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FLOOD STUDY
TECHNICAL DATA NOTEBOOK

for

WHITE TANKS/AGUA FRIA AREA DRAINAGE MASTER STUDY

APPENDIX B
VOLUME 2 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

#3

WHITE TANKS

LIETZ
SINCE 1882

TRANSIT FIELD BOOK

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WHITE

THNKS

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#3

INDEX

PT 83-84	P 1
PT 73-74	P 4
PT 200-219	P 7

PT 83 - 84
LEVEL PENTEX ALMSC
COLD CLOUDY WINDY
W B CRUZ
T K GOMEZ
FEB 1 1990

STA	+	π	−	ELEV	TP
	5.23				
			5.13		1
	4.96				
			5.94		2
	5.10				
			6.25		3
	5.45				
			6.30		4
	5.01				
			6.00		5
	4.61				
			6.11		6
	4.66				
			5.56		7
	5.67				
			5.49		8
	5.90				9
			4.45		9
	5.66				
			4.67		10
	5.61				
			4.59		11
	5.58				
			4.76		12

PT #83 5/8" PIN

PT #83 PANEL ELEV.

PT #84 1/2" IP IN HAND HOLE

PANEL ELEV

STA	+	x	−	ELEV	TP
	5.53				
			4.41		13
	5.96				
			5.30		

PT #83

+0.03

PT 73 - 74
LEVEL RENTOX ALTM SO
~~JEN~~ FEB 2 1990
COOL CLEAR
~~KW~~ B CRUZ
T K GOMEZ

STA	+	π	−	ELEV	TP
	3.63				
			7.28		1
	4.43				
			6.01		2
	5.26				
			3.25		3
	2.28				
			6.04		4
	5.35				
			5.84		5
	4.81				
			5.55		6
	5.03				
			4.91		7
	4.96				
			4.49		8
	4.84				
			4.88		9
	5.71				
/			5.14		10
	6.26				
			5.46		11
	6.43				
			5.38		12

PT 73 BC IN HAND Hole

8A RRS IN PP #$\frac{3}{13}$

PT# 74 CS IN PP #$\frac{3}{7}$

STA	+	π	−	ELEV	T/P
	6.39				
			4.66		13
	7.27				
			3.80		

PT # 73 BC IN Hand Hole
+0.04

PT # 200 – 219 VIA E&E
DY SART & VAN BURAN
FEB 2 1990
MJB CRUZ
TK GOMEZ
COOL CLEAR

STA	+	π	−	ELEV	TP
	4.25				
			5.72		1
	4.95				
			6.32		2
	4.83				
			5.55		3
	3.62				
			5.86		4
	5.05				
			4.99		5
	4.22				
			5.77		6
	5.03				
			6.44		7
	4.94				
			6.06		8
	5.13				
			5.96		9
	5.07				
			6.33		10
	5.66				
			6.23		11
	4.34				
			7.25		12

PT 200 B.C. IN HAND HOLE
℄ McDOWELL & DYSART

BM ℄ DYSART PANEL ACP BULLNOSE

½" IP ℄ ℄ DYSART - McDOWELL
(IN HAND HOLE)

STA	+	π	−	ELEV	T/P
	3.70				
			3.62		13
	11.20				
			0.94		14
	8.64				
			5.72		15
	5.68				
			5.54		16
	5.83				
			6.44		17
	2.79				
			11.92		18
	0.72				
			5.48		19
	7.38				
			4.39		20
	6.24				
			3.71		21
	5.34				
			4.63		22
	6.23				
			5.33		23
	6.42				
			5.19		24
	6.22				
			5.03		25

PT # 219 BC & McDOWELL

STA	+	π	−	ELEV	T/P
	6.14				
			4.99		26
	6.00				
			5.58		27
	5.99				
17+15.00			4.01		28
	6.14				
			5.02		29
	5.99				
			4.82		30
	5.30				
			4.23		

ADOT R/W MARKER (EL STAMPED 990.64)

PT #200 BC IN HAND HOLE
+0.03

2/15/90

PT 267 - 273 - TRAV PT 422 - TBM 501

D SCHWALENSTOCKER

L MITCHELL

PENTAX PAL 5-C #611743

2/16

267 - 268 - 269 - TBM 501 - TBM 502

STA	+	HI	-	ELEV	
PP#267				906.72	
	3.47	910.19			
TP-1			5.38	904.81	
	5.64	910.45			
TP-2			5.09	905.36	
	5.58	910.94			
TP-3			6.03	904.91	
	5.16	910.07			
TP-4			5.41	904.66	
	5.36	910.02			
TBM-501			3.41	906.61	906.62
	5.57	912.18			
TRBM P7422			5.35	906.83	906.84
	7.65	914.48			
PP#277			6.73	907.75	907.76
	2.49	910.24			
TP-8			5.44	904.80	
	5.58	910.38			
TP-9			5.57	904.81	
	6.21	911.02			
TP-10			5.11	905.91	
	3.64	909.55			
TP-11			4.78	904.77	
	5.26	910.03			
PP#267			3.33	906.70 V	0.02 LOW

NAIL & SHINER IN PVMT. @ SARIVAL & HWY. 85

SET CONCRETE NAIL
& PT, EAST HEADWALL @ CANAL

NAIL & SHINER IN HUB

NAIL & SHINER, RANDOM VERTICAL PANEL

STA	+	HI	−	ELEV
PP #267				906.72
	5.21	911.93		
TP-1			5.41	906.52
	5.36	911.88		
TP-2			4.31	907.57
	4.42	911.99		
TP-3			4.84	907.15
	5.82	912.97		
TP-4			4.73	908.24
	6.08	914.32		
PP #268			5.70	908.62
	6.09	914.71		
TBM-502			4.90	909.81
	4.86	914.67		
TP-7			4.57	910.10
	6.46	916.56		
TP-8			4.62	911.94
	6.14	918.08		
TP-9			5.12	912.96
	5.73	918.69		
TP-10			4.64	914.05
	4.98	919.03		
PP #269			5.85	913.18
	6.33	919.51		
PP #269			5.68	913.83

2/16/90

NAIL & SHINER IN PVMT @ SARIVAL & HWY 85

GOING EAST

NAIL & SHINER, RANDOM PANEL

SET NAIL (WEST OF PANEL) IN CONCRETE IRR. DITCH

BCSM IN HH

NORTH RIM HH (PANEL EL.)

STA	+	HI	−	ELEV
PP #269				913.83
	4.32	918.15		
TP-13			5.65	912.50
	4.62	917.12		
TP-14			5.58	911.54
	4.98	916.52		
TP-15			4.68	911.84
	5.18	917.02		
TP-16			5.82	911.20
	4.39	915.59		
TP-17			2.93	912.66
	4.01	916.67		
TBM-503			3.77	912.90
	2.53	915.43		
TP-19			4.42	911.01
	5.63	916.64		
TP-20			4.83	911.81
	8.87	920.68		
TP-21			5.22	915.46
	2.85	918.31		
TP-22			4.03	914.28
	3.50	917.78		
TP-23			5.69	912.09
	3.74	915.83		
TP-24			12.64	903.19

NORTH PIN 14H

POINT SOUTH

SW COR BRIDGE ACROSS CRUM
CONCRETE ABUTMENT

STA	+	HI	-	ELEV	
TP-24				903.19	
	5.93	909.12			
TP-25			3.56	905.56	
	4.39	909.95			
TP-26			5.97	903.98	
	4.67	908.65			
TP-27			0.72	907.93	
	4.28	912.21			
TBM-504			5.54	906.67	
	6.07	912.74			
TBM-501			6.13	906.61	✓ 0.01 LOW

(SOUTH OF CANAL)

SET STEEL SPIKE IN A POWER POLE

CONCRETE MARK @ 4 PT HEADWALL

D SCHWALEN/STOCKER
K GOMEZ

IBM -503 - PP 287 - PP-297 -
PP 298 - PP -289 - PP-270 - PP269

STA	+	HI	−	ELEV	ADJ.
TBM 503				912.90	
	4.84	917.74			
TP-1			4.67	913.07	
	7.18	920.25			
TP-2			2.23	918.02	
	8.25	926.27			
TP-3			3.09	923.18	
	6.60	929.78			
PPK 287			5.01	924.77	924.76
	5.81	930.58			
TP-5			6.00	924.58	
	4.13	928.71			
TP-6			7.52	921.19	
	2.66	923.85			
TP-7			8.92	914.93	
	1.57	916.50			
TP-8			5.84	910.66	
	4.52	915.18			
PK 297			3.96	911.22	911.21
	3.22	914.44			
TP-10			7.86	906.58	
	4.65	911.23			
TP-11			3.05	908.18	
	4.80	912.98			
TP-12			4.23	908.75	

SW COR BRIDGE ABUTMENT (CANAL)

GOING SOUTH

NAIL & SHINER IN BRIDGE

NAIL & SHINER IN ROAD

GOING EAST

STA	+	HI	−	ELEV	ADJ.
TP-12				908.75	
	6.53	915.28			
TP-13			3.56	911.72	
	5.66	917.38			
TP-14			3.77	913.61	
	3.72	917.33			
TP-15			5.84	911.49	
	4.94	916.43			
TP-16			5.39	911.04	
	6.08	917.12			
TP-17			1.44	915.68	
	8.83	924.51			
PP#298			2.97	921.54	921.51
	5.95	927.49			
PP#298			5.55	921.94	921.91
	9.04	930.98			
TP-20			2.99	927.99	
	6.91	934.90			
TP-21			5.25	929.65	
	4.80	934.45			
TP-22			7.36	927.09	
	3.34	930.43			
PP#289			6.44	923.99	923.96
	4.97	928.96			
TP-24			5.72	923.24	

GOING EAST

M.C.H.D. BCSM IN HH

NORTH RIM OF HH (PAVED EL)

GOING NORTH

M.C.H.D. BCSM IN ROAD

STA	+	HI	—	ELEV	
TP-24				923.24	
	4.94	928.18			
TP-25			6.27	921.91	
	5.29	927.20			
TP-26			6.32	920.88	
	5.57	926.45			
TP-27			5.85	920.60	
	5.57	926.17			
TP-28			5.11	921.06	
	4.87	925.93			
TP-29			4.68	921.25	
	4.94	926.19			
TP-30			5.21	920.98	
	5.53	926.51			
TP-31			4.96	921.55	
	5.41	926.96			
PP#270			4.91	922.05	922.00
	5.32	927.37			
PP#270			4.90	922.47	922.42
	5.23	927.70			
TP-34			5.10	922.60	
	5.81	928.41			
TP-35			6.12	922.29	
	6.35	928.64			
TP-36			5.20	923.44	

M.C.H.D. BCSM in HH

NORTH RIM HH (PANEL EL.)

STA	+	HI	−	ELEV	
TP-36				923.44	
	3.81	927.25			
TP-37			6.35	920.90	
	4.43	925.33			
TP-38			5.97	919.36	
	5.07	924.43			
TP-39			5.90	918.53	
	5.06	923.59			
TP-40			5.93	917.66	
	5.19	922.85			
TP-41			5.82	917.03	
	3.35	920.38			
PP #269			7.14	913.24	0.06 HIGH

M.C.H.O., BC5M in MH

PP 270 - PP-271 - PP-272 -
PP 291 - PP 290 - PP-289

STA	+	HI	−	ELEV.	ADJ.
PP#270				922.00	
	5.93	927.93			
TP-1			4.40	923.53	
	5.87	929.40			
TP-2			4.47	924.93	
	6.81	931.74			
TP-3			2.37	929.37	
	7.78	937.15			
TP-4			4.46	932.69	
	5.24	937.93			
PP#271			6.21	931.72	931.73
	5.77	937.49			
PP#271			5.64	931.85	931.86
	4.58	936.43			
TP-7			6.96	929.47	
	5.63	935.10			
TP-8			5.28	929.82	
	5.22	935.04			
TP-9			5.56	929.48	
	5.45	934.93			
TP-10			4.93	930.00	
	5.12	935.12			
PP#272			3.81	931.31	931.32
	2.40	933.71			
TP-12			5.73	927.98	

M.C.H.P. BCSM IN HH

GOING EAST

BCSM BCCOW PVMT.

PVMT. (PANEL) ELEV.

GOING EAST

NAIL & SHINER IN PVMT

STA	+	HI	−	ELEV	ADJ
TP-12				927.98	
	4.77	932.75			
TP-13			6.50	926.25	
	6.47	932.72			
TP-14			7.08	925.64	
	9.03	934.67			
TP-15			4.36	930.31	
	5.47	935.78			
TP-16			6.82	928.96	
	4.55	933.51			
TP-17			4.73	928.78	
	3.55	932.33			
TP-18			6.43	925.90	
	4.97	930.87			
TP-19			11.30	919.57	
	4.33	923.90			
PP#291			6.95	916.95	916.98
	5.60	922.55			
TP-21			5.37	917.18	
	4.49	921.67			
TP-22			5.37	916.30	
	5.23	921.53			
TP-23			4.92	916.61	
	5.17	921.78			
TP-24			3.43	918.35	

GOING SOUTH

RANDOM RODEO, MARC & SHAWER

STA	+	HI	−	ELEV	
TP-24				918.35	
	7.88	926.23			
APP 290			4.37	921.86	921.89
	4.92	926.78			
TBM-505			7.31	919.47	919.50
	5.55	925.02			
TP-27			5.13	919.89	
	4.67	924.56			
TP-28			6.39	918.17	
	5.68	923.85			
TP-29			7.80	916.05	
	11.44	927.49			
APP 289			3.57	923.92 ✓	0.04 LOW

N/A/C & SHIMMER

NE COR FLOOD GATE

2-22-90

(24)

D SCHWAGENSTOCKER
K. GOMEZ

971.25

PP249 - PP250 - PP233 - PP232 - PP231
PP250 - PP251 - PP250

	REG LEVEL +	−
10'	5.40	
200'		4.78
10'	5.21	
200'		5.84
	10.61	10.62 ✓

STA	+	HI	−	ELEV	ADJ
AP249				947.64	
	6.37	954.01			
TP-1			3.38	950.63	
	7.86	958.49			
TP-2			3.43	955.06	
	3.98	959,04			
TP-3			6.74	952.30	
	4.48	956.78			
TP-4			5.63	951,15	
	4.52	955.67			
TP-5			4.99	950.68	
	4.60	955,28			
TP-6			4.40	950.88	
	6.52	957.40			
TP-7			4.61	952.79	
	5.85	958,64			
TP-8			5.05	953.59	
	4.67	958,26			
PPA250			6.14	952.12	952.11
	6.36	958.48			
PPA250			5.78	952.70	952.69
	6.84	959.54			
TP-11			4.13	955.41	
	6.65	962.06			
TP-12			4.01	958.05	

M.C.H.O. BCSM in HH Sarival & Lower Buckeye

M.C.H.O BCSM in HH Lower Buckeye & Estrella (Reams)

PVMT. (PANEL) ELEVATIONS

STA	+	HI	−	ELEV	ADJ
TP-12				958.05	
	6.35	964.40			
TP-13			4.14	960.26	
	6.07	966.33			
TP-14			4.60	961.73	
	5.91	967.64			
TP-15			4.28	963.36	
	5.88	969.24			
TP-16			4.41	964.83	
	6.35	971.18			
TP-17			3.88	967.30	
	6.79	974.09			
TP-18			4.55	969.54	
	6.33	975.87			
PP#233			4.01	971.86	971.85
	5.00	976.86			
PP#233			4.33	972.53	972.52
	5.73	978.26			
TP-21			2.87	975.39	
	3.57	978.96			
TP-22			4.97	973.99	
	4.86	978.85			
TP-23			4.71	974.14	
	4.84	978.98			
TP-24			5.08	973.90	

CONCRETE IN HH YUMA & ESTRELLA

NORTH RIM HH (PANEL ELEV.)

STA	+	HI	−	ELEV	ADJ.
TP-24				973.90	
	4.33	978.23			
PP#232			3.91	974.32	974.30
	5.12	979.44			
TP-26			2.50	976.94	
	2.54	979.48			
TP-27			7.20	972.28	
	3.31	975.59			
TP-28			5.89	969.70	
	5.39	975.09			
TP-29			5.61	969.48	
	5.47	974.95			
PP#231			3.68	971.27	0.02 HIGH

STEEL SPIKE IN PVMT.

M.C.H.D. BCSM IN HH @ SARIVAC & YUMA

STA	+	HI	-	ELEV	ADJ.
PP#250				952.11	
	5.11	957.22			
TP-1			5.61	951.61	
	4.28	955.89			
TP-2			5.82	950.07	
	2.21	952.28			
TP-3			6.85	945.43	
	4.33	949.76			
TP-4			6.33	943.43	
	5.28	948.71			
PP#251			3.08	945.63	
	3.34	948.97			
TP-6			4.43	944.54	
	6.56	951.10			
TP-7			4.03	947.07	
	9.08	956.15			
TP-8			5.60	950.55	
	6.37	956.92			
TP-9			5.01	951.91	
	5.56	957.47			
PP#250			5.37	952.10✓	0.01 low

M.C.H.D. BCSM IN HH LOWER BUCKEYE ESTATES

NAIL & SHINER

M.C.H.D. BCSM IN HH

PP 233 - PP 214 - PP 215 - PP 216 - PP 234
- PP 233

STA	+	HI	-	ELEV	
PP#233				972.52	
	6.05	978.57			
TP-1			4.16	974.41	
	6.60	981.01			
TP-2			4.76	976.25	
	6.91	983.16			
TP-3			4.72	978.44	
	6.80	985.24			
TP-4			4.04	981.20	
	6.61	987.81			
TP-5			4.58	983.23	
	6.12	989.35			
TP-6			4.81	984.54	
	6.03	990.57			
TP-7			3.62	986.95	
	4.70	991.65			
TP-8			4.26	987.39	
	5.84	993.23			
PP#214			3.74	989.49	989.49
	4.45	993.94			
PP#214			3.67	990.27	990.28
	4.67	994.94			
TP-11			5.73	989.21	
	4.66	993.87			
TP-12			4.96	988.91	

NORTH RIM HH

M.C.H.D BCSM IN HH ESTRELLA & VAN BUREN

PUMP (RANEL) ELEV.

STA	+	HI	−	ELEV	ADJ
TP-12					988.91
	5.02	993.93			
TP-13			6.33	987.60	
	1.89	989.49			
TP-14			6.15	983.34	
	3.19	986.53			
PP#215			6.22	980.31	980.32
	3.02	983.33			
TP-16			5.04	978.29	
	7.34	985.63			
TP-17			0.20	985.43	
	7.72	993.15			
TP-18			4.89	988.26	
	3.20	991.46			
TP-19			4.85	986.61	
	4.71	991.32			
PP#216			3.55	987.77	987.78
	4.55	992.32			
PP#216			4.28	988.04	988.05
	5.20	993.24			
TP-22			7.61	985.63	
	4.41	990.04			
TP-23			6.60	983.44	
	5.51	988.95			
TP-24			6.33	982.62	

RR SPIKE IN PUMT

½" I.P. BELOW PUMT @ VAN BUREN & BULLARD

NORTH X-OUT MAG, PUMT (PAINED) ELEV.

STA	+	HI	−	ELEV	ADJ.
TP-24				982.62	
	5.31	987.93			
TP-25			6.75	981,18	
	4,97	986,15			
TP-26			6.41	979,74	
	6.02	985,76			
TP-27			6.24	979.52	
	4.81	984,33			
TP-28			6,15	978,18	
	5,48.	983.66			
TP-29			5.54	978.12	
	5,27	983,39			
PP#234			6.22	977,17	977,19
	5.45	982.62			
PP#234			5.03	977.59	977,61
	2.78	980,37			
TP-32			6.81	973,56	
	2,13	975,69			
TP-33			6.94	968.75	
	0.75	969,50			
TP-34			7,63	961,87	
	5.43	967,30			
TP-35			2,66	964,64	
	6.83	971,47			
TP-36			2.75	968.72	

NAIL W CONCRETE IN HH YUMA & BUCCARO

PUMT. (PANEL) ELEV.

STA	+	HI	−	ELEV	ADJ.
TP-36				968.72	
	6.25	974.97			
TP-37			4.43	970.54	
	5.56	976.10			
TP-38			4.84	971.26	
	5.28	976.54			
TP-39			5.30	971.24	
	5.51	976.75			
PP#233			4.25	972.50	0.02 LOW

NORTH RIM // //

2/23/90

(34)

D SCHWALENSTOCKER ⊡ ⊼

K. GOMEZ ϕ

PP 216 - PP 217 - PP 199 - PP 198
- PP 197 - PP 216

997.45R

PENTAX AL M5c 611743

STA	+	HI	-	ELEV	
PP#216				988.05	
	5.52	993.57			
TP-1			4.91	988.66	
	4.02	992.68			
TP-2			5.89	986.79	
	4.36	991.15			
TP-3			4.70	986.45	
	5.01	991.46			
TP-4			4.05	987.41	
	4.74	992.15			
TP-5			4.30	987.85	
	5.33	993.18			
TP-6			3.09	990.09	
	4.27	994.36			
TP-7			7.52	986.84	
	2.67	989.51			
TP-8			7.23	982.28	
	3.70	985.98			
PP#217			6.10	979.88	979.90
	5.56	985.44			
PP#217			5.15	980.29	980.31
	4.93	985.22			
TP-11			4.40	980.82	
	5.48	986.30			
TP-12			4.32	981.98	

NORTH X-CUT MAIN BULLARD & VAN BUREN

M.C.H.P. BCSM IN HH VAN BUREN & LITCHFIELD

NORTH RIM HH (PANEL-C ELEV)

STA	+	HI	−	ELEV	ADJ
TP-12				981.98	
	6.96	988.94			
TP-13			4.98	983.96	
	5.55	989.51			
TP-14			4.87	984.64	
	6.40	991.04			
TP-15			4.99	986.05	
	5.83	991.88			
TP-16			4.83	987.05	
	6.06	993.11			
TP-17			4.68	988.43	
	5.88	994.31			
TP-18			3.72	990.59	
	4.88	995.47			
PP#199			4.73	990.74	
	5.60	996.34			
PP#199			5.11	991.23	
	5.79	997.02			
TP-21			5.24	991.78	
	5.24	997.02			
TP-22			5.02	992.00	
	3.84	995.84			
TP-23			5.53	990.31	
	5.78	996.09			
TP-24			5.01	991.08	

M.C.H.D. BCSM IN HH LITCHFIELD & MCDOWELL

NORTH RIM HH (PANEL ELEV.)

STA	+	HI	−	ELEV.	ADJ.
TP-24				991.08	
	5.32	996.40			
PP# 198			4.90	991.50	
	4.94	996.44			
TP-26			4.32	992.12	
	6.27	998.39			
TP-27			4.82	993.57	
	5.90	999.47			
TP-28			4.80	994.67	
	6.31	1000.98			
TP-29			4.63	996.35	
	6.05	1002.40			
PP# 197			5.01	997.39	(R) 997.45
	3.90	1001.29			
TP-31			5.51	995.78	
	5.36	1001.14			
TP-32			5.76	995.38	
	5.63	1001.01			
TP-33			5.78	995.23	
	5.43	1000.66			
TP-34			5.84	994.82	
	4.97	999.79			
TP-35			6.14	993.65	
	4.83	998.48			
TP-36			6.06	992.42	

CONCRETE NAIