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

FLOOD STUDY
TECHNICAL DATA NOTEBOOK

for

WHITE TANKS/AGUA FRIA
AREA DRAINAGE MASTER STUDY

APPENDIX B
VOLUME 3 OF 15

FIELD SURVEY DATA

Prepared for:
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

Prepared by:
THE WLB GROUP, INC.
333 East Osborn Road, Suite 380
Phoenix, Arizona 85012
(602) 279-1016

May 28, 1992

WHITE TANKS M953 (Book 1)

Name

MRT
SURVEYING & ENGINEERING CO.

Address
2909 W. FAIRMOUNT AVE.
PHOENIX, ARIZONA 85017

Phone

This book is published on a fine 50% cotton-content ledger paper, specially treated for maximum archival service, and protected by a water resistant surface sizing.

DT-0659

Projects Levels PGS WATER TANKS M953 (Book 1)

Peg check	1-2	PT-#54-#53-	PGS 55-56
PT #107-94	3-5	#81-#80	57-58
PT #94-90-79	6-8	#109-108	59-60
PT #79-66	9-11	#108-107	61-62
PT #66-52	12	TP #9 Page 7	
#52-38	13-15	#90	63-64
#38-28	16-18	TP #24 Page 14	
#28-18	19-21	#47	63-64
#18-12	22-23	TP #46 Page 23	
#12-8	24-25	#12	65-66
#8-10	26-28	TP #53 Page 27	
#10-19	29-30	#9	65-66
#30-29	31-32	#10-4	67-70
#29-28	33-34	#4-#2	71-72
#30-19	35-37	#4-#1	73-74
#30-39	38-39	#4-#5	75-77
#39-#54	40-42	#10-#11	78-79
#54-#67	43-45		
#67-#81	46-48		
#81-#95	49-51		
#95-109	52-54		

ELAN Publishing Co., Inc.
Meredith, N.H. 03253

Projects (continued) .....

Peg check

12-11-89

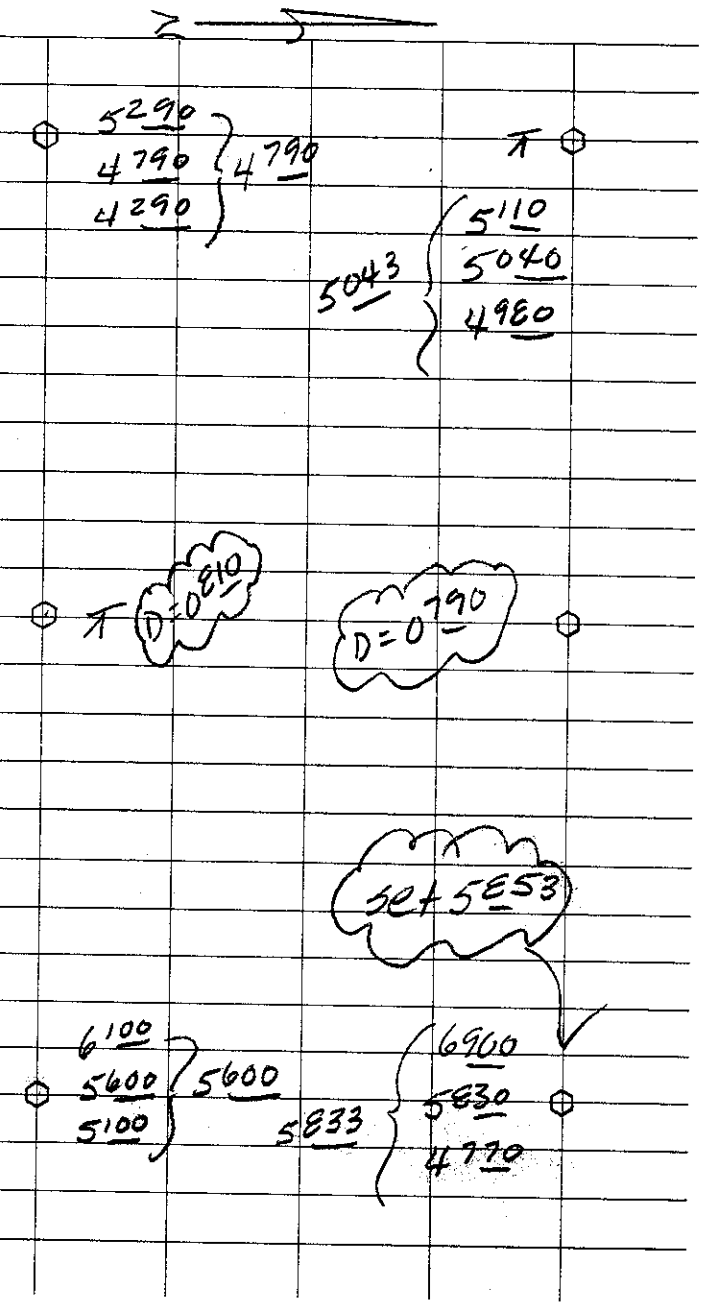
60°
clear
windy

R Long
D Frey

Zeiss N1-2

Adjustment made
12/11/89

R. Long



Begin Bench
Circuit
#107 - #94

12-11-89

R. Long
D. Frey

Northern & Sanival (#107)
North
to
Olive & Sanival (#94)

STA	+	H.I.	−	El.
#107				
	5.60			
SS#1			5.03	
TP#1			3.29	
	5.51			
TP#2			3.13	
	5.07			
TP#3			2.42	
	5.05			
TP#4			2.19	
	7.00			
TP#5			1.45	
	8.24			
TP#6			0.90	
	5.40			
SS#2			4.69	
#94			4.98	
↑	4.64			
TP#6			5.06	
	0.83			
TP#5			8.17	
	1.59			

Remarks

Base - 1/2" Rebar in pothole

pvmt @ pothole - pt #107

paint spot - East E/P

- near 1/4 cor

pvmt @ pothole - pt #94

Lt 5/8" Rebar (new) in pothole

STA	+	HI	−	EL
TP#4			7 13	
	2 14			
TP#3			5 00	
	2 51			
TP#2			5 16	
	3 17			
TP#1			5 55	
	3 35			
#107			5 85	
	(60 30)		(60 32)	

Remarks

(Ck in +0 02)

Begin Bench
Circuit

#94-90-79

12-11-89

R. Long
D. Frey

Olive & Sarival (#94)
to
1/4 corner (#90)
to
Peoria & Sarival (#79)

STA	+	HI	-	EL	Remarks
#94					Base - 5/8" Rebar in pothole
	5 32				
TP #7			2 33		East E/P
	5 28				
TP #8			2 92		East E/P
	4 67				
TP #9			1 78		East E/P near 1/4 cor - #90 not visible
	6 23				
TP #10			4 43		East E/P
	6 34				
TP #11			4 13		East E/P
	6 56				
SS #3			(185)		No. H/H Rim @ pt # 79
#79			2 10		Fd MCHD B/C in H/H
TP #11	1 60				
			6 07		
TP #10	3 99				
			6 21 ?		
TP #9	3 70				
			5 51		
TP #8	3 38				
			6 26		
	4 16				

Sta	+	HI	-	EL	
TP#7			6.55		
	3.35				
#94			6.33		
	54.60		54.62		

Remarks

#94 - 5/8" Rebar in pothole
Check in +0.02

Begin Bench
Circuit

#79 - #66

12-11-89

R. Long
D. Frey

Peoria & Sanival (#79)
to
Cactus & Sanival (#66)

STA	+	HI	−	EL	Remarks
#79					MCHD B/C in H/H
	7 24				
TP #12			1 63		
	6 77				
TP #13			2 99		
	6 10				
TP #14			2 42		East E/P - near 1/4 Cor
	7 07				
TP #15			2 17		
	8 82				
TP #16			0 94		
	6 63				
SS #4			1 39		H/H Rim @ pt #66
#66			1 72		fd MCHD B/C in H/H
~~SS~~	1 33				
TP #16			6 23		
	1 33				
TP #15			9 24		
	2 10				
TP #14			6 97		
	2 27				
TP #13			5 96		
	2 49				

Sta	+	HI	-	El	Remarks
TP #12			6 23		
	16 E				
#79			7 31		ck in = + 002
	53 83		53 81		

Begin Bench
Circuit

12-11-89

#66 - #52

R. Long
D. Frey

Caches & Survival (#66)

to

Waddell Rel & Survival (#52)

STA	+	HI	-	EL
#66				
	6 64			
TP #17			2 98	
	6 49			
TP #18			3 40	
	6 54			
TP #19			1 27	
	6 50			
TP #20			3 35	
	8 46			
SS #5			0 24	
#52			0 62	
&	1 00			
TP #20			8 82	
	3 35			
TP #19			6 50	
	1 18			
TP #18			6 43	
	3 12			
TP #17			6 22	
	2 70			
#66			6 36	
	45 98		45 95	

Remarks

MCHD B/C in H/H

East E/P - near 1/4 cor

Ctr MCHD B/C in H/H

Ck in + 0 03

BEGIN BENCH
CIRCUIT

#52 - #38 12-12-89

D. FREY
P. DOTEN

WADDEL RD #52

TO

GREENWAY RD. #38

STA	+	HI	-	EL.
# 52				
	6 47			
TP-21			4 08	
	6 38			
TP-22			3 78	
	6 17			
TP-23			3 70	
	6 82			
* TP-24			2 69	
	7 57			
TP-25			2 65	
	6 08			
TP-26			3 37	
	6 51			
TP-27			2 93	
	5 93			
TP-28			2 59	
	7 03			
# 38			1 70	
	1 54			
TP 28			6 85	
	2 77			
TP 27			6 10	
	3 04			

MC HD B/C IN H.H.

SET COTTON SPINDLE E-EDGE DIRT RD NEAR 1/4 COR

5/8 NEW REBAR S-E COR GREENWAY & SARIVAL

STA	+	HI	-	EL.
TP-26			6 62	
	3 43			
TP-25			6 15	
	2 86			
TP-24			7 78	
	2 39			
TP-23			6 51	
	3 40			
TP-22			5 88	
	3 25			
TP-21			5 84	
	4 13			
#52			6 53	
	85 77		85 75	

Ck IN +0.02

BEGIN BENCH
CIRCUIT

38 TO # 28

SARIVAL RD

GREEN WAY (#38) TO BELL (#28)

D. FREY
P. OOTEN
12-12-89

STA	+	HI	−	EL
#38				
	5 68			
TP-29			4 62	
	4 74			
TP-30			3 06	
	5 25			
TP-31			2 79	
	5 30			
TP-32			3 80	
	6 11			
TP-33			2 45	
	4 25			
TP-34			1 51	
	3 97			
TP-35			4 75	
	4 77			
SS #6			3 84	
#28			4 55	
	4 40			
TP-35			4 60	
	4 92			
TP-34			4 14	
	1 58			

5/8 REBAR

T.P. N-S / E-W. IRRIG. CANAL BANK ABOUT 1/4 COR

PAVEMENT SHOT.

B/C IN H.H. (BELL)

STA	+	HI	-	EL
TP-33			4 34	
	2 74			
TP-32			6 40	
	3 78			
TP-31			5 28	
	3 00			
TP-30			5 47	
	3 00			
TP-29			4 68	
	4 23			
# 38			5 29	
	67 72		67 73	

CK IN. - 0.01

BEGIN BENCH
LOOP

#28 TO #18

D. FREY
P. OOTEN
12-12-89

STA	+	HI	−	EL.
#28				
	7 22			
TP-36			3 01	
	6 20			
TP-37			2 81	
	5 90			
TP-38			1 74	
	6 00			
TP-39			4 77	
	6 80			
TP-40			4 38	
	6 28			
TP-41			3 60	
	7 14			
TP-42			2 54	
	5 32			
# 18			3 78	
	3 59			
TP-42			5 13	
	1 77			
TP-41			6 37	
	3 25			
TP-40			5 93	
	4 50			

B.C. IN H.H.

TP SET ON E. SIDE RD. NEAR S.W. COR HEADWALL IRRIG GATE 1/4 COR.

NEW
5/8 REBAR @ UNION HILL'S

STA	+	HI	-	EL.
TP- 39			6 92	
	4 26			
T-P-38			5 49	
	1 52			
TP- 37			5 68	
	2 56			
TP- 36			5 95	
	2 35			
# 28			6 55	
	74 66		74 65	

CK. IN + 0.01

BEGIN BENCH LOOP

18 TO # 12

D. FREY
P. OOTEN
12-12-89

STA	+	HI	-	EL.
#18				
	4 90			
TP-43			4 00	
	5 57			
TP-44			3 57	
	6 30			
TP-45			3 08	
	5 87			
TP-46			3 43	
	3 70			
TP-45			6 13	
	2 88			
TP 44			6 09	
	3 50			
TP-43			5 50	
	3 78			
#18			4 68	
	36 50		36 48	

5/8 REBAR

(PK) SET T.P. ON N-S/E-W IRRIG DITCH ABOUT 1/4 CORN

5/8 REBAR

CK. IN + 0.02

BEGIN BENCH
LOOP
#12 TO #8

D. FREY
P. OOTEN
12-13-89

STA	+	HI	−	EL
TP-46				
	6 87			
TP-47			0 21	
	3 96			
TP-48			6 46	
	4 17			
TP-49			4 60	
	6 62			
SS # 7			1 62	
# 8			1 42	
	1 38			
TP-49			6 57	
	4 85			
TP-48			4 42	
	7 35			
TP-47			4 85	
	0 46			
TP-46			7 12	
	35 66		35 65	

P.K. NEAR 1/4 COR.

GROUND SHOT @ #8

#8 5/8 REBAR

CK IN. T 0.01

BEGIN BENCH LOOP #8 TO #10

D. FREY
P. OOTEN
12-13-89

STA	+	HI	-	EL.
# 8				
	1 29			
TP- 50			6 62	
	3 69			
TP- 51			5 90	
	3 41			
TP- 52			4 24	
	2 44			
TP- 53			6 29	
	3 82			
TP- 54			5 42	
	3 07			
TP- 55			5 37	
	3 37			
SS # 8			3 29	
# 10			3 65	
	3 83			
TP - 55			3 54	
	5 33			
TP- 54			3 04	
	5 48			
TP- 53			3 89	
	6 09			

5/8 REBAR

SET P.K. END OF IRR16 CANNAL

SET SPIKE APPOX 1/4 COR

PAVEMENT SHOT

B/C IN H.H. BEARDSLEY & REEMS

STA	+	HI	−	EL.
TP - 52			2 22	
	4 61			
TP - 51			3 77	
	5 94			
TP - 50			3 74	
	6 84			
# 8			1 51	
	59 21		59 20	

Ck IN + 0.01

STA	+	HI	-	ELEV.
# 10				
	1 06			
TP-56			7 14	
	3 17			
TP-57			5 97	
	3 20			
TP-58			5 77	
	3 27			
TP-59			5 89	
	2 88			
TP-60			5 72	
	2 95			
TP-61			6 47	
	2 59			
TP-62			5 26	
	4 25			
SS # 9			5 14	
# 19			5 68	
	5 86			
TP-62			4 42	
	5 47			
TP-61			2 81	
	6 36			

BEGIN BENCH LOOP #10 TO #19

D. FREY
P. OOTEN
12-13-89

PAVEMENT SHOT

B.C. IN. H.H. REEM's & UNION HILLS

STA	+	HI	−	EL.
TP-60			2 84	
	5 62			
TP-59			2 78	
	6 06			
TP-58			3 44	
	5 81			
TP-57			3 24	
	6 01			
TP-56			3 22	
	7 05			
# 10			0 98	
	71 61		71 63	

CK IN + 0.02

BEGIN BENCH LOOP

30 TO # 29

D. FREY

P. OOTEN

12-13-89

STA	+	HI	-	EL.
# 30				
	7 22			
TP-63			3 56	
	5 52			
TP-64			3 96	
	6 33			
TP-65			3 72	
	5 68			
# 29			3 46	
	3 34			
TP-65			5 56	
	3 99			
TP-64			6 60	
	3 63			
TP-63			5 20	
	3 02			
SS # 10			6 28	
# 30			6 68	
	38.73		38.74	

B.C. IN H.H BELL + REEMS

S. SIDE TOP B.C. H.H. RIM -.72 TO B.C.

SS. PAVEMENT @ P.P. # 30

CK IN. + 0.01

Begin Bench Loop
#29 - 28

D. Frey π
C. Moxley θ
12-14-89

Nikon A2-1
Level Pegged This Date.

STA	+	HI	−	E/-
# 29				
	5 53			
TP-66			3 04	
	5 18			
TP-67			2 51	
	6 05			
# 28			3 90	
	4 17			
TP-67			6 33	
	2 47			
TP-66			5 15	
	3 51			
# 29			6 00	
	26 91		26 93	

TOP RIM - 0.72 TO B.C.

BC IN H.H. BELL & SARIVAL

TOP RIM (B.C.)

CK. IN - 0.02

BEGIN BENCH
LOOP
#30 - #19

C. MOXLEY
D. FREY
12-14-89

STA	+	HI	−	EL.
# 30				
	6 44			
TP- 68			2 98	
	5 42			
TP- 69			3 14	
	5 60			
TP- 70			2 30	
	5 39			
TP - 71			4 00	
	6 70			
TP- 72			3 00	
	5 10			
TP- 73			2 96	
	5 42			
# 19			3 57	
	3 75			
TP-73			5 60	
	3 24			
TP- 72			5 37	
	2 54			
TP- 71			6 24	
	3 52			
TP- 70			4 91	
	2 45			

B.C. IN. H.H. BELL + REEMS

B.C IN H.H. 1/4 COR,

STA	+	HI	-	EL.
TP-69			5 73	
	3 17			
TP-68			5 47	
	2 90			
# 30			6 37	
	61 64		61 66	

CK IN. -0.02

	+	HI	-	EL
#30				
	2.87			
T.P. 74			6.05	
	2.475			
T.P 75			5.73	
	3.99			
T.P 76			5.53	
	3.555			
TP 77			6.595	
	2.66			
TP 78			6.095	
	3.715			
TP 79			5.64	
	3.655			
TP 80			5.63	
	4.25			
#39			6.03	
	5.865			
TP 80			4.085	
	5.715			
TP 79			3.73	
	5.715			
TP 78			3.79	

B.C. IN N.H. Bell & Reems Rd.

(Begin Bench Loop #30 - #39

C. Moxley T
D. Frey R
12-14-89

B.C. IN N.H. Reems & Paradise Ln.

B.C. IN N.H. Reems and Greenway

	+	HI	−	EL.
	6.305			
TP77			2.87	
	6.91			
TP76			3.875	
	5.84			
TP75			4.31	
	5.88			
TP74			2.61	
	6.25			
#30			3.08	
	75.65		75.65	

BC in H.H. Reems and Paradise LN.

BC in HH Reems and Bell

CK IN 0.00

Bench Loop

#39 TO #54

12-19-89

OoTen P

Mosher R

#39 Reems Rd & Greenway

#54 Reems Rd & Waddell Rd.

Sta	+	H.	-	Elev
# 39	4.58			
SS.			4.10	
T.P. 81			5.93	
	3.14			
TP 82			6.45	
	4.05			
TP 83			5.65	
	3.98			
TP. 84			6.40	
	3.18			
TP 85			6.07	
	2.45			
TP 86			7.73	
	2.81			
P.P. #54			5.87	
	5.99			
T.P. 86			2.92	
	7.91			
TP. 85			2.63	
	6.69			
TP. 84			3.80	
	6.35			
TP #83			3.93	
	5.59			
TP. 82			4.00	

BC. in HH. @ Reems Rd & Greenway

SS. Pavement @ # 39

P.P. #54 RK. Flush & Reems Rd & Waddell Rd.

Sta	+	H.	-	Elev
T.P. 82				
	6.46			
T.P. 81			3.16	
	5.97			
P.P. # 39			4.61	
	69.15		69.15	

P.P. #39 B.C. H.H @ Reeves Rd. & Greenway Rd

check "00"

Bench Loop

P.P # 54 To 67

OaTen. P
Mosher R
12-19-89

Sta	+	Hi	−	Elev
P.P.#54				
	1.31			
T.P. 87			7.75	
	2.15			
T.P. 88			8.70	
	1.59			
TP. 89			7.82	
	2.37			
T.P. 90			7.67	
	2.11			
TP 91			7.08	
	3.31			
TP. 92			6.52	
	2.81			
S.S.			{6.59}	
P.P. 67			6.66	
	6.81			
T.P. 92			2.97	
	6.06			
TP. 91			2.84	
	7.11			
TP. 90			2.16	
	6.95			
TP. 89			1.65	

P.P.#54 P.K. Flash & Reems Rd. & Waddell Rd

S.S. Pavement @ P.P. 67

P.P.#67 R.K. & Cactus & Reems Rd

Sta	+	Hi	-	Elev.
T.P.89				
	7.26			
TP. 88			1.03	
	9.01			
TP. 87			2.46	
	7.09			
P.P#54			0.66	
	65.94		65.97	

P.P #54 P.K Flash & Reems Rd & Waddell

check in .03 low

Bench Loop
P.P. #67 TO P.P. #81

Ooten, P
Mosher R
12-19-89

Sta	+	H.	−	Elev
P.P. #67				
	3.45			
TP 93			6.58	
	3.77			
TP 94			6.43	
	3.52			
TP 95			6.66	
	4.15			
TP 96			6.71	
	3.77			
TP 97			6.71	
	3.97			
TP 98			6.92	
	3.28			
TP 99			6.97	
	3.26			
S.S			{7.17}	
P.P. #81			7.88	
	7.75			
T.P. #99			3.13	
	7.09			
TP 98			3.40	
	7.01			
T. P. 97			4.05	

P.P. #67 P.K. & Cactus & Reems Rd.

(S.S.) Pavement @ P.P. #81

P.P. #81 BC. in HH @ & Reems Rd & Peoria Av

Sta	+	H.I.	-	Elev.
TP. 97				
	7.03			
TP. 96			4.07	
	6.79			
TP 95			4.23	
	6.70			
TP 94			3.56	
	6.33			
TP. 93			3.67	
	6.78			
P.P. # 67			3.64	
	84.65		84.61	

P.P. # 67 P.K. & Cactus & Reems Rd.

check in .04 high

Bench Loop.
P.P. #81 To P.P. #95

O. Tey P
Mosher R
12-19-89

Sta	+	H.I.	−	Elev
P.P. #81				
	5.27			
T.P. 100			6.39	
	4.16			
T.P. 101			6.59	
	4.02			
TP. 102			6.41	
	4.29			
TP 103			6.81	
	4.07			
TP 104			6.66	
	4.60			
TP 105			6.27	
	3.67			
TP 106			6.30	
	4.05			
~~TP 107~~				
S.S			7.22	
P.P. #95			7.80	
	7.92			
T.P. 106			4.17	
	6.40			
T.P. 105			3.78	

P.P. #81 B.C. in H.H. @ Reems Rd & Peoria Av.

OoTen P
Mosher R
12-20-89

S.S. Pavement @ P.P. #95

P.P. #95 B.C. in H.H. @ & Reems & Olive Av.

Sta	+	H.	−	Elev.
T.P.105				
	6.10			
TP.104			4.44	
	6.92			
TP.103			4.34	
	6.64			
TP.102			4.12	
	6.33			
TP.101			3.94	
	6.55			
TP.100			4.11	
	6.36			
P.P.#81			5.22	
	87.35		87.35	

P.P.#81 B.C. in H.H.C Reems & Peoria Ave.

Check in "00"

Bench Loop

P.P.#95 TO P.P.#107

GoTen, P

Mosher R

Sta	+	H.I.	−	Elev.
P.P. #95				
	3.13			
TP. 107			6.92	
	4.34			
TP 108			6.39	
	4.11			
TP. 109			6.67	
	3.84			
TP. 110			7.30	
	3.97			
TP 111			6.61	
	4.35			
TP. 112			6.67	
	4.22			
TP. 113			6.96	
	3.92			
S S			4.97	
P.P. 109			5.88	
	5.78			
TP. 113			3.83	
	6.61			
TP 112			3.87	
	6.74			
TP. 111			4.42	

P.P #95 B.C. in H.H. @ Reems & Olive Av.

S.S. Pavement @ P.P. 109

P.P. #109 B.C. in H.H. @ Reems & Northern Av

Sta	+	H.	−	Elev.
TP. 111				
	6.64			
TP. 110			4.01	
	7.11			
TP 109			3.66	
	6.78			
TP. 108			4.23	
	6.09			
TP. 107			4.04	
	6.95			
P.P. #95			3.16	
	84.58		84.62	

P.P. #95 B.C. in H.H @ Reems & Olive Av.

