As Built
Quantity & Cost
Buckeye Floodwater
Retarding Structures
Buckeye WPP
Maricopa County Arizona

A207.906

Property of
Flood Control District of MC Library
Please Return to
2801 W. Durango
Phoenix, AZ 85009

MEMORANDUM TO FILES

SUBJECT: FINAL COST STATEMENT
BUCKEYE FLOOD RETARDING DAM #2 (7-44)

BY: D. R. Lawrence

DATE: August 21, 1975

I have reviewed the itemized cost breakdown of the final cost of construction of Buckeye Flood Retarding Dam #2 (7-44) as prepared by the Maricopa County Flood Control District and find it satisfactory with the following exceptions:

> Bid items 17 (R/C pressure pipe) and 21 (12" water control outlet) were not, but should have been, included.

In accordance with our policy, items not structurally a part of the dam have been excluded.

I spoke with Mr. Robert Ward of the Maricopa County Flood Control District and he agreed that the items mentioned above would be included. He will transmit the Affidavit of Final Cost in the near future.

MEMORANDUM TO FILES

SUBJECT: FINAL COST STATEMENT
GUADALUPE FLOOD RETARDING DAM (7-43)

BY: D. R. Lawrence

DATE: August 21, 1975

I have reviewed the itemized cost breakdown of the final cost of construction of Guadalupe Flood Retarding Dam (7-43) as prepared by the Maricopa County Flood Control District and find it satisfactory with the following exception:

> Bid item 21 (Loose rock riprap) was not, but should have been, included.

In accordance with our policy, items not structurally a part of the dam have been excluded.

I spoke with Mr. Robert Ward of the Maricopa County Flood Control District and he agreed that the item mentioned above would be included. He will transmit the Affidavit of Final Cost in the near future.

MEMORANDUM TO FILES

SUBJECT: FINAL COST STATEMENT
BUCKEYE FLOOD RETARDING DAM #3 (7-45)

BY: D. R. Lawrence

DATE: August 21, 1975

I have reviewed the itemized cost breakdown of the final cost of construction of Buckeye Flood Retarding Dam #3 (7-45) as prepared by the Maricopa County Flood Control District and find it satisfactory with the following exception:

Bid item 20 (12" water control outlet) was not, but should have been, included.

In accordance with our policy, items not structurally a part of the dam have been excluded.

I spoke with Mr. Robert Ward of the Maricopa County Flood Control District and he agreed that the item mentioned above would be included. He will transmit the Affidavit of Final Cost in the near future.

hereinafter termed Grantee, whose address is Phoenix 7, Arizona, the hereinafter described real property situated in MARICOPA County, Arizona and particularly described as:

The Northwest quarter ($NW\frac{1}{4}$) of Section 8, Township 1 North, Range 4 West, Gila and Salt River Meridian, Maricopa County, Arizona, lying northerly of the existing northerly R/W line of Interstate 10 (Ehrenberg-Phoenix Highway).

EXCEPT the Northeast quarter of the Northeast quarter of the Northwest quarter ($NE\frac{1}{4}$ $NE\frac{1}{4}$ $NW\frac{1}{4}$) and the East half of the Northwest quarter of the Northeast quarter of the Northwest quarter ($E\frac{1}{2}$ $NW\frac{1}{4}$ $NE\frac{1}{4}$ $NW\frac{1}{4}$) of said Section 8; as set forth in Docket 7016, page 107;

STATE OF ARIZONA }
County of Maricopa } ss

I hereby certify that the within instrument was filed and recorded at request of

~~TRANSAMERICA TITLE~~

SEP 28 1972 - 8 00 AM

in Docket 9724

on page 303-304

Witness my hand and official seal the day and year aforesaid.

Paul N. Marston
County Recorder

By Jean John
Deputy Recorder

1 00

R/W PLANS DIVISION
DESCRIPTION
APPROVED
A.H.D.

Project No. I-10-2(52) Section Buckeye Watershed Parcel 7-1938

60-6514a 6-64
(3M 10-70)

WAS:ch 9-13-71

T-2-N
LOCA
BEGIN PROJECT
STA. 18+73±
Dam III)
FLOODWATER
RETARDING
STRUCTURE 3
Mc DOWELL RD.
T-2-N
To PHOENIX, 26 miles
T-1-N
Dam II
FLOODWATER
RETARDING
STRUCTURE 2
APS POWER
STATION
Dam I
(Existing)
Floodway #1
TO EHRENBERG
HASSAYAMPA
RIVER
ARIZONA PUBLIC SERVICE
YUMA AMERICAN TELEPHONE AND
ARIZONA PUBLIC SERVICE
BUREAU OF RECLAMATION TRANSMISSION LINE
WHITE TANK
END PROJECT
STA. 56+10±
PROPOSED CENTER LINE OF
TELEGRAPH
INTERSTATE HIGHWAY NO 10
FLOODWAY NO. 3
YUMA ROAD
BURIED CABLE
POWER LINES
FLOODWAY NO. 2
LUKE AUXILIARY NO. 5
LUKE AUXILIARY NO. 6
LOWER BUCKEYE RD.
R-2-W
ROOSEVELT CANAL
BROADWAY
Hazelton Memorial Cem.
SOUTHERN AVENUE
JOHNSON ROAD
BRUNER ROAD
PALO VERDE ROAD
WILSON AVE.
TURNER RD.
OGLESBY ROAD
ROOKS RD.
MILLER ROAD
CEMETERY RD.
WATSON RD.
DEAN RD.
AIRPORT RD.
RAINBOW RD.
VALENCIA
PACIFIC CANAL
BASE LINE
SOUTHERN BUCKEYE ROAD
LOWER RIVER RD
BUCKEYE
LOWER SOUTH EXTENSION CANAL
RIVER ROAD
Liberty
T-1-N
To PHOENIX, 30 miles
T-1-S
To Salom
HAZEN ROAD
Hassayampa
Palo Verde
Allenville
CANAL
ARLINGTON
GILA
RIVER
RIVER

COMPUTATION SHEET
SCS-522 REV 5-58

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

GPO 1958 O—470868

STATE		PROJECT		
Arizona		Buckeye WPP		
BY	DATE	CHECKED BY	DATE	JOB NO.
D Riddle	8-8-75			FCD

SUBJECT: Total Job Cost

SHEET 1 OF 1

Floodway #1	$166,039.16	5%
Dam #1	$1,576,085.20	43%
Floodway #2	$561,585.19	15%
Dam #2	$592,020.52	16%
Floodway #3	$74,111.06	2%
Dam #3	$686,445.99	19%
Total Cost	$3,656,287.12	100%

COMPUTATION SHEET
SCS-ENG-523 Rev. 8-69

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
* GPO: 1972 —460-109

STATE		PROJECT		
Arizona		Buckeye WPP Sta #1		
BY	DATE	CHECKED BY	DATE	JOB NO.
C Riddle	8-7-75			FCH-72 2
SUBJECT				SHEET 1 OF 2
Floodway #1				

Item #1 Clearing & Grubbing

10.0 Acres @ $60.00 per Ac. = $600.00 ✓

Item #4 Channal Excavation

Sta 909+54.23 to Sta 929+50

Total of 63,666 cu. yd. @ $0.45 = $28,649.70 ✓

Item #6 Structure Excavation

Outlet Str. = 14.4 cu. yd @ $10.00 = $144.00 ✓

Item #7 Earth Fill, Compacted

Channel dikes Sta 925+00 to 929+50 ✓

Total of 2,281 cu. yd @ $0.28 = $638.68

Item #8 Earth Fill, Uncompacted (Pipeline)

Total of 42,376 cu. yd @ $0.28 = $11,865.28 ✓

Item #9 Structure Backfill (Pipeline & Outlet Str.)

total of 8,127 cu. yd. @ $5.00 = $40,635.00 ✓

Item #11 Concret (outlet Str.)

Total of 40.7 cu. yd @ $180.00 = $7,326.00 ✓

Item #12 Cement (outlet Str.) ✓

Total of 61.0 Bbls @ $6.00 = $366.00

COMPUTATION SHEET
SCS-ENG-523 Rev. 8-69

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
* GPO: 1972 —460-109

STATE		PROJECT		
Arizona		Parkway WPP		Str. #1
BY	DATE	CHECKED BY	DATE	JOB NO.
D Siddle	8-7-75			FCL-73-2
SUBJECT				SHEET 2 OF 2
Floodway #1				

