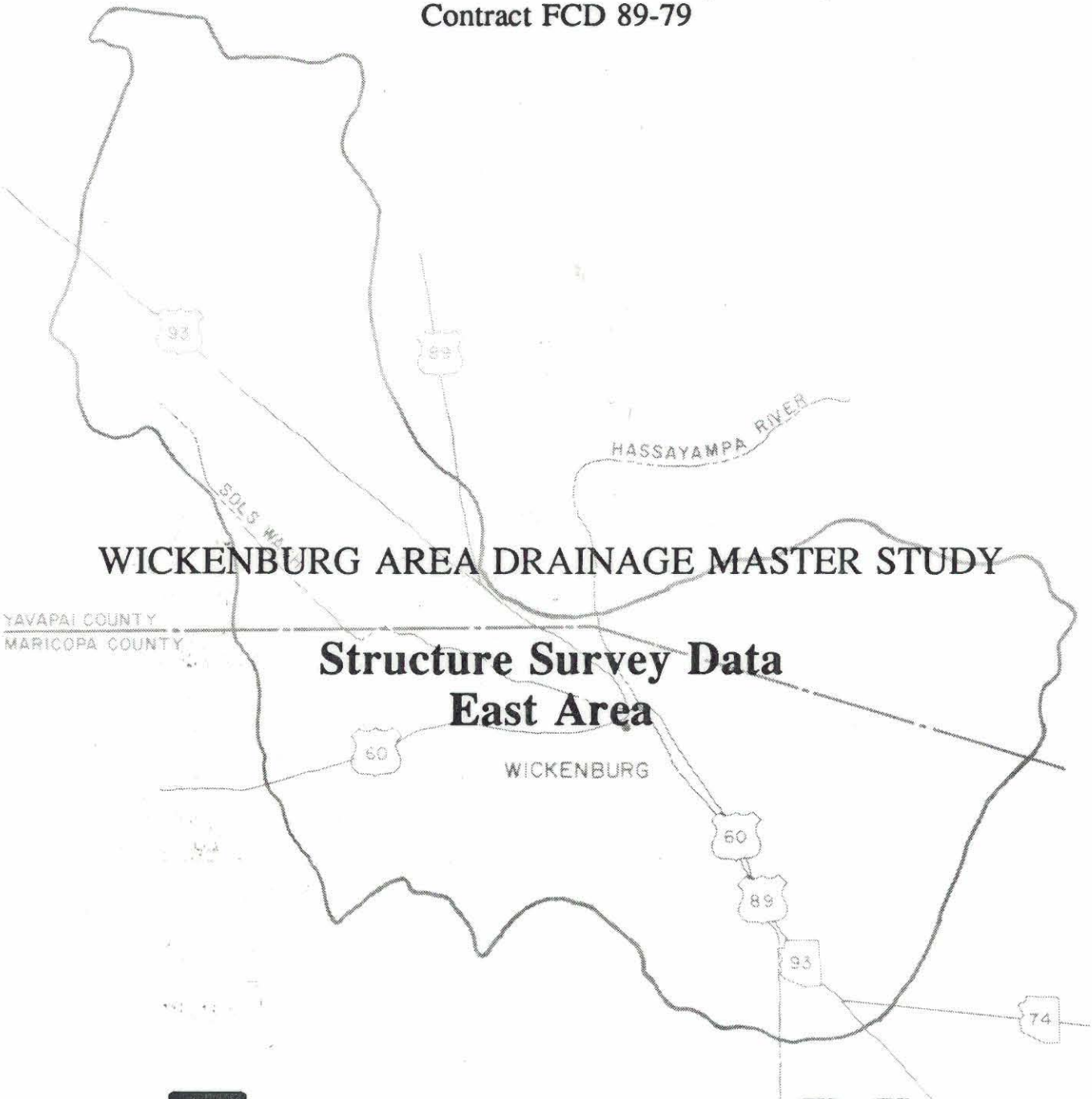
Flood Control District of Maricopa County
Contract FCD 89-79



WICKENBURG AREA DRAINAGE MASTER STUDY

Structure Survey Data
East Area

BLACK & VEATCH
Progress By Design
Project No. 17676

COE & VAN LOO
PLANNING • ENGINEERING
LANDSCAPE ARCHITECTURE

CVL No. 1197-02

June, 1993

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Flood Control District of Maricopa County
Wickenburg ADMS FCD 89-79

B&V Project 17676.700
B&V File L.1
June 28, 1993

Mr. Greg Rodzenko
Flood Control District of Maricopa County
2801 W. Durango
Phoenix, Arizona 85009

Subject: Structure Survey Data - East Area

Dear Mr. Rodzenko:

Attached is the Structure Survey Data collected and prepared by Morrison - Maierle/CSSA under subcontract with Western Air Maps Co., Inc., for all hydraulic structures in the Wickenburg ADMS East Area. Structure survey data for the West Area prepared by McLain - Harbers was submitted under separate cover.

Very truly yours,

BLACK & VEATCH

Timothy K. Meyer

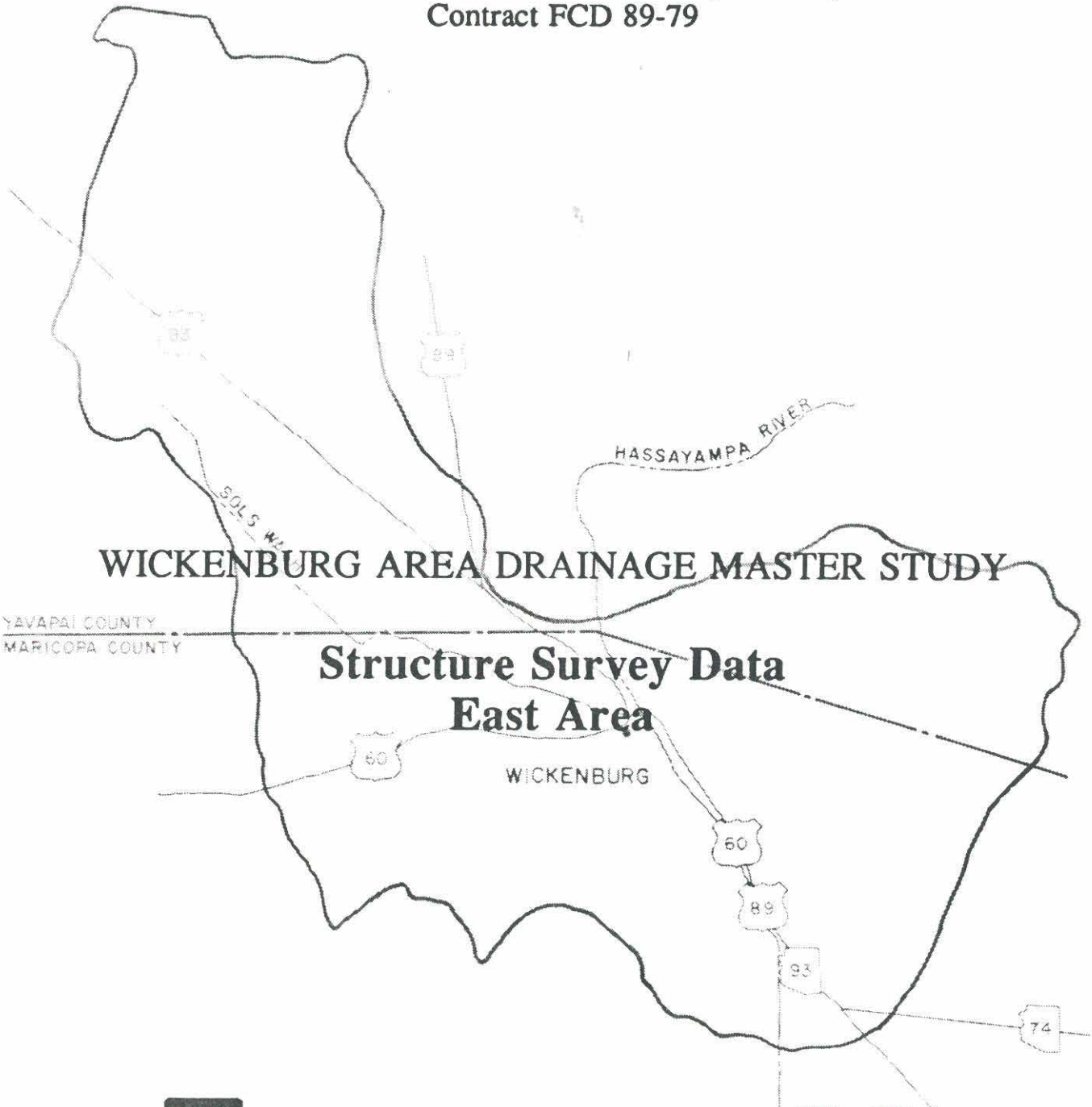
Timothy K. Meyer, P.E.
Project Engineer

cj
Enclosure

cc: David R. Mahaffay
David W. Dust

RODZEN-4.L-3

Flood Control District of Maricopa County
Contract FCD 89-79



WICKENBURG AREA DRAINAGE MASTER STUDY

Structure Survey Data
East Area

BLACK & VEATCH
Progress By Design
Project No. 17676

COE & VAN LOO
PLANNING • ENGINEERING
LANDSCAPE ARCHITECTURE

CVL No. 1197-02

June, 1993

WICKENBURG ADMS FCD 89-79
EAST AREA STRUCTURE SURVEY DATA

Contents

Wash Name	Contract Designation
Calamity Wash	B
Blue Tanks Wash	C
Monarch Wash and Tributaries	D
Mockingbird Wash and Tributaries	E
Unnamed Wash #1	F
Unnamed Wash #2	G
Unnamed Wash #3	H
Unnamed Wash #4	I
Unnamed Wash #5	J
Unnamed Wash #6	K
Unnamed Wash #7	L
Unnamed Wash #8	M
Unnamed Wash #11	N
Unnamed Wash #12	O
Little San Domingo Wash	S
San Domingo Wash	T
Ox Wash	V
Powder House Wash	AA
Unnamed Wash #9	AF

Calamity Wash (B)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 9.74 MILES N. OF THE INTERSECTION OF SR 93 AND CASTLE ROCK RD

Wash Name: "B" CALAMITY

Party Chief: R. DESMOND

Structure No. B-1

Structure	Diam.	Span	Rise
R.C.B.			
R.C.P.			
C.M.P.			
Other	BRIDGE		

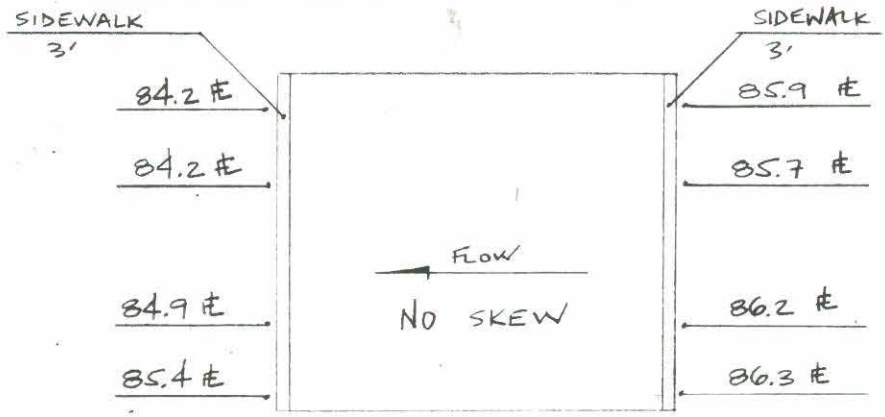
Struct. Cond.: ✓ Good __ Fair __ Poor

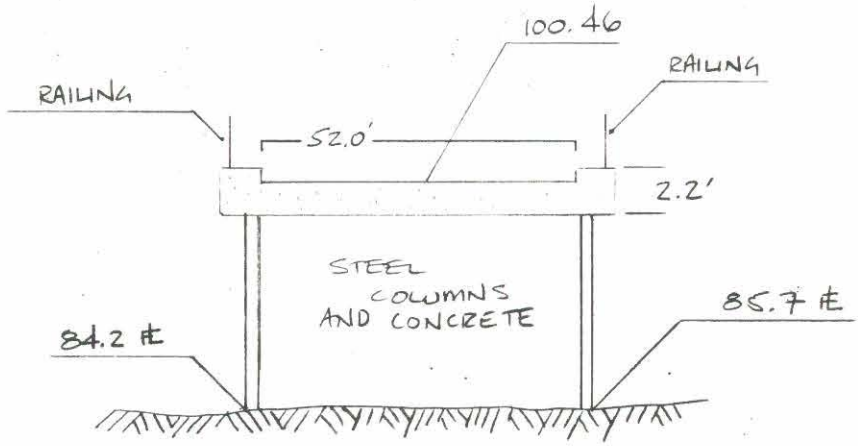
Headwall(s): __ Yes ✓ No: Cond.: _____

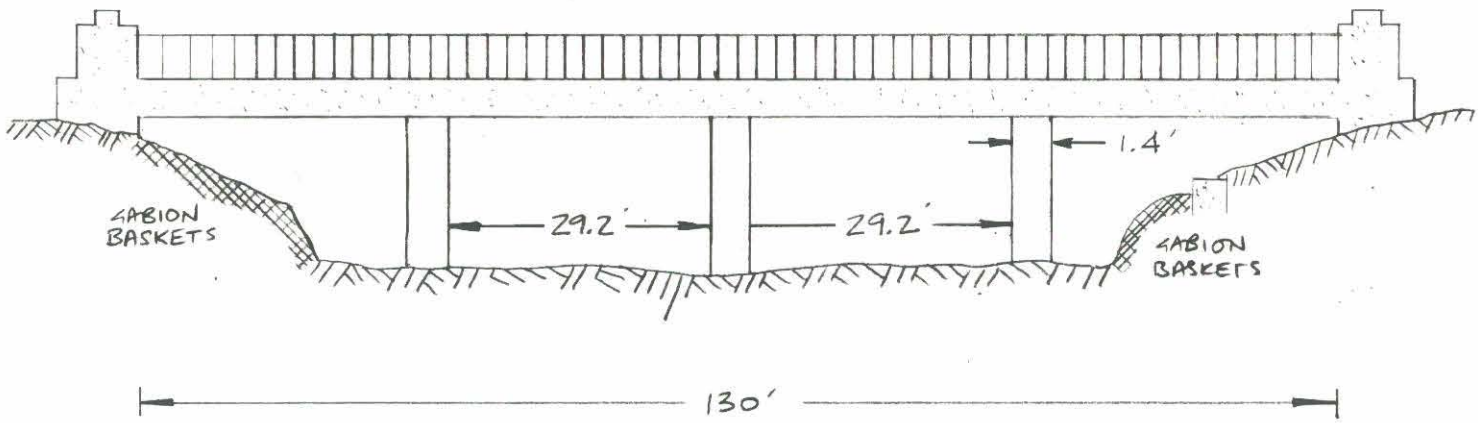
Wingwalls: __ Yes ✓ No: Cond.: _____

Depth of Available Headwater: ± 13.70'

No. of Spans or Barrels: 4





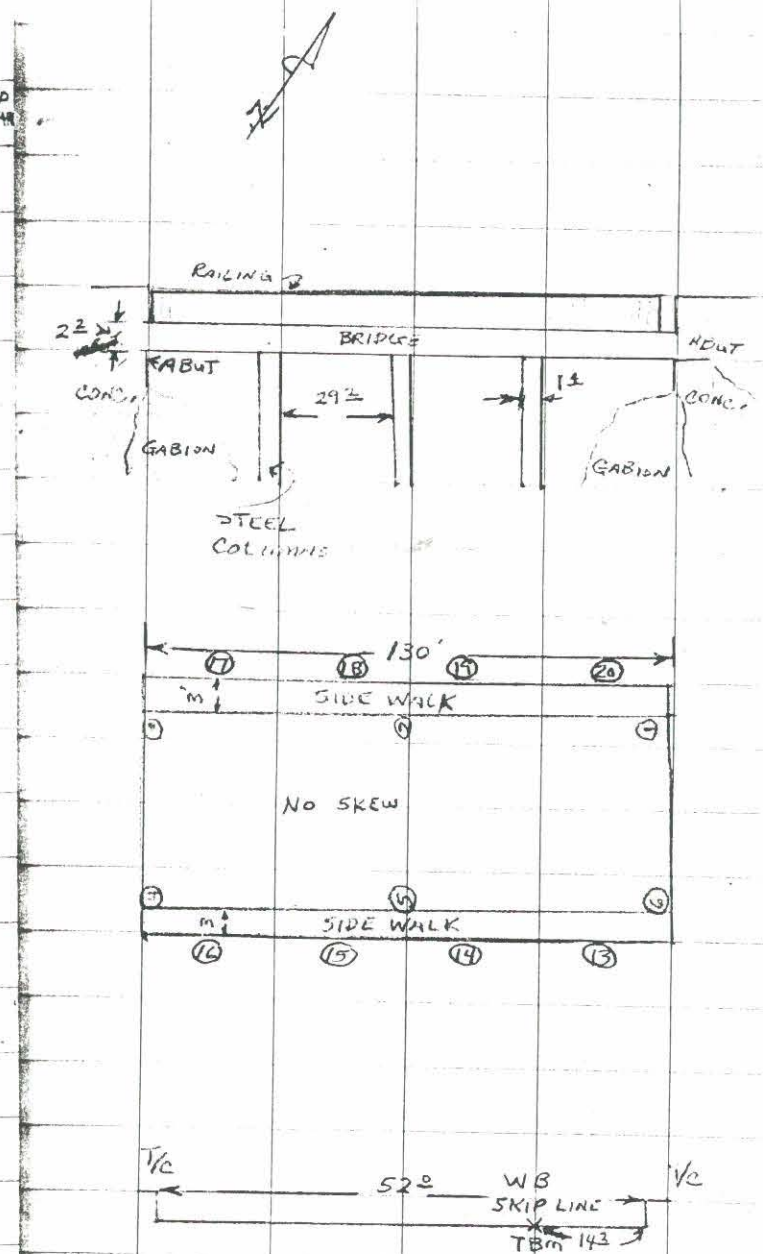


Date: 1/91

Morrison Maierle/CSSA

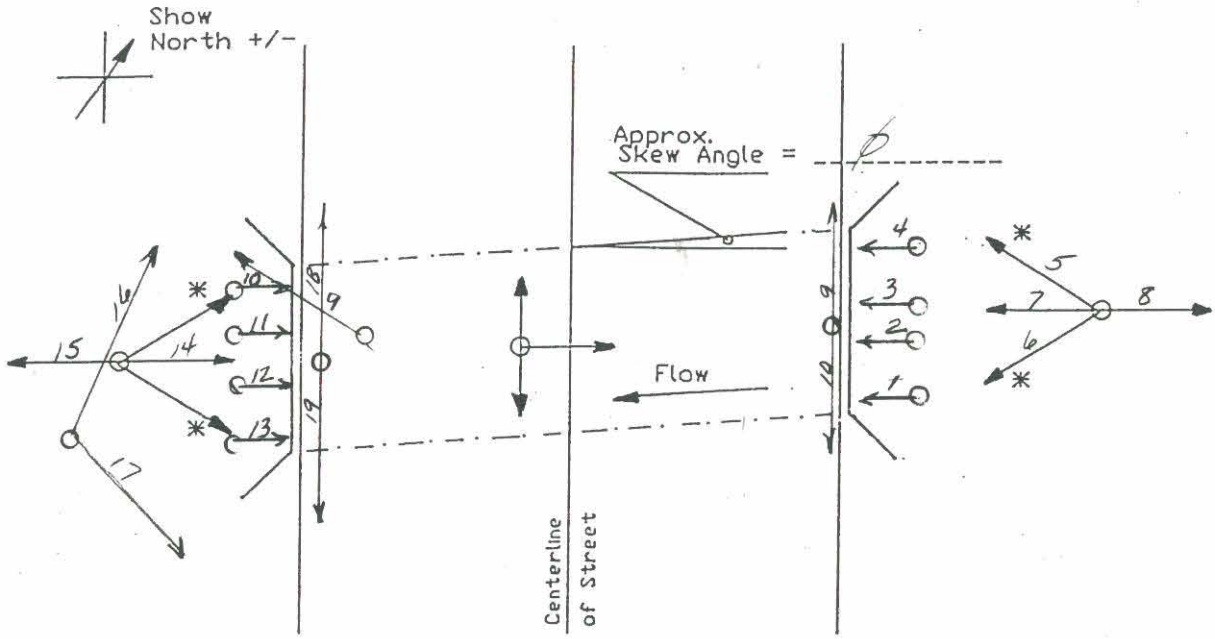
S-18 CALAMITY BRIDGE

STA.	+	HI	−	ELEV.	
B TBM	6.19	106.19		100.00	ASSUMED WHITE STRIP ℄ WB
1			6.43	99.76	T/C
2			7.40	98.79	GUT
3			5.32	100.87	T/C
4			6.33	99.86	GUT
5			4.07	102.12	T/C
6			5.08	101.11	GUT
7			4.02	102.17	T/C
8			5.05	101.14	GUT
9			5.34	100.85	T/C
10			6.32	99.87	GUT
11			6.39	99.80	T/C
12			7.40	98.79	GUT
13			20.3	85.9	⊥
14			20.5	85.7	⊥
15			20.0	86.2	⊥
16			19.9	86.3	⊥
17			20.8	85.4	⊥



WICKENBURG
90-022
S- 18 CALAMITY-BRIDGE

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖⟶): Roll No. 5



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

CVL - Nov. 5, 1990

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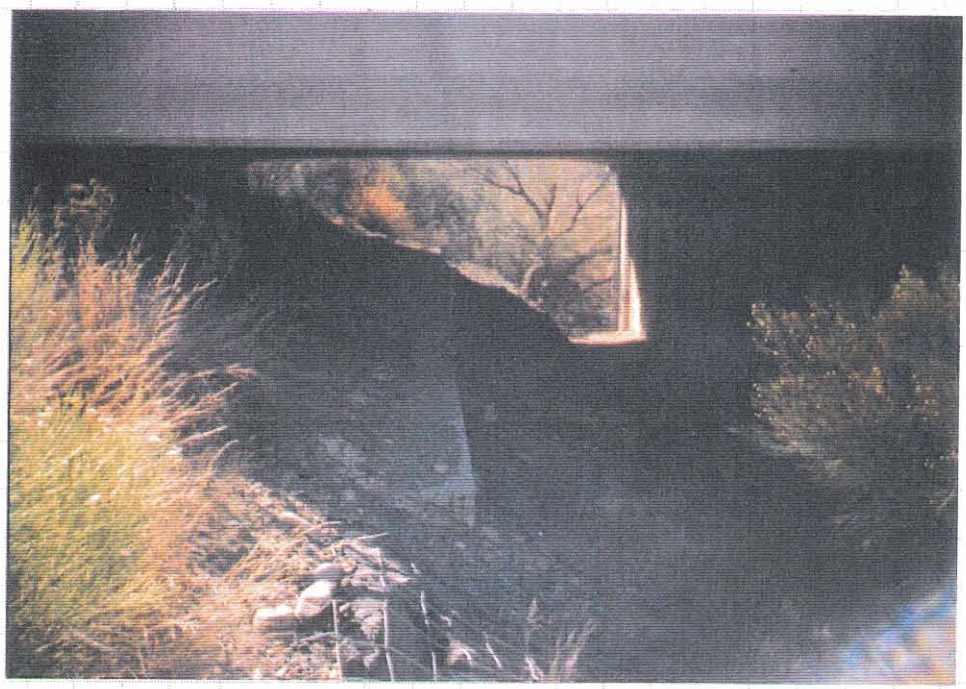
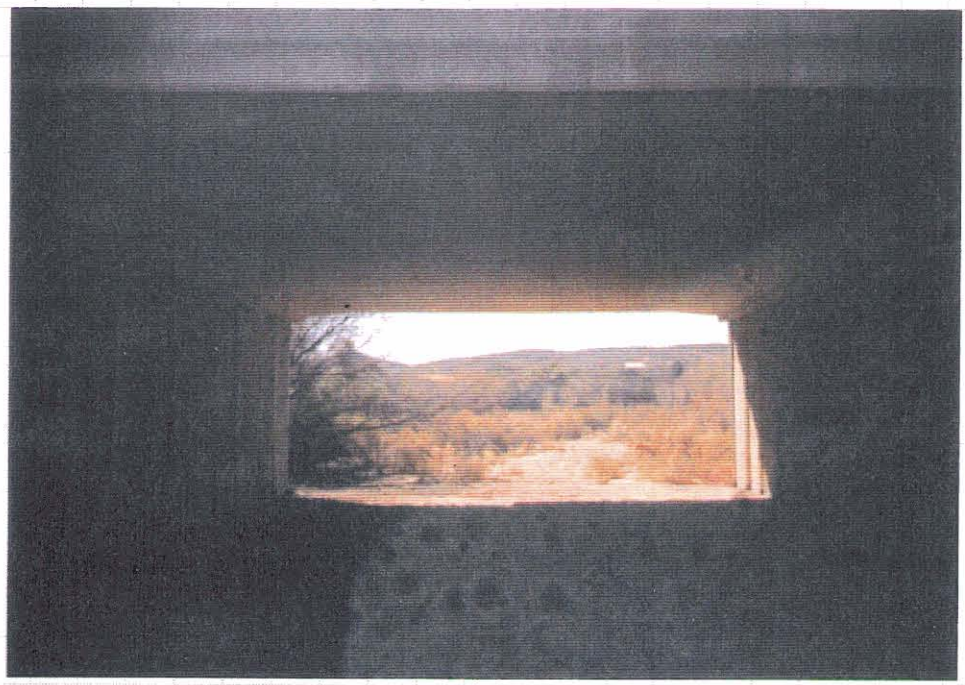
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



NORTH SIDE EAST BARREL PHOTO #1
WITH GABION



NORTH SIDE PHOTO #2
EAST-CENTER BARREL

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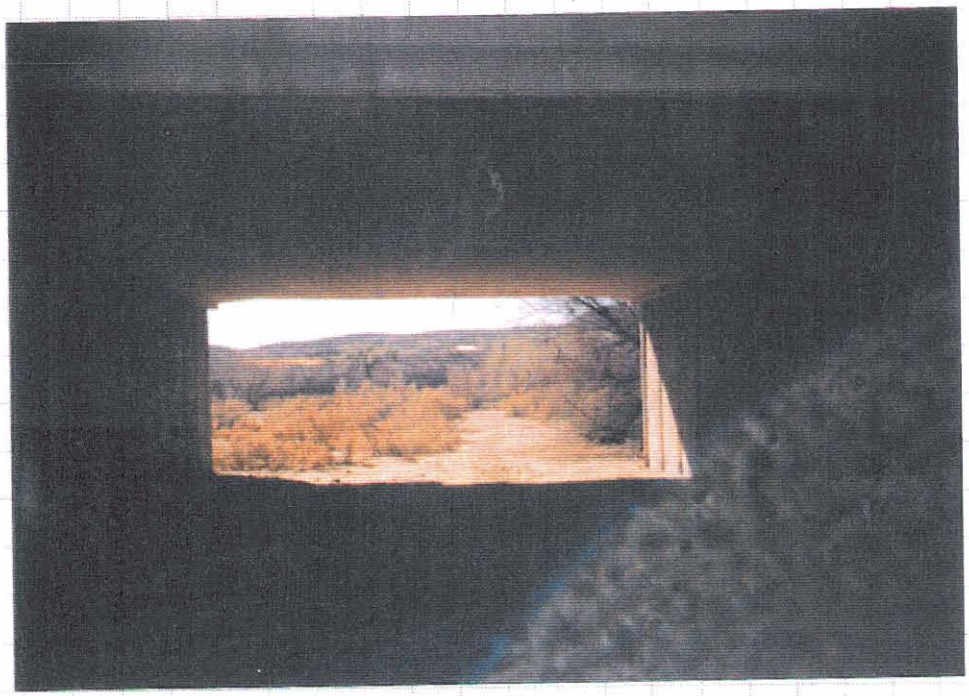

NORTH SIDE PHOTO # 3
WEST - CENTER BARREL

NORTH SIDE PHOTO # 4
WEST BARREL WITH GABION

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DATE ___
DATE ___

NORTH SIDE PHOTO #5
WEST BANK

NORTH SIDE PHOTO #6
EAST BANK

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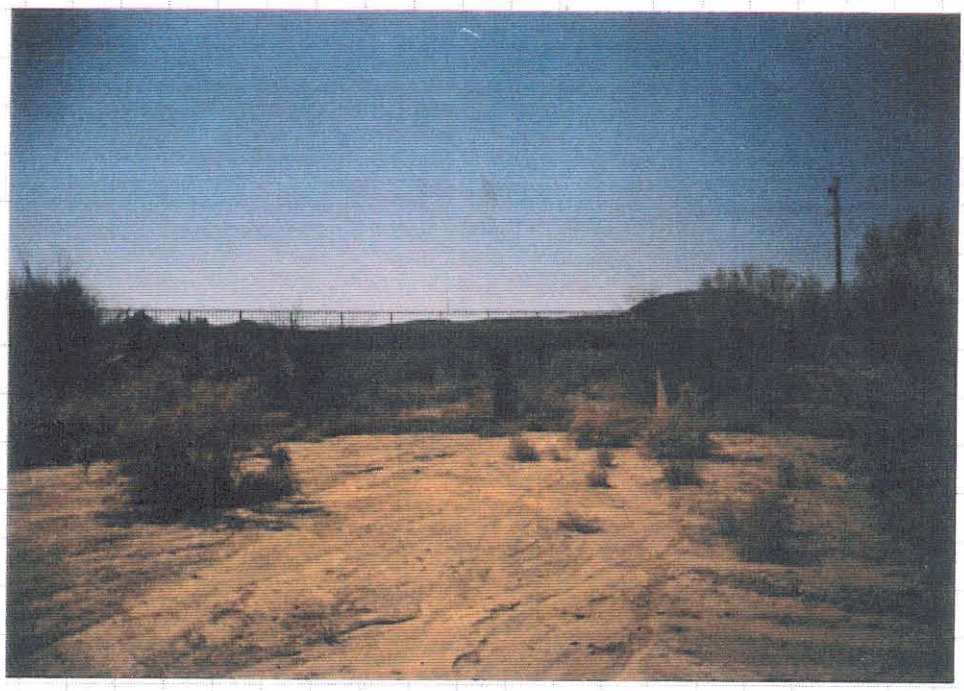
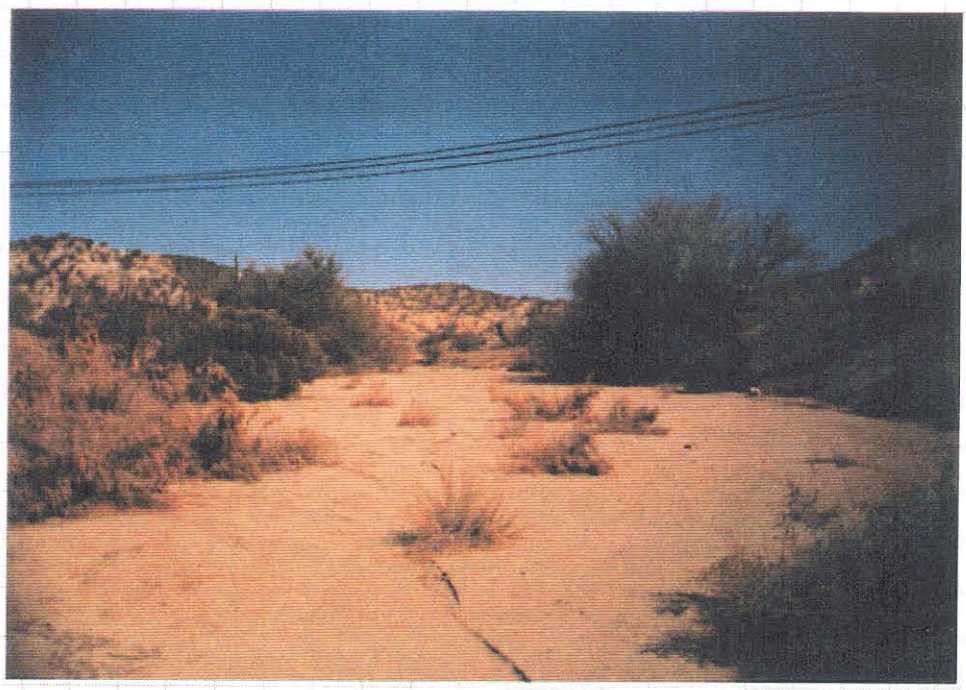
DATE ___
DATE ___



NORTH SIDE PHOTO #7



NORTH SIDE PHOTO #5
CHANNEL TO NORTH

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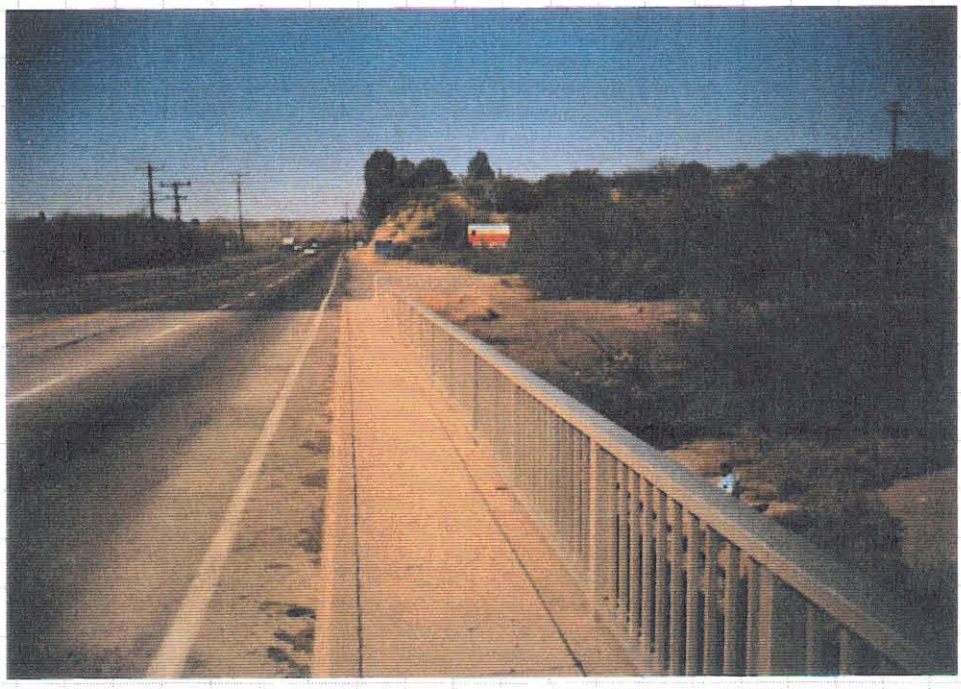
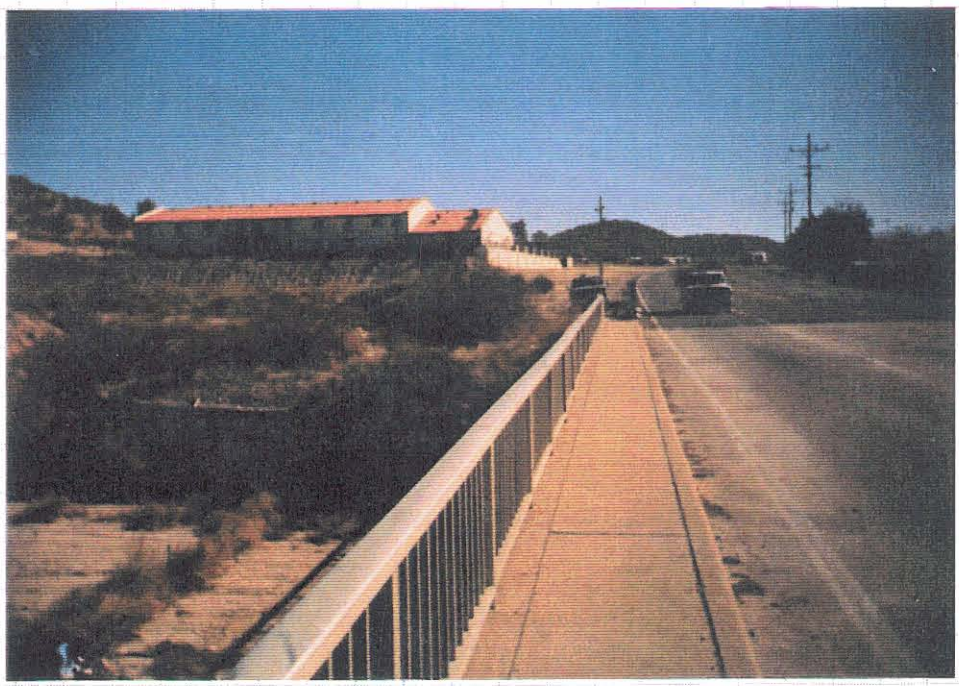
DATE ___
DATE ___



NORTHSIDE SHOULDER PHOTO #9
LOOKING WEST



NORTHSIDE SHOULDER PHOTO #10
LOOKING EAST

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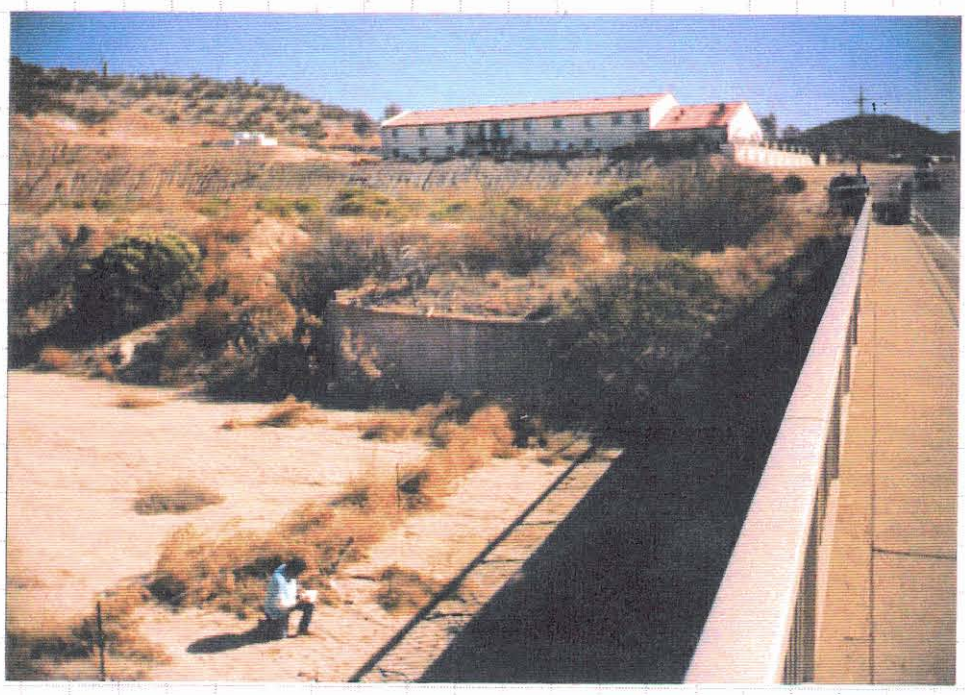
DATE ___



NORTH SIDE PHOTO #11
EAST BANK RETAINING WALL

SOUTH SIDE PHOTO #12
WEST BARREL

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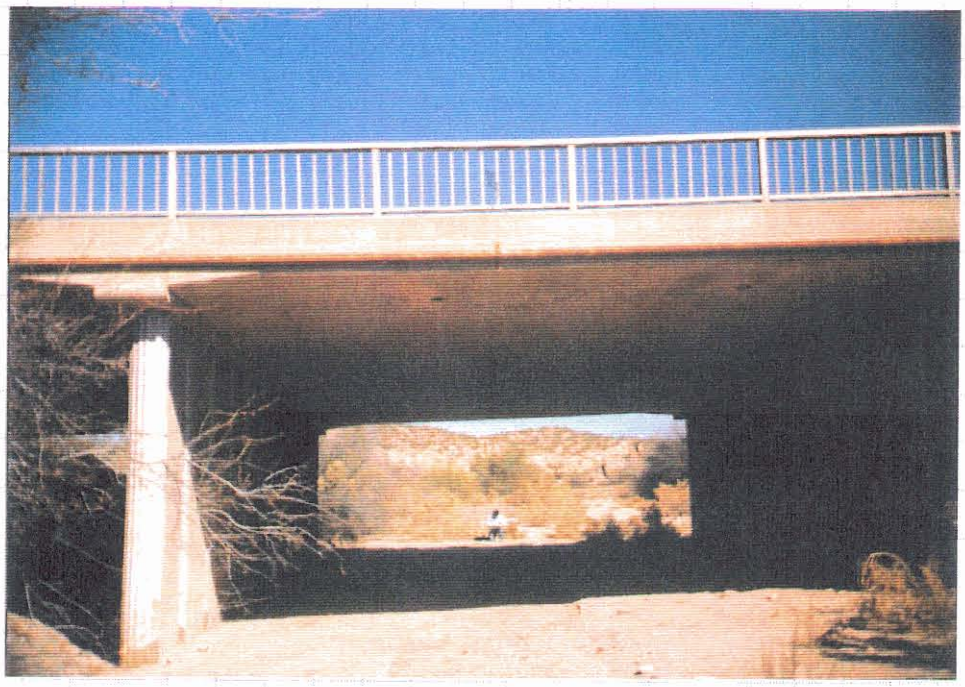
DATE ___



SOUTH SIDE Photo # 13 14
WEST-CENTER BARREL

15
SOUTH SIDE Photo #14
EAST-CENTER BARREL

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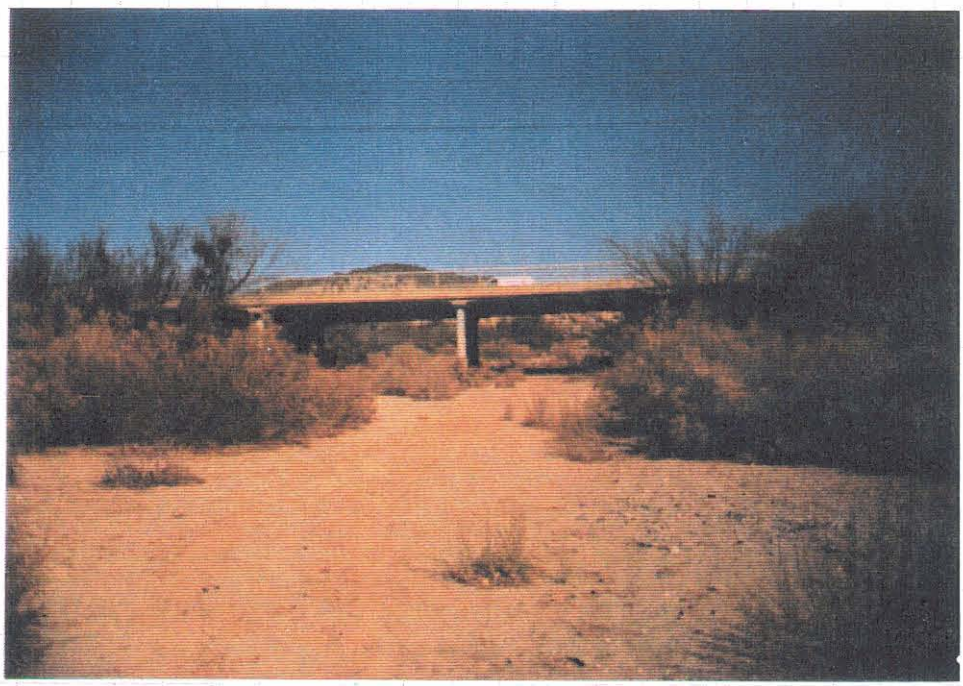
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
DATE

SOUTH SIDE PHOTO #15 16
EAST BARREL



SOUTH SIDE PHOTO #16 17

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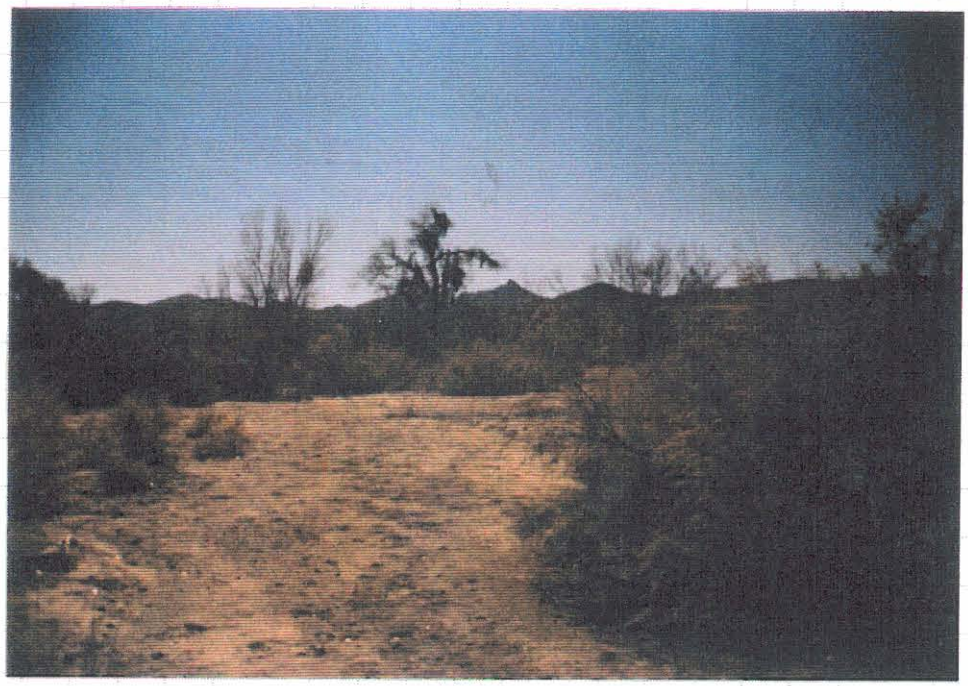
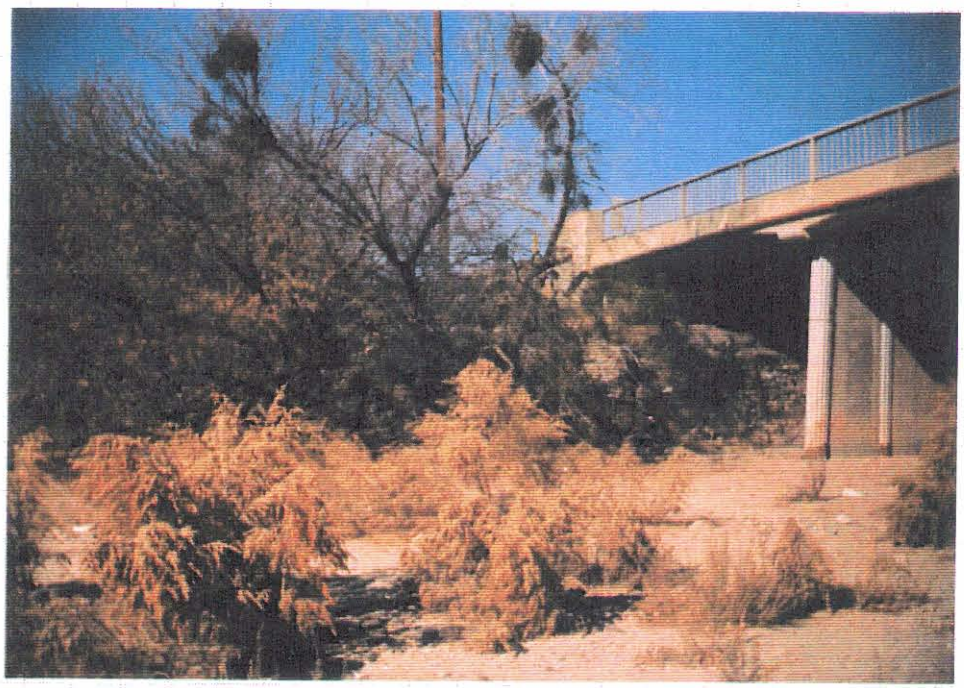
DATE ___
DATE ___



SOUTH SIDE PHOTO #17
CHANNEL TO SOUTH



SOUTH SIDE PHOTO # 18
WEST BANK

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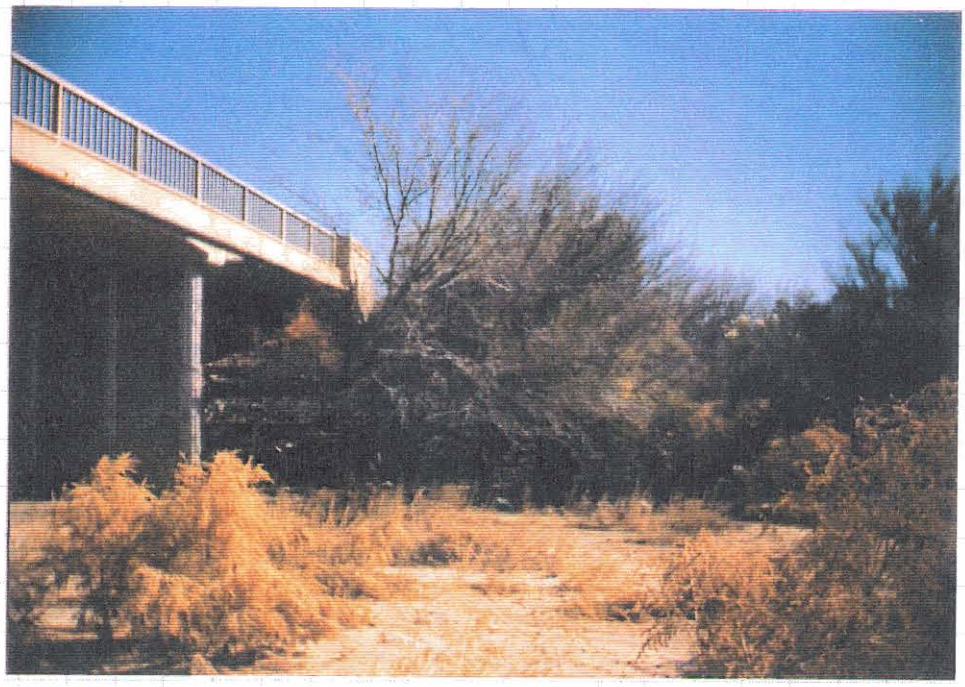
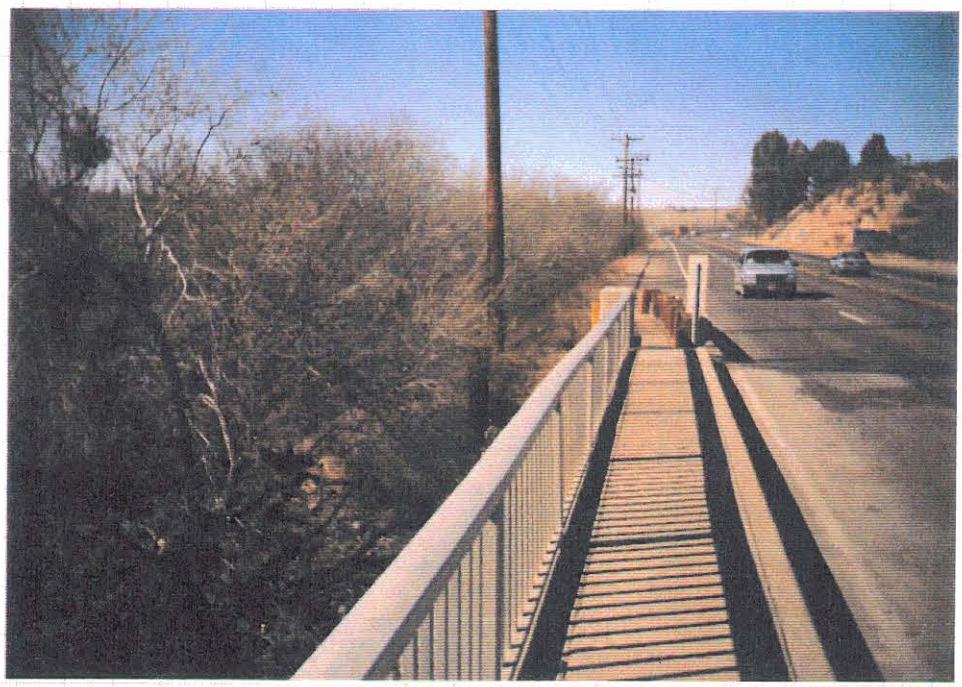


SOUTH SIDE PHOTO # 19
EAST BANK



SOUTH SIDE PHOTO # 20
SHOULDER TO WEST

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PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

SOUTH SIDE PHOTO #21
SHOULDER TO EAST

Blue Tanks Wash (C)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 1.16 MILES N/WLY OF THE INTERSECTION OF S.R. 93 AND THE HASSAYAMPA RIVER

Wash Name: "C"

Party Chief: R. DESMOND

Structure No.

Structure	Diam.	Span	Rise
R.C.B. :			
R.C.P. :			
C.M.P. :			
Other :			

Struct. Cond.: __ Good __ Fair __ Poor

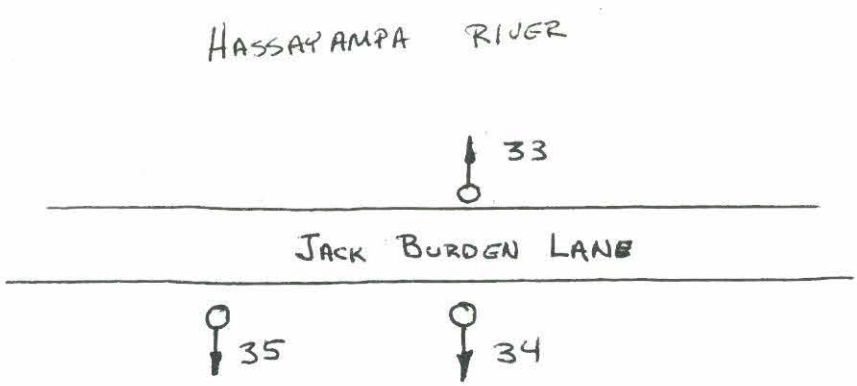
Headwall(s): __ Yes __ No: Cond.: _____

Wingwalls: __ Yes __ No: Cond.: _____

Depth of Available Headwater: _____

No. of Spans or Barrels: _____

ROLL 6



Date: 1/91

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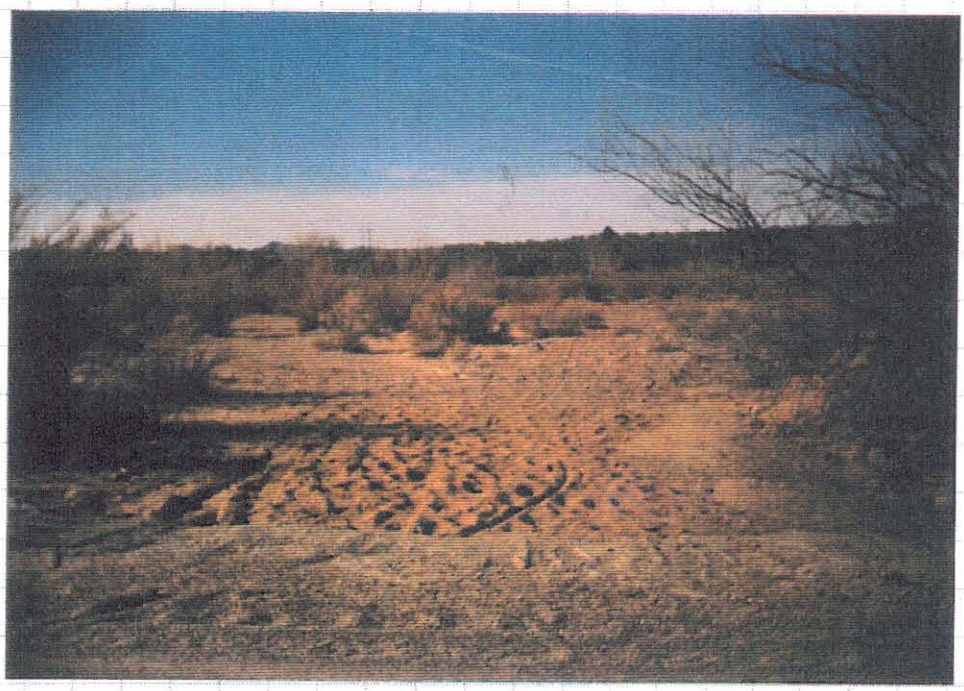
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



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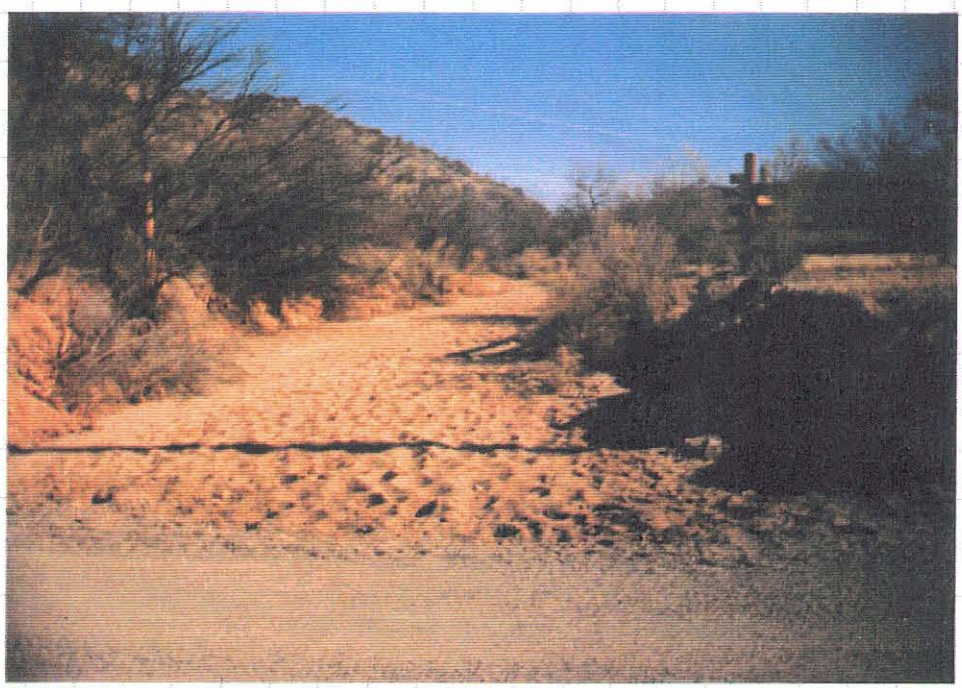

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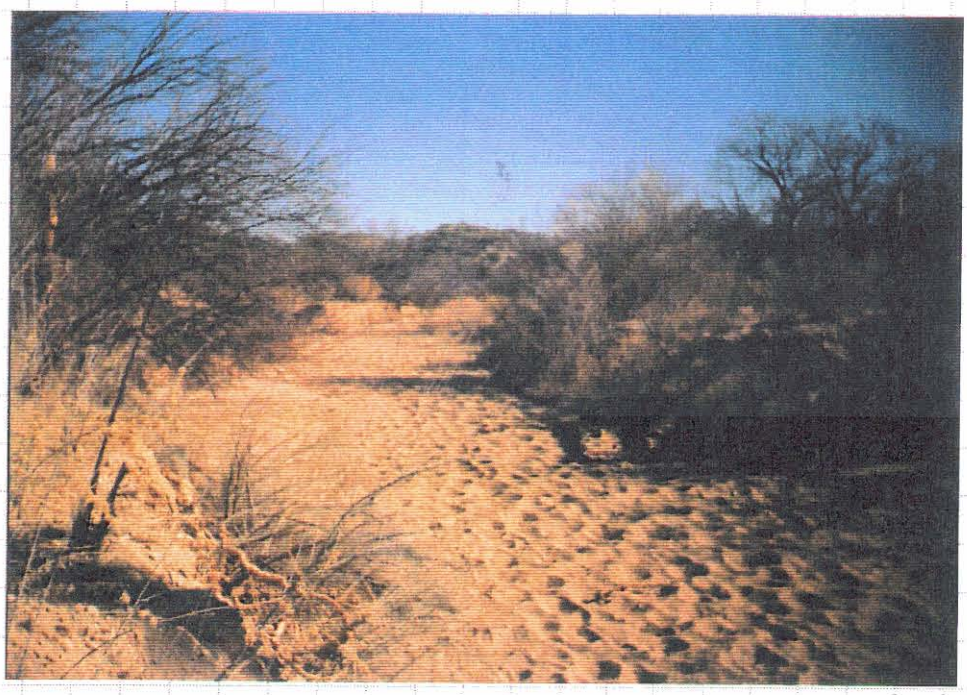
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
DATE



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WASH "C" EAST

Monarch Wash and Tributaries (D)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 5.8 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "D" MONARCH

Party Chief: R. DESMOND

Structure No. D-1

Structure	Diam.	Span	Rise
R.C.B.			
R.C.P.			
C.M.P.			
Other	BRIDGE		

WEST BOUND

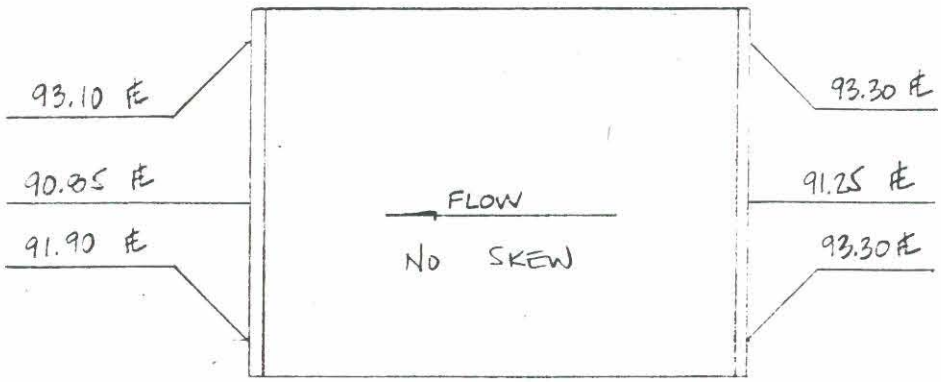
Struct. Cond.: ✓ Good __ Fair __ Poor

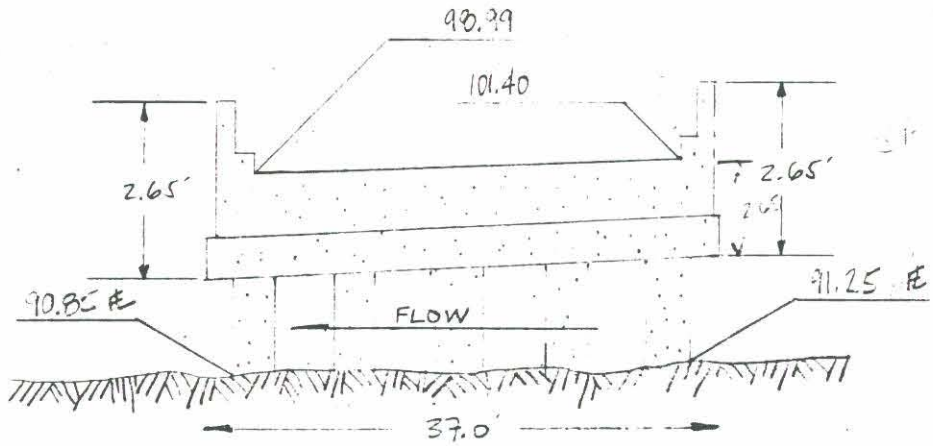
Headwall(s): __ Yes ✓ No: Cond.: _____

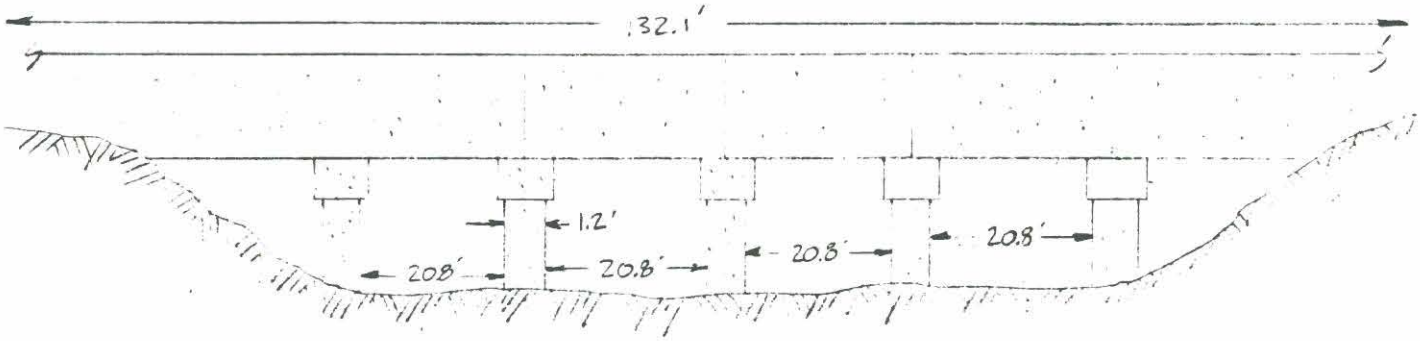
Wingwalls: __ Yes ✓ No: Cond.: _____

Depth of Available Headwater: ± 10.15

No. of Spans or Barrels: 6







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Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 5.8 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "D" MONARCH

