



## **CONTACT INFORMATION**

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02/13/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: ABC SAND & ROCK

ALTERNATE NAMES:

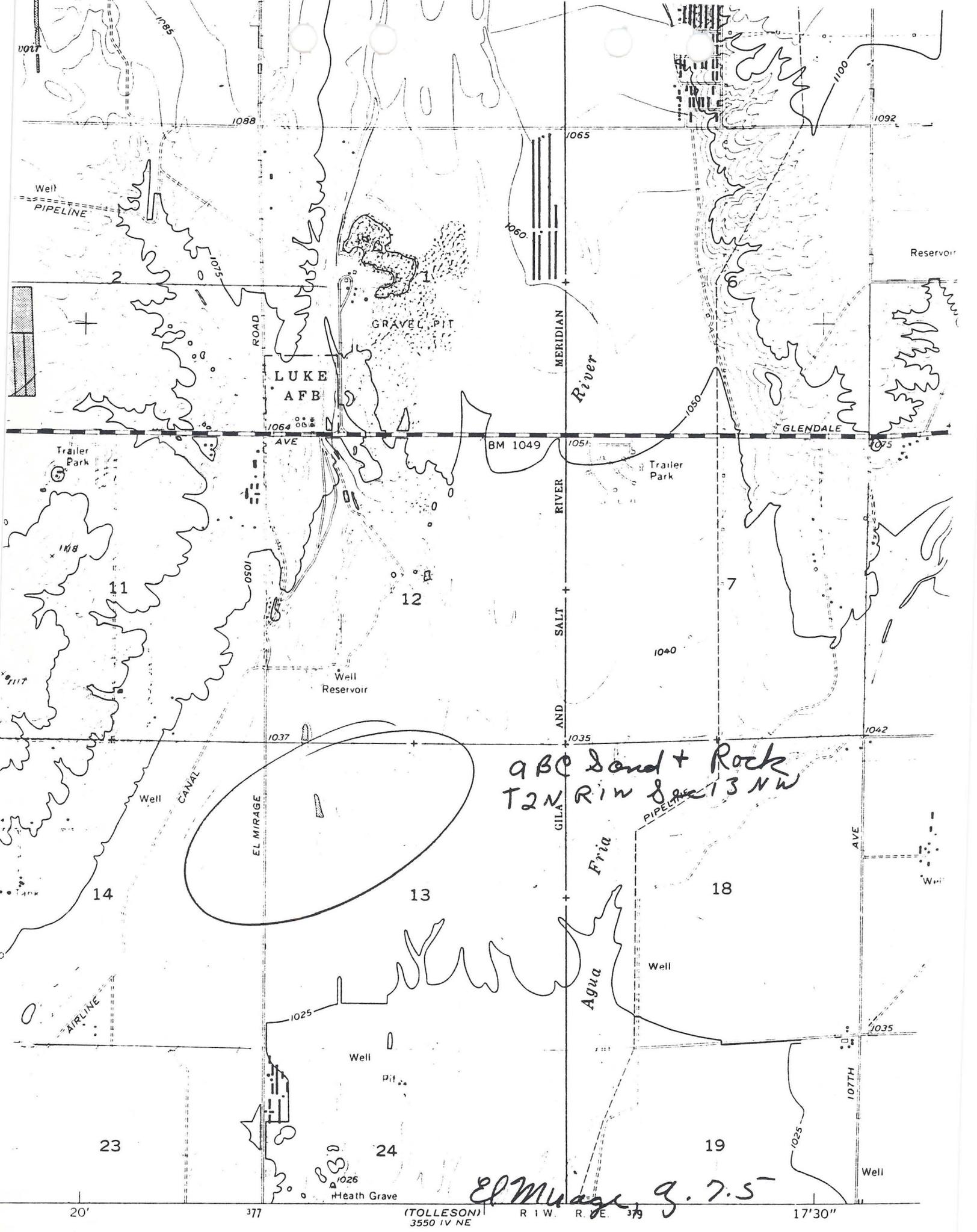
MARICOPA COUNTY MILS NUMBER: 688

LOCATION: TOWNSHIP 2 N RANGE 1 W SECTION 13 QUARTER NW  
LATITUDE: N DEG MIN SEC LONGITUDE: W DEG MIN SEC  
TOPO MAP NAME: EL MARIGE - 7.5 MIN

CURRENT STATUS: ~~UNKNOWN~~ *ACTIVE*

COMMODITY:  
SAND & GRAVEL

BIBLIOGRAPHY:  
ADMMR ABC SAND AND ROCK FILE



LUKE  
AFB

GRAVEL PIT

MERIDIAN  
River

EL MIRAGE

abc Sand + Rock  
T2N R1W Sec 13 NW

Fria  
Agua

El Mirage 9.75

Well

Pit

Heath Grave

(TOLLESON)  
3550 IV NE

R 1 W. R 1 E.

17'30"

ABC SAND AND ROCK

MARICOPA COUNTY

KAP WR 7/14/85: A visit was made to the ABC Sand and Rock deposit (f) Maricopa County. The purpose of the visit was to visually verify that the site contained a large percentage of sand sized particles as compared to gravel and cobbles before writing a letter to the Maricopa County Planning office regarding a proposed sand mine. Only a very few gravel and rock sized particles were noted.