Item #13, Reinforcement (outlet Str.) ✓

Total of 3,490 Lbs @ $0.25 = $872.50

Item #15, 60" dia. Reinforced Concret Pipe ✓

Total of 930.4 Lin ft @ $80.00 = $74,432.00

Item #21 Loose Rock Riprap (outlet Str.) ✓

Total of 51 cu. yd @ $10.00 = $510.00

Total Spent = $166,039.16 ✓

COMPUTATION SHEET
SCS-ENG-523 Rev. 8-69

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
* GPO: 1972 —460-109

STATE		PROJECT Buckeye G.I.P.P. Sta #1		
BY	DATE	CHECKED BY	DATE	JOB NO.
SUBJECT Dam #1				SHEET 1 OF 5

Item #1 Clearing & Grubbing

Dam = 659.8 Acres

Palo Verde Road Ramp = 4.9 Acres
Johnson Road Ramp = 2.4 Acres
Total Sponsors Cost = 7.3 Acres

Total = 667.1 Ac @ $60.00 per Ac. = $40,026.00 ✓

Item #2 Str. Removal (Fences)

Dam Sta 595+00 = 3,663 Lin. ft.

Dam Sta 733+00 = 1,231 Lin ft.

Dam Sta 870+50 = 874 Lin ft.

Total 5,768 Lin. ft. @ $0.50 = $2,884.00 ✓

Item #3 Mobilization

Job - Total = $110,000.00 ✓

Item #4 Channel Excavation

Total of 507,844 cu. Yd @ $0.45 = $228,529.80 ✓

Item #5 Foundation Excavation

Dam #1 753,291 cu. Yd.

Dike #2 14,688. cu. Yd.

Palo Verde Road Ramp 10,677 cu. Yd.

Johnson Road Ramp 19,861 cu. Yd ✓

Total of 798,517 cu. Yd @ $0.28 = $223,584.76

COMPUTATION SHEET
SCS–ENG–522 REV. 3–69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE		PROJECT		
Arizona		Parkeye WPP		Str. #1
BY	DATE	CHECKED BY	DATE	JOB NO.
D Riddle	8-7-75			FCD-73-2

SUBJECT Dam #1

SHEET 2 OF 5

Item #6 Str. Excavation

Dam	54.1 cu. yd.
Johnson Road Ramp	36.5 cu. yd.
Palo Verde Road Ramp	38.0 cu. yd.

Total of 128.6 cu. yd @ $10.00 = $1,286.00 ✓

Item #7 Earth Fill, Compacted

Dam	2,624,347 cu. yd
Johnson Road Ramp	103,990 cu. yd.
Palo Verde Road Ramp	56,839 cu. yd. ✓

Total of 2,785,176 cu. yd @ $0.28 = $779,849.28

Item #9 Structure Backfill

Dam	3,473 cu. yd
Johnson Road Ramp	= 346 cu. yd
Palo Verde Road Ramp	= 241 cu. yd

Total of 2,864.09 cu. yd @ $5.00 = $14,320.45 ✓

℄ 1,195.91 @ $6.87 = $8,215.90 ✓

COMPUTATION SHEET
SCS–ENG–522 REV. 3–69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE		PROJECT		
Arizona		Buckeye WPP		Sit. #1
BY	DATE	CHECKED BY	DATE	JOB NO.
D Riddle	8-7-75			FCD-73-2

SUBJECT Dam #1

SHEET 3 OF 5

Item #10, Salv. & Sprd. Topsoil

Total of 181,092 sq. yd. @ $0.13 = $23,541.76 ✓

Item #11, Concret

Total of 242.7 cu. yd @ $180.00 = $43,686.00 ✓

Item #12, Cement

total of 371.9 Bbls. @ $6.00 = $2,231.40 ✓

Item #13, Reinforcement

Total of 10,809 Lbs. @ $0.25 = $2,702.25 ✓

Item #14, Reinforced Concrete Pressure Pipe 60 in. dia.

total of 176.0 Lin ft. @ $70.00 = $12,320.00 ✓

Item #16, 12 in. dia Reinforced Concrete Pipe

Total of 323.0 Lin. ft. @ $20.00 = $6,460.00 ✓

Item #17, 85"x54" Corrugated Metal Pipe

Johnson Road Ramp 162 Lin. ft.
Pola Verde Road Ramp 183 Lin ft.
Total of 345 Lin ft @ $45.00 = $15,525.00 ✓

COMPUTATION SHEET
SCS-ENG-522 REV. 3-69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE	PROJECT		
Arizona	Buckeye WPP	Site #1	
BY: D Ridelle	DATE: 8-7-75	CHECKED BY:	DATE:
JOB NO.: FCD-75-[illegible]			
SUBJECT: Dam #1		SHEET 4 OF 5	

Item #18, 29" X 18" Corrugated Metal Pipe

Johnson Road Ramp

Total of 120.00 Lin. ft @ $15.00 = $1,800.00 ✓

Item #19, 15" dia. Corrugated Metal Pipe

Total of 96.0 Lin. ft. @ $8.00 = $768.00 ✓

Item #20, Special Fittings

Job Total $7,000.00 ✓

Item #21 Loose Rock Riprap

Dam	303.0 cu. yd.
Johnson Road Ramp	47.0 cu. yd.
Palo Verde Road Ramp	47.0 cu. yd.

Total of 397.0 cu yd @ $10.00 = $3,970.00 ✓

Item #22 Water Control Gates

2 each @ $1,500.00 = $3,000.00 ✓

COMPUTATION SHEET
SCS-ENG-522 REV. 3-69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO: 1968—O-337-998

STATE	PROJECT		
Arizona	Buckeye WRP		Site #1
BY: [illegible] DATE: 8-7-75	CHECKED BY	DATE	JOB NO. [illegible]
SUBJECT: Dam 1			SHEET 5 OF 5

Item #23 Trash Racks

Total Job 7,000.00 ✓

Item #24 Seeding

Total of 37.4 Acres @ $200.00 = $7,480.00 ✓

Site #1 Total Spent = $1,546,180.80 ✓

Item #24 (site #2) Fencing site #1

Total of 42,292 Lin. ft @ $0.70 = $29,604.40

site #2 Total Spent = $1,575,785.20

Item #22 (site #3) Identification Sign = $300.00

Total Cost $1,576,085.20

COMPUTATION SHEET
SCS-ENG-523 Rev. 8-69

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO: 1972 —460-109

STATE		PROJECT		
Arizona		Parker WPP		Site #2
BY	DATE	CHECKED BY	DATE	JOB NO.
D Riddle	8-7-75			FCO-74-1
SUBJECT				SHEET 1 OF 2
Floodway #2				

Item #1, Clearing & Grubbing
Total of 85.5 Acres @ $100.00 = $8550.00 ✓

Item #2, Mobilization
½ Job cost $65,000.00

Item #3, Channel Excavation Unclassified
Total 134,910 cu yd @ $0.75 = $101,182.50 ✓

Item #4 Foundation Excavation
Total of 59,877 cu. yd @ $0.38 = $22,753.26 ✓

Item #5, Structure Excavation (Pipeline & outlet)
Total of 14,927 cu. yd @ $2.00 = $29,854.00 ✓

Item #7, Earth Fill, Type II
Total of 252,118 cu. yd @ $0.30 = $75,635.40 ✓

Item #8 Earth Fill Uncompacted (Pipeline) ✓
Total of 7,573 cu yd. @ $0.70 = $5,301.10

Item #9 Structure Backfill (Pipeline & outl.)
total of 6,082 cu. yd @ $5.00 = $30,410.00 ✓

Item #10 Salvaging & Spreading Topsoil
Total of 41,418 sq. yd. @ $0.20 = $8,283.60 ✓

COMPUTATION SHEET
SCS-ENG-523 Rev. 8-69

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO: 1972 —460-109

STATE Arizona		PROJECT Burkaye WPP Site #2		
BY J. Biddle	DATE 8/8/75	CHECKED BY	DATE	JOB NO. FCO-24-1
SUBJECT Floodway #2				SHEET 2 OF 2

Item #11 Concrete 4,000X (outlet Str.)
Total of 15.3 cu. yd. @ $200.00 = $3,060.00

Item #13 Cement (outlet Str.)
Total of 23.0 Bbls @ $7.00 = $160.65

Item #14 Steel Reinforcement (outlet Str.)
Total of 755 Lbs @ $0.40 = $302.00

Item #16 48" dia R/C Pressure Pipe
Total of 2,077.2 Lin ft @ $91.83 = $190,749.28

Item #20 Loose Rock Riprap (outlet Str.)
Total of 110.00 cu. Yd @ $18.00 = $1,980.00

Item #23 Fence Installation
Total of 24,062 Lin. ft. @ $0.70 = $16,843.40

Item #25 Seeding
Total of 7.6 Acres @ $200.00 = $1,520.00

Total Job $561,585.19

COMPUTATION SHEET
SCS–ENG–522 REV. 3–69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE		PROJECT		
Arizona		Buckeye W.F.P.		Site #2
BY	DATE	CHECKED BY	DATE	JOB NO.
V. Riddle	9-7-75			FCD-74-1

SUBJECT Dam #2

SHEET 1 OF 4

Item #1, Clearing & Grubbing

Total of 119.9 Acres @ $100.00 = $11,990.00 ✓

Item #2, Mobilization

½ the Job cost $65,000.00 ✓

Item #3, Channel Excavation Unclassified

Emergency Spillway	55,346	cu. yd	
Diversion Channel	16,579	cu yd	
Irrigation Border Channel	1,496	cu yd	← Not Allowed
inlet Channel	851	cu yd	
Bur. of Rec. Road Ramp	387	" "	← Not Allowed

Total of 67,965 cu yd @ $0.75 = $50,973.75 ✓

~~6,694~~ cu. yd @ 0.8776 = $5874.65 ✓

Item #4, Foundation Excavation

Total of 286,930 cu. yd @ $0.38 = $109,033.40 ✓

Item #5, Structure Excavation ✓

total of 1,496 cu. yd. @ $2.00 = $2,992.00

COMPUTATION SHEET
SCS-ENG-522 REV. 3-69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE	PROJECT			
Arizona	Buckeye WPP			Site #2
BY: D Riddle	DATE: 8-8-75	CHECKED BY	DATE	JOB NO. FCU-74-1
SUBJECT: Dam #2				SHEET 2 OF 4

Item #6, Earth Fill Type I

Dam #2 587,844 cu. yd.
Diversion Dike 17,937 cu. yd.
Irr. Border Dike 1,848 cu. yd. ← Not Allowed
Bureau of Rec. A.R 487 cu. yd. ← Not Allowed

Total of 608,116 cu. yd @ $0.38 = $231,084.08 ✓

Item #9, Structure Backfill

Total of 653 cu. yd @ $5.00 = $3,265.00 ✓

Item #10, Salvaging & Spreading Topsoil ✓

total of 36,806 s. yd. @ $0.20 = $7,361.20

Item #11, Concrete, 4000X ✓

total of 97.2 cu. yd. @ $200.00 = $19,440.00

Item #11A, Concrete 4000X ✓

Total of 114.0 cu. yd @ $132.76 = $1,858.64

Item #12 Concrete 3000X (Empr. Spwy Sill)

total of 157.3 cu. yd. @ $80.00 = $12,584.00

COMPUTATION SHEET
SCS–ENG–522 REV. 3–69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE		PROJECT		
Arizona		Buckeye WPP		Site #2
BY	DATE	CHECKED BY	DATE	JOB NO.
D. Liddle	8-8-75			FCD-74-1

SUBJECT Dam #2

SHEET 3 OF 4

Item #13, Cement

total of 348 Bbls @ $7.00 = $2,436.00
&
Total of 80 Bbls @ 7.82 = $625.60

Item #14, Steel Reinforcement

total of 17,299 Lbs @ $0.40 = $6,919.60

Item #15, 48" dia R/C Pressure Pipe

Total of 120.3 Lin ft @ $100.00 = $12,030.00

Item #17, 12" dia R/C Pressure Pipe

total of 103.7 Lin ft @ $35.00 = $3,629.50

Item #18, 15" dia Corragated Metal Pipe

Total of 119.2 Lin. ft. @ $12.00 = 1,430.40

Item #19 Special Fittings Job $1,000.00

Item #20 Loose Rock Riprap

Total of 30.0 cu.yd @ $18.00 = $540.00

COMPUTATION SHEET
SCS–ENG–522 REV. 3–69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O–337–998

STATE Arizona		PROJECT Buckeye WPP		Site # 2
BY D Riddle	DATE	CHECKED BY	DATE	JOB NO. FCD-74-1

SUBJECT Dam #2

SHEET 4 OF 4

Item #21, Water Control Gate $1,500.00

Item #22a, Trash Racks & Animal Guards $6,265.65

Item #23a, Fence Installation

total of 17,381 Lin ft @ $0.70 = $12,166.70

Item #25, Seeding

Total of 8.6 Acres @ $200.00 = $1,720.00

Item #26, Miller Road Ramp, Job $20,000.00

Total Site #2 = $91,720.52

Item #22, Site #3 Identification Sign = 300.00

Total Job = $92,020.52

COMPUTATION SHEET
SCS–ENG–522 REV. 3–69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE		PROJECT		
BY	DATE	CHECKED BY	DATE	JOB NO.
SUBJECT				SHEET 1 OF 2

Floodways #3

Item #1, Clearing & Grubbing

Total of 2.5 Acres @ $80.00 = $200.00 ✓

Item #2, Channel Excavation

Total of 6,702 cu yd @ $0.55 = $3,686.10 ✓

Item #4 Structure Excavation

Total of 5,548 cu. yd @ $4.00 = $22,192.00 ✓

Item #5 Earth Fill (Impact Basin)

Total of 84 cu. yd @ $0.32 = $26.88 ✓

Item #6 Earth Fill Uncompacted

Total of 1,790 cu. yd @ $0.70 = $1,253.00

Item #7 Structure Backfill

Total of 856 cu. yd @ $5.00 = $4,280.00 ✓

Item #10 Concrete 4000x

total of 90.0 cu. yd @ $180.00 = $16,200.00 ✓

COMPUTATION SHEET
SCS–ENG–522 REV. 3–69

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
GPO : 1968—O-337-998

STATE		PROJECT		
BY	DATE	CHECKED BY	DATE	JOB NO.
SUBJECT				SHEET 2 OF 2

Floodway #3

Item # 11, Cement

Total of 145 Bbls @ $7.00 = $1,015.00

Item # 12, Steel Reinforcement

Total of 10,794 Lbs @ $0.40 = $4,317.60

Item # 14, 30" dia. R/C Pressure Pipe

Total of 409.5 Lin. ft. @ 39.84 = $16,314.48

Item #16 4 in. dia Drains (Baffd Shute) $1,800.00

Item # 19 Loose Rock Riprop

total of 157 cu. yd. @ $18.00 = $2,826.00

Total Cost = $74,111.06

COMPUTATION SHEET
SCS-ENG-523 Rev. 8-69

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
• GPO: 1972 —460-109

STATE Arizona		PROJECT		
BY D Fields	DATE 8-8-75	CHECKED BY	DATE	JOB NO.
SUBJECT Dam # 3				SHEET 1 OF 3

Item #1, Clearing & Grubbing
Total of 193.0 Acres @ $80.00 = $15,440.00 ✓

Item #2, Chonnal Excavation
Total of 181,021 cu. yd @ $0.55 = $99,561.55 ✓

Item #3, Foundation Excavation
Total = 341,942 cu. yd. @ $0.45 = $153,873.90 ✓

Item #4, Structure Excavation
Total of 245.0 cu yd @ $4.00 = $980.00 ✓

Item #5, Earth Fill
Total of 965,522 cu. yd. @ $0.32 = $308,967.04 ✓

Item #7, Structure Backfill
Total of 1,061 cu. yd @ $5.00 = $5,305.00 ✓

Item #8, Rock Fill (Emer. Spwy)
Total of 618 cu. yd @ $8.00 = $4,944.00 ✓

Item #9, Salvaging & Spreading Topsoil
total of 75,319 sq. yd. @ 0.20 = $15,063.80 ✓

Item #10, Concrete 4000X
Total of 102.10 cu. yd @ $180.00 = $18,378.00 ✓

STATE Arizona		PROJECT		
BY D Riddle	DATE	CHECKED BY	DATE	JOB NO.
SUBJECT Dam #3				SHEET 2 OF 3

Item # 11 Cement

Total of 164 Bbls @ $7.00 = $1,148.00

Item #12 Reinforcement Steel

Total of 7,931 lbs @ 0.40 = $3,172.40

Item #13 30" dia. R/C Pressure Pipe

Total of 144.3 Lin ft @ $85.00 = $12,265.50

Item #15 12" dia. R/C Pressure Pipe

Total of 239.7 Lin ft @ $35.00 = $8,389.50

Item #17 Corrugated Metal Pipe

Total of 288.2 Lin ft @ $12.00 = $3,458.40

Item #18 Special Fittings (C.M.P) = $1,200.00

Item #19 Loose Rock Riprap

total of 61 cu. yd @ $18.00 = $1,098.00

Item #20 Water Control Gates, 2 for $3,000.00

Item #21 Trash Racks & Animal Guards = $6,241.50

Item #22 Identification Signs

Total of one @ $300.00 $300.00

COMPUTATION SHEET
SCS-ENG-523 Rev. 8-69

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

* GPO: 1972 —460-109

STATE Arizona		PROJECT Barkaye WPP Site #3		
BY C. Ciabella	DATE	CHECKED BY	DATE	JOB NO. FCD-74-1
SUBJECT Dam #3				SHEET 3 OF 3

Item # 23 Fence Installation

Total of 29,342 Lin ft @ $0.70 = $20,539.40

Item # 24 Seeding

Total of 15.6 Acres @ 200.00 = $3,120.00

Total Cost $686,445.99