Party Chief: R. DESMOND

Structure No. D-1

Structure	Diam.	Span	Rise
R.C.B.			
R.C.P.			
C.M.P.			
Other	BRIDGE		

WEST BOUND

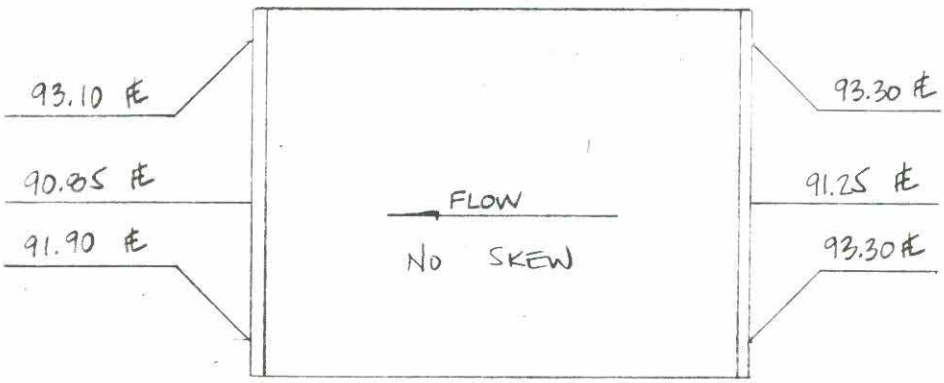
Struct. Cond.: ✓ Good __ Fair __ Poor

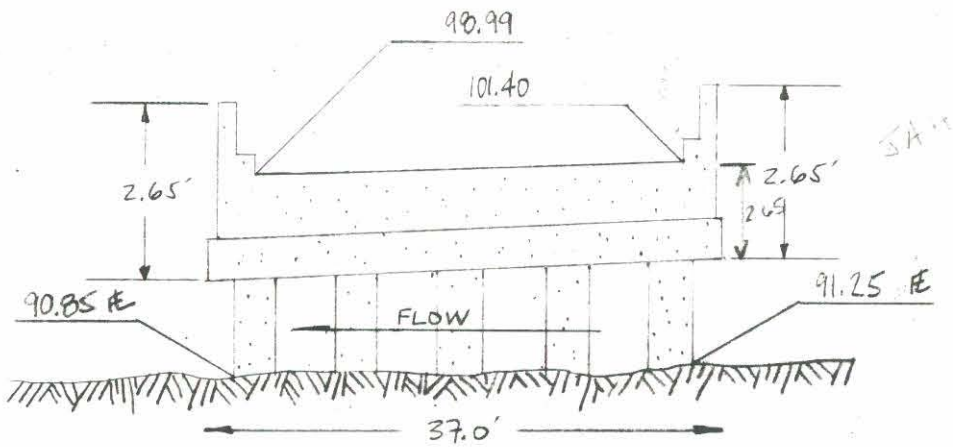
Headwall(s): __ Yes ✓ No: Cond.: _____

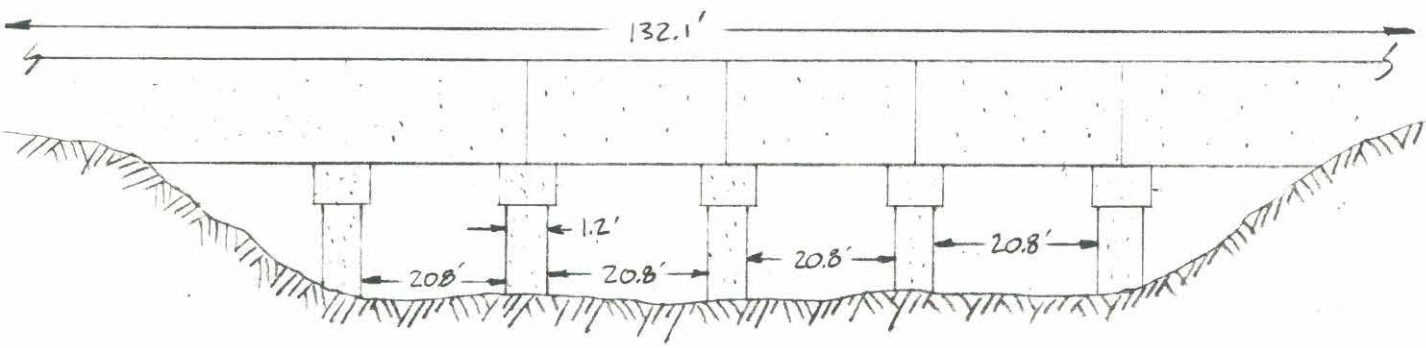
Wingwalls: __ Yes ✓ No: Cond.: _____

Depth of Available Headwater: ± 10.15

No. of Spans or Barrels: 6







Date: 1/91

Morrison Maierle/CSSA

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 5.8 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "D" MONARCH

Party Chief: R. DESMOND

Structure No. D-2 EAST BOUND

Structure	Diam.	Span	Rise
R.C.B.			
R.C.P.			
C.M.P.			
Other	BRIDGE		

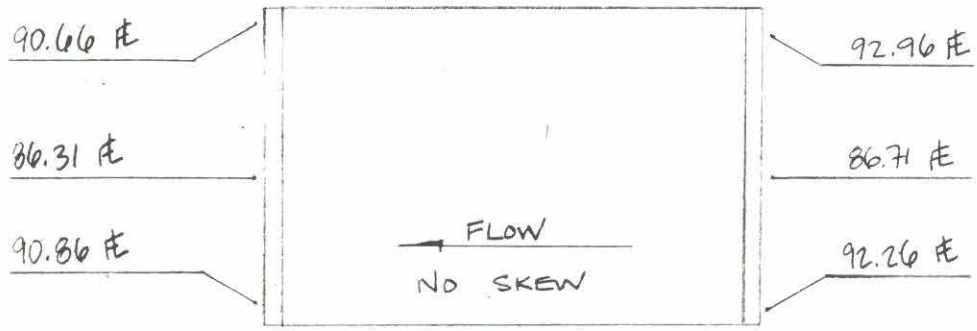
Struct. Cond.: ✓ Good __ Fair __ Poor

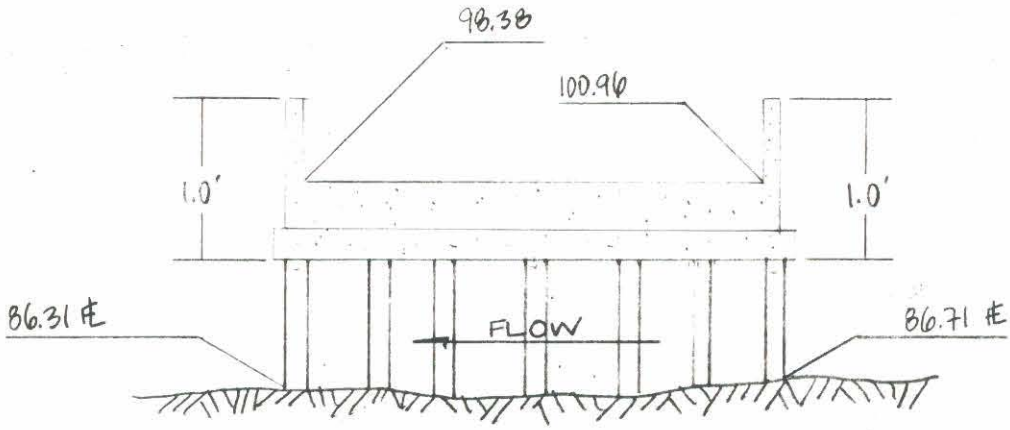
Headwall(s): __ Yes ✓ No: Cond.: _____

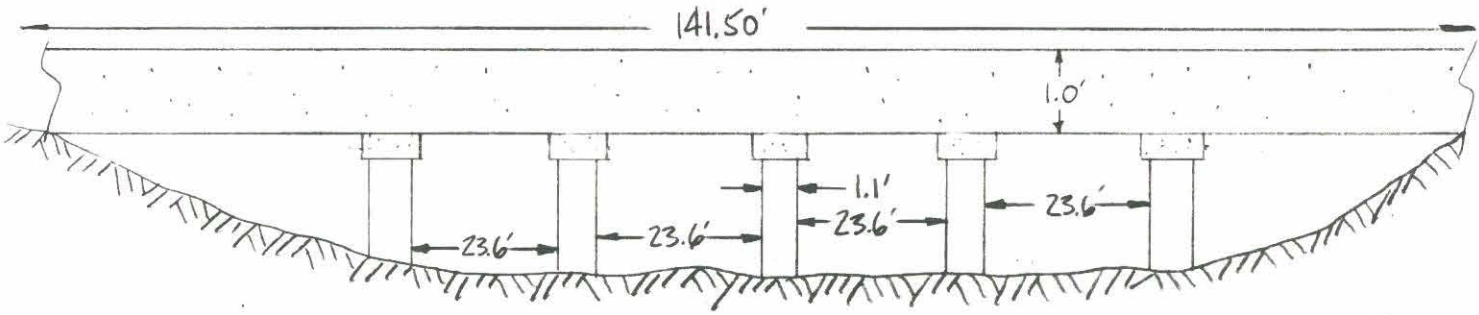
Wingwalls: __ Yes ✓ No: Cond.: _____

Depth of Available Headwater: _____

No. of Spans or Barrels: 6







Date: 1/91

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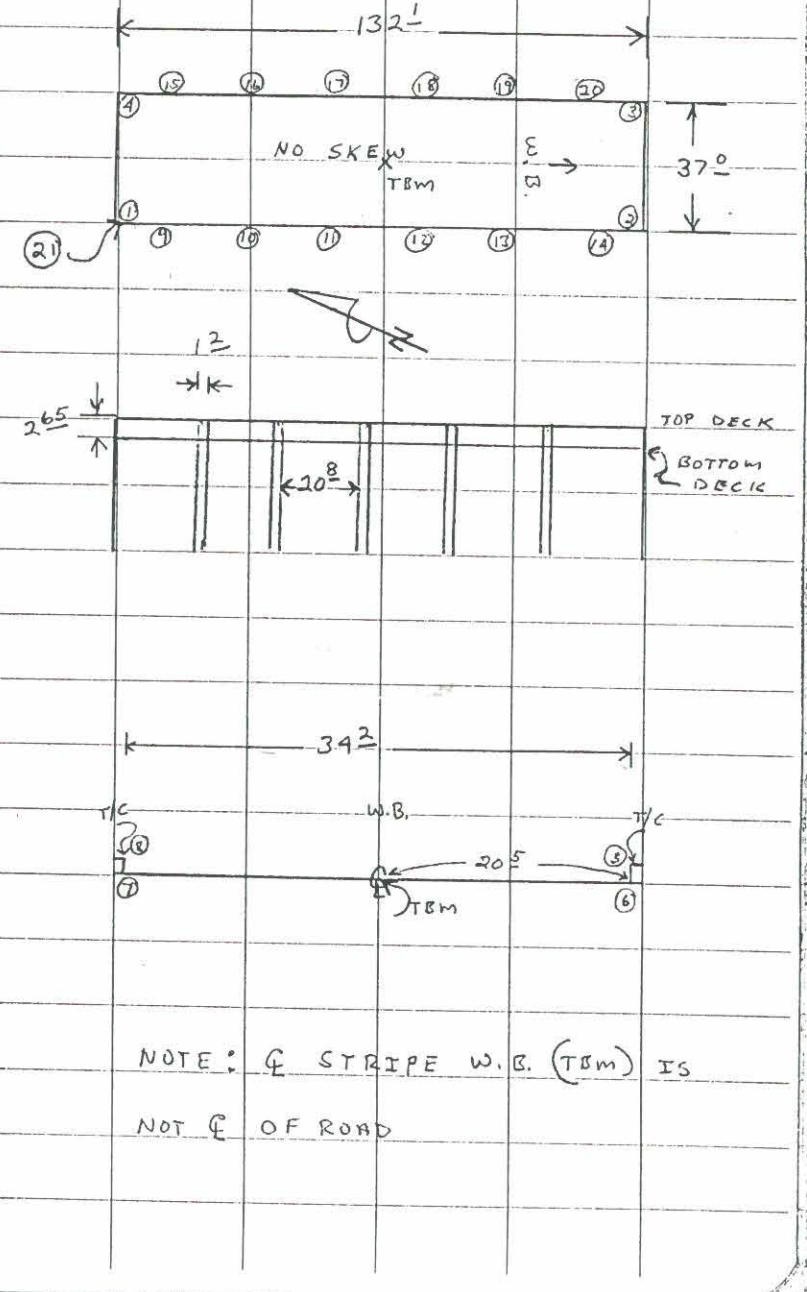
S-10 W.B.
MONARCH WASH BRIDGE

STA	+	HI	-	ELEV	
TBm	5.94	105.94		100.00	ASSUMED ℄ STRIPE W.B.
1			4.36	101.58	G
2			4.72	101.22	G
3			7.23	98.71	G
4			6.66	99.28	G
5			3.92	102.02	T/C RT
6			4.54	101.40	G
7			6.96	98.98	G
8			6.47	99.47	T/C LT
9			12.6	93.3	E
10			14.8	91.1	"
11			14.6	91.3	"
12			14.7	91.2	"
13			14.3	91.6	"
14			12.6	93.3	"
15			14.0	91.9	"
16			14.6	91.3	"
17			15.0	90.9	"



NOTE: ℄ STRIPE W.B. (TBm) IS NOT ℄ OF ROAD

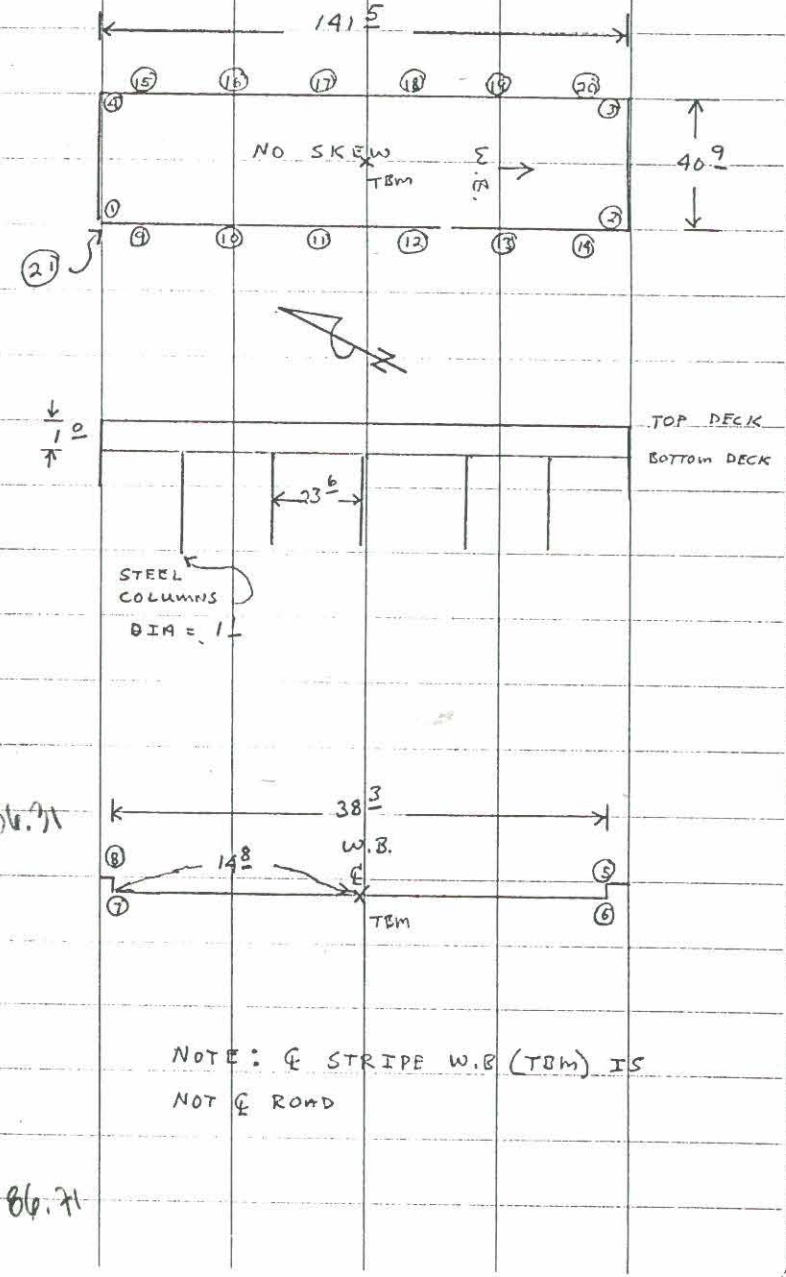
S-10 W.B.
CONT.

	STA	+	HI	-	ELEV	
B			105.94			
	18			15.1	90.8	E
T	19			15.6	90.3	"
	20			12.8	93.1	E
	21			3.66	102.28	
T						
TB						

ADOT B.C STA 1092 + 42.4 ELEV 1919.11

S-10 E.B.
MONARCH WASH BRIDGE

STA	+	HI	-	ELEV	ASSUMED ℄ STRIPE W.B.
TBm	5.76	105.76		100.00	
1			7.02	98.74	G
2			7.75	98.01	G
3			5.21	100.55	G
4			4.39	101.37	G
5			6.66	99.10	T/C RT
6			7.35	98.41	G
7			4.78	100.98	G
8			4.06	101.70	T/C LT
9			15.1	90.66	E
10			19.7	86.06	"
11			19.6	86.16	" > 86.71
12			19.3	86.46	"
13			18.5	87.26	"
14			14.9	90.86	"
15			12.8	92.96	"
16			19.3	86.46	"
17			19.1	86.66	" > 86.71
18				86.76	FL



NOTE: ℄ STRIPE W.B (TBm) IS NOT ℄ ROAD

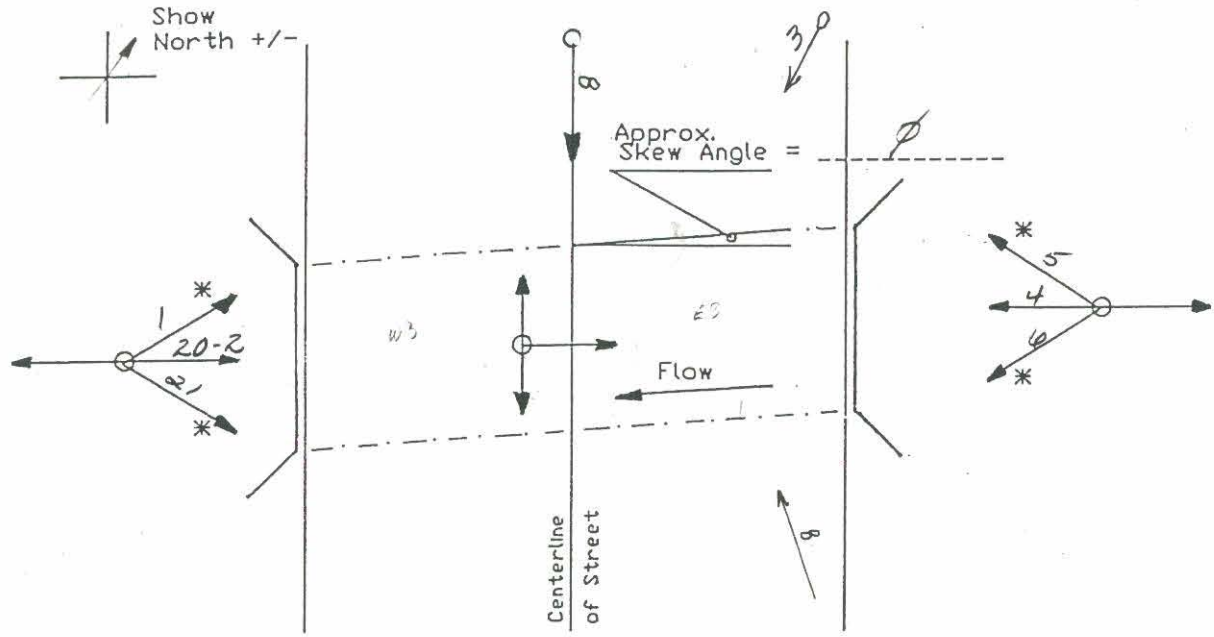
S-10 E.B.
CONT

	STA	+	HI	-	ELEV	
B			105.76			
	18			19.0	86.76	℄
L	19			18.2	87.56	"
	20			13.5	92.26	℄
	21			6.25	99.51	
T						
TB						

ADOT BC STA 1092+13.55 ELEV 1918.97

WICKENBURG
90.022
S-10 MONARCH

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖⟶): Roll No. 1 & 2



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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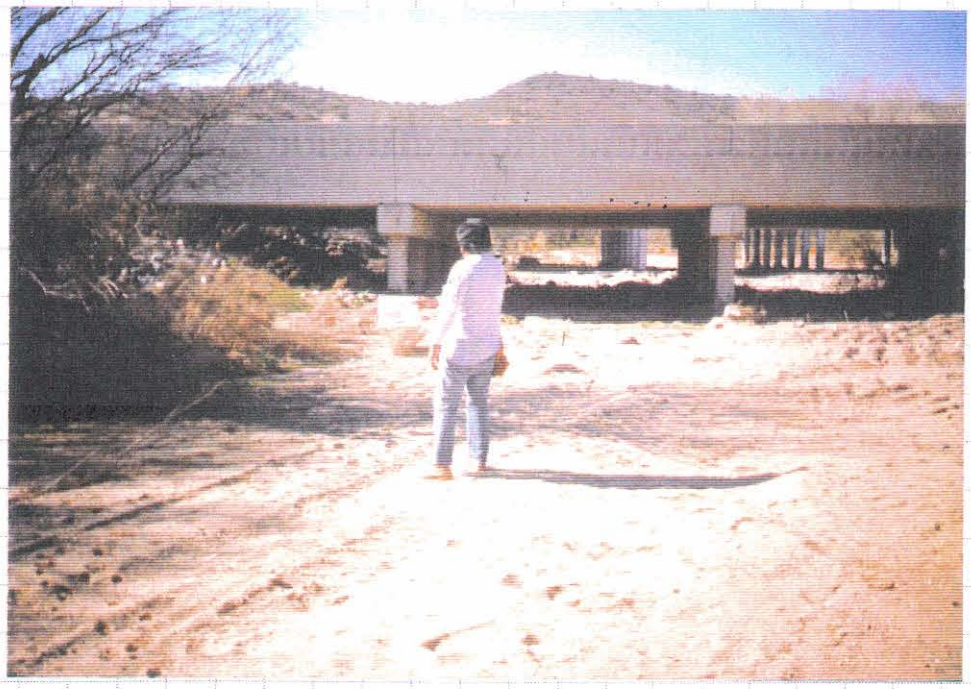
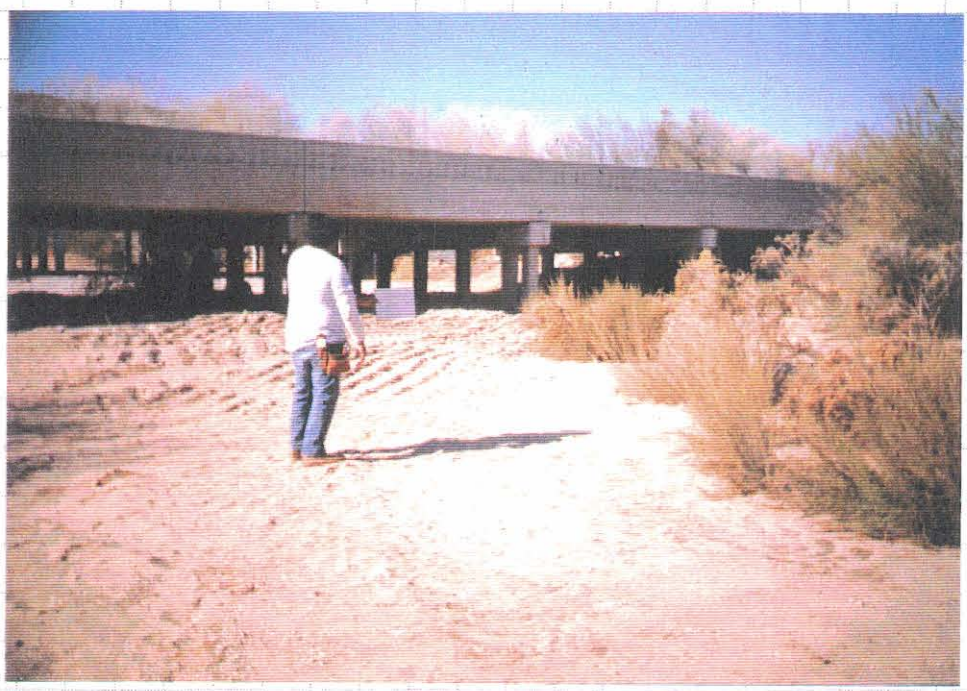
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
MONARCH WASH DATE



MONARCH WASH PHOTO #20
WEST BOUND - LOOKING SOUTH



MONARCH WASH PHOTO #21
WEST BOUND LOOKING SOUTH

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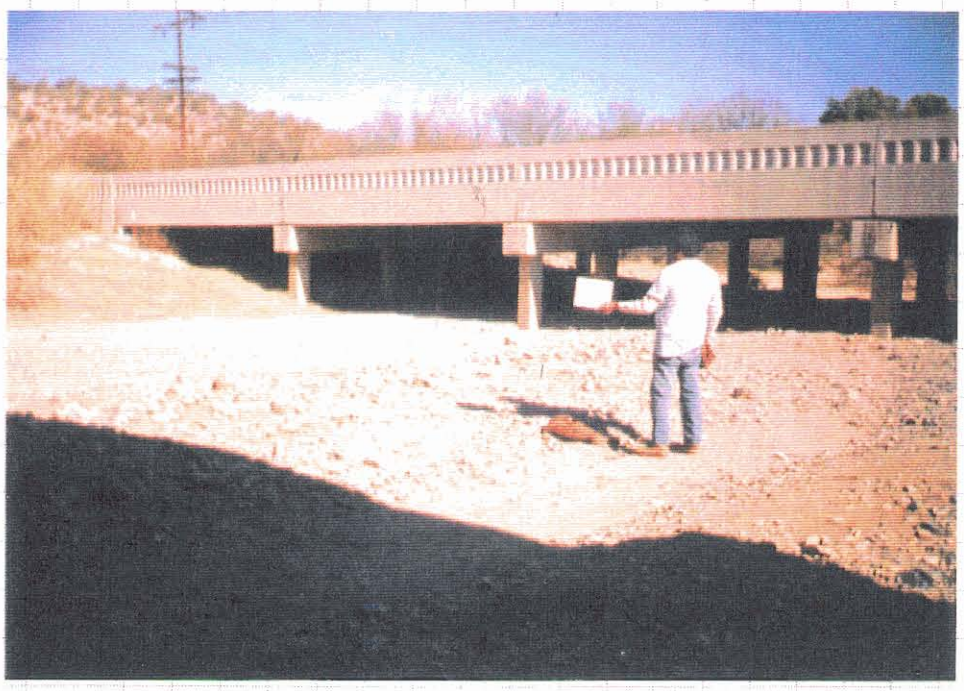
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
MONARCH WASH DATE ___



WEST BOUND STRUCTURE - LEFT SIDE
MONARCH WASH PHOTO #1

WEST BOUND STRUCTURE - LEFT SIDE
MONARCH WASH PHOTO #2

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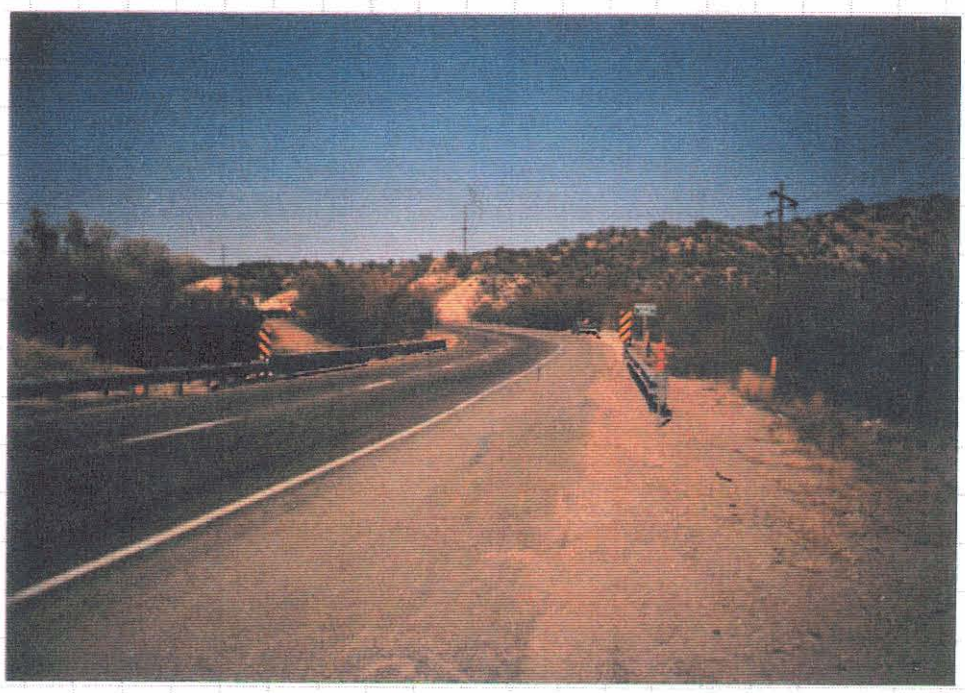
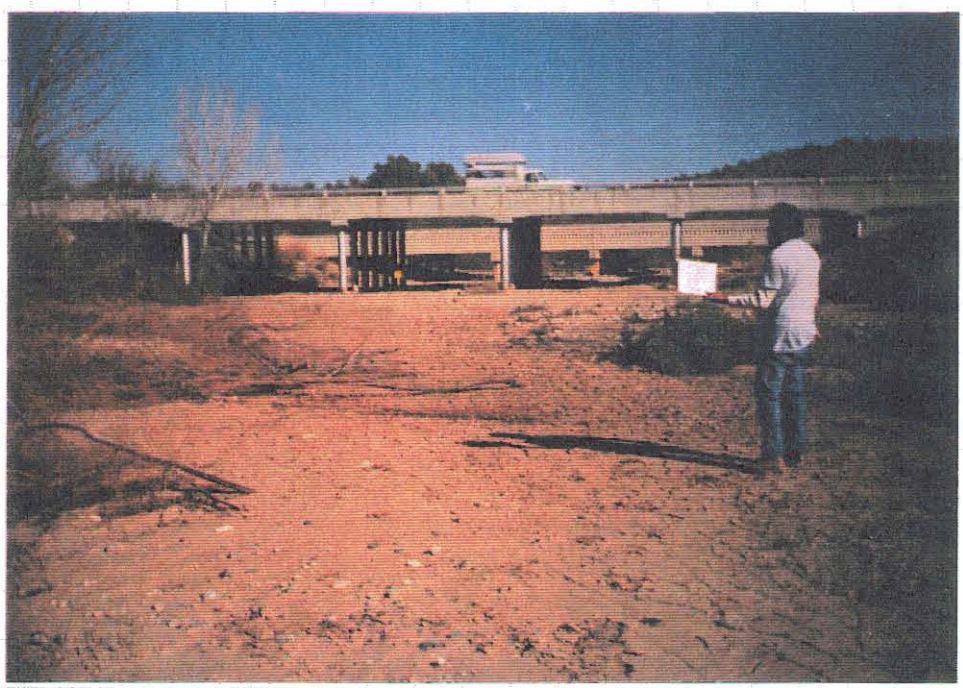
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
MONARCH WASH DATE ___



WEST BOUND STRUCTURE PHOTO #3
MONARCH WASH
LOOKING NORTHWESTERLY



EAST BOUND STRUCTURE PHOTO #4
MONARCH WASH

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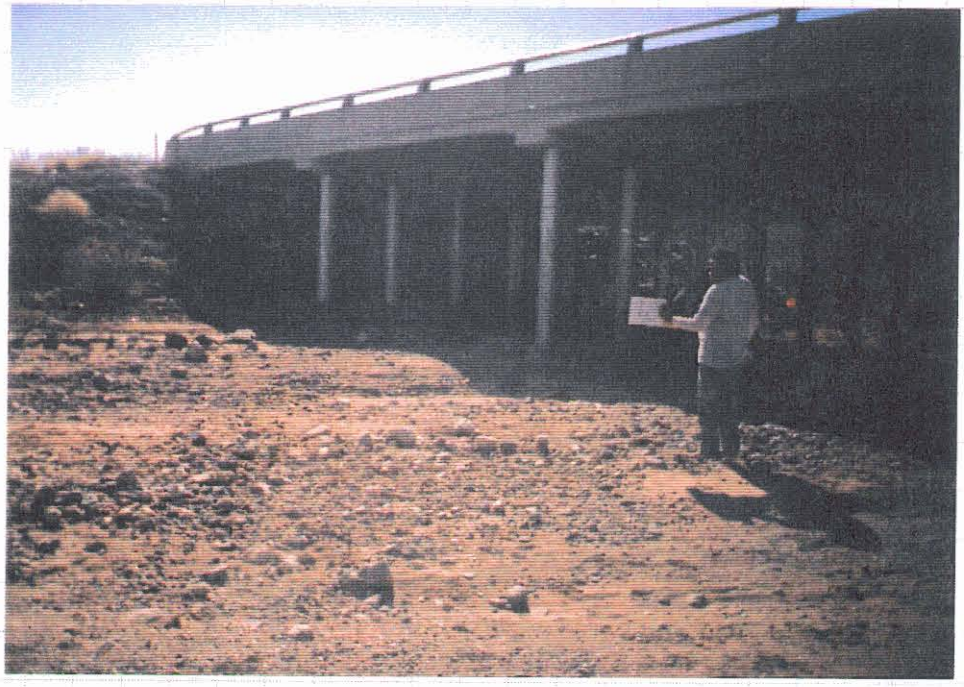
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
MONARCH WASH DATE

EAST BOUND STRUCTURE - RIGHT SIDE PHOTO #5
MONARCH WASH
LOOKING NORTH



EAST BOUND STRUCTURE - RIGHT SIDE PHOTO #6
MONARCH WASH
LOOKING SOUTH

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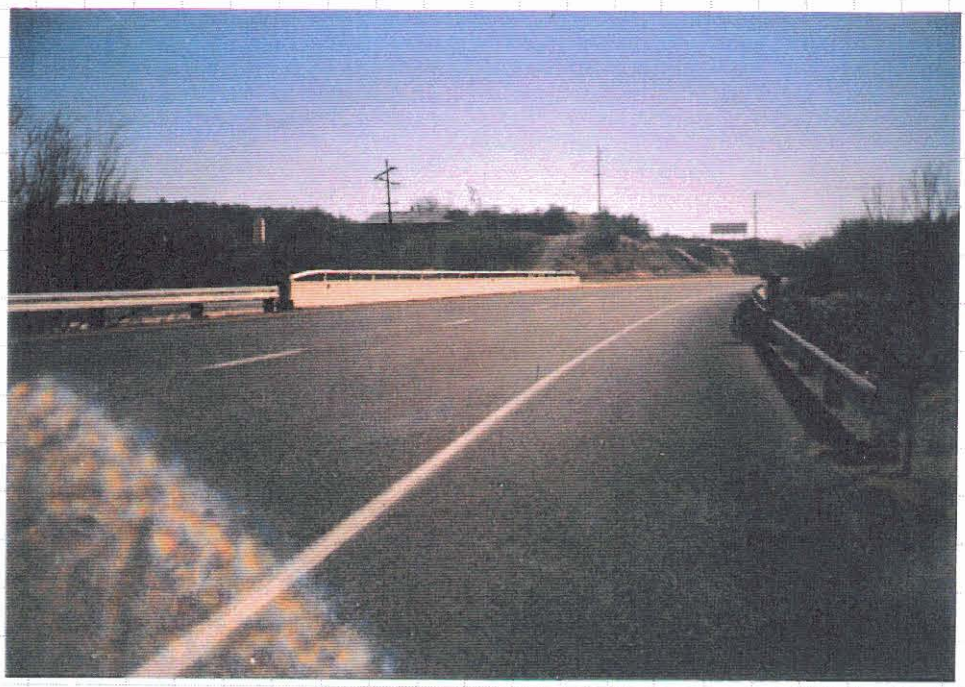
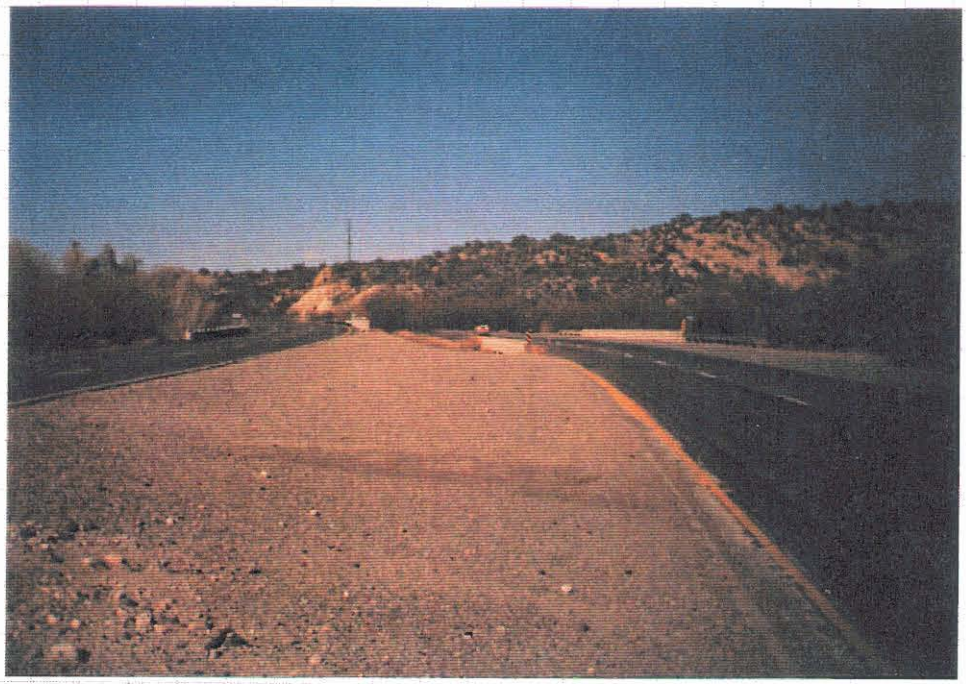
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
MONARCH WASH DATE ___



EAST BOUND STRUCTURE PHOTO # 7
MONARCH WASH
LOOKING NORTHEASTERLY



EAST AND WESTBOUND STRUCTURES PHOTO # 8
MONARCH WASH
LOOKING NORTH WESTERLY

Mockingbird Wash and Tributaries (E)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 8.26 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD

Wash Name: "E"

Party Chief: R. DESMOND

Structure No. E-1 WEST BOUND

Structure	Diam.	Span	Rise
R.C.B.	:	20' x ? x 41'7"	
R.C.P.	:		
C.M.P.	:		
Other	:		

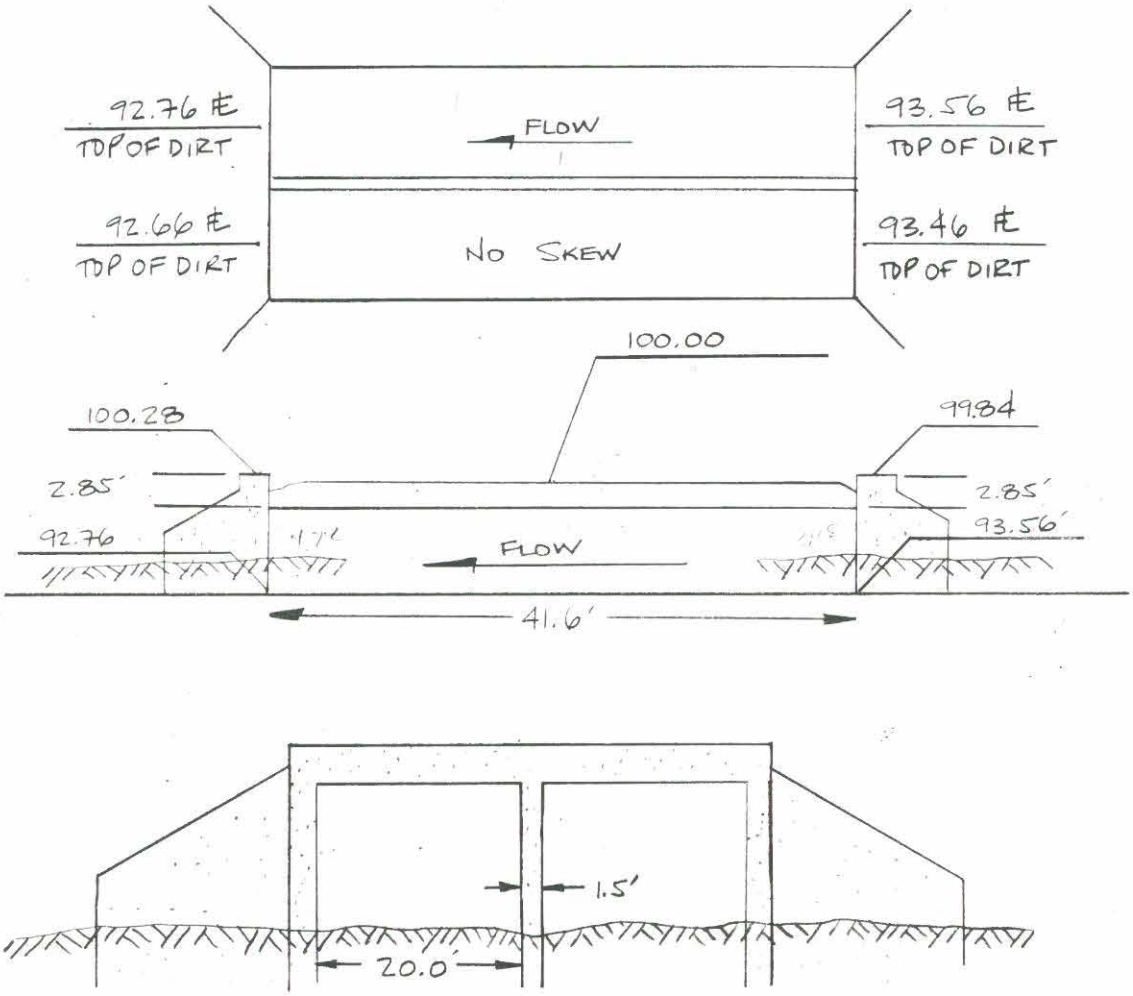
Struct. Cond.: ✓ Good __ Fair __ Poor

Headwall(s): ✓ Yes __ No: Cond.: GOOD

Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 6.44'

No. of Spans or Barrels: 2



Date: 1/91

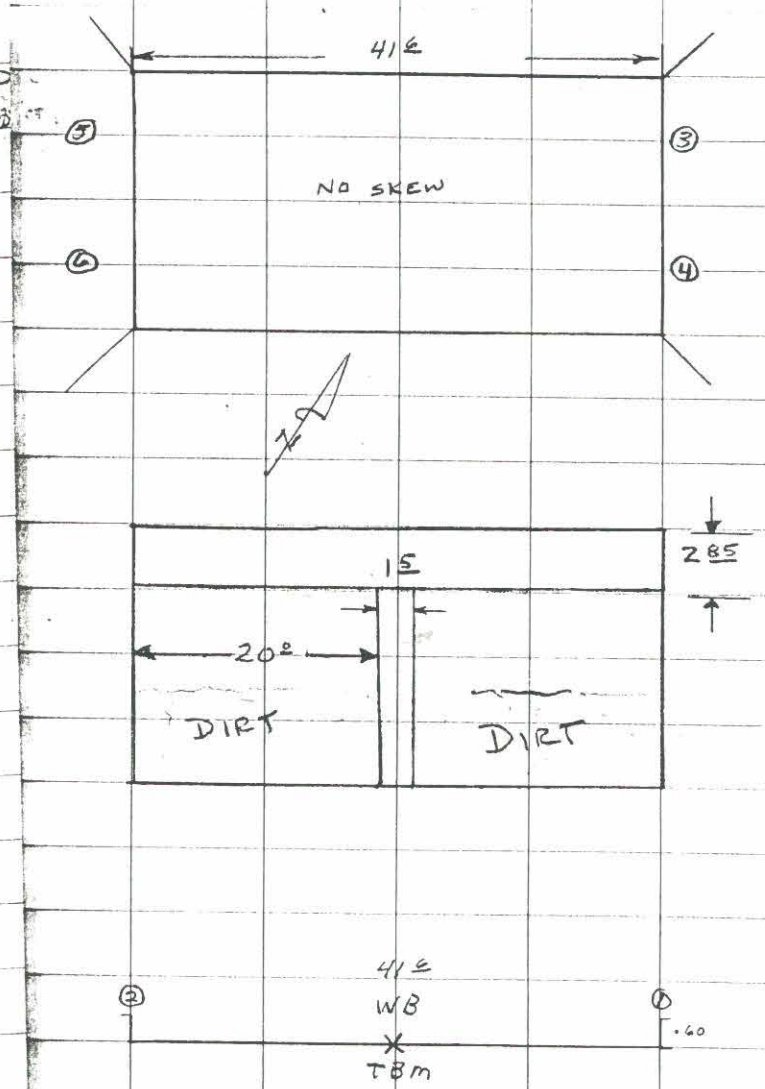
Morrison Maierle/CSSA

1-30-91 S-16 WB RT.
L.G.
A.S. 2 BARREL R.C.B

STA	+	HI	—	ELEV.	
TBM	3.66	103.66		100.00	ASSUMED ℄ STRIPE WB RT
①			3.82	99.84	EP
②			3.38	100.28	EP
③			10.1	93.56	HE
④			10.2	93.46	HE
⑤			10.9	92.76	HE
⑥			11.0	92.66	HE

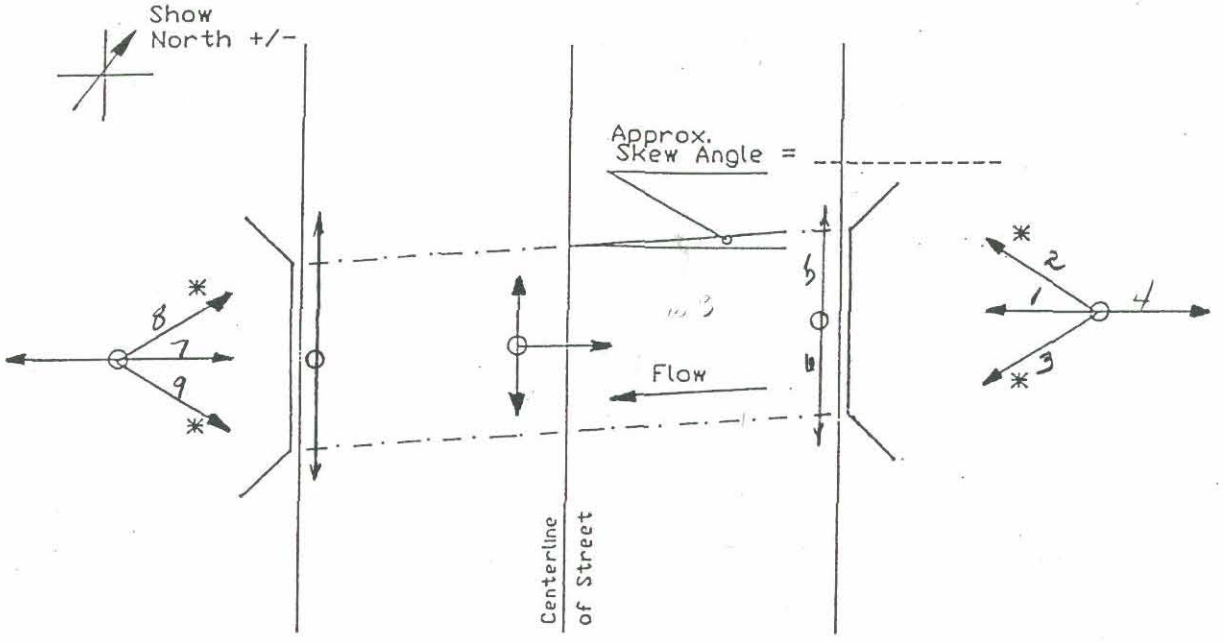
PHOTO ARRANGEMENTS

1 SIGN
2 N. HEADWALL
3 W. WING WALL
4 E. " "
5 CHANNEL TO NORTH
6 N. SHOULDER LOOKING WEST
7 " " " EAST
8 S. HEADWALL
9 W. WING WALL
10 E. WING WALL



WICKENSKA
90-022
S-16 WB

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊙——►): Roll No. 4



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 8.26 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: NONE

Party Chief: R. DESMOND

Structure No. E-2 EAST BOUND

Structure	Diam.	Span	Rise
R.C.B.	4-10' x ? x 56' 6"		
R.C.P.			
C.M.P.			
Other			

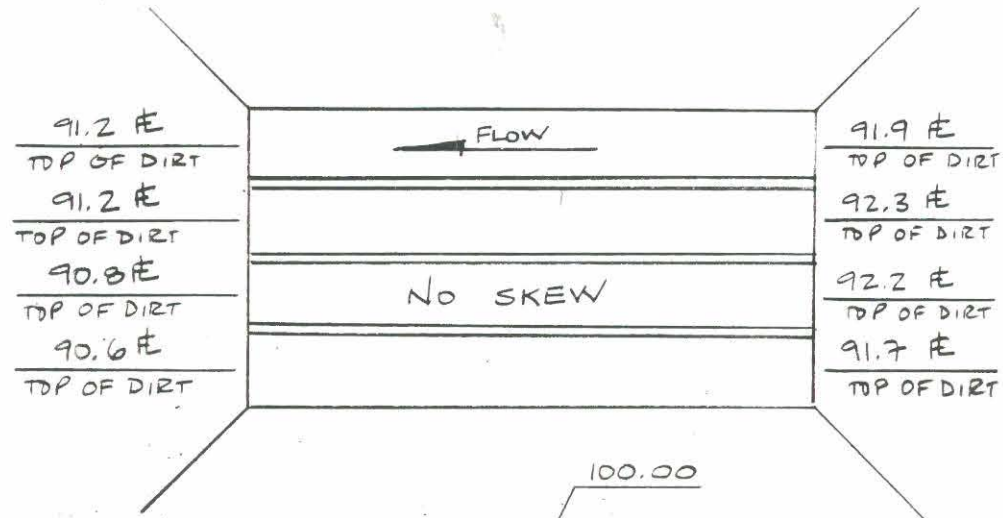
Struct. Cond.: ✓ Good __ Fair __ Poor

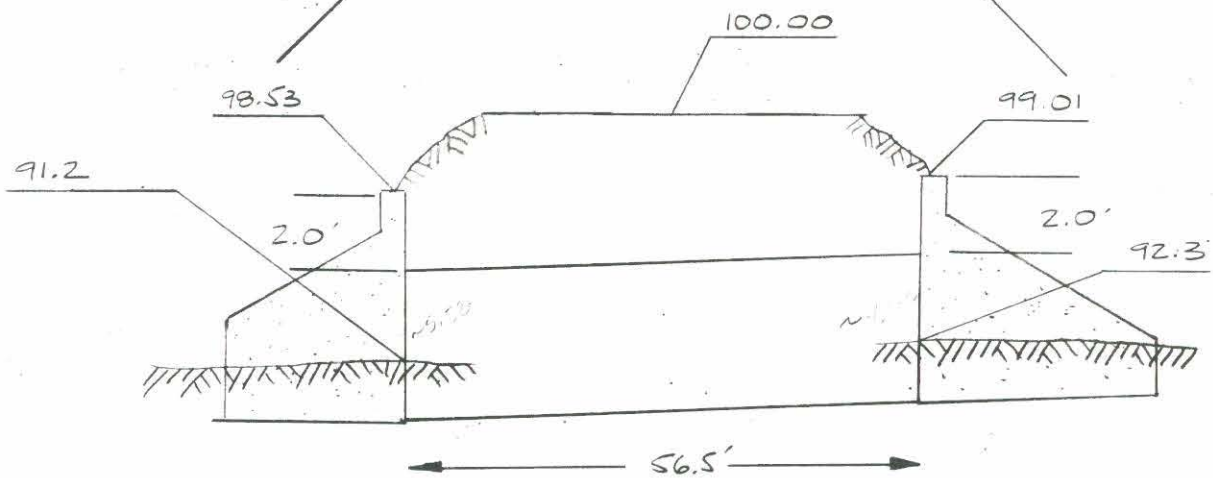
Headwall(s): ✓ Yes __ No: Cond.: GOOD

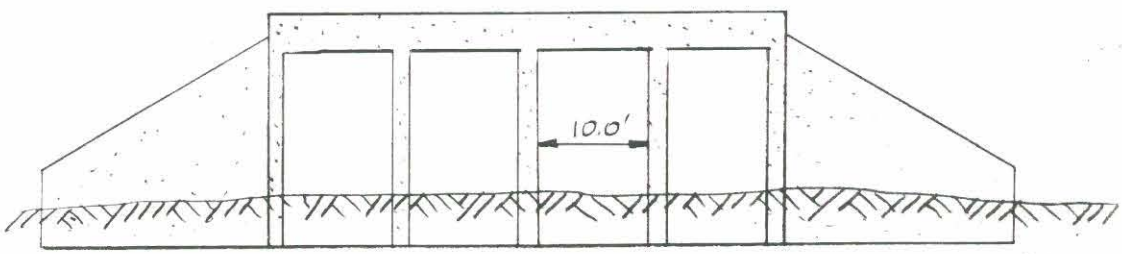
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ±7.7'

No. of Spans or Barrels: 4





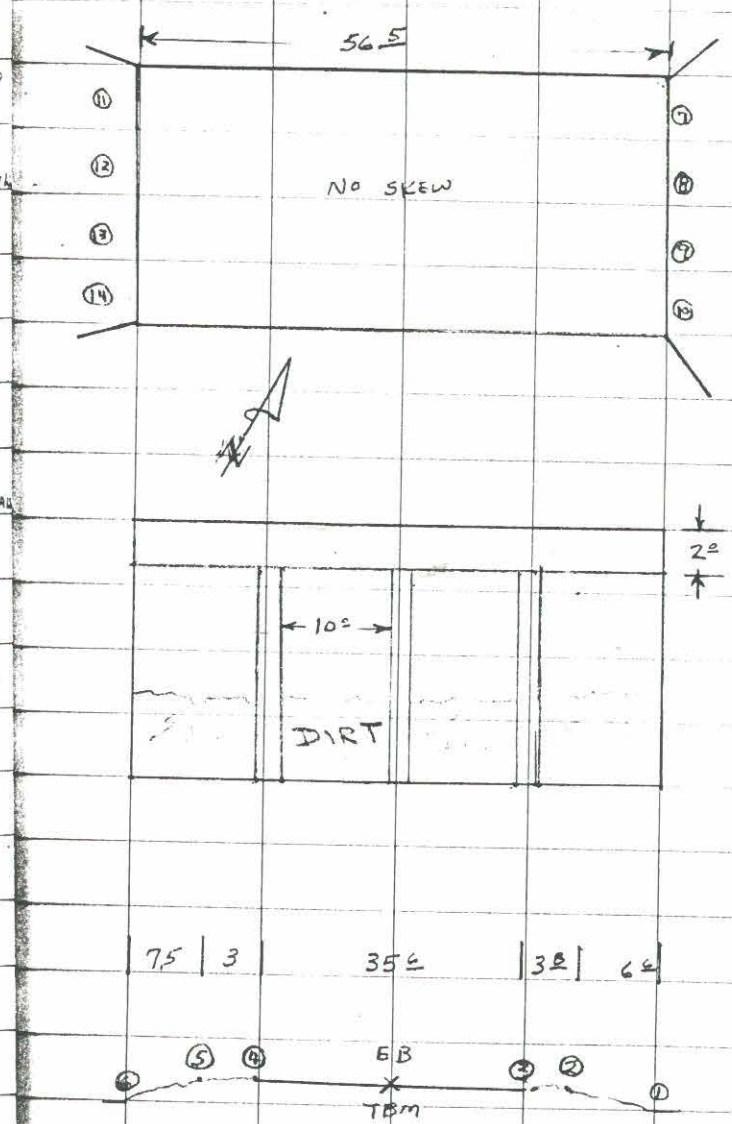


Date:_____

Morrison Maierle/CSSA

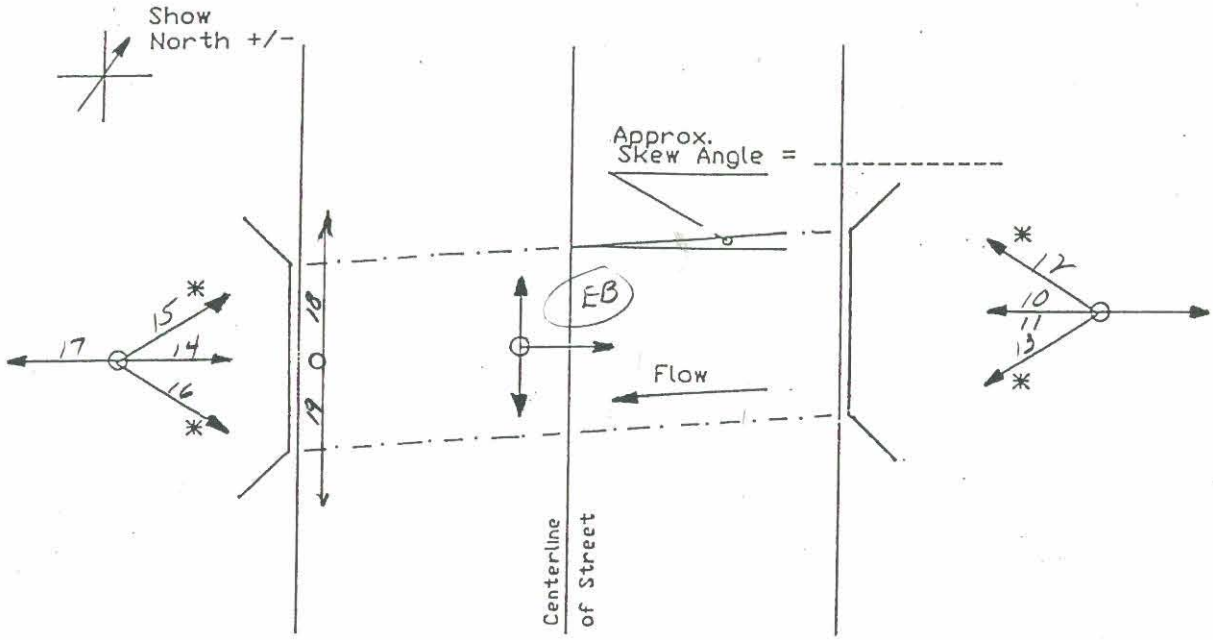
S-16 EB
4 BARREL R.C.B.