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CASE - 284-212

NARRATIVE REPORT

SAND AND GRAVEL EXTRACTION

Agua Fria River  
North of Camelback Road  
Maricopa County, Arizona

Prepared by Applicant:

A.B.C. Sand and Rock  
1804 North 27th Avenue  
Phoenix, Arizona 85009

Date: 12/10/84  
Revised: 1/25/85  
4/10/85

### PURPOSE OF REQUEST

The proposed project is located on the west bank of the Agua Fria River bed, approximately 1320 feet north of Camelback Road. This site is the northwest quarter of the southeast quarter of Section 13, Township 2N, Range 1W in Maricopa County, Arizona. This 40 acre parcel was selected due to the high quality of aggregate material available, as well as its excellent proximity to the community.

### DESCRIPTION OF PROPOSAL

Aggregate mining will take place in the Agua Fria River flood way. It is anticipated that raw material will be excavated and hauled to the plant site by front end loaders. Mining excavations will not exceed an ultimate depth of 40 feet. A detailed plan of development is included in this proposal. There will be no storage of equipment or stockpile of material that would cause any diversion of flow within the channel. Large reject material that will be left after processing of the excavated gravel and aggregates will be used to line the river banks and reclaim excavated pits.

This operation will be a wet process involving washing and screening of aggregate materials. It will be a small operation, probably employing two people. It is anticipated that there will be no crusher, only one 3-deck, wet screening plant. Included will be a feeder to introduce the raw material into the plant and a sand screw with a conveyor belt arrangement that will transfer processed materials from the screening plant to the stockpiles. The screening plant will be placed at a height of approximately 12 feet, and the height of stockpiles is not expected to exceed 25 feet. All of the equipment necessary for this operation is portable.

On site facilities will include a 5000 gallon storage tank for diesel fuel that will be anchored underground to serve the equipment necessary for operations. It is anticipated that there will also be a covered concrete slab to facilitate repairs. In addition, an office trailer will be placed on site to serve as an operations center and scale house. There will be an uncovered 25' scale adjacent to the office. The entire yard area and office will be enclosed by a six foot chain link fence.

Parking will be provided for the equipment and trucks that will be operating on the site. There will also be employee parking provided within the plant site area. There will be a maximum of 3 employees on site. The parking layout shown is for the maximum number of units expected. It is anticipated that there will be approximately 20 vehicle trips per day.

#### RELATIONSHIP TO SURROUNDING PROPERTY

In relation to the subject property, the parcels to the east and the north are owned by the State of Arizona and controlled by the State Land Department. The parcel to the south is owned by the United States of America and controlled by the Bureau of Land Management. The parcel bordering the subject property to the west is owned by River Ranch Inc. The subject parcel was obtained from River Ranch with the knowledge and support of its proposed use as a sand and gravel site.

#### LOCATION AND ACCESSABILITY

The proposed project is located along the west bank of the Agua Fria River, approximately 1320 feet north of Camelback Road. It is proposed that access will be provided by an improved 24 foot aggregate roadway within a 30 foot dedicated private easement. This roadway and approach onto Camelback Road

was constructed in concert with Maricopa County engineer and presently meets or exceeds all Maricopa Country Highway Department requirements. This private access road, as well as roadways designed to control internal traffic, will be maintained and dust proofed by the developer.

#### PLAN OF DEVELOPMENT

The attached cut and grade plan shows a detailed excavation sequence that will be employed on the project. It indicates that excavation will begin in the main channel of the river at the downstream perimeter of the area proposed for aggregate mining. As already determined by review of the Maricopa County Flood Control District, the slope from the upstream property lines will not exceed 10% and the slope from the downstream property lines will not exceed 5%. The excavation will proceed in the manner and sequence designated on the cut and grade plan. As the channel is excavated southeasterly, the east bank will be sloped at approximately 5 to 1.

There are existing major transmission towers adjacent to the subject property that are operated by Salt River Project and Tucson Electric Power. A setback radius of 100 feet has been specified on the cut and grade plan. As these transmission towers are not on the subject parcel, these provisions place excavations well away from these power lines.

This special use permit is being requested for a period of 20 years. At that time the developer expects to ask for a 20 year extension to proceed with the present plan of development.

#### PUBLIC UTILITIES AND SERVICES

Water to be used on site for operations and dust control will be provided by a

proposed well to be drilled on the subject property (permit #55-509065). Domestic water will be supplied by commercial bottled water deliveries. A septic tank and/or seepage pits will provide for sanitary facilities. Solid waste disposal will be supplied by a commercial waste management hauler.

Electric service will be provided by Arizona Public Service. Telephone service is from Mountain Bell. Gas service will not be required. Fire protection will be provided by the Rural Metro Fire Department and police protection by the Maricopa County Sheriff's Department.

#### ADDITIONAL DATA

The developer will provide access roads from the excavation area to the plant processing facility. These roads will be maintained by the developer. Dust will be controlled throughout the operation.

Outdoor lighting is proposed for security reasons, only at the site. This lighting will be low intensity and will be directed toward the interior of the subject parcel. It is the intent of the developer to provide lighting that will not reflect on or effect adjacent properties and comply with Maricopa County Zoning Ordinance 2318.

This will be a small sand and gravel plant operating one 3-deck screen and employing 2 or 3 full time people. The material will be processed on site and sold to commercial haulers for delivery throughout the Phoenix metropolitan area. Expected hours of operations are from approximately 6:30 AM to 4:30 PM, Monday through Saturday. It is not anticipated that operations will be extended to 24 hours.

## AGREEMENT

This Agreement is entered into between TUCSON ELECTIRC POWER COMPANY ("Tucson") and A.B.C. ENTERPRISES (A.B.C.) on this 15<sup>th</sup> day of MARCH, 1985.

### WITNESSETH:

WHEREAS, Tucson is the holder of a three hundred thirty (330) foot width transmission easement in the Northwest Quarter of the Southeast Quarter of Section 13, Township 2 North, Range 1 West, recorded in Book 10308 at Pages 60 through 62, office of the Maricopa County Recorder, Maricopa County, Arizona.

WHEREAS, A.B.C. is in the business of excavation of sand and gravel and desires to conduct excavation of sand and gravel from Tucson's three hundred thirty foot width transmission easement in the Northwest Quarter of the Southeast Quarter of Section 13, Township 2 North, Range 1 West, recorded in Book 10308 at Pages 60 through 62, Office of the Maricopa County Recorder, Maricopa County, Arizona.

NOW, THEREFORE, in consideration of the mutual covenants, agreements and conditions, the parties do hereby agree as follows:

1. A.B.C. shall excavate sand and gravel from Tucson's three hundred thirty foot width transmission easement hereinbefore described, provided however that:
  - a. The excavation shall not prohibit Tucson from vehicular travel upon, along and within the said three hundred thirty foot width Right of Way crossing the Northwest Quarter of the Southeast Quarter of Section 13, Township 2 North, Range 1 West, Maricopa County, Arizona, depicted in Exhibit "A" incorporated herein by reference.
  - b. No stockpiling or accumulation of materials shall occur beneath any of Tucson's transmission lines.
2. A.B.C. agrees to indemnify Tucson, its directors, officers, employees and agents from any and all liability, loss or damage, including damage to Tucson's property, Tucson, its directors, officers, employees and agents may suffer as a result of any claim, demand, cost or judgment against it arising out of or in any way connected with A.B.C.'s performance of this Agreement, or the performance of any subcontract by a subcontractor of A.B.C. even though the liability, loss or damage may have been contributed to by any act, omission or negligence of Tucson, its directors, officers, employees and agents, was not the sole cause of such liability, loss or damage.

IN WITNESS WHEREOF, this Agreement is executed as of the date first written above.