Check in .04 Low

Bench Loop
PP. #54 to P.P #53

OoTen P
Mosher R
12-20-89

Sta	+	HI	-	Elev
P.P. #54				
	6.94			
TP 114			3.22	
	6.52			
TP 115			4.01	
	5.41			
TP 116			4.84	
	5.65			
P.P. 53			4.33	
	4.25			
TP 116			5.56	
	4.74			
TP 115			5.30	
	3.99			
TP 114			6.50	
	3.16			
P.P. #54			6.89	
	40.66		40.65	

P.P. #54 PK. & Reems & Waddell Rd.

P.P. #53 PK Flush @ ¼ cor.

P.P. #54 PK. Flush & Reems & Waddell Rd

Check in .01 Low

Bench Loop.
P.P #81 - To P.P. #80

OoTen, P
Mosher R
12-20-89

Sta	+	Hi	-	Elev
P.P.#81				
	7.16			
TP 117			2.15	
	6.42			
T.P.118			3.71	
	6.09			
P.P.#80			3.62	
	3.55			
TP 118			6.02	
	3.94			
T.P. 117			6.66	
	1.83			
P.P.#81			6.83	
	28.99		28.99	

P.P.#81 BC. in H.H @ Reems & Peoria Av

P.P.#80 P.K. Flush 600+- East 1/4 Cor.

P.P.#81 BC in H.H. @ Reems & Peoria Av.

Ch. in "00"

Bench Loop
P.P. 109 To 108

OoTen, P
Mosher R
12-20-89

S/A	+	H.	−	Elev
P.P. 109				
	7.20			
T.P. 119			3.56	
	6.27			
TP 120			3.22	
	6.69			
TP 121			3.48	
	5.78			
S. S			3.99	
P.P. #108			4.71	
	4.80			
TP. 121			5.87	
	3.52			
TP. 120			6.71	
	3.19			
TP. 119			6.24	
	3.68			
P.P. #109			7.32	
	41.13		41.11	

P.P. #109 B.C. in H.H. @ Reems & Northern Ave

S.S.

P.P. #108 5/8 Rebar in Pothole Northern & AL sup Ave

P.P. #109 B.C. in HH @ Northern & Reems Rd

Ch. in .02 high

Bench Loop
P.P. 108 TO P.P. #107

OoTen, P
Mosher R
12-21-89

St 4	+	H.	−	Elev
P.P.#108				
	6.24			
TP 122			3.36	
	6.60			
TP 123			2.25	
	5.05			
TP 124			2.72	
	5.13			
S.S			2.72	
P.P.#107			3.49	
	3.35			
TP 124			5.00	
	3.57			
TP 123			5.90	
	2.54			
TP 122			6.87	
	3.59			
PP.#108			6.47	
	36.07		36.06	

P.P.#108	5/8 Rebar in Pothole @ Northern & Alsup.
P.P.#107	½ Rebar in Pothole @ Nother & Sariva!
P.P.# 108	5/8 Rebar in Pothole @ Northern & Alsup
ch. in .01 high	

Bench Loop

TP #9 Page #7
To P.P #90

Bench Loop

TP #24 Page #14
To P.P. 47

Otten P
Mosher R
12-21-89

Sta	+	Hi	−	Elev
T.P. #9				
	4.88			
PP #90			4.73	
	4.66			
T.P #9			4.80	
	9.54		9.53	
T.P #2H				
	5.66			
P.P. #47			3.36	
	2.28			
IP #2H			5.58	
	7.94		7.94	

P.P #90 P.K Flush @ ¼ Cor

ch in .01 high.

P.P #47 Spike Flush @ ¼ Cor

ch in .00

Bench Loop
T.P. #41 Page #23
to P.P. #12

Bench Loop
T.P. #53 Page 27
To P.P #9

DoTen. D
Mosher R
12-21-89

Sta	+	Hi	−	Elev
TP #46				
	4.19			
P.P. #12			4.88	
	4.49			
TP #46			3.79	
	8.68		8.67	
T.P. #53				
	4.48			
P.P. #9			5.68	
	5.23			
T.P. #53			4.03	
	9.71		9.71	

P.P #12 Spike Flush @ 1/4 Cor

ch. in .01 Low

P.P #9 500' +- East of 1/4 Cor (Spike)

ch in .00

Bench Loop
P.P.# 10 To P.P.# 4

OoTen. P.
Mosher R
12-21-89

Sta	+	Hi	-	Elev.
P.P.#10				
	6.90			
TP125			1.42	
	7.10			
TP126			2.91	
	7.25			
TP127			2.90	
	6.52			
TP128			0.89	
	4.93			
TP129			2.06	
	4.97			
TP130			2.37	
	5.51			
TP131			3.82	
	6.63			
TP132			3.19	
	6.35			
TP133			2.12	
	5.49			
TP134			2.79	
	6.17			
TP135			3.86	
	5.72			
TP136			3.18	

P.P.#10 B.C. in H.H. Reems & Beardsley

Sta	+	Ht.	−	Elev
TP136				
	7.35			
TP.137			4.36	
	7.00			
P.P.*4			3.49	
	3.28			
TP 137			6.79	
	4.64			
TP.136			7.64	
	3.13			
TP 135			5.66	
	3.94			
TP 134			6.24	
	2.74			
TP 133			5.44	
	1.97			
TP 132			6.21	
	3.06			
TP131			6.48	
	3.83			
TP130			5.52	
	2.62			
TP129			5.22	
	2.34			
TP.128			5.22	

P.P.*4	Spike	Flush (N.G)	500+	N. of Sec Cor.	

Sta	+	H.	−	Elev.
TP 128				
	1.54			
TP 127			7.18	
	2.31			
TP 126			6.67	
	2.32			
TP 125			6.51	
	2.47			
P.P. #10			7.96	
	128.08		128.08	

P.P. #10 B.C. in M.H. Reems & Beardsley Rd.

Ch. in .00

Bench Loop
P.P. #4 To P.P. #2

GoTen, P
Mosher R
12-22-89

Sta	+	H.	-	Elev.
P.P. #4				
	4.81			
TP 138			4.39	
	4.99			
TP 139			5.74	
	4.17			
TP 140			3.61	
	2.29			
TP 141			3.71	
	4.14			
S.S.			5.81	
P.P. #2			5.66	
	5.47			
TP 141			3.95	
	4.14			
TP 140			2.71	
	3.59			
TP 139			4.15	
	5.63			
TP 138			4.89	
	4.40			
P.P. #4			4.82	
	43.63		43.63	

P.P. #4	Spike Flush N.G.
S.S.	N.G. @ P.P. #2
P.P. #2	5/8 Rebar
P.P. #4	Spike Flush
ch. in	.00

Bench Loop
P.P. #4 To P.P #1

OoTen, P
Mosher R
12-22-82

Sta	+	Hi	-	Elev
P.P.#4				
	6.66			
TP.142			3.51	
	6.24			
TP.143			5.49	
	7.16			
TP.144			3.42	
	6.51			
S.S			2.53	
P.P.#1			1.36	
	1.14			
TP 144			6.29	
	3.00			
TP.143			6.73	
	4.59			
TP.142			5.36	
	3.61			
P.P.#4			6.75	
	38.91		38.91	

P.P.#4 Spike Flush

S.S. N.G.@ P.P.#1

P.P.#1 USGS B.C. Marked B.M 1351.00
DATUM PLX

P.P.#4 Spike Flush

ch. in .00

Bench Loop
P.P. #4 To P.P. #5

OoTen P
Masher R
12-22-89

Sta	+	Hi	−	Elev
P.P.#4				
	3.77			
TP.145			6.20	
	0.77			
TP.146			6.09	
	3.89			
TP.147			6.42	
	3.73			
TP 148			6.72	
	2.82			
TP. 149			5.03	
	3.70			
TP 150			6.36	
	3.82			
TP. 151			6.43	
	2.11			
TP 152			5.72	
	4.06			
P.P.#5			4.77	
	4.08			
TP.152			3.36	
	5.70			
TP. 151			2.08	
	6.43			
TP. 150			3.83	

P.P.#4	Spike	Flush			
P.P.#5	Spike	Flush			

Sta	+	H.	−	Elev
TP 150				
	6.48			
TP 149			3.82	
	5.03			
TP 148			2.82	
	5.98			
TP 147			2.99	
	5.80			
TP 146			3.27	
	6.64			
TP 145			1.31	
	6.52			
PP #4			4.09	
	81.33		81.31	

P.P. #4 Spike Flash

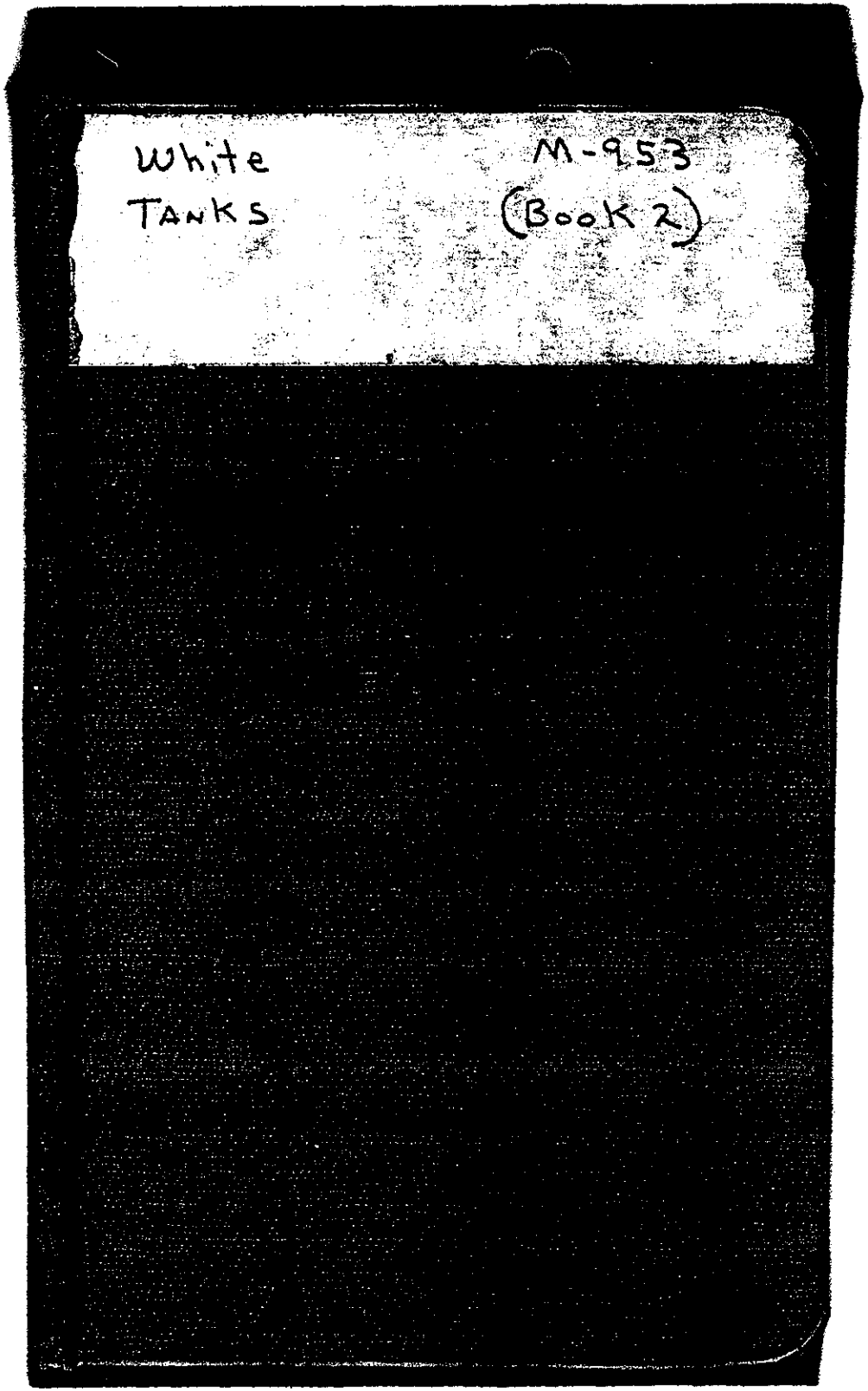
ch in .02 low

Bench Loop
P.P. # 10 To P.P # 11

Ooten, P.
Mosher R
12-22-89

Sta	+	Hi	−	Elev.
P.P. #10				
	6.54			
T.P. 153			1.97	
	0.40			
T.P. 154			6.73	
	2.82			
P.P. #11			3.10	
	2 83			
TP 154			2.55	
	6.91			
TP 153			0.58	
	1,71			
P.P #10			6.28	
	21.21		21.21	

P.P. #10	B.C. HH. Reems & Beardsley Rd.
P.P. #11	PK Flush @ Grand & Beardsley Rd
ch. in	.00


White
M-953
TANKS
(BOOK 2)

Name

MRT

Address SURVEYING & ENGINEERING CO.
2909 W. FAIRMOUNT AVE.

Phone PHOENIX, ARIZONA 85017

This book is published on a fine 50% cotton-content ledger paper, specially treated for maximum archival service, and protected by a water resistant surface sizing.

DT-0659

Projects WATER TANKS

Panel Points	Page	Panel Points	Page
19-20-21	80-82	#57-56	135-136
21-13	83-84	57-42	137-139
21-22	85-86	U.S.G.S. BRASS CAP	139
21-31	87-89	42-33	140-142
31-41	90-92	33-32-31	143-145
#41-#40	93-94	33-323	146-147
#41-#55	95-97	323-44	148-149
#55-#69	98-100	44-43	150
#69-#68	101-102	44-58	151-153
#68-#67	103-104	58-72	154-156
#69-#82	105-107	72-71	157-158
#82-83-84	108-110		
#84-98	111-113		
#98-#97	114-116		
#97-96-95	117-119		
#98-112	120-122		
#112-111-#110	123-125		
110-109	126-128		
84-70	129-131		
70-57	132-134		

ELAN Publishing Co., Inc.
Meredith, N.H. 03253

Projects (continued)

Bench Loop

P.P. 19-20-21

Ooten. P

Mosher. R

12-26-89

Sta	+	Hi	−	Elev
P.P. #19				
	3.83			
TP 155			5.92	
	3.76			
T.P. 156			5.99	
	3.69			
TP. 157			5.92	
	4.12			
P.P. #20			5.85	
	3.78			
T.P. 158			6.50	
	3.39			
TP. 159			5.98	
	4.28			
T.P. 160			6.15	
	2.87			
P.P. #21			6.59	
	6.31			
TP. 160			2.59	
	6.05			
TP. 159			4.18	
	6.03			
T.P. 158			3.43	
	6.53			
P.P. #20			3.80	

P.P. #19	B.C. in	H.H.	Reems	Union Hills	Rd.
P.P. #20	Spike	Flush	+ − ¼	Car	
P.P. #21	Spike	Flush	&	Union Hills	Bullard Ave

Sta	+	H.	-	Elev
P.P.#20				
	5.83			
TP.157			4.09	
	5.93			
TP.156			3.69	
	5.69			
TP.155			3.46	
	5.82			
P.P.#19			3.74	
	77.91		77.88	

P.P.#19 B.C. in H.H. Reems & Union Hills

ch. in. .03 high

Bench Loop
P.P. #21 To P.P. #13

OoTen. P
Mosher R
12-26-89

S/A	+	H.	-	Elev
P.P. #21				
	4.92			
T.P.161			2.51	
	4.59			
T.P.162			2.27	
	5.68			
TP.163			3.35	
	6.03			
TP.164			3.62	
	6.33			
P.P.#13			0.63	
	0.90			
T.P.164			6.60	
	3.68			
TP.163			6.09	
	3.35			
TP.162			5.68	
	2.27			
TP.161			4.58	
	2.48			
P.P.#21			4.89	
	40.23		40.22	

P.P.#21	Spike	Flush	Union	Hills	Bullard Ave

P.P.#13	Spike	Flush	Grand	Ave	Beardsley

P.P.#21

ch. in. .01 high

Bench Loop
P.P. #21 To P.P. #22

OoTen P
Mosher R
12-26-89

S/A	+	HI	-	Elev
P.P. #21				
	2.11			
T.P. 165			5.47	
	4.23			
TP. 166			5.50	
	4.55			
TP. 167			5.55	
	4.72			
P.P. # 22	~~4.89~~		5.09	
	4.89			
TP. 167			452	
	5.25			
T.P. 166			4.25	
	5.36			
TP. 165			4.09	
	5.28			
P.P. #21			1.92	
	36.39		36.39	

P.P. #21 Spike Flush & Bullard & Union Hills

P.P. #22 Spike Flush Union Hills & Grand Ave

P.P. #21

ch in. .00

Bench Loop
P.P. #21 To P.P #31

OoTen P
Mosher R
12-26-89

Sta	+	Ht	-	Elev
P.P. #21				
	3.39			
T.P.168			5.34	
	4.46			
T.P.169			6.04	
	2.35			
T.P.170			6.64	
	2.76			
T.P.171			5.97	
	3.05			
T.P.172			7.01	
	4.52			
T.P.173			6.54	
	3.24			
T.P.174			6.66	
	5.16			
S.S			4.27	
P.P. #31			4.87	
	4.66			
T.P.174			4.94	
	6.59			
T.P.173			3.18	
	6.24			
T.P.172			4.22	

P.P. #21 Spike & Union Hills & Bullard Ave.

S.S. : Pavement @ P.P. # 31

P.P #31 B.C. in H.H. Bell Rd. & Bullard Ave

Sta	+	Hi	-	Elev.
TP. 172				
	6.69			
TP 171			2.73	
	5.79			
TP 170			2.59	
	6.32			
TP 169			2.03	
	5.76			
TP. 168			4.17	
	5.27			
P.P # 21			3.32	
	76.25		76.25	

P.P # 21 SPike Flush @ Union Hills & Bullard Av.

ch. in .00

Bench Loop
P.P. #31 To PP. #41

OoTen, P
Mosher, R
12-27-89

Sta	+	H.	-	Elev
P.P. #31				
	4.20			
TP 175			6.31	
	3.89			
TP 176			6.60	
	3.76			
TP 177			5.60	
	4.48			
TP 178			5.68	
	3,86			
TP 179			6.91	
	3.26			
TP 180			6.43	
	3.41			
TP 181			6.18	
	3.67			
P.P. #41			8.50	
	8.41			
TP. 181			3.57	
	5.94			
TP. 180			3.17	
	6.32			
TP. 179			3.14	
	6.67			
TP. 178			3.63	

P.P. #31	B.C. in HH @ Bullard & Bell				Rd
P.P. #41	Spike Flush @ Bullard & Greenway				

S/A	+	-	Elev
TP 178			
	5.50		
TP 177			4.30
	5.38		
TP 176			3.53
	6.50		
TP 175			3.78
	6.41		
P.P.* 31			4.30
	81.66		81.63

P.P.* 31 B.C. in N.H. Bullard & Bell Rd

Ch. in .03 high

Bench Loop
P.P. #41 To PP #40

©Oten, P
Mosher R
12-27-89

Sta	+	Hi	-	Elev
P.P.#41				
	5.18			
TP 182			4.38	
	6.12			
TP 183			4.39	
	6.62			
TP 184			4.37	
	6.37			
P.P.#40			1.22	
	0.96			
TP 184			6.11	
	4.20			
TP 183			6.45	
	4.17			
TP 182			5.90	
	4.16			
P.P.#41			4.97	
	37.78		37.79	

P.P.#41 Spike Flush Bullard & Greenway

P.P.#40 Spike Flush @ ¼ cor. Greenway Rd

P.P.#41

ch in. .01 Low

Bench Loop

P.P. # 41 To PP # 55

OoTen P
Mosher R
12-27-89

Sta	+	HI	-	Elev
P.P.#41				
	2.35			
TP 185			7.07	
	3.45			
TP 186			6.14	
	3.55			
TP 187			5.45	
	3.79			
TP.188			5.52	
	3.83			
TP189			5.26	
	3.19			
TP 190			6.64	
	3.02			
TP. 191			6.45	
	4.16			
P.P.#55			6.67	
	6.40			
TP.191			3.88	
	6.06			
TP.190			2.63	
	6.50			
TP.189			3.05	
	5.17			
TP.188			3.73	

P.P.#41	Spike Flush Bullard & Greenway Rd				
P.P.#55	P.K. Flush @ Bullard & Waddell Rd				

Sta	+	H.	−	Elev
TP 188				
	5.36			
TP 187			3.63	
	5.36			
TP 186			3.45	
	6.10			
TP 185			3.40	
	6.81			
P.P. #41			2.09	
	75.10		75.06	

P.P. #41 Spike Flush @ Bullard & Greenway

ch. in. .04 high

Bench Loop
P.P. # 55 to P.P. # 69

OoTen, P
Mosher R
12-27-89

Sta	+	H.	-	Elev
P.P.#55				
	1.89			
TP 192			4.77	
	2.12			
TP 193			7.85	
	2.06			
TP 194			5.42	
	1.68			
TP 195			5.57	
	2.67			
TP 196			5.01	
	1.74			
TP 197			5.06	
	2.41			
TP 198			4.93	
	3.03			
SS.			5.61	
P.P.#69			6.44	
	6.23			
TP 198			2.83	
	4.66			
TP 197			2.14	
	4.99			
TP 196			1.67	

P.P.#55	P.K Flush @ Bullard & Greenway Rd.
S.S	Pavement @ P.P. # 69
P.P. #69	Spike in Pothole Bullard & Cactus

Sta	+	H.	-	Elev
TP.196				
	4.37			
TP.195			2.04	
	5.18			
TP 194			1.28	
	4.82			
TP.193			1.46	
	6.39			
TP.192			0.66	
	5.68			
P.P.#55			2.79	
	59.92		59.92	

P.P#55 P.K. Flash @ Bullard & Waddell Rd.

ch in. .00

Bench Loop
P.P. #69 To P.P. #68

OoTen. P
Mosher R
12-27-89

S/A	+	H.I.	-	Elev.
P.P. #69				
	7.27			
TP. 199			4.15	
	5.87			
TP. 200			3.67	
	6.63			
TP. 201			3.77	
	6.71			
P.P. #68			3.45	
	3.21			
TP. 201			6.47	
	3.68			
TP. 200			6.54	
	3.52			
TP. 199			5.72	
	4.00			
P.P. #69			7.11	
	40.89		40.88	

P.P. #69 Spike in Pothole Bullard & Cactus

P.P. #68 P.K. Flush @ 1/4 Cor. on Cactus.