STA	+	HI	−	ELEV.	
TBM	4.34	104.34		100.00	ASSUMED ℄ STRIPE EB
1			5.33	99.01	TOP HEADWALL
2			4.7	99.6	BRK.
3			4.61	99.73	EP
4			4.12	100.22	EP
5			4.1	100.2	BRK
6			5.81	98.53	TOP HEADWALL
7			12.4	91.9	IE
8			12.0	92.3	IE
9			12.1	92.2	IE
10			12.6	91.7	IE
11			13.1	91.2	IE
12			13.1	91.2	IE
13			13.5	90.8	IE
14			13.7	90.6	IE



Willowbrook
90-022
S-16 EB

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖——→): Roll No. 4



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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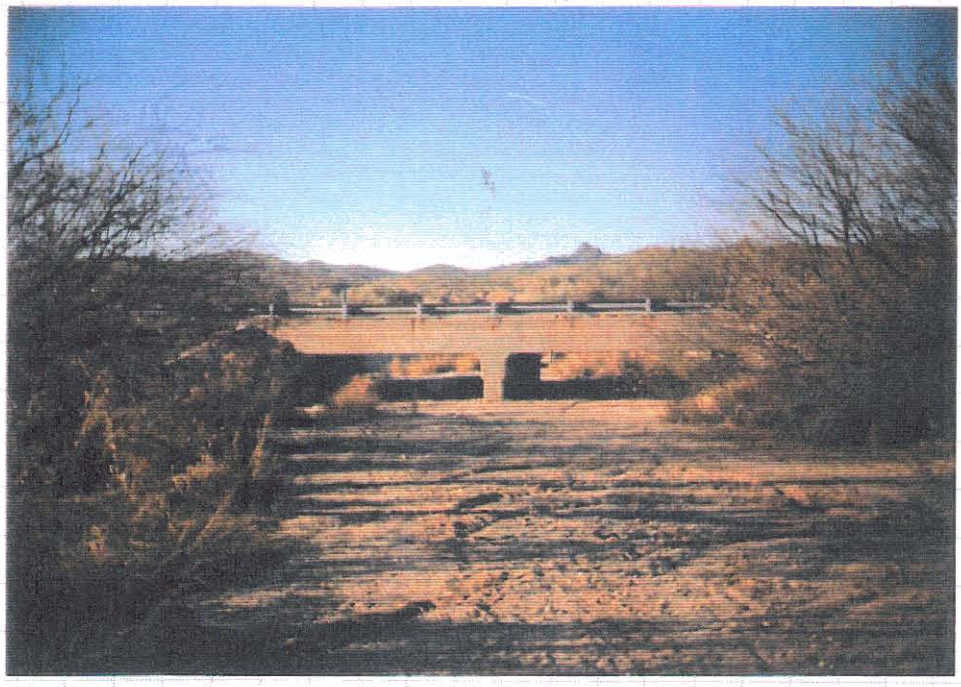
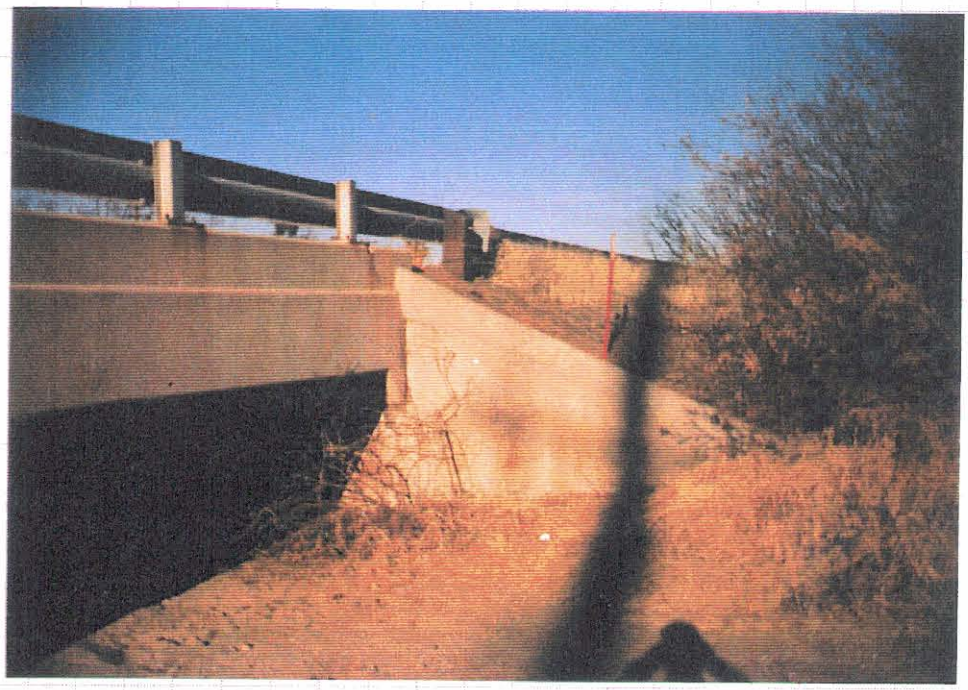
PROJECT WILKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



WESTBOUND STRUCTURE PHOTO #1 2
HEADWALL



WESTBOUND STRUCTURE PHOTO #2 3
WEST WINGWALL

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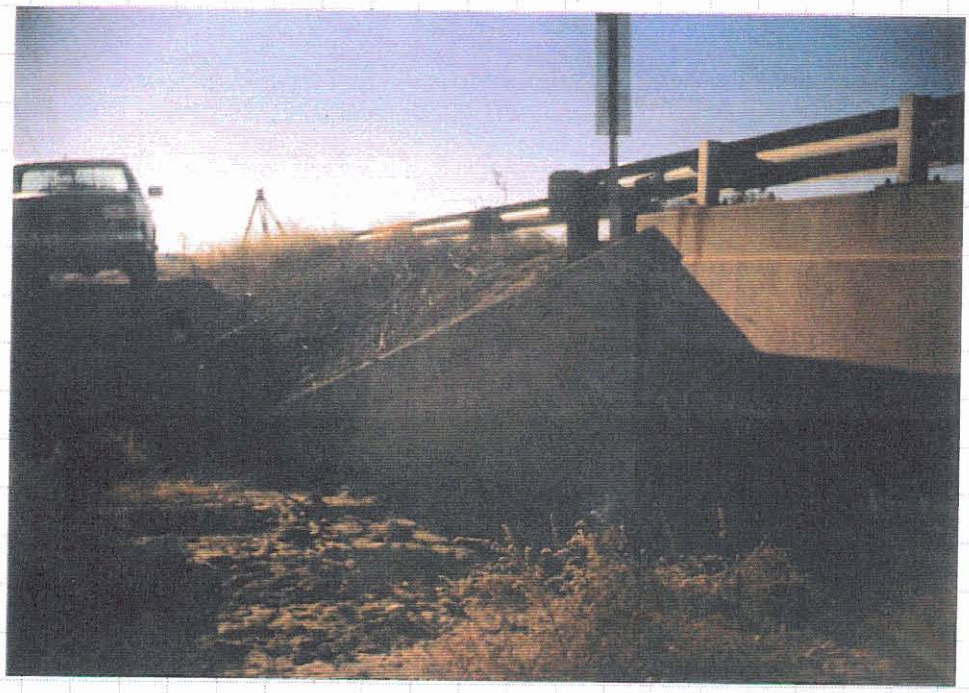
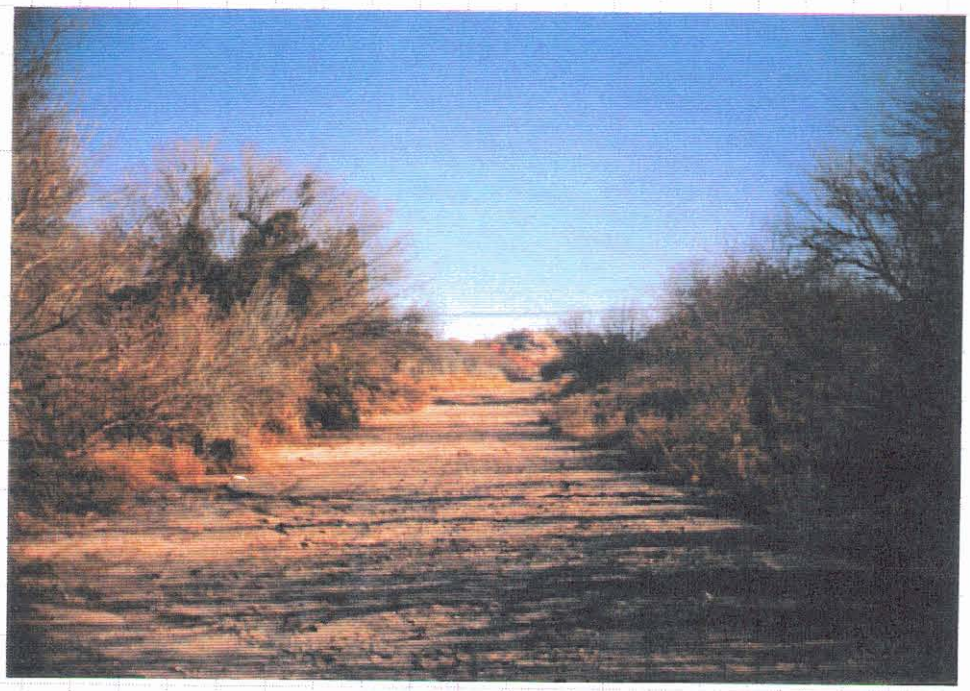
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
DATE



WESTBOUND STRUCTURE PHOTO #3
EAST WINGWALL



WESTBOUND STRUCTURE PHOTO #4
CHANNEL TO NORTH

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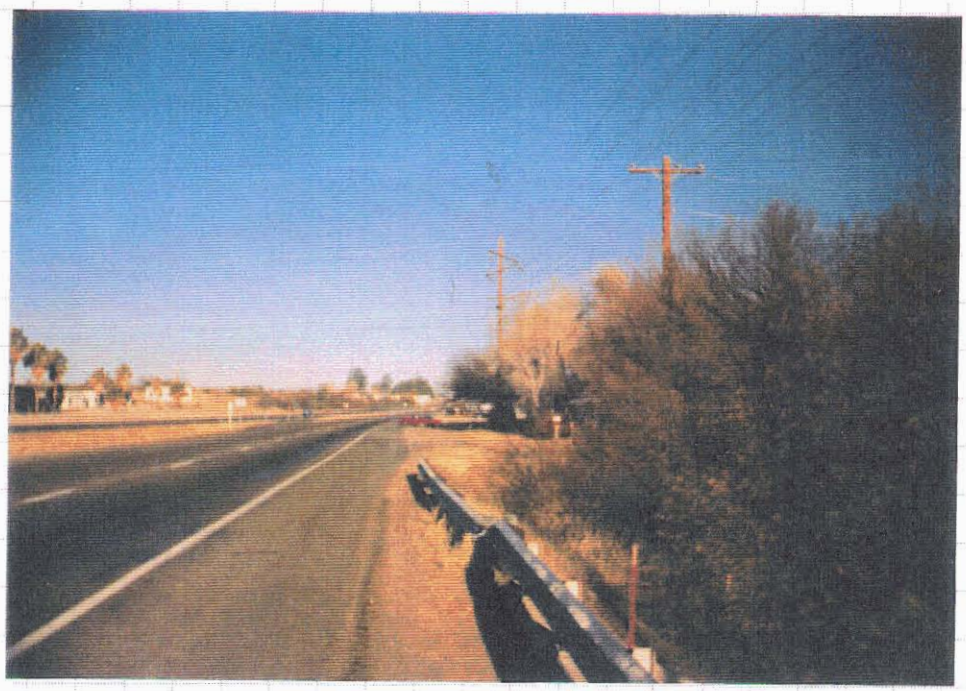
DATE ___
DATE ___



WESTBOUND STRUCTURE PHOTOS
NORTH SHOULDER - LOOKING WEST

WESTBOUND STRUCTURE PHOTOS
NORTH SHOULDER LOOKING EAST

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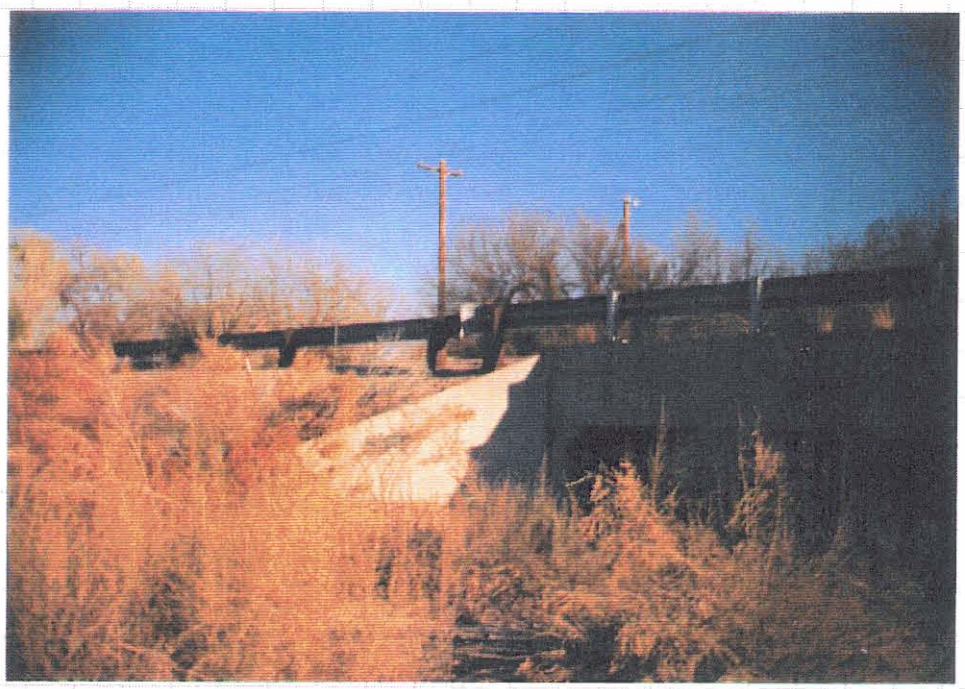
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

WESTBOUND STRUCTURE PHOTO #7
SOUTH HEADWALL



WESTBOUND STRUCTURE PHOTO #8
WEST WINGWALL

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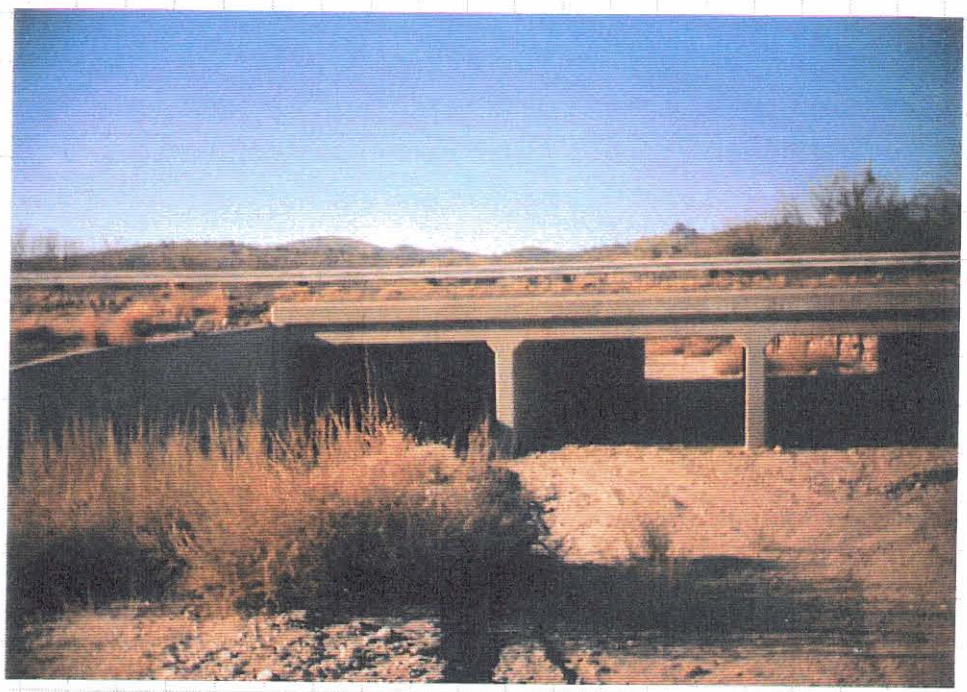
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

WESTBOUND STRUCTURE PHOTO #9
EAST WINGWALL



EASTBOUND STRUCTURE PHOTO #10
NORTH HEADWALL

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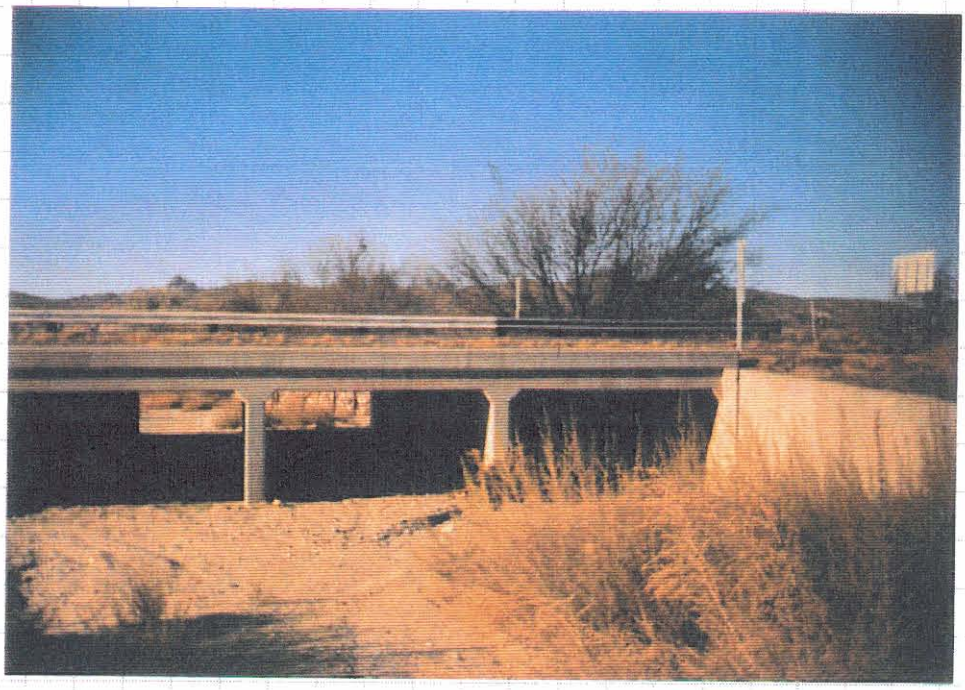
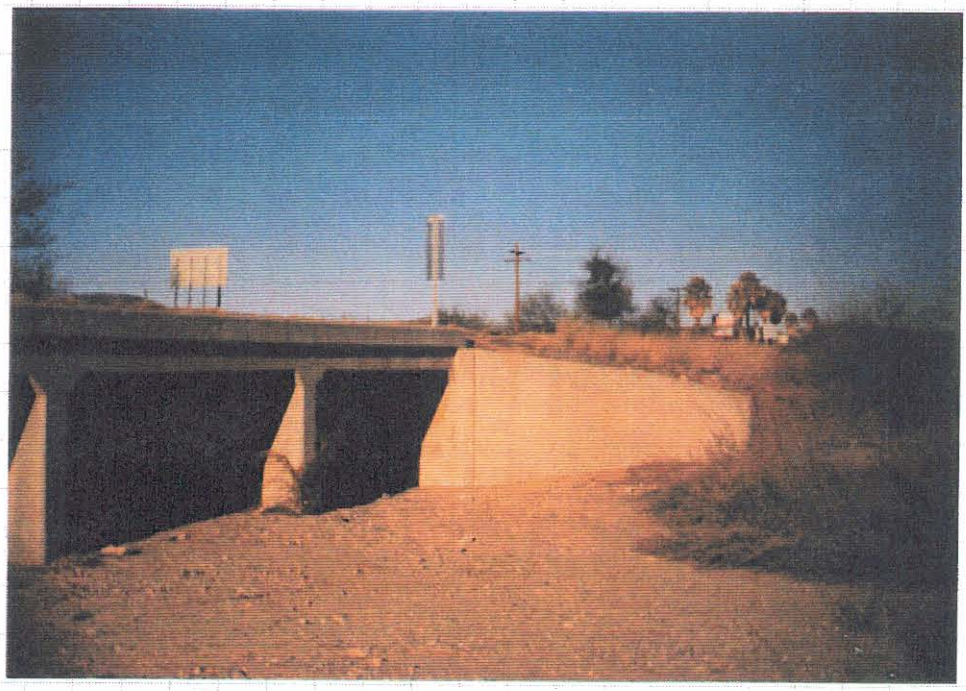
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



EASTBOUND STRUCTURE PHOTO #11 13
NORTH HEADWALL



EASTBOUND STRUCTURE PHOTO #12 14
WEST WING WALL

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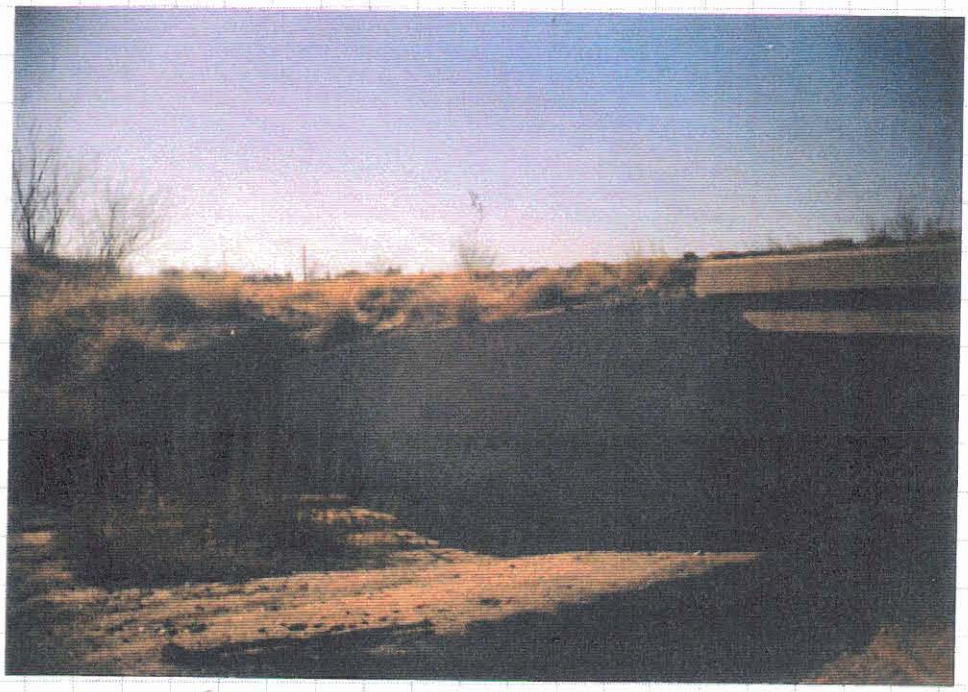
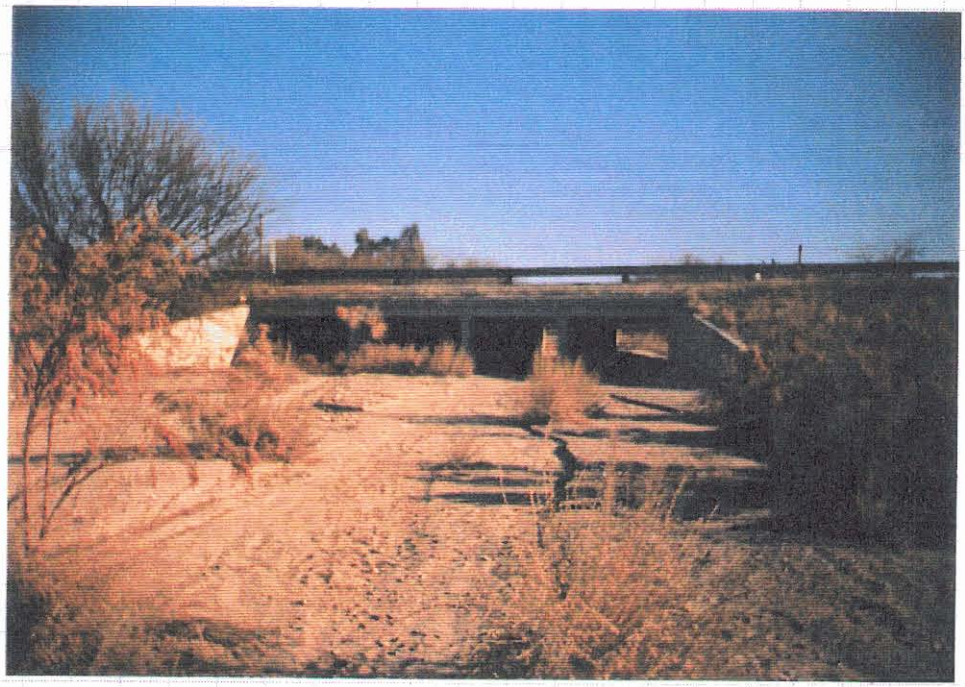
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



EASTBOUND STRUCTURE PHOTO #13
EAST WINGWALL



EASTBOUND STRUCTURE PHOTO # 14
SOUTH HEADWALL

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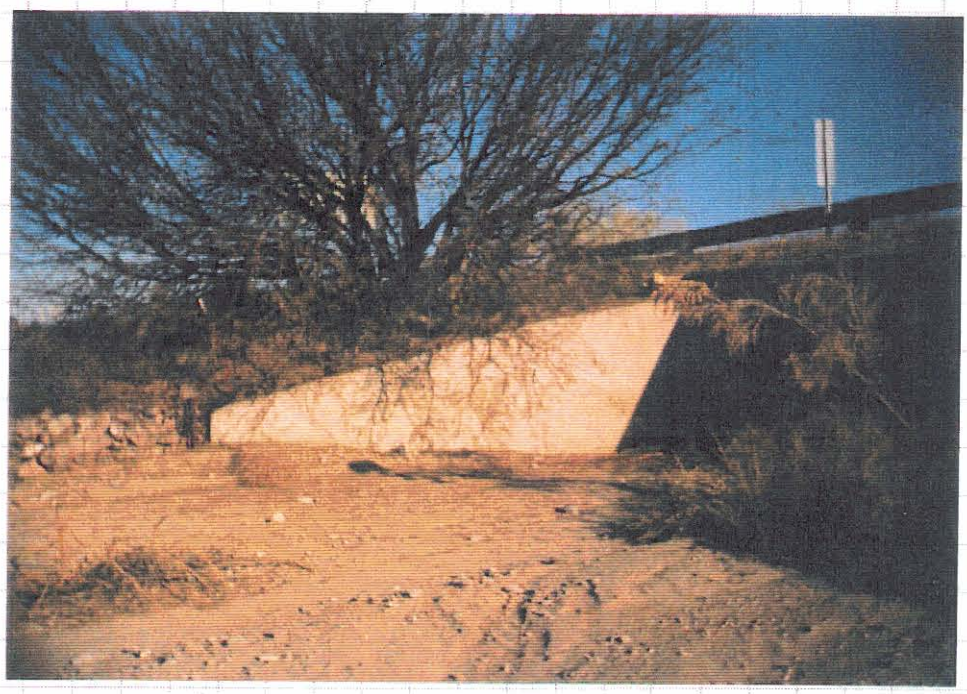
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



EASTBOUND STRUCTURE PHOTO #15
WEST WINGWALL

EASTBOUND STRUCTURE PHOTO # 16
EAST WINGWALL

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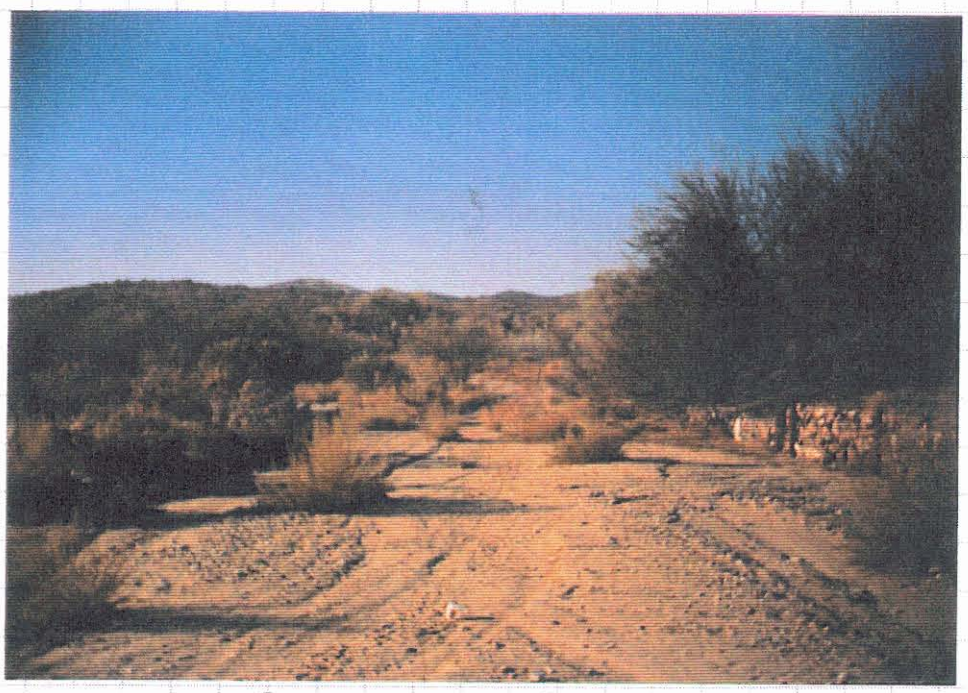
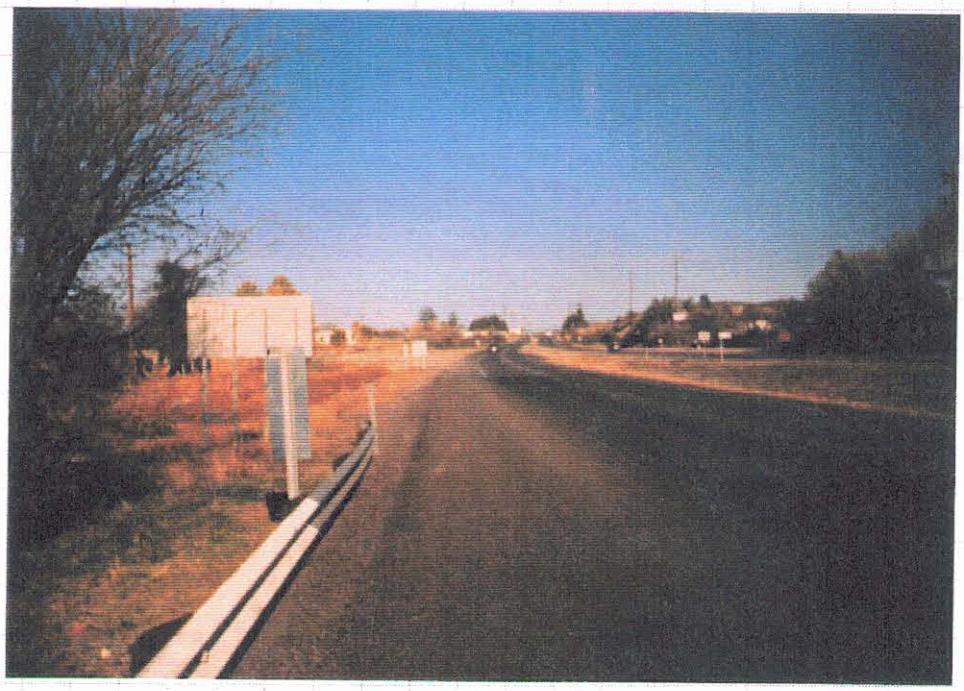
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
DATE



EASTBOUND STRUCTURE PHOTO #17
CHANNEL TO SOUTH



EASTBOUND STRUCTURE PHOTO #18
SOUTH SHOULDER LOOKING WEST

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PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
DATE

EASTBOUND STRUCTURE PHOTO #19
SOUTH SHOULDER LOOKING EAST

Unnamed Wash #1 (F)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 4.0 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "F"

Party Chief: R. DESMOND

Structure No. F-1

Structure	Diam.	Span	Rise
R.C.B.	1 - 6' x 5' x 138'9"		
R.C.P.			
C.M.P.			
Other			

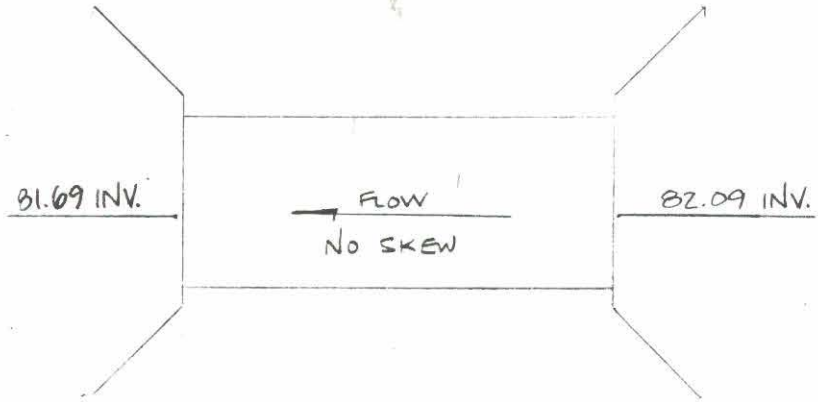
Struct. Cond.: ✓ Good __ Fair __ Poor

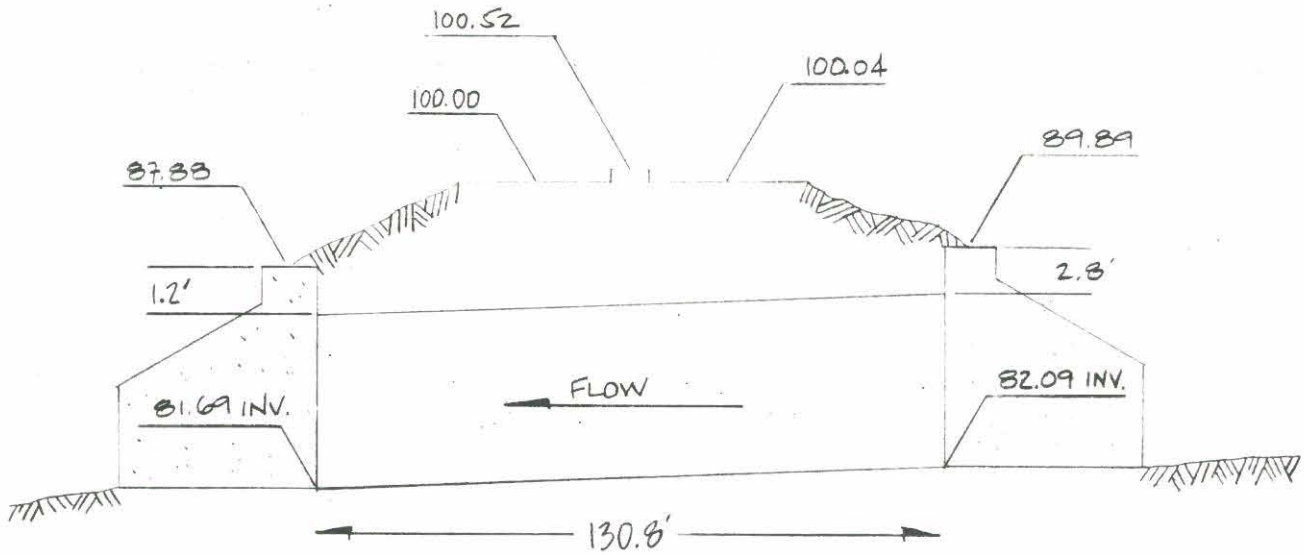
Headwall(s): ✓ Yes __ No: Cond.: GOOD

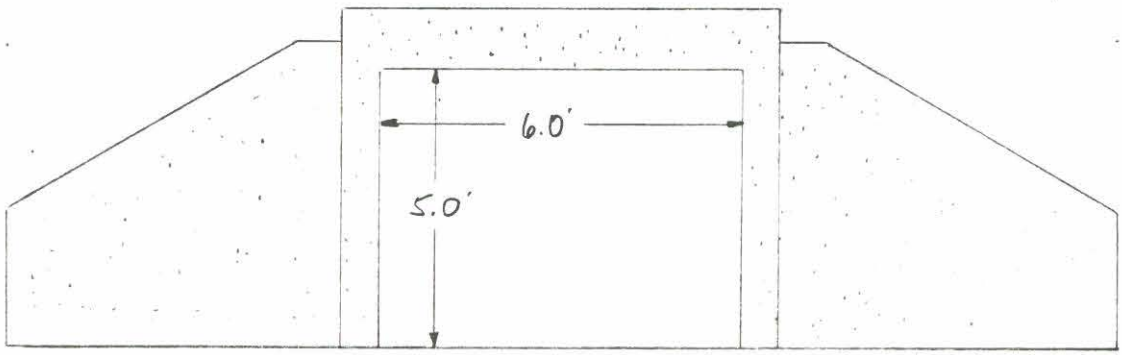
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 17.95

No. of Spans or Barrels: 1







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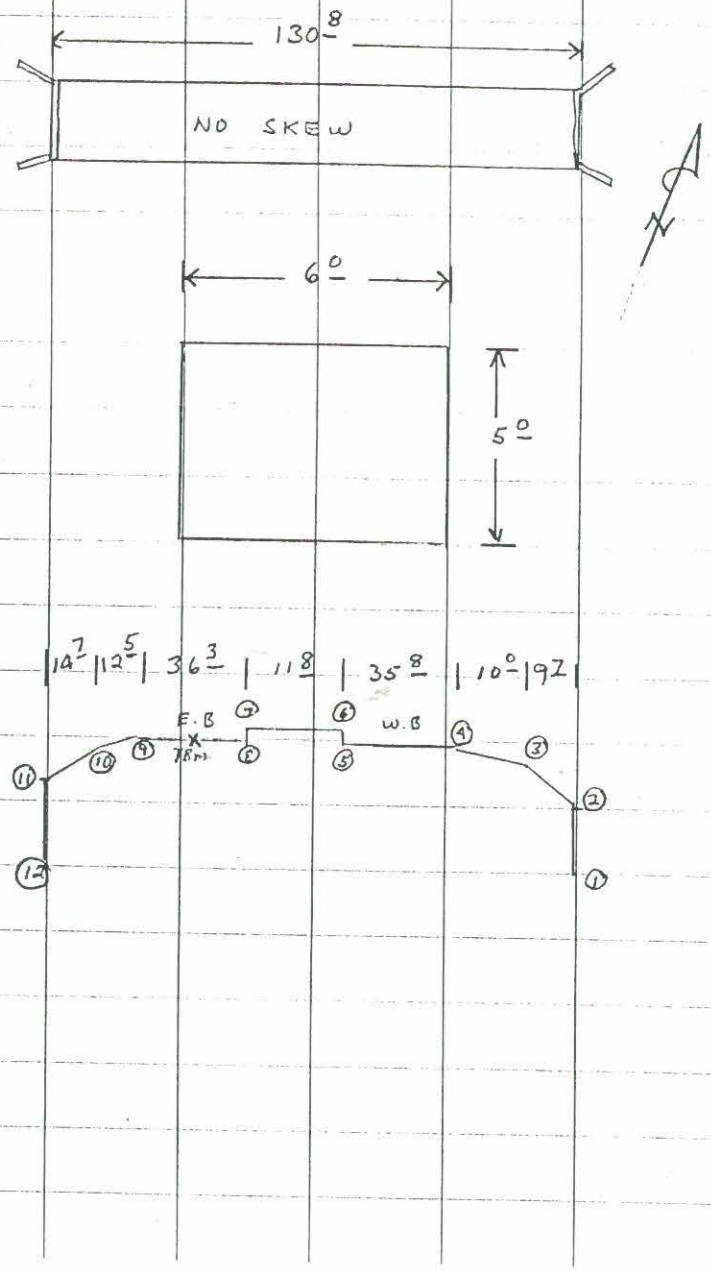
Morrison Maierle/CSSA

S-7

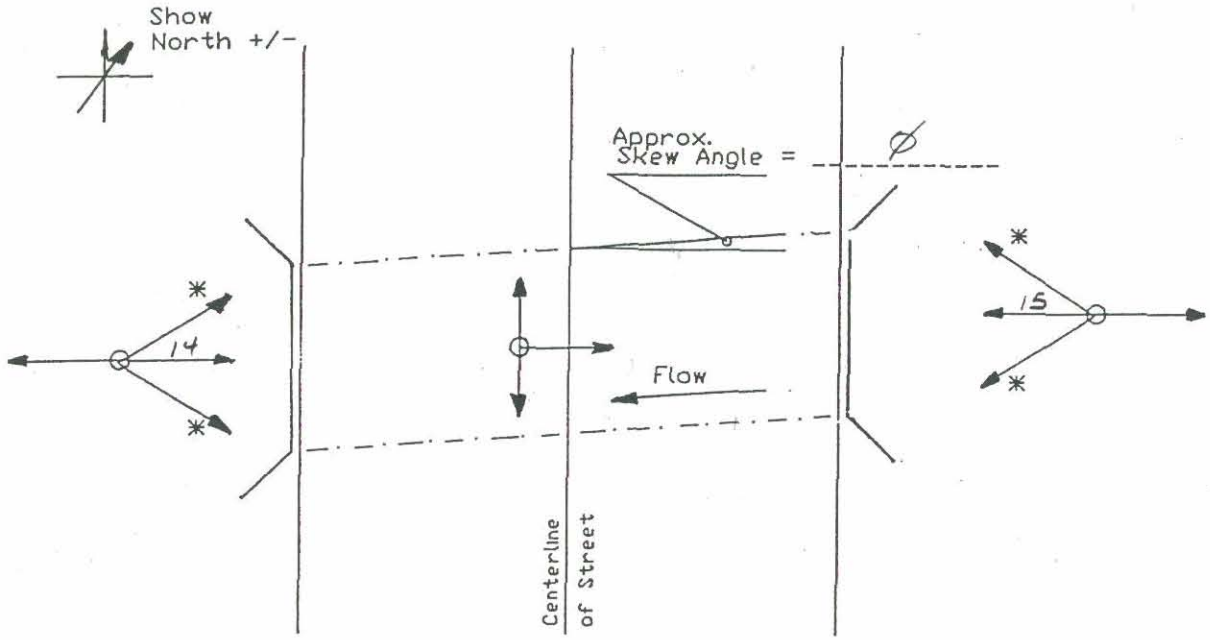
SINGLE BARREL R.C.B.

STA	+	HI	-	ELEV	
TBm	4.99			100.00	ASSUMED ℄ STRIPE E.B
1			22.9	82.07	Æ TOP
2			15.10	89.89	HEADWALL
3			6.6	98.37	BRK
4			4.85	100.14	E.P.
5			5.04	99.95	G
6			4.41	100.58	T/C
7			4.54	100.45	T/C
8			5.07	99.92	G
9			5.00	99.99	E.P.
10			7.1	97.89	BRK
11			17.11	87.88	TOP HEADWALL
12			23.3	81.69	Æ



WICKENBURG
90-022
S-7

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖——→): Roll No. 1



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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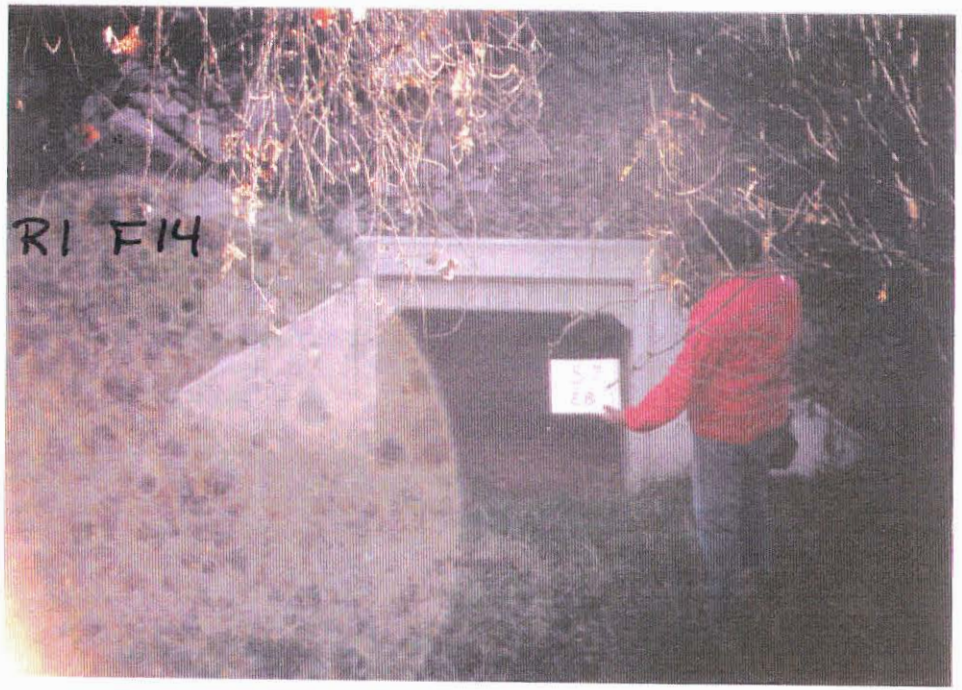
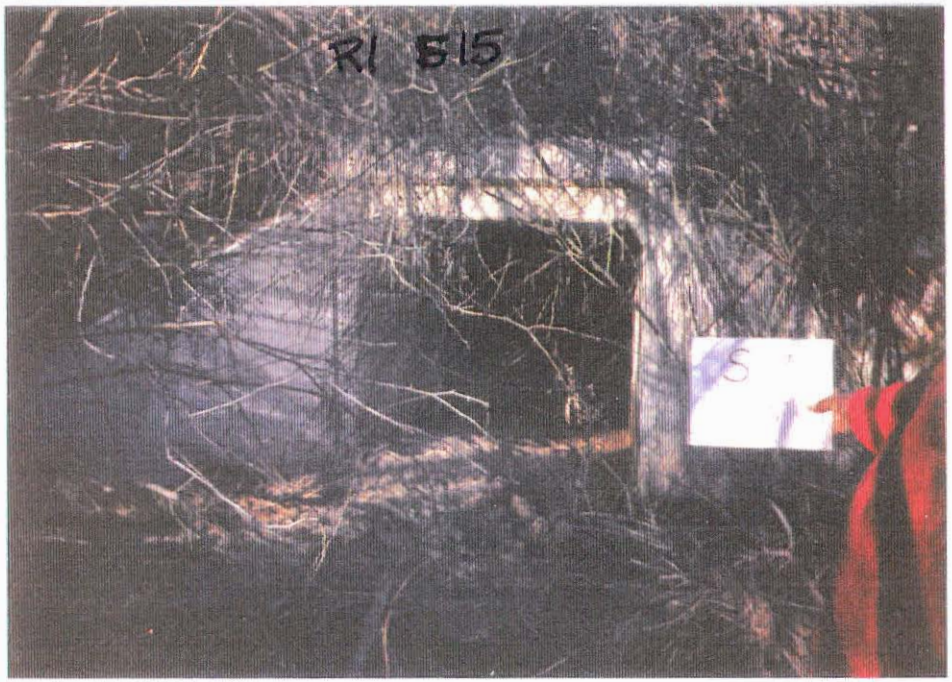
1-800-767-0777
STOCK# PPV840-000





Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: RAILROAD TRESTLE - HASSAYAMPA RIVER WESTERLY OF WASH T

Wash Name: HASSAYAMPA RIVER

Party Chief: R. DESMOND

Structure No. F2

Structure	Diam.	Span	Rise
R.C.B. :			
R.C.P. :			
C.M.P. :			
Other :	RAILROAD TRESTLE		

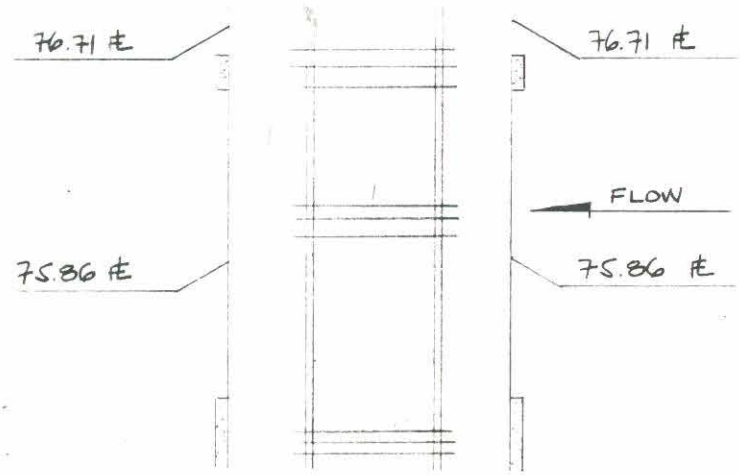
Struct. Cond.: ✓ Good __ Fair __ Poor

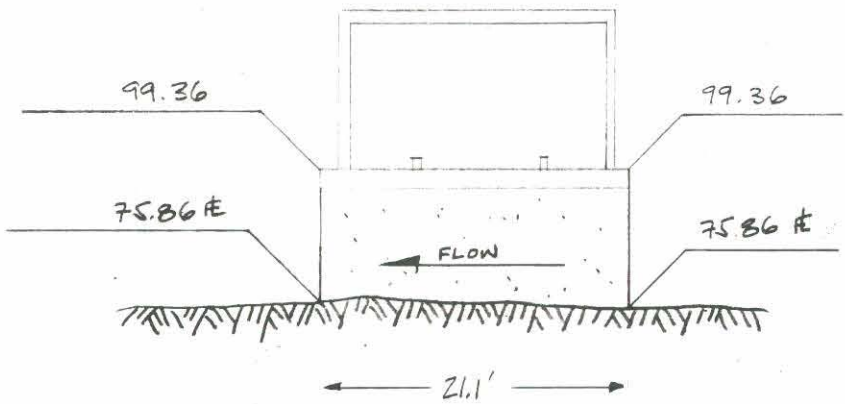
Headwall(s): __ Yes __ No: Cond.: _____

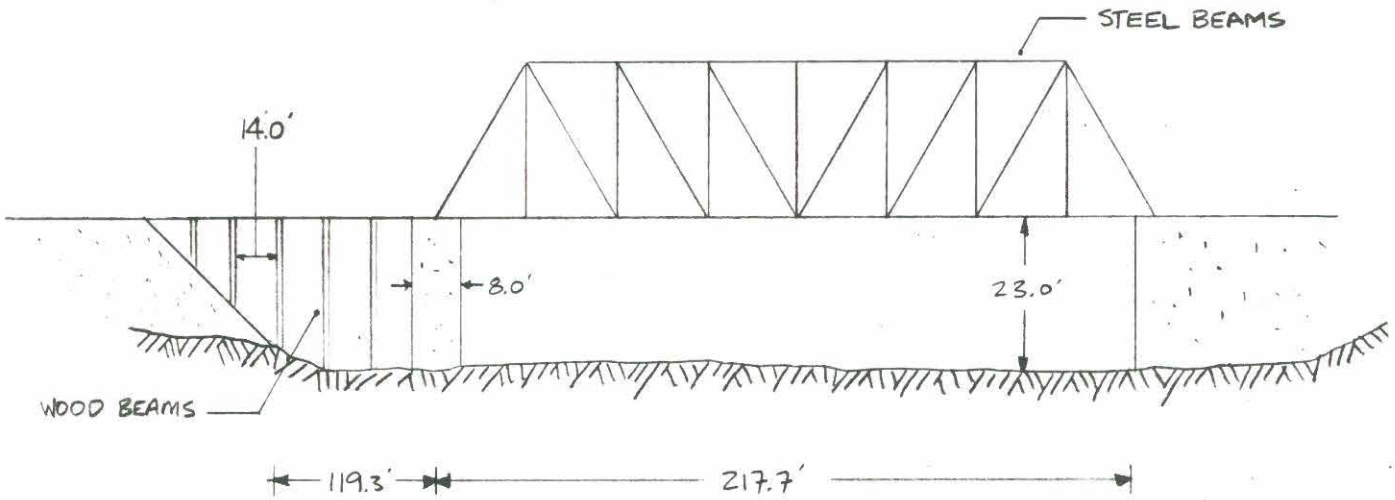
Wingwalls: __ Yes __ No: Cond.: _____

Depth of Available Headwater: ±23.49

No. of Spans or Barrels: 2







Date: 1/91

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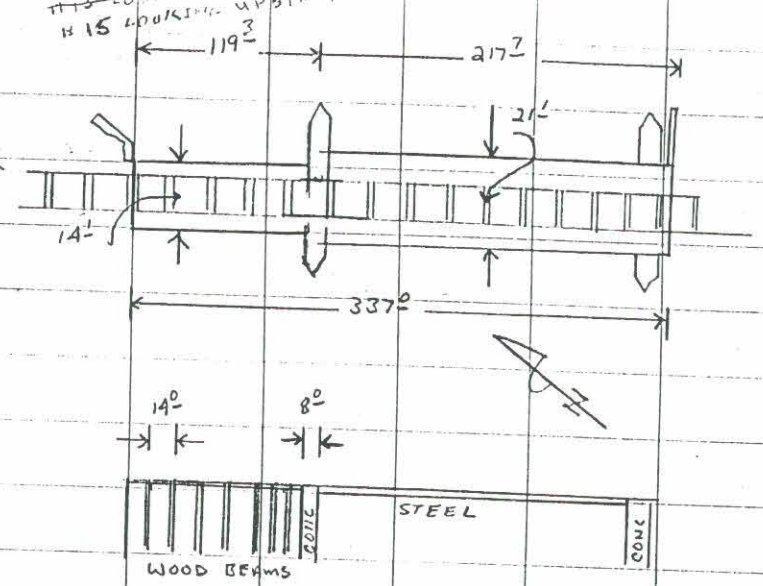
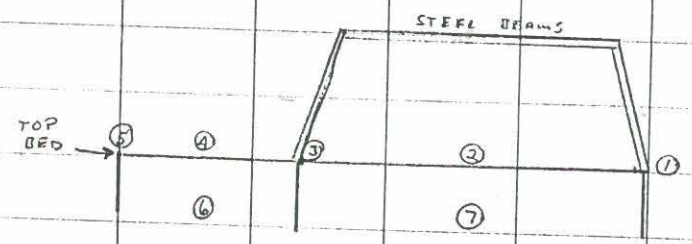
S-6

SINGLE TRACK TRESTLE

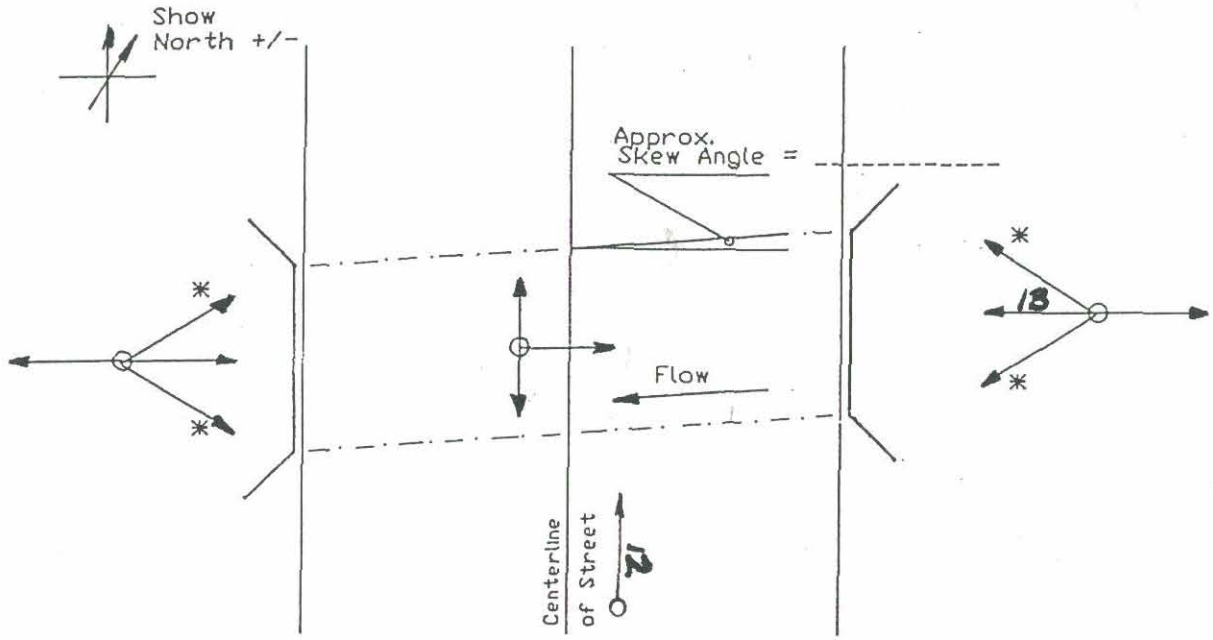
STA	+	HI	-	ELEV	
TBm	4.22	104.22		100.00	ASSUMED DT # 1 TOP BED
2			4.86	99.36	TOP BED
3			5.27	98.95	"
4			5.41	98.81	"
5			5.49	98.73	"
6		FROM TOP BED	-22.1	76.71	⊥
7			-23.5	75.86	⊥





WICKENBURG
90-022
S-6 HASSAYAMPA RIVER

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖——→): Roll No. 1



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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PROJECT NO. 90-022 SHEET ___ OF ___
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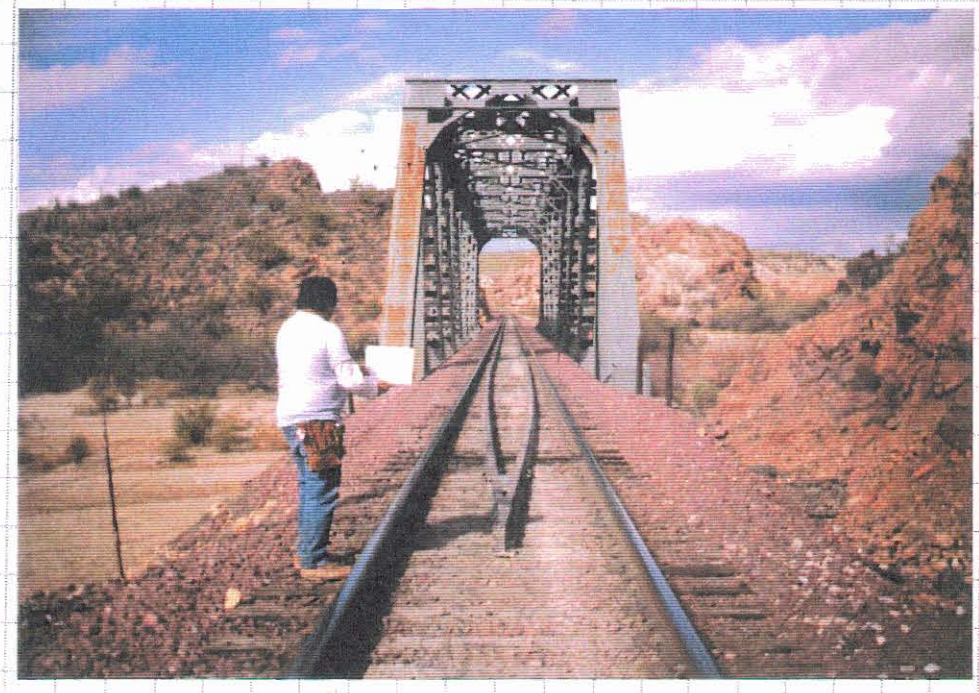
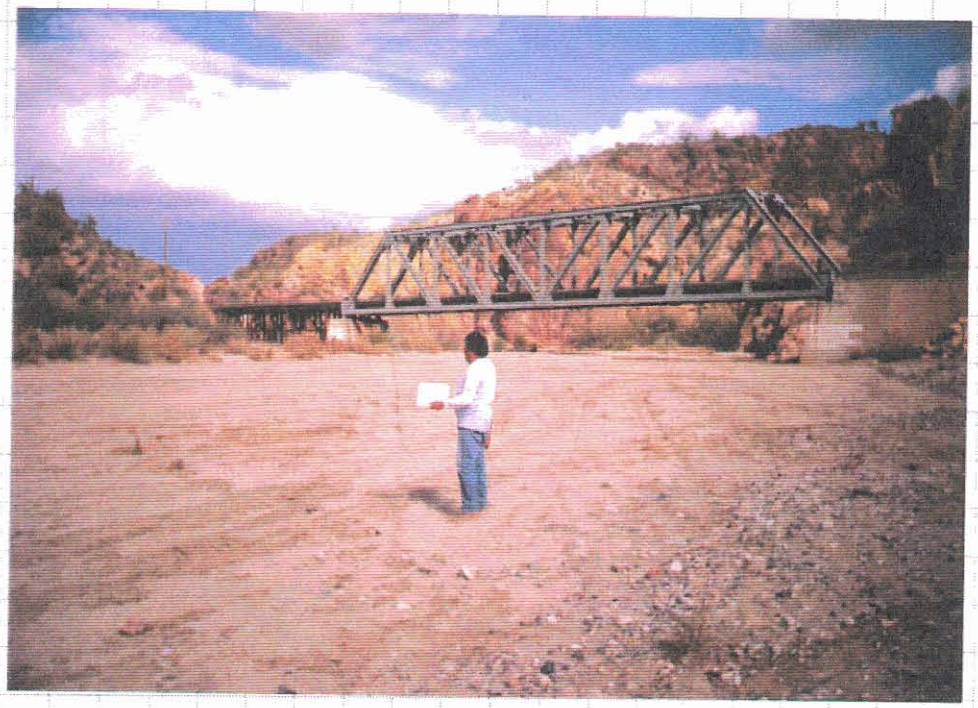
DATE ___



STRUCTURE #6 - LOOKING WEST PHOTO # 12



STRUCTURE #6 - LOOKING NORTH PHOTO # 13

Unnamed Wash #2 (G)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 4.8 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLEROCK RD.

Wash Name: "G"

Party Chief: R. DESMOND

Structure No. G-1

Structure	Diam.	Span	Rise
R.C.B.	1 - 6' × ? × 141'8"		
R.C.P.			
C.M.P.			
Other			

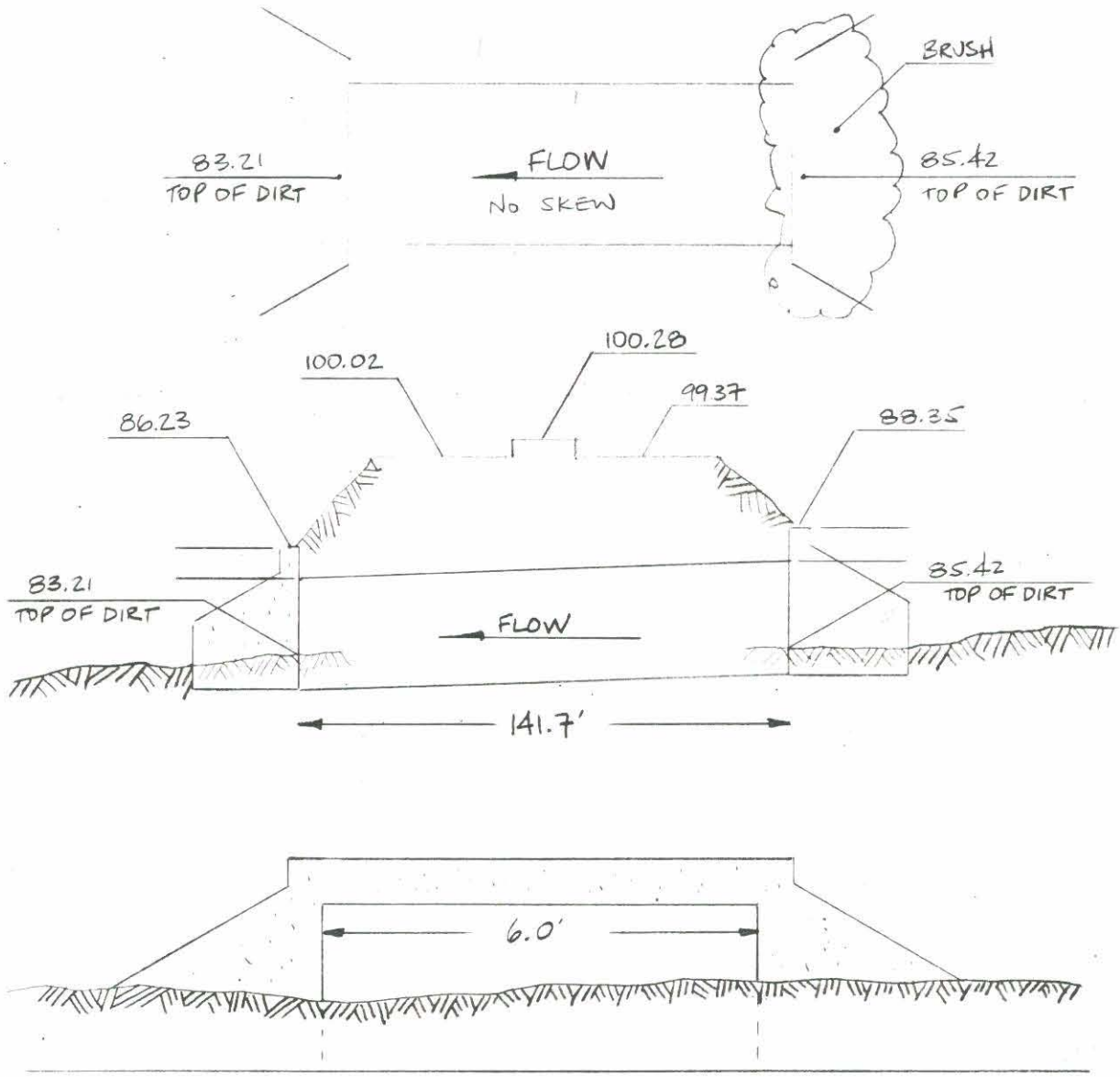
Struct. Cond.: ✓ Good __ Fair __ Poor

Headwall(s): ✓ Yes __ No: Cond.: GOOD

Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 13.95

No. of Spans or Barrels: 1

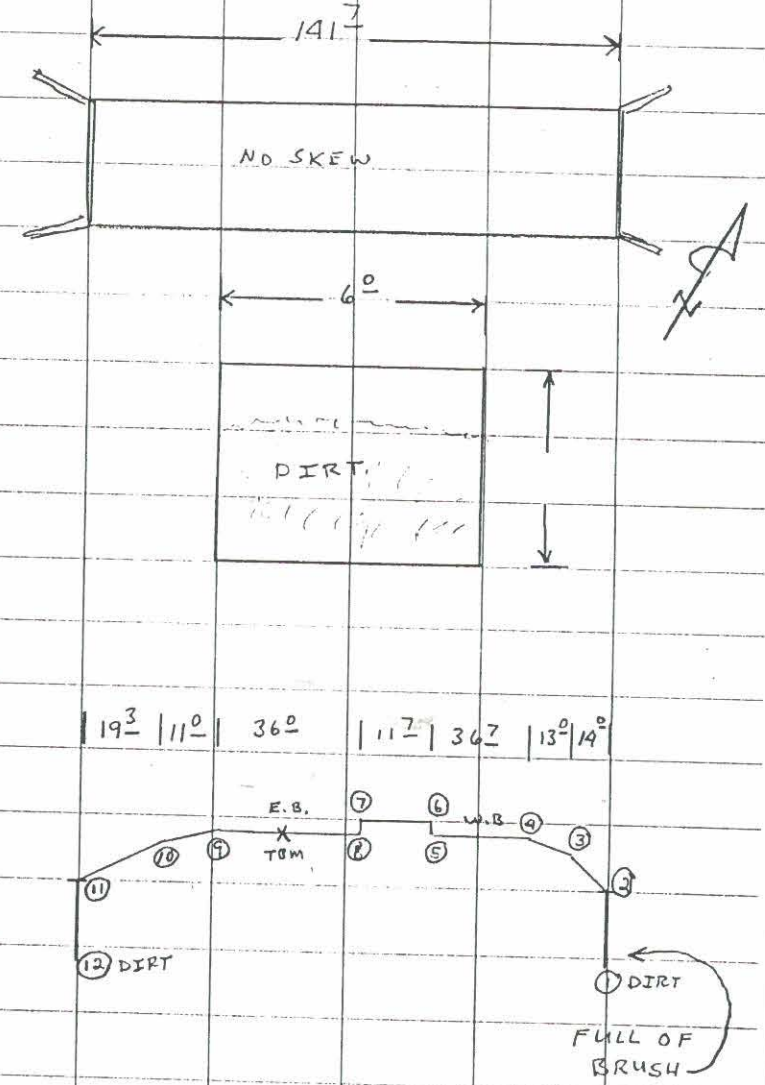


Date: 1/91

Morrison Maierle/CSSA

S-8
1 BARREL R.C.B.