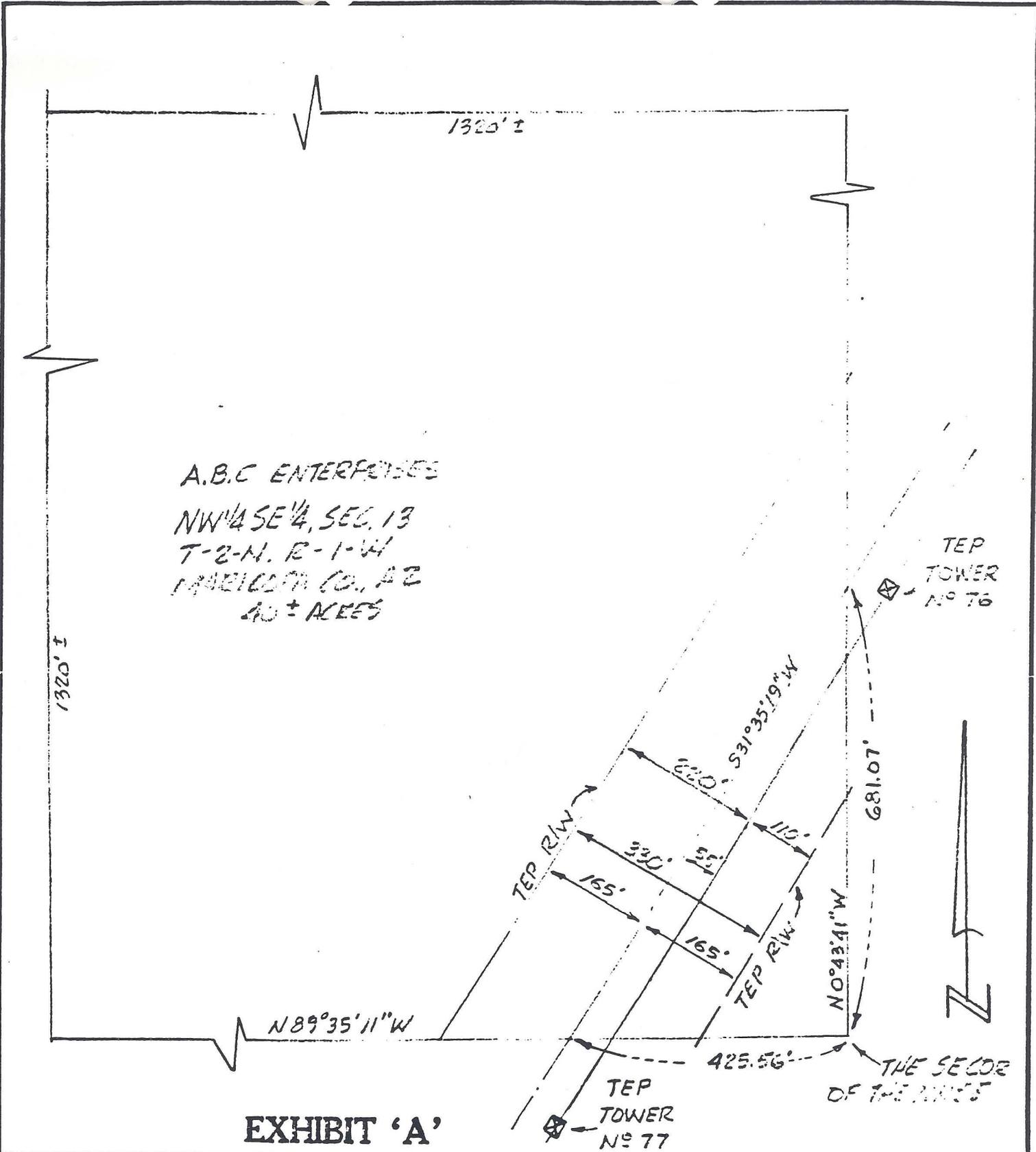
TUCSON ELECTRIC POWER COMPANY

BY: Sam G. Minter  
Sam G. Minter,  
Vice President

A.B.C. ENTERPRISES

BY: [Signature]  
Title MAN

ABC ENTERPRISES  
1804 NO. 27th AVE.  
PHOENIX, AZ 85009



A.B.C. ENTERPRISES  
 NW 1/4 SE 1/4, SEC. 13  
 T-2-N. R-1-W  
 MARICOPA CO., AZ  
 40 ± ACRES

**EXHIBIT 'A'**



**Tucson Electric Power Company**

TUCSON, ARIZONA

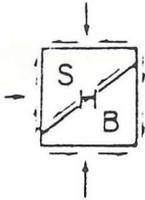
TITLE: PLAT SHOWING LOCATION OF THE 330' WIDTH TEP RIGHT OF WAY CROSSING THE NW 1/4 SE 1/4, SECTION 13, T-2-N, R-1-W, MARICOPA COUNTY, ARIZONA

CBI \_\_\_\_\_  
 WO \_\_\_\_\_  
 SCALE 1" = 200'  
 DPTSM MS DATE 3-15-85  
 CHKD \_\_\_\_\_ DATE \_\_\_\_\_  
 ENG APP \_\_\_\_\_ DATE \_\_\_\_\_  
 ENG SUPV APP \_\_\_\_\_ DATE \_\_\_\_\_  
 ENG MGR APP \_\_\_\_\_ DATE \_\_\_\_\_

T	R	S	Q
			1
STA #	CODE	FILE #	
SHEET _____		OF _____	







# SERGEANT, HAUSKINS & BECKWITH

CONSULTING GEOTECHNICAL ENGINEERS

APPLIED SOIL MECHANICS • ENGINEERING GEOLOGY • MATERIALS ENGINEERING • HYDROLOGY  
B. DWANE SERGENT, P.E. JOHN B. HAUSKINS, P.E. GEORGE H. BECKWITH, P.E. ROBERT D. BOOTH, P.E.  
LAWRENCE A. HANSEN, P.H.D., P.E. DALE V. BECKENKOPF, P.E. ROBERT W. CROSSKEY, P.E. NORMAN H. WETZ, P.E.  
RALPHE WEEKS, P.G. DONALD L. CURRAN, P.E. DONALD G. METZGER, P.G. ROBERT L. FREW  
CARROLL BUFFINGTON, P.E. DAVID DEATHERAGE, P.E. JONATHAN A. CRYSTAL, P.E. ALLAN G. OWEN, P.E.  
DONALD VAN BUSKIRK, P.G.

June 6, 1985

A.B.C. Enterprises  
1804 North 27th Avenue  
Phoenix, Arizona 85009

Attention: Mr. David J. Waltemath

Re: W.O. No. 68104  
Camelback Bridge Approaches

Dear David,

This letter is in response to your letter dated June 6, 1985 regarding the quality and usability of materials from your pit at 119th Avenue and Camelback Road. Sampling of your pit was accomplished and tests required to meet the Uniform Standard Specifications for Public Works Construction were performed in our laboratory. Results were analyzed and compared to the specifications for the project and approved and accepted by the project engineer of PRC Engineering. The material was then incorporated in the building of the bridge approaches.

Also, if you recall, your pit contains some excellent materials for a natural select material. It has many different construction applications and I would devote efforts to developing these materials.

If we may be of further service to you, please do not hesitate to call.

Respectfully submitted,  
Sergent, Hauskins & Beckwith Engineers

By Raymond R. Shoemaker  
Raymond R. Shoemaker  
Project Geotechnical Management Specialist

Copies: Addressee (1)

REPLY TO: 3940 W. CLARENDON, PHOENIX, ARIZONA 85019

PHOENIX  
(602) 272-6848

ALBUQUERQUE  
(505) 884-0950

SANTA FE  
(505) 471-7836

SALT LAKE CITY  
(801) 566-5411

EL PASO  
(915) 778-3369



SOURCE WW Korrow Pit  
 MATERIAL On-Trade Blend

W/O \_\_\_\_\_  
 LAB NO. 4-3019-8  
 DATE DUE 1-10-85

- SOIL
- #200 ONLY

AGGREGATE

L.A. ABRASION  
 GRADING \_\_\_\_\_  
 REV. \_\_\_\_\_  
 LOSS \_\_\_\_\_ %

F.M.

