15
	5	8	12	16



SCALE: 1" = 40'

TOPOGRAPHICAL MAP

DESIGN	BY	DATE	DETAILED AERIAL MAPPING OF RAVEN ROCK SAND & GRAVEL OPERATION
DESIGN CHK.	-	-	
PLANS	-	-	RECOMMENDED BY: _____ DATE: _____
PLANS CHK.	-	-	APPROVED BY: _____ DATE: _____
SUBMITTED BY:	REGISTERED LAND SURVEYOR	DATE: _____	SHEET 16 of 16



ELEV. 913.00

TIES TO SHEET 15

TIES TO SHEET 12

E 570600