STA	+	HI	-	ELEV	
TBm	3.42	103.42		100.00	ASSUMED ℄ STRIPE E.B.
1			18.0	85.42	⅊ DIRT
2			15.07	88.35	TOP HEADWALL
3			6.5	96.92	BRK
4			4.33	99.09	E.P.
5			3.77	99.65	G
6			3.21	100.21	T/C
7			3.05	100.37	T/C
8			3.64	99.78	G
9			3.17	100.25	E.P.
10			4.7	98.72	BRK
11			17.19	86.23	TOP HEADWALL
12			20.3	83.21	⅊ DIRT



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90-022
S-B

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
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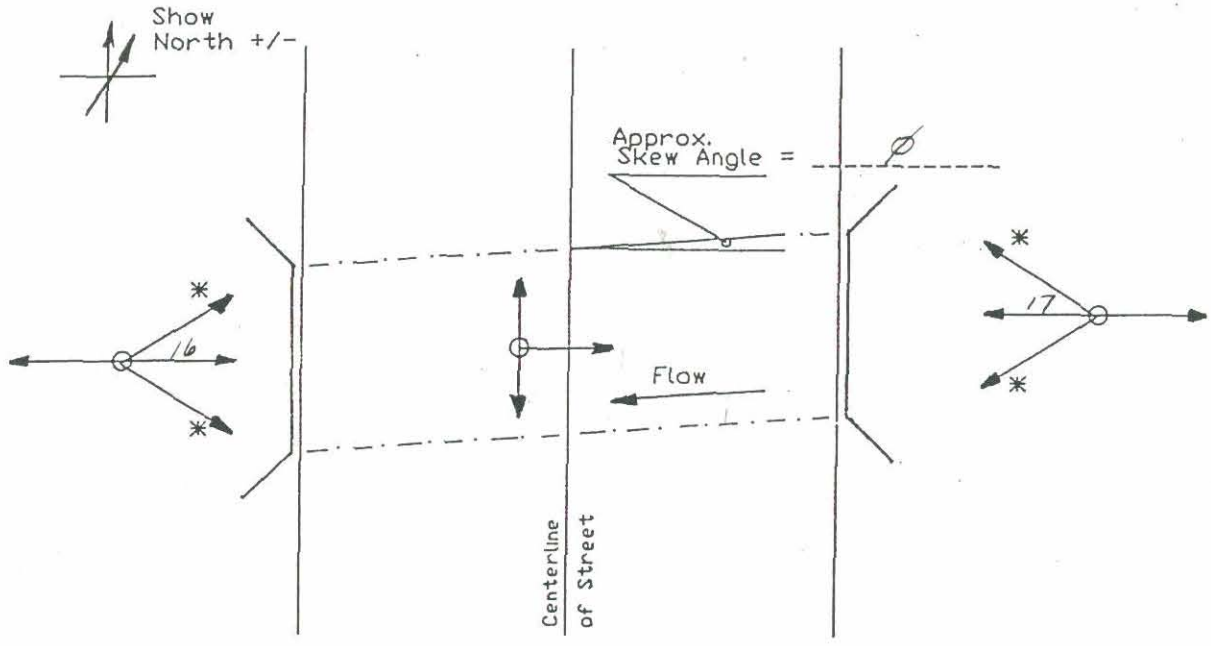

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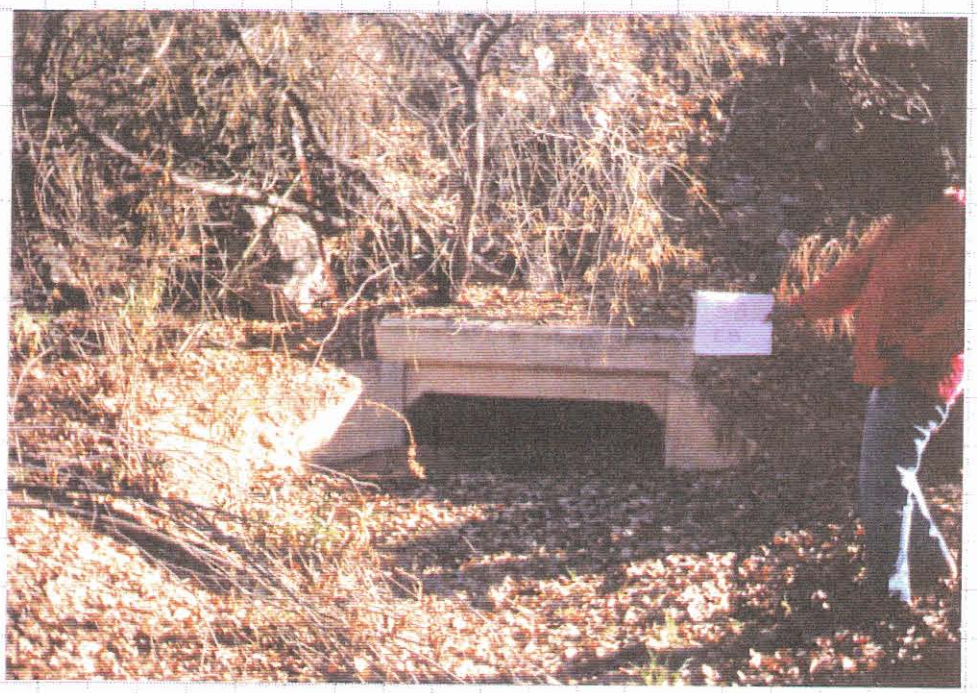
PROJECT NO. 90-022 SHEET ___ OF ___
STRUCTURE #8 DATE ___
DATE ___

STRUCTURE #8 - WEST SIDE OF ROAD PHOTO # 16



STRUCTURE #8 - EAST SIDE OF ROAD PHOTO # 17

Unnamed Wash #3 (H)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 5.1 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "H"

Party Chief: R. DESMOND

Structure No. H-1

Structure	Diam.	Span	Rise
R.C.B.	3-10'	x ?	x 116'
R.C.P.			
C.M.P.			
Other			

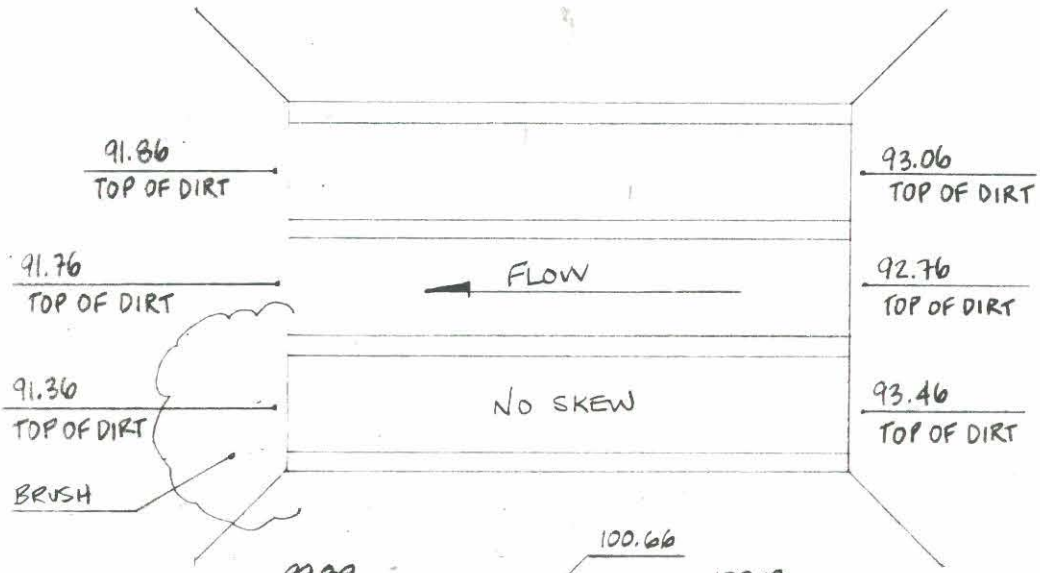
Struct. Cond.: ✓ Good __ Fair __ Poor

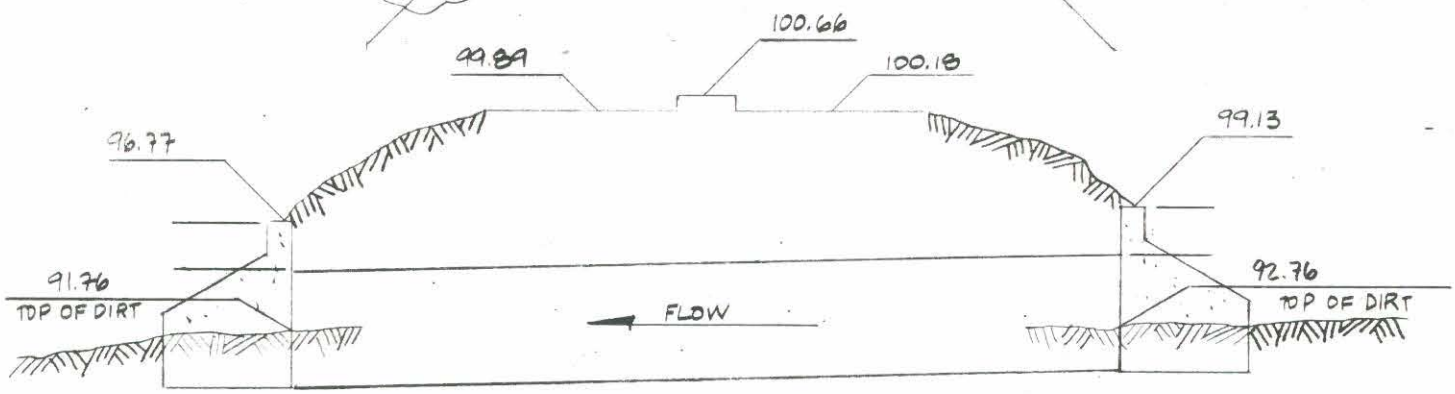
Headwall(s): ✓ Yes __ No: Cond.: GOOD

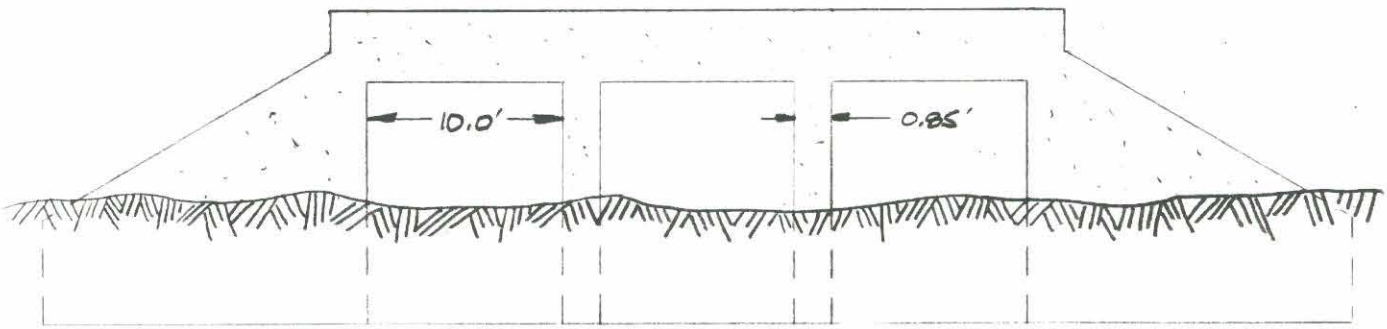
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 7.42

No. of Spans or Barrels: 3







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90-022
S-9

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
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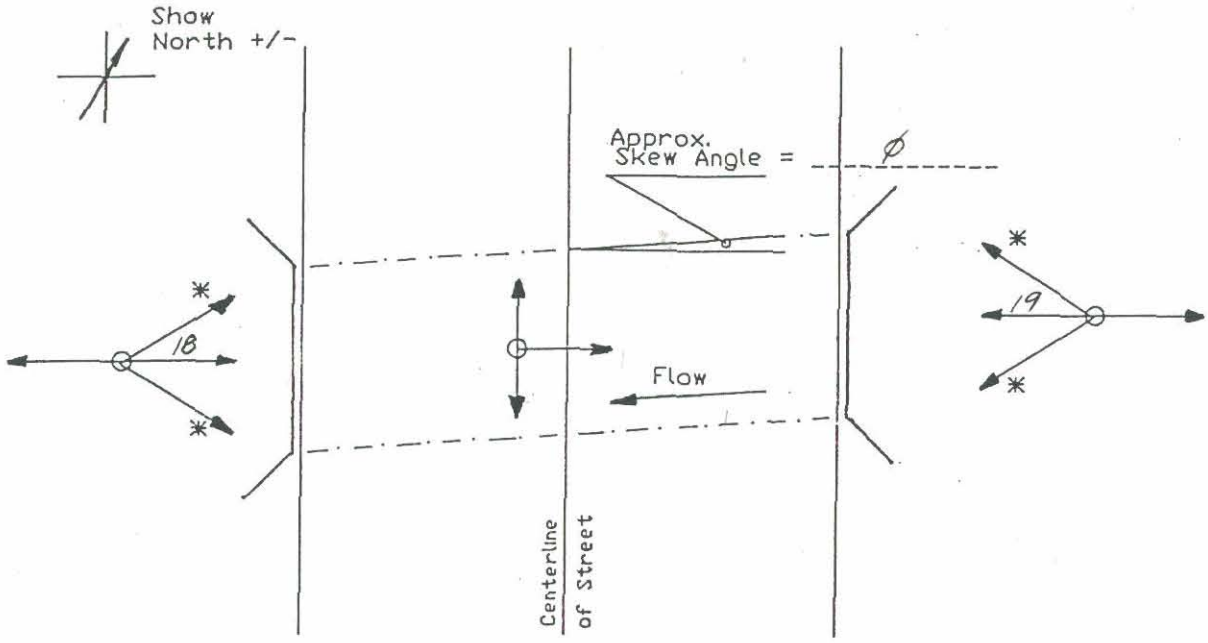

* Photograph only if required.

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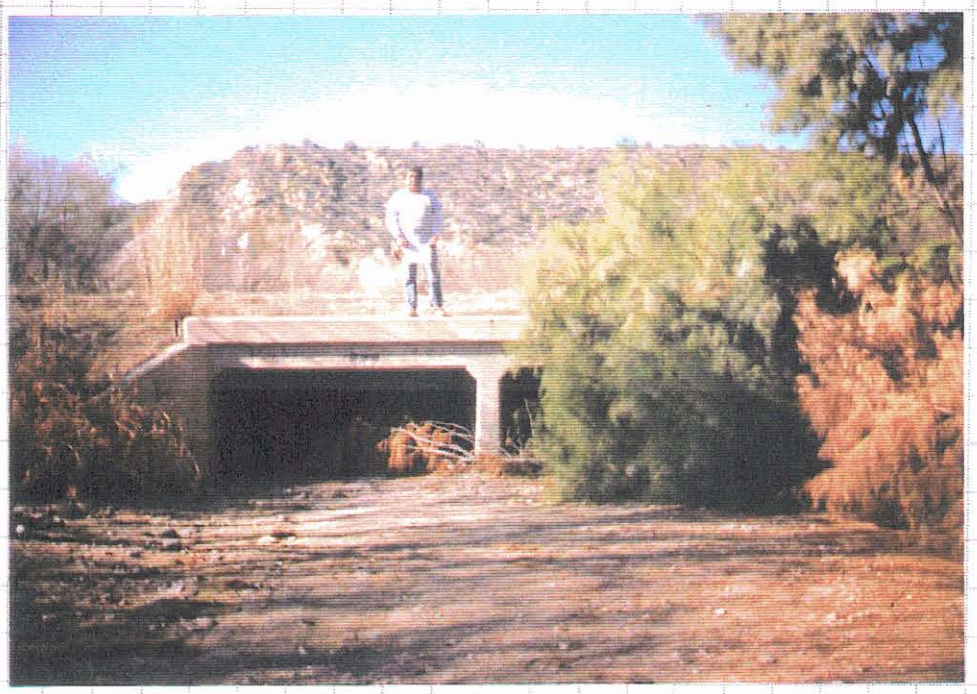
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
STRUCTURE # 9 DATE ___
DATE ___



STRUCTURE # 9 - WEST SIDE OF ROAD PHOTO #18

STRUCTURE #9 - EAST SIDE OF ROAD PHOTO #19

Unnamed Wash #4 (I)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 6.25 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "I"

Party Chief: R. DESMOND

Structure No. I-1

Structure	Diam.	Span	Rise
R.C.B.	3 - 11' x ? x 113'6"		
R.C.P.			
C.M.P.			
Other			

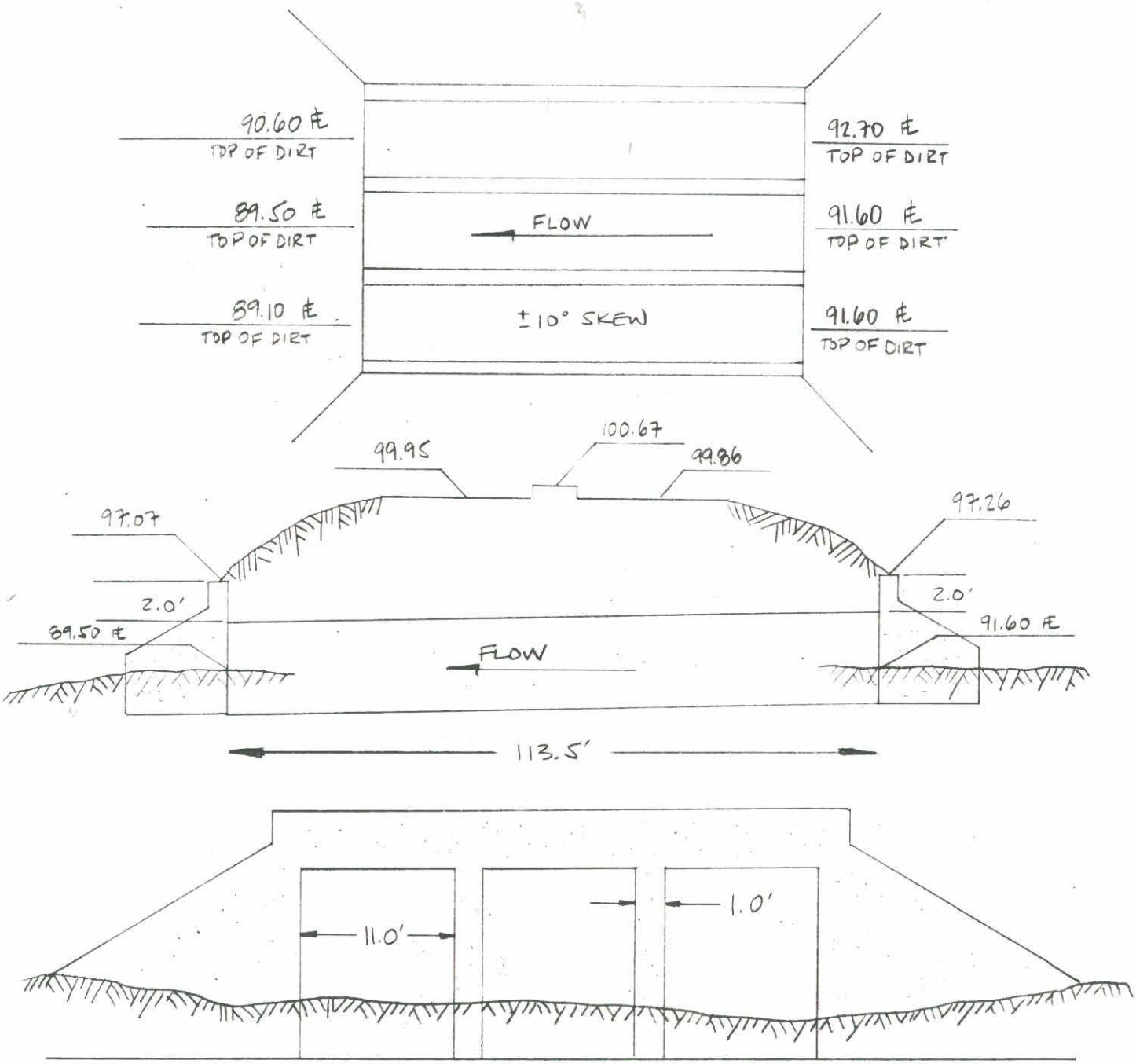
Struct. Cond.: ✓ Good __ Fair __ Poor

Headwall(s): ✓ Yes __ No: Cond.: GOOD

Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 8.26

No. of Spans or Barrels: 3



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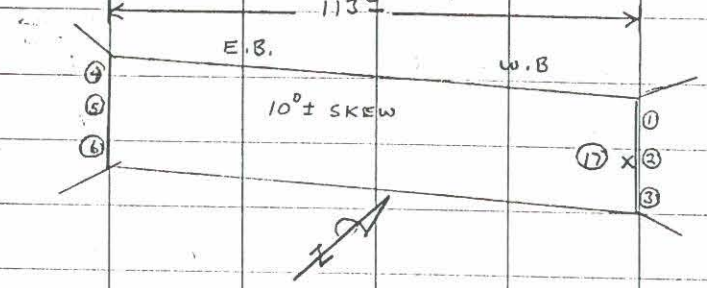
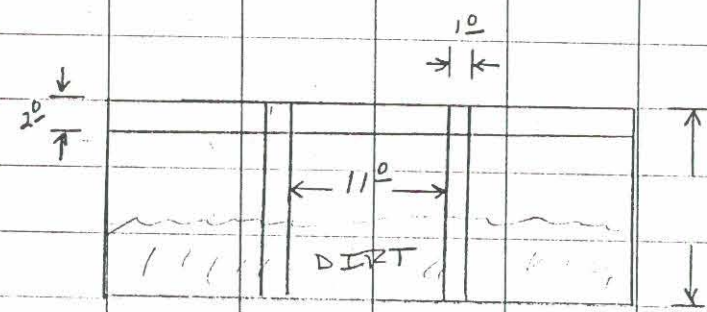
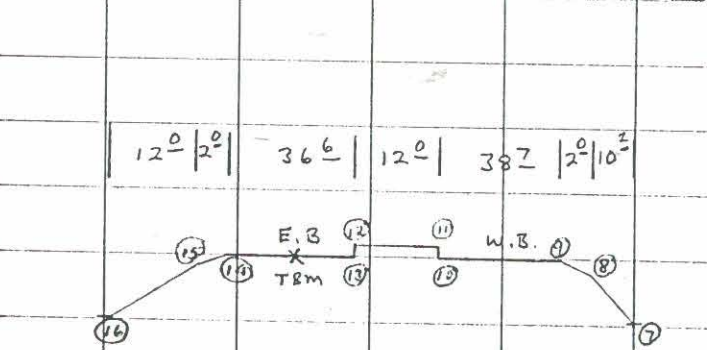
S-11

3 BARREL R.C.B.

STA	+	HI	-	ELEV	
TBm	4.50	104.50		100.00	ASSUMED ℄ STRIDE E.B.
1			11.8	92.70	⅊ DIRT
2			12.9	91.60	⅊ "
3			12.9	91.60	⅊ "
4			13.9	90.60	⅊ "
5			15.0	89.50	⅊ "
6			15.4	89.10	⅊ "
7			7.24	97.26	TOP HEADWALL
8			4.8	99.70	BRK
9			4.82	99.68	E.P.
10			4.45	100.05	G
11			3.90	100.60	T/C
12			3.76	100.74	T/C
13			4.31	100.19	G
14			4.79	99.71	E.P.
15			5.2	99.30	BRK
16			7.43	97.07	TOP HEADWALL
17			7.24	97.26	







AZ. HWY. DEPT. B.C. IN HDWL. ELEV. 1930.02, STA. 1070+08.06

WICKENBURG
90-022
S-11

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
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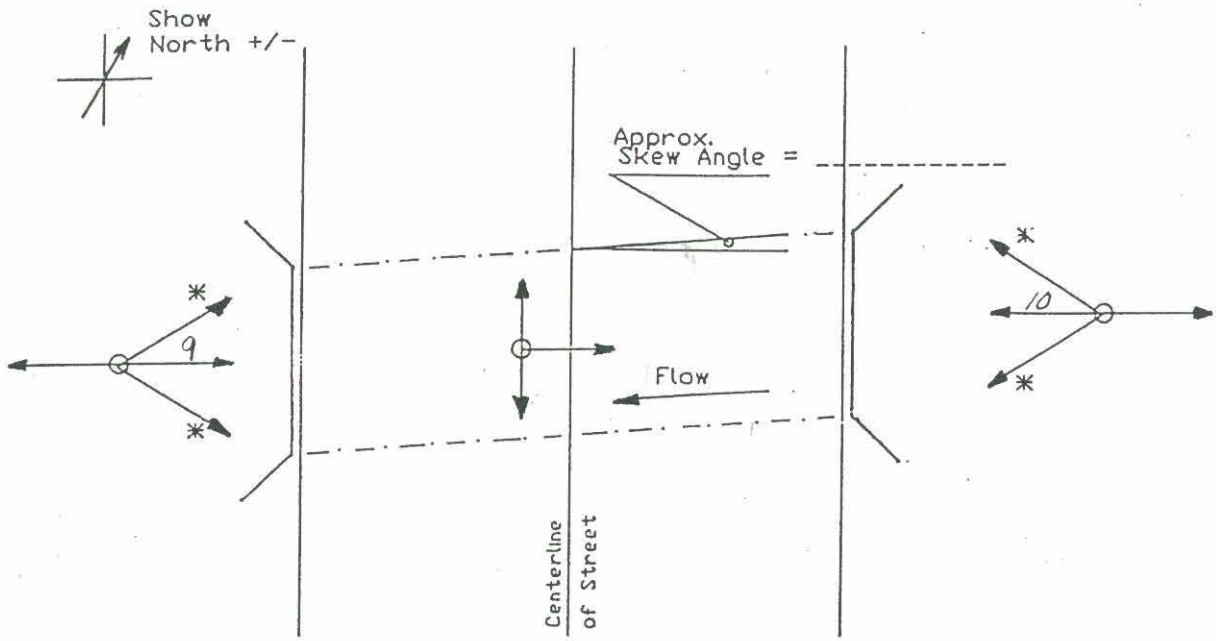

* Photograph only if required.

Special Notes: REFER TO FIELD NOTES.

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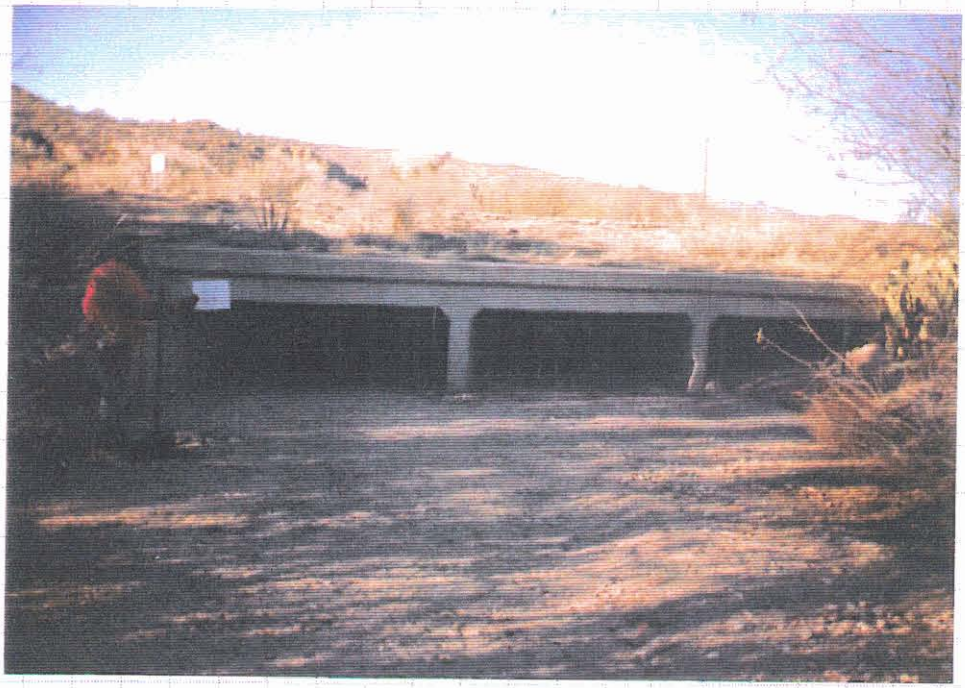
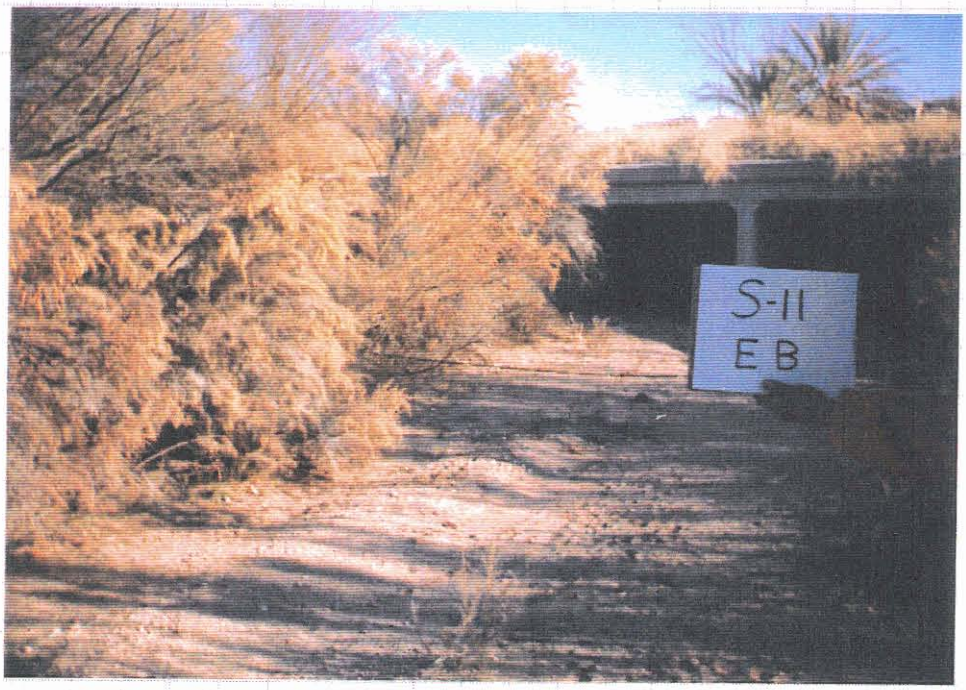
DATE



WESTBOUND STRUCTURE PHOTO # 9



EASTBOUND STRUCTURE PHOTO # 10

Unnamed Wash #5 (J)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 6.4 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "J"

Party Chief: R. DESMOND

Structure No. J-1

Structure	Diam.	Span	Rise
R.C.B.	: 1-8' x 7' x 127'9"		
R.C.P.	:		
C.M.P.	:		
Other	:		

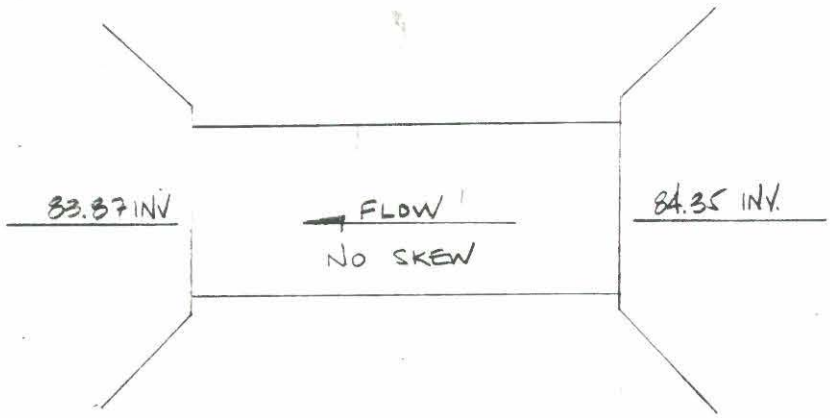
Struct. Cond.: ✓ Good __ Fair __ Poor

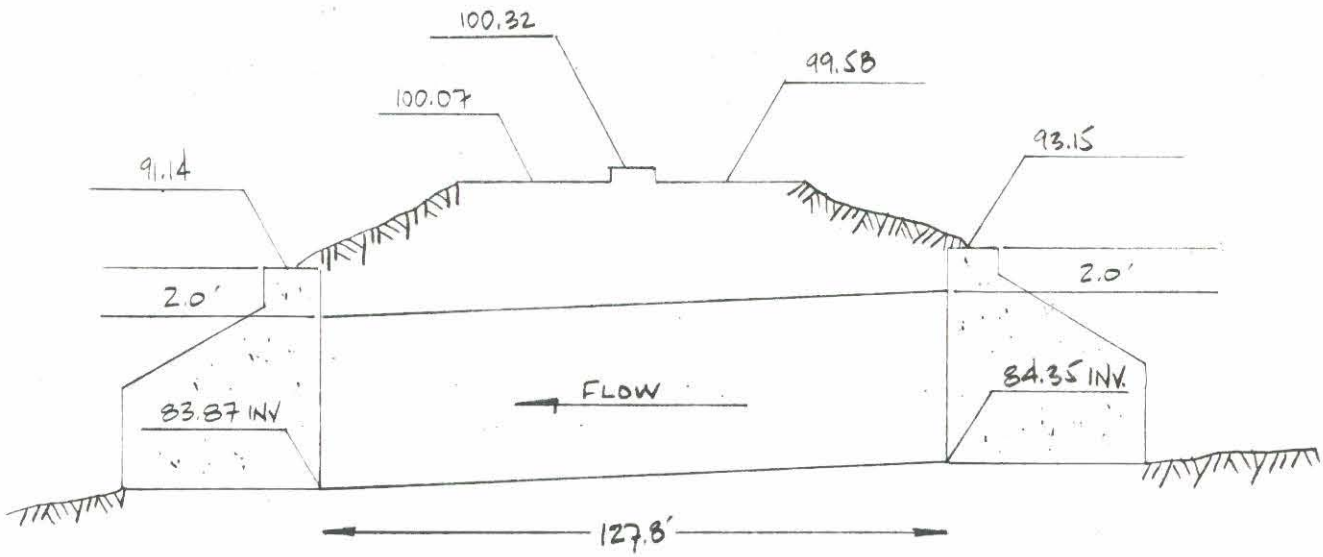
Headwall(s): ✓ Yes __ No: Cond.: GOOD

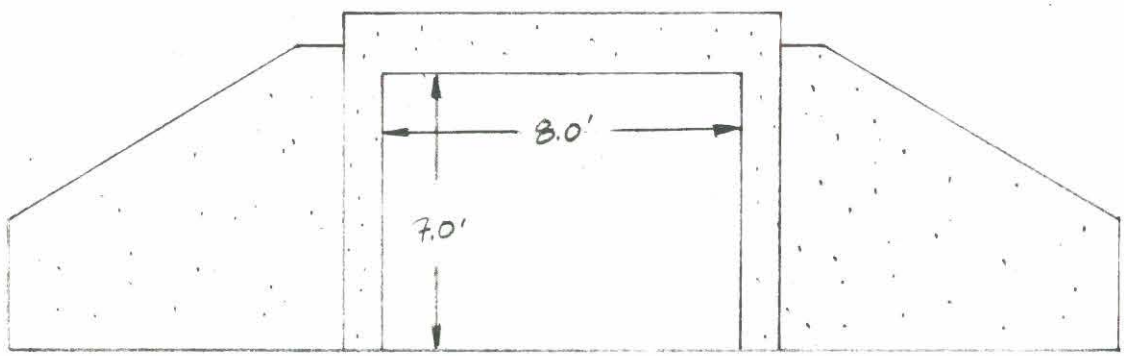
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 15.29

No. of Spans or Barrels: 1







Date: 1/91

Morrison Maierle/CSSA

S-12

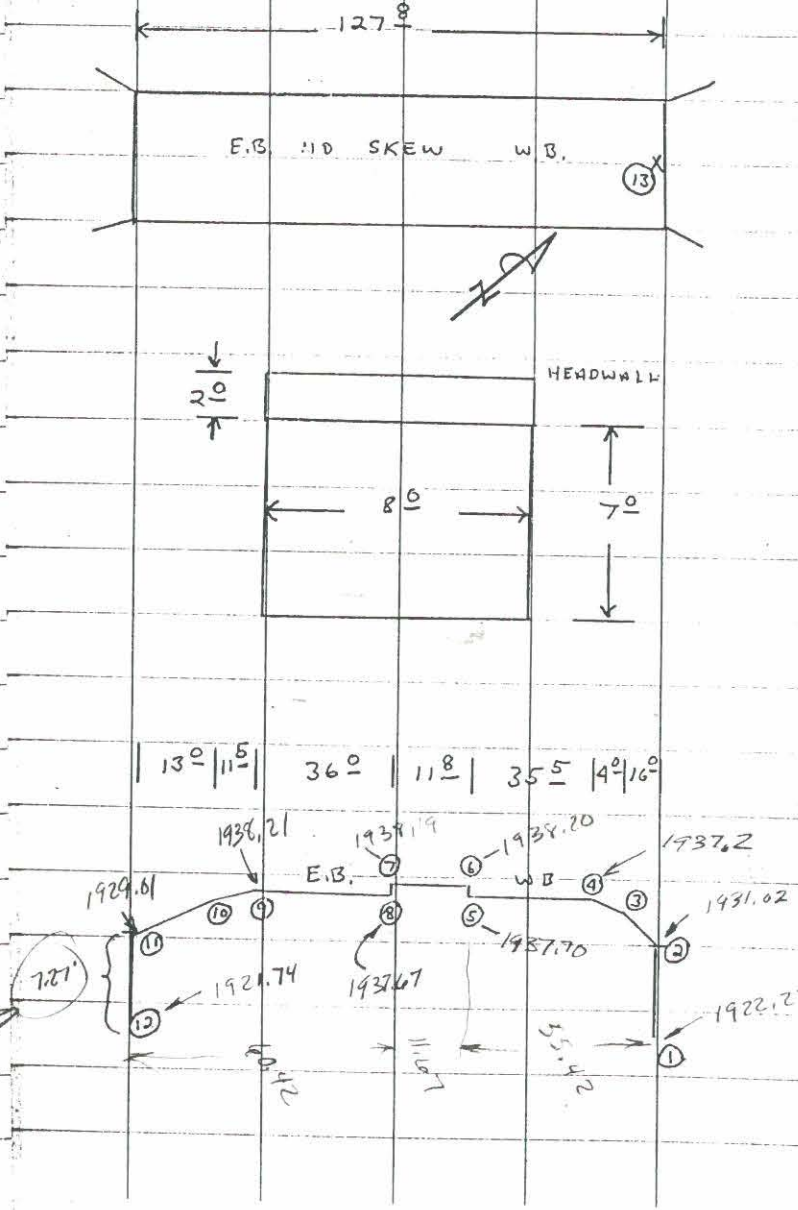
1 BARREL R.C.B.

ROLL #2
EX #12 WB
#13 EB

STA	+	HI	-	ELEV	
TBM	2.87	102.87		100.00	ASSUMED ℄ STRIPE E.B
1			18.52	84.35	⊥
2			9.72	93.15	TOP HEADWALL
3			3.8	99.07	BRK
4			3.54	99.33	E.P.
5			3.04	99.83	G
6			2.54	100.33	T/C
7			2.55	100.32	T/C
8			3.07	99.80	G
9			2.53	100.34	E.P.
10			5.0	97.87	BRK
11			11.73	91.14	TOP HEADWALL
12			19.0	83.87	⊥
13			9.72	93.15	

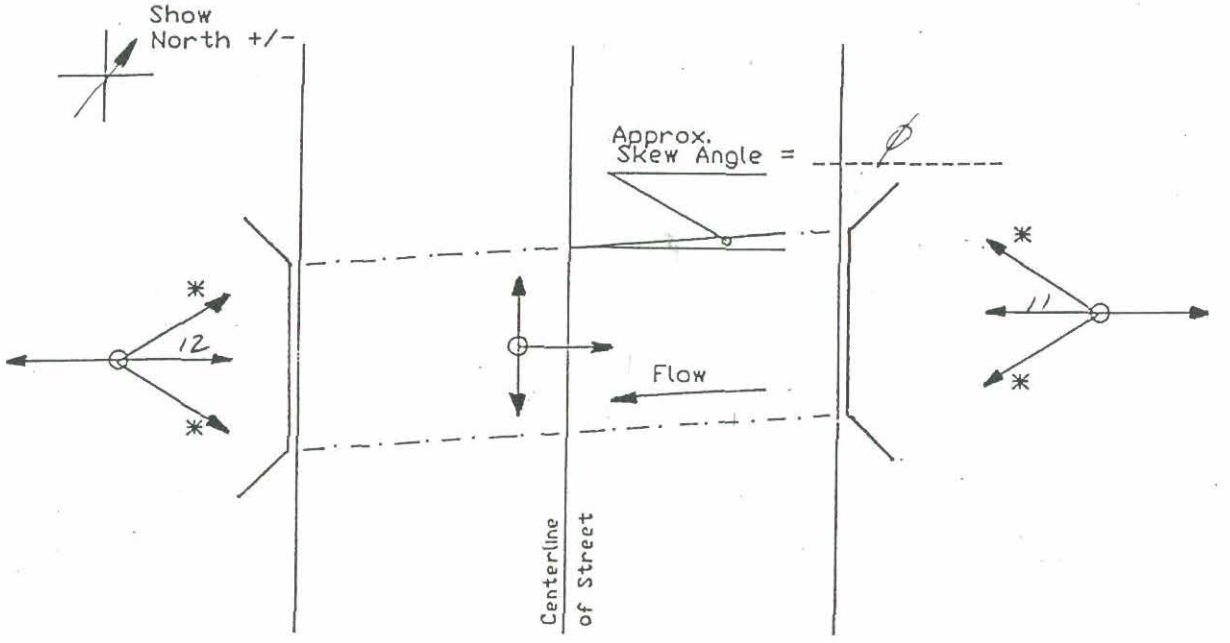
ADOT BC ELEV 1931.02
STA 1062+30

Should be 9'



WICKENBURG
90.022
S-12

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖——→): Roll No. 2



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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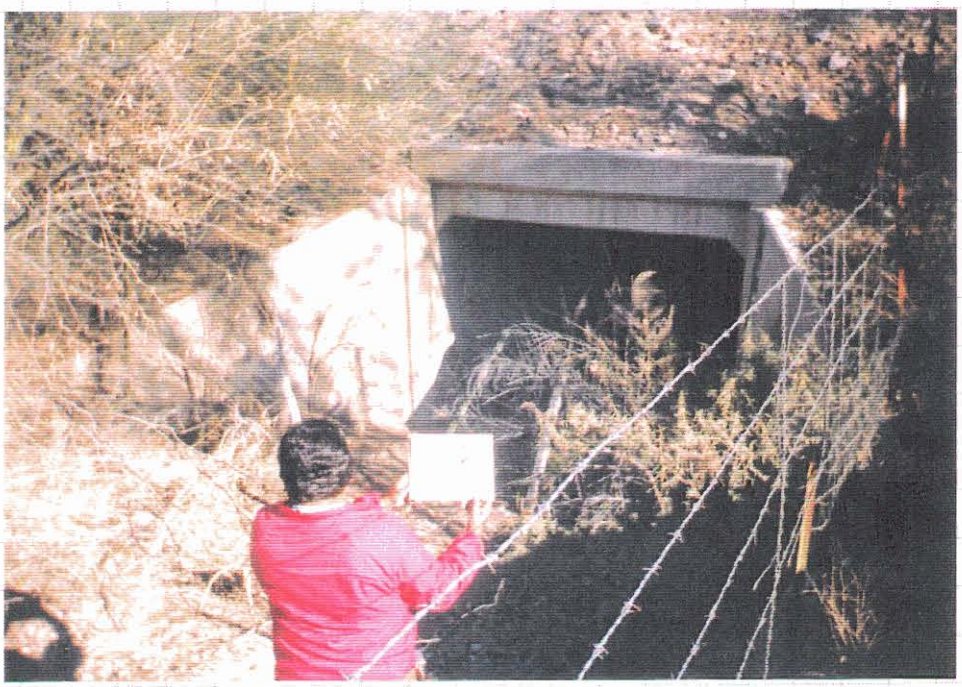


EASTBOUND STRUCTURE PHOTO #11

WESTBOUND STRUCTURE PHOTO #12

Unnamed Wash #6 (K)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 7.1 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "K"

Party Chief: R. DESMOND

Structure No. K-1

Structure	Diam.	Span	Rise
R.C.B.	3-10'x?	x 86'2"	
R.C.P.			
C.M.P.			
Other			

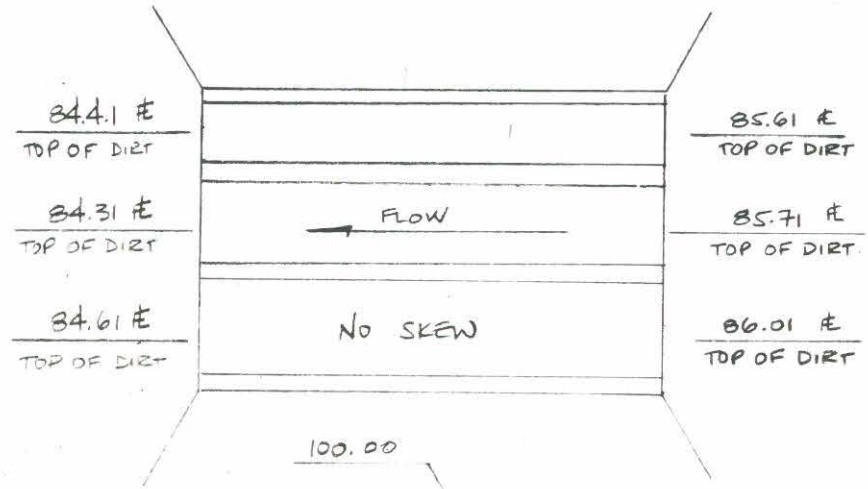
Struct. Cond.: ✓ Good __ Fair __ Poor

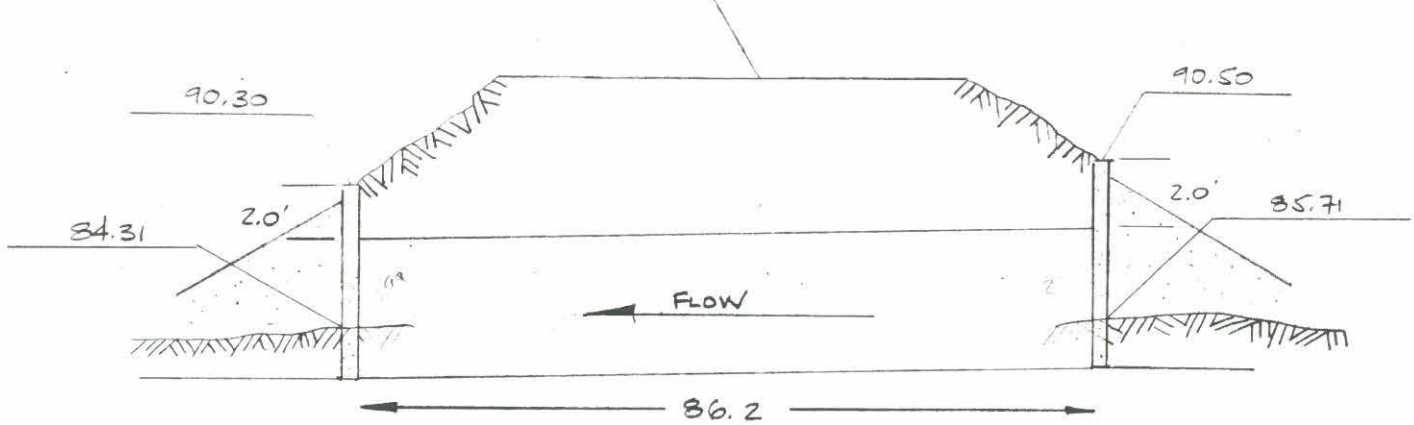
Headwall(s): ✓ Yes __ No: Cond.: GOOD

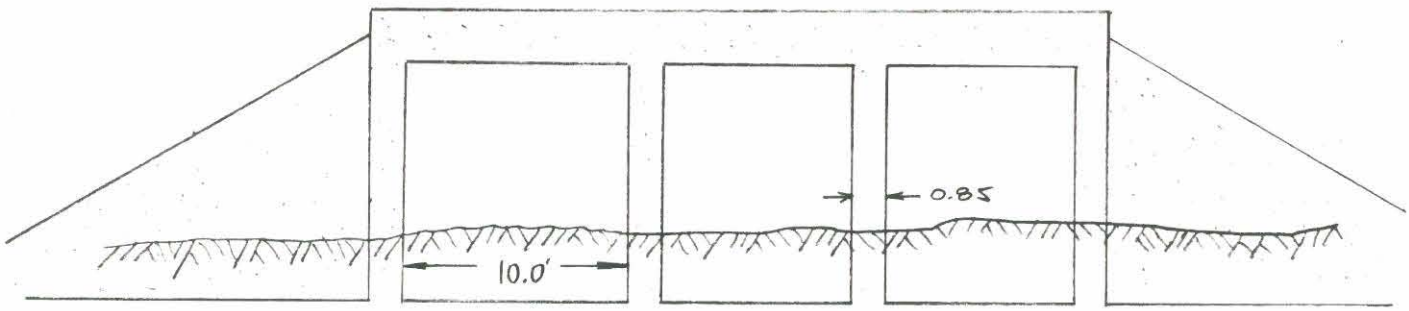
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ±14.29

No. of Spans or Barrels: 3







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Morrison Maierle/CSSA

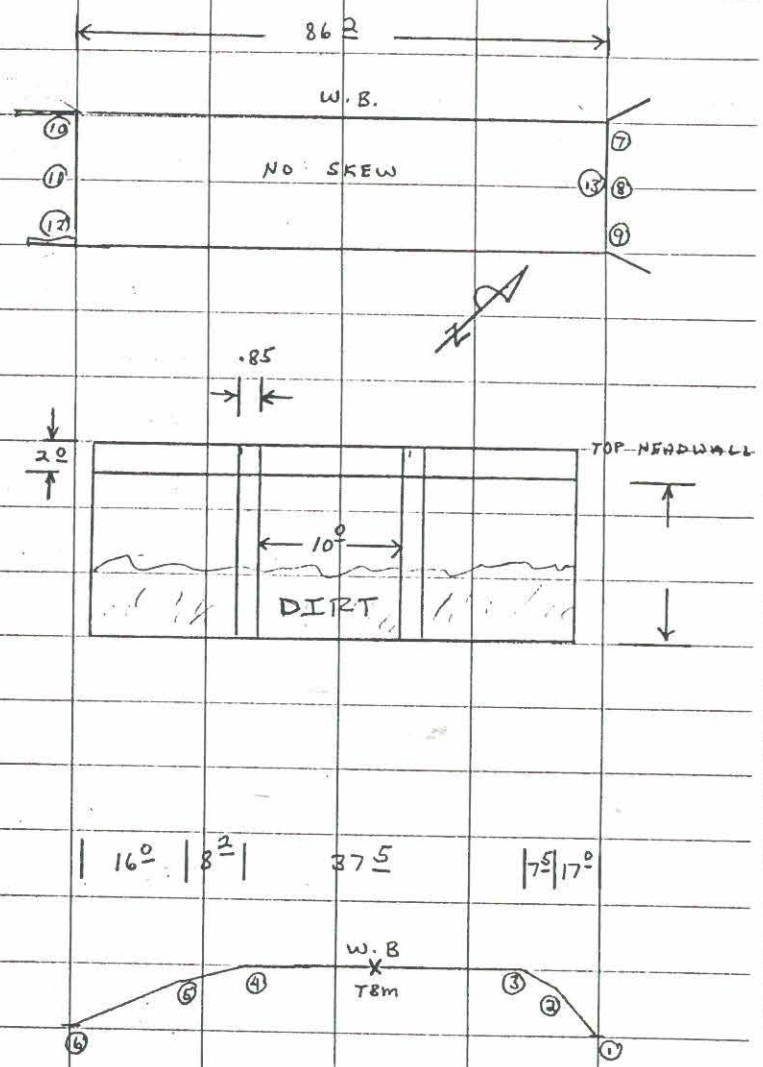
S-13 W.B.

3 BARREL R.C.B.

STA	+	HI	-	ELEV	ASSUMED ℄ STRIPE: W.B
TBm	3.21	103.21		100.00	TOP HEADWALL
1			12.71	90.50	
2			5.2	98.01	BRK
3			3.28	99.93	E.P.
4			3.07	100.14	E.P.
5			4.8	98.41	BRK
6			12.91	90.30	TOP HEADWALL
7			17.6	85.61	⊥ DIRT
8			17.5	85.71	"
9			17.2	86.01	"
10			18.8	84.41	"
11			18.9	84.31	"
12			18.6	84.61	"
13			12.71	90.50	

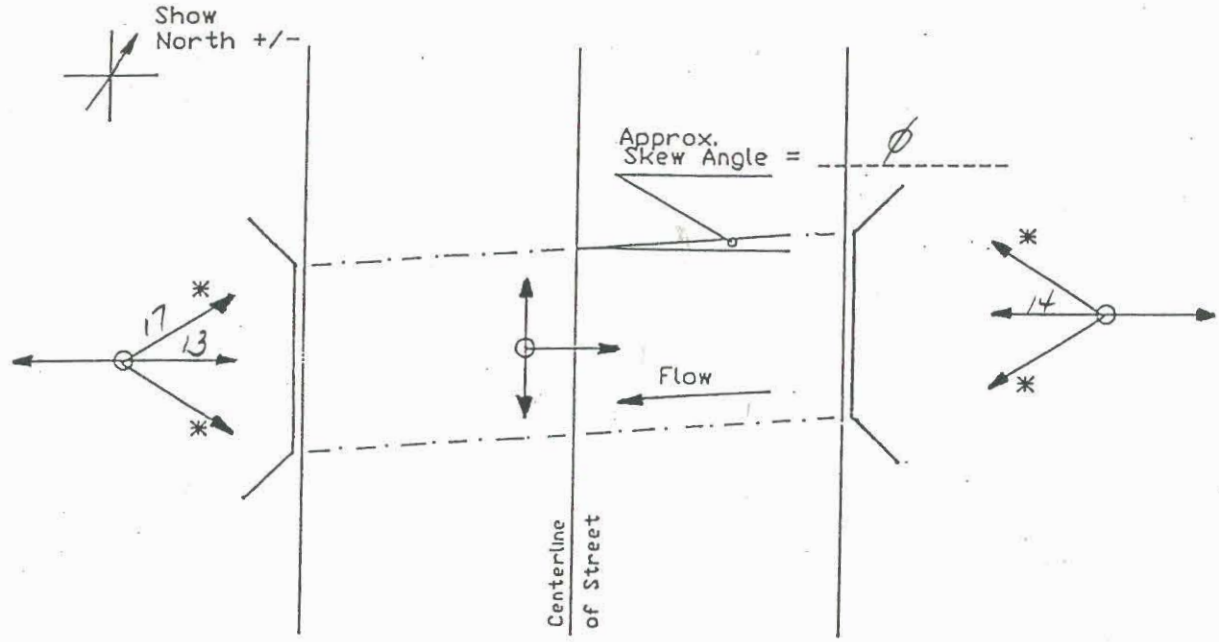
ADOT BC ELEV. 1954.47

STA 1027+53.81



WICKENBURG
90 022
S-13 WESTBOUND

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊙——►): Roll No. 2



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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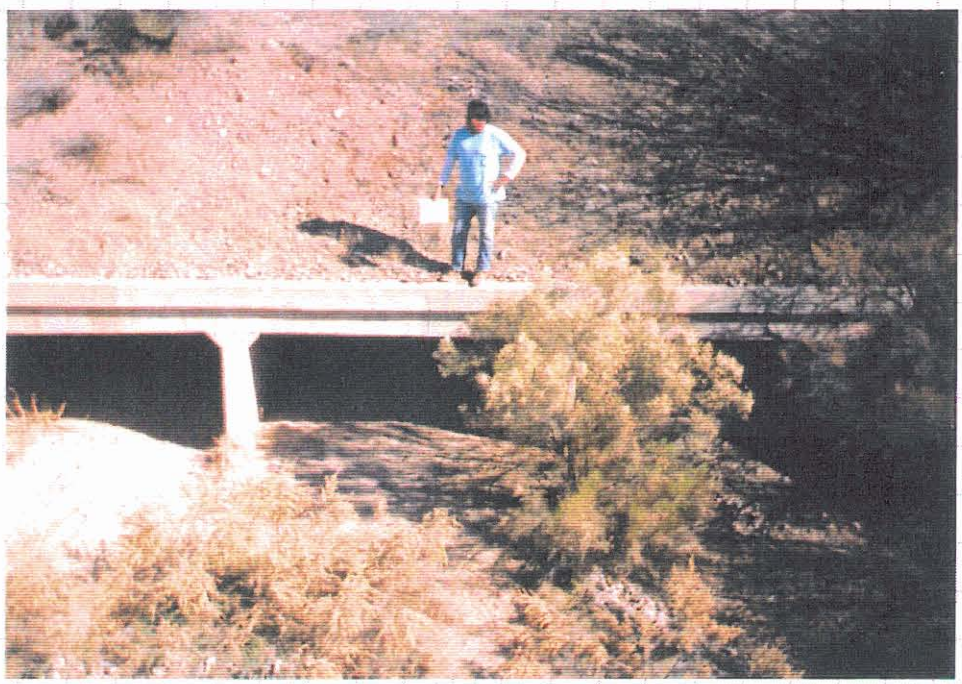

WESTBOUND STRUCTURE PHOTO #13
LEFT SIDE

WESTBOUND STRUCTURE PHOTO #14
RIGHT SIDE

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DATE
DATE

WESTBOUND STRUCTURE PHOTO #17
LEFT SIDE

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 7.1 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "K"

Party Chief: R. DESMOND

Structure No. K-2

Structure	Diam.	Span	Rise
R.C.B.	3-10'x?	x 31'8"	
R.C.P.			
C.M.P.			
Other			

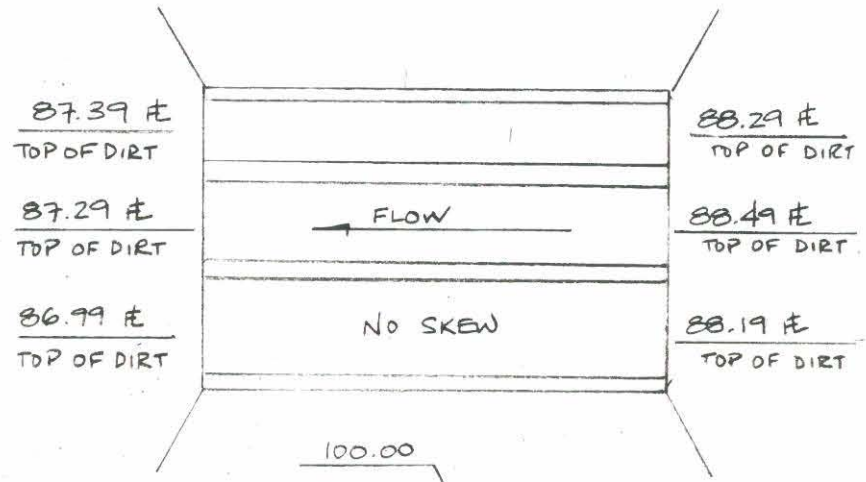
Struct. Cond.: ✓ Good __ Fair __ Poor

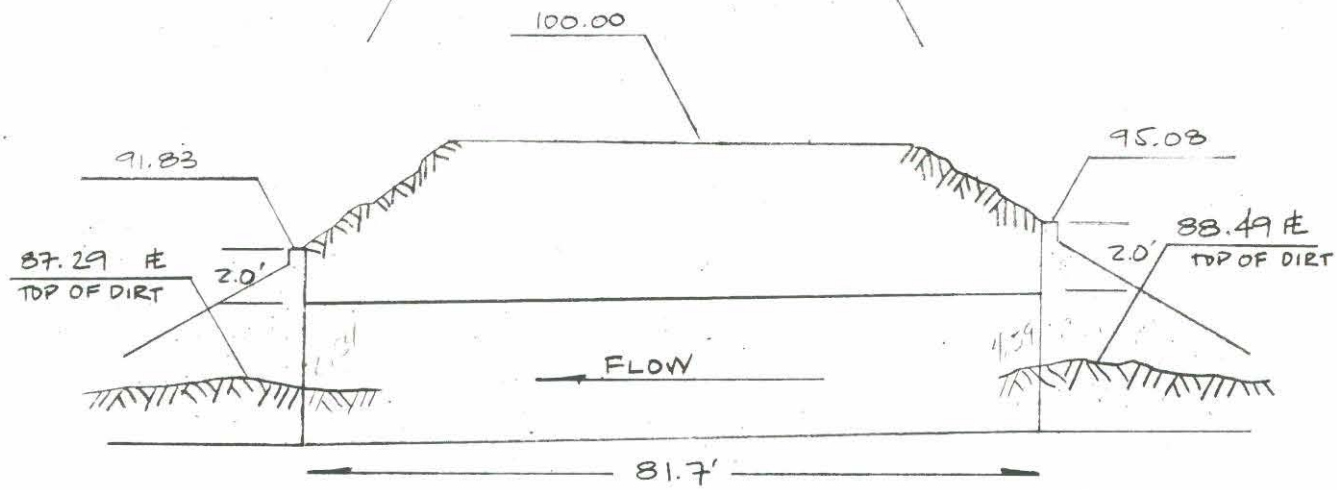
Headwall(s): ✓ Yes __ No: Cond.: GOOD

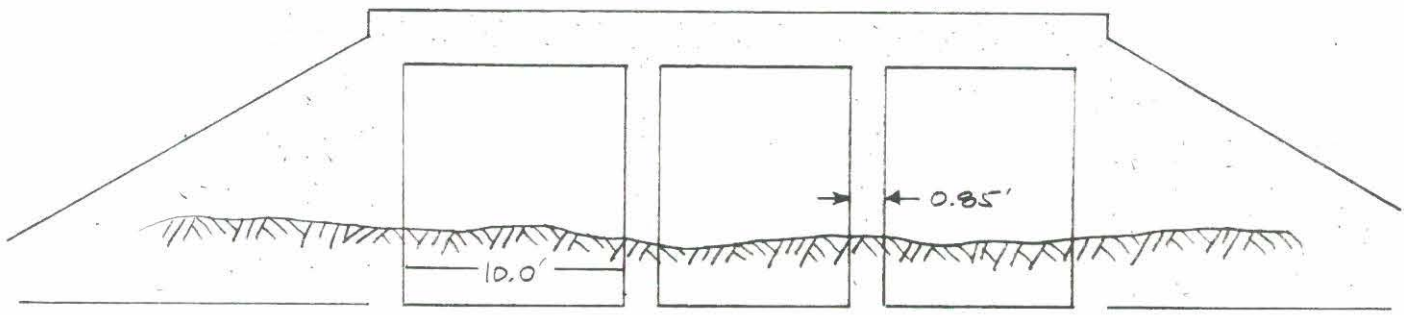
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ±11.51

No. of Spans or Barrels: 3







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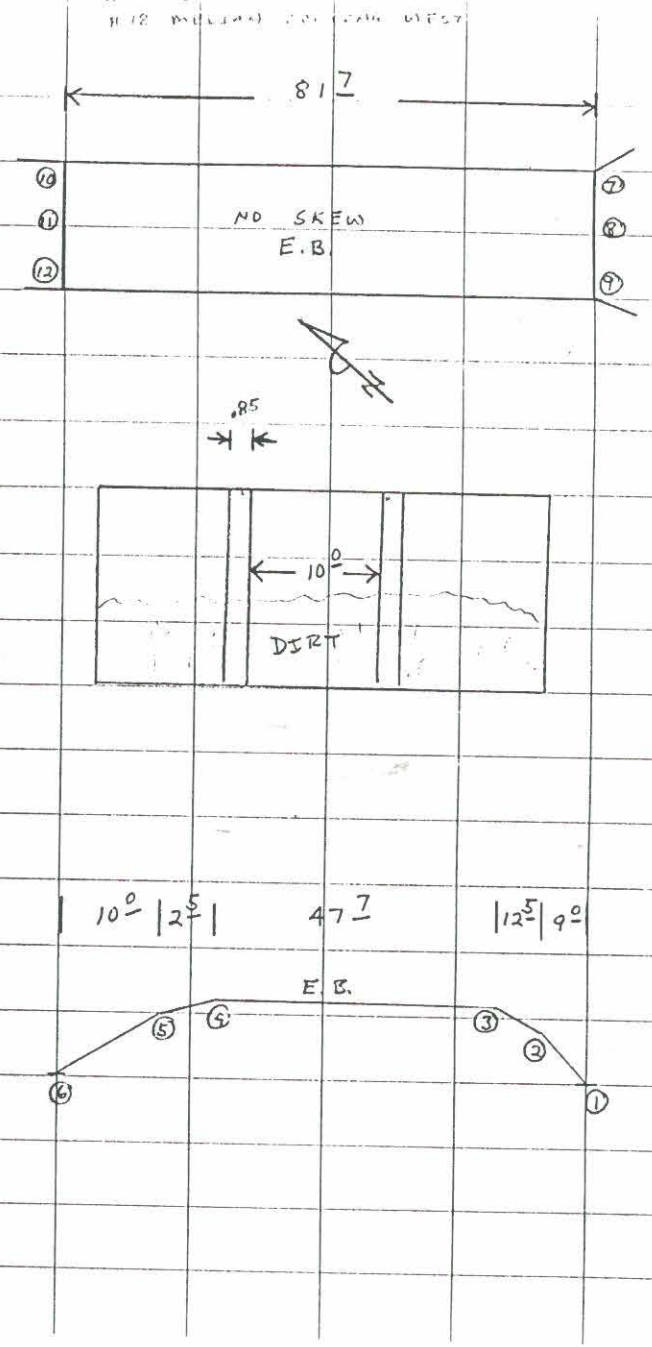
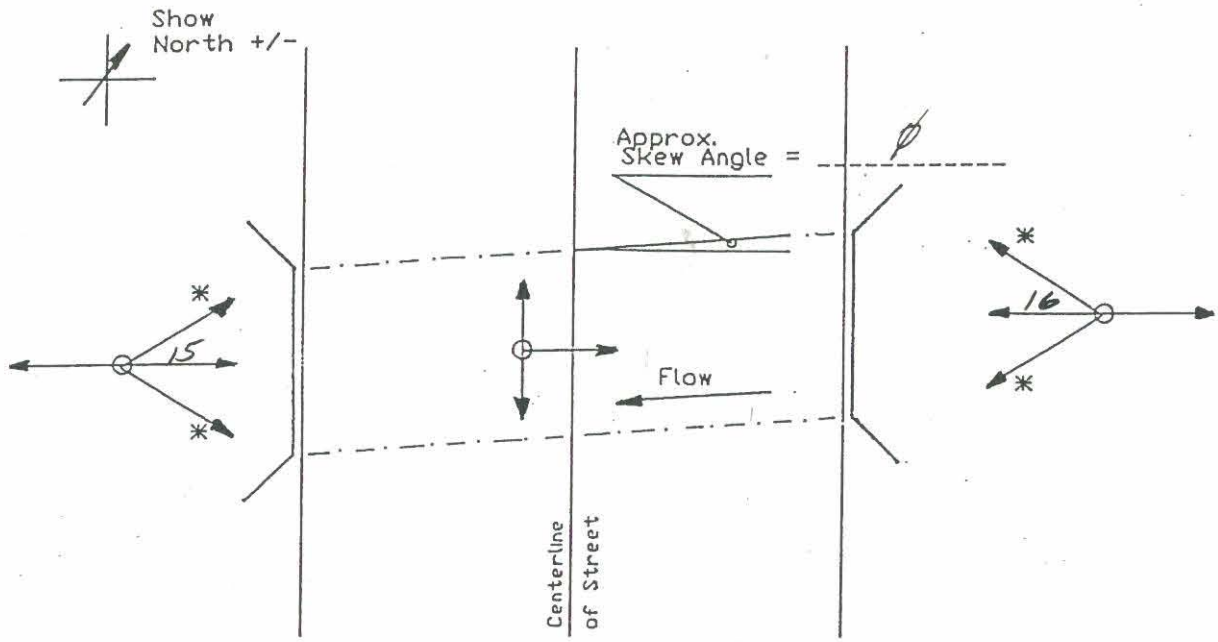
S-13 E.B.
3 BARREL R.C.B.