MOISTURE:  
 % = \_\_\_\_\_

SIEVE	WT. RET.	% RET.	% PASS.	SPECS.
3"				
2"	0		100	
1 1/2"	106	1	99	
1"	728	4	95	
3/4"	331	2	93	
1/2"	213	1	92	
3/8"	301	2	90	
1/4", #3	472	3	87	
#4	295	2	86	
RET.#4		2446	WBW(W)	454
PASS#4W		15,807	WBW(D)	424
PASS#4D		14,762	WAW	382
TOTAL			ELUT.	
		18253		
#8	382		85	
#10	365		81	
#16	358		76	
#30	331		61	
#40	259		47	
#50	200		36	
#100	136		32	
#200	117		2.3	
-#200	4			
TOTAL				

CLAY COATING →

PLASTICITY INDEX  
 L.L. \_\_\_\_\_  
 P.L. \_\_\_\_\_  
 P.I. \_\_\_\_\_  
 13,743  
 2064

7.67547

-10 + 200 = 71.770

Performed By J. H.  
 Date 1-10-85  
 Calculated By \_\_\_\_\_  
 Checked By \_\_\_\_\_

PROJECT Cornelback Rd. Bridge approaches

LAB NO.	8					
<u>LIQUID LIMIT</u>	NP					
EST. TAPS						
CONTAINER	#	#	#	#	#	#
WET WT. AND CONT.						
DRY WT. AND CONT.						
WT. WATER	=	=	=	=	=	=
DRY WT. AND CONT.						
WT. CONT.						
WT. DRY SOIL	=	=	=	=	=	=
$\frac{WT. WATER \times 100}{WT. DRY SOIL}$	= NP	=	=	=	=	=
<u>PLASTIC LIMIT</u>						
CONTAINER	#	#	#	#	#	#
WET WT. AND CONT.						
DRY WT. AND CONT.						
WT. WATER	=	=	=	=	=	=
DRY WT. AND CONT.						
WT. CONT.						
WT. DRY SOIL	=	=	=	=	=	=
$\frac{WT. WATER \times 100}{WT. DRY SOIL}$	= NP	=	=	=	=	=
L.L. - P.L. = P.I.	NP					
TECH. & DATE	JA 1-10-85					

Conversion Table

22 = .985    24 = .995    26 = 1.005    28 = 1.014  
 23 = .990    25 = 1.000    27 = 1.009



PROJECT Cornell Rd. Bridge Approaches

LAB NO. 4-3019-8

SAMPLE On-Grade Blend NW Borrow Pit

DATE \_\_\_\_\_

TEST DESIGNATION D698 METHOD A  B  C  OR D

CURVE G

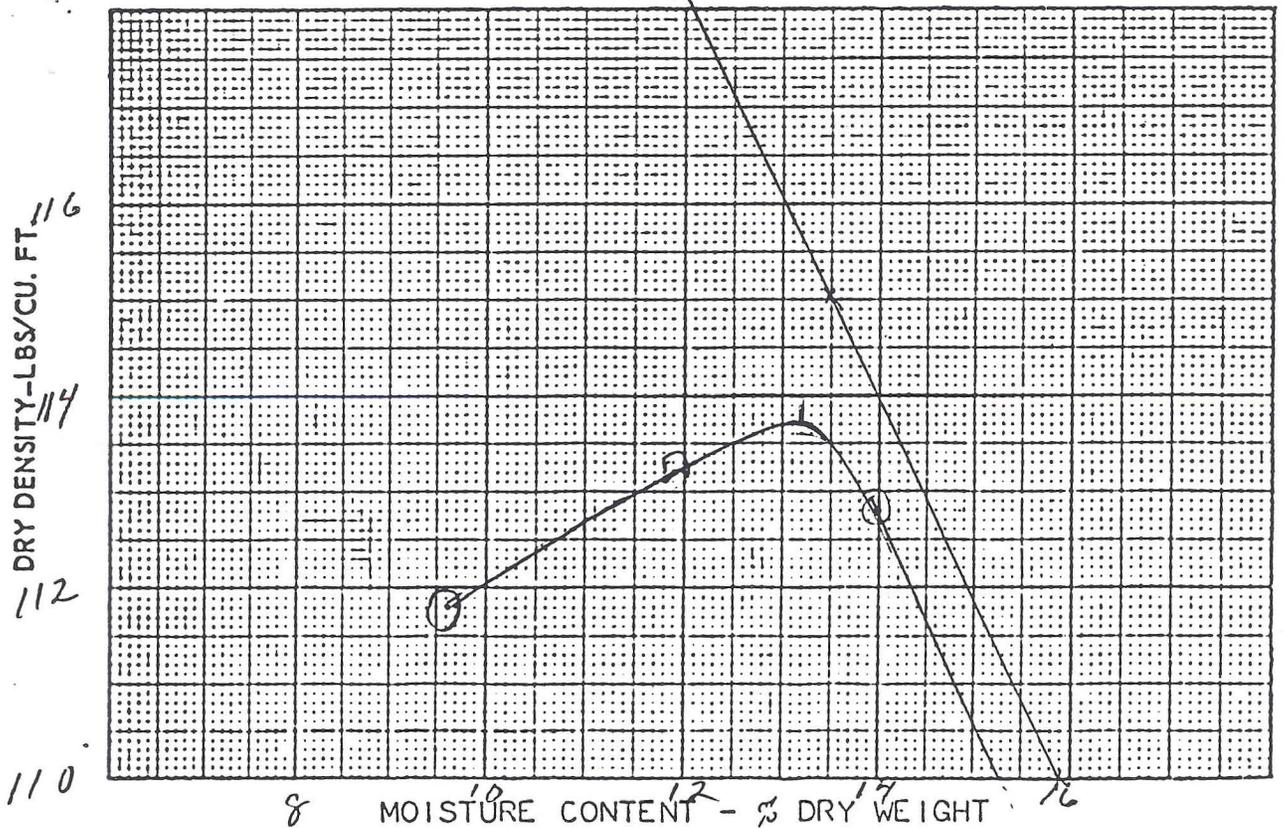
MAXIMUM DENSITY 113.7 PCF WITH ROCK CORRECTION