P.P. #69

ch. in. .01 high

Bench Loop
P.P. #68 To P.P. #67

OoTen, P
Mosher R
12-28-89

Sta	+	H.	−	Elev.
P.P.#68				
	5.31			
TP 202			4.45	
	5.55			
TP 203			3.54	
	6.43			
TP 204			4.08	
	4.31			
P.P.#67			5.29	
	5.05			
TP 204			4.07	
	3.89			
TP 203			6.24	
	3.37			
TT 202			5.37	
	4.33			
P.P.#68			5.20	
	38.24		38.24	

P.P.#68	P.K Flush ¼ Cor on Cactus				
P.P.#67	P.K & Cactus & Reems Rd				
P.P.#68					
ch. in	.00				

Bench Loop
P.P. #69 To P.P. #82

OoTen. P
Mosher R
12-28-89

Sta	+	H.	-	Elev
P.P.#69				
	3.90			
T.P. 205			5.76	
	3.70			
TP. 206			5.77	
	3.69			
TP. 207			5.99	
	4.29			
TP. 208			6.24	
	4.36			
TP 209			6.49	
	4.38			
TP 210			5.59	
	3.61			
TP. 211			5.57	
	4.42			
S.S.			5.52	
P.P.#82			6.18	
	5.92			
TP. 211			4.15	
	5.45			
TP. 210			3.47	
	5.58			
TP. 209			4.37	

P.P.#69	Spike in	Pothole	Bullard & Cactus	

S.S. Pavement @ P.P.#82

P.P.#82 Pipe in Pothole @ Bullard & Peoria Ave

Sta	+	Ht.	−	Elev.
TP209				
	6.35			
TP208			4.22	
	6.13			
TP207			4.16	
	5.94			
TP206			3.65	
	5.80			
TP.205			3.74	
	6.01			
P.P. #69			4.14	
	79.53		79.49	

P.P. #69 Spike in Pothole @ Bullard & CACTUS

ch. in .04 high

Bench Loop

P.P. #82 To 83 To 84

OoTen, P

Mosher R

12-28-89

Sta.	+	H.	−	Elev
P.P.# 82				
	4.25			
TP.212			5.84	
	4.16			
TP 213			6.57	
	4.48			
TP 214			6.18	
	4.02			
TP.215			5,85	
	3.70			
S.S.			5.20	
P.P.#83			5.31	
	3.33			
TP.216			5.87	
	4.71			
TP.217			5.26	
	4.36			
TP.218			5,75	
	4.34			
S.S.			5,91	
P.P.# 84			6.09	
	5.93			
TP.218			4.17	

P.P.#82 Pipe in Pothole @ Bullard & Peoria Ave

S.S. Pavement @ P.P.# 83

P.P.#83 Iron Bar in Pothole @ 1/4 Cor on Cactus

S.S. Pavement @ P.P.# 84

P.P.# 84 Iron Bar in Pothole @ Cactus & Litchfield Rd

Sta	+	H.	−	Elev
T.P. 218				
	5.63			
T.P. 217			4.24	
	5.22			
T.P. 216			4.66	
	5.84			
P.P. #83			3.31	
	5.26			
T.P. 215			3.64	
	6.26			
T.P. 214			4.42	
	6.11			
T.P. 213			4.41	
	6.62			
T.P. 212			4.21	
	5.70			
P.P. #82			4.10	
	89.92		89.88	

P.P. #83 Iron Bar

P.P. #82 Iron Pipe @ Cactus & Bullard.

ch. in .04 high

Bench Loop
P.P. #84 To PP 98

OoTen P
Mosher R
12-28-89

Sta	+	Ht.	−	Elev.
P.P. #84				
	3.50			
TP. 219			5.78	
	3.11			
TP 220			7.12	
	3.20			
TP 221			6.26	
	3.51			
TP 222			5.81	
	4.17			
TP 223			6.23	
	3.72			
TP 224			5.85	
	4.27			
TP 225			5.60	
	3.51			
P.P. #98			5.47	
	5.45			
TP. 225			3.48	
	4.94			
TP. 224			3.61	
	5.31			
TP. 223			3.19	
	6.04			
TP. 222			3.97	

P.P. #84 Iron Bar in Pothole - Cactus - Litchfield

P.P. #98 Iron Bar Flush Litchfield & Olive

Sta	+	H.	−	Elev
TP 222				
	5.87			
TP 221			3.58	
	6.05			
TP 220			3.00	
	7.18			
TP 119			3.18	
	5.07			
P.P.# BH			2.79	
	74.90		74.92	

P.P.# BH Iron Bar in Pothole Litchfield & Peoria Ave

ch. in .02 Low

Bench Loop
P.P. 98 to P.P. 97

OoTen P
Mosher R
12-28-89

S ∠ A	+	Ht.	−	Elev
P.P.=98				
	5.06			
TP 226			4.25	
	5.66			
TP 227			3.96	
	5.29			
TP 228			4.30	
	6.09			
TP 229			3.25	
	6.01			
TP 230			4.61	
	5.06			
TP 231			4.82	
	5.12			
TP 232			4.99	
	4.99			
P.P.=97			5.17	
	4.95			
TP. 232			4.76	
	4.74			
TP. 231			4.87	
	4.63			
TP. 230			4.87	
	4.51			
TP. 229			5.92	

P.P. = 98 Iron Pipe Flush Litchfield & Olive

P.P. 97 P.K. Flush & olive & Bullard

Sta	+	Ht.	−	Elev
TP 229				
	3.14			
TP 228			5.98	
	4.06			
TP 227			5.05	
	3.69			
TP 226			5.40	
	4.42			
P.P. #98			5.23	
	77.42		77.43	

P.P. #98 Iron Pipe Flush Olive & Litchfield Rd

ch. in .01 Low

Beach Loop
P.P. 97-96-95

Ooten, P
Masher R
12-29-89

Sta	+	H.	−	Elev
P.P. 97				
	5.54			
TP. 233			4.43	
	6.01			
TP. 234			4.10	
	6.08			
TP 235			4.51	
	5.92			
P.P. 96			4.04	
	6.09			
TP 236			4.39	
	5.63			
TP 237			4.14	
	5.73			
TP. 238			3.99	
	6.70			
P.P. 95			5.44	
	5.17			
TP. 238			6.43	
	3.66			
TP. 237			5.40	
	3.84			
TP. 236			5.33	
	4.17			
P.P. 96			5.87	

P.P. 97	P.K Flush Olive & Bullard				
P.P. 96	P.K Flush @ ½ Cor on Olive				
P.P. 95	B.C. in HH @ Olive & Reems Rd.				

Sta	+	H.	−	Elev
P.P. #96				
	3.84			
TP 235			5.71	
	4.30			
TP 234			5.87	
	3.83			
TP 233			5.74	
	4.12			
P.P. #97			5.22	
	80.63		80.61	

P.P. #97 PK Flush @ Olive & Bullard

ch. in. .02 high

Bench Loop
P.P. #98 To P.P. 112

OoTen. P
Mosher R
12-29-89

Sta.	+	H.	−	Elev
P.P.#98				
	3.68			
T.P.239			5.41	
	4.19			
TP.240			5.39	
	2.59			
TP.241			5.66	
	2.87			
TP. 242			5.75	
	2.83			
TP.243			6.25	
	3.35			
TP.244			6.02	
	2.41			
TP. 245			4.89	
	3.47			
SS.			4.47	
			4.83	
	4.61			
TP245			3.24	
	4.53			
TP.244			2.04	
	6.15			
TP243			3.48	

P.P.#98 Iron Pipe Flush Litchfield & Olive

S.S. Pavement @ P.P. #112

P.P. #112 B.C. in H.H. @ Litchfield & Northern Ave

Sta	+	H.	−	Elev
IP.243				
	6.22			
IP.242			2.80	
	6.33			
IP.241			3.45	
	6.11			
IP.240			3.04	
	4.86			
IP.239			3.65	
	4.96			
P.P.#98			3.23	
	69.16		69.13	

P.P.#98 Iron Pipe Flush Litchfield & Olive Ave

ch.in .03 high

Bench Loop

P.P. #112 - #111 - #110

OoTen, P

Mosher, R

12-29-89

Sta	+	H.I.	−	Elev
P.P.#112				
	4.45			
TP 246			3.36	
	5.47			
TP 247			2.06	
	4.83			
TP 248			4.86	
	4.67			
P.P.#111			5.01	
	4.76			
TP 249			3.78	
	5.34			
TP 250			3.69	
	5.89			
TP 251			3.78	
	5.10			
S.S.			3.81	
P.P. 110			4.28	
	3.98			
TP 251			4.79	
	3.89			
TP 250			6.00	
	4.16			
T.P. 249			5.81	

P.P.#112 B.C. in H.H. @ Northern & Hitchfield Rd.

P.P.#111 Pk Flush @ ¼ Cor. (NOT PAINTED)

S.S. PAVEMENT @ P.P.#110

P.P.#110 B.C. in H.H. @ Northern & Bullard Ave

Sta	+	H.	−	Elev
T.P. 249				
	3.73			
P.P. #111			4.72	
	5.25			
T.P. 248			4.91	
	5.13			
T.P. 247			5.10	
	2.37			
T.P. 246			5.78	
	4.15			
P.P. #112			5.23	
	73.17		73.16	

P.P. #111 (NOT Painted)

P.P. #112 B.C. in N.W. Litchfield & Northern Ave

ch. in. .01 high

Bench Loop
P.P. 110 To PP 109

Ooten, P
Mosher R
1-2-90

Sta	+	Hi	-	Elev
P.P. 110				
	5.33			
TP. 252			4.84	
	6.03			
TP. 253			5.25	
	5.08			
TP. 254			4.11	
	4.73			
TP. 255			3.65	
	6.09			
TP. 256			4.05	
	5.59			
TP. 257			4.18	
	5.71			
TP. 258			4.34	
	5.29			
P.P. 109			5.15	
	4.98			
TP. 258			5.12	
	4.08			
TP. 257			5.44	
	4.11			
TP. 256			5.52	

P.P. 110 B.C. in H/H. @ Northern & Bullard

P. 255 P.K Flush @ 1/4 Cor. on Northern

P.P. 109 B.C. in H/H. @ Northern & Reems Rd

Sta	+	HI	-	Elev
TP.256				
	4.05			
TP.255			6.08	
	3.38			
TP.254			4.46	
	4.14			
TP.253			5.12	
	4.65			
TP.252			5.42	
	4.65			
P.P.110			5.14	
	77.89		77.87	

P.P.110 B.C. in HH. @ Northern & Bullard

ch. in .02 high

Bench Loop
P.P. 84 To P.P. 70

OoTen, P
Mosher R
1-2-90

Sta	+	H.	-	Elev
P.P. #84				
	6.33			
TP 259			4.34	
	5.89			
TP 260			4.31	
	6.15			
TP 261			3.89	
	5.94			
TP 262			3.23	
	5.94			
TP 263			3.70	
	6.97			
TP 264			4.12	
	5.42			
TP 265			4.41	
	5.89			
P.P. 70			4.21	
	391			
TP 265			5.59	
	4.19			
TP 264			5.20	
	3.86			
TP 263			6.70	

PP 84 Iron Bar in Pot Hole @ Litchfield & Peoria

P.P. 70 B.C. Flush @ Litchfield & Cactus

Sta	+	HI	−	Elev
TP263				
	3.48			
TP262			5.72	
	2.87			
TP261			5.57	
	4.64			
TP260			6.90	
	4.16			
TP259			5.73	
	4.69			
P.P.84			6.68	
	80.35		80.30	

P.P 84 Iron Bar in Pothole Litchfield & Peoria

ch. in .03 high

Bench Loop
P.P. 70 To P.P. 57

OoTen, P
Mosher R
1-2-90

Sta	+	H.	−	Elev
P.P. 70				
	6.38			
TP 266			4.58	
	6.11			
TP 267			3.52	
	6.64			
TP 268			4.01	
	6.43			
TP 269			2.84	
	5.97			
TP 270			4.99	
	6.71			
TP 271			4.53	
	6.49			
TP. 272			3.26	
	6.19			
P.P. 57			3.03	
	2.88			
TP. 272			6.03	
	3.22			
TP. 271			6.45	
	3.98			
TP 270			6.16	
	4.73			
TP. 269			5.71	

P.P. 70 B.C. Flush @ Litchfield & Cactus.

P.P. 57 B.C. Flush @ Litchfield & Waddell Rd

Sta	+	H.	−	Elev
TP.269				
	2.83			
TP.268			6.42	
	3.81			
TP 267			6.45	
	3.41			
TP. 266			6.01	
	4.66			
PP.*70			6.45	
	80.44		80.44	

TP 70 B.C. Flush @ Litchfield & CActus

Bench Loop
p.p. 57 To 56

OoTen, P
Mosher R
1-3-90

Sta	+	Hi	−	Elev
P.P 57				
	6.22			
TP.273			3.67	
	6.31			
TP274			2.97	
	5.73			
TP275			2.86	
	4.89			
P.P.#56			2.75	
	2.53			
TP.275			4.66	
	2.08			
TP.274			4.95	
	2.35			
TP.273			5.68	
	3.56			
P.P.57			6.11	
	33.67		33.65	

P.P.57	B.C. Flush @ Waddell & Litchfield Rd				
P.P.#56	P.K Flash @ ¼ Cor on			Waddell	Rd.
ch. in	.02 high				

Bench Loop
PP 57 - To P.P 42

OoTen P
Mosher R
1-3-90

Sta	+	Hi	-	Elev
P.P.57				
	6.28			
T.P.276			3.72	
	6.43			
TP.277			3.28	
	6.23			
TP.278			3.42	
	7.07			
TP.279			4.07	
	6.87			
TP.280			3.63	
	6.72			
TP.281			3.22	
	7.10			
TP.282			3.59	
	6.62			
P.P.42			3.63	
	3.42			
TP.282			6.40	
	3.80			
TP.281			7.30	
	3.65			
TP.280			7.14	

P.P.57 B.C. Flush @ Litchfield & Waddell

P.P. 42 B.C. Flush @ Litchfield & Greenway

Sta	+	Hi	-	Elev
TP.280				
	3.80			
TP.279			7.04	
	4.29			
TP.278			7.29	
	3.59			
TP.277			6.39	
	3.53			
TP.276			6.68	
	3.71			
P.P.#57			6.27	
	83.11		83.07	
P.P.#57				
	5.63			
T.B.M			4.77	
	4.83			
P.P.57			569	
	9.46		9.46	

P.P. 57 B.C. Flush @ Litchfield & WAddell

ch in .04 high

P.P57 B.C Flush @ Litchfield & WAddell

TB.M. U.S.G.S Brass Cap.
Marked 47-C 1955
Elev 1171.00

Bench Loop
P.P. 42 To P.P. = 33

O. Ten, P
Mosher R
1-3-90

S/A	+	H.	−	Elev
P.P. #42				
	5.67			
TP 283			2.66	
	6.23			
TP 284			3.75	
	7.16			
TP 285			3.24	
	5.11			
TP 286			3.80	
	6.26			
TP 287			3.18	
	4.77			
TP 288			4.36	
	6.21			
TP 289			3.88	
	5.62			
S.S			3.49	
P.P. 33			4.01	
	3.88			
TP 289			5.49	
	3.53			
TP 288			5.85	

P.P. 42 B.C. Flush @ Litchfield & Greenway Rd

S.S. Pavement @ P.P. 33

P.P. 33 B.C. in HH @ Litchfield & Bell Rd.

Sta	+	Ht.	−	Elev
TP 288				
	4.15			
TP 287			4.56	
	3.41			
TP 286			6.48	
	3.46			
TP 285			4.78	
	1.95			
TP 284			5.87	
	3.30			
TP 283			5.78	
	3.48			
P.P. 42			6.48	
	74.19		74.17	

P.P. 42 B.C. Flush @ Litchfield & Greenway

ch. in .02 high

Bench-top
P.P33-32-31

OoTen, P
Mosher R
1-3-90

Sta	+	Ht.	−	Elev
P.P. 33				
	7.15			
TP. 290			3.92	
	5.80			
TP. 291			3.87	
	5.73			
TP 292			3.75	
	5.58			
SS			3.30	
P.P. 32			3.94	
	5.91			
TP. 293			3.30	
	5.99			
TP 294			2.47	
	6.78			
TP. 295			2.45	
	6.43			
P.P. # 31			3.36	
	3.14			
TP. 295			6.21	
	2.41			
TP. 294			6.74	

P.P. 33 B.C. in H.H @ Bell & Litchfield Rd.

S.S Pavement @ P.P. # 32

P.P. 32 B.C. in H.H. @ 1/4 Cor on Bell Rd.

P.P. 31 B.C. in HH @ Bell & Ballard

Sta	+	Hi	−	Elev
TP 294				
	2.39			
TP 293			5.93	
	3.39			
P.P. 32			6.00	
	4.09			
TP 292			5.72	
	3.52			
TP 291			5.49	
	3.40			
TP 290			5.33	
	3.48			
P.P. 33			6.73	
	75.19		75.21	

P.P. 33 B.C. in HH @ Bell Rd & Litchfield Rd.

ch. in .02 low

BENCH LOOP
33 to 323

D. FREY T
C. MOXLEY ~~O~~
1-4-90

1-4-90
D. Frey T.
C. Moxley B

147

STA	+	HI	-	EL
33				
	5 51			
TP 296			5 69	
	3 63			
TP 297			5 28	
	3 75			
TP 298			3 78	
	1 18			
TP 299			6 27	
	3 44			
TP 300			6 84	
	3 77			
P. # 323			5 92	
	5 67			
TP 300			3 43	
	6 65			
TP 299			3 26	
	6 07			
TP 298			0 98	
	3 66			
TP 297			3 65	
	5 32			
TP 296			3 70	
	5 47			
P. 33			5 30	

	B.C. IN H.H	BELL & LITCHFIELD RD.		
	B C	FLUSH	BELL & DYSART	
54.12	54.10	CK IN	0.02 HI	

STA	+	HI	—	EL.

1-4-90
C. Moxley π
D. Frey ⊖

323 to # 44

STA	+	HI	−	EL	ADJEL
# 323	3.57				
TP301			6.955		
	3.50				
TP 302			6.27		
	1.93				
TP 303			7.07		
	3.29				
TP 304			7.075		
	3.10				
TP 305			6.98		
	3.33				
# 44			9.97		
			9.55		
	9.66				
305			3.02		
	6.99				
304			3.095		
	7.16				
303			3.375		
	8.32				
302			3.16		
	6.36				
301			3.595		
	6.99				
# 329			3.585		

BIC Flush Bell & Dysart

BIC IN H.H. Dysart & G.Way
S.Slot - Rim.

+	−			
64.20	64.15	CK IN 0.05	HIGH	

1-4-90
D. Frey
C. Maxey

BENCH LOOP
44-43

STA	+	HI	-	EL	ADJ EL
# 44	5.35				
			~~3.63~~		
TP 306	~~7.05~~		3.63		
	7.05				
TP 307			2.47		
	6.66				
TP 308			3.80		
	6.92				
#43			3.59		
	3.75				
308			7.08		
	3.82				
307			6.68		
	3.32				
306			7.91		
	2.25				
#44			3.97		
	39.12		39.13		
	CK. IN 0.01		LOW		

B/C N.H. DYSART & G.WAY

#44 to #43
1-4-90
C.M.T
D.F.S

NAIL & PANEL -

B/C N.H. DYSART & G.WAY.

Bench Loop
PP. # 44 To PP # 58

Ooten P
Mosher R
1-5-90

S/A	+	H.I.	−	Elev.
P.P. #44				
	3.28			
TP 309			5.28	
	2.54			
TP 310			4.21	
	3.03			
TP 311			5.32	
	3.07			
TP 312			4.17	
	3.29			
TP 313			4.17	
	2.29			
TP 314			5.61	
	3.26			
TP. 315			4.89	
	3.41			
TP. 316			4.44	
	3.52			
P.P. #58			5.05	
	4.78			
TP 316			3.25	
	4.13			
TP 315			3.10	

P.P. 44 B.C. H/H @ Greenway & DySART

P.P. 58 P.K. Flush @ DySART & Waddell Rd

Sta	+	H.	−	Elev
TP 315				
	4.49			
TP 314			2.87	
	5.17			
TP 313			1.85	
	3.69			
TP 312			2.81	
	3.77			
TP 311			2.68	
	5.13			
TP 310			2.85	
	4.08			
TP 309			2.41	
	5.19			
P.P.#44			3.19	
	68.12		68.15	

P.P.#44 B.C. in HH @ Dysart & Greenway Rd

ch. in .03 Low

Bench Loop
P.P. #58 To P.P. 72

Ooten, P
Mosher, R
1-5-90

STA	+	HI	−	Elev
P.P.#44				
	0.92			
TP.317			6.55	
	3.51			
TP.318			5.43	
	4.41			
TP.319			5.66	
	5.27			
TP.320			4.96	
	3.43			
TP.321			6.30	
	2.91			
TP.322			7.25	
	2.64			
TP.323			5.86	
	3.07			
P.P.#72			5.59	
	5.29			
TP.323			2.75	
	5.33			
TP.322			2.10	
	6.81			
TP321			2.47	

P.P.44 P.K. Flush @ Dysart & Waddell Rd

P.P.72 Nail Flush @ Dysart & Cactus Rd

Sta	+	Hi	-	Elev
TP 321				
	5.77			
TP 320			2.89	
	4.05			
TP 319			4.36	
	5.02			
TP 318			3.77	
	5.44			
TP 317			3.53	
	6.65			
P.P. #58			1.02	
	70.52		70.49	

P.P. 58 P.K Flush @ Dysart & Waddell Rd.

ch. in .03 high

Bench Loop
P.P.72 To P.P.#71

OoTen, P
Mosher, R
1-5-90

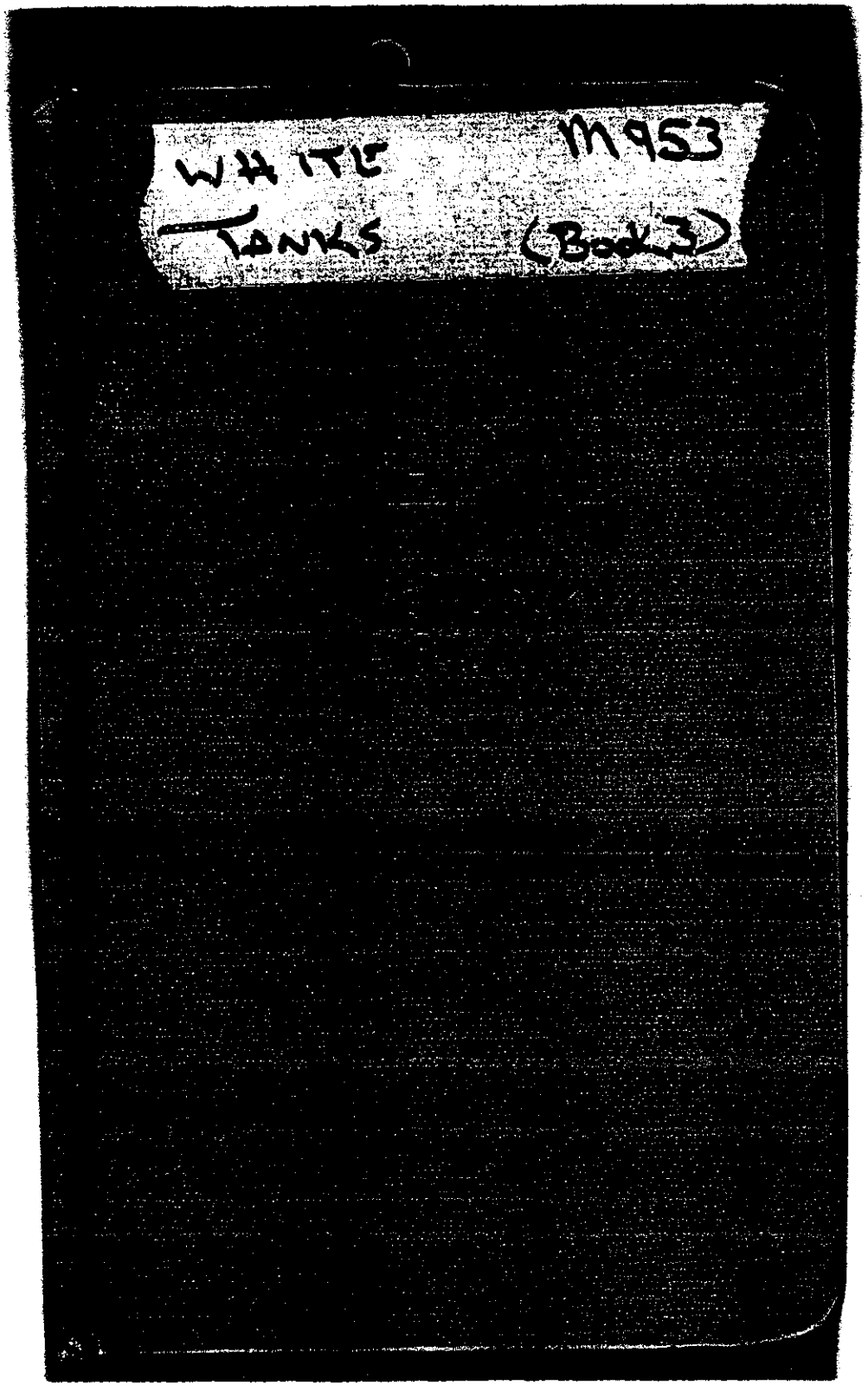
Sta	+	Hi	−	Elev
P.P 72				
	3.69			
TP. 324			4.60	
	5.08			
TP. 325			4.23	
	6.15			
TP. 326			4.17	
	6.16			
P.P. 71			2.15	
	1.84			
TP. 326			5.83	
	3.68			
TP. 325			5.67	
	3.80			
TP. 324			4.65	
	4.47			
P.P. #72			3.56	
	34.87		34.86	

P.P. 72 Nail Flush @ Dysart & Cactus

P.P. 71 Nail Flush @ ¼ Cor on Cactus

P.P. #72

ch. in .01 high


WHITE
TANKS
M953
(Book 3)

Name MRT

SURVEYING & ENGINEERING CO.

Address 2909 W. FAIRMOUNT AVE.
PHOENIX, ARIZONA 85017

Phone

This book is published on a fine 50% cotton-content ledger paper, specially treated for maximum archival service, and protected by a water resistant surface sizing.

DT-0659

M953

Projects WHITE TANKS (Book 3)

Panel Point #	Page	Phase # 2 Panel Point's	Page
71-70	159-160	154-167	1-3
72-85	161-163	167-TP #15	4-6
85-100	164-166	TP15-182-181	7-9
100-99	167-168	181-TP 29	10-12
100-113	169-171	TP 29-175-164	13-15
113-112	172-174	164-165-166	16-18
22-23	175-177	166-152	19-21
113-114-115	178-180	152-153-154	22-24
TP 378	179	152-151	25-27
TP 378-101	181-183	151-150	28-30
101-102	184-185		
101-87	186-188		
87-73	189-190		
73-60	191-193		
60-59-58	194-196		
60-326	197-199		
60-45	200-202		
45-325	203-204		
325-324-323	205-207		

ELAN Publishing Co., Inc.
Meredith, N.H. 03253

Projects (continued) .....