STA	+	HI	−	ELEV	
TBm	4.79	104.79		100.00	ASSUMED & STRIPE E.B
1			12.96	91.83	TOP HEADWALL
2			8.3	96.49	BRK
3			5.03	99.76	EP
4			4.34	100.45	EP
5			5.1	99.69	BRK
6			9.71	95.08	TOP HEADWALL
7			17.4	87.39	⌀ DIRT
8			17.5	87.29	"
9			17.8	86.99	"
10			16.5	88.29	"
11			16.3	88.49	"
12			16.6	88.19	"



WICKENBURG
90-022
S-13 EAST BOUND

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊙——▸): Roll No. 2



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EASTBOUND STRUCTURE PHOTO #15
LEFT SIDE

EASTBOUND STRUCTURE PHOTO #16
RIGHT SIDE

Unnamed Wash #7 (L)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 7.35 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "L"

Party Chief: R. DESMOND

Structure No. L-1 WEST BOUND

Structure	Diam.	Span	Rise
R.C.B.	2-8' x 6' x 74' 7"		
R.C.P.			
C.M.P.			
Other			

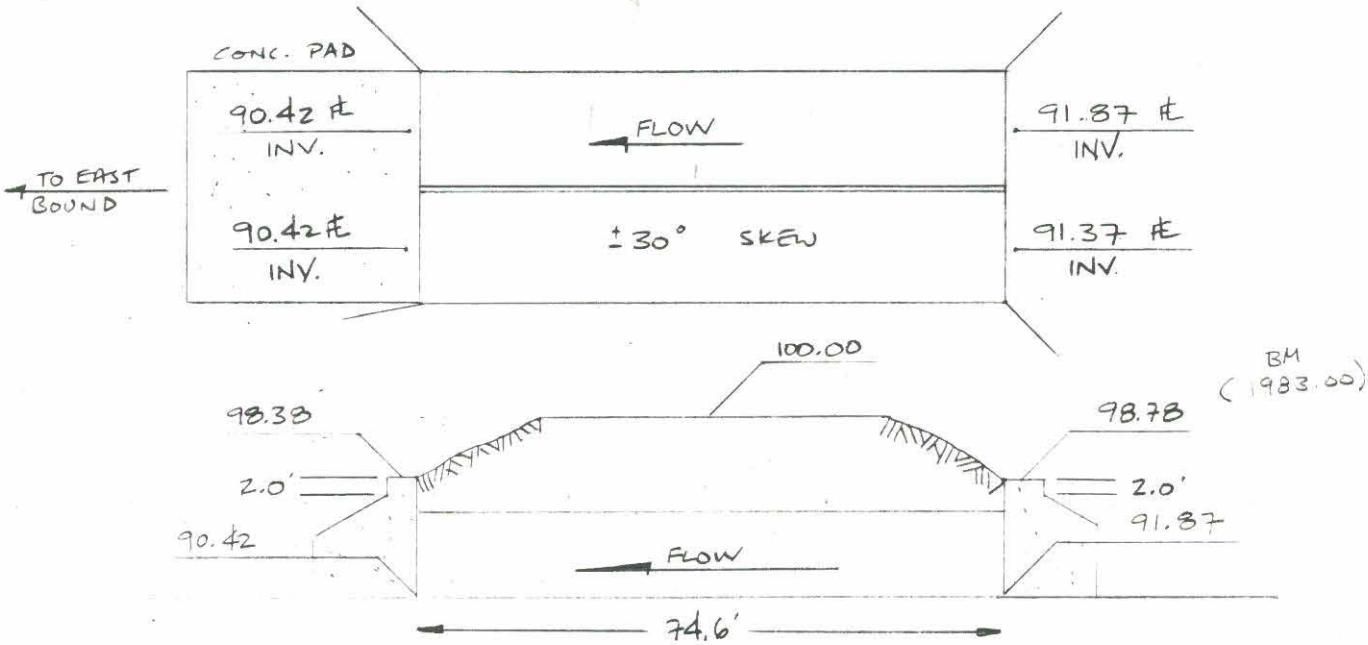
Struct. Cond.: ✓ Good __ Fair __ Poor

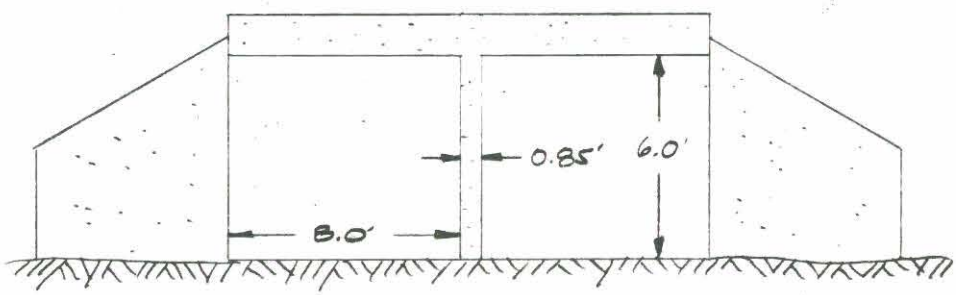
Headwall(s): ✓ Yes __ No: Cond.: GOOD

Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 8.13

No. of Spans or Barrels: 2





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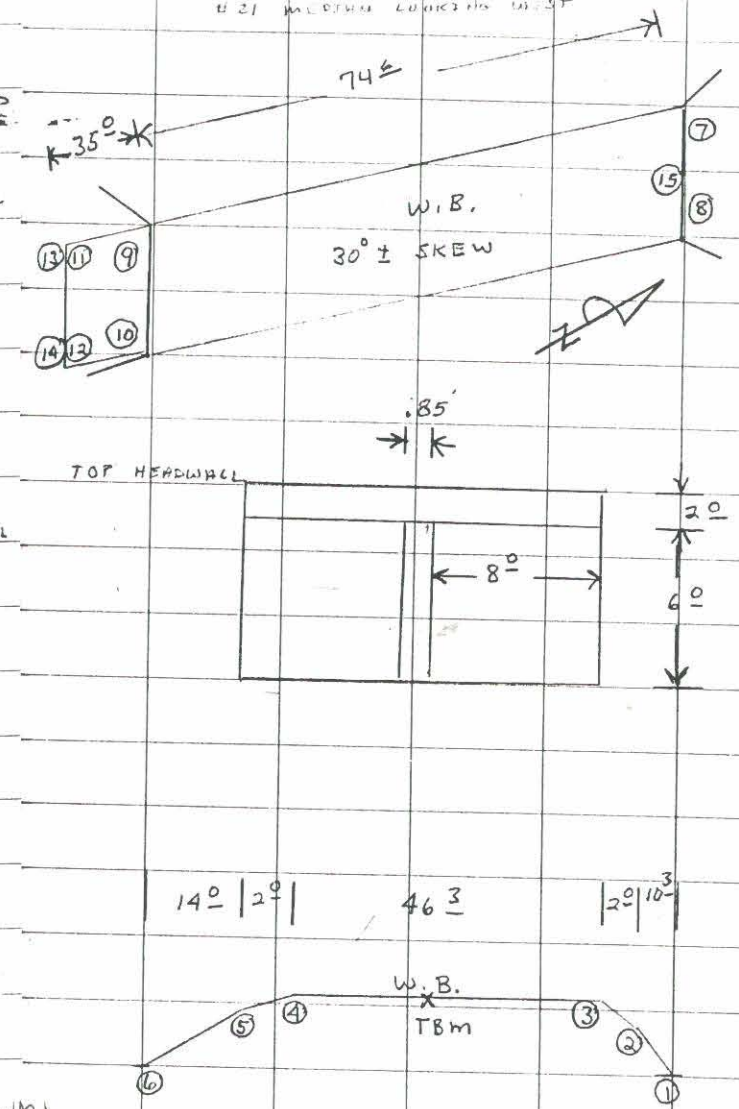
S-14 W.B.

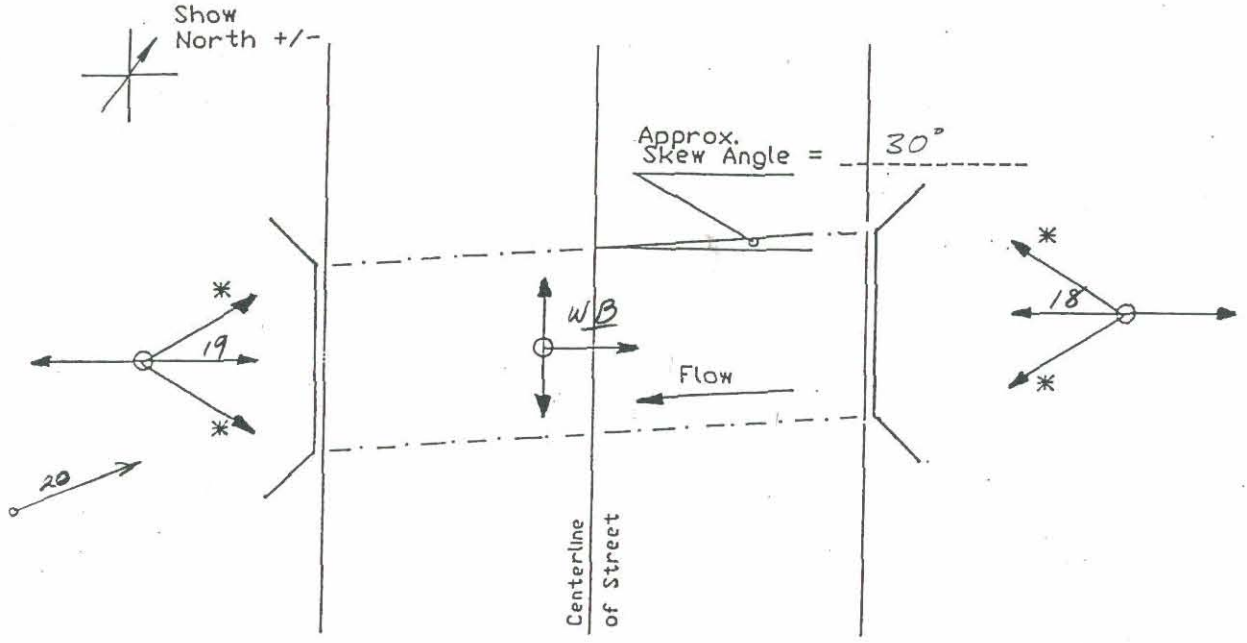
2 BARREL R.C.B.

	STA	+	HI	-	ELEV.	
B	TBm	4.67	104 67		100.00	ASSUMED & STRIPE W.B.
	1			5.89	98 78	TOP HEADWALL
	2			5.10	99 57	BRK
	3			4.78	99 89	E.P.
	4			4.57	100 10	E.P.
	5			5.0	99 67	BRK
	6			6.29	98 38	TOP HEADWALL
	7			12.8	91 87	"
	8			13.3	91 37	"
	9			14.25	90 42	"
	10			14.25	90 42	"
	11			15.30	89 37	TOP CONC
	12			15.32	89 35	TOP CONC
	13			17.4	87 27	TOE
	14			17.5	87 17	TOE
T	(15)			5.89	98 78	TOP HEADWALL



W[illegible]
90-022
S-14 WB

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖——→): Roll No. 2



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Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 7.35 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "L"

Party Chief: R. DESMOND

Structure No. L-2 EAST BOUND

Structure	Diam.	Span	Rise
R.C.B.	2-8' x 6' x 64'4"		
R.C.P.			
C.M.P.			
Other			

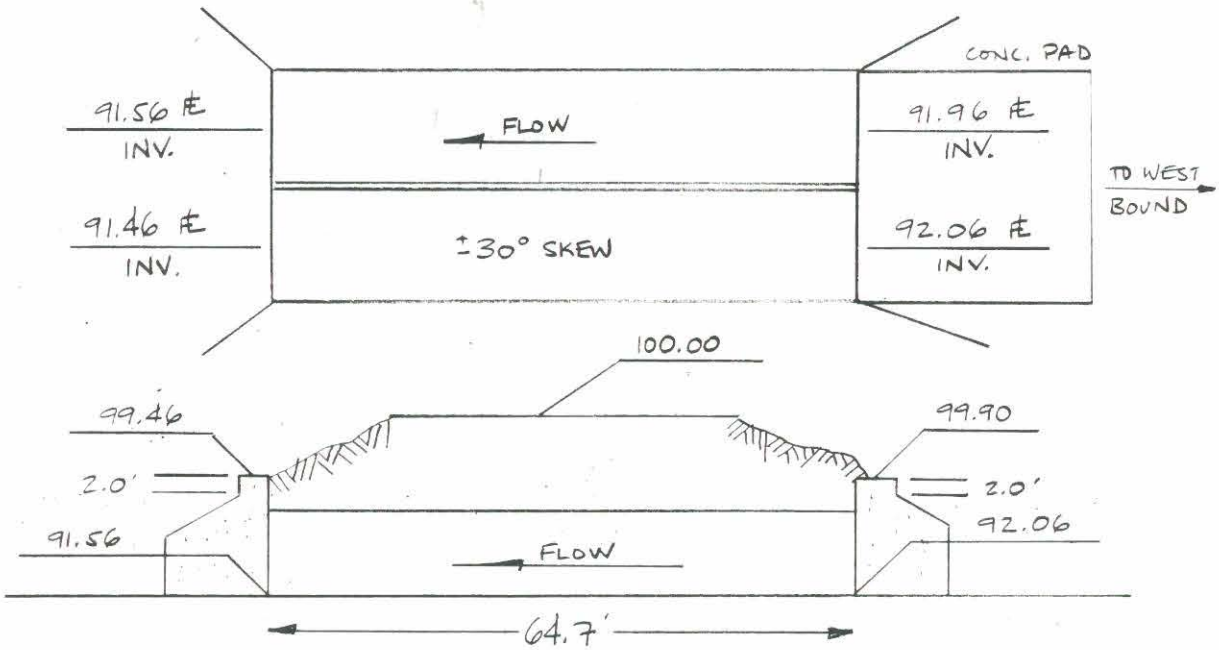
Struct. Cond.: ✓ Good __ Fair __ Poor

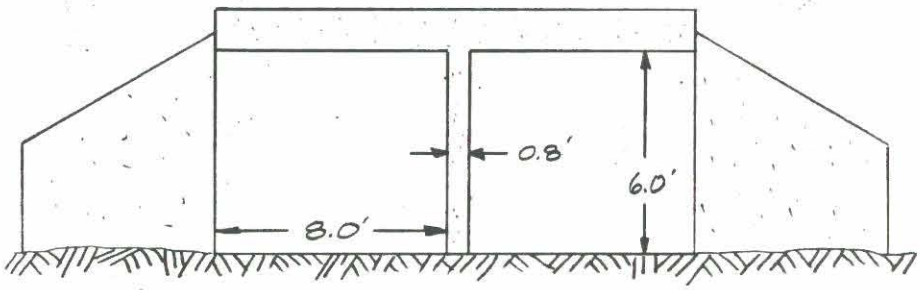
Headwall(s): ✓ Yes __ No: Cond.: GOOD

Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 7.94

No. of Spans or Barrels: 2





Date: 1/91

Morrison Maierle/CSSA

1-29-91 S-14 E.B.
L.G. 2 BARREL R.C.B.
A.S.

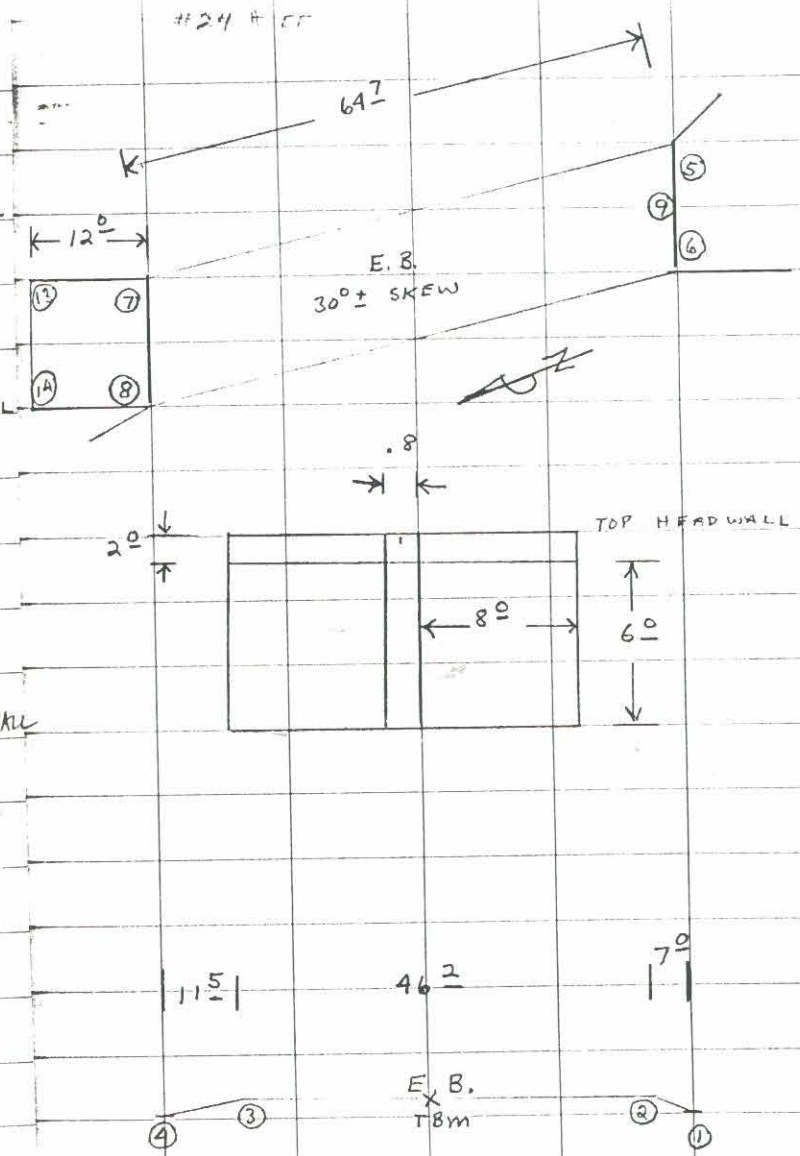
STA	+	HI	-	ELEV	
TBm	4.86	104.86		100.00	ASSUMED ℄ STRIPE E.B.
1			5.40	99.46	TOP HEADWALL
2			5.36	99.50	E.P.
3			4.41	100.45	E.P.
4			4.96	99.90	TOP HEADWALL
5			13.4	91.46	℄
6			13.3	91.56	"
7			12.8	92.06	"
8			12.9	91.96	"
9			5.40	99.46	TOP OF HEADWALL

ADOT B.C. ELEV 1977.77

STA 1013 + 99.12

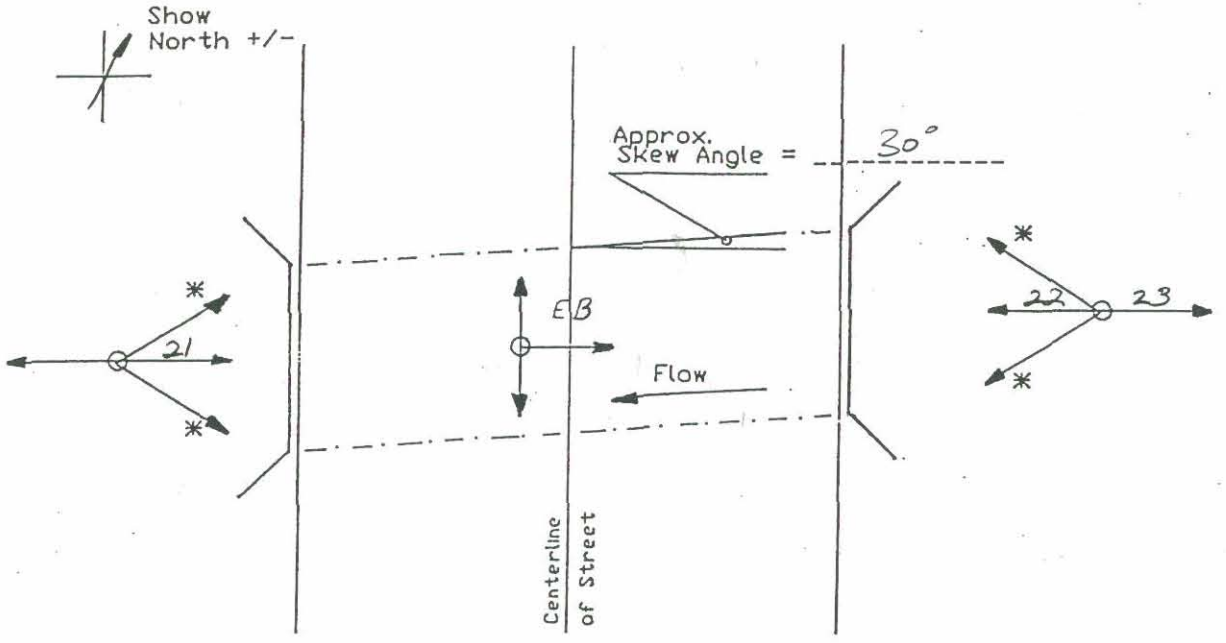
NOTE: #'S 13 & 14 MATCH LINE

SEE PG 24



WICKENBURG
90-022
S-14 EB

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖——→): Roll No. 2



* Photograph only if required.

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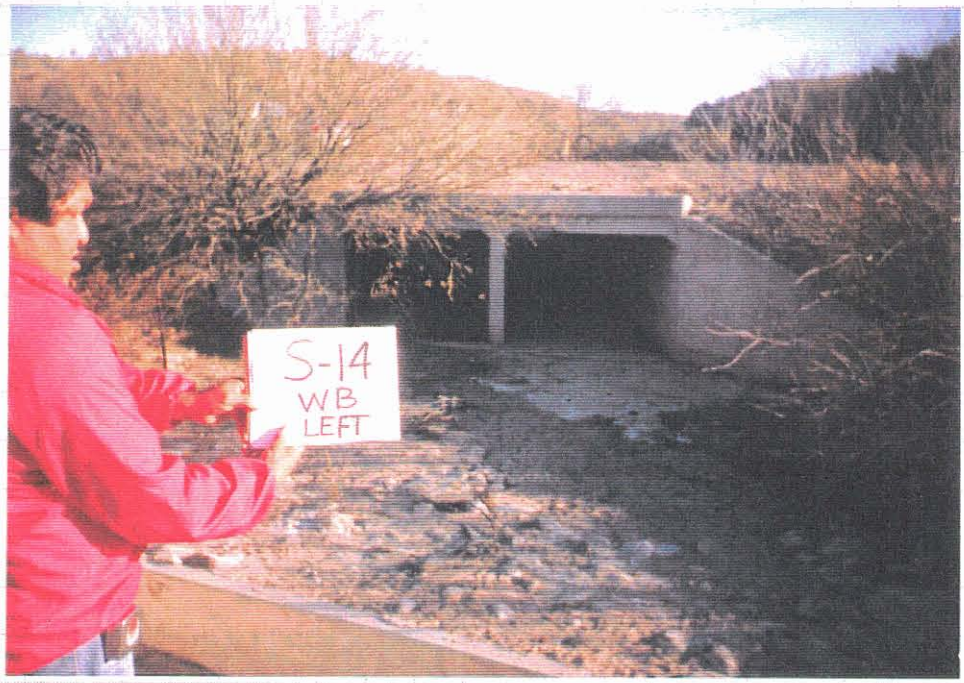
WESTBOUND STRUCTURE PHOTO # 18
RIGHT SIDE



WESTBOUND STRUCTURE PHOTO # 19
LEFT SIDE

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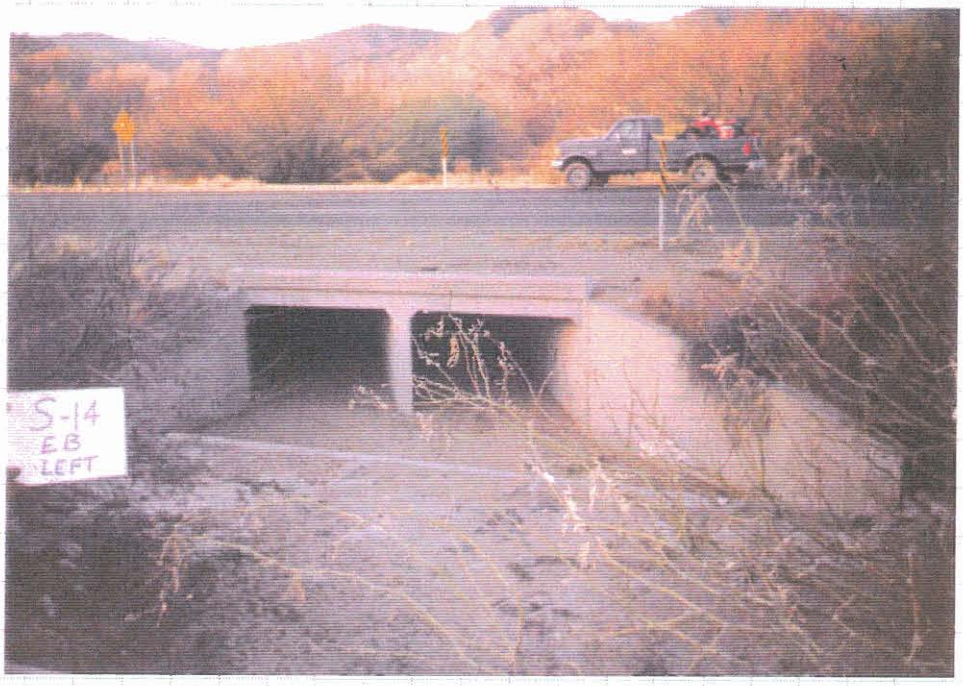
DATE ___
DATE ___



EASTBOUND STRUCTURE PHOTO # 21
LEFT SIDE

WESTBOUND STRUCTURE PHOTO # 20
LEFT SIDE FLOWLINE

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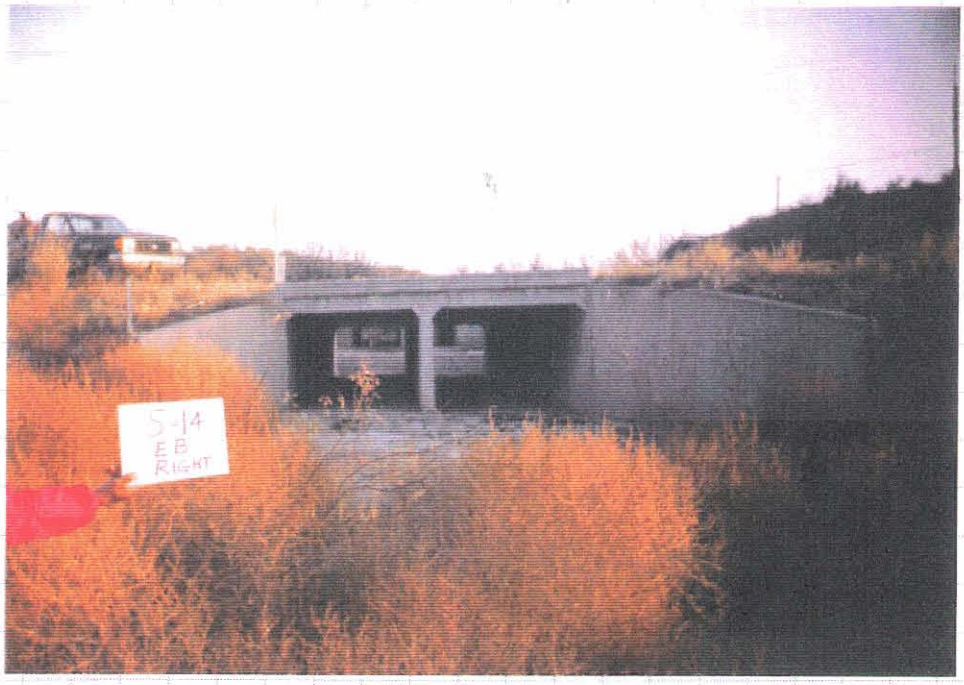
DATE ___



EASTBOUND STRUCTURE #22
RIGHT SIDE

EASTBOUND STRUCTURE #23
RIGHT SIDE FLOWLINE

Unnamed Wash #8 (M)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 7.58 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "M"

Party Chief: R. DESMOND

Structure No. M-1

Structure	Diam.	Span	Rise
R.C.B.	: 1-8'x7' x 219'6"		
R.C.P.	:		
C.M.P.	:		
Other	:		

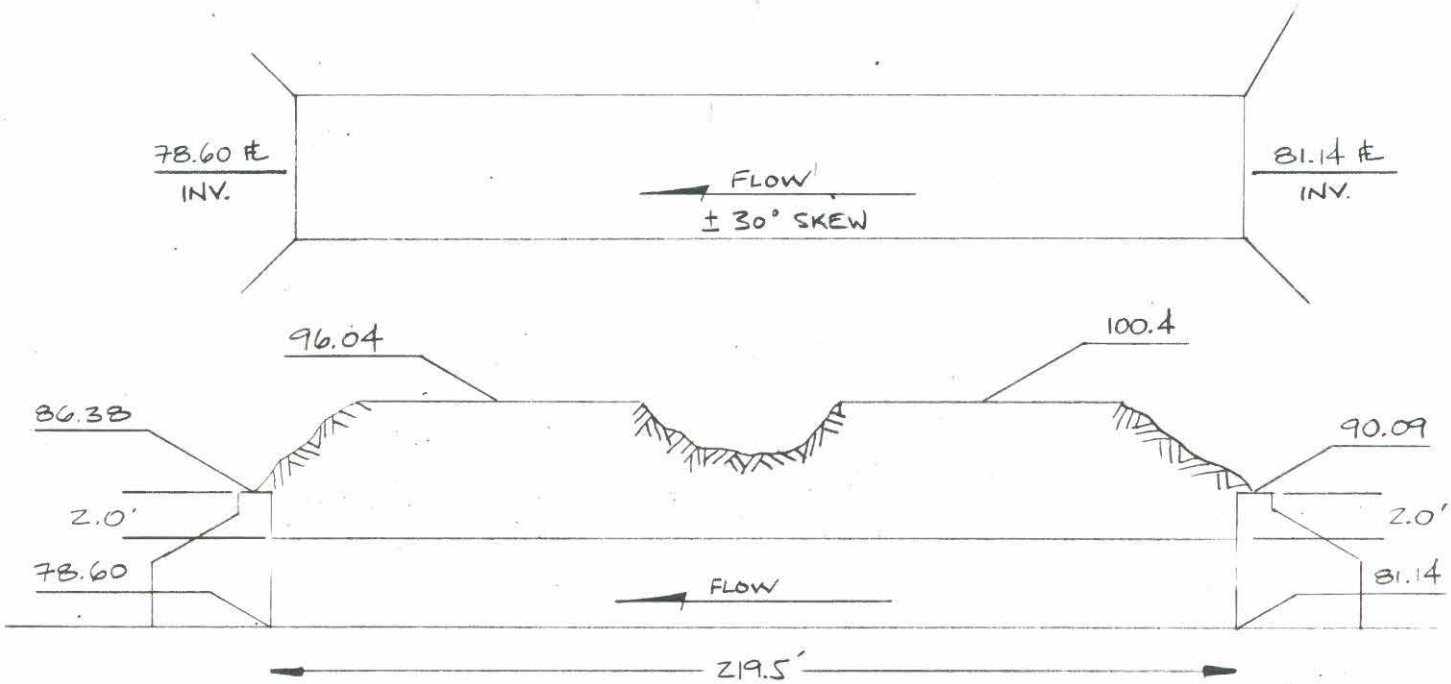
Struct. Cond.: ✓ Good __ Fair __ Poor

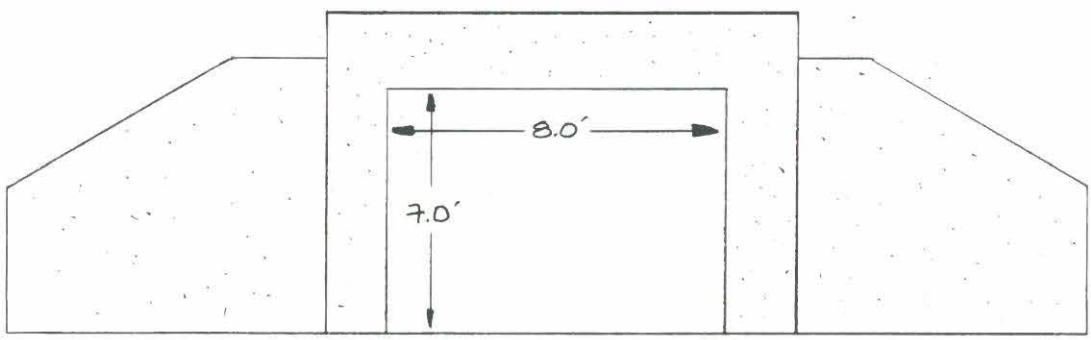
Headwall(s): ✓ Yes __ No: Cond.: GOOD

Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 18.86

No. of Spans or Barrels: 1





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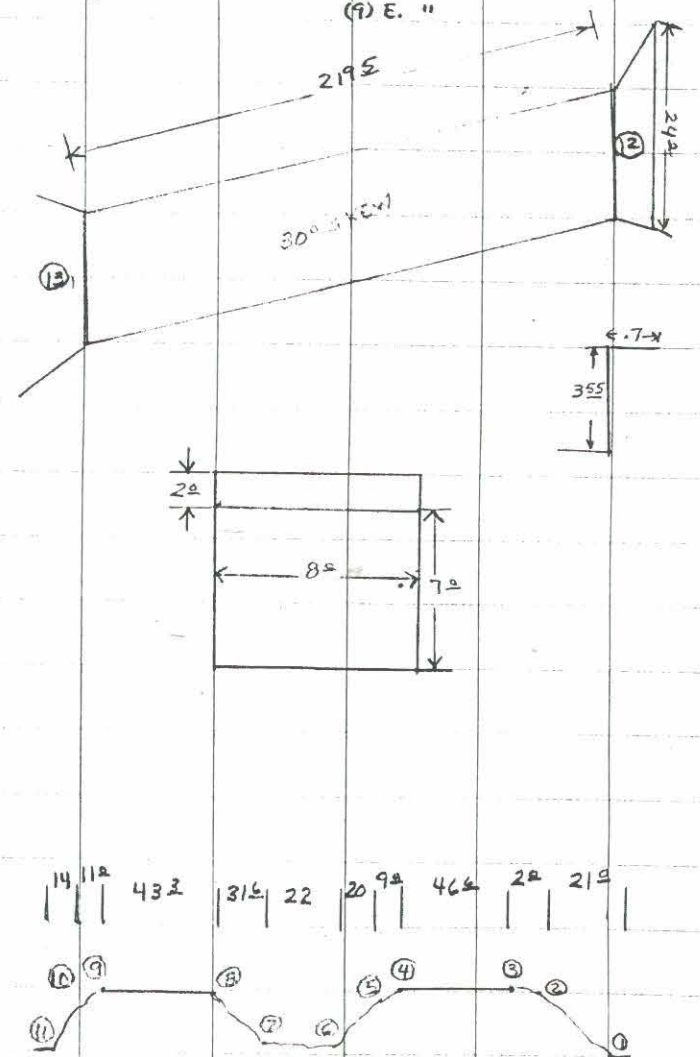
S-15 W.B.
1 BARREL R.C.B

	STA.	+	HI	−	ELEV.	
B	TBM	3.60	103.60		100.00	ASSUMED ℄ STRIP WG
	1			13.51	90.09	TOP HEADWALL
	2			4.7	98.9	BRK
	3			3.55	100.05	E.P
	4			3.57	100.03	EP.
	5			4.3	99.3	BRK.
	6			11.1	92.5	TOE
	7			11.5	92.1	TOE
	8			7.02	96.58	E.P
	9			8.06	95.54	EP
	10			11.0	92.60	BRK
	11			17.22	86.38	TOP HEADWAL
	12			22.46	81.14	℄
	13			25.0	78.6	℄
T						

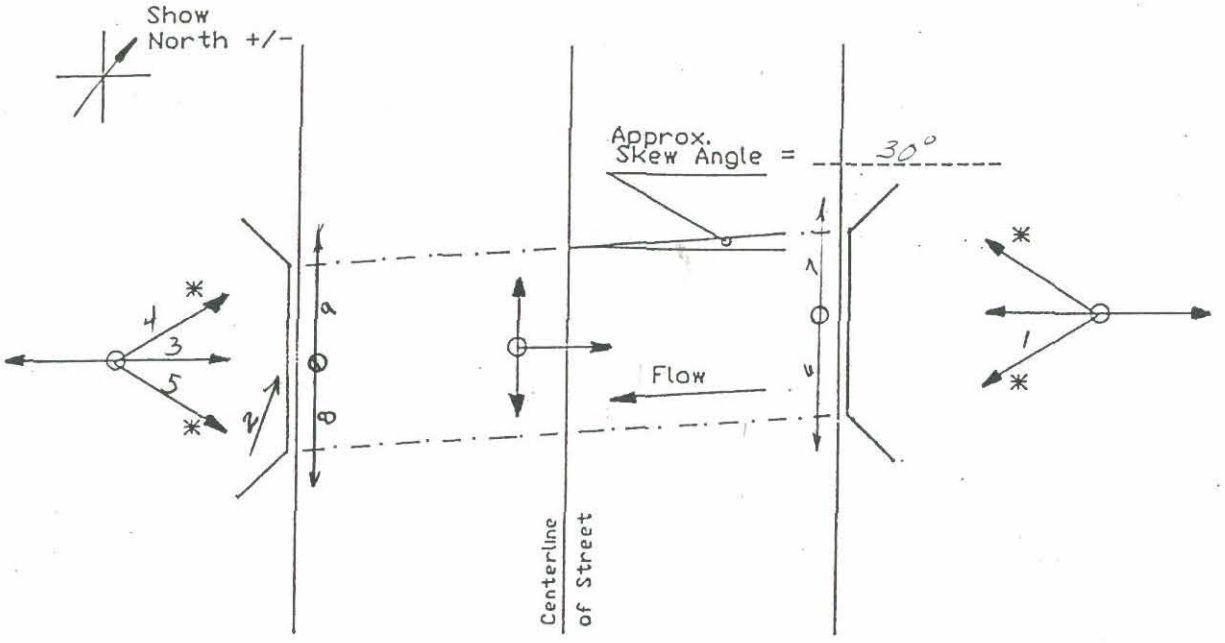
ROLL #3 WB
(1) LABLE
(2) BARREL
(3) W. WING WALL
(4) E. " "
(5) WASH RUNS FR. W. TO E.
EB = (6) LABLE
(7) BARREL
(8) W. WING
(9) E. "
(10) WASH
(11) DRAINAGE PIPE 115' FR. E.B. HDWL

26



WICKER ROAD
90-022
S-15

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊙——→): Roll No. 3



* Photograph only if required.

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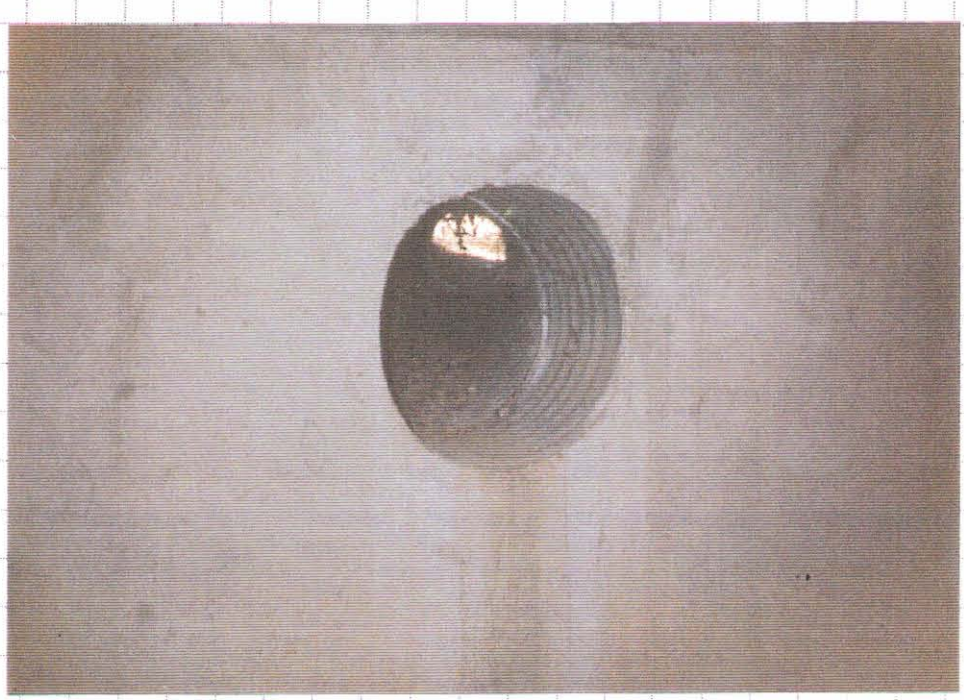
EAST WING PHOTO #1 8



10

PIPE IN WEST SIDE OF BOX PHOTO #2

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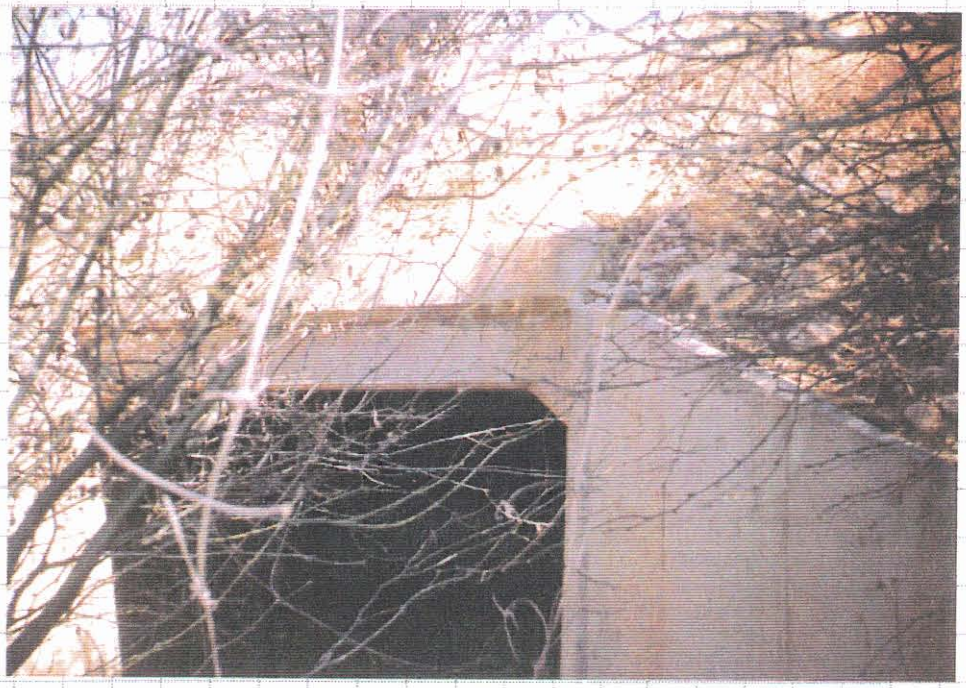
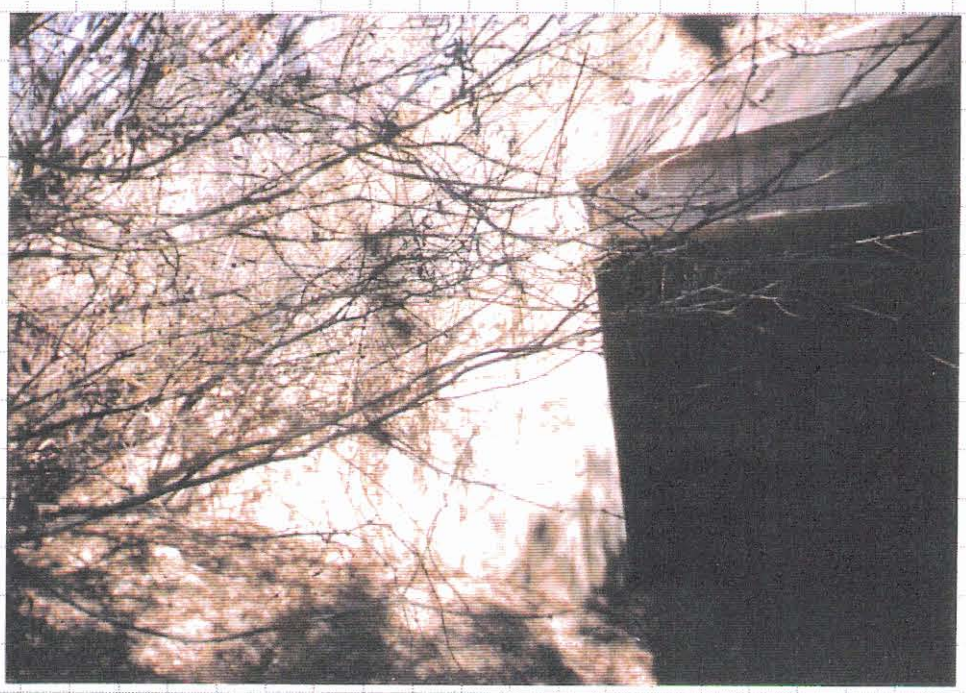
DATE ___
DATE ___



SOUTH HEADWALL PHOTO #3



WEST WINGWALL PHOTO #4

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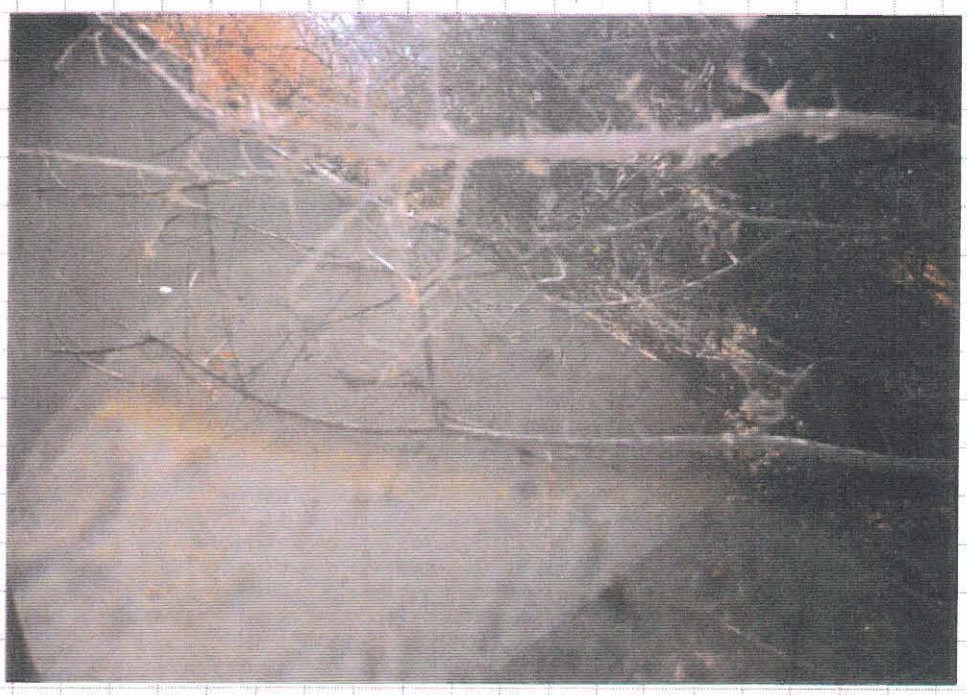
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



EAST WINGWALL PHOTO #5 13

EAST BOUND SOUTH SHOULDER PHOTO #6 15
LOOKING WEST

Morrison Maierle/CSSA INC.
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PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

EAST BOUND - SOUTH SHOULDER PHOTO #7
LOOKING EAST

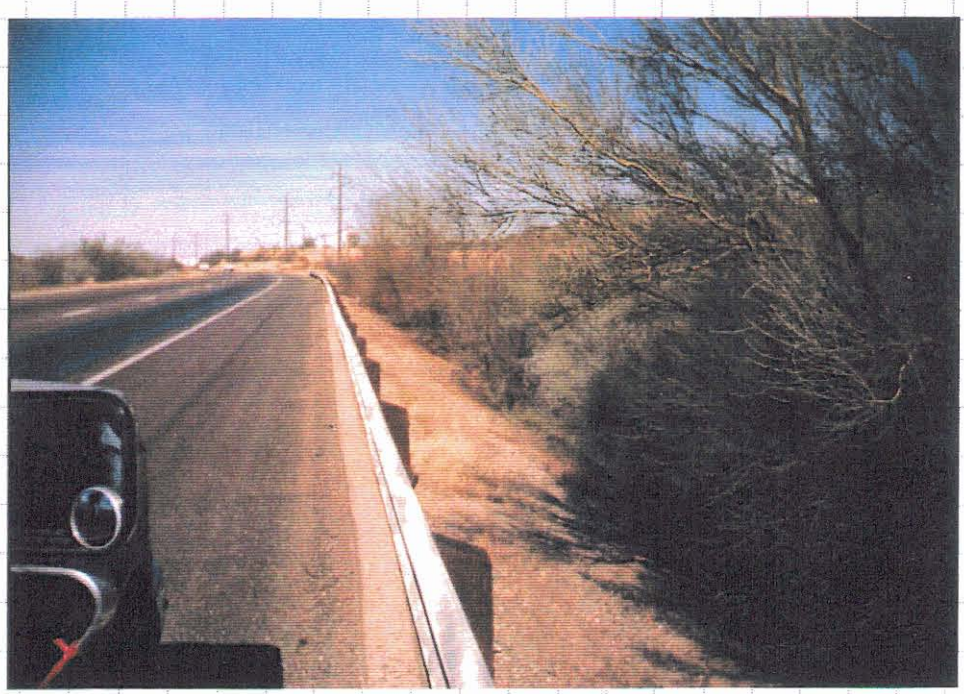

PHOTO #8
WEST BOUND - NORTH SHOULDER
LOOKING WEST

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PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
"P" DATE ___

PHOTO #9

WESTBOUND - NORTH SHOULDER
LOOKING EAST

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SURVEYORS
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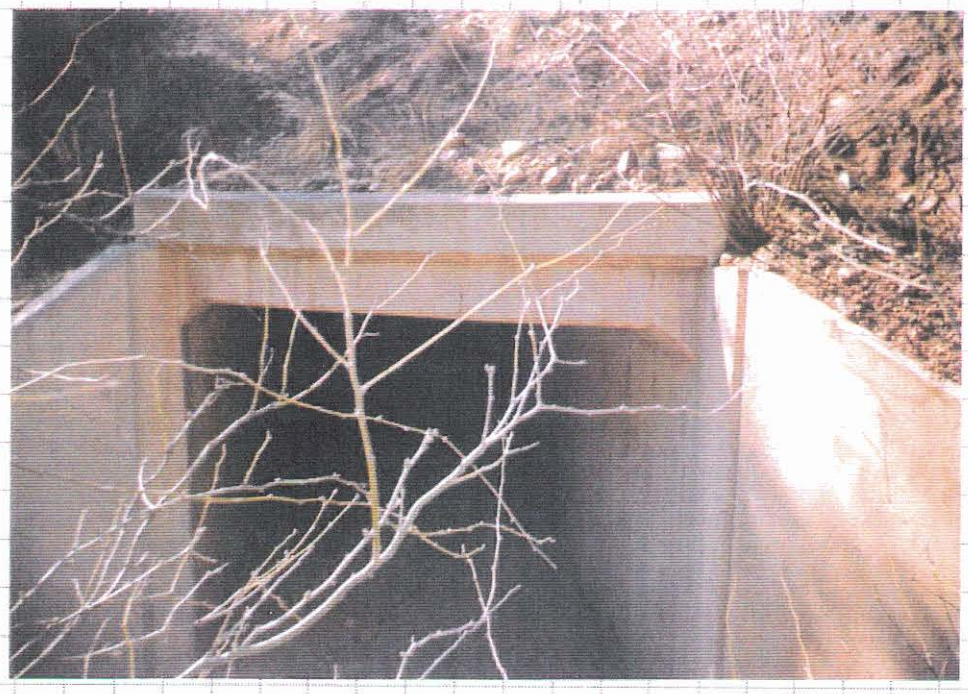
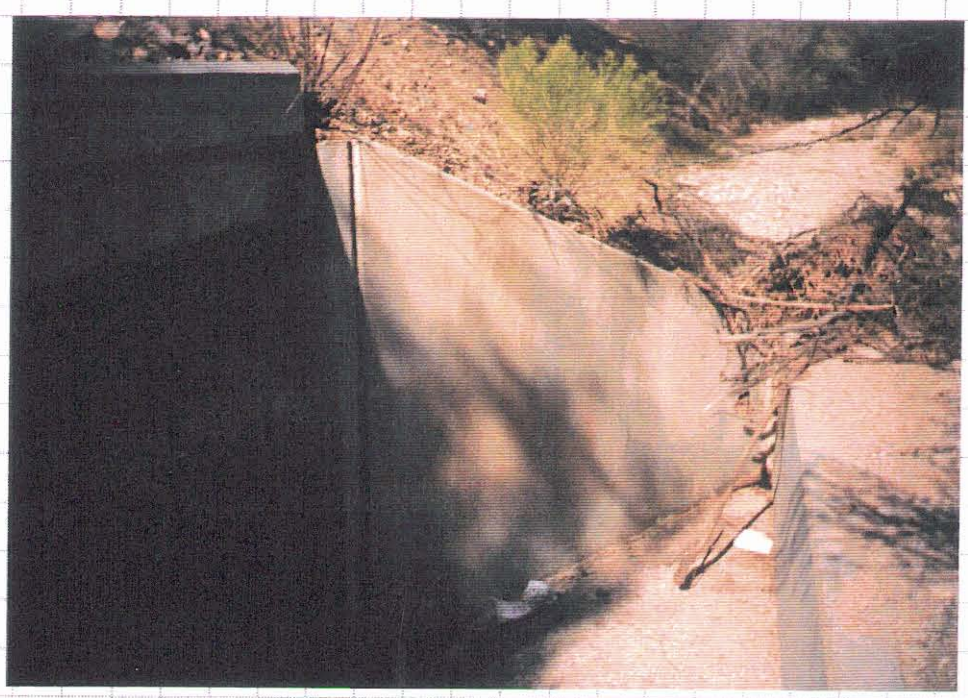
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



NORTH HEADWALL



WEST WINGWALL

Unnamed Wash #11 (N)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 0.77 MILES N/WLY OF THE INTERSECTION OF S.R.93 AND THE HASSAYAMPA RIVER

Wash Name: "N"

Party Chief: R. DESMOND

Structure No.