OPTIMUM MOISTURE 13.2 % WITH ROCK CORRECTION

PCF

TRIAL NUMBER	1	2	3	4	5	6	7
WATER (EST %)		<u>FREE WATER</u>					
WATER (C.C.)	<u>200</u>	<u>300</u>	<u>100</u>				
WT. SAMPLE + MOLD (GMS)	<u>11180</u>	<u>11245</u>	<u>11038</u>				
WT. MOLD (GMS)		<u>6870</u>					
WT. WET SAMPLE (GMS)	<u>4310</u>	<u>4375</u>	<u>4168</u>				
WT. WET SAMPLE (LB)							
WET DENSITY (PCF)	<u>126.7</u>	<u>128.6</u>	<u>122.5</u>				
MOISTURE SAMPLE (WET)	<u>999</u>	<u>1200</u>	<u>1250</u>				
MOISTURE SAMPLE (DRY)	<u>293</u>	<u>1053</u>	<u>1141</u>				
WT. MOISTURE (GMS)							
MOISTURE (%)	<u>11.9</u>	<u>14.0</u>	<u>9.6</u>				
DRY DENSITY (PCF)	<u>113.2</u>	<u>112.8</u>	<u>117.8</u>				

SP. GR. = 2.45



+ #4 =  
- #4 =

DATE: 1-9-85  
CALC. BY: C.B.  
CHECKED BY: \_\_\_\_\_

PROJECT ENGINEER DVB  
 WORK ASSIGNED BY RRS  
 DATE WORK ASSIGNED 11-19-84  
 TARGET DATE FOR COMPLETION 11-26-84

WORK ORDER FOR SOIL & FOUNDATION INVESTIGATION SAMPLES

WO # 1

PROJECT Camelback Rd. Bridge Approaches (SOIL)

Tab. Date 11-19-84

Job No. FG-84-3019

LAB NO.	ENTERED NOV 20 1984 BORING NO. AND DEPTH SAMPLED	TYPE OF SAMPLE	SIEVE ANALYSIS (SA)	PLASTICITY INDEX (PI)	MOISTURE CONTENT	DENSITY	CONSOLIDATION		DIRECT SHEAR			EXPANSION/SURCHARGE @	EXPANSION CURVE DESIGNATION	HYDROMETER	PERMEABILITY	MOISTURE-DENSITY CALCULATIONS					
							MAXIMUM LOAD	SATURATE @	CURVE DESIGNATION	NUMBER OF POINTS	SATURATE OR IN SITU					NORMAL FORCES	OTHER	WET WEIGHT (GMS.)	DRY WEIGHT (GMS.)	PERCENT MOISTURE	DENSITY (PCF)
1	#1 SAMPLE STA. 5+00 - 0'-1" SILTY SAND, SANDY SILT. SOME GRAVEL.	X	X	X												NOV 20 1984 PHYSICAL LAB 11-20-84					
2	#2 STA. 24+00 - 0'-1" SILTY SAND, SOME GRAVEL.	X	X	X																	
3	#3 STA. 92+50 - 1'-2" SILTY SAND, SANDY SILT. SOME GRAVEL.	X	X	X																	
4	#4 STA. 65+00 0'-6" EXISTING RD. SUBBASE SELECT	X	X	X																	
5	#5 Proposed Pipe Bedding Borrow Pit SILTY SAND & GRAVEL	X	X	X																	

ASTM D-698 Method "C" for All Proctors

(IN GILSON)

NOTE: may be too coarse for Proctor. D (OK. after sieve with DUB or PB. Possible Rolling Pattern