Bench Loop
P.P. #71 To #70

OoTen, P.
Mosher, R.
1-8-90

Sta	+	HI	-	Elev.
P.P.#71				
	4.55			
TP.327			4.63	
	5.78			
TP.328			3.76	
	5.65			
TP.329			3.37	
	5.12			
P.P.#70			3.37	
	3.05			
TP.329			4.81	
	3.55			
TP.328			5.84	
	3.91			
TP.327			5.92	
	4.67			
P.P.#71			4.59	
	36.28		36.29	

P.P.#71 Nail Flush @ ¼ Cor on Cactus

P.P. 70 B.C. Flush @ Cactus & Litchfield Rd.

ch. in .01 Low

Bench Loop
P.P. #72 to #85

OoTen, P
Mosher, R
1-8-90

STA	+	Hi	-	Elev
P.P. # 72	S.			
	0.95			
TP. 330			5.55	
	4.25			
TP. 331			4.93	
	3.69			
TP. 332			6.24	
	4.20			
TP. 333			6.29	
	3.03			
TP. 334			5.68	
	2.83			
TP. 335			5.21	
	3.47			
TP. 336			5.23	
	3.30			
S.S			4.94	
P.P. 85			5.34	
	4.97			
TP. 336			2.91	
	4.75			
TP. 335			3.00	
	5.55			
TP. 334			3.18	

P.P. 72 Nail Flush @ Dysart & Cactus

S.S. Pavement P.P. # 85

P.P. 85 B.C. in Hh. @ Dysart & Peoria Ave

Sta	+	Hi	−	Elev
TP 334				
	5.97			
TP 333			3.30	
	6.41			
TP 332			4.31	
	6.14			
TP 331			3.59	
	4.89			
TP 330			4.23	
	5.35			
PP# 72			0.75	
	69.75		69.74	

PP 72 Nail Flush @ Dysart & Cactus

ch. in .01 high

Bench Loop
P.P. #85 To PP #100

OoTen, P
Mosher, R
1-8-90

Sta	+	Hi	−	Elev
P.P.#85				
	1.64			
TP. 337			6.43	
	3.46			
TP. 338			5.96	
	4.40			
TP. 339			5.90	
	4.40			
TP. 340			5.80	
	4.69			
TP 341			5.65	
	4.54			
TP. 342			5.58	
	4.21			
TP. 343			6.02	
	3.99			
S.S.			6.44	
P.P.#100			6.76	
	6.50			
TP. 343			3.73	
	4.43			
TP. 342			2.62	
	4.34			
TP. 341			3.28	

P.P. 85 B.C. in H.H. @ Dysart & Peoria

S. S. Pavement @ P.P. #100

P.P. 100 B.C. in H.H. @ Dysart & Olive Ave

Sta	+	Hi	−	Elev
T.P.341				
	4.45		~~3.49~~	
TP.340			3.49	
	4.98			
TP.339			3.58	
	5.01			
TP. 338			3.49	
	5.59			
TP.337			3.08	
	5.88			
P.P.#85			1.10	
	72.51		72.47	

P.P. 85 B.C. in HH @ Dysart & Peoria

ch. in .04 high

Bench Loop
PP#100 To PP#99

OoTen, P
Mosher, R
1-8-90

Sta	+	H_i	−	Elev.
P.P. #100				
	5.81			
TP 344			4.34	
	5.24			
TP 345			5.35	
	4.48			
TP 346			3.79	
	5.01			
P.P. #99			2.57	
	2.13		~~2.13~~	
TP 346			4.57	
	3.56			
TP 345			4.24	
	4.66			
TP 344			4.55	
	3.60			
P.P. #100			5.08	
	34.49		34.49	

P.P. 100 B.C. in H.H. @ Dysart & Olive

P.P 99 Iron Bar Flush @ 1/4 Cor on Olive

ch. in .00

Bench Loop
P.P. #100 To P.P. #113

Oo Ten, P
Mosher R
1-8-90

Sta	+	H.	-	Elev
P.P.#100				
	2.85			
TP.347			5.66	
	3.33			
TP.348			5.09	
	2.57			
TP349			5.15	
	3.25			
TP350			5.25	
	4.47			
TP351			5.48	
	4.57			
TP352			5.89	
	4.83			
TP353			5.86	
	3.57			
S.S.			4.75	
P.P.#113			4.62	
	4.79			
TP353			3.77	
	4.73			
TP.352			3.70	

P.P.#100 B.C. in HH @ Dysart & Olive

S.S Pavement @ P.P.#113

P.P. 113 B.C. in HH @ Dysart & Northern

1-9-90

OoTen, P

Mosher R

Sta	+	H.	-	Elev
TP.352				
	4.90			
TP.351			3.57	
	4.34			
TP.350			3.31	
	5.26			
TP.349			3.26	
	5.62			
TP348			3.04	
	5.24			
TP347			3.47	
	5.41			
P.P#100			2.59	
	69.73		69.71	

P.P. 100 B.C. in HH@ Dysart & Olive

ch. in .02 high

Bench Loop
P.P.# 113 To P.P.# 112

Sta	+	Hi	−	Elev
P.P.# 113				
	4.89			
TP. 354			4.37	
	4.96			
TP. 355			4.31	
	5.19			
TP. 356			4.21	
	5.67			
TP. 357			4.60	
	4.76			
TP. 358			3.85	
	6.36			
TP. 359			5.03	
	5.24			
TP. 360			4.61	
	4.27			
P.P. 112			3.66	
	3.47			
TP 360			4.07	
	4.33			
TP. 359			4.95	
	5.39			
TP. 358			6.73	

P.P. 113 B.C. in HH @ Dysart & Northern

T.P. 357 Rim of H.H. @ 1/4 Cor on Northern

P.P 112 B.C. in HH @ Northern & Reems Rd

Sta	+	HI	-	Elev
TP 358				
	3.93			
TP 357			4.83	
	4.74			
TP 356			5.81	
	3.95			
TP 355			4.97	
	4.32			
TP 354			4.97	
	4.39			
P.P.# 113			4.91	
	75.86		75.88	

P.P. 113 B.C. in HI @ Northern & Dysart

ch. in .02 Low

Bench Loop
P.P # 22 To PP # 23

OoTen, P
Mosher R
1-9-90

Sta	+	Hi	-	Elev
P.P.#22				
	5.77			
TP 361			3.20	
	6.54			
TP 362			4.31	
	9.99			
TP 363			0.98	
	3.50			
TP 364			5.81	
	2.11			
TP 365			8.40	
	2.51			
TP 366			5.92	
	4.06			
TP 367			6.43	
	2.98			
TP 368			6.98	
	2.81			
TP 369			7.63	
	2.89			
TP 370			6.78	
	6.40			
TP 371			4.67	
	4.09			
P.P.#23			3.82	

P.P.#22 Nail Flush @ Union Hills & Grand

P.P.#23 B.C. Flush @ Franciscan & Tartan Dr.

Sta	+	Hi	−	Elev
P.P.#23				
	3.55			
TP.371			3.83	
	4.42			
TP.370			6.14	
	6.87			
TP.369			2.99	
	7.28			
TP.368			2.45	
	6.79			
TP.367			2.79	
	6.41			
TP.366			4.04	
	5.96			
TP365			2.54	
	7.94			
TP364			1.66	
	5.87			
TP.363			3.55	
	0.84			
TP.362			9.84	
	4.30			
TP.361			6.53	
	3.05			
P.P.#22			5.63	
	116.93		116.92	

P.P.#22 Nail Flush @ Union Hills & Grand
ch. in , or high

Beach Loop
P.P. 113 - 114 - 115

OoTen P
Mosher R
1-10-90

Sta	+	H.I.	−	Elev	
P.P.#113					
	4.72				
TP 372			5.25		
	3.97				
TP373			4.62		
	3.60				
TP 374			3.41		
	4.11				
P.P.114			2.50		
	5.46				
TP375			3.86		
	5.01				
TP376			1.72		
	6.12				
TP377			2.68		
	4.97				
TP378			4.46		
	3.56				
TP379			11.63		
	0.27				
P.P.#115			7.03		
	7.33				
TP379			0.57		
	11.09				
TP378			3.01		

P.P.113 B.C. in MH @ Northern & Dysart

P.P.114 Rim = Pavement

TP 378 B.C. in MH. @ Northern & El Mirage Rd

P.P.115 PK Flush @ ½ cor on Northern

S/A	+	Hi	−	Elev
TP 378				
	4.36			
TP 377			4.86	
	2.85			
TP 376			6.29	
	2.47			
TP 375			5.77	
	4.49			
P.P. 114			6.08	
	3.28			
TP 374			4.88	
	3.65			
TP 373			3.84	
	4.87			
TP. 372			4.21	
	4.81			
P.P. #113			4.28	
	90.99		90.95	

P.P. 113 B.C. in MH @ Northern & Dysart

ch. in .04 high

Bench Loop

(Page 179) T.P. #378 To P.P. #101

Do Ten P

Mosher R

1-10-90

Sta	+	H.I.	-	Elev
TP.#378				
	4.71			
TP. 380			1.42	
	1.96			
TP 381			4.06	
	3.83			
TP 382			3.89	
	4.79			
TP383			3.07	
	4.28			
TP384			2.03	
	476			
TP385			3.26	
	5.74			
SS			3.55	
P.P.#101			390	
	3.64			
TP385			5.47	
	3.18			
TP384			4.68	
	2.53			
TP383			4.77	
	3.44			
TP382			5.15	

TP. 378 B.C. in H.H. @ Northern & EL Mirage

S.S. PAVEMENT @ PP#101

P.P. 101 B.C. in HH @ EL MirAge & Olive

Sta	+	H.	−	Elev
TP382				
	3.85			
TP381			3.79	
	4.68			
TP380			2.57	
	2.10			
TP#378			5.38	
	53.49		53.44	

TP#378 BC. in HH. @ EL Mirage & Northern

ch. in .05 high

Bench Loop
PP #101 - PP #102

OoTen, P
Mosher R
1-10-90

S/A	+	H.	−	Elev
P.P.#101				
	3.08			
TP 386			6.62	
	3.40			
TP 387			5.61	
	~~5.12~~			
			~~5.21~~	
TP 388	3.67			
			0.08	
	5.92			
P.P.#102			3.39	
	3.69			
TP 388			6.22	
	0.11			
TP 387			3.70	
	5.94			
TP 386			3.73	
	6.23			
P.P.#101			2.68	
	32.04		32.03	

P.P.101 B.C. in HH @ El Mirage & Olive

P.P.102 P.K. Flush @ ℄ Bridge on Olive · Agua Fria Riv.

ch. in .01 high

Bench Loop
P.P #101 - PP #87

DoTen, P
Mosher R
1-10-90

Sta.	+	H.	-	Elev
P.P.#101				100
	5.01			
TP 389			4.04	
	5.17			
TP 390			4.72	
	4.95			
TP 391			3.99	
	5.22			
TP 392			3.73	
	5.92			
TP 393			3.87	
	4.85			
TP 394			3.94	
	5.10			
TP 395			4.19	
	5.45			
S.S.			3.33	
P.P.#87			3.79	109.40
	3.63			
TP 395			5.30	
	3.96			
TP 394			4.86	
	3.59			
TP 393			4.50	

P.P. 101 B.C. in HH @ El Mirage & Olive

S.S. Pavement @ P.P. #87

P.P.#87 B.C. in H.H @ El Mirage & Peoria Ave

1-11-90
DoTen P
MosherR

S/A	+	Ht.	-	Elev
TP 393				
	3.62			
TP 392			5.67	
	3.65			
TP 391			5.15	
	3.89			
TP 390			4.86	
	4.51			
TP 389			4.95	
	4.48			
P.P.# 101			5.45	99.99
	73.00		73.01	

P.P. 101 B.C. in H.H. @ El Mirage & Olive Ave

ch. in .01 Low

Sta	+	Hi	−	Elev
P.P.#87				
	5.32			
TP 396			5.50	
	4.36			
TP 397			4.20	
	5.08			
TP 398			4.29	
	5.27			
TP 399			4.29	
	5.42			
TP 400			4.03	
	6.10			
TP 401			3.87	
	6.06			
TP 402			6.34	
	7.23			
TP 403			2.89	
	5.91			
S.S			3.81	
P.P.#73			4.27	
	4.06			
TP 403			5.69	
	2.52			
TP 402			6.85	

Bench Loop P.P.#87 To PP#73 (189)

P.P. 87 B.C. in M.H. @ EL Mirage & Peoria

S.S. Pavement @ P.P.#73

P.P. 73 B.C. in M.H. @ EL Mirage & Cactus

Sta	+	H.	−	Elev
TP. 402				
	6.50			
TP 401			6.22	
	3.78			
TP. 400			6.02	
	4.16			
TP 399			5.54	
	4.06			
TP 398			5.05	
	4.19			
TP 397			4.98	
	4.14			
TP. 396			4.30	
	5.49			
P.P. #87			5.31	
	89.65		89.64	

P.P. 87 B.C. in HH @ ELMirage & Peoria

ch. in .01 high

Bench Loop
P.P. # 73 To PP#60

OoTen, P
Masher, R
1-11-90

Sta	+	H.	-	Elev
P.P.#73				
	5.53			
TP 404			2.76	
	6.05			
TP 405			3.07	
	5.68			
TP 406			3.92	
	5.20			
TP 407			3.14	
	5.68			
TP 408			3.45	
	5.00			
TP 409			3.05	
	5.92			
TP 410			3.13	
	5.54			
S.S			2.91	
P.P.#60			3.51	
	3.30			
TP 410			5.32	
	3.34			
TP 409			6.14	
	3.39			
TP 408			5,33	

P.P 73 B.C. in HH. @ El Mirage & Cactus

S.S. Pavement @ PP 60

P.P. 60 B.C. in HH @ El Mirage & T-Bird

Sta	+	Hi	−	Elev
TP 408				
	3.65			
TP 407			5.88	
	3.50			
TP 406			5.56	
	3.77			
TP 405			5.53	
	3.31			
TP 404			6.29	
	3.11			
P.P. #73			5.88	
	71.97		71.96	

P.P. 73 B.C. in HH @ El Mirage & Cactus

ch. in .01 high

Bench Loop

P.P. 60 - 59 - P.P. 58

OoTen, P

Mosher, R

1-11-90

Sta	+	Hi	−	Elev
P.P. #60				
	5.91			
TP 411			4.78	
	5.52			
TP 412			2.97	
	3.68			
TP 413			4.43	
	5.77			
P.P. #59			3.01	
	5.41			
TP 414			3.58	
	6.85			
TP 415			3.74	
	4.10			
TP 416			4.13	
	5.76			
PP #58			2.77	
	2.57			
TP 416			5.56	
	4.27			
TP 415			4.25	
	3.87			
TP 414			6.97	

P.P 60 B.C. in M.H & EL Mirage & T-Bird

P.P #59 Nail Flush on T-Bird

P.P. 58 PK Flush @ Waddell Rd & Dy's Ant

Sta	+	Ht.	-	Elev
TP 414				
	4.07			
P.P. #59			5.89	
	2.80			
TP 413			5.56	
	4.63			
TP 412			3.88	
	3.06			
TP 411			5.61	
	4.62			
P.P. #60			5.74	
	72.89		72.87	

P.P. #60 B.C. in Hit @ El Mirage & T-Bird

ch. in .02 high

Bench Loop
P.P. #60 To 326

OoTemP
Mosher R
1-11-90

Sta	+	Hi	−	Elev
P.P. #60				
	3.80			
TP 417			9.10	
	1.73			
TP 418			5.61	
	4.69			
TP 419			6.43	
	4.69			
TP 420			5.06	
	4.65			
TP 421			5.68	
	5.28			
TP 422			3.10	
	7.76			
TP 423			6.01	
	3.41			
TP 424			6.91	
	0.26			
TP 425			4.90	
	6.97			
P.P. 326			4.82	
	4.48			
425			6.63	
	5.01			
424			0.36	

P.P. 60 B.C. in HH @ El Mirage & T-Bird

OoTen. P
Mosher R 1-12-90

TP 423 ADOT B.C.(BM) 2346-H 1986
@ Water Tank @ T-Bird & Grand Ave

P.P. 326 Nail Flush @ Sec Cor on T-Bird

Sta	+	Hi	−	Elev
TP 424				
	7.08		3.57	
TP 423				
	0.44		~~2.19~~	
TP 422			2.19	
	3.07			
TP 421			5.24	
	5.77			
TP 420			4.73	
	5.00			
TP 419			4.63	
	6.33			
TP 418			4.61	
	5.53			
TP 417			1.64	
	9.02			
P.P #60			3.72	
	94.97		94.94	

P.P #60 B.C. in HH @ T-Bird Elevation

ch in .03 high

Bench Loop
P.P. #60 to #45

OoTen, P
Mosher, R
1-12-90

Sta	+	Hi	-	Elev
P.P.#60				
	6.34			
TP426			4.54	
	7.26			
TP427			4.64	
	7.04			
TP428			5.99	
	4.65			
TP429			1.68	
	6.89			
TP430			5.42	
	6.80			
TP431			4.15	
	5.66			
S.S.			4.03	
P.P.#45			4.58	
	4.31			
TP431			5.40	
	3.82			
TP430			6.47	
	5.28			
TP429			6.75	

P.P.60 B.C. in H/H. @ El Mirage & T-Bird

S.S Pavement @ P.P. #45

P.P.45 Iron Pipe in Pothole
@ El Mirage & Greenway

Sta	+	Hi	−	Elev
TP 429				
	2.11			
TP 428			5.07	
	6.30			
TP 427			7.35	
	4.37			
TP 426			6.98	
	4.53			
P.P. #60			6.32	
	75.36		75.34	

P.P. 60 B.C. in HH @ El Mirage & T-Bird

ch. in .02 high

Bench Loop PP #45 To #325

Sta	+	Ht.	-	Elev
P.P. #45				
	7.14			
TP 432			1.74	
	6.47			
TP 433			2.44	
	5.76			
TP 434			6.06	
	2.75			
TP 435			4.70	
	10.54			
TP 436			1.87	
	8.17			
TP 437			2.72	
	6.50			
TP 438			3.56	
	6.31			
S.S			2.94	
P.P 325			3.42	
	3.60			
TP 438			6.49	
	3.38			
TP 437			6.31	

PP #5 Iron Pipe in Pothole @ El Mirage & Greenway

DoTen, P
Mosher R
1-12-90

S.S. Pavement @ PP # 325

PP 325 BC. in HH @ El Mirage & Bell Rd

Sta	+	Ht.	−	Elev
TP437				
	2.51			
TP436			7.97	
	2.14			
TP435			10.80	
	4.60			
TP434			2.63	
	6.26			
TP433			5.97	
	2.67			
TP432			6.69	
	1.66			
P.P.#45			7.05	
	80.46		80.42	

P.P.#45 Iron Bar in Pothole @ El Mirage & Greenway Rd

oh. in .04 high

Bench Loop

P.P. #325-324-323

OoTen P

Mosher R

1-13-90

Sta	+	Ht.	−	Elev
P.P.#325				
	5.78			
TP439			3.69	
	5.12			
TP440			4.19	
	5.30			
TP441			4.08	
	5.11			
P.P.324			3.77	
	4.79			
TP442			4.85	
	5.69			
TP443			3.11	
	6.15			
TP444			3.01	
	5.83			
P.P.#323			3.19	
	2.93			
IP.444			5.57	
	3.00			
TP.443			6.14	
	2.74			
TP.442			5.32	

P.P.325 B.C. in H.H. @ Bell Rd & ELMiLage

P.P. 324 P.K. Flush @ R.H Johnson & Bell Rd

P.P. 323 B.C. Flush @ Bell Rd & Dysart

Sta	+	Hi	-	Elev
TP NH2				
	4.64			
P.P. #324			4.58	
	3.77			
TP 441			5.09	
	3.81			
TP 440			5.03	
	4.17			
TP 439			5.10	
	3.61			
P.P. 325			5.69	
	72.44		72.41	

P.P. 325 B.C. in HH @ Ball & El Mirage Rd.

ch. in .03 high

Phase #2

Bench Loop
P.P. #154 To #167

OoTen, P
Mosher, R
1-15-90

Sta	+	H.I.	−	Elev
P.P.#154				
	2.87			
S.S			2.37	
TP#1			5.93	
	2.02			
TP 2			5.46	
	2.13			
TP 3			5.38	
	3.02			
TP 4			6.56	
	2.87			
TP 5			6.17	
	4.89			
TP 6			6.01	
	3.38			
TP 7			6.25	
	3.28			
S.S.			5.30	
P.P.#167			5.73	
	5.43			
TP 7			2.97	
	5.94			
TP 6			3.06	

P.P. 154 B.C. in ~~HH~~ @ Bullard & Camelback Rd

S.S Pavement @ PP #154

SS Pavement @ PP #167

P.P. 167 B.C. in HH @ Bullard & Indian Sch. Rd

Sta	+	Hi	-	Elev
TP #6				
	5.87			
TP 5			4.75	
	5.86			
TP 4			2.55	
	6.30			
TP 3			2.76	
	5.09			
TP 2			1.83	
	5.25			
TP 1			1.80	
	5.89			
P.P #154			2.84	
	70.09		70.05	

ch. in .04 high

P.P. 154 B.C. in HH @ Bullard & Camelback Rd

Bench Loop
P.P. 167 To TP #15

Cotey P
Mosher R
1-15-90

Sta	+	H.I.	−	Elev
P.P. #167				
	1.38			
TP 8			6.65	
	3.16			
TP 9			5.45	
	3.59			
TP 10			4.97	
	4.26			
TP 11			5.69	
	2.68			
TP 12			5.07	
	4.35			
TP 13			4.97	
	4.25			
TP 14			5.52	
	2.87			
TP 15			2.24	
	1.98			
TP 14			2.61	
	6.15			
TP 13			4.87	
	5.79			
TP 12			5.18	

P.P. 167 B.C. in Hd @ Bullard & Indian Sh-Rd

T.P. # 15 B.C. S.E. Cor Bridge @ Bullard & Thomas Rd

Sta	+	HI	−	Elev
TP 12				
	5.36			
TP 11			2.97	
	7.02			
TP 10			5.59	
	5.89			
TP 9			4.49	
	6.87			
TP 8			4.59	
	5.83			
P.P 167			0.56	
	71.43		71.42	
	ch. in .01 high			

P.P. 167 B.C. in HH @ Ballard & Indian Sh. Rd

Bench Loop
TP #15 To 182-181

OoTen P
Mosher R
1-16-90

Sta	+	Hi	−	Elev	
TP #15					TP #15 B.C. @ S.E. Cor. Bridge @ Thomas & Bullard
	1.94				
TP 16			6.03		
	4.85				
TP 17			5.37		
	4.89				
TP 18			5.20		
	4.53				
P.P. 182			3.13		P.P. 182 Hub Flush @ ¼ Cor. on Thomas Rd.
	5.81				
TP 19			4.66		
	4.23				
TP 20			4.70		
	6.09				
TP 21			3.92		
	5.05				
S. S			5.17		
P.P. 181			5.62		P.P. 181 B.C. in HH @ Thomas & Reems Rd
	5.77				
TP 21			5.20		
	4.05				
TP 20			6.23		

Sta	+	H.	-	Elev
TP 20				
	4.07			
TP 19			3.61	
	4.45			
P.P. 182			5.60	
	3.19			
TP 18			4.59	
	5.55			
TP 17			5.23	
	5.60			
TP 16			5.09	
	5.5.4			
TP #15			1:45	
	75.61		75.63	
		CK. IN	.02 LOW	

TP. #15 B.C. @ S.E. Cor Bridge @ Thomas & Bullard

Bench Loop
P.P. #181 To P.P. #29

DoTen, P
Mosher R
1-16-90

Sta	+	H.	−	Elev
P.P. #181				
	5.65			
TP 22			3.53	
	6.40			
TP 23			2.27	
	6.44			
TP 24			4.55	
	5.39			
TP 25			3.73	
	7.03			
TP 26			3.83	
	5.60			
TP 27			5.44	
	5.60			
TP 28			5.39	
	4.91			
TP #29			3.73	
	3.51			
TP 28			4.67	
	5.33			
TP. 27			5.55	
	5.75			
TP. 26			5.90	

P.P. 181 C.C. in H/H @ Thomas & Reem's Rd

TP. 29 Cor. H/H @ N.W. Cor Thomas & Sairval

Sta	+	Hi	−	Elev
TP 26				
	4.23			
TP 25			7.42	
	3.12			
TP 24			4.77	
	4.10			
TP 23			5.99	
	2.51			
TP 22			6.63	
	3.49			
P.P 181			5.61	
	79.06		79.01	

ch. in .05 high

P.P. 181 B.C. in HH @ Thomas & Reems Rd

Bench Loop
TP #29 To PP #175 - 164

OoTeHP
MosherR
1-16-90

Sta	+	Ht.	−	Elev
TP #29				
	4.69			
TP 30			4.03	
	5.75			
TP 31			3.51	
	5.61			
TP 32			3.94	
	5.31			
P.P.#175			2.97	
	6.17			
TP 33			3.49	
	5.66			
TP 34			3.97	
	6.06			
TP 35			3.80	
	4.72			
S.S			2.17	
P.P.#164			2.71	
	2.50			
TP 35			4.51	
	3.54			
TP 34			5.79	

TP #29 Cor H/W N.W. Cor of Thomas & Reem's Rd

P.P. 175 Hub Flush @ 1/4 Cor on Reems Rd

S.S Pavement @ P.P 164

P.P. 164 Iron Pipe in HH @ Sarival & Indian Sh Rd

Sta	+	Hi	−	Elev
TP 34				
	3.79			
TP 33			5.49	
	3.35			
PP #175			6.03	
	3.02			
TP 32			5.35	
	3.81			
TP 31			5.47	
	3.52			
TP 30			5.76	
	4.44			
TP 29			5.10	
	71.94		71.92	
	ch. in .02 high			

TP. 29 Cor H/w @ N.W. Cor. of Thomas & Sahiva Rd.

Benchloop
PP. 164-165-166

OoTen, P
Mosher R
1-17-90

Sta	+	Hi	-	Elev
P.P.# 164				
	2.45			
TP 36			4.54	
	2.89			
TP 37			4.29	
	3.09			
TP 38			5.02	
	4.09			
TP 39			5.35	
	4.52			
P.P. 165			5.33	
	4.52			
TP 40			5.31	
	4.21			
TP 41			5.27	
	4.49			
TP 42			5.82	
	4.66			
TP 43			5.80	
	4.90			
S.S			5.37	
P.P. 166			5.86	

P.P 164 Iron Pipe in HH @ Indian Sh. & Sariva l

P.P. 165 Rim of HH: Pavement @ 1/4 Cor

P.P. 166 B.C. in HH. @ Indian Sh. & Reem's Rd

Sta	+	H.	−	Elev
P.P.166				
	5.63			
TP 43			4.66	
	5.73			
TP 42			4.60	
	5.57			
TP 41			4.23	
	5.64			
TP 40			4.59	
	5.44			
P.P.165			4.65	
	5.31			
TP 39			4.50	
	5.42			
TP 38			4.17	
	5.98			
TP 37			4.04	
	5.50			
TP. 36			4.09	
	6.00			
P.P.164			3.91	
	96.04		96.03	

ch in .01 high

P.P 164 Iron Pipe in HH @ Indian Shé SARIVA

Bench Loop
P.P 166 To 152

OoTen, P
Mosher R
1-17-90

Sta	+	Hi	-	Elev
P.P.166				
	5.86			
TP44			3.45	
	4.48			
TP45			3.08	
	4.51			
TP46			3.39	
	4.75			
TP47			3.49	
	4.85			
TP48			2.31	
	4.86			
TP49			3.57	
	5.55			
~~TP50~~			2.08	
	5.95			
TP51			2.32	
	5.15			
S.S			0.77	
P.P152			1.15	
	0.97			
TP51			4.97	

P.P. 166 B.C. in HH @ Indian Sh & Reems Rd

S.S. Pavement @ P.P. 152

P.P. 152 B.C. in HH @ Reems & Camelback Rd

Sta	+	Ht.	−	Elev
TP 51				
	2.72			
TP 50			6.35	
	2.26			
TP 49			5.73	
	4.12			
TP 48			5.40	
	3.26			
TP 47			5.79	
	4.04			
TP 46			5.29	
	4.23			
TP 45			5.34	
	3.99			
TP 44			5.39	
	3.72			
P.P. 166			6.12	
	75.27		75.22	
	chk .05 high			

P.P 166 B.C. in HH @ Indian Sh & Reem's Rd

Bench Loop
P.P 152-153-154

Ostenso P
Mosher R
1-19-90

Sta	+	H.	-	Elev
P.P.152				
	4.39			
TP 52			5.43	
	4.91			
TP 53			5.28	
	4.68			
TP 54			5.37	
	4.53			
S. S			5.26	
P.P.153			5.73	
	4.45			
TP 55			5.49	
	3.26			
TP 56			5.36	
	6.54			
TP 57			3.18	
	6.41			
S.S			2.86	
PP154			3.36	
	3.04			
TP.57			6.08	

P.P 152 B.C. in HH @ Camelback & Reem's Rd

S.S. Pavement @ P.P 153

P.P. 153 B.C. in HH @ ¼ Cor. on Camelback Rd

S.S. Pavement @ P.P 154

P.P. 154 B.C. in HH @ Camelback & Bullard

Sta	+	Ht.	-	Elev
TP57				
	3.17			
TP56			6.53	
	6.11			
TP55			4.00	
	6.14			
PP153			5.11	
	6.12			
TP54			4.92	
	6.03			
TP53			5.34	
	6.03			
TP52			5.65	
	6.17			
P.P.152			5.13	
	81.98		81.96	

ch. in .02 high

P.P152 B.C. in HH @ Camelback & Room's Rd

Bench Loop
P.P. 152-151

Ooten, P
Mosher IR
1-19-90

Sta	+	H.I.	−	Elev
P.P.152				
	6.29			
TP58			5.03	
	6.08			
TP59			4.91	
	5.26			
TP60			5.87	
	5.24			
TP61			5.25	
	5.83			
TP62			5.18	
	6.24			
TP63			5.07	
	6.52			
TP64			4.64	
	6.65			
S.S			3.67	
P.P.151			3.96	
	3.68			
TP64			6.38	
	3.86			
TP63			5.73	

P.P.152 B.C. in HH @ Camelback & Reem's Rd

S.S Pavement @ P.P 151

P.P.151 B.C. in HH @ Camelback & SAVIVA1

Sta	+	Hi	−	Elev
TP63				
	4.42			
TP62			5.58	
	5.12			
TP61			5.78	
	5.35			
TP60			533	
	5.89			
TP59			5.28	
	4.96			
TP58			6.13	
	5.04			
P.P.152			6.30	
	86.43		86.42	

ch. in .01 high

PP152 B.C. in M.H @ Camelback & Reem's Rd

Bench Loop
P.P. 151 To 150

OoTen P
Mosher R
1-19-90

Sta	+	H.I.	-	Elev
P.P. 151				
	6.44			
TP 65			3.40	
	6.47			
TP 66			4.95	
	6.63			
TP 67			3.78	
	7.07			
TP 68			4.22	
	7.10			
TP 69			4.05	
	7.32			
TP 70			3.93	
	6.92			
TP 71			2.93	
	6.10			
S.S			3.80	
P.P. 150			4.18	
	3.96			
TP 71			5.87	
	2.02			
TP 70			6.01	

P.P. 151 B.C. in HH @ Camelback & Sahuaro

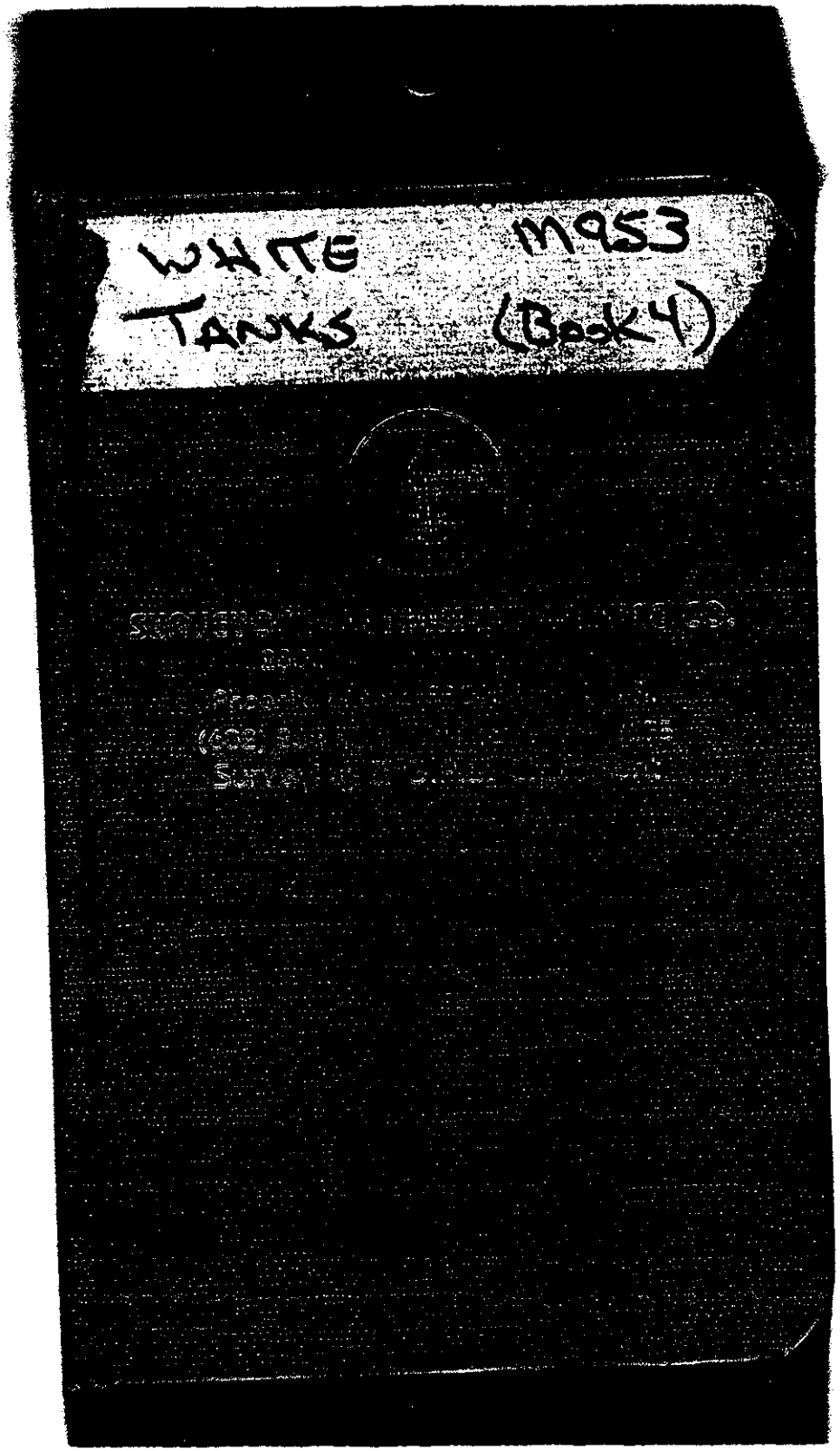
S.S. Pavement @ Camelback & Cotton Lane

P.P. 150 B.C. in HH @ Camelback & Cotton Lane

Sta	+	Hi	-	Elev
TP70				
	3.19			
TP69			6.57	
	3.59			
TP68			6.63	
	3.89			
TP67			6.73	
	3.38			
TP66			6.22	
	3.76			
TP.65			5.27	
	3.00			
P.P151			6.04	
	80.84		80.78	

ch. in .06 high

P.P.151 B.C. in HH @ Camelback & Sarival


WHITE
TANKS
11953
(Book 4)

m953
(Book 4)

Projects White Tanks

Name

MRT
SURVEYING & ENGINEERING CO.

Address 2909 W. FAIRMOUNT AVE.
PHOENIX, ARIZONA 85017

Phone

Panel Points	Page		
#150-134	31-33	#151-146-135	93-94
TP29-PP180-194	34-36	#150-159-163	95-96
PP181-196-195-194	37-39		
TP15-197	40-42		
197-196	43-45		
194-193	46-48		
132-133	49-50		
101-87	51		
133-145-149	52-54		
149-162	55-57		
162-174-178	58-60		
178-192	61-63		
192-193	64-66		
149-150	67-68		
162-163-164	69-71		
178-179-188-193	72-74		
166-USGS-167	75-76		
148-148-161-162	77-80		
161-177-191-192	81-84		
161-160-147-144-131	85-88		
160-173-176	90-92		

This book is published on a fine 50% cotton-content ledger paper, specially treated for maximum archival service, and protected by a water resistant surface sizing.

ELAN Publishing Co., Inc.
Meredith, N.H. 03253

Projects (continued) .....

Phase II

Bench Loop

P.P. 150 to 134

Co Temp

Mosher R

1-19-90

Sta	+	Ht.	−	Elev
P.P 150				
	4.73			
TP 72			3.60	
	6.05			
TP 73			2.60	
	6.08			
TP 74			3.65	
	5.83			
TP 75			3.07	
	5.66			
TP 76			4.14	
	5.39			
TP 77			4.00	
	6.72			
TP 78			2.42	
	5.75			
S.S.			1.08	
P.P 134			146	
	1.26			
TP 78			5.54	

P.P. 150 B.C. in HH @ Cotton Lane & Camel back

S.S Pavement @ P.P. 134

P.P. 134 B.C. in HH. @ Bethany Home & Cotton Lane

Sta	+	H.	−	Elev
TP 78				
	2.15			
TP 77			6.44	
	3.78			
TP 76			5.17	
	4.11			
TP 75			5.63	
	3.23			
TP 74			5.99	
	3.66			
TP 73			6.09	
	2.82			
TP 72			6.26	
	3.49			
P.P. 150			4.61	
	70.71		70.67	
	ch. in .04 high			

P.P. 150 B.C. in H.H. @ Cotton Lane & Camelback Rd

Bench Loop

TP # 29-180-194

OOTON P

Mosher

1-23-80

Sta	+	Hi	−	Elev	
TP#29					
	3.76				
P.P.180			4.84		
	2.30				
TP.79			5.49		
	3.95				
TP80			4.97		
	1.55				
TP81			5.84		
	4.07				
TP82			5.57		
	2.04				
TP83			6.51		
	3.68				
TP84			5.57		
	3.17				
TP85			5.53		
	4.92				
PP.194			4.64		
	4.42				
TP85			4.69		

TP 29 Cor H/W @ Sarival & Thomas

P.P.180 Nail Flush @ Sarival & Thomas

PP.194 Nail/Flash @ Sarival & McDowell

Sta	+	Hi	−	Elev
TP 85				
	5.57			
TP 84			3.22	
	5.58			
TP. 83			3.70	
	6.47			
TP 82			2.00	
	5.38			
TP 81			3.88	
	5.71			
TP 80			1.41	
	4.85			
TP 79			3.83	
	5.52			
P.P. 180			2.33	
	4.34			
TP *29			3.26	
	77.28		77.28	
	ch. in .00			

P.P. 180 Nail Flush @ Sarival & Thomas

Bench Loop

P.P. 181-196-195-194

OoTEN P

Mosher R

1-23-90

Sta	+	Hi	-	Elev
P.P.181				
	4.21			
TP86			5.01	
	4.31			
TP.87			5.35	
	4.16			
TP.88			5,30	
	4.07			
TP89			4.49	
	5.50			
TP90			4.31	
	1.80			
TP91			8.57	
	3.31			
TP92			5.21	
	3.77			
P.P.196			4.48	
	7.13			
TP.93			1.09	
	8.03			
TP.94			5.73	

P.P.181 B.C. in HH @ Reem's & Thomas

P.P.196 PK. Flush @ Reem's & McDowell Rd

Sta	+	Hi	-	Elev
TP.94				
	4.17			
TP 95			3.73	
	5.91			
P.P.195			3.53	
	4.09			
TP 96			4.84	
	5.27			
TP 97			4.44	
	2.37			
TP 98			6.75	
	3.01			
P.P 194			3.22	
	ch in .08 high			

P.P.195 PK Flush @ McDowell & Alsup Ave.

P.P.194 PK Flush @ McDowell & Reem's Rd

Beach Loop
TP15-183-197

OoTemP
MosherR
1-24-90

Sta	+	H.I.	-	Elev
TP 15				
	3.45			
P.P.183			3.98	
	1.76			
TP 99			8.44	
	3.25			
TP 100			6.51	
	4.16			
TP 101			5.33	
	4.25			
TP 102			5.43	
	4.13			
TP 103			5.60	
	4.22			
TP 104			5.58	
	4.12			
TP 105			5.34	
	4.43			
TP 106			5.11	
	4.54			
P.P.197			5.23	

S.E. Cor

TP 15 B.C. @ Bridge @ Bullard & Thomas

P.P.183 Nail Flush @ Bullard & Thomas

P.P.197 P.K. Flush @ Bullard & McDowell

Sta	+	H.	-	Elev
P.P.197				
	5.03			
TP106			4.33	
	4.33			
TP105			3.64	
	4.29			
TP104			3.07	
	4.33			
TP.103			2.97	
	4.61			
TP102			3.13	
	4.28			
TP101			3.11	
	4.76			
TP100			3.60	
	6.00			
TP.99			2.74	
	7.09			
P.P.183			0.41	
	3.78			
TP.15			3.25	
	86.81		86.80	

ch in .01 high

S.E Cor
TP15 B.C. @ Bridge @ Bullard & Thomas

Bench Loop

P.P 197 TO TP 115

O'Ten, P

Mosher R

1-24-90

St A	+	Hi	-	Elev
P.P.197				
	5.52			
TP 107			4.97	
	5.31			
TP 108			4.76	
	3.79			
TP 109			5.95	
	2.45			
TP 110			5.41	
	3.83			
TP 111			5.98	
	5.21			
TP 112			3.56	
	7.24			
TP 113			3.21	
	6.95			
TP. 114			3.38	
	5.90			
P.P. 196			3.55	
	3.29			
TP. 114			5.65	

PP197 P.K Flush @ McDowell & Bullard

PP196 P.K Flush @ McDowell & Reem Rd

Sta	+	Hi	-	Elev
TP 114				
	3.24			
TP 113			6.81	
	3.00			
TP 112			7.03	
	3.37			
TP 110			5.02	
	5.81			
TP 109			3.65	
	5.19			
TP 108			2.23	
	5.83			
TP 107			3.67	
	4.64			
TP 10			5.19	
	5.12			
PP 197			5.66	
	85.69		85.68	

ch. in .01 high
But overall Adj .04 high

P.P. 197 P.K Flush @ McDowell & Bullard

Bench Loop
P.P. 194 - 193

OoTen, P
Mosher R
1-24-90

Sta	+	HI	−	Elev	
P.P.194				1009.44	ADJ.
	3.03				
TP 115			4.17	08.30	
	3.79				
TP116			3.87	08.22	
	4.68				
TP 117			3.79	09.11	
	5.02				
TP118			2.77	11.36	
	4.75				
TP119			3.52	12.59	
	5.54				
TP120			3.78	14.35	
	5.55				
TP121			4.27	15.63	
	5.65				
S.S.			4.05		
P.P193			4.48	16.80	ADJ (16.77) (16.73)
	4.24				
TP 121			5.39	15.65	

P.P.194 Nail Flush @ McDowell & Shrival

S.S. Pavement @ P.P.193

P.P.193 B.C. in HH @ McDowell & Cotton Lane

Sta	+	H.	-	Elev
TP 121				1015.65
	4.35			
TP 120			5.62	14.38
	4.04			
TP 119			5.80	12.62
	4.03			
TP 118			5.25	11.40
	3.20			
TP 117			5.43	09.17
	4.19			
TP 116			5.08	08.28
	4.89			
TP 115			4.80	08.37
	4.73			
P.P 194			3.60	09.50
	76.68		76.62	

ch. in .06 high

P.P 194 Nail Flush @ McDowell & SAriva l

Bench Loop
P.P. 132 To 133

O.O. Tem P
Mosher R
1-26-90

Sta	+	Hi	-	Elev
P.P.132				
	0.64			
TP122			4.47	
	1.82			
TP123			4.46	
	2.67			
TP124			4.65	
	1.86			
TP125			4.03	
	1.21			
TP126			6.77	
	3.34			
TP127			6.47	
	3.32			
TP128			6.56	
	4.58			
P.P. 133			5.99	

P.P.133 Iron Pipe @ Bethany Home ℄

P.P.133 Iron Pipe @ Bethany Home & Citrus

Sta	+	Hi	-	Elev	
P.P. 101					
	5.15				
TP 389			4.19		
	4.79				
TP 390			4.35		
	4.97				
TP 391			4.00		
	5.12				
TP 392			3.62		
	5.86				
TP 393			3.80		
	4.77				
TP 394			3.87		
	5.13				
TP 395			4.23		
	5.57				
P.P. 87			3.89		

Bench Loop P.P. 101 to 87

P.P. 101 B.C. in HH @ Olive & El Mirage

1-26-90

Ootan, P

Mosher

P.P. 87 B.C. in HH @ El Mirage & Peoria

Bench Loop
PP133 Tb 145-149

OoTen, P
Mosher R
1-26-90

Sta	+	ht.	-	Elev	
P.P 133				1129.09	
	1.13				
TP 129			6.02	24.20	
	2.97				
TP 130			6.11	21.06	
	2.53				
TP 131			6.26	17.33	
	3.11				
P.P 145			4.89	15.55	(15.56)
	3.80				
132			5.84	13.51	
	4.40				
133			5.43	12.48	
	3.93				
134			5.84	10.57	
	3.86				
P.P. 149			4.73	09.70	Adj (09.72)
	4.52				
TP. 134			3.65	10.57	
	5.97				
TP. 133			4.05	12.49	

P.P.133 Iron Pipe @ Citrus & Bethany Home

P.P.145 P.K. Flush @ ½ Cov on Citrus

P.P.149 Nail Flush @ Citrus & Camelback

Sta	+	Hi	−	Elev.
TP 133				1112.49
	5.46			
TP 132			4.43	13.52
	5.97			
P.P 145			3.92	15.57
	5.17			
TP 131			3.39	17.35
	6.41			
TP 130			2.68	21.08
	6.41			
TP 129			3.27	24.22
	5.80			
P.P. 133			0.92	29.10
	71.44		71.43	

ch. in. .01 high

P.P. 133 Iron Pipe @ Citrus & Bethany Home Rd

Bench Loop
P.P. 149 To 162

OoTen, P
Mosher, R
1-26-90

S/A	+	H.	-	Elev	Adj
P.P.149				1109.69	(09.72)
	3.31				
TP135			7.11	05.89	
	3.02				
TP136			6.94	01.97	
	2.35				
TP137			6.92	1097.40	
	3.16				
TP138			6.22	94.34	
	2.74				
TP139			6.91	90.17	
	3.56				
TP140			6.14	87.59	
	3.77				
TP141			5.77	85.59	
	3.77				
S.S			5.22		
P.P.162			5.37	83.99	Adj (84.04)
	5.04				
TP141			3.43	85.60	

P.P.149 Nail Flush @ Citrus & Camelback

P.P.162 Iron Bar in Pothole @ Citrus & Indian Sh.

Sta	+	H.	-	Elev
TP 141				1085.60
	5.74			
TP 140			3.73	87.61
	6.36			
TP 139			3.77	90.20
	7.21			
TP 138			3.04	94.37
	6.58			
TP 137			3.51	97.44
	6.85			
TP 136			2.27	1102.02
	6.99			
TP 135			3.07	05.94
	6.79			
P.P. 149			2.99	1109.74
	77.24		77.19	

ch. in .05 high

P.P. 149 Nail Flush @ Citrus & Camelback

Bench Loop

PP. 162 To 174-178

OoTeM, P

Mosher. R

1-30-90

Sta	+	ht	-	Elev	Adj
P.P.162				1083.96	(84.04)
	0.78				
TP.142			6.45	78.29	
	2.40				
TP 143			6.40	74.29	
	2.57				
TP144			6.61	70.25	
	3.45				
P.P. 174			5.64	68.06	(68.14)
	1.19				
TP145			6.49	62.76	
	3.77				
TP146			6.57	59.96	
	3.77				
TP.147			6.21	57.52	
	4.12				
P.P.178			5.23	56.41	(56.51)
	5.08				
TP.147			3.97	57.52	
	6.30				
TP.146			3.85	59.97	

P.P.162 Iron Bar in Pothole @ Citrus & Indian Sch. Rd

P.P.174 P.K. Flush @ ½ Cor on Citrus

P.P.178 P.K. Flush @ Citrus & Thomas Rd

Sta	+	HI	-	Elev
TP.146				1059.97
	6.33			
TP.145			3.52	62.78
	6.41			
P.P.174			1.11	68.08
	5.51			
TP144			3.32	70.27
	5.81			
TP143			1.77	74.31
	6.08			
TP142			2.07	78.32
	6.27			
P.P.162			0.61	83.98
	69.84		69.82	

ch. in. .02 high

P.P.162 Iron Bar in Pothole @ Citrus & Indian Sh

Bench Loop
P.P. 178 To 192

DoTeN, P
Mosher R
1-30-90

Sta	+	HI	−	Elev	Adj
P.P.178				1056.40	(56.51)
	1.80				
TP.148			6.76	51.44	
	3.13				
TP.149			6.01	48.56	
	3.00				
TP.150			5.87	45.69	
	3.68				
TP.151			5.64	43.73	
	1.57				
TP.152			6.07	39.23	
	2.94				
TP.153			6.18	35.99	
	2.29				
TP.154			6.17	32.11	
	3.37				
SS.			6.78		
P.P.192			7.41	28.07	(28.18)
	7.04				
TP.154			2.99	32.12	

P.P.178 P.K. Flush @ Citrus & Thomas Rd

P.P.192 B.C. in H.H. @ Citrus & McDowell

Sta	+	H.	−	Elev
TP154				1032.12
	6.18			
TP153			2.31	35.99
	6.10			
TP152			2.85	39.24
	6.17			
TP151			1.66	43.75
	5.78			
TP150			3.81	45.72
	6.01			
TP149			3.14	48.59
	6.07			
TP148			3.19	51.47
	6.62			
PP178			1.66	56.43 (56.54)
	71.75		71.72	

ch. in .03 high

P.P.178 P.K. Flush @ Citrus & Thomas.

Bench Loop

P.P. 192 To 193

OoTen, P

Mosher, R

1-30-90

Sta	+	H.	−	Elev	
P.P.192				1028.05	(2818)
	4.91				
TP 155			5.57	27.43	
	4.00				
TP156			5.12	26.31	
	3.61				
TP 157			6.09	23.83	
	4.39				
TP158			5.33	22.89	
	4.21				
TP159			5.13	21.97	
	438				
TP160			5.58	20.77	
	3.77				
TP 161			5.76	18.78	
	4.32				
P.P. 193			6.40	1016.70	(2883)
	6.46				
TP. 161			4.37		
	5.73				
TP. 160			3.76		

P.P. 192 B.C. in HH @ Citrus & McDowell

P.P. 193 Check in +- .05 high

Sta	+	H.	−	Elev
TP 160				
	5.26			
TP 159			4.05	
	4.97			
TP 158			4.05	
	5.68			
TP 157			4.74	
	6.03			
TP 156			3.56	
	5.45			
TP 155			4.32	
	5.80			
P.P. 192			5.15	
	78.97		78.98	

Ch. in. .01 Low.

P.P. 192 B.C. in Hl @ Citrus & McDowell

Bench Loop
P.P. 149 To 150

OoTen, P
Mosher R
1-31-90

Sta	+	H.	-	Elev	
P.P.149				1109.70	(09.72)
	2.80				
TP162			6.75	05.75	
	3.30				
TP163			6.93	02.12	
	3.11				
TP164			6.43	1098.80	
	3.83				
TP165			6.05	96.58	
	3.29				
TP166			6.60	93.27	
	3.57				
TP167			6.22	90.62	
	3.74				
TP168			6.44	87.92	
	3.99				
TP169			6.04	85.87	
	3.66				
P.P.150			6.00	1083.53	(83.55)
	Ch in +- .02 Low				

P.P149 P.K Flush @ Camelback & Citrus

P.P150 B.C. in HH @ Camelback & Cotton Lane

Benchloop

P.P. 162 To 163-164

OoTen, P

Mosher R

1-31-90

Sta	+	H.	-	Elev	
P.P. 162				108.98	(84.04)
	0.80				
TP 170			6.48	78.30	
	4.08				
TP 171			5.77	76.61	
	4.65				
TP 172			4.79	76.47	
	2.97				
TP 173			6.98	72.46	
	3.33				
TP 174			7.28	68.51	
	3.62				
TP 175			4.96	67.17	
	4.17				
S. S..			6.15		
P.P. 163			6.71	64.63	(64.69)
	1.52				
TP. 176			6.56	59.59	
	3.43				
TP 177			6.82	56.20	

P.P. 162 Iron Bar in Pothole @ Citrus & Indian Sh. Rd

S.S. Pavement @ P.P. 163

P.P. 163 Iron Pipe in Hit @ Indian Sh. & Cotton Lane

Sta	+	H.	−	Elev.
TP177				1056.20
	3.78			
TP178			6.46	53.52
	2.95			
TP179			6.40	50.07
	3.35			
TP180			6.16	47.26
	4.93			
TP181			5.12	47.07
	3.39			
P.P.164			5.99	44.47 (44.53)
	ch. in +- .08 high			

P.P.164 Iron Pipe in HH @ Indian Sb & Saviva

Bench Loop

P.P. 178 To 179 - 188 - 193

OoTem, P

Mosher R

1-31-90

Sta	+	H.I.	−	Elev	
P.P.178				1056.43	(56.51)
	3.69				
TP182			6.28	53.84	
	5.39				
TP183			6.19	53.04	
	3.59				
TP184			6.47	50.16	
	4.74				
TP185			4.53	50.37	
	3.10				
TP186			6.67	46.80	
	4.15				
TP187			6.11	44.84	
	4.51				
TP188			5.69	43.66	
	4.35				
TP189			5.25	42.76	
	5.55				
S.S			5.56		
P.P.179			6.19	42.12	(42.23)

P.P.178 Nail Flush @ Thomas & Citrus

S.S Pavement @ P.P. 179

P.P.179 Iron Pipe @ Thomas & Cotton Lane

Sta	+	H.	−	Elev	
P.P. 179				1042.12	(42.23)
	2.89				
TP 190			7.04	37.97	
	3.31				
TP 191			6.87	34.41	
	3.13				
TP 192			6.59	30.95	
	3.91				
P.P. 188			5.77	29.09	(29.20)
	2.49				
TP 193			6.31	25.27	
	3.93				
TP 194			6.26	22.94	
	2.94				
TP 195			6.66	19.22	
	3.81				
P.P. 193			6.32	1016.71	(16.82)
	Ch. in .05 high				

P.P. 179 Iron Pipe @ Cotton Lane & Thomas

P.P. 188 P.K. Flush @ ¼ Cor on Cotton Lane

Bench Loop

P.P. 166 To USGS B.C. 167

Boten, P

Mosher R

1-31-90

Sta	+	Hi	-	Elev
P.P. 166				1031.69
	2.66			
TP 196			5.21	29.14
	2.57			
TP 197			5.11	26.60
	3.67			
TP 198			4.68	25.59
	3.83			
TP 199			3.64	1025.78
	3.32			
TP 200			2.04	1027.06
	3.61			
TP 201			3.84	26.83
	4.62			
TP 202			2.87	28.58
	6.53			
TP 203			4.04	31.07
	4.00			
P.P. 167			5.42	29.65
	ch. in .08 Low +-			

P.P. 166 B.C. in HH @ Indian Sh. & Reem's Rd

TP. 200 U.S.G.S. B.C. Marked H-19-1946 1028 FT. @ N/W Cor Between 166-167

P.P. 167 B.C. in HH @ Indian Sh. & Bullard

Bench Loop
149-148-161-162

Ooten, P
Mosher, R
2-1-90

Sta	+	HI	-	Elev.	
P.P 149				1109.70	(09.72)
	4.86				
TP 204			3.50	11.06	
	4.40				
TP 205			3.76	11.70	
	5.35				
TP 206			3.20	13.85	
	5.72				
TP 207			3.53	16.04	
	7.11				
TP 208			3.31	19.84	
	6.42				
TP 209			2.64	23.62	
	4.36				
TP 210			1.78	26.20	
	5.76				
TP 211			2.75	29.21	
	5.85				
P.P 148			2.65	1132.41	(32.43)

P.P 149	P.K Flush @ Camelback & Citrus					
P.P 148	Iron Bar Flush @ Camelback & Perryville					

Sta	+	Hi	-	Elev.	
PP148				1132.41	32.43
	1.43				
TP 212			9.22	24.62	
	2.87				
TP 213			6.02	21.47	
	3.31				
TP 214			5.93	18.85	
	3.94				
TP 215			5.80	16.99	
	3.79				
TP 216			5.67	15.11	
	3.75				
TP 217			6.35	12.51	
	3.72				
TP 218			6.01	10.22	
	3.83				
P.P. 161			3.37	1110.68	(10.70)
	0.74				
TP 219			6.13	05.29	
	0.42				
TP 220			6.13	1099.58	

F.F 161 Cotton Picker Flush @ Indian Sh. & Perryville

Sta	+	Hi	−	Elev.	
TP.220				1099.58	
	2.15				
TP.221			6.43	95.30	
	3.26				
TP 222			4.80	93.76	
	0.79				
TP 223			5.12	89.43	
	2.51				
TP 224			4.73	87.21	
	2.83				
TP 225			4.52	85.52	
	2.93				
P.P. 162			4.46	1083.99	(84.01)
	ch. in .03 Low				

P.P. 162 Iron Bar in Pothole @ Indian Sh's Citrus

Bench Loop

P.P. 161-177-191-192

OoTen, P

Mosher R

2-1-90

Sta.	+	Hi	-	Elev.	
P.P. 161				1110.68	(10.70)
	2.84				
TP 226			5.91	07.61	
	3.17				
TP 227			6.23	04.55	
	2.81				
TP 228			6.11	01.25	
	3.45				
TP 229			5.89	(1098.81)	
	2.46				
TP 230			6.48	94.79	
	2.13				
TP 231			6.24	90.68	
	2.74				
TP 232			6.42	87.00	
	2.66				
S.S			6.47		
P.P. 177			7.14	1082.52	(82.54)
	3.15				
TP 233			6.18	79.49	

P.P. 161 Cotton Picker Flush @ Perryville & Indian Sh. Rd

P.P. 177 Iron Pin in P&T hole @ Perryville & Thomas

Sta	+	H.	-	Elev	
TP233				1079.49	(79.51)
	1.86				
TP234			5.37	75.98	
	3.19				
TP235			6.42	72.75	
	3.36				
TP236			6.42	69.69	
	2.16				
TP237			6.96	64.89	
	3.13				
TP238			7.56	60.46	
	2.05				
TP239			7.38	55.13	
	2.55				
SS			5.83		
P.P191			6.25	1051.43	(51.45)
	2.12				
TP240			6.07	47.48	
	3.05				
TP241			5.44	45.09	

P.P191 BC in HH @ McDowell & Perryville

Sta	+	Ht.	-	Elev	
TP241				1045.09	
	3.23				
TP242			5.64	42.68	
	3.41				
TP243			5.68	40.41	
	2.40				
TP244			6.05	36.76	
	2.99				
TP245			6.20	33.55	
	3.35				
TP246			5.68	31.22	
	3.81				
P.P. 192			6.83	1028.20	(28.18)
	ch. in .06 high				

P.P. 192 B.C. in HH @ McDowell & Citrus

Bench Loop

P.P. 161-160-147-144-131

OoTen P

Mosher R

2-2-90

Sta	+	Hi	-	Elev	
P.P. 161				11.10.68	(10.70)
	5.51				
TP 247			0.15	16.04	
	7.29				
TP 248			1.09	22.24	
	7.25				
TP 249			0.20	29.29	
	8.37				
TP 250			2.06	35.60	
	6.40				
TP 251			1.35	40.65	
	6.97				
TP 252			0.24	47.38	
	7.35				
TP 253			2.15	52.58	
	8.75				
S.S			0.60		
P.P. 160			1.05	1160.28	(60.30)
	5.46				
TP 254			4.53	61.21	

P.P. 161 Cotton Picker @ Indian Sh & Perry Ville

P.P. 160 B.C. in H# @ Indian Sh & Jackrabbit Rd

Sta	+	H.	−	Elev	
TP.254				1161.21	
	5.19				
TP255			4.11	62.29	
	6.05				
TP256			3.27	65.07	
	6.23				
TP257			3.16	68.14	
	6.62				
TP258			3.38	71.38	
	6.63				
TP259			2.34	75.67	
	8.10				
TP260			3.37	80.40	
	7.82				
P.P.147			3.37	84.85	(84.87)
	5.02				
TP261			4.14	85.73	
	4.99				
TP262			3.57	87.15	
	5.69				
TP263			5.21	187.63	

P.P147 P.K Flash @ Jackrabbit & Camelback

Sta	+	ht.	−	Elev	
TP.263				1187.63	
	3.22				
P.P.144			4.41	1186.44	(86.46)
	5.91				
TP264			6.57	85.78	
	3.53				
TP265			4.67	84.64	
	6.39				
TP266			1.31	89.72	
	4.51				
P.P.131			2.65	1191.58	(91.60)

P.P.144 Nail Flush @ ¼ Cor on Jackrabbit

P.P.131 Nail Flush @ Jackrabbit & Bethany Home

Bench Loop

P.P. 160-173-176

Cotey, P

Mosher R

2-2-90

Sta	+	H.	−	Elev
P.P.160				
	0.73			
TP 267			8.55	
	2.56			
TP 268			6.64	
	4.11			
TP269			6.77	
	3.99			
P.P.173			5.65	
	1.73			
TP.270			7.12	
	1.64			
TP.271			5.99	
	1.73			
TP272			7.15	
	1.95			
P.P.176			6.44	
	6.20			
TP.272			1.70	
	6.32			
TP.271			0.89	

P.P.160 B.C. in HH @ Jackrabbit & Indian Sh. Rd

P.P.173 P.K. Flush @ Jackrabbit & Osborn

P.P.176 P.K Flush @ Jackrabbit & Thomas

Sta	+	ht.	-	Elev
TP.271				
	6.05			
TP270			1.69	
	6.21			
P.P.173			0.82	
	5.03			
TP269			3.37	
	6.47			
TP.268			3.81	
	6.39			
TP267			2.29	
	8.43			
P.P.160			0.63	
	69.54		69.51	
	ch. in .03 high			

P.P.160 B.C. in ~~HH~~ @ Jackrabbit & Indian Sh.

Beech Run

PP. 151 - 146 - 135

OOTEN, P

Mosher R

2-2-90

Sta	+	H.	−	Elev
P.P.151				
	4.33			
TP.273			3.17	
	4.86			
TP274			3.81	
	6.26			
TP275			2.93	
	5.16			
TP.276			2.68	
	4.59			
P.P.146			2.84	
	4.77			
TP277			2.51	
	4.42			
TP278			2.22	
	5.67			
TP.279			2.53	
	5.43			
P.P.135			3.57	

P.P.151 B.C. in HH. @ Sarival & Camelback

P.P.146 P.K Flush @ 1/4 Cor on Sarival

P.P.135 Iron Pin in HH. @ Sarival & Bethany Home

Bench Run
150-159-163

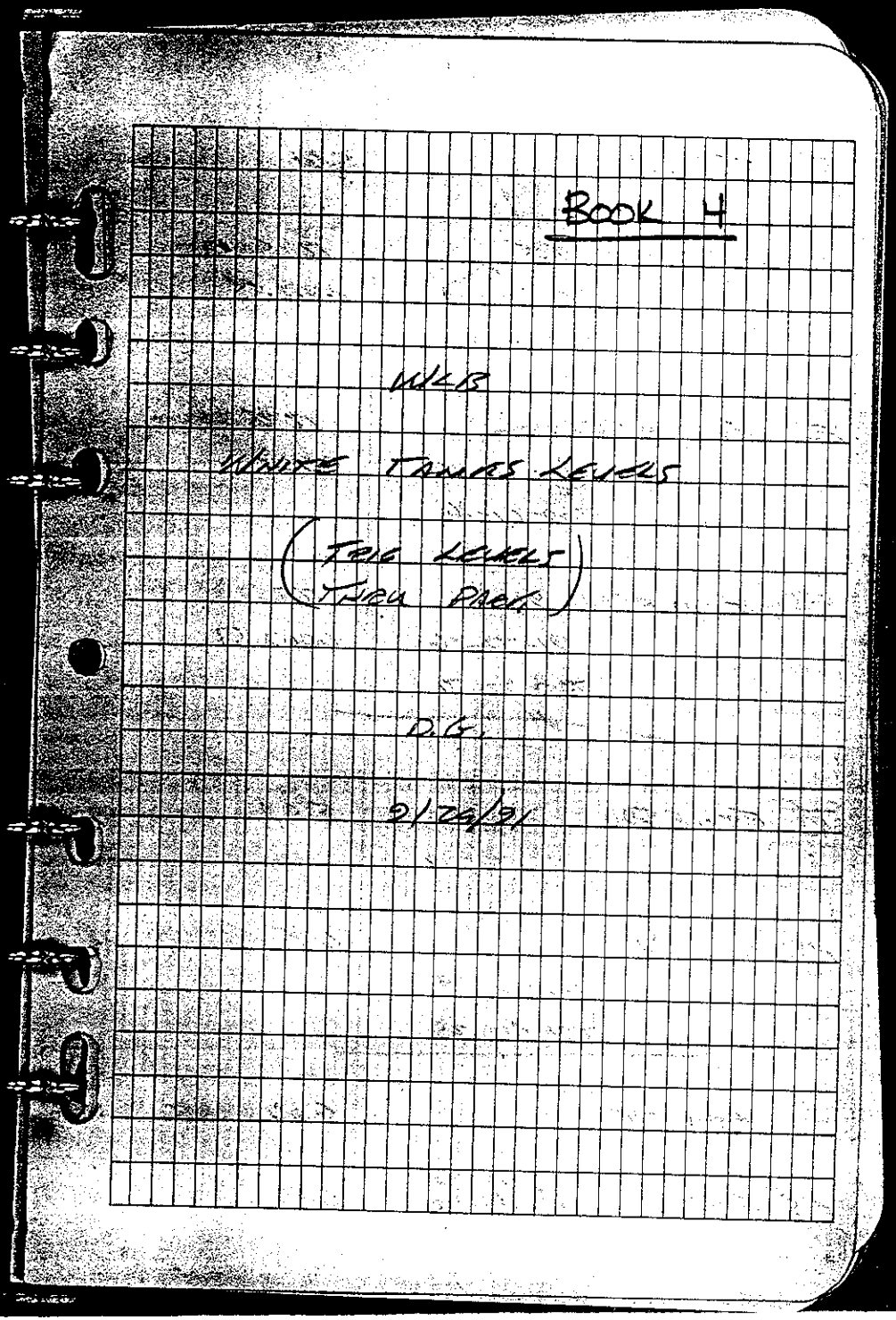
OoTemp
Mosher
2-9-90

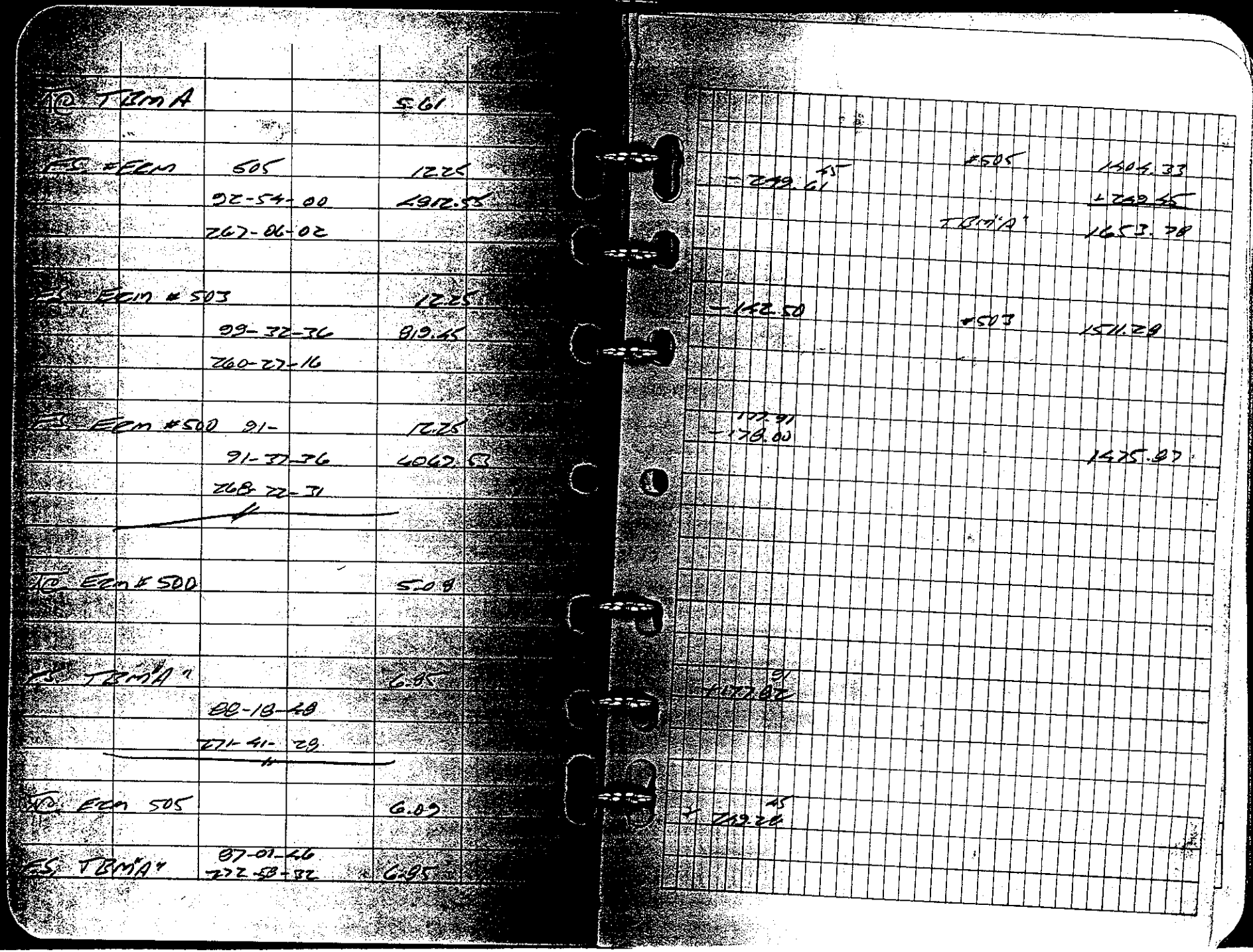
Sta	+	H.	−	Elev.
P.P.150				
	0.48			
TP280			6.68	
	3.45			
TP281			6.10	
	3.86			
TP283			5.54	
	3.86			
P.P.159			5.36	
	3.81			
TP.284			6.12	
	4.45			
TP.285			6.61	
	3.93			
TP286			6.06	
	4.58			
P.P.163			4.88	

P.P.150 B.C. in H.H. @ Cotton Lane & Camelback Rd.

P.P.159 P.K. Flush @ ¼ Cor. on Cotton Lane.

P.P.163 Iron Pipe in H.H. @ Cotton Lane & Indian Sch. Rd.


BOOK 4
MKB
MIXED TRIG LEVELS
(TRIG LEVELS THRU PACK)
D.G.
2/20/91

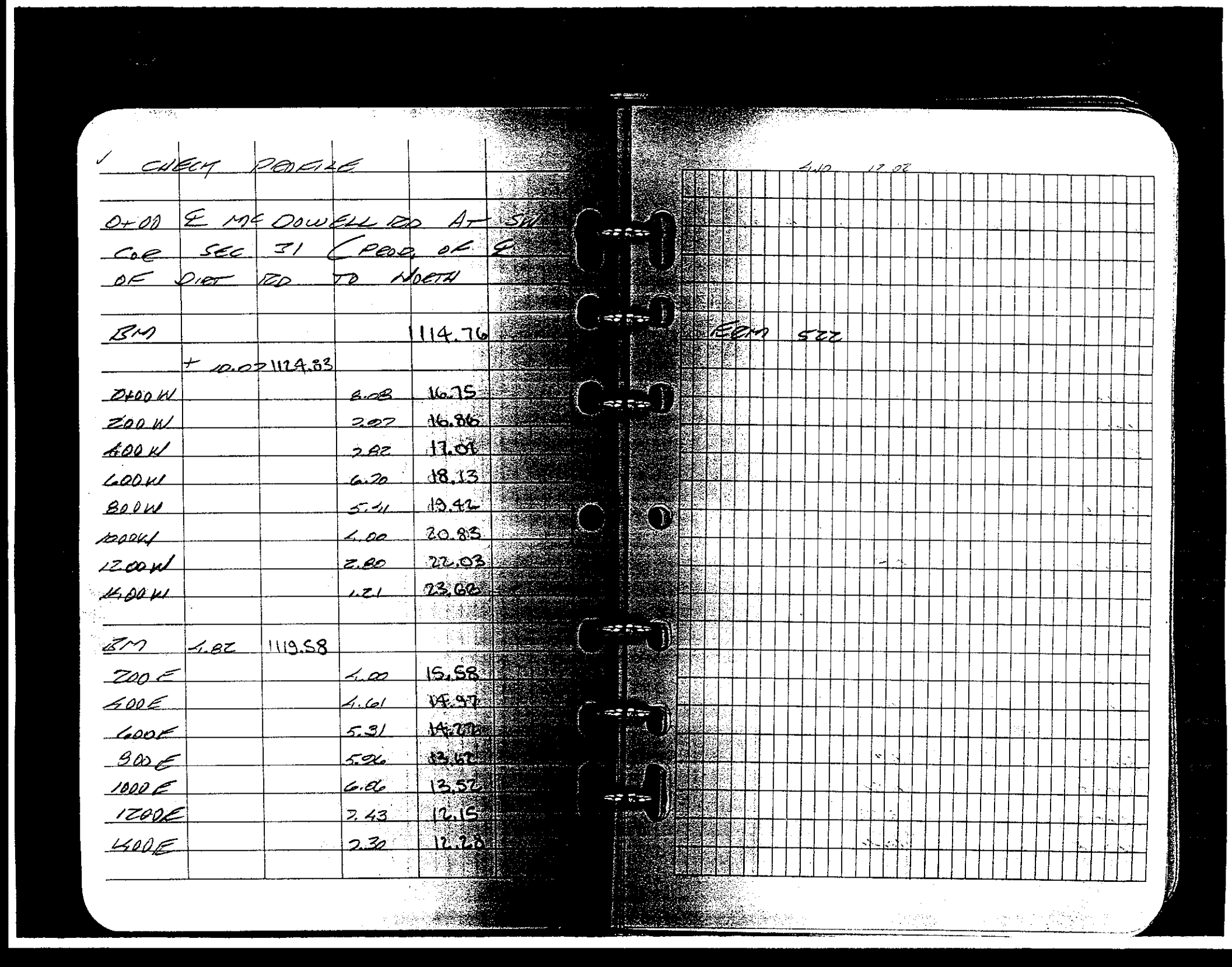


TC TBM A		5.61				
FS #ECM	505	12.25			#505	1404.33
	92-54-00	4912.55		-249.61 45		+249.45
	267-06-02				TBM "A"	1653.78
FS ECM #503		12.25		-142.50	#503	1511.28
	99-32-36	819.45				
	260-27-16					
FS ECM #500	91-	12.25		177.91 -178.00		
	91-37-36	4062.53				1475.87
	268-22-31					
TC ECM #500		5.08				
FS TBM "A"		6.85		+177.82 91		
	88-18-48					
	271-41-28					
TC ECM 505		6.09		+249.28 45		
FS TBM "A"	87-01-46					
	272-58-32	6.85				

WLB
White Tanks
Profiles And Erms

D.G.