Structure	Diam.	Span	Rise
R.C.B.	:		
R.C.P.	:		
C.M.P.	:		
Other	:		

Struct. Cond.: __ Good __ Fair __ Poor

Headwall(s): __ Yes __ No: Cond.: _____

Wingwalls: __ Yes __ No: Cond.: _____

Depth of Available Headwater: _____

No. of Spans or Barrels: _____

ROLL 6

HASSAYAMPA RIVER

30

JACK BURDEN LANE

31

Date: 1/91

Morrison Maierle/CSSA

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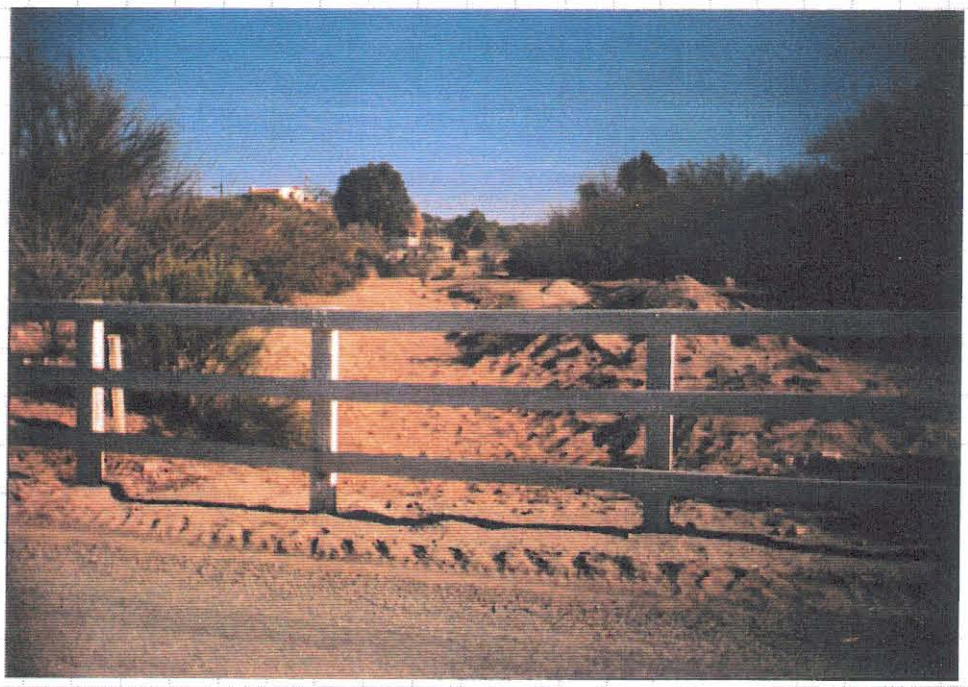
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

30

WASH 100' WEST



31

Unnamed Wash #12 (O)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 8.89 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "O"

Party Chief: R. DESMOND

Structure No. O-1

Structure	Diam.	Span	Rise
R.C.B.	: 3-10' x 8' x 97' 8"		
R.C.P.	:		
C.M.P.	:		
Other	:		

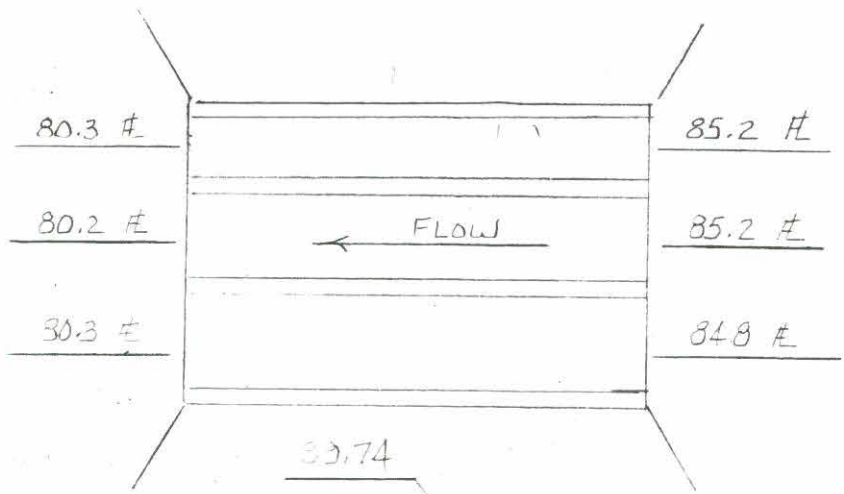
Struct. Cond.: ✓ Good __ Fair __ Poor

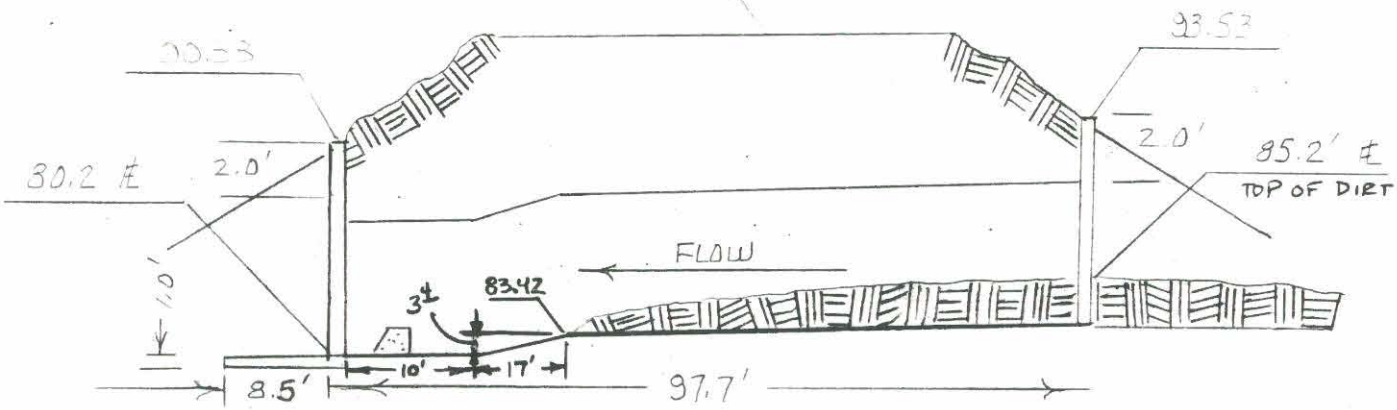
Headwall(s): ✓ Yes __ No: Cond.: GOOD

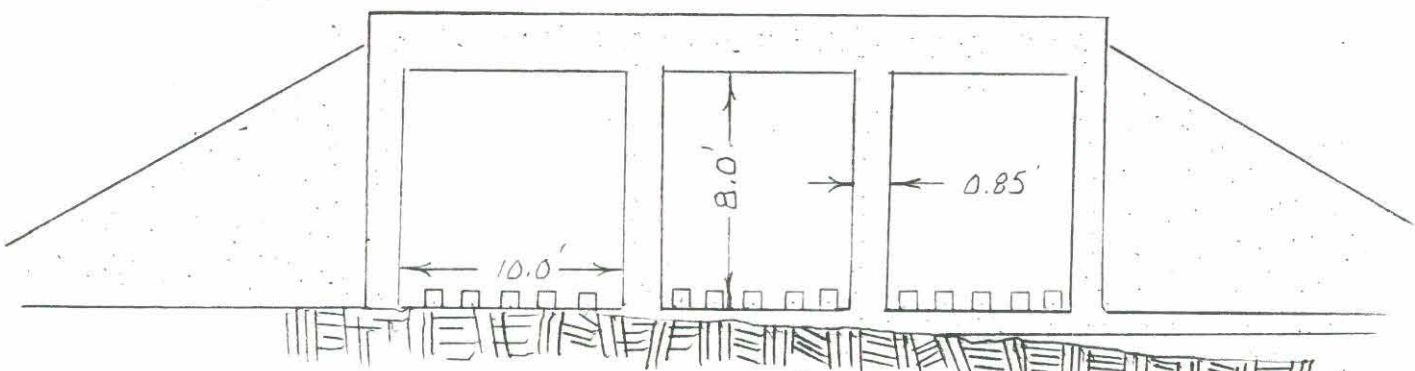
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ±14.54

No. of Spans or Barrels: 3





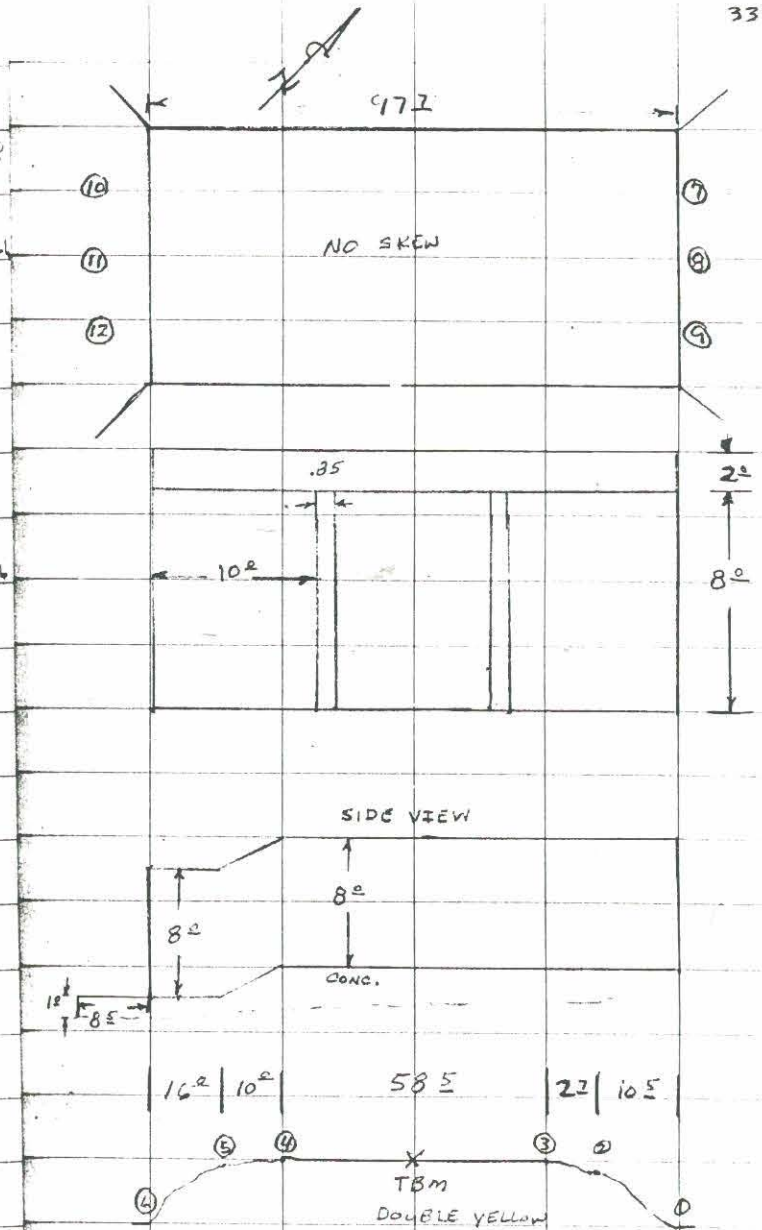


Date: 1/91

Morrison Maierle/CSSA

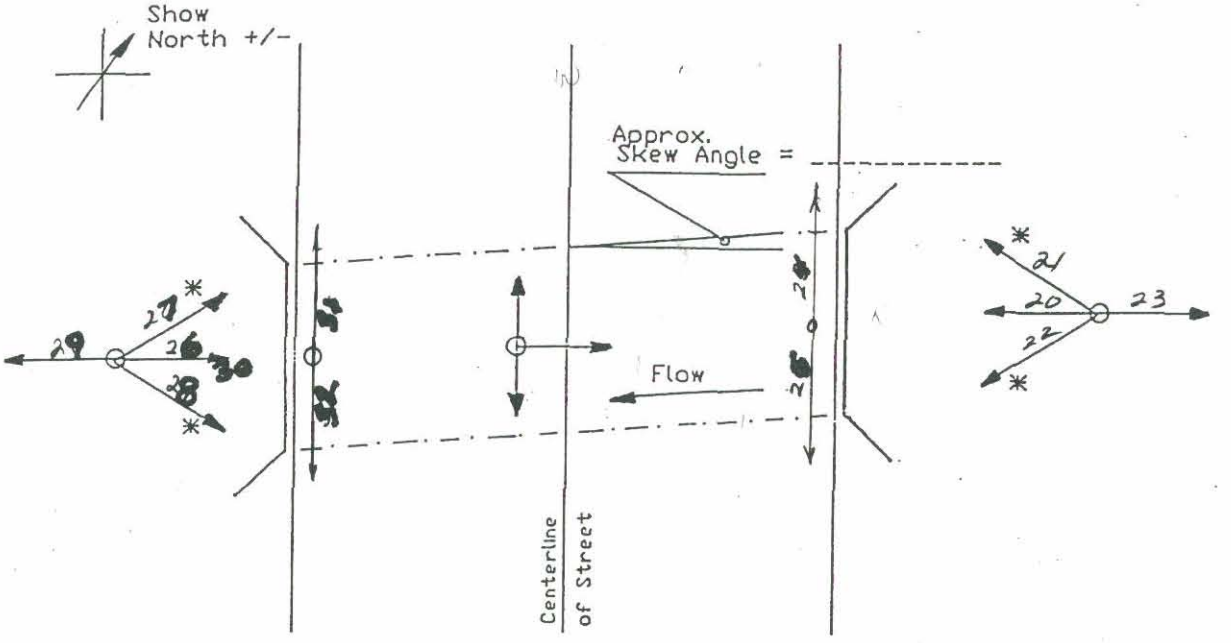
S-17 WB 3 BARREL RCB

STA	+	HI	−	ELEV.	
TBm	4.63	104.63		100.00	ASSUMED ℄ SURVEY
1			11.10	93.53	TOP HEADWALL
2			6.1	98.5	BRK
3			5.43	99.20	EP
4			4.35	100.28	EP
5			4.4	100.23	BRK
6			14.05	90.58	TOP HEADWALL
7			19.4	85.2	℄
8			19.4	85.2	℄
9			19.8	84.8	℄
10			24.3	80.3	℄
11			24.4	80.2	℄
12			24.3	80.3	℄



WICKENBURG
90.022
S-17 WB

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (o——→): Roll No. 4



* Photograph only if required.

Special Notes:
REFER TO FIELD NOTES

CVL - Nov. 5, 1990

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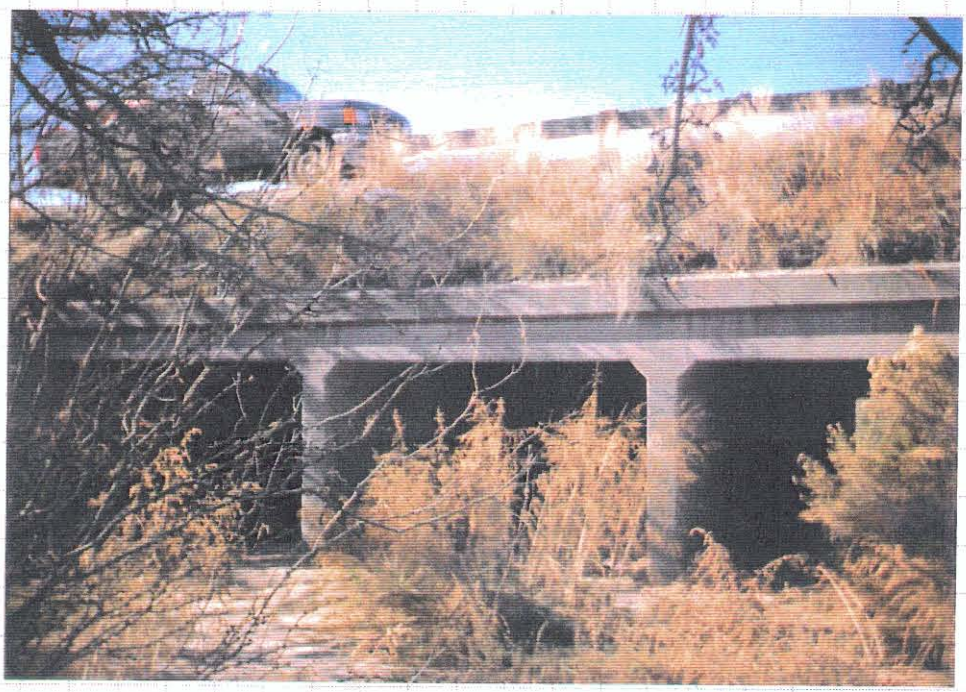
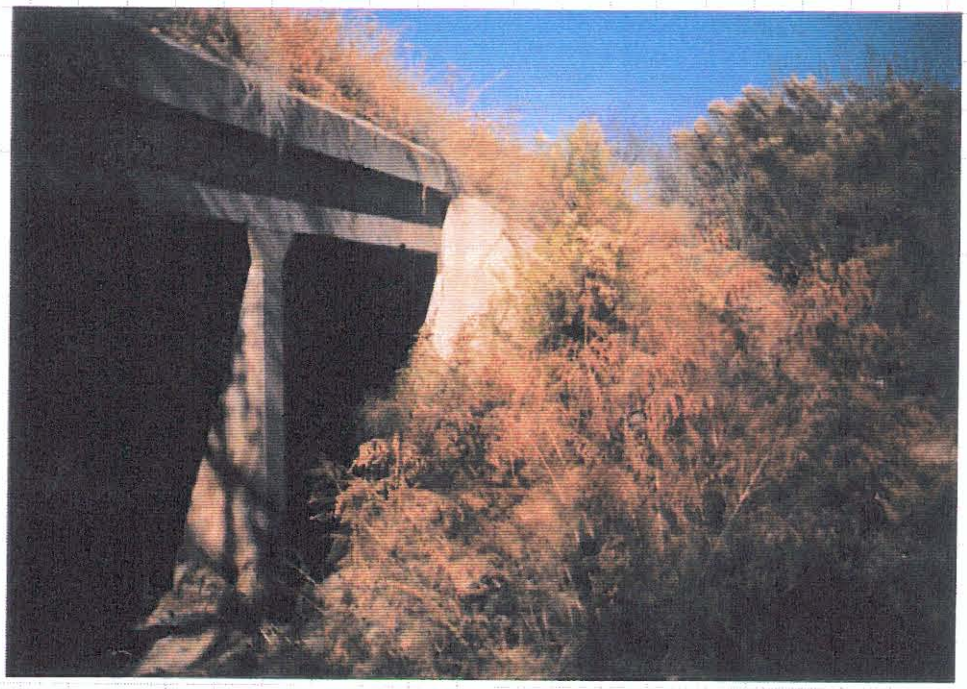
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



WESTBOUND STRUCTURE PHOTO #20 23
NORTH HEADWALL



WESTBOUND STRUCTURE PHOTO #21 24
WEST WINGWALL

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PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

WESTBOUND STRUCTURE PHOTO #22
EAST WINGWALL

WESTBOUND STRUCTURE PHOTO #23
CHANNEL TO NORTHWEST

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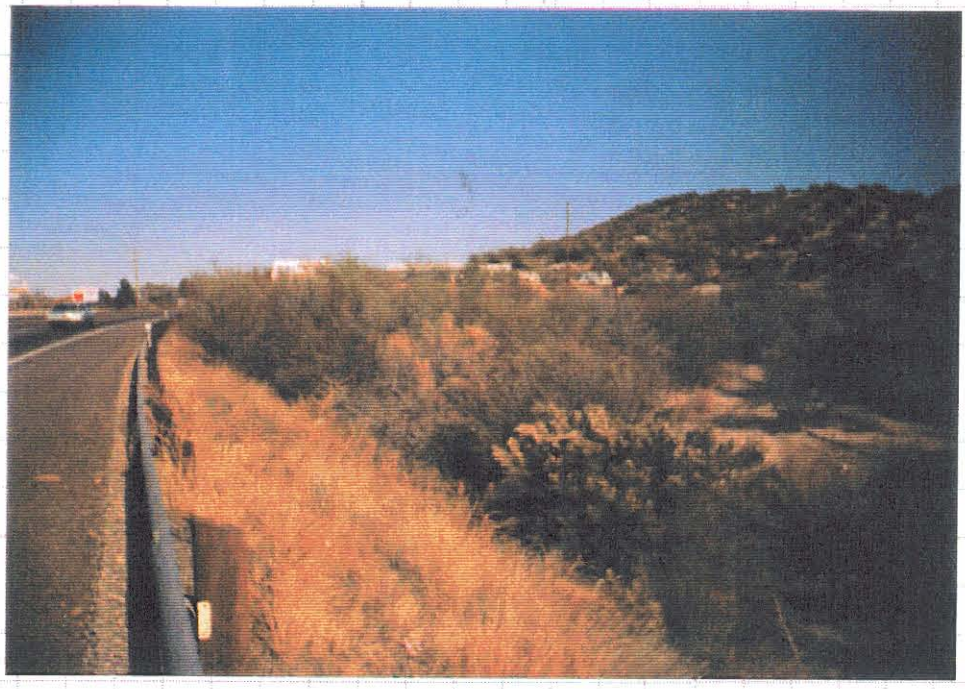
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



WESTBOUND STRUCTURE PHOTO #24
NORTH SHOULDER - LOOKING WEST

WESTBOUND STRUCTURE PHOTO #25
NORTH SHOULDER LOOKING EAST

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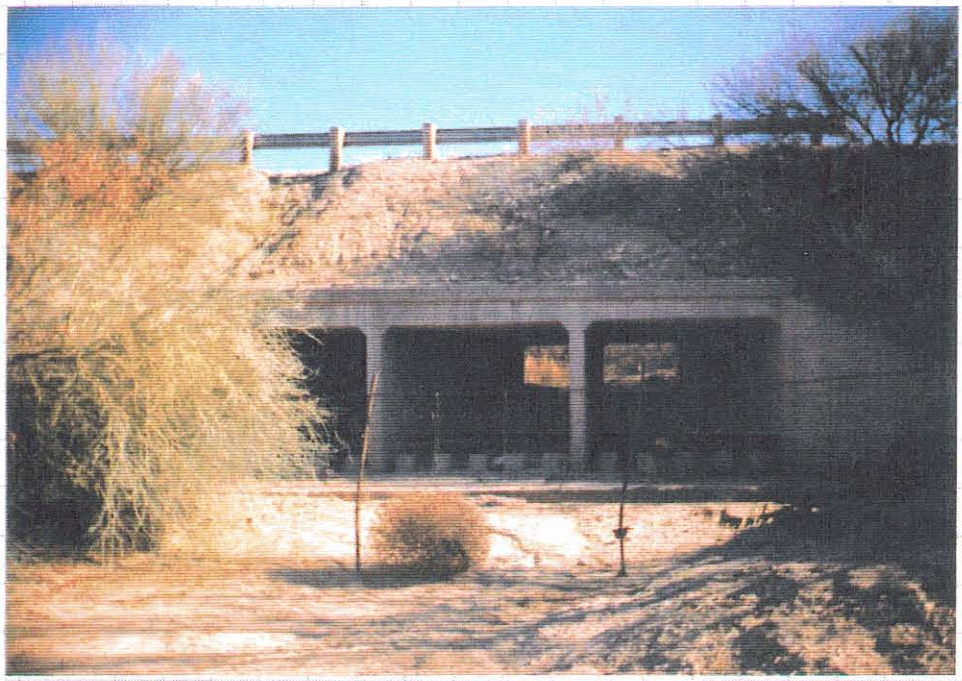
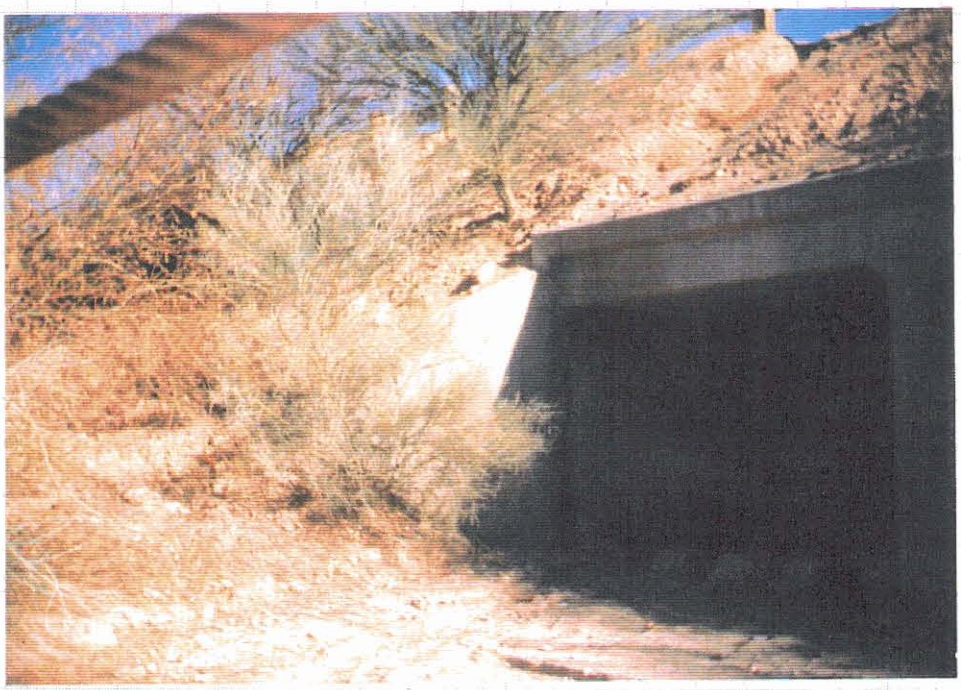
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



EASTBOUND STRUCTURE PHOTO # 26
SOUTH HEADWALL



EASTBOUND STRUCTURE PHOTO # 27
WEST WINGWALL

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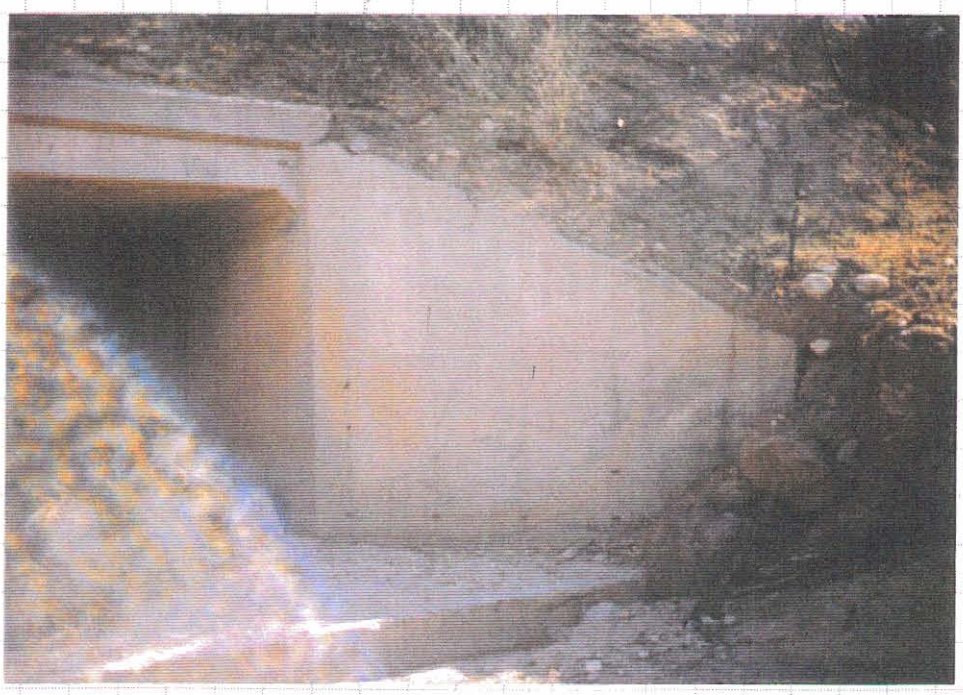
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



EASTBOUND STRUCTURE PHOTO # 28
EAST WINGWALL

EASTBOUND STRUCTURE PHOTO # 29
CHANNEL TO SOUTH

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SURVEYORS
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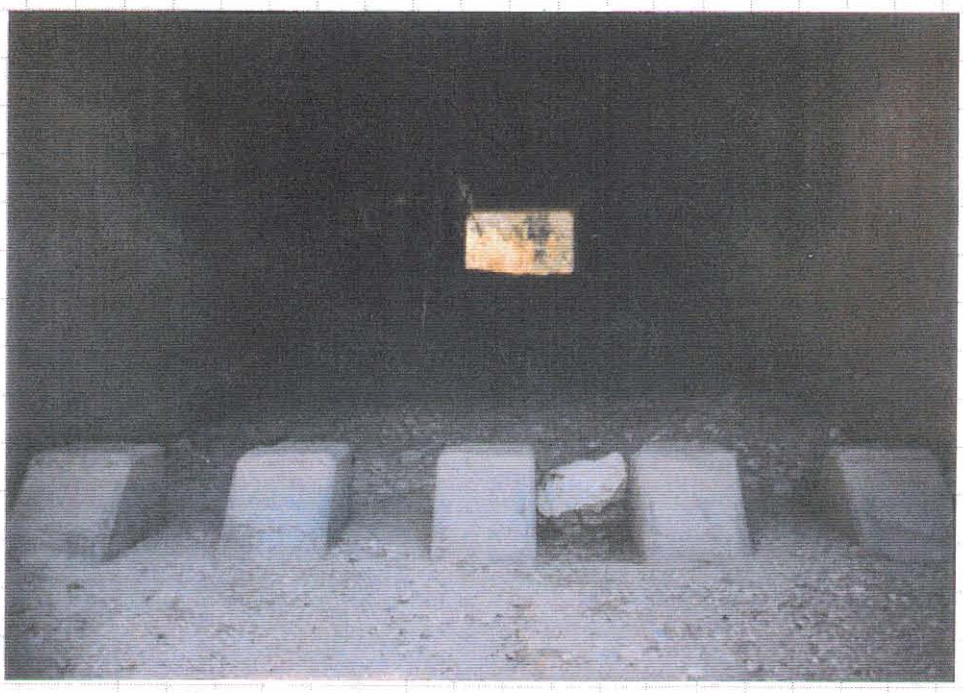
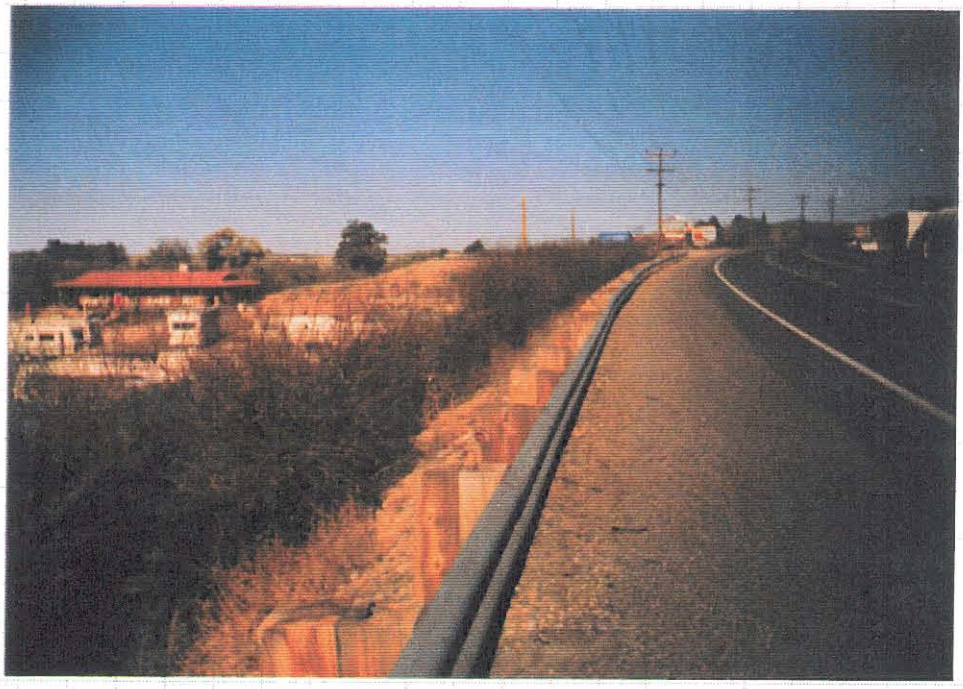
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___



EASTBOUND STRUCTURE PHOTO # 30 23
CENTER BARREL (TYP)



EAST BOUND STRUCTURE PHOTO # 31 24
SOUTH SHOULDER LOOKING WEST

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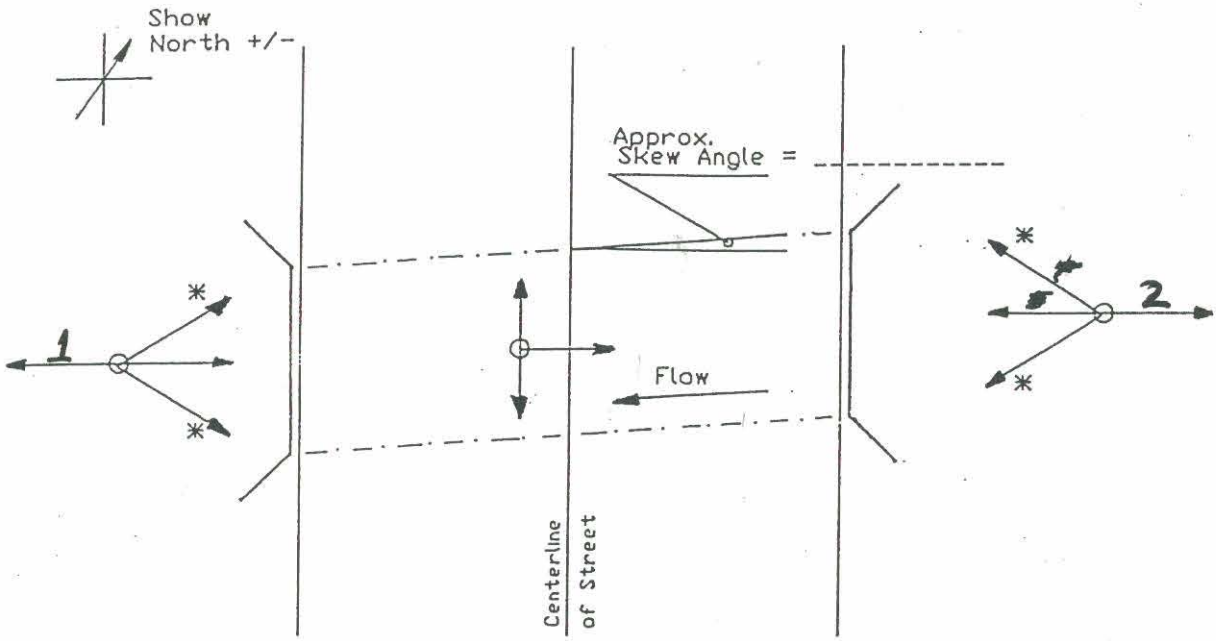
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

EASTBOUND STRUCTURE PHOTO #32
SOUTH SHOULDER LOOKING EAST

Unnamed Wash #13 (P)

WICKENBURG
90-022
CHANNEL "P"

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖⟶): Roll No. 3



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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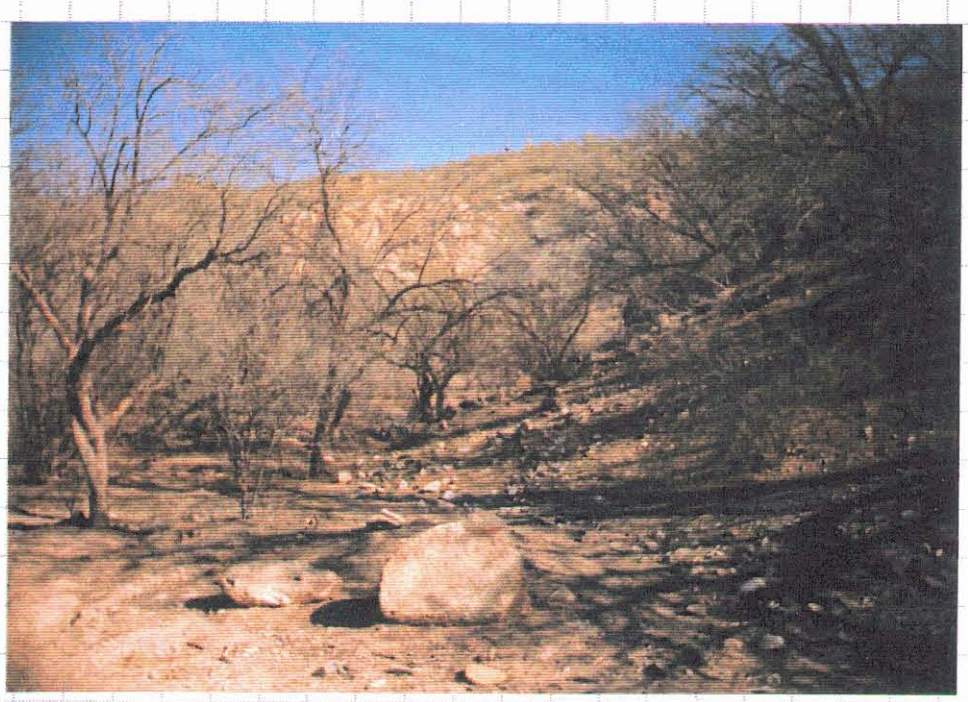
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
DATE ___

ROLL 3

WASH "P"
LOOKING WEST

1



WASH "P"
LOOKING EAST

2

Little San Domingo Wash (S)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 0.05 MILES N. OF THE INTERSECTION S.R. 93 AND CASTLE ROCK RD

Wash Name: NONE

Party Chief: R. DESMOND

Structure No.

Structure	Diam.	Span	Rise
R.C.B. :	1-8' × 3' × 106'		
R.C.P. :			
C.M.P. :			
Other :			

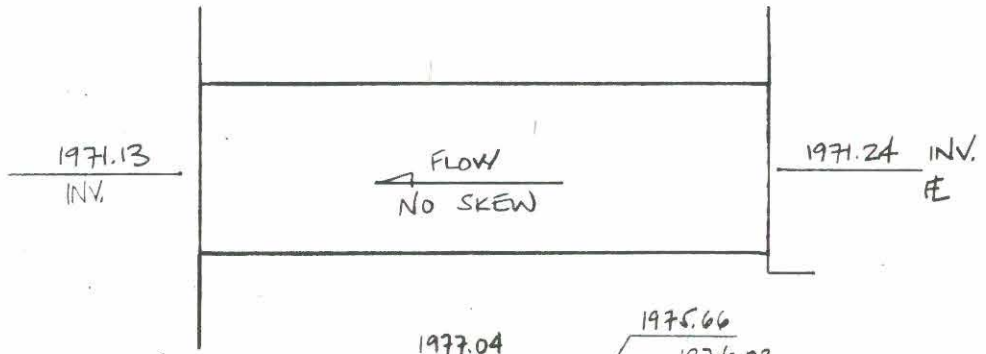
Struct. Cond.: ✓ Good __ Fair __ Poor

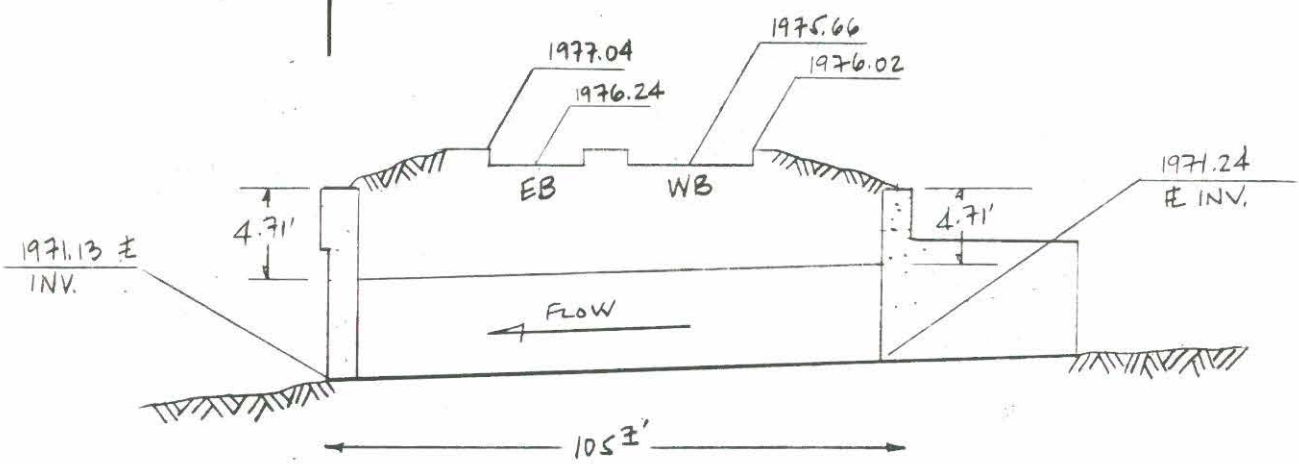
Headwall(s): ✓ Yes __ No: Cond.: GOOD

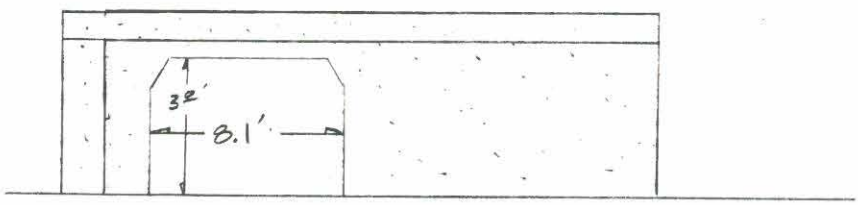
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 4.78'

No. of Spans or Barrels: 1







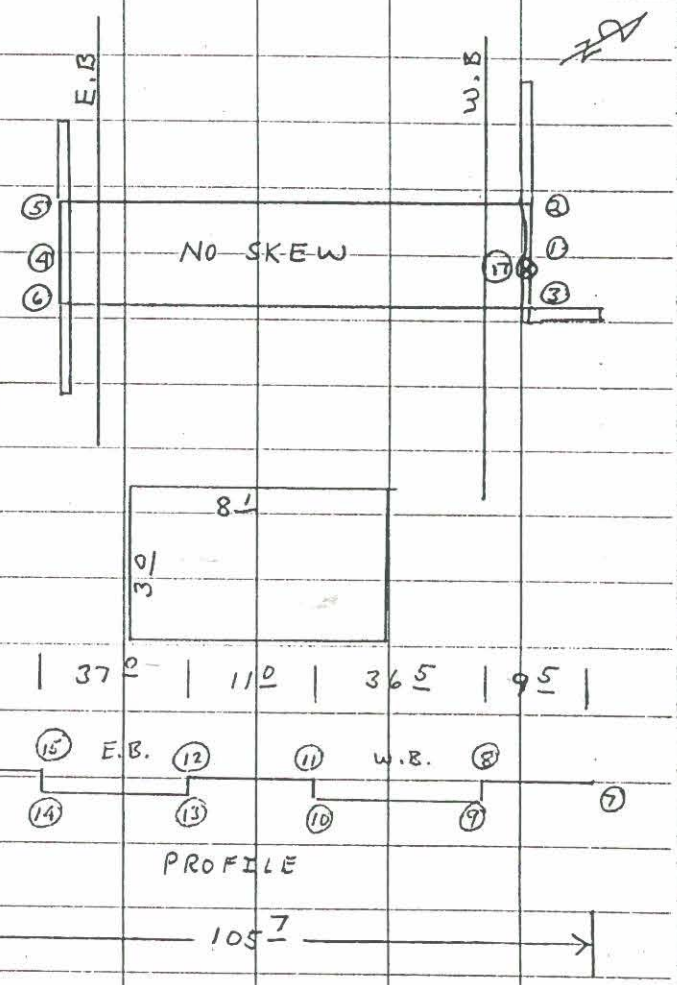
Date: 1/91

Morrison Maierle/CSSA

S-1

SINGLE BARREL R.C.B.

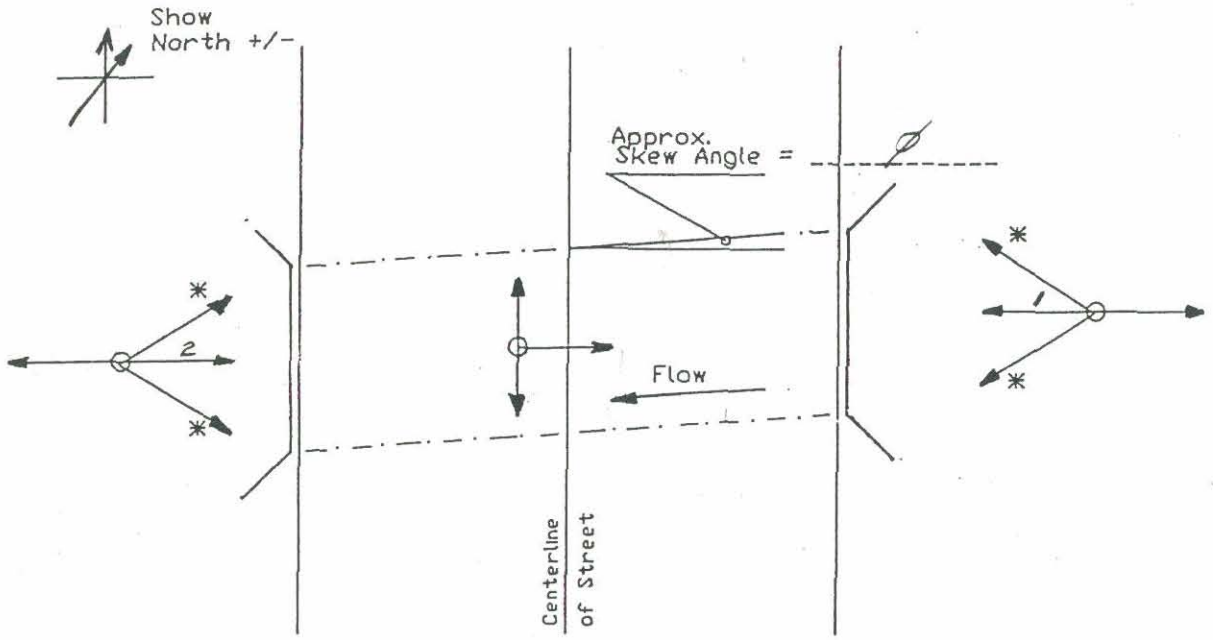
STA	+	HI	−	ELEV	
TBm # 2	4.51	1981.08		1976.57	
1			9.84	1971.24	INV
2			9.84	1971.24	RT
3			9.84	1971.24	LT
4			9.95	71.13	INV
5			9.95	71.13	RT
6			9.95	71.13	LT
7			5.13	75.95	TOP HEADWALL
8			5.06	76.02	T/C
9			5.65	75.43	G
10			5.20	75.88	G
11			4.72	76.36	T/C
12			4.53	76.55	T/C
13			5.06	76.02	G
14			4.61	76.47	G
15			4.04	77.04	T/C
16			5.24	75.84	TOP HEADWALL
17			5.14	75.94	A DOT



B.C. TOP HEADWALL W.B. ELEV. STAMPED 1976.13

WICKENBURG
90.022
S-1

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊙——→): Roll No. 1



* Photograph only if required.

Special Notes:
REFER TO FIELD NOTES

CVL - Nov. 5, 1990

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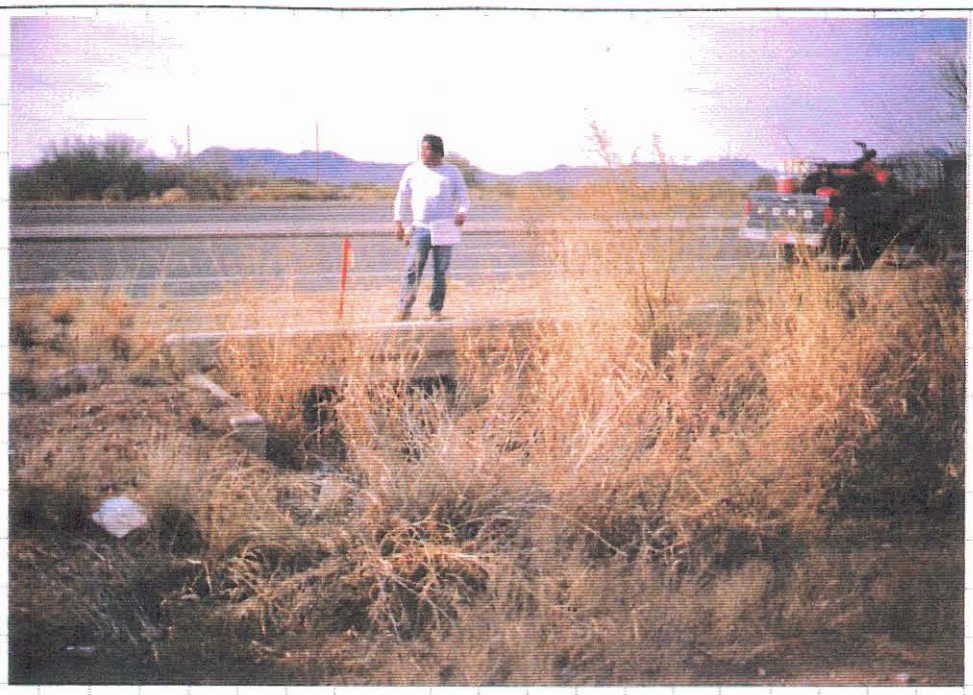
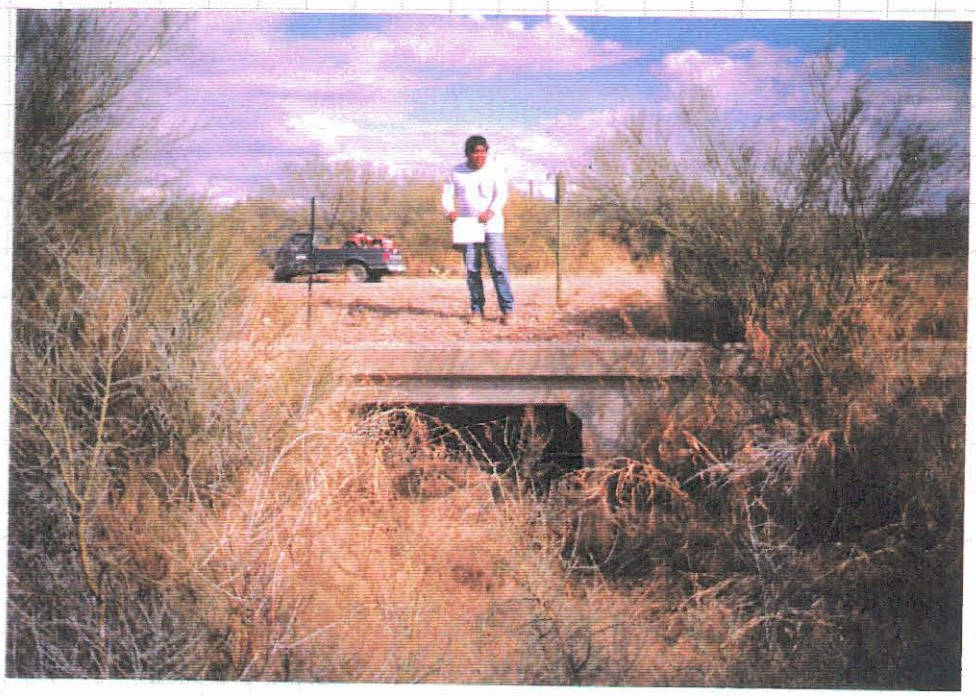
PROJECT Wickenburg - East Side
PROJECT NO. 90-022 SHEET ___ OF ___
STRUCT. - 1 DATE ___
DATE ___



STRUCTURE #1 EAST SIDE OF ROAD. PHOTO #2



STRUCTURE #1 WEST SIDE OF ROAD. PHOTO #1

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: REFER TO LOCATION SKETCH ON PAGE #2

Wash Name: "S" LITTLE SAN DOMINGO

Party Chief: R. DESMOND

Structure No. S-1

Structure	Diam.	Span	Rise
R.C.B.	4- 10 × 8 × 108'		
R.C.P.			
C.M.P.			
Other			

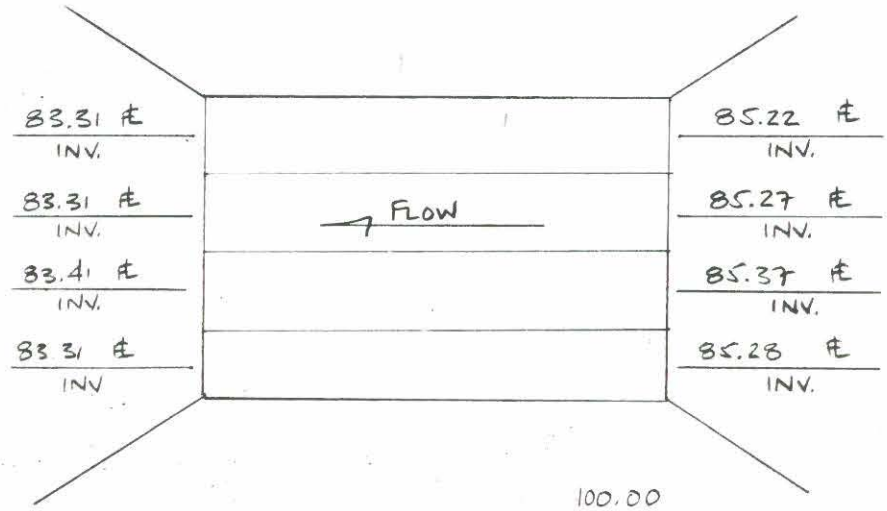
Struct. Cond.: ✓ Good __ Fair __ Poor

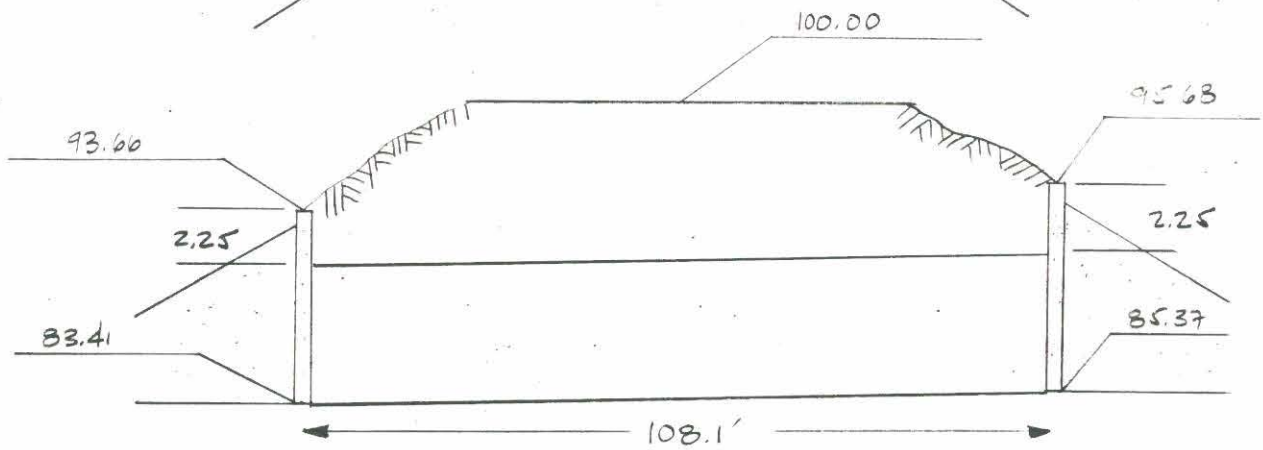
Headwall(s): ✓ Yes __ No: Cond.: GOOD

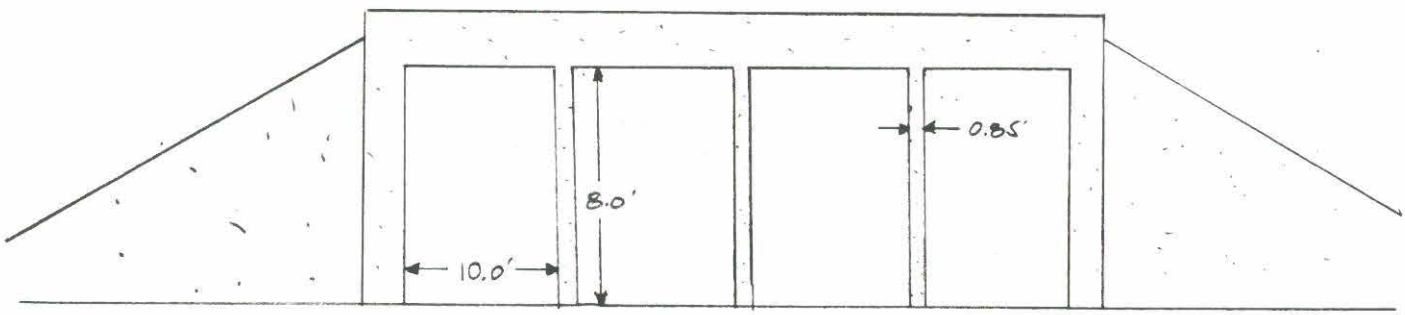
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ±14.63'

No. of Spans or Barrels: 4





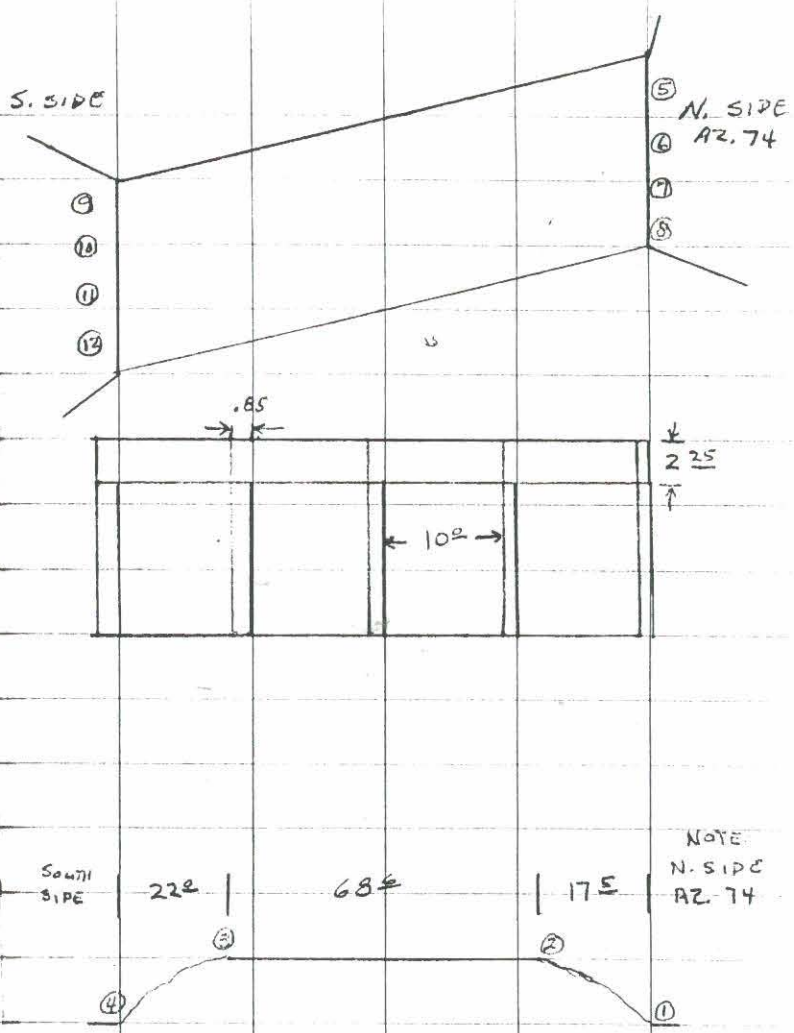


Date: 1/91

Morrison Maierle/CSSA

ROLL #3 CHANNEL "S" @ HWY 74
LITTLE SAN DOMINGO

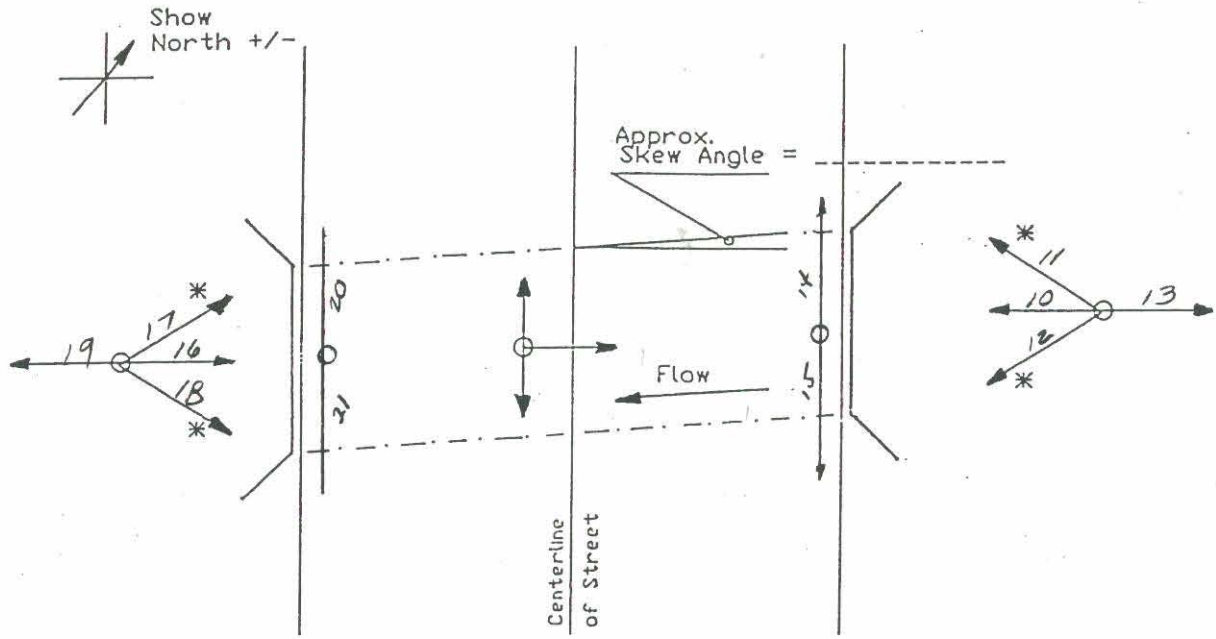
STA	+	HI	—	ELEV.	
TBM	3.61			100.00	ASSUMED
1			7.93	95.68	℄ STRIP
2			3.80	99.81	TOP HEADWALL
3			4.07	99.54	EP
4			9.95	93.66	EP
5			18.37	85.22	TOP HEADWALL
6			18.34	85.27	IE
7			18.24	85.37	IE
8			18.33	85.28	IE
9			20.3	83.31	IE
10			20.3	83.31	IE
11			20.2	83.41	IE
12			20.3	83.31	IE



SEE Pg. 29 FOR PHOTO ARRANGEMENT

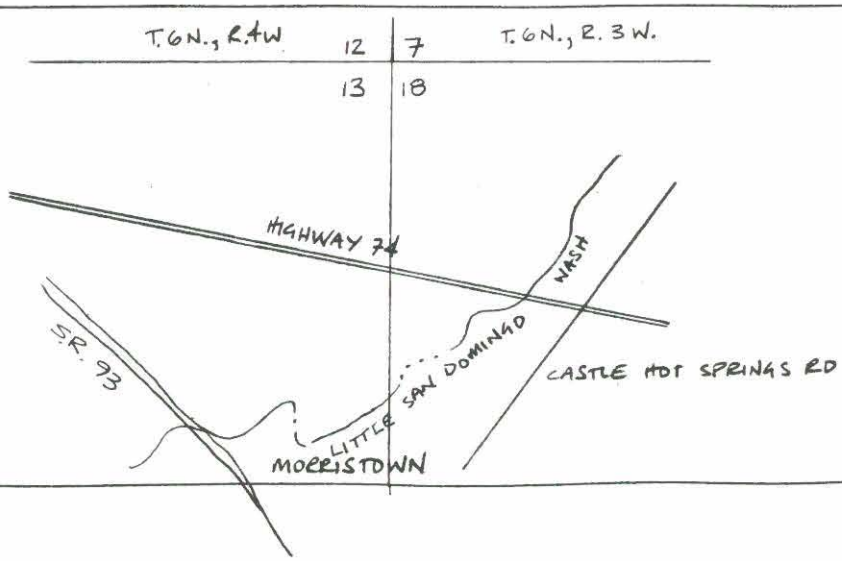
WICKENBURG
90.022
CHANNEL S

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊙——→): Roll No. 3



* Photograph only if required.

Special Notes:
REFER TO FIELD NOTES



CVL - Nov. 5, 1990

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PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
"S" AUG#74
DATE ___

CHANNEL "S" PHOTO #10

CHANNEL "S" PHOTO #11

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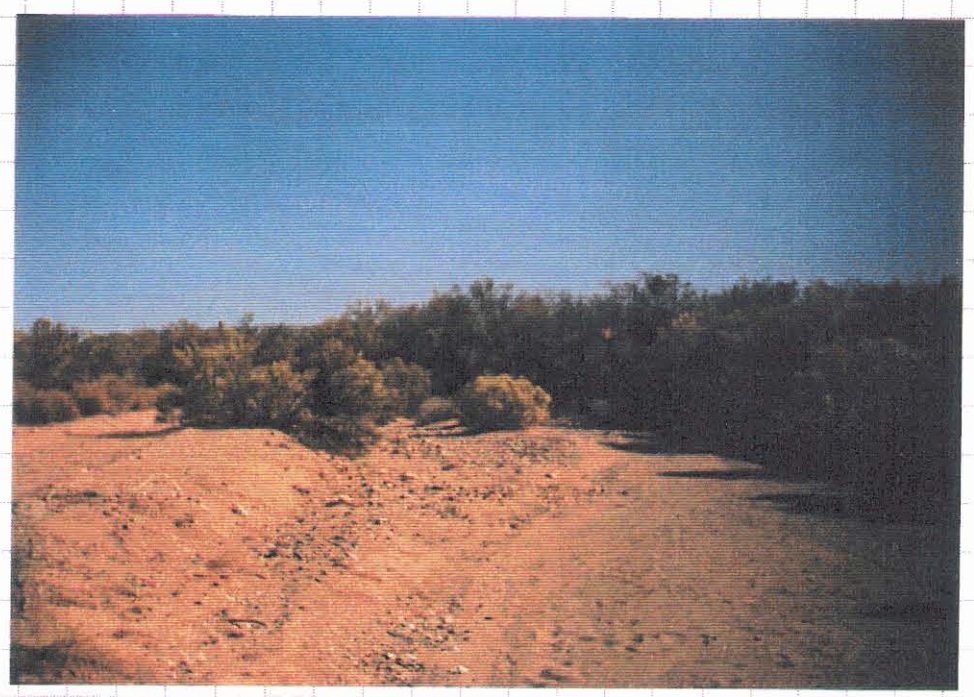
PROJECT WICKENBURG
PROJECT NO. 90.022 SHEET ___ OF ___
DATE ___
"S" HWY 74 DATE ___

CHANNEL "S" PHOTO #12



CHANNEL "S" PHOTO #13

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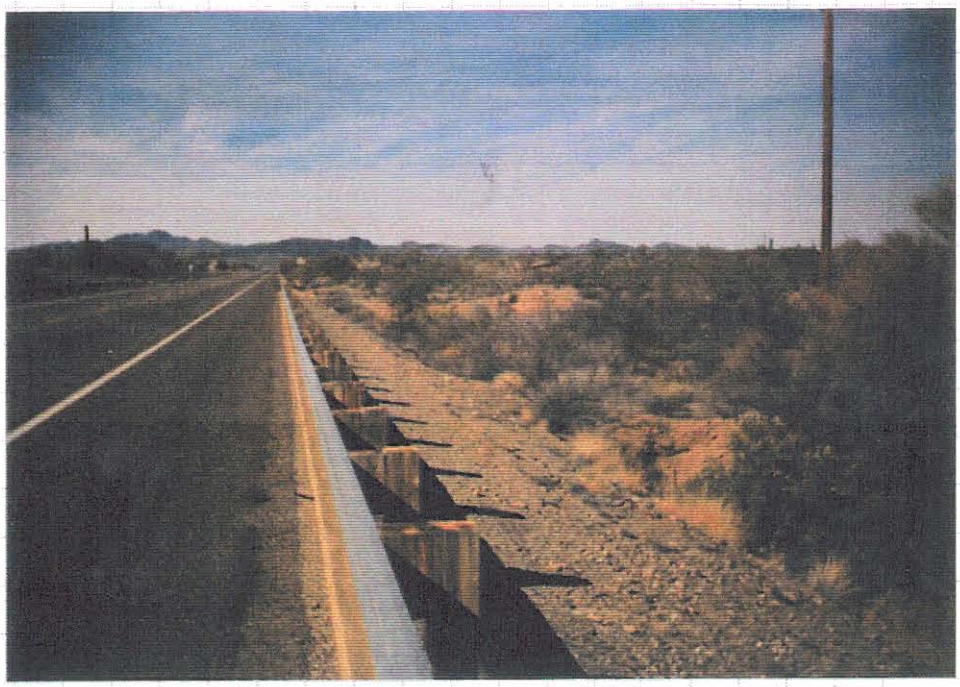
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
'S' 1-D/79 DATE ___



CHANNEL "S" PHOTO #14

CHANNEL "S" PHOTO #15

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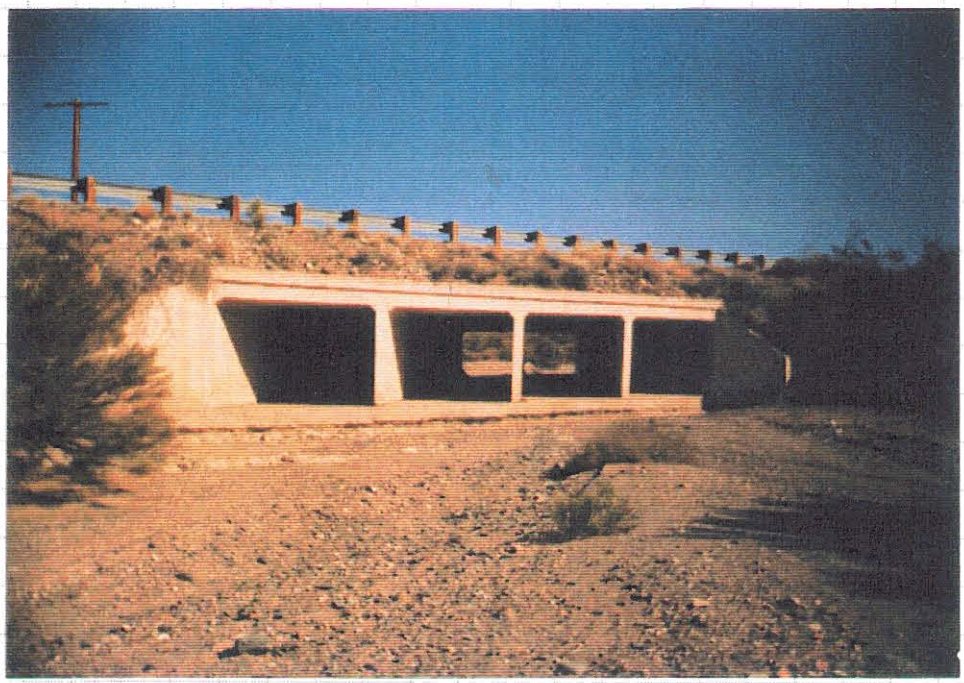
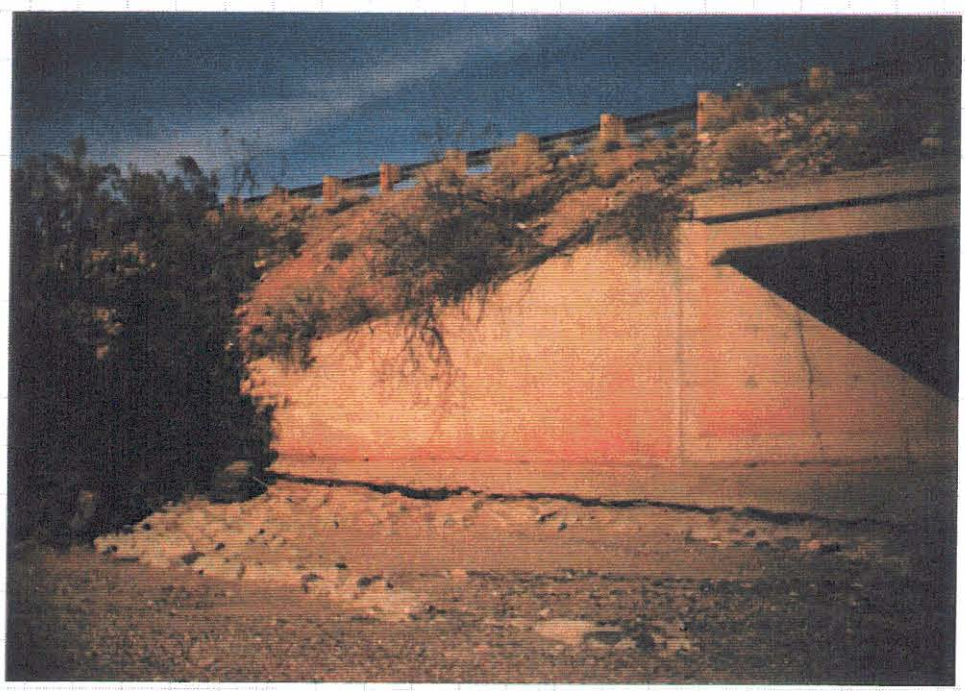
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
"S" HWY 74 DATE



CHANNEL "S" PHOTO #16
N HEADWALL



CHANNEL "S" PHOTO #17

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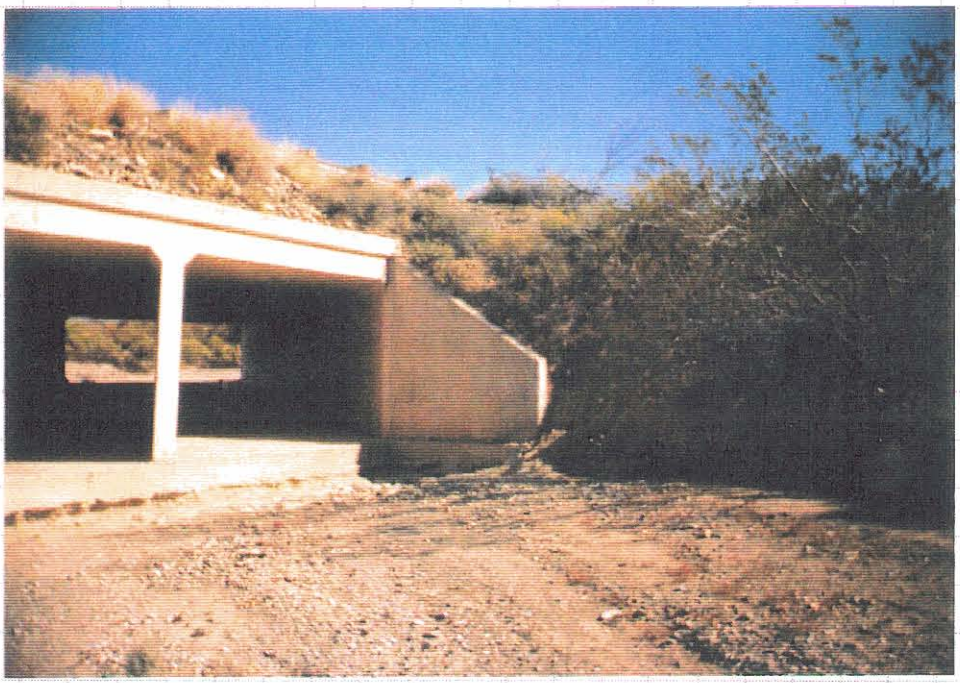
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE
"S" HWY 74 DATE



CHANNEL "S" PHOTO #18

CHANNEL "S" PHOTO #19

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PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
DATE ___
"S" HWY 74 DATE ___

CHANNEL "S" PHOTO #20

CHANNEL "S" PHOTO #21

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 0.5 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "S" LITTLE SAN DOMINGO

Party Chief: R. DESMOND

Structure No. S-2

Structure	Diam.	Span	Rise
R.C.B. :	4 - 10' x 8' x 217' SK 30° RT		
R.C.P. :			
C.M.P. :			
Other :			

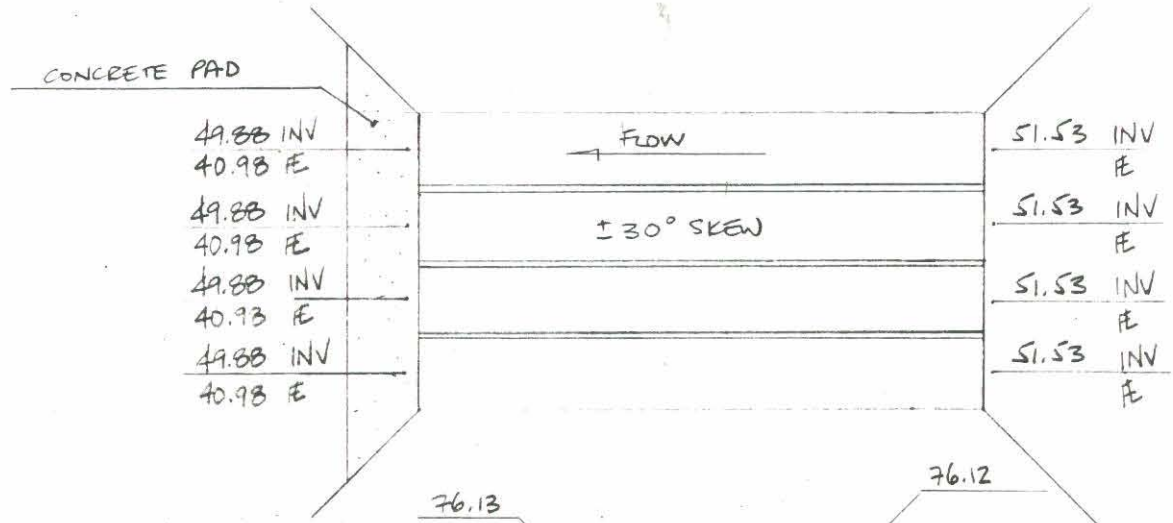
Struct. Cond.: ✓ Good __ Fair __ Poor

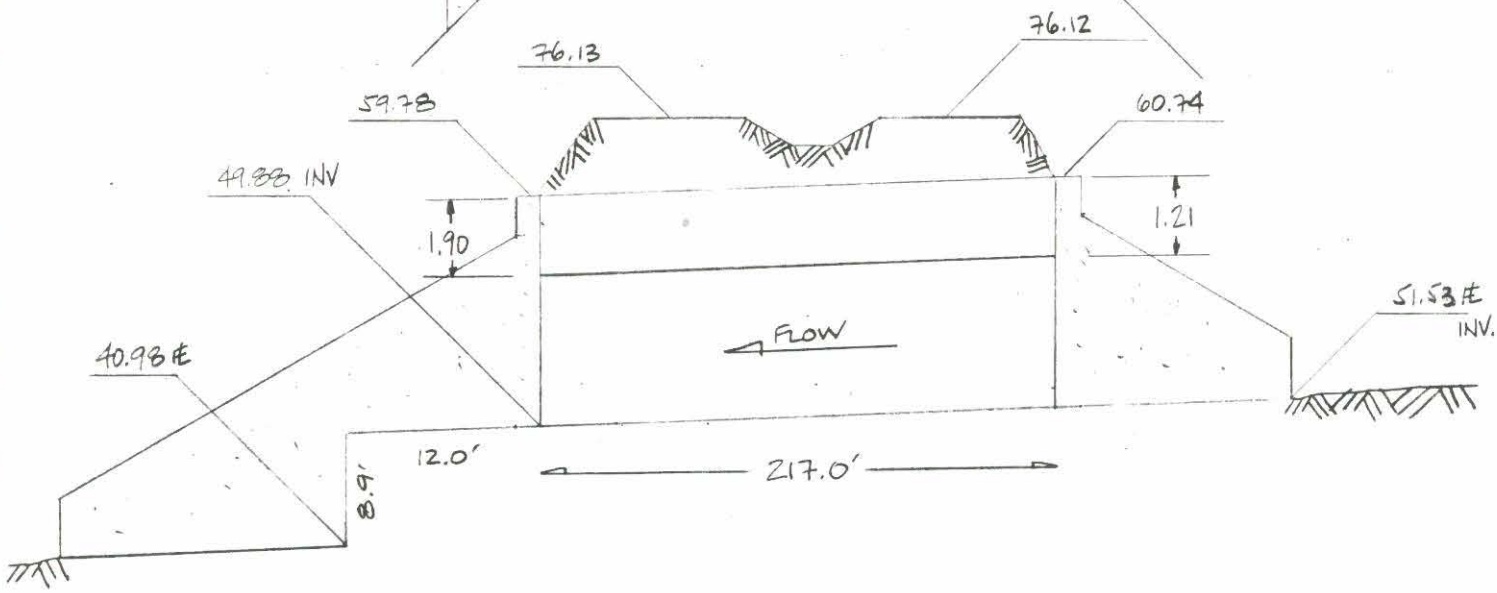
Headwall(s): ✓ Yes __ No: Cond.: GOOD

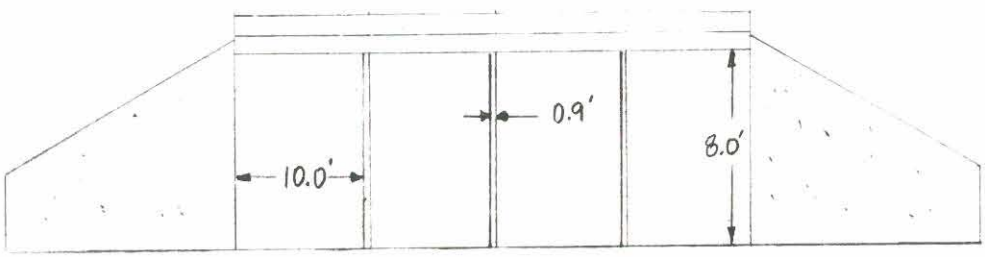
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ±24.59

No. of Spans or Barrels: 4







Date: 1/91

Morrison Maierle/CSSA

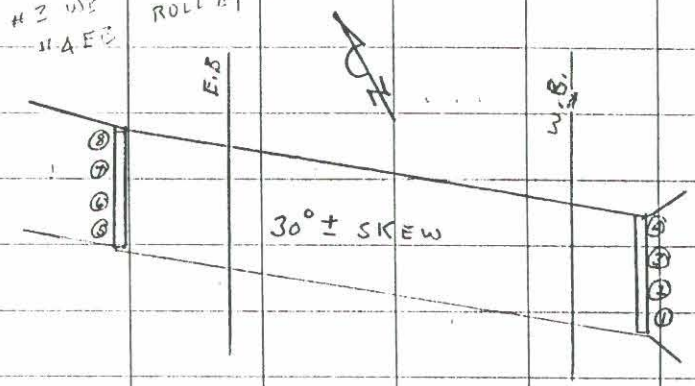
S--

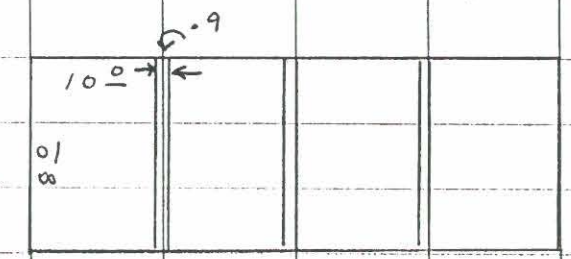
4 BARREL R.C.B.

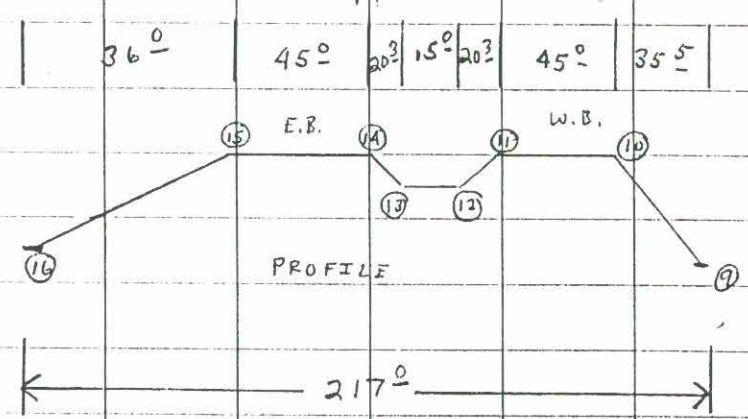
STA	+	HI	-	ELEV	
TP# 2	3.07	79.93		1976.86	SEE PG 4 VERT BK #1
9			19.19	60 74	TOP HEADWALL
10			2.91	77 02	E.P.
11			3.81	76 12	E.P.
12			11.04	68 89	TOE
13			10.90	69 03	TOE
14			3.50	76 43	E.P.
15			4.11	75 83	E.P.
16			20.15	59.78 ~~64.665~~	TOP HEADWALL
T.P.			15.265	64.665	
	5.145	69.81			
1			18.28	51.53	
2			18.28	51 53	
3			18.28	51 53	
4			18.28	51 53	
TP			4.72	65.09	
	16.56	81.65			
			4.79	1976.86	

LITTLE SANDOMINGO WASH

EX #2 WB #4 EB ROLL #1

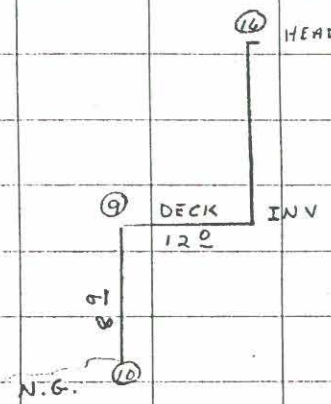






S-2 Cont.

STA	+	HI	-	ELEV	
TP # 2	0.65	77.49		1976.86	
5			27.61	49.88	INV
6			27.61	49.88	"
7			27.61	49.88	"
8			27.61	49.88	"
9			27.61	49.88	EDGE DECK
10					NG
16			17.61	59.88	TOP HDWL E.B.



WICKENBURG
90-022
S-2 LITTLE SAN DOMINGO

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
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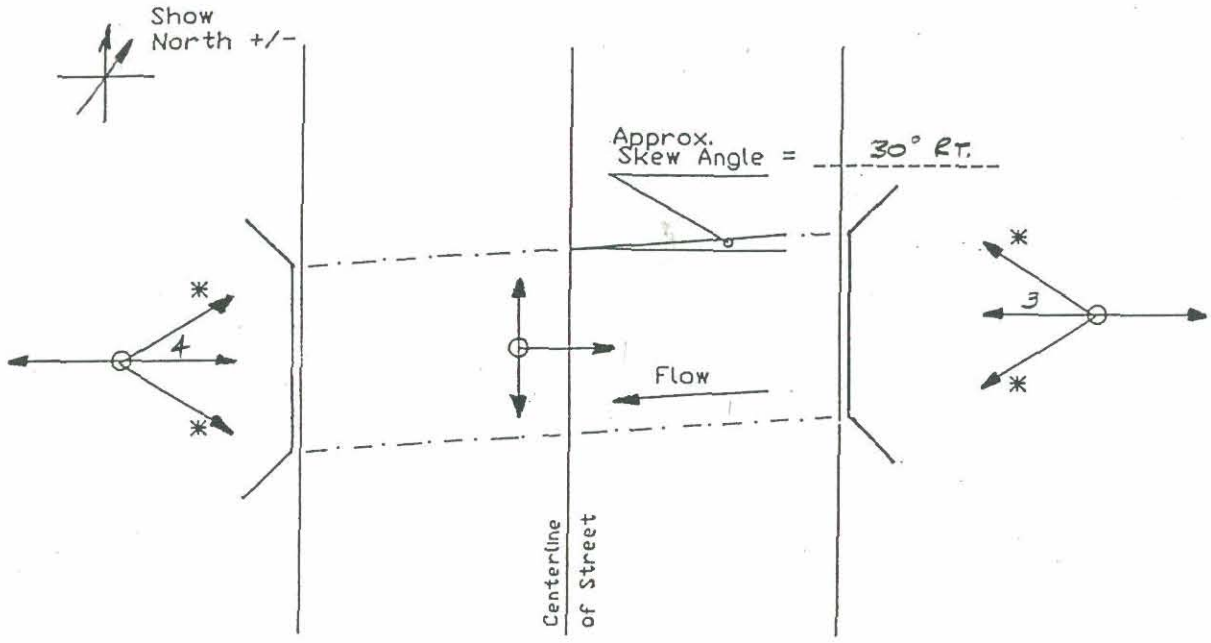

* Photograph only if required.

Special Notes:
REFER TO FIELD NOTES

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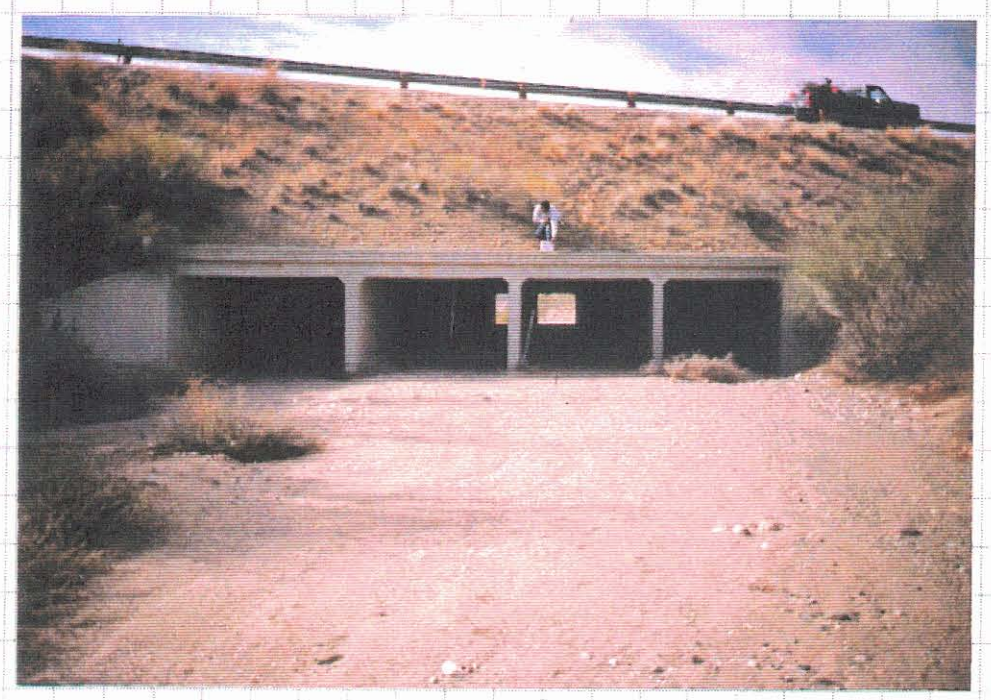
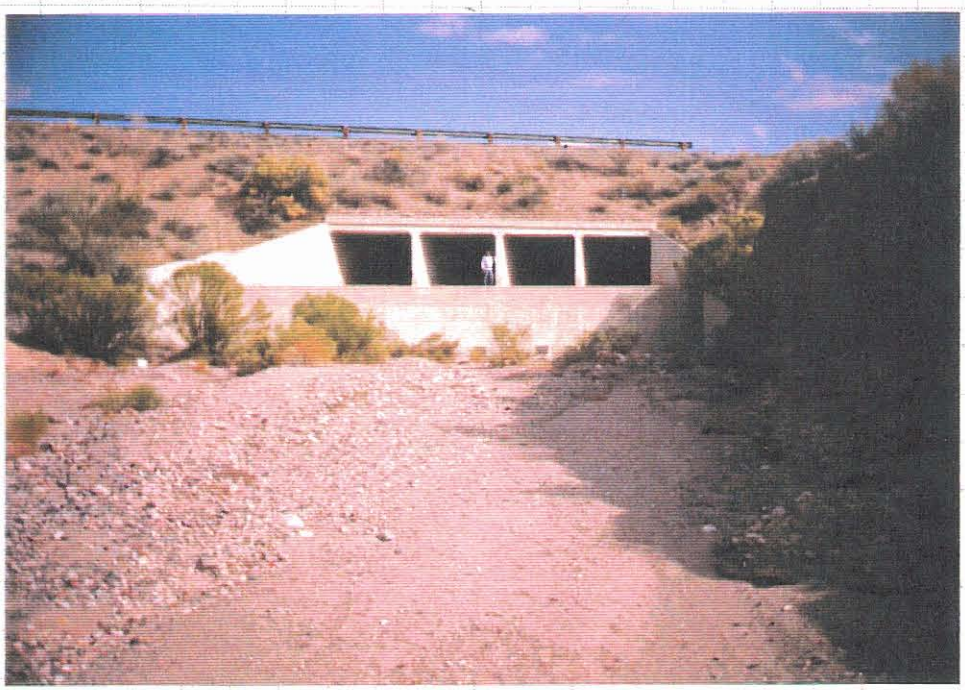
PROJECT WICKENBURG - EAST SIDE
PROJECT NO. 90-082 SHEET ___ OF ___
STRUCTURE #2 DATE
DATE



STRUCTURE #2 - EAST SIDE OF ROAD PHOTO # 3



STRUCTURE #2 - WEST SIDE OF ROAD PHOTO # 4

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: A.T. & S.F TRESTLE, WESTERLY OF SR 93.

Wash Name: "S" LITTLE SAN DOMINGO

Party Chief: R. DESMOND

Structure No. S-3

Structure		Diam.	Span	Rise
R.C.B.	:			
R.C.P.	:			
C.M.P.	:			
Other	:	RAIL ROAD TRESTLE		

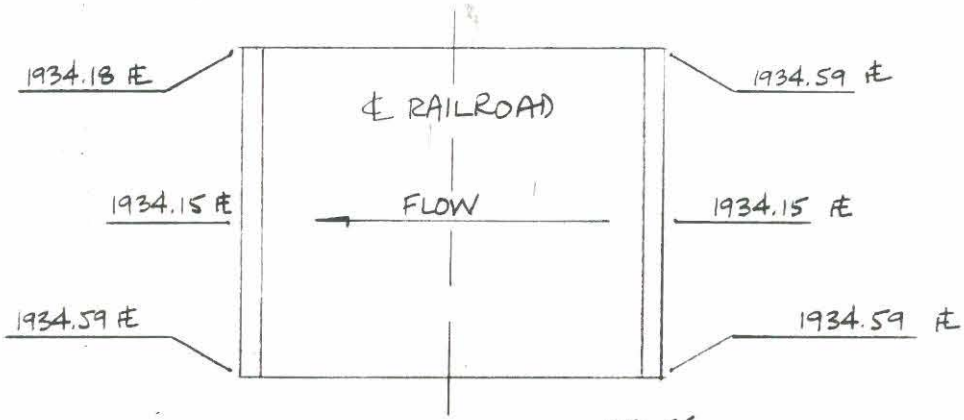
Struct. Cond.: ✓ Good __ Fair __ Poor

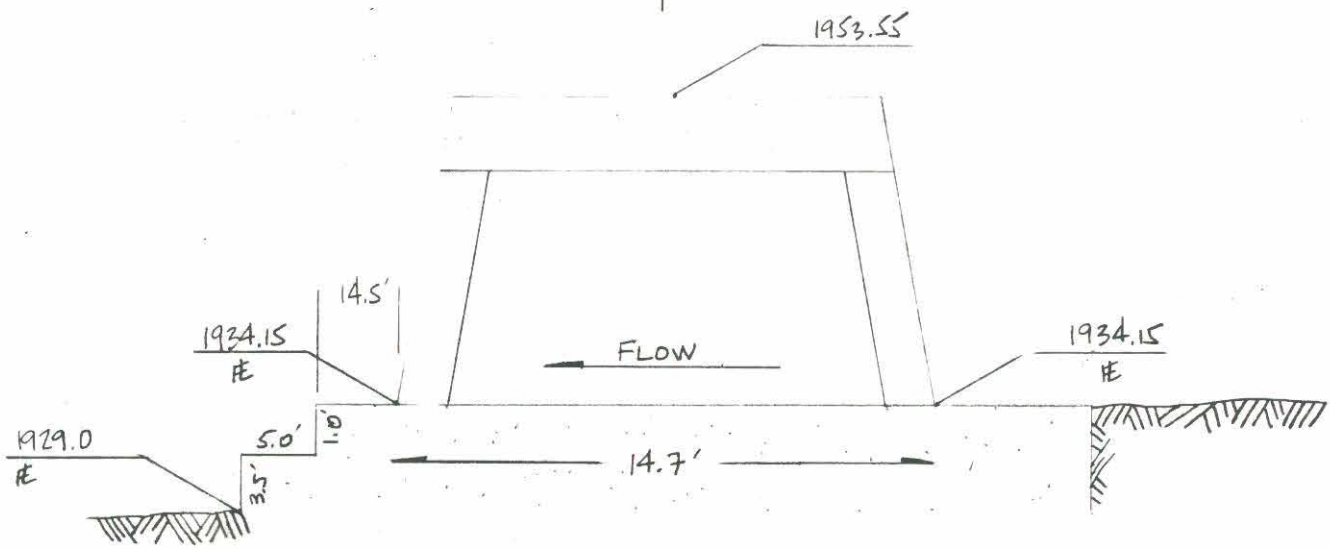
Headwall(s): __ Yes ✓ No: Cond.: _____

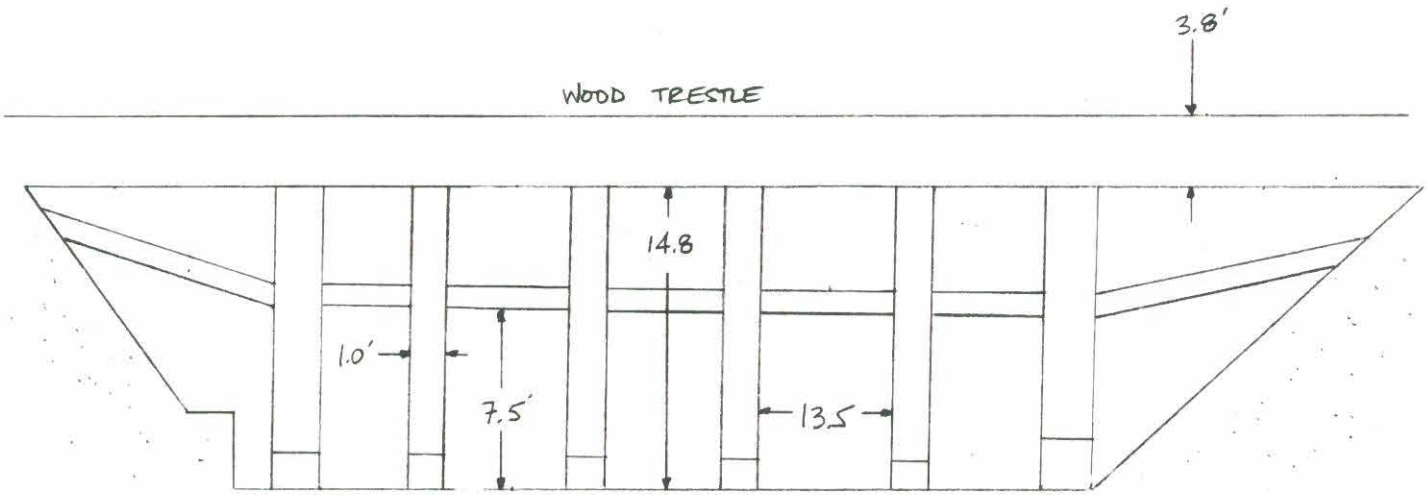
Wingwalls: __ Yes ✓ No: Cond.: _____

Depth of Available Headwater: ±19.40

No. of Spans or Barrels: 7







Date: 1/91

Morrison Maierle/CSSA

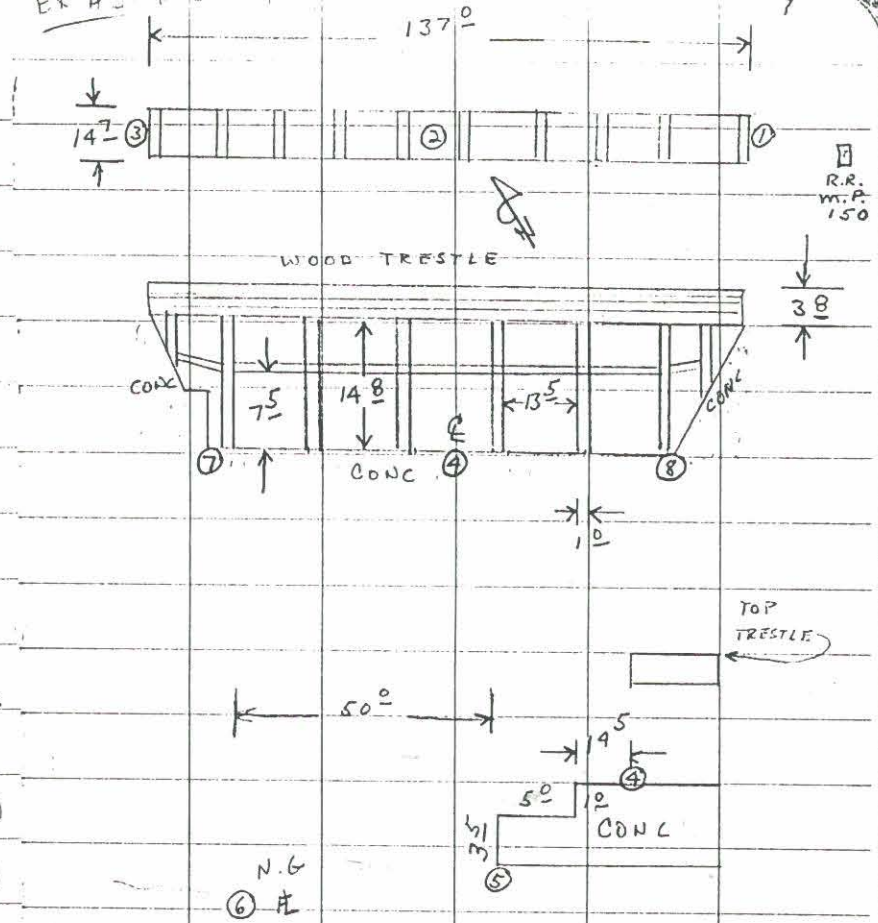
S-3 RAIL [illegible] TRESTLE

LITTLE SAN DOMINGO WASH

STA	+	HI	-	ELEV	
BM H-24	0.58	56.48		1955.90	
TP #1			5.08	51.40	
	3.05	54.45			
①			0.44	54.01	TOP R.R. BED
②			0.90	53.55	"
③			1.21	53.24	"
④			20.30	34.15	℄ ⊥
⑤			25.5	29.0	N.G. BOTTOM CONC DECK
⑥			26.1	28.4	NG
⑦			20.27	34.18	COR PAD (DIRT)
⑧			19.86	34.59	COR PAD (DIRT)
TP #2			3.04	51.41	
	5.08	56.49			
				(m)	(R)
TBM			0.58	55.91	55.90

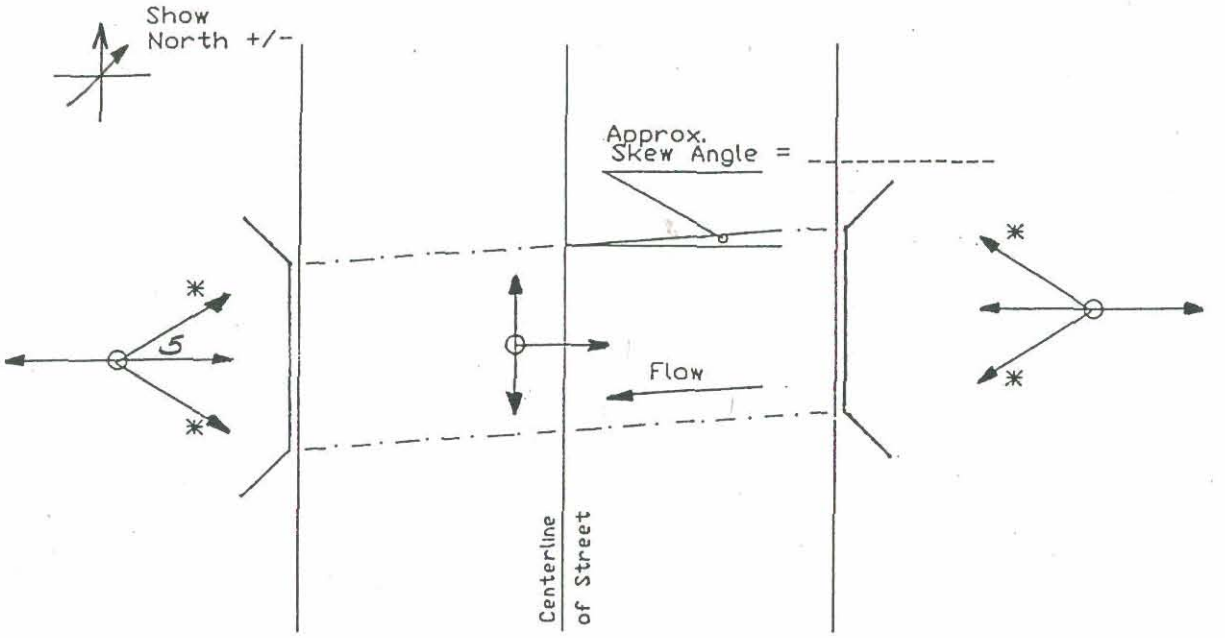
+.01 CLOSURE

EX #5 [illegible]



WIDENEURS
90-022
S-3 LITTLE SAN DOMINGO

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖⟶): Roll No. 1



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

CVL - Nov. 5, 1990

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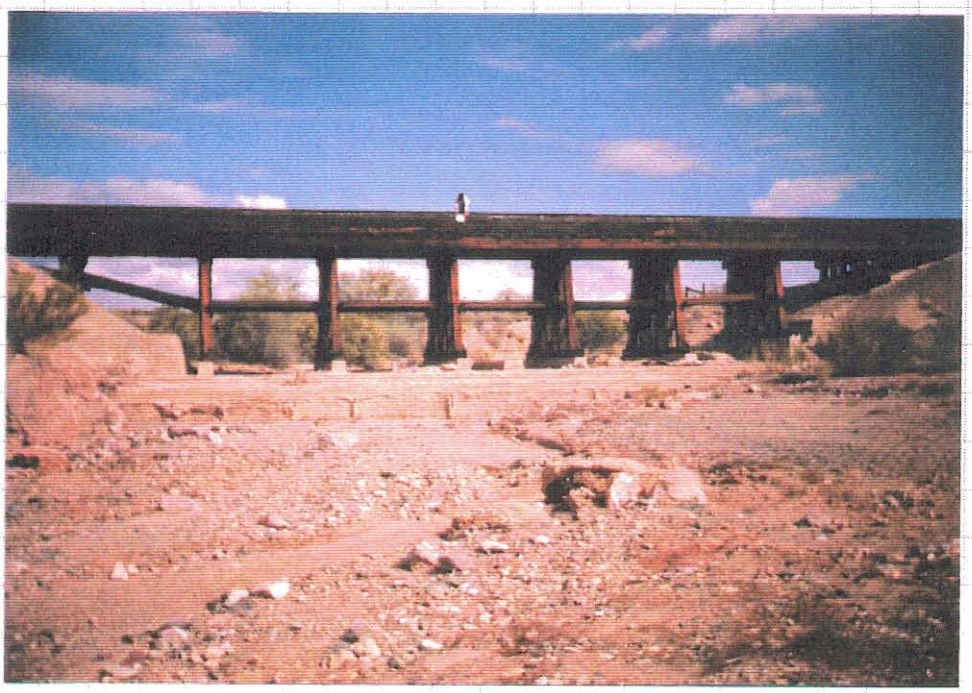
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
STRUCTURE #3 DATE
DATE



STRUCTURE #3 WEST SIDE PHOTO #5

San Domingo Wash (T)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 3.4 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD

Wash Name: "I" SAN DOMINGO

Party Chief: R. DESMOND

Structure No. T-1

Structure	Diam.	Span	Rise
R.C.B.			
R.C.P.			
C.M.P.			
Other	BRIDGE		

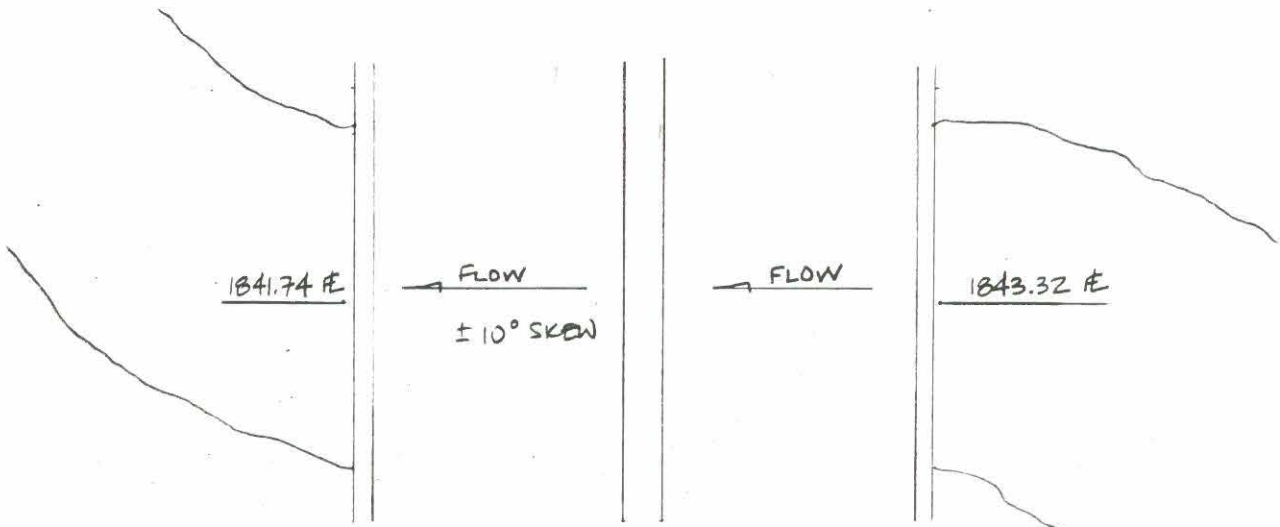
Struct. Cond.: ✓ Good __ Fair __ Poor

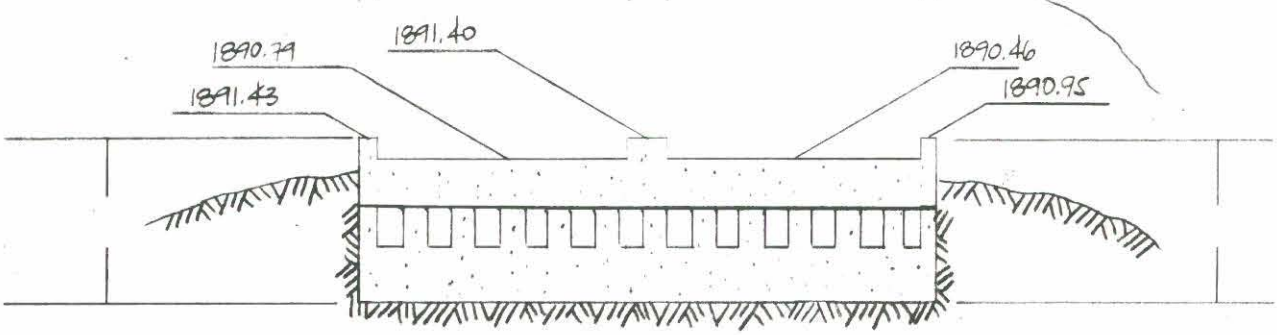
Headwall(s): ✓ Yes __ No: Cond.: GOOD

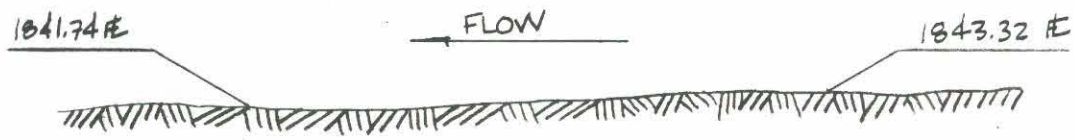
Wingwalls: __ Yes ✓ No: Cond.: ____

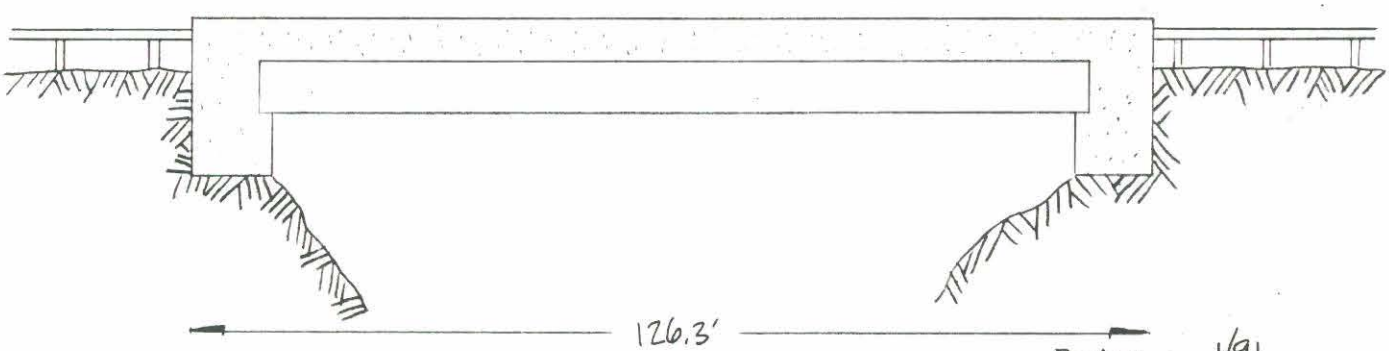
Depth of Available Headwater: ±47.63

No. of Spans or Barrels: -









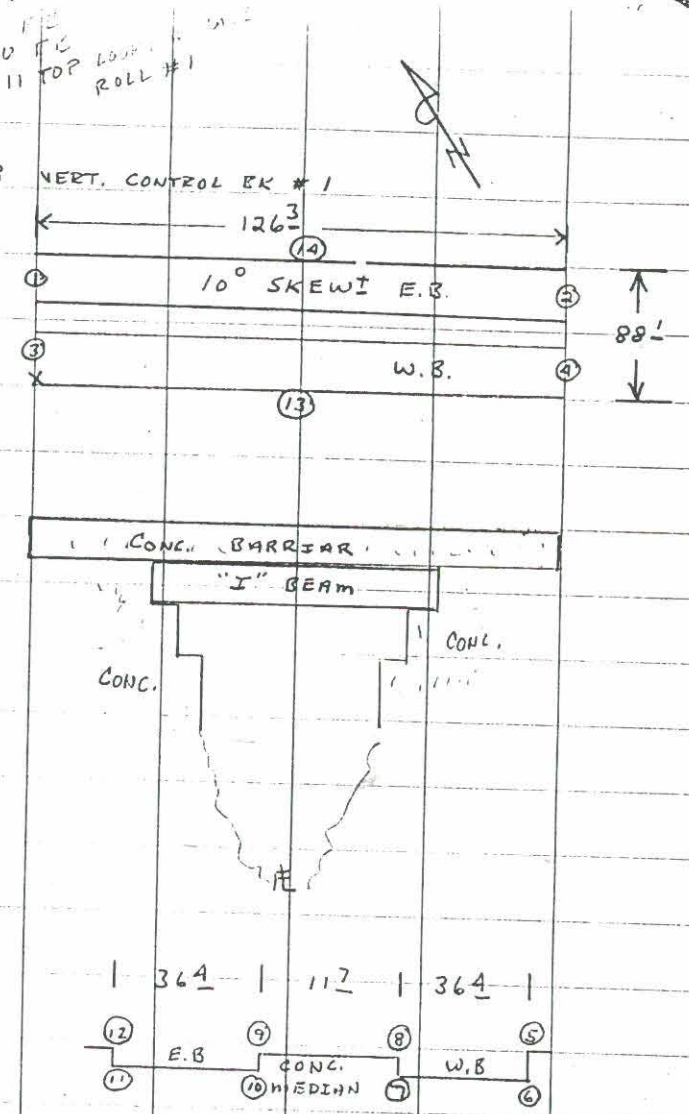
Date: 1/91

Morrison Maierle/CSSA

1/21/71 S-5
R.D.
L.G.

SAN DOMINGO WASH BRIDGE

STA	+	HI	−	ELEV	
TBM #8	3.86	1894.99		1891.13	
1			3.82	1891.17	℄ E B
2			4.62	1890.37	"
3			4.21	1890.78	℄ W.B.
4			4.73	1890.26	"
5			4.04	1890.95	T/C
6			4.77	1890.22	G
7			4.30	1890.69	G
8			3.62	1891.37	T/C
9			3.55	1891.44	T/C
10			4.16	1890.83	G
11			4.25	1890.74	G
12			3.56	1891.43	T/C
13	⅊ WASH	W.B (− 46.9 FROM RD		1843.32	
14	⅊ WASH	E.B (− 49.0 FROM RD		1841.74	



WICKENBURG
90-022
S-5 SAN DOMINGO WASH

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
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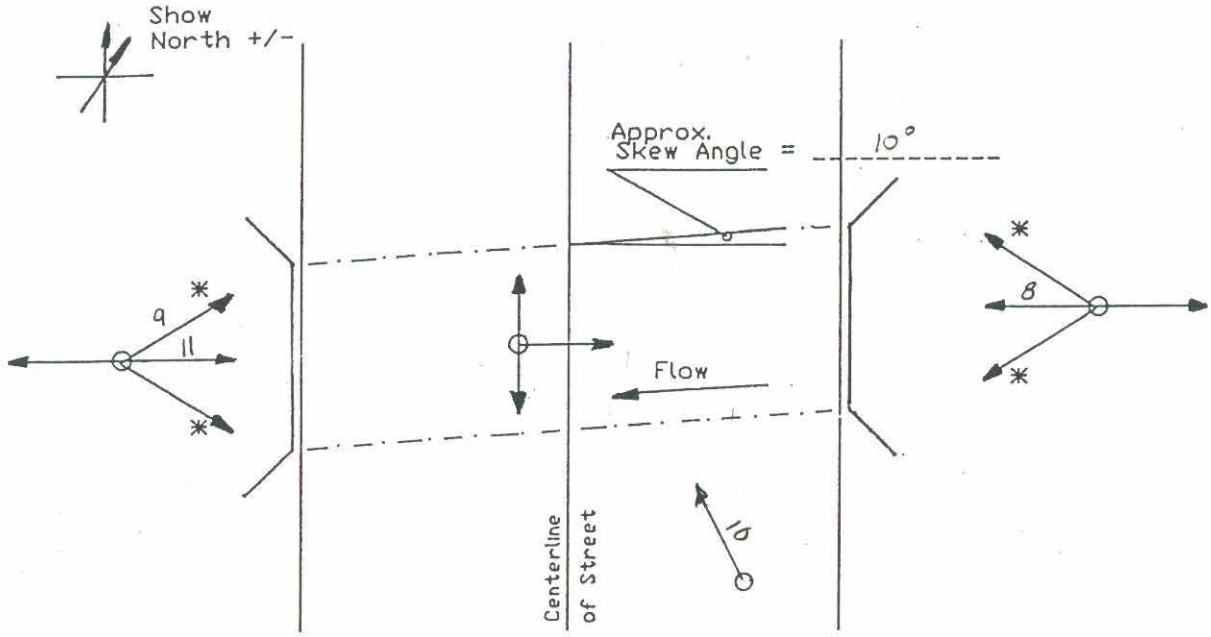

* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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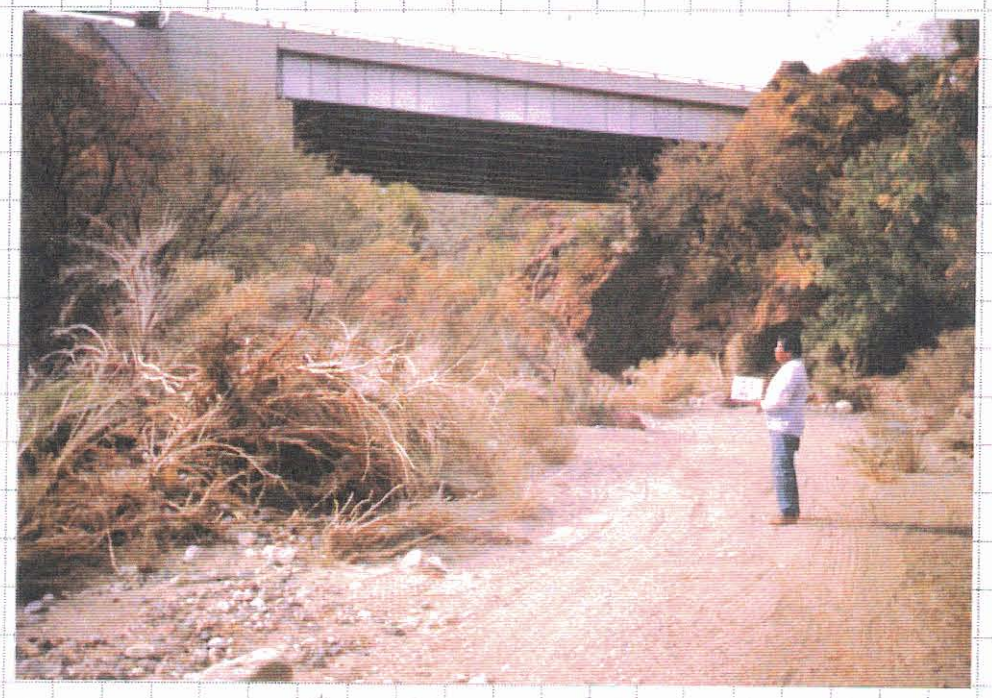
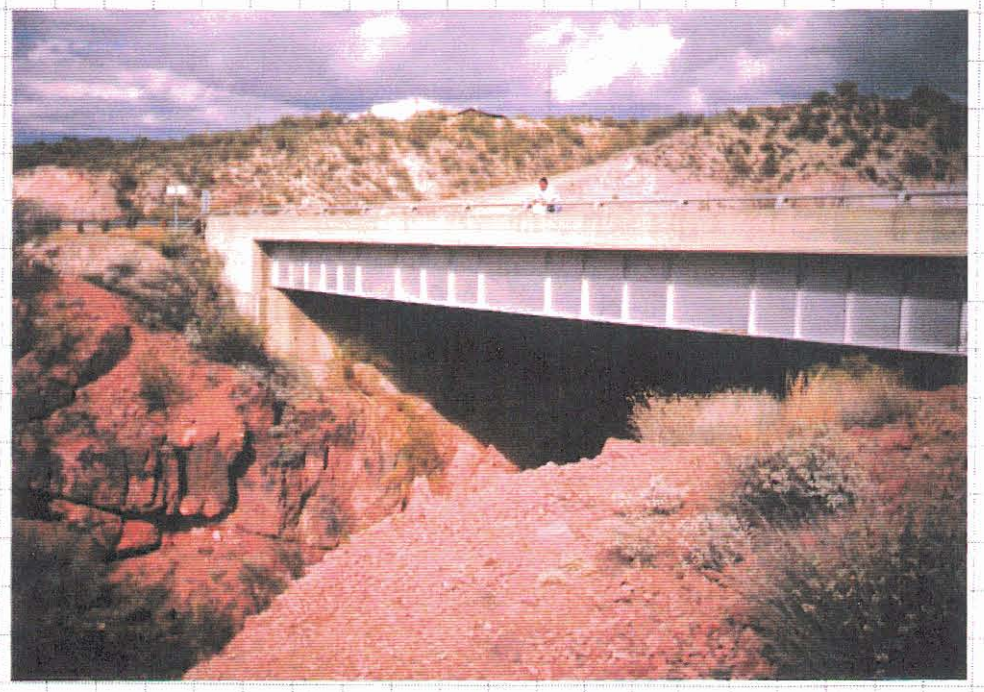
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET ___ OF ___
STRUCTURE #5 DATE ___
DATE ___



STRUCTURE #5 - EAST SIDE OF ROAD PHOTO #8



STRUCTURE #5 - WEST SIDE OF ROAD PHOTO #9

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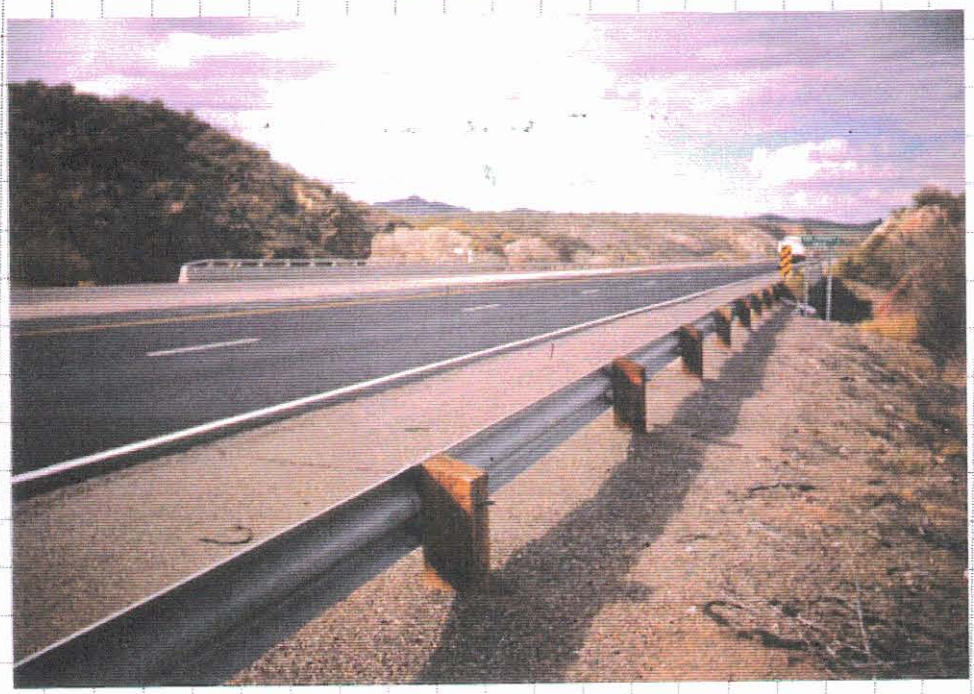
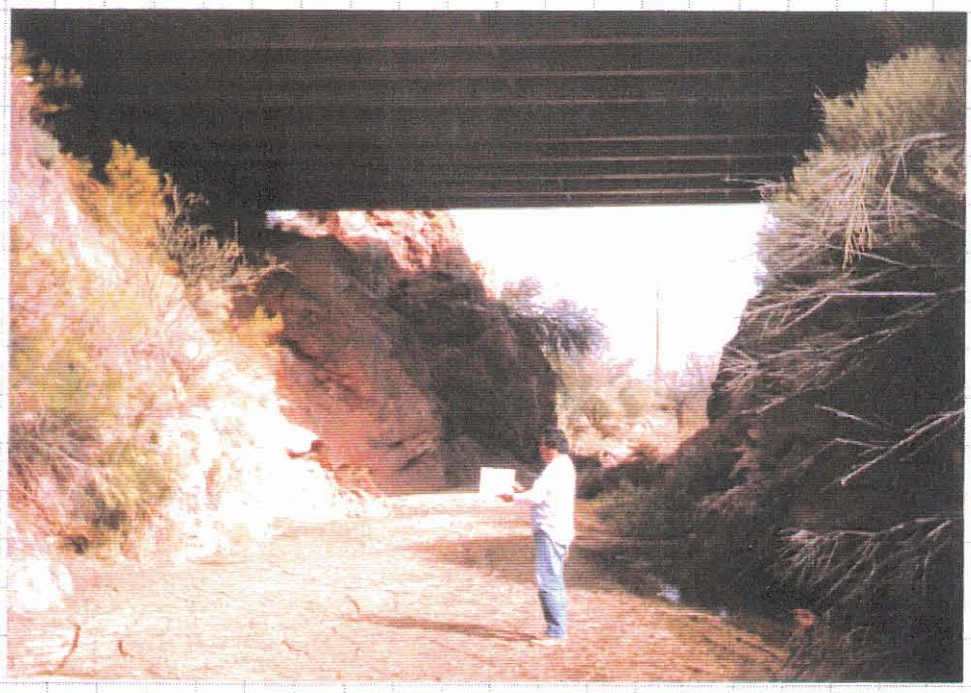
PROJECT WICKENBURG
PROJECT NO. 90-022 SHEET 2 OF 2
STRUCTURE #5 DATE –
DATE



STRUCTURE #5 - LOOKING WEST PHOTO #10



STRUCTURE #5- WEST SIDE OF ROAD PHOTO #11

Ox Wash (V)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 2.6 MILES N. OF THE INTERSECTION S.R. 93 AND CASTLE ROCK RD.

Wash Name: "V"

Party Chief: R. DESMOND

Structure No. V-1

Structure	Diam.	Span	Rise
R.C.B.	: 3- 10' × 10' × 283'		
R.C.P.	:		
C.M.P.	:		
Other	:		

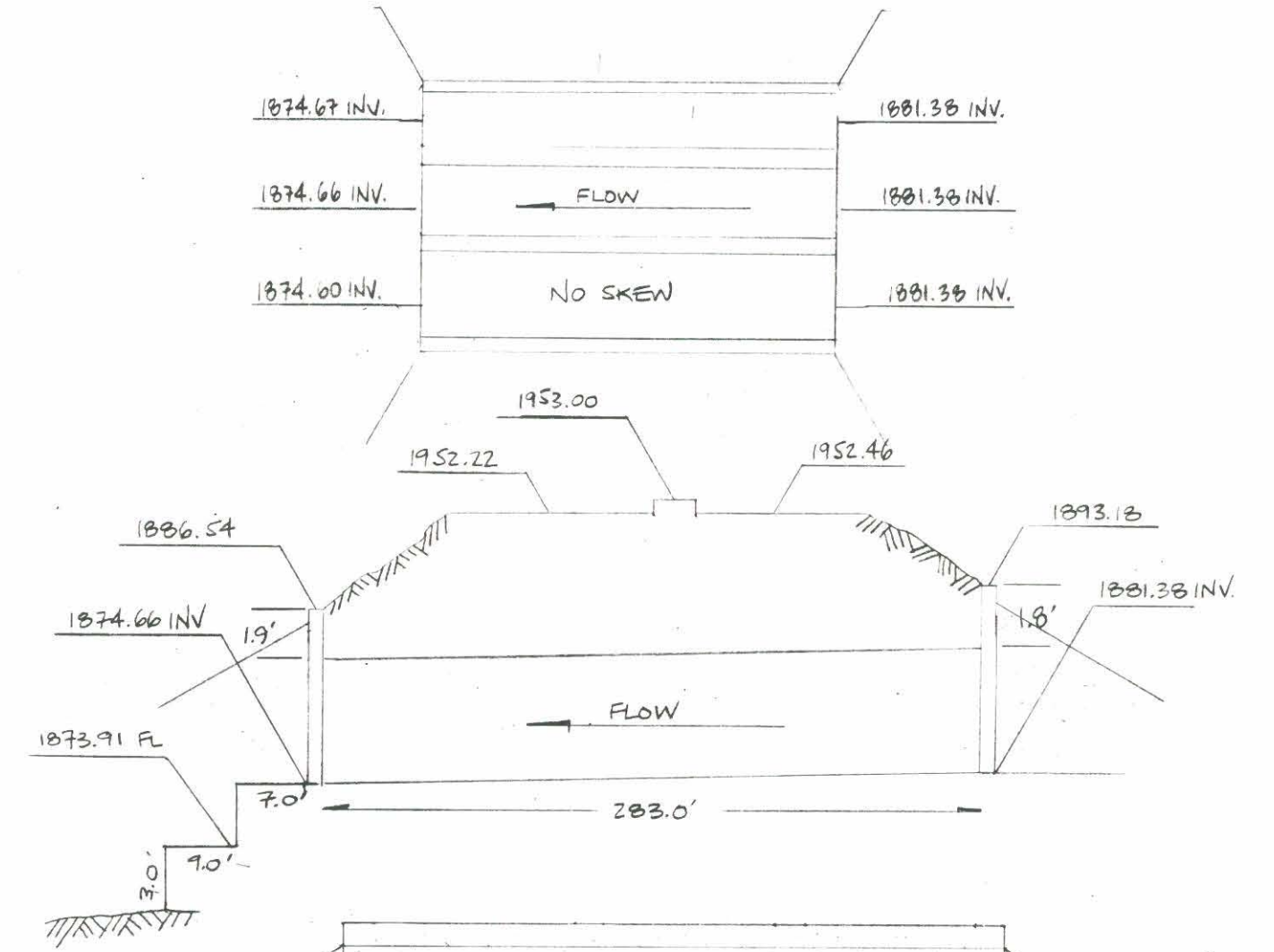
Struct. Cond.: ✓ Good __ Fair __ Poor

Headwall(s): ✓ Yes __ No: Cond.: GOOD

Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ± 71.62

No. of Spans or Barrels: 3

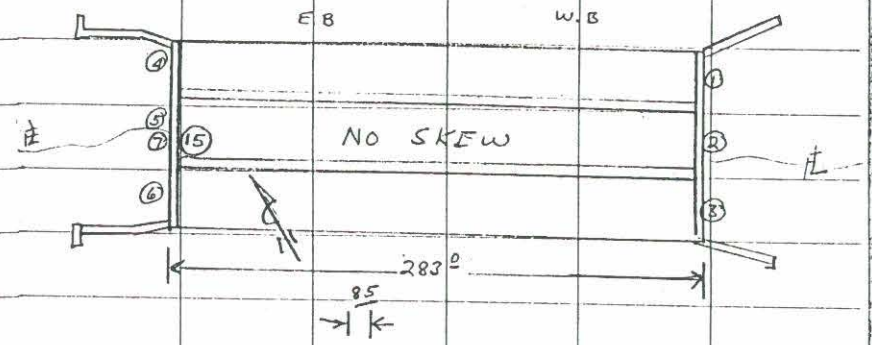


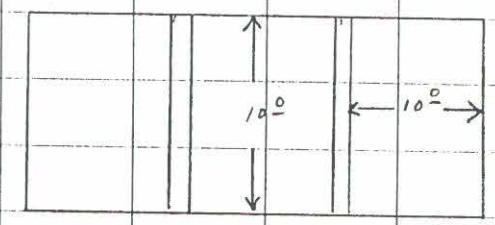
Date: 1/91

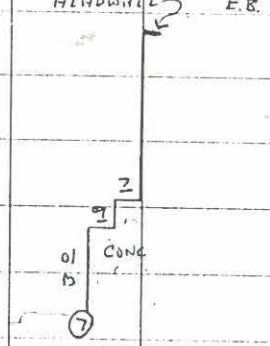
Morrison Maierle/CSSA

S-4
3 BARREL R.C.B.

STA	+	HI	−	ELEV	
C.P #11	1.08	956.30		1955.22	
TP#1			24.85	1931.45	
	0.11	1931.56			
TP#2			24.46	1907.40	
	0.13	1907.53			
TBm/EB			22.29	1885.24	Top Rock
	2.27	1887.51			
#15			0.97	1886.54	TOP HEADWALL
#4			12.84	1874.67	INV
#5			12.85	1874.66	INV
#6			12.91	1874.60	INV
#7			16.6	1870.91	N.G
TP #3			2.27	1885.24	
	22.92	1908.16			
TP #4			0.76	1907.40	
	24.41	1931.81			
TP #5			0.37	1931.44	

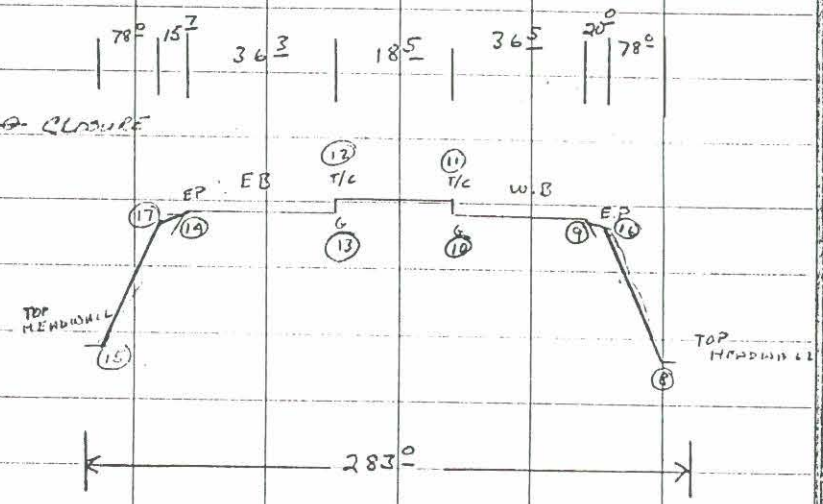






S-4
CONT.

				1931.44	
B	24.90	1956.34		(m)	(R)
C.P. #11			1.12	1955.22	1955.22
T					
STA.	+	HI	−	ELEV.	
C.P. #11	0.44	1955.66		1955.22	
TP #1			22.74	1932.92	
	0.33	1933.25			
TP #2			23.73	1909.52	
	0.09	1909.61			
#8			16.43	1893.18	TOP HEADWALL
#1			−11.80(m)	1881.38	INV
T #2			"	1881.38	INV
#3			"	1881.38	INV
TE TP #3			0.09	1909.52	
	24.51	1934.03			
TP #4			1.10	1932.93	
	22.73	1955.66			

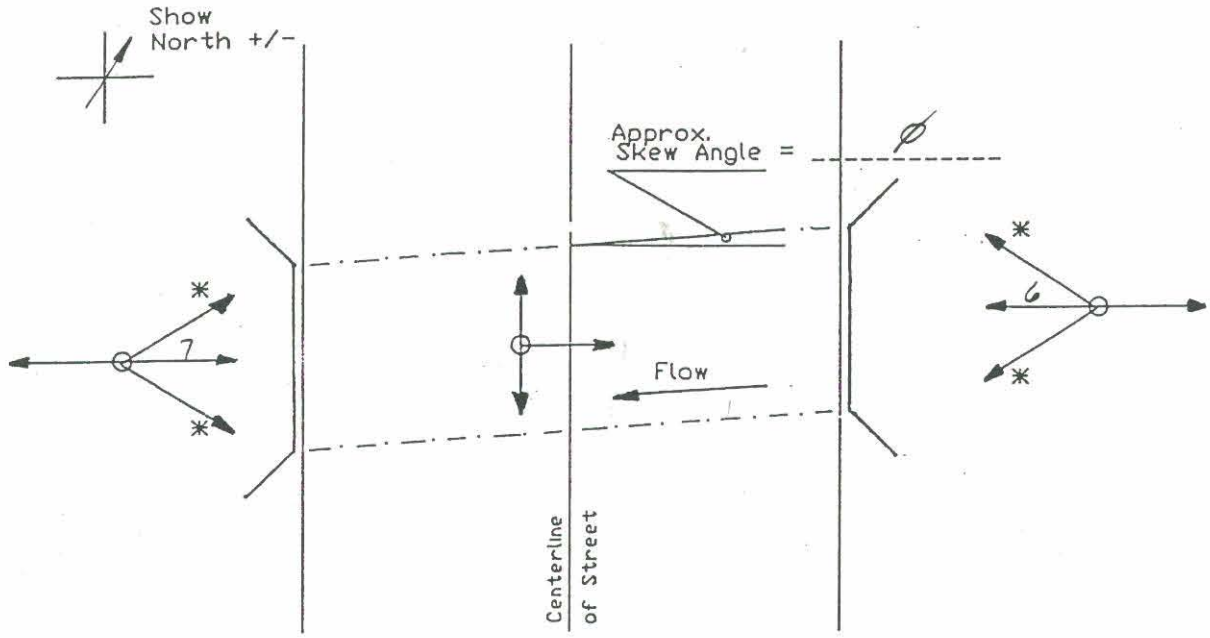


S-4 CONT.

	STA	+	HI	-	ELEV			
B			1955.66					
	16			7.0	1948.66	G.B.		
T	9			3.64	1952.02	E.P.		
	10			3.16	1952.50	G		
	11			2.66	1953.00	T/C		
	12			2.66	1953.00	T/C		
	13			3.21	1952.45	G		
	14			3.68	1951.98	E.P.		
	17			6.6	1949.1 (m)	G.B. (R)		
	C.P. #11			0.42	1955.24	1955.22	+.02	CLOSURE
T								
TB								

WICKENBURG
90-022
S-4

PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊙⟶): Roll No. 1



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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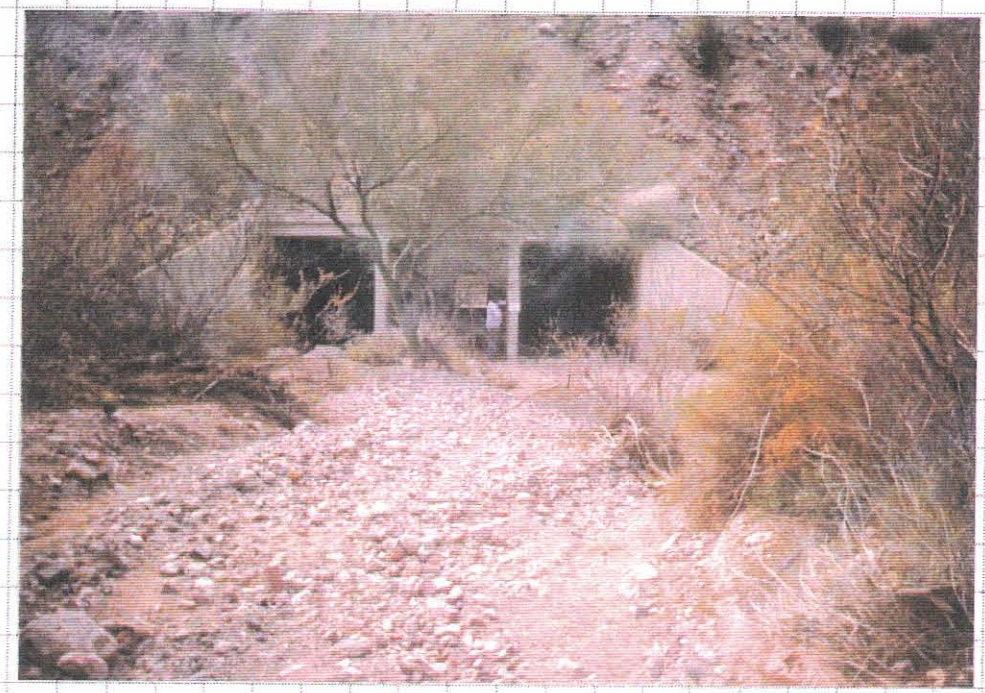
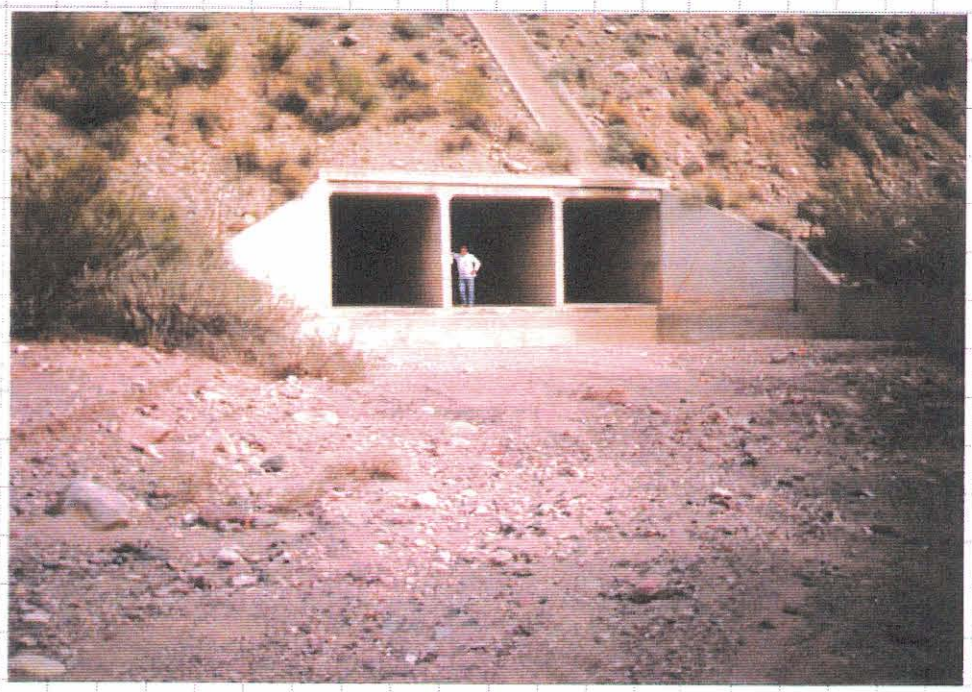
PROJECT NO. 90-022 SHEET ___ OF ___
STRUCTURE #4 DATE ___
DATE ___



STRUCTURE #4 - EAST SIDE OF ROAD PHOTO #6



STRUCTURE #4 - WEST SIDE OF ROAD PHOTO #7

Powder House Wash (AA)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 10.72 MILES N. OF THE INTERSECTION OF S.R. 93 AND CASTLE ROCK RD.

Wash Name: "AA"

Party Chief: R. DESMOND

Structure No.

Structure	Diam.	Span	Rise
R.C.B.			
R.C.P.			
C.M.P.			
Other			

Struct. Cond.: __ Good __ Fair __ Poor

Headwall(s): __ Yes __ No: Cond.: _____

Wingwalls: __ Yes __ No: Cond.: _____

Depth of Available Headwater: _____

No. of Spans or Barrels: _____

Date: _____

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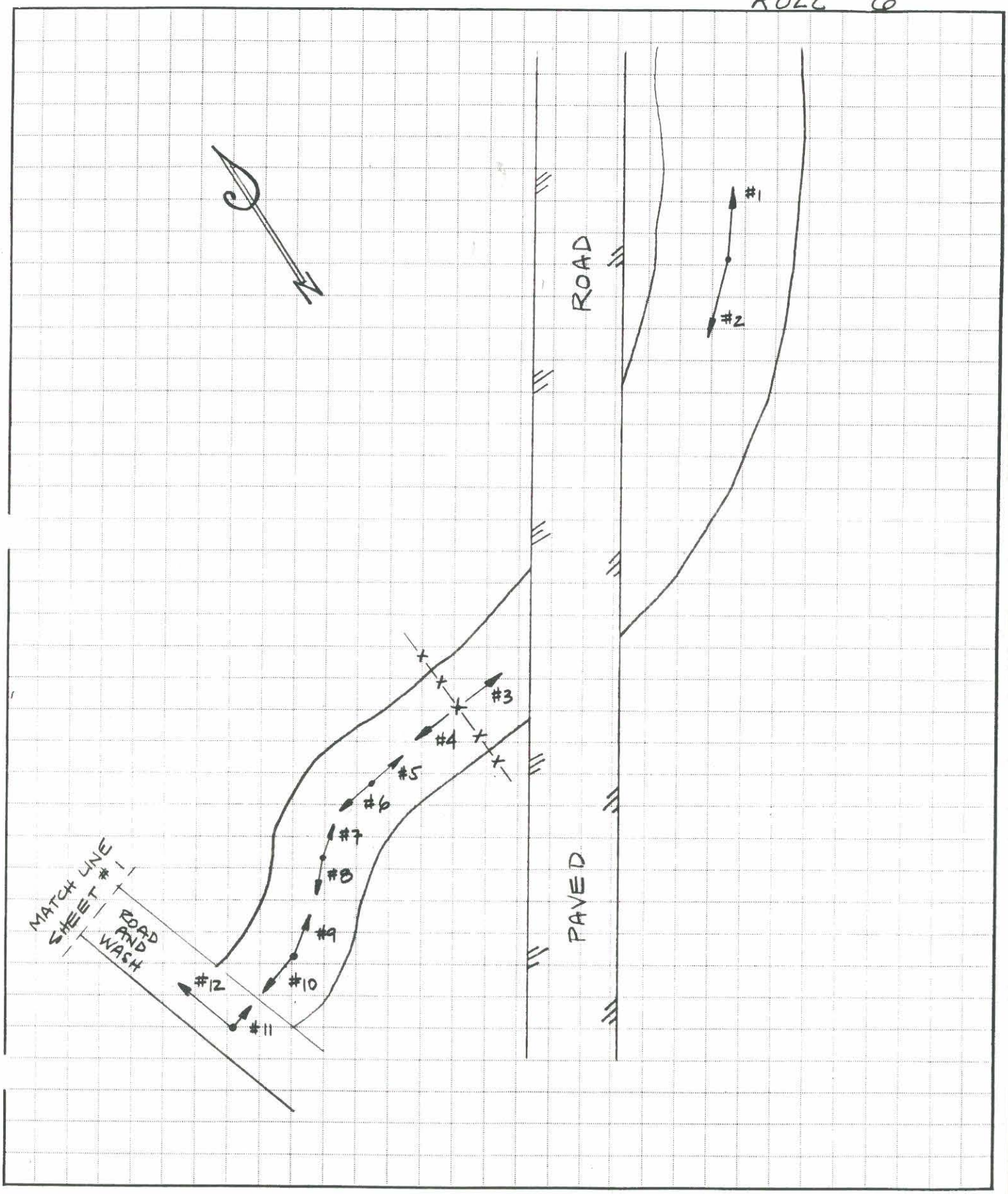
PROJECT WICKENBURG - [illegible]
PROJECT NO. _____ SHEET 1 OF 2
CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____

ROLL #6



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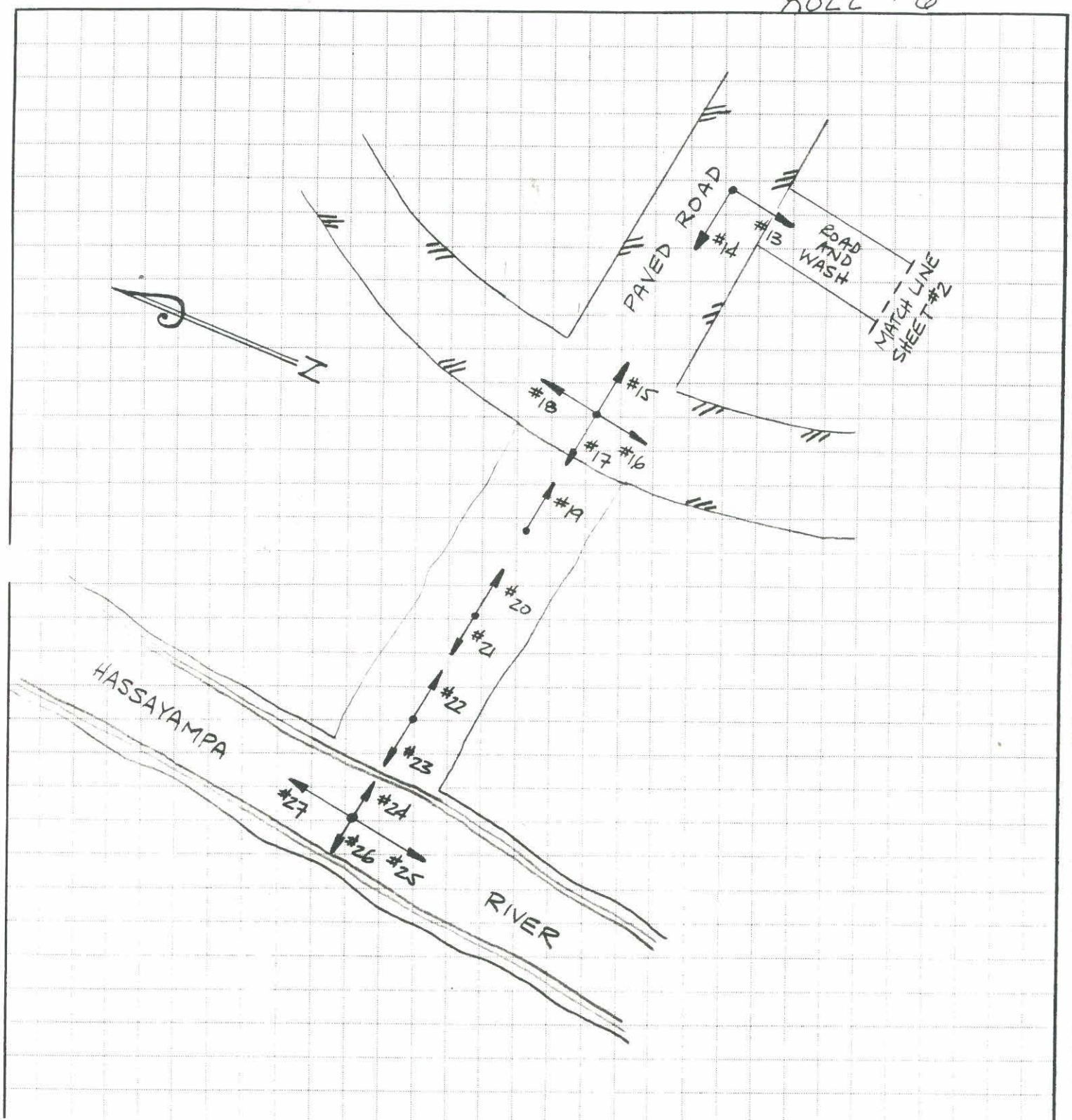
PROJECT WICKENBURG - WASH HH
PROJECT NO. _____ SHEET 2 OF 2
CALCULATED BY _____ DATE _____
CHECKED BY _____ DATE _____

ROLL #6



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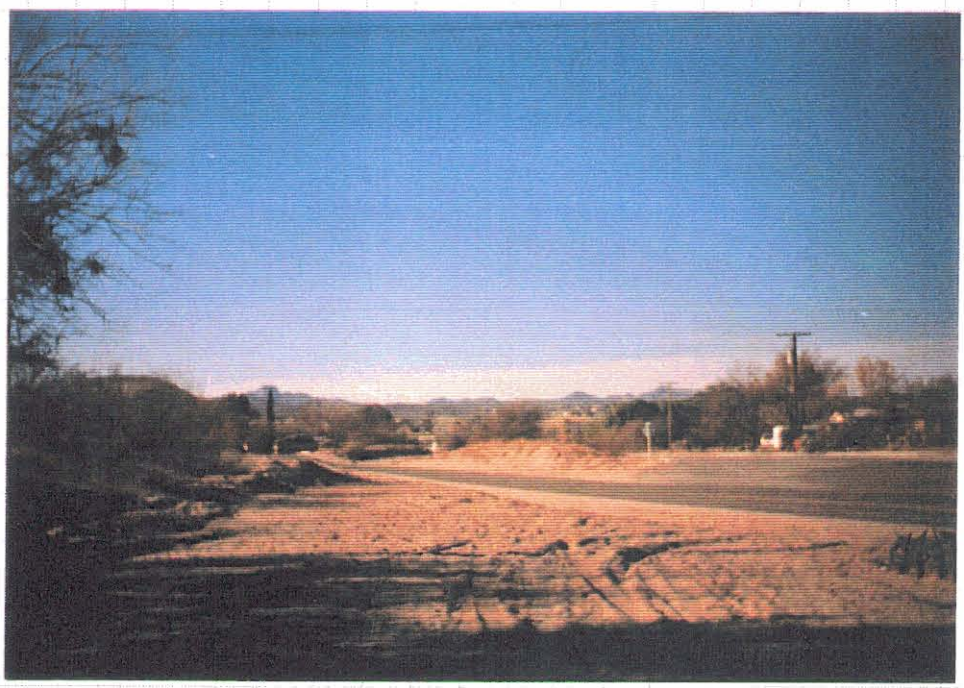
_____ DATE _____
_____ DATE _____



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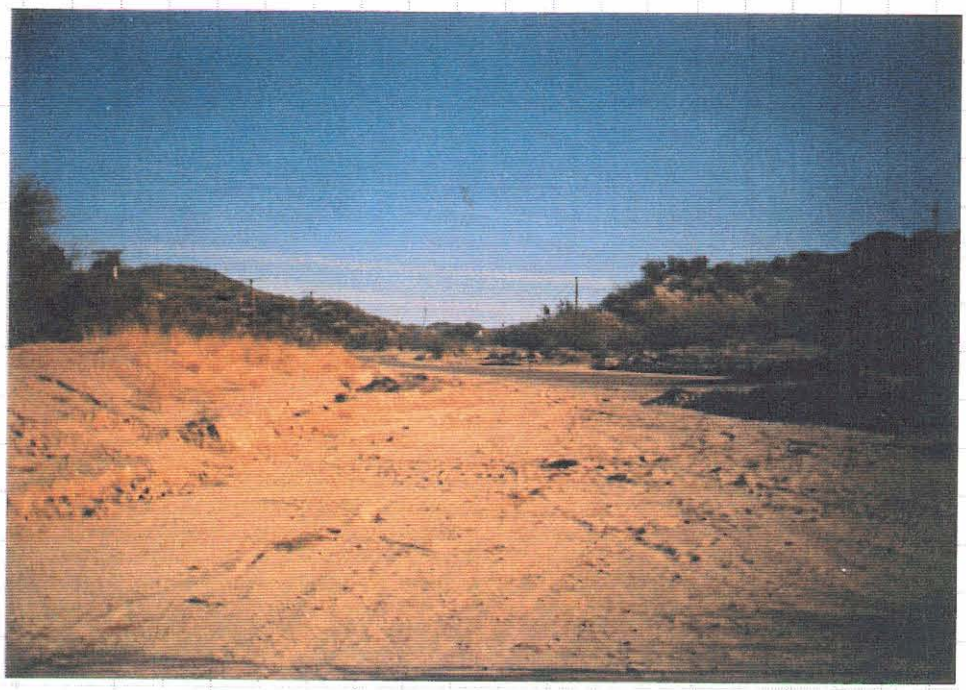
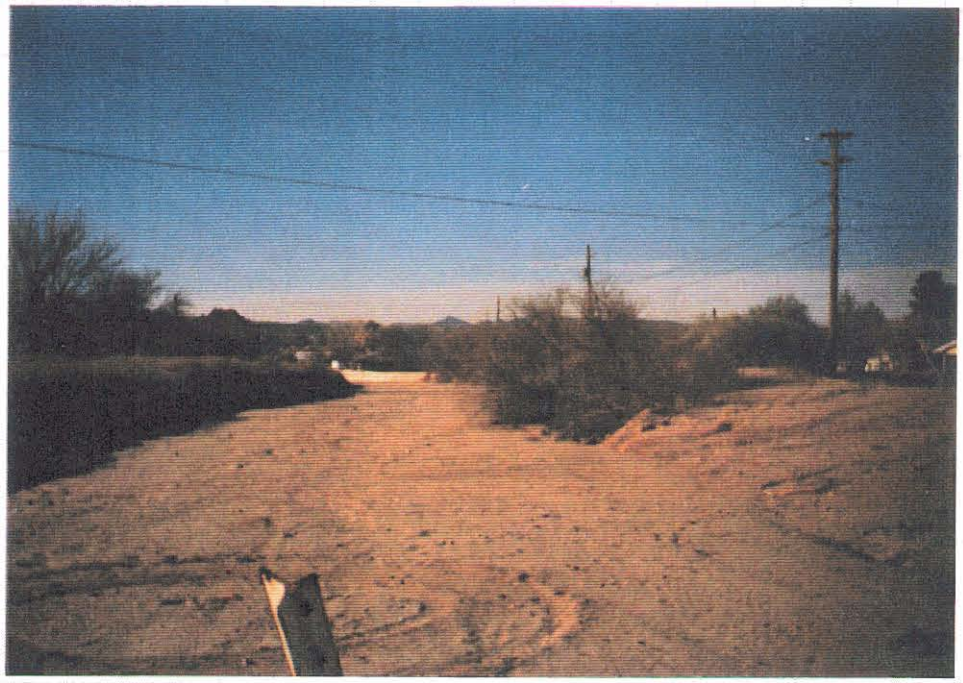
_____ DATE _____
_____ DATE _____





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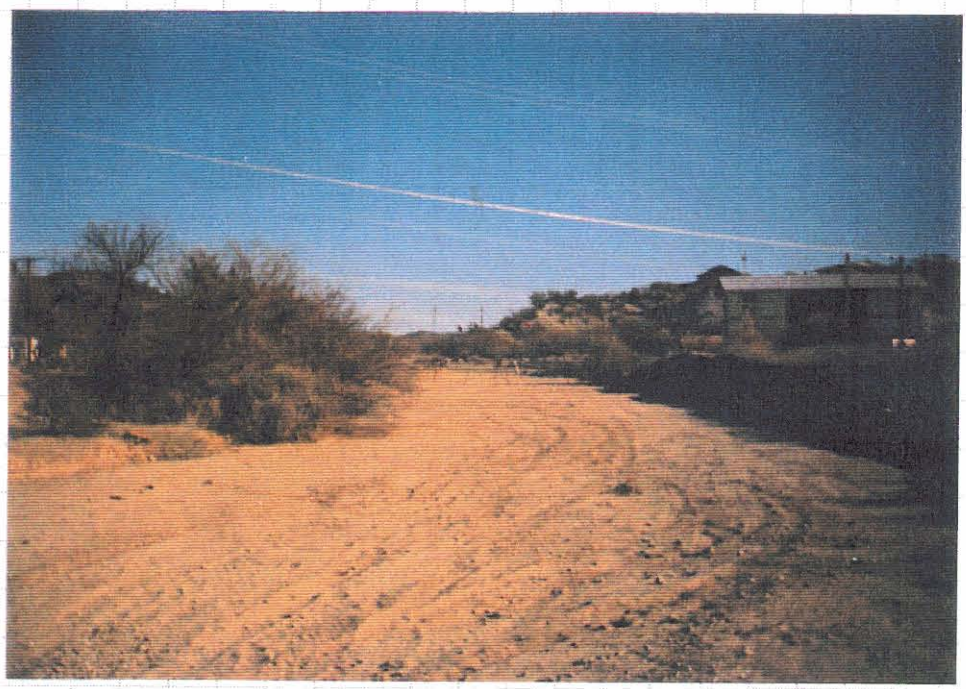

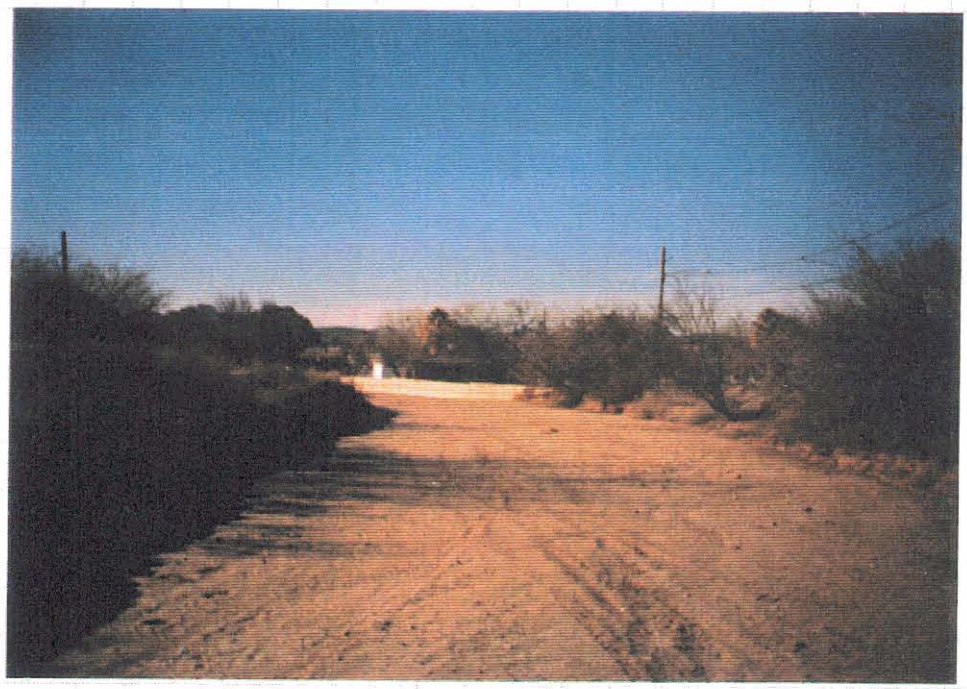

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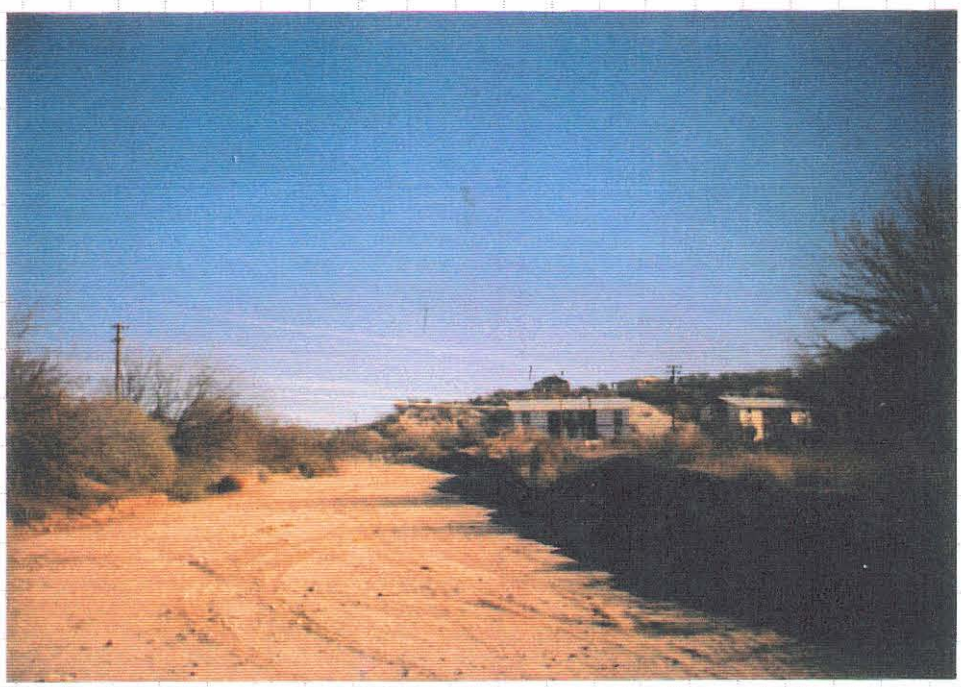

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_____ DATE _____
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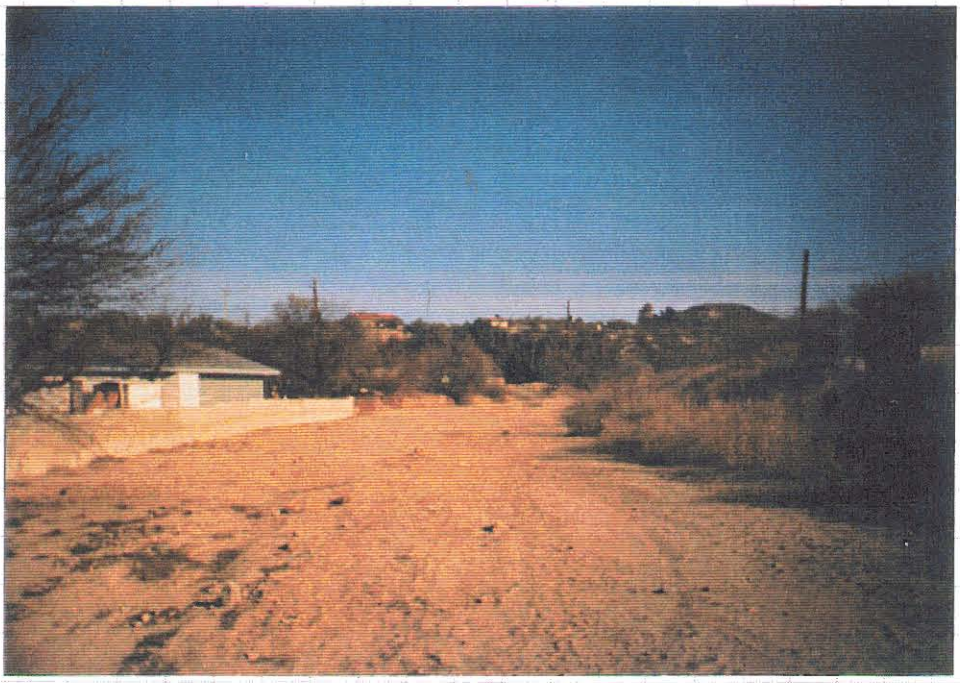

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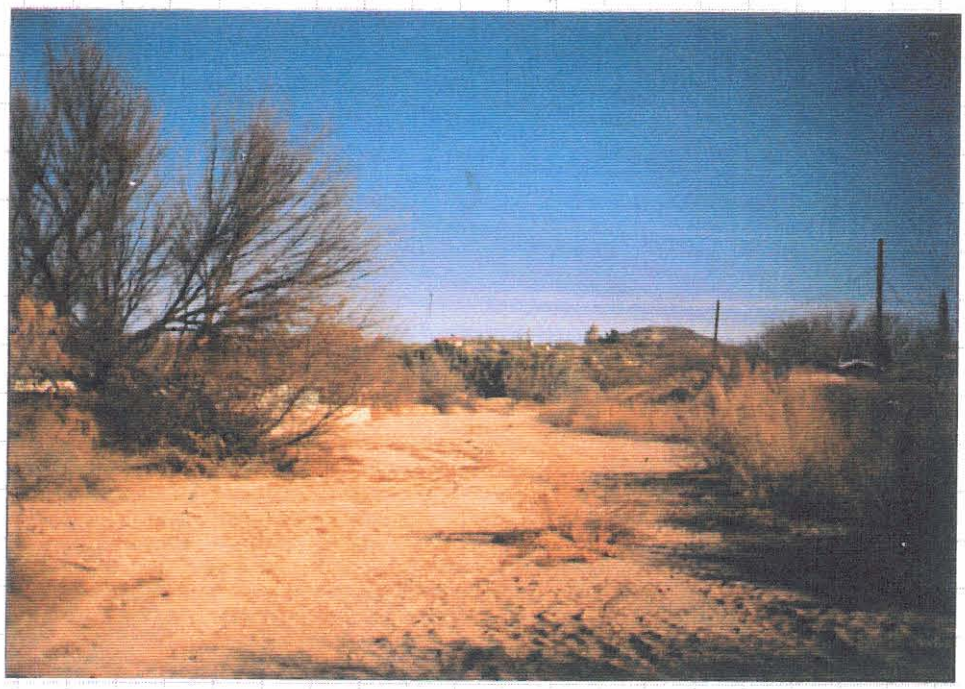

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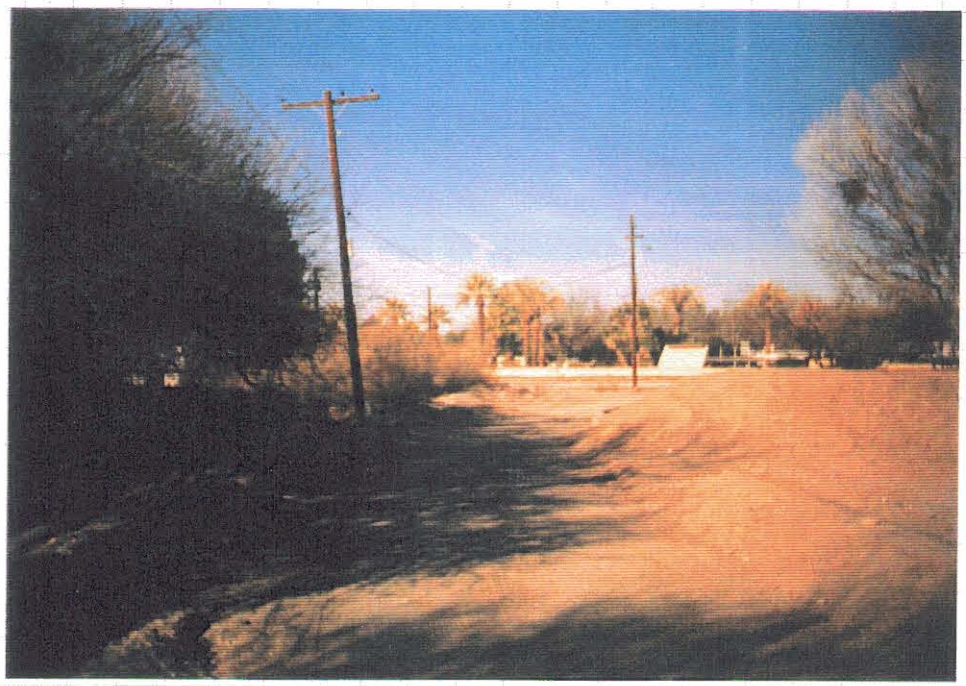

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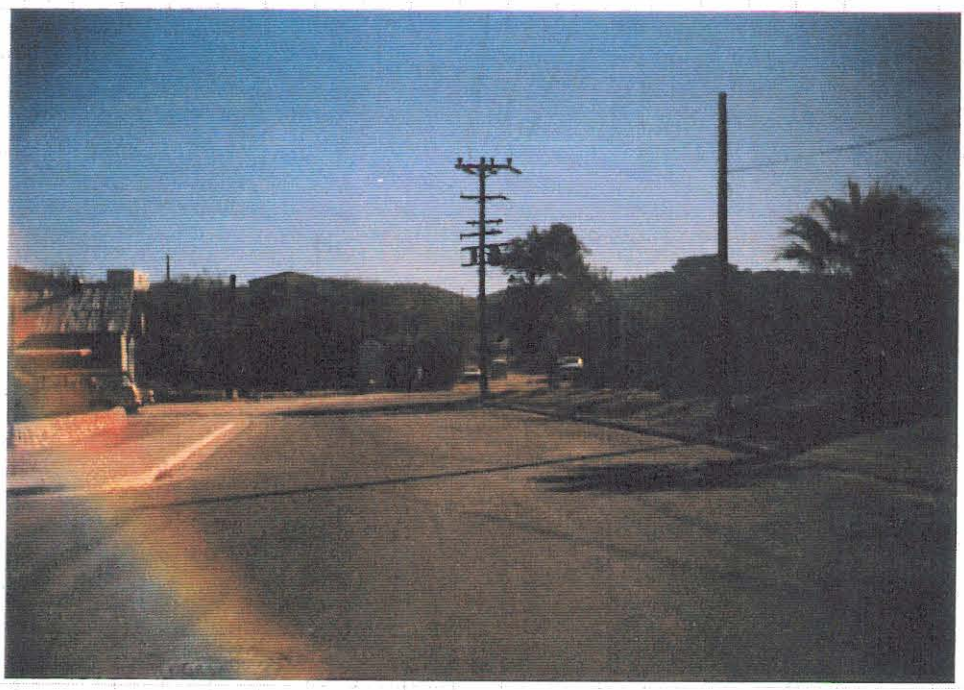

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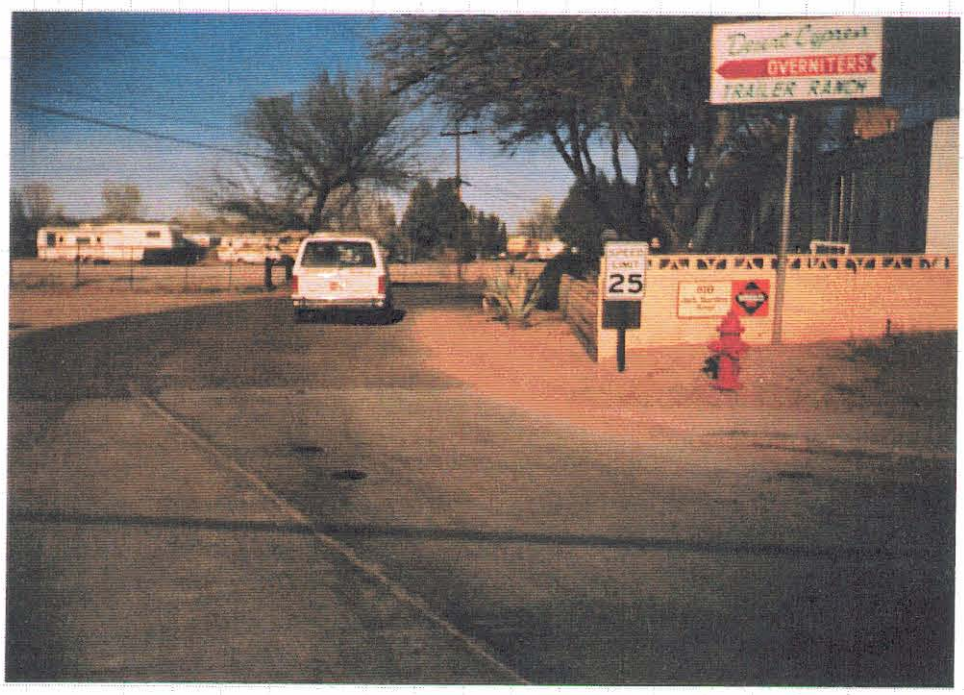

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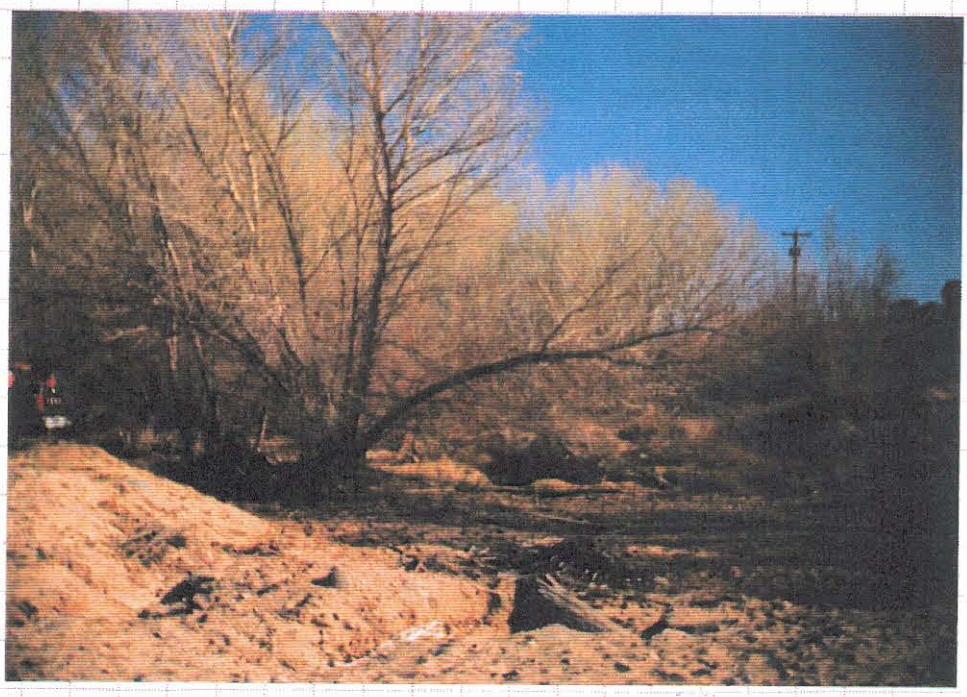

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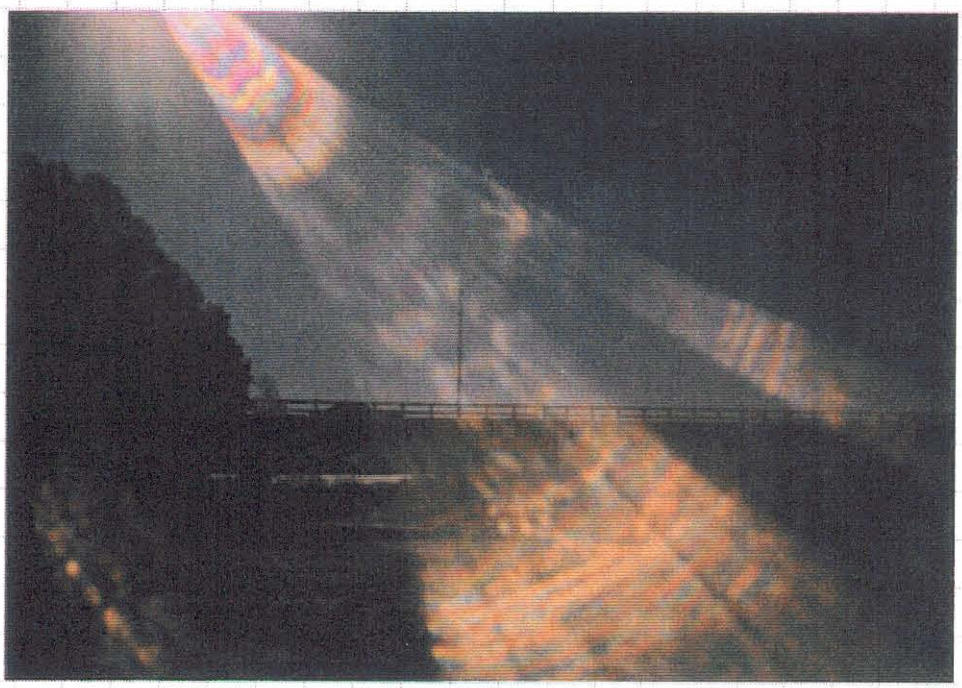

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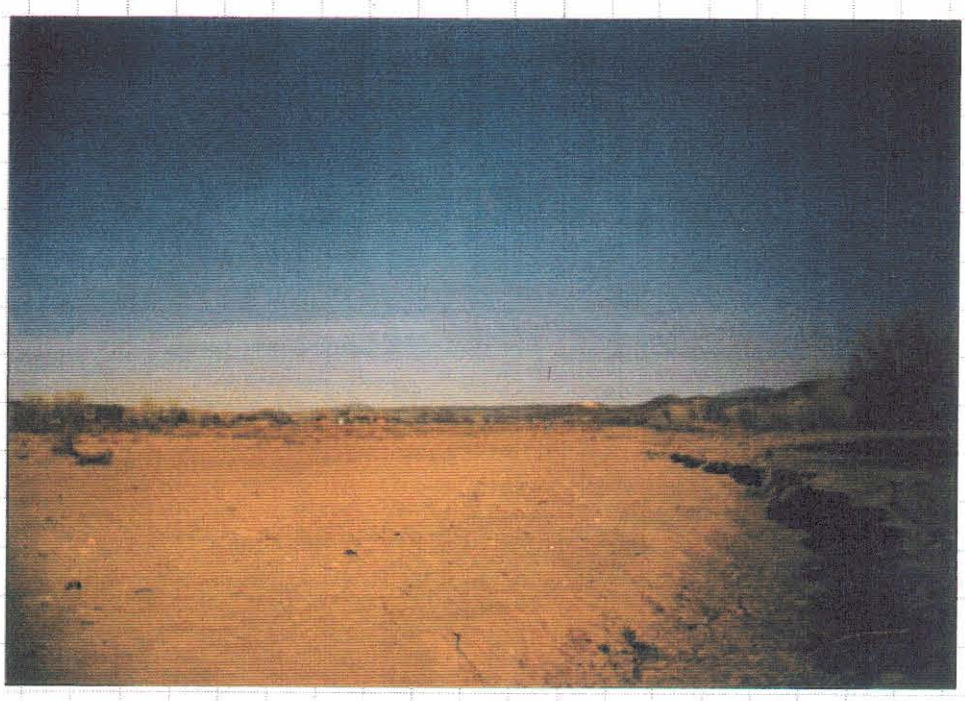

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Unnamed Wash #9 (AF)

Bridge & Culvert Survey Checklist
Wickenburg Area Drainage Master Plan

Location/Address: 10.10 MILES N. OF THE INTERSECTION OF SR 93 AND CASTLE ROCK RD

Wash Name: "AF"

Party Chief: R. DESMOND

Structure No. AF-1

Structure	Diam.	Span	Rise
R.C.B.	: 1-7'x?x 88'		
R.C.P.	:		
C.M.P.	:		
Other	:		

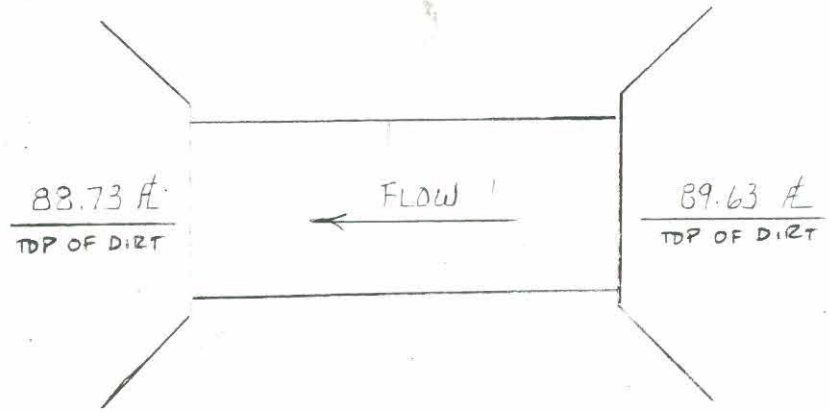
Struct. Cond.: ✓ Good __ Fair __ Poor

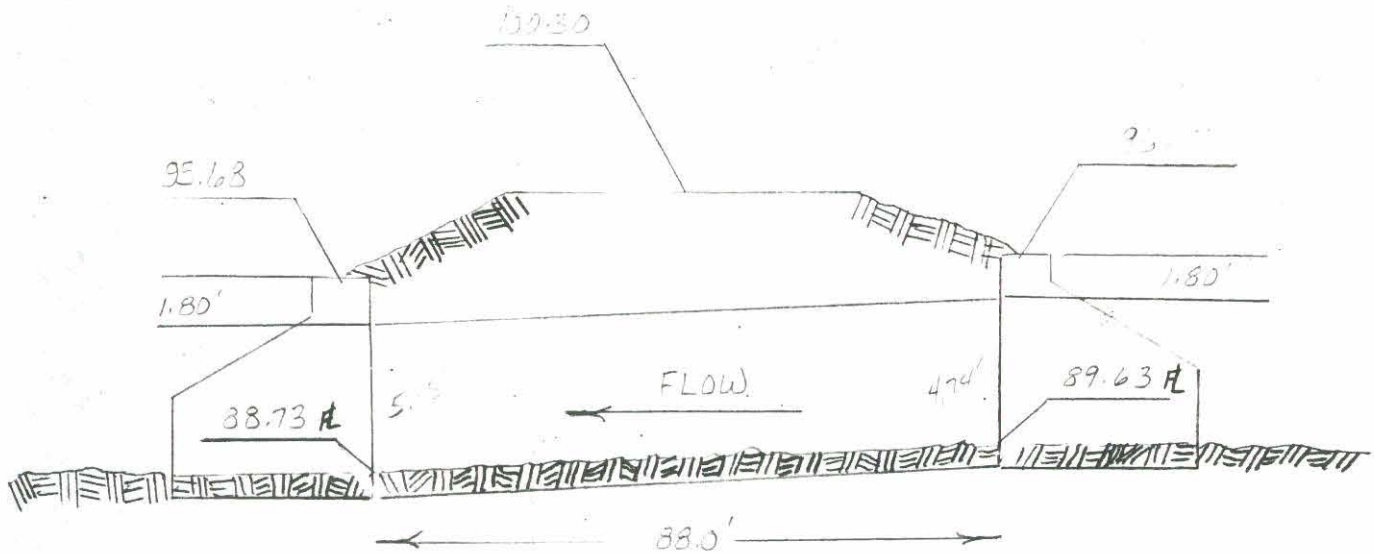
Headwall(s): ✓ Yes __ No: Cond.: GOOD

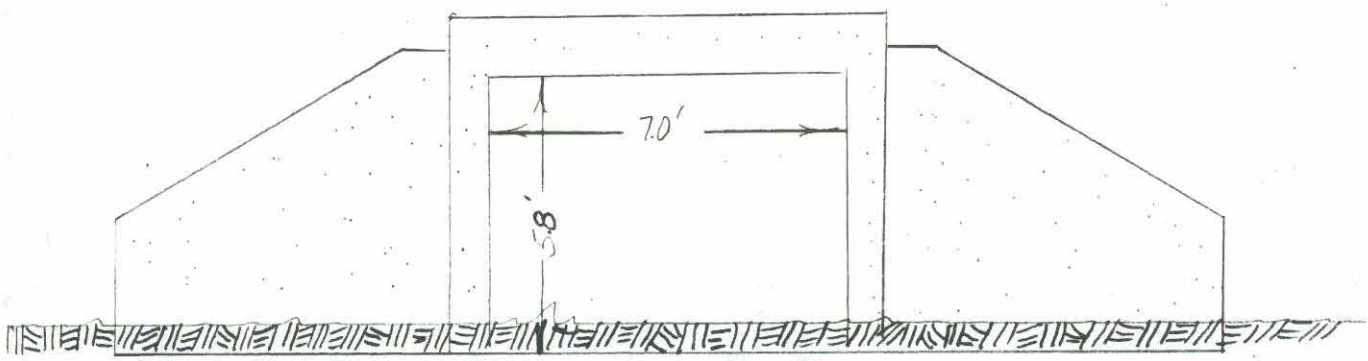
Wingwalls: ✓ Yes __ No: Cond.: GOOD

Depth of Available Headwater: ±10.67

No. of Spans or Barrels: 1







Date: 1/91

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WICKENBURG
90-022
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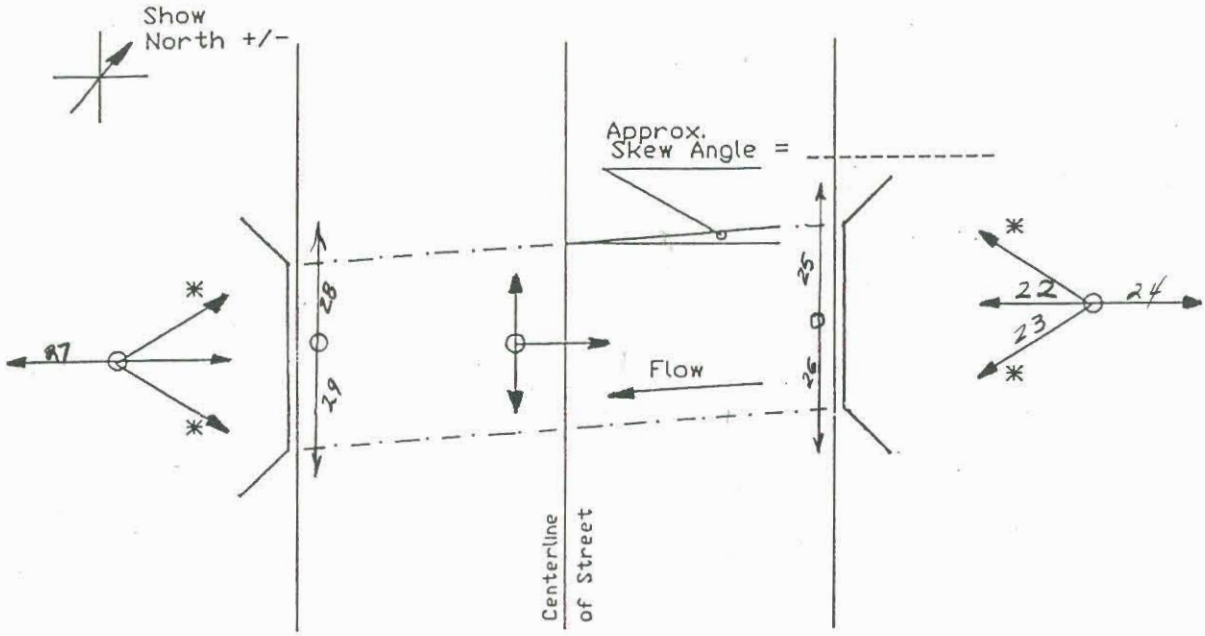
PHOTOGRAPH LOG & SPECIAL FEATURE DIAGRAM:
Indicate Frame No. on Photo Arrows Below (⊖——→): Roll No. 5



* Photograph only if required.

Special Notes: REFER TO FIELD NOTES

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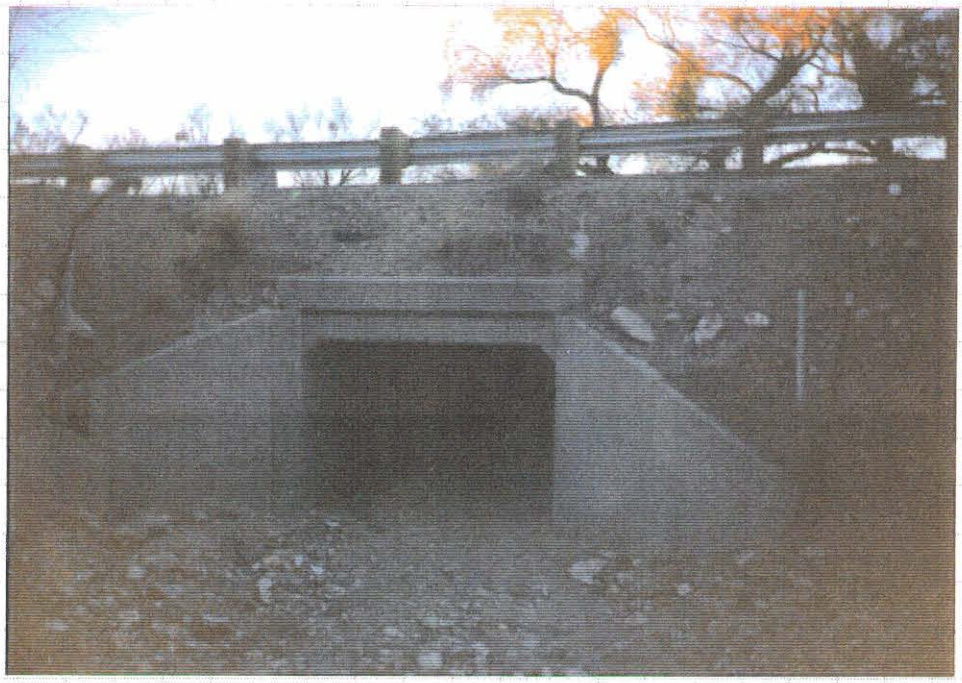
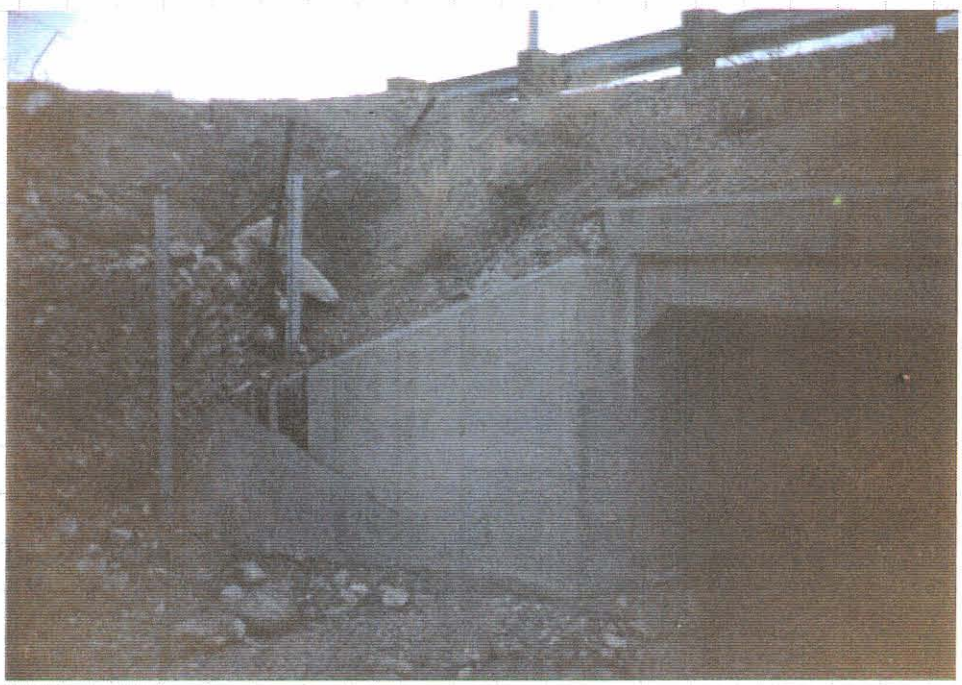


NORTH HEADWALL PHOTO # 22



EAST WINGWALL PHOTO # 23

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CHANNEL TO NORTH-NORTHEAST PHOTO #24 27

SHOULDER LOOKING WEST PHOTO #25 -5

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DATE ___

SHOULDER - LOOKING EAST PHOTO #26 29

CHANNEL TO SOUTH PHOTO #27 33

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DATE ___
DATE ___

SHOULDER - LOOKING WEST PHOTO #28 34

SHOULDER - LOOKING EAST PHOTO #29 35