MATL from ABC Pit Used on MCHD w/ #68104



P.I. WORK SHEET

PROJECT Camelback Adv. Bridge Approaches

LAB NO.	1	2	3	4	5	
<u>LIQUID LIMIT</u>						
EST. TAPS			22	22		
CONTAINER #	NP	NP			NP	
WET WT. AND CONT.	NP	NP	19.77	16.29		
DRY WT. AND CONT.	NP	NP	15.44	13.21		
WT. WATER	=	=	= 4.33	= 3.08	=	=
DRY WT. AND CONT.						
WT. CONT.			2.16	2.18		
WT. DRY SOIL	=	=	= 13.28	= 11.03	=	=
<u>WT. WATER X 100</u>	=	=	= 32	= 28	=	=
<u>WT. DRY SOIL</u>						
<u>PLASTIC LIMIT</u>						
CONTAINER #	NP	NP			NP	
WET WT. AND CONT.	NP	NP	16.54	14.47		
DRY WT. AND CONT.	NP	NP	14.18	12.46		
WT. WATER	=	=	= 2.36	= 2.01	=	=
DRY WT. AND CONT.						
WT. CONT.			2.15	2.23		
WT. DRY SOIL	=	=	= 12.03	= 10.23	=	=
WT. WATER X 100	=	=	= 20	= 20	=	=
WT. DRY SOIL						
L.L. - P.L. = P.I.	NP	11-26	32-20=12	28-20=8	NP	
TECH. & DATE	11-26-84		11-27-84	11-27-84	11-26-84	

Conversion Table

22 = .985	24 = .995	26 = 1.005	28 = 1.014
23 = .990	25 = 1.000	27 = 1.009	

**S&B** SERGENT, HAUSKINS & BECKWITH  
CONSULTING SOIL AND FOUNDATION ENGINEERS  
PHOENIX • FLAGSTAFF • EL PASO

SIEVE ANALYSIS WORK SHEET

w/o# 1

SOURCE: Star Processed Pine Bark Pit  
 MATERIAL: Silty Sand & Gravel

LAB NO. 4-3019-5  
 DATE DUE 11-26-84

- SOIL
- #200 ONLY

AGGREGATE

L.A. ABRASION  
 GRADING \_\_\_\_\_  
 REV. \_\_\_\_\_  
 Loss \_\_\_\_\_ %

L.A. ABRASION  
 GRADING \_\_\_\_\_  
 REV. \_\_\_\_\_  
 Loss \_\_\_\_\_ %

F.M.

MOISTURE:  
 % = \_\_\_\_\_

SIEVE	WT.RET.	% RET.	% PASS.	SPECS.
3"				
2"				
1 1/2"	0		100	
1"	70			
3/4"	110			
1/2"	251			
3/8"	185			
1/4", #3	315			
#4	260			
RET.#4	1190	WBW(W)	525	
PASS#4W	15840	WBW(D)	519	
PASS#4D		WAW	508	
TOTAL		ELUT.		
		SCALE #	@	%
#8	508			
#10	485			
#16	470			
#30	399			
#40	269			
#50	114			
#100	54			
#200	13			
-#200	1			
TOTAL				

PLASTICITY INDEX  
 L.L. N.P.  
 P.L. N.P.  
 P.I. 25  
7140  
8700  
15840

Performed By [Signature]  
 Date 11-29-84  
 Calculated By \_\_\_\_\_  
 Checked By \_\_\_\_\_

PROJECT: Camelback Rd. Bridge Approaches

LAB NO. 4-3019-5

SAMPLE: Proposed Pipe Borrow Pit - Littlefield

DATE: \_\_\_\_\_

TEST DESIGNATION: D698 METHOD A  B  C  OR D

CURVE: E

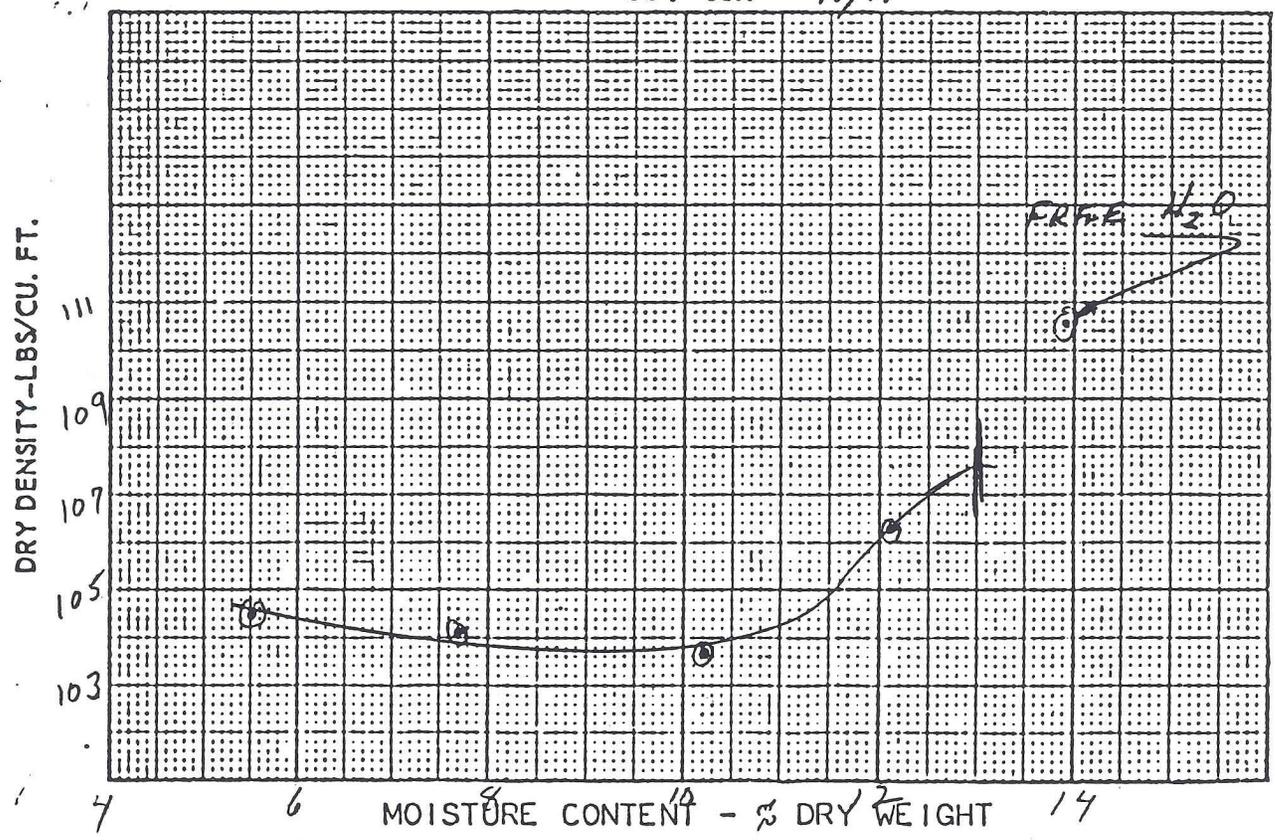
MAXIMUM DENSITY: 107.6 ✓ PCF WITH ROCK CORRECTION

OPTIMUM MOISTURE: 13.0 ✓ % WITH ROCK CORRECTION

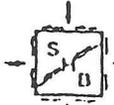
PCF \_\_\_\_\_  
% \_\_\_\_\_

TRIAL NUMBER	1	2	3	4	5	6	7
WATER (EST %)						FREE WATER	
WATER (C.C.)	200	300	400	500	600		
WT. SAMPLE + MOLD (GMS)	10036	11100	10172	10339	10569		
WT. MOLD (GMS)	6285	6285	6285	6285	6285		
WT. WET SAMPLE (GMS)	3751	3815	3887	4054	4284		
WT. WET SAMPLE (LB)							
WET DENSITY (PCF)	110.3	112.1	114.3	119.2	125.9		
MOISTURE SAMPLE (WET)	1150	900	920	1010	1100		
MOISTURE SAMPLE (DRY)	1090	836	835	901	966		
WT. MOISTURE (GMS)							
MOISTURE (%)	5.5 ✓	7.7 ✓	10.2 ✓	12.1 ✓	13.9 ✓		
DRY DENSITY (PCF)	104.5 ✓	104.1 ✓	103.7 ✓	106.3 ✓	110.6 ✓		

SP. GR. = N/A



DATE: 11-26  
CALC. BY: S  
CHECKED BY: RA 11-27



SERGENT, HAUSKINS & BECKWITH

CONSULTING SOIL AND FOUNDATION ENGINEERS  
PHOENIX • FLAGSTAFF • ALBUQUERQUE • EL PASO

STATE OF ARIZONA  
DEPARTMENT OF MINES AND MINERAL RESOURCES

Mineral Building, Fairgrounds, Phoenix, Arizona 85007 • (602) 255-3791

June 11, 1985

Mr. Richard Turner  
Principal Planner  
111 South Third Avenue, Rm. 300  
Phoenix, AZ 85003

Dear Mr. Turner:

This letter is in response to a request from your office for comments from the Arizona Department of Mines and Mineral Resources regarding a special use permit application for development of a 40 acre site on the west bank of the Agua Fria River just north of Camelback Road known as Case #784-212. The Department has no objection to the project.

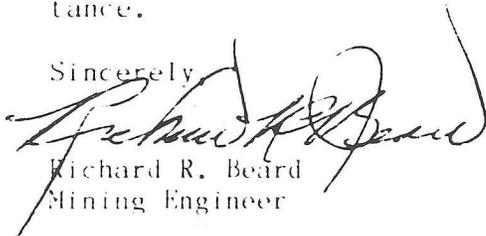
The Arizona Department of Mines and Mineral Resources is charged by law to aid in the promotion and development of the State's mineral resources. It is the general policy of the Department to encourage legitimate, economically viable mining developments.

The particular mine development we have been asked to comment on involves the operation of a small sand gravel mine with simple screening and washing plants. The deposit is unique in that it contains a relatively high proportion of sand which is a less common and higher value product.

Long ago the Department of Mines and Mineral Resources recognized that deposits of construction minerals in the Salt River Valley were rapidly being depleted. The availability of new deposits were becoming limited due to increased surface uses of lands known to contain deposits of sand and gravel. Such uses have included industrial and residential development, river channelization, and various types of parks, green belts and flood control projects. Since reasonably priced construction mineral material is a necessity for continued construction of public and private projects, known close-in deposits of sand and gravel should be protected for use when needed. The entire economy benefits from nearby sources of sand and gravel.

Please feel free to contact us if we may be of further assistance.

Sincerely,



Richard R. Beard  
Mining Engineer

cc: A.B.C. Enterprises