9/14/91



✓ CHECK PROFILE

0+00 ℄ McDOWELL RD AT SW
COR SEC 31 (PROD. OF ℄
OF DIRT RD TO NORTH

BM				1114.76
	+ 10.07	1124.83		
0+00 W			8.08	16.75
200 W			7.97	16.86
400 W			7.82	17.01
600 W			6.70	18.13
800 W			5.41	19.42
1000 W			4.00	20.83
1200 W			2.80	22.03
1400 W			1.21	23.62
BM	4.82	1119.58		
200 E			4.00	15.58
400 E			4.61	14.97
600 E			5.31	14.27
800 E			5.96	13.62
1000 E			6.06	13.52
1200 E			7.43	12.15
1400 E			7.30	12.28

4.10 17.02

ERM 522

CREEK PROFILE #1

0+00 - E. INT MCDOWELL & JACKRABBIT TRAIL

ERM #523

+5.05

0+00		4.58
200 W		4.10
400 W		5.02
600 W		5.19
800 W		3.86
1000 W		2.85
1200 W		1.63
1400 W		0.35

+1.82

200 E		3.24
400 E		6.04
600 E.		7.93

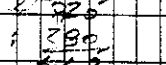
2.90

800 E		4.37
1000 E.		4.76
1200 E.		5.33
1600 E.		10.44

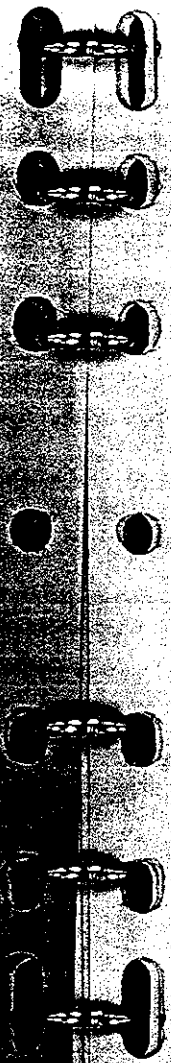
✓ PROFILE *B			
B.M.	4.435		1264.23
	2.52		
I.P.		10.33	
	4.21		
I.P. "C"		9.60	1251.03
	1.55		
0+00		0.96	51.62
2+00 E.		2.10	50.48
4+00 E.		6.00	45.98
6+00 E.		8.80	43.78
8+00 E.		10.34	42.24
10+00 E.		11.24	40.84
	1.41		
12+00 E.		4.91	37.34
14+00 E.		2.02	35.23
I.P.		0.12	
	10.42		50.04
I.P. "C"		4.52	1251.03
	2.62		
2+00 S.		2.54	46.11
4+00 S.		11.44	42.21
4+45 S.		15.26	37.89
6+00 S.		8.55	45.10
8+00 S.		6.20	47.43

(1247.30) 3.78

℄ INT. OF NORTHERN AVE. & DRT RD TO S. (DRT RD IS AT BASE OF S.E. OF DIKE)



10+00 S.		9.93	43.82
12+00 S.		10.42	43.23
14+00 S.	T.P. "D"	10.85	42.80



WHITE TANKS

CHECK PROFILES

DG.

10/15/91

PROFILE # 6

0+00 =	℄ INT	E-W RD		
	℄ RD TO	South		
	AT	NW COR SEC 18		
BM (#512)			1441.96	
	+ 11.71			
0+00		11.12	39.50	✓
2+00 Lt		9.01	44.66	✓
4+00 Lt		3.55	50.12	✓
T.P.		0.00	53.58	✓
	13.25			
6+00 Lt		10.68	56.15	✓
8+00 Lt		6.10	62.93	✓
T.P.		0.61	66.22	✓
	12.09			
10+00 Lt.		11.71	67.50	✓
12+00 Lt.		5.99	73.22	✓
14+00 Lt		0.05	79.16	✓
T.P.		13.92	66.19	✓
	0.77			
T.P.		13.42		
	0.10			
ERM #512		11.70		

PROFILE #6 CONT

BM (#512			1441.96		
	0.42				
2+00 E.		0.26	33.12	✓	
T.P.		14.31	28.07	✓	
	0.20				
4+00 E.		2.32	26.04 ← 25.95	✓	
6+00 E.		10.06	18.22	✓	
T.P.		13.37	14.90	✓	
	0.28				
8+00 E.		3.86	11.32	✓	
10+00 E.		11.50	03.68	✓	
T.P.		12.80	02.29	✓	
	0.40				
12+00 E.		5.66	97.03	✓	
14+00 E.		12.26	89.93	✓	
T.P.		0.32			
	13.45				
T.P.		0.84			
	13.55				

WLB

WHITE TANKS

PROFILES

2/24/91

✓

PROFILE #10

ERM	500			1475.87
	5.91			
			14.44	
	0.25			
0+00			2.34	65.75
2+00 S			8.99	59.10
4+00 S			13.45	54.64
4+92 S			18.61	49.48
6+00 S			16.02	52.07
8+00 S			13.12	54.97
	12.55			
10+00 S			5.40	62.12
12+00 S			5.23	62.29
14+00 S			3.72	63.80
16+00 S			5.83	61.69
18+00 S			6.27	61.25
T.P.			12.55	
	10.98			
T.P.			0.22	
	14.42			
T.P.			3.60	
	5.23			
ERM # 500			5.92	

℄ INT. OF WILLOW CANYON RD. &
WHITE TANK MNT. RD.

√

PROFILE #9

TP "A"				1308.66
	3.50	1312.16		

0+00 = ℄ INT ACCESS RD E/S BEARDS LEY CANAL & ℄ PEORIA

0+00			6.90	05.26
2+00 N			6.30	05.86
4+00 N			5.88	06.28
6+00 N			2.82	09.34
8+00 N			0.30	11.86
	8.76	1320.62		
10+00 N			6.35	14.27
12+00 N			4.75	15.87
14+00 N			3.36	17.26
T.P			11.00	09.62
	1.71	1311.33		
T.P "A"			2.69	08.64
	0.23	1308.87		
2+00 S.			7.27	01.60
4+00 S			9.31	99.56
6+00 S			8.65	00.22
	5.06	1305.28		
8+00 S.			5.25	00.03
10+00 S			5.31	99.97
12+00 S.			6.38	98.90

14+00 S.			12.87	92.41	
T.P.			5.42		
	8.85				
T.P. "A"			0.07		

5.40

1009.44
5.40
1054.84
3.85
1081.08

4.38 2.0

PROFILE #6 CONT

IR		0.38
	14.20	
ERM *5R		0.4

PROFILE #5

0+00 = ℄ INT 2 DIRT RDS
(BETHANY HOME & VALKARRIT TO
EXTENDED)

BM #131				1191.53
	4.86			
0+00			0.49	95.91
0+18 S. TOE			3.66	92.74
2+00 S.			5.38	91.02
3+69 S. FE			7.99	88.41
4+00 S.			7.19	89.21
6+00 S.			7.24	89.16
	5.90			
8+00 S.			5.42	89.59
10+00 S.			5.59	89.47
12+10 S. FE			10.53	84.53
14+00 S.			9.57	85.49
T.P.			5.87	89.19
	7.14			
BM #131			4.81	

PROFILE #5 CONT. 1192+1214

THIS PROFILE IS DOWN ROUSED RD. ± 4° ABOVE NAT. GROUND

B.M. #131				
	13.51			1191.54
2+00 W.			6.00	98.06
4+00 W.			4.11	00.94
6+00 W.			2.29	02.26
8+00 W.			0.15	04.90
	8.62	1213.52		
10+00 W.			6.88	06.64
12+00 W.			3.58	09.94
14+00 W.			0.28	13.24
T.P.			8.64	
	0.71			
B.M. #131			14.10	

PROFILE #4 ✓

0+00 = ℄ INT INDIAN SCHOOL & JACKRABBIT TRAIL

BM				1160.26
	6.35			
2+00 N.			6.00	60.61
4+00 N.			5.90	60.71
6+00 N.			5.56	61.05
8+00 N.			5.35	61.26
10+00 N.			5.18	61.43
12+00 N.			4.92	61.69
14+00 N.			4.06	62.55

EEM #160

B.M. #60			1160.24
	1.13		
0+00		0.26	60.64
2+00 S.		2.38	58.92
4+00 S.		4.05	56.45
6+00 S.		7.10	54.21
8+00 S.		9.03	52.37
10+00 S.		10.35	51.05
12+00 S.		11.24	50.16
14+00 S.		12.19	49.21

PROFILE #7

B.M. M 475			1343.22	
	13.12			
0+00		13.4	42.94	✓
2+00 W.		8.0	48.34	✓
4+00 W.		3.0	53.34	✓
4+68 W. T.P.		0.31	56.03	✓
	14.38			
6+00 W.		10.2	60.21	✓
8+00 W.		2.72	67.69	✓
	13.65			
10+00 W.		4.7	76.64	✓
11+22 W. T.P.		0.35	80.99	✓
	14.43			
12+00 W.		12.4	83.02	✓
14+00 W.		4.2	91.22	✓
T.P.		1.56	1393.06	
	1.21			
T.P.		11.03		
	1.26			
T.P.		13.75		
	0.40			
T.P.		13.60		
	0.50			
B.M. M 475		14.72	1343.22	

0+00 = ℄ RD INT 1787.56 W/O
℄ INT. OF SLY & 2 E-W. DIRT ROADS
+ DIRT RD. TO S. ALONG W. LINE
OF SEC. 5 (E-W. RD.'S ARE PROD
OF NORTHERN.)

(1390.08) 378

PROFILE #5			CONT.	
B.M.	11.475			1343.22
	2.65			
2+00 E.			0.5	36.37
4+00 E.			11.51	31.36
	0.63			
6+00 E.			8.15	23.84
8+00 E.			11.47	20.52
	1.38			
10+00 E.			4.04	17.86
12+00 E.			6.81	15.09
14+00 E.			8.25	13.15
T.P.			2.42	19.48
	14.15			
T.P.			1.03	
	11.45			30
B.M.	11.475		2.85	1343.22

1298-1320

PROFILE #3

0+00 = ℄ OF N.-S. ROAD (TOTHILL EXT.) + ℄ OF E.-W. ROAD (INDIANSWOOD EXT. TO W.)

ERM. #518				1308.77
	11.12	1319.89		
0+00			10.84	09.05
2+00 N.			9.01	10.88
4+00 N.			6.21	13.18
6+00 N.			5.41	14.48
8+00 N.			4.40	15.49
10+00 N.			3.52	16.32
12+00 N.			2.72	17.17
14+00 N.			1.78	18.11

EZM. * 5.18				1308.77
	2.01	1311.28		
2+00 S.			4.14	07.14
4+00 S.			5.65	05.63
6+00 S.			2.00	04.28
8+00 S.			2.45	01.83
10+00 S.			12.03	99.25
12+00 S.			12.48	98.80
14+00 S.			7.63	03.65

WLB

WHITE TANKS LEVELS & ECMS

D.G.

10/22/91

STA	+	H.I.	−	EL
BM				1051.34
	7.14			
T.P.			2.95	
	8.84			
T.P.			3.33	
	9.06			
T.P.			3.08	
	7.72			
T.P.			2.89	
	8.57			
ERM #524			0.98	79.44
	4.98			
T.P.			3.65	
	8.79			
T.P.			1.48	
	2.87			
T.P.			3.76	
	6.30			
T.P.			2.83	
	5.01			
ERM #523			0.21	1100.56
	2.49			
T.P.			6.64	
	5.24			

ERM #191 B.C. IN H.H. AT PERRYVILLE RD & MC DOWELL

B.C. IN H.H. AT MC DOWELL & JACKRABBIT RD (195TH AVE)

3" I.P. CENTER OF PAVEMENT ON MC DOWELL 20±25' E/O BARRICADE AT FLOOD CONTROL CHANNEL, S/E COR. SEC. 31, T-2N., R-2W.

T.P.		0.34		
	5.36			
T.P.		2.53		
	2.28			
T.P.		1.52		
	2.04			
T.P.		4.22		
	6.96			
ERM #522		4.25	1114.78	
	2.60			
T.P.		0.99		
	9.67			
T.P.		0.52		
	9.11		38.12	
ERM #190		1.25	1138.40	
	0.15			
T.P.		14.20		
	1.97			
T.P.		8.86		
	4.10			
ERM #522		6.82	1114.74	
	4.71			
T.P.		5.88		
	3.96			
T.P.		5.66		

PD STEEL PIN 0.8' BELOW SURFACE
S/W SEC. 31, T-2W, R-2W

5.89
5.13 15.49

	5.24			
T.P.		7.82		
	2.70			
T.P.		8.11		
	3.92			
T.P.		4.95		
	1.60			
T.P.		8.16		
	5.36			
E.P.U.	5.23	4.06	1100.39	
	0.46			
T.P.		5.16		
	4.10			
T.P.		6.24		
	4.31			
T.P.		6.38		
	5.21			
T.P.		2.60		
	2.31			
T.P.		2.47		
	4.87			
E.P.U.	5.24	5.60	1099.44	
	4.83			
T.P.		9.66		

	3.95				
T.P.			5.22		
	1.01				
T.P.			6.26		
	1.37				
T.P.			6.46		
	2.42				
T.P.			7.02		
	4.11				
B.M.			7.27	1051.36 34	

ERM #191

*					
B.M. ERM #91				1251.30	
	9.02				
T.P.			0.78		
	9.52				
T.P.			0.33		
	12.87				
T.P.			1.04		
	8.12				
T.P.			1.31		
	9.02				
T.P.			0.49		
	7.34				
ERM # 506			3.84	1299.40	
	8.72				
T.P.			1.84		
	13.55				
T.P.			0.76		
	14.35				
T.P.			0.47		
	14.53				
T.P.			0.82		
	12.01				
T.P.			0.60		
	14.48				
T.P.			0.20		

1" OPEN PIPE IN POTHOLE ON OLIVE
0.5 MILES E OF BEAUDOUR CANAL
EL. = 1251.30

1" PIPE IN H.H. ℄ OF OLIVE N/W COR.
SEC. 33

519

521

520

	13.17				
T.P.			0.06		
	13.07				
T.P.			0.8[illegible]		
	11.01				
ERM"	505		4.35	14.04.33	
	20.62				
T.P.			0.89		
	18.48				
T.P.			0.12		
	20.87				
T.P.			0.17		
	21.00				
T.P.			0.42		
	19.14				
T.P.			0.68		
	1.37				
T.P.			17.10		
	0.51				
T.P.			23.79		
	0.83				
T.P.			16.02		
	4.32				
T.P.			0.66		
	24.39				

IRON PIN IN HIGH ℄ OLIVE N/W COR
OF SEC. 32 @ PARK ENTRANCE

519

521

520

T.P.			0.22		
	24.24				
T.P.			0.12		
	24.84				
T.P.			0.25		
	6.11				
ERM #503			10.38	1511.28	
	1.24				
T.P.			23.9		
	2.99				
T.P.			15.86		
	3.49				
T.P.			16.65		
	0.52				
T.P.			5.55		
	8.93				
T.P.			5.02		
	5.02				
T.P.			2.23		
	12.07				
T.P.			0.53		
	11.01				

[illegible] BOX N. END OF LONG HEADWALL
[illegible] SIDE OF WHITE TANKS MAIN RD.
[illegible] MILES SLY ALONG SAME RD.
[illegible] WATERFALL CANYON RD.

E.R. M# 500			5.94	1475.87	
	2.66				
T.P.			11.85		
	4.59				
T.P.			8.41		
	1.58				
T.P.			9.22		
	0.96				
T.P.			12.16		
	1.23				
T.P.			10.03		
	1.61				
T.P.			9.92		
	1.26				
T.P.			9.96		
	1.43				
T.P.			9.94		
	2.22				
T.P.			7.89		
	2.17				
T.P.			13.42		
	3.16				
T.P.			9.71		
	1.85				

CHISEL BOX N/W COR. A.P.S. TRANS.
PAD 33' SLY. & 33 ELY. FROM ℄ INT.
WHITE TANKS MNTN. RD & FORD
CANYON RD.

519

521

520

T.P.			2.89		
	4.12				
T.P.			11.06		
	1.65				
T.P.			10.88		
	0.97				
T.P.			9.38		
	5.66				
T.P.			10.41		
	1.99				
T.P.			8.68		
	6.57				
EQM #501			6.37	1343.72	
	13.00				
T.P. "B"			2.48	1354.24	
	12.10				
T.P.			5.26		
	5.56				
T.P.			5.50		
	5.51				
T.P.			4.58		
	4.93				
T.P.			5.43		
	5.04				

CHISEL X IN CONC. BASE OF FEN. POST W. SIDE TRILBY WASH LEVY ± 250' S. OF SEC. LINE, WHICH IS CACTUS RD. PROD

519

521

520

T.P.			5.41		
	5.23				
ERM #504			22.00	1344.93	
	3.76				
T.P.			11.83		
	0.47				
T.P.			10.70		
	0.16				
T.P.			12.34		
	1.43				
T.P. "A"			7.22	1308.66	
	0.80				
T.P.			8.11		
	4.16				
T.P.			10.34		
	0.72				
T.P.			9.31		
	1.95				02
B.M. #26			8.50	1280.05	
	6.13				
T.P.			4.20		
	5.33				
T.P.			10.67		
	4.87				

CHISEL X ON CONC. BASE OF FEN. POST ± 250' N. OF PROD OF PEORIA ST. OF E. SIDE OF TRILBY WASH LEVY 0.33 MILES N. + E. FROM GATE AT S. END OF LEVY

SW COR CONC BOX OVER EAST BOUND DITCH AT INT. OF BEARDSLEY CANAL & PEORIA

519

521

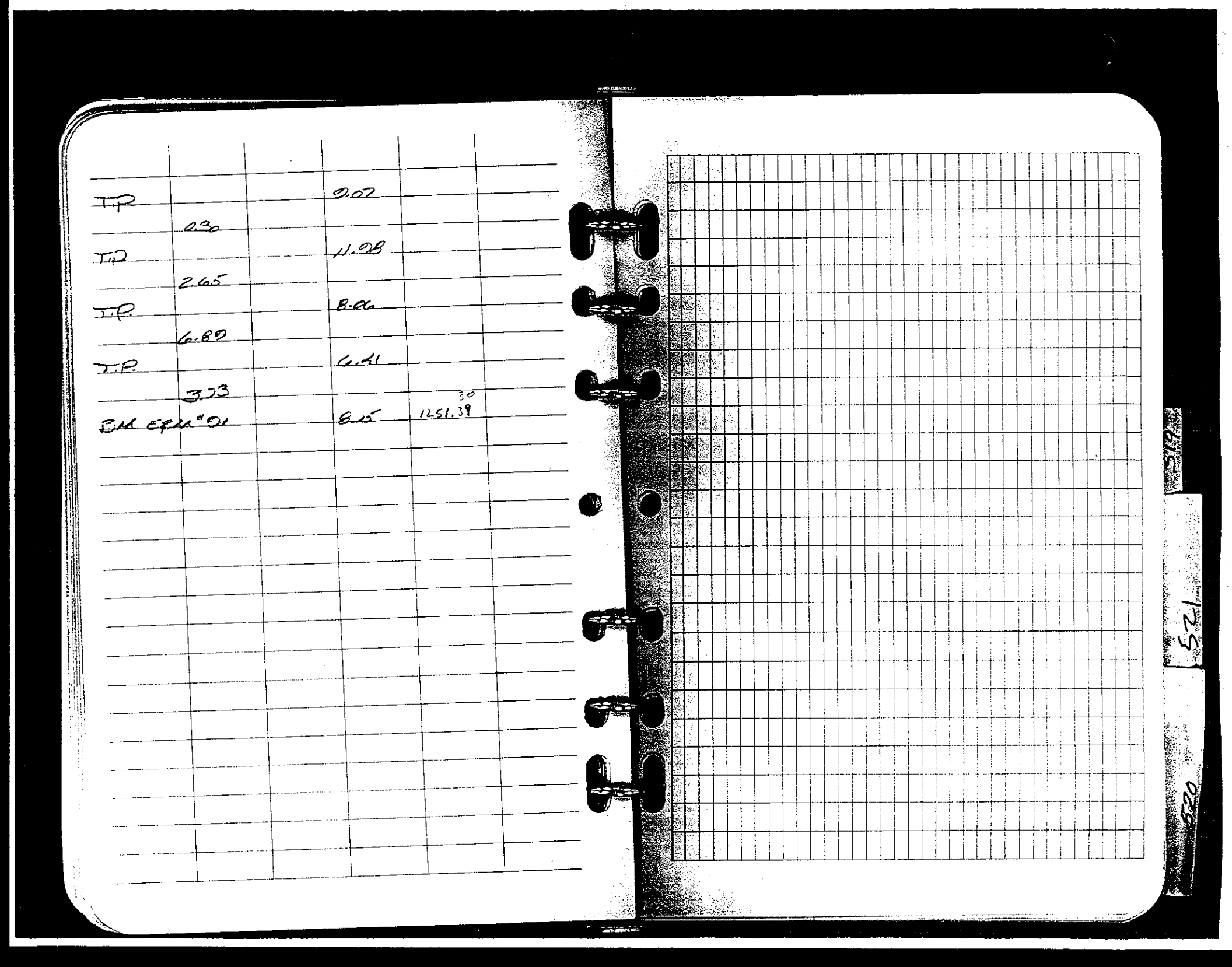
520

T.P.			9.07		
	0.30				
T.P.			11.98		
	2.65				
T.P.			8.06		
	6.89				
T.P.			6.41		
	3.23				
BM EPM #91			8.15	1251.39 30	

519

521

520



TBM				1354.24
	12.13			
T.P.			12.53	
	0.51			
T.P.			9.74	
	0.58			
T.P.			9.31	
	4.83			
T.P.			8.16	
	1.44			1326.20
B.M.	ERM #502		2.84	1326.15

(K: POOR) 1325.74

SEE WHITE TANKS BK. #4

TP B 1ST T.P. AFTER ERM 507

U.S.C. & G.S. B.M. M265 @ CACTUS & E. SIDE OF BEARDSLEY CANAL, B.C. IN HEADWALL

519

521

520

BM	M-475			1343.22
	330			
T.P.			10.47	
	2.16			
T.P.			11.99	
	1.01			
T.P.			10.47	
	2.20			
T.P.			7.40	
	4.29			
T.P.			4.32	
	2.22			
T.P.			8.35	
	3.56			
ERM #510			6.44	1309.52
	0.73			
T.P.			14.41	
	0.50			
T.P.			13.70	
	1.40			
T.P.			14.22	
	2.67			
T.P.			9.26	
	2.58			
ERM #510 A			5.81	1254.95

3" ALUM. CAP S. SIDE DRT RD. PROD
OF GLENDALE 37 MILES W. OF S/W
COR. OF SEC. 5

S/W COR SEC. 5 (PROD GLENDALE)

519

521

520

	5.57				
T.P.			9.20		
	0.36				
T.P.			9.97		
	2.07				
T.P.			12.40		
	0.15				
T.P.			10.77		
	1.28				
[illegible]	#511		8.45	1213.89	
	8.12				
T.P.			0.16		
	13.25				
T.P.			0.85		
	9.47				
T.P. "D"			0.67	1242.77	
	10.85				
T.P. "C"			2.62		
	9.60				
TP			4.21		
	10.33				
L-4.75			2.52	1264.[illegible]	

I.P. S/E OF SEC 5, GLENDALE & JACKRABBIT

519

521

520

BM	ERM # 510 A			1254.95
	7.01			
T.P.			10.74	
	1.54			
T.P.			6.96	
	9.31			
T.P.			1.61	
	13.46			
T.P.			3.34	
	8.76			
T.P.			4.37	
	8.94			
T.P.			6.05	1270.90
	5.50			
ERM # 513			1.89	1274.51
	6.70			
T.P.			0.54	
	7.10			
T.P.			5.66	
	6.38			
T.P.			14.39	
	2.67			
T.P.			8.79	
	2.43			

34.33

(RALEIGH PC. PT.)

CHISEL X IN BOULDER @ W. END OF BARRICADE + N. SIDE OF BETHANY HOME RD EXT + W. SIDE OF TUTHIL RD EXT.

519

521

520

T.P.			10.00		
	8.67				
EFM #516			7.20	62.08 1261.88	
	2.99				
T.P.			13.72		
	2.22				
T.P.			11.72		
	2.56				
T.P.			13.27		
	0.67				
T.P.			9.37		
	8.35				
T.P.			4.22		
	0.44				
T.P.			13.97		
	0.98				
T.P.			14.20		
	0.75				
T.P.			14.55		
	5.05			1185.68	
B.M. #147			5.58	44 1185.24	

1191.51

UPSIDE DOWN ALUM. CAP @ S/W
COR. OF SEC. 17.

N. OF JEEP T.
ON JACKR.

519

521

520

TRIG LEVELS

519

521

520

B.S. # ERM # 513	90-	12.70	-7.42	
	270-	12.69		
⊼C TBM "A"		5.28		
F.S. # TBM "B"		3.91	-13.84 (.40)	
	90-10-46	5144.40		
	269-49-42			
F.S. ERM # 52		4.14	+159.53 (.77)	3" AC "N" EDGE E-W
	88-15-35	5184.26		GRAVEL RD ± 50 S/O & ± 15 E/O
	271-44-56			NW COR SEC 18 (BC)
F.S. TBM "C"		4.83	+3.31 (.56)	
	89-57-29	3182.45		
	270-02-59			
F.S. TBM "D"		4.68	-87.03 (86.67)	
	90-55-58	5443.85		
	269-04-30			

519

521

520

185	EEM	510		
		90-		18.19
		270-		18.17
10	TBM B			4.54
TBM A				8.25
		90-10-32		
		270-11-05		

#510A 1254.96

-13.65

TBMA 1282.00

#51J 1274.59

13.40
+12.97

579

125

520

BS. TBM "A"	31-44-26	8.25
	268-16-11	
TC #512		4.68 BS
		3.52 FS
B. REIN #516	30-29-14	4.76
	269-31-29	5343.45

152.77
-100.01

5.12
L
3.52 .39
-1.97
3.76
+1.97

41
- 45.52 CH X IN HIGHEST BOULDER
± 130 S/O & 30 E/O
SW COR SEC 18 IN THE
TOP OF A SMALL HILL

519
125
020

B.S. TBM "A"			8.25
	90-01-54		
	260-59-06		
$\overline{\Lambda}$ @ TBM "C"			5.43
F.S. TBM "E"			8.25
	90-22-10		2093.11
	269-38-48		

$-3.\overset{56}{90}$

$-15.\overset{71}{93}$

#513	1274.71
A	1282.13
C	1285.69
E	1269.98
516	1262.16

519

521

520

TBM "C"		BS 3.90	+15.48 71	513	1274.71	
	89-37-30			A.	1292.13	
	270-23-32					
				512	1441.90	
$\overline{\Delta}$ @ TBM "E"		5.28		515	1396.49	
				E	1269.98	
FS #516 (ECM)			-7.82			
	90-	13.11		516	1262.16	
	270-	13.09				
FS #515 (ECM)		4.76	+126.48 53			
	88-37-32	5200.21				
	271-23-20					
TBM "F"		4.10	-18.47 39			
	90-45-00	1516.49				
	269-15-42					

519

521

520

4.69 TBM

B.S. TBM E	91-25-29	3.78	-126.59 (53)
	268-35-17		
X@ #515		5.34	
F.S. #512	89-33-51	1.89	+45.30 (41)
	270-26-56		
F.S. TBM G.		4.69	Ecc TO 518
	91-00-26	5094.58	-87.60 (59)
	269-00-75		

519

521

520

1171.54

AD TBM "D"		5.25	
BS. TBM "A"		8.25	+ 86.32 .67
	89-04-23		
	270-56-25		
FS. #131			-4.22
	90-	9.47	
	270-	9.46	
	RETURN		
BS. TBM "A"		8.25	
	89-04-24		+ 86.17 .47
	270-56-15		
AC TBM D		5.24	
FS #131			
	90-	9.48	-4.24
	270-	9.47	

519

521

520

RETURN

$\overline{\Lambda C}$ TBM "A"		5.32
F.S. TBM "D"	90-53-39	8.25
	269-06-59	

TBM "A" 1282.13
− 86.47
TBM "D" 1195.66
− 4.22
#131 1191.44 54

− 86.77 47

519

521

520

B.S. # 515		8.25'	+87.58 59
	88-59-14		
	271-01-01		
π TBM "G"		5.05'	
F.S. TBM "H" (E.)		12.25	−91.74 57
	90-56-44	5181.07	
	269-03-48		
F.S. TBM I		12.25	−15.67 58
	90-12-37	2409.24	
	269-48-06		
ERM # 518			B.C. @ S/W of Sec. 19
	90-	5.27	−0.22
	270-	5.26	

519

521

520

B.S. TBM "G" 12.25

89-28-20

28-32-17

TO TBM "I" 5.22

F.S. TBM "J" 12.25

91-27-08 1052.40

208-33-42

+15.50 50

+108.96 80

519

525

520

B.S. TBM "I"		12.25
	88-22-32	
	271-38-09	
TC TBM "J"		5.12
F.S. TBM "K"		12.25
	89-55-41	3791.57
	270-04-58	
F.S. ERM #520		
	90-	5.09
	270-	5.08

+108.44 .80

-1.21 .53

SET 3" ALUM. CAP W. SIDE OF
N.-S. RD. (AIRPORT EXT.) @ INT.
OF ROAD TO N/E APPROX. 1200'
S. OF SEC. COR. 25/30 | 36/31
+0.03

519

521

520

520

B.S. TBM "J"		12.25	
	89-53-02		+1.36 53
	270-07-45		
⊼ TBM "K"		5.19	
F.S. TBM "L"		12.25	−8.27 25
	90-03-12	1512.21	
	269-57-28		

519

521

BS TBM "K"		12.25	
	89-25-52		
	270-34-50		
~~TC~~ TBM "L"			5.25
ES. ERM #521			
	90-	3.14	
	270-	3.13	
ES# TBM "H"		12.09	
	89-30-10	54.69 30	
	270-30-42		

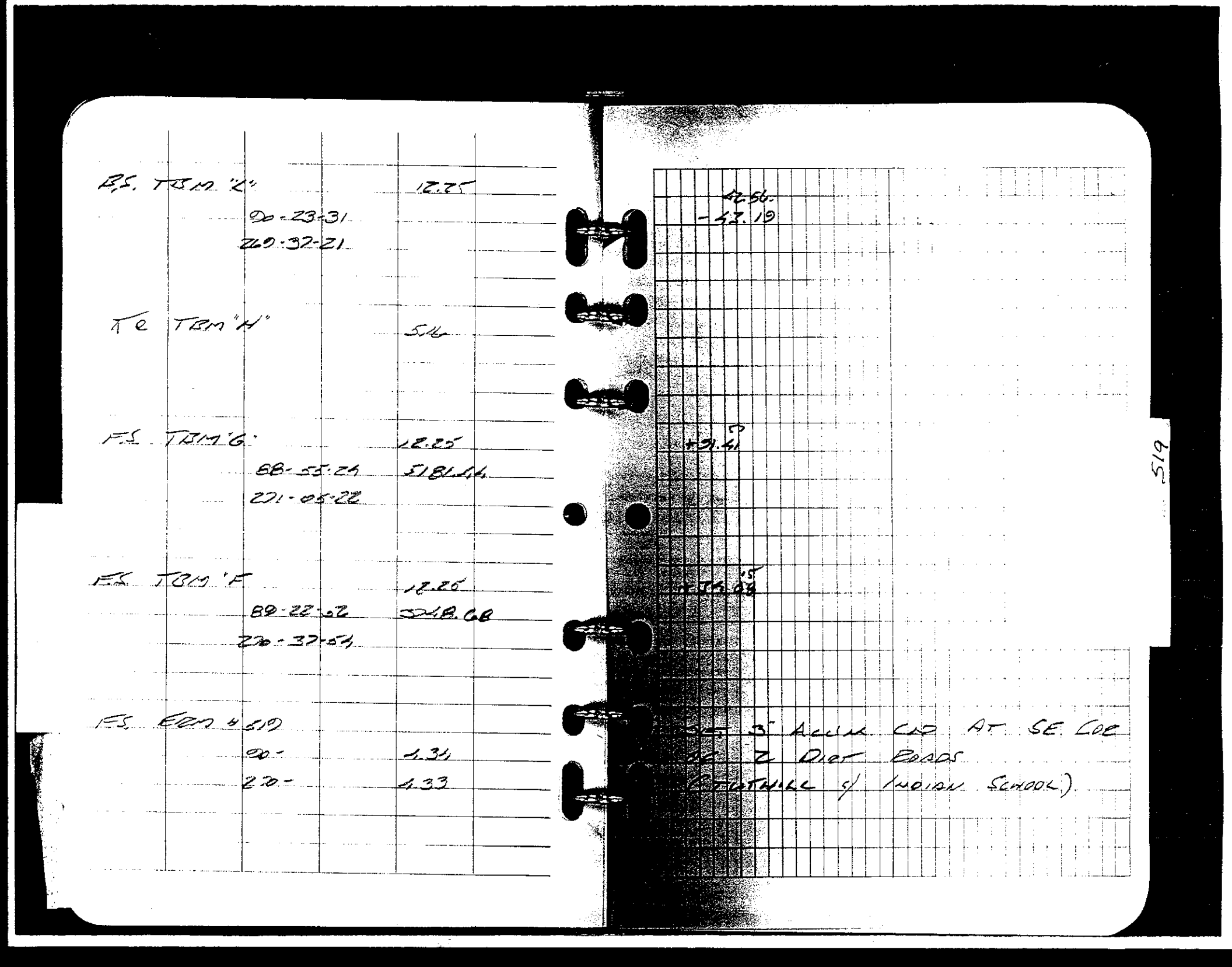
25
+ 8.22

SET 3" ALUM. CAP IN TOP OF BURM ON W. SIDE OF N.S. RD. @ INT. OF RD. TO S/W. ± 200' S/O SEC. COR. 30 29 / 31 32

42.56
+ 41.94

519

521

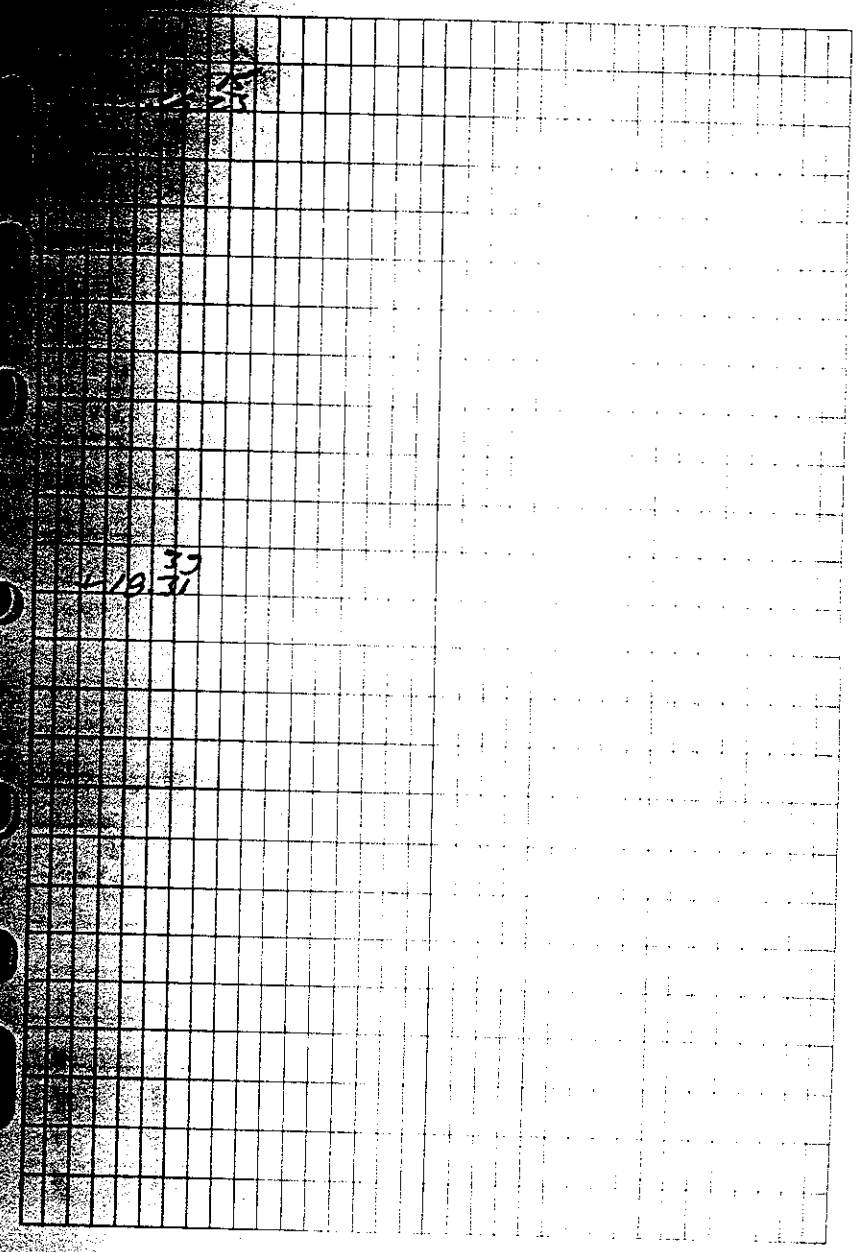


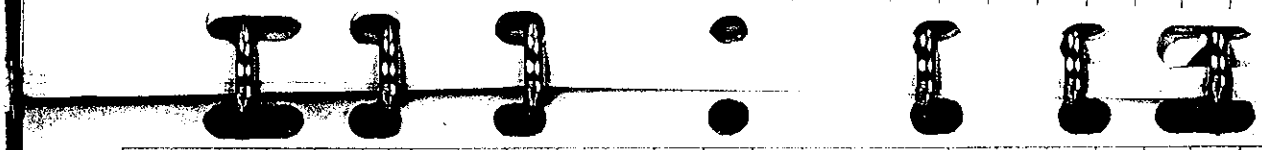
B.S. TBM "L"		12.25	42.56
	90-23-31		-43.19
	269-37-21		
Te TBM "H"		5.16	
F.S. TBM "G"		12.25	+91.41
	88-55-24	5181.44	
	271-05-22		
F.S. TBM "F"		12.25	+34.08
	89-22-52	5248.68	
	270-37-54		
F.S. ERM # 519			
	90-	4.34	
	270-	4.33	

[illegible] 3" ALUM CAP AT SE COR
[illegible] 2 DIRT ROADS
(FOOTHILL S/ INDIAN SCHOOL)

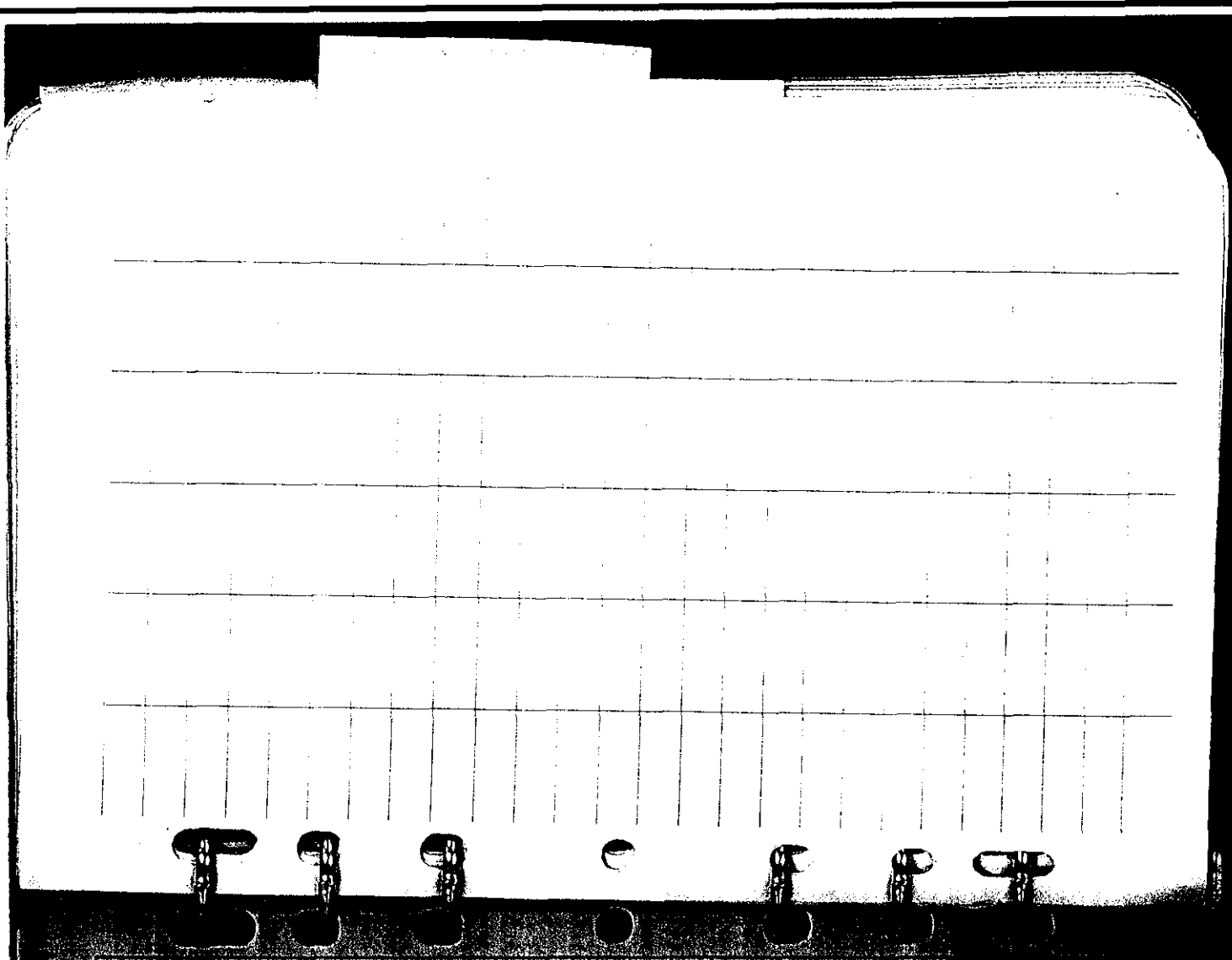
519

B.S.	TBM "H"		4.75
		90-32-20	
		269-28-20	
TC	TBM "F"		5.12
F.S.	TBM "E"		4.00
		89-21-29	
		270-39-12	





# 520 A			1254.95
	5200	+ 19.76	
# 521			1274.71
-	600	+ 7.42	
TBM "A"			1282.13
-	5444	- 86.47	
TBM "D"			1195.66
-	TO	- 4.22	
#131			1191.44
	10,774		

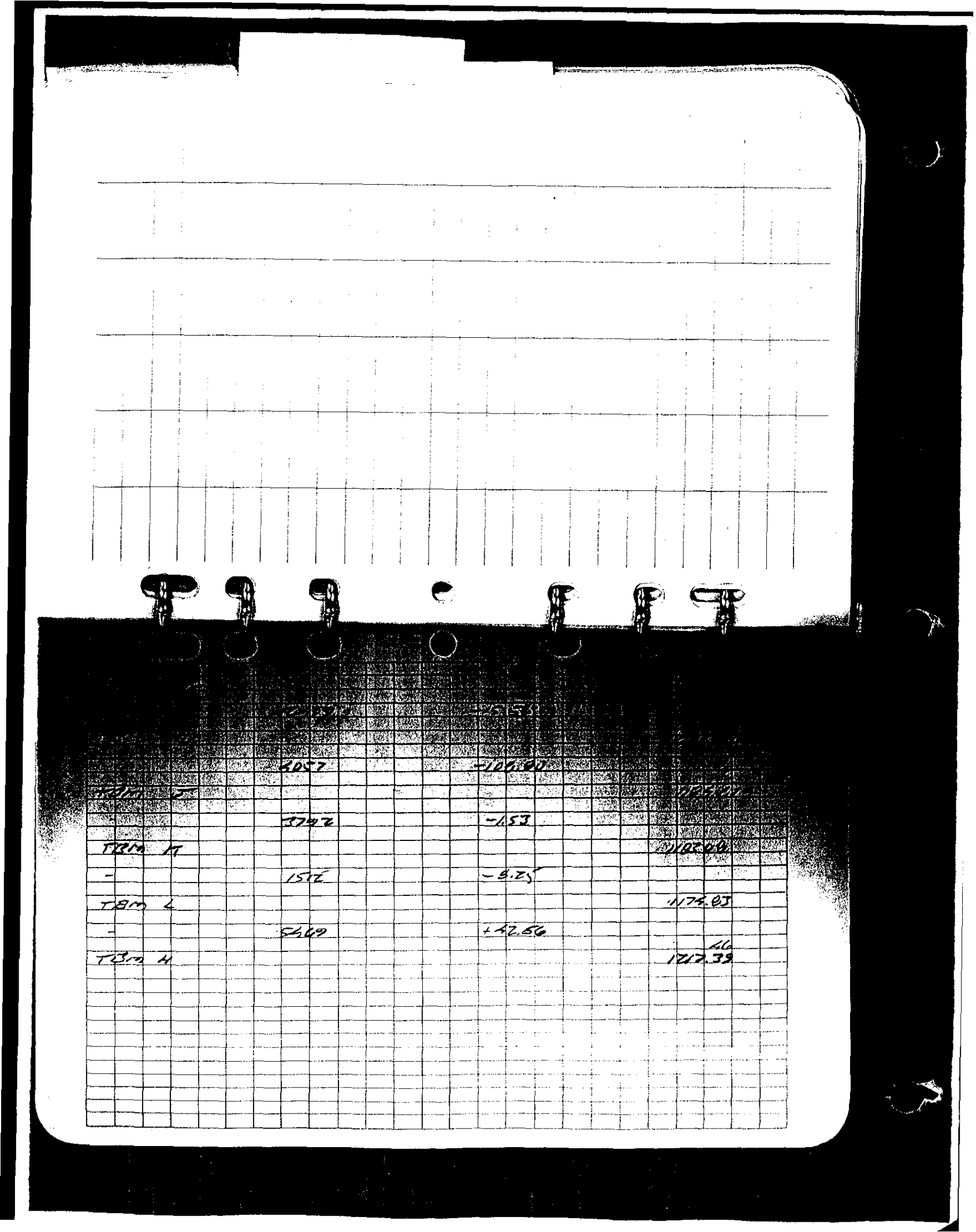


TBM A			1282.18
-	3182	+3.56	
TBM C			1285.74
-	2093	-15.71	
TBM E			1270.03
-	5200	+126.53	
#515			1396.56
-	5343	+45.41	
#512			1441.97
-	5184	-159.77	
TBM A			1282.20
	21,002		

TBM "E"

#516

#515			[illegible]
-	5095	-87.59	
			.99
TBM "G"			1308.96
-	5181	-91.57	
			.46
TBM "H"			1217.39
-	3749	+34.15	
			.63
TBM "F"			1251.54
-	1516	+18.39	
			70.03
TBM "E"			1263.93
	15,541		
		— # —	
TBM "G"			1308.99
-		-0.22	
ERM 518			1308.77



	[illegible]	[illegible]	
	4057	-105.80	
TBM J			[illegible]
-	3792	-1.53	
TBM K			1102.08
-	1512	-8.25	
TBM L			1174.83
-	5469	+42.56	
TBM H			46 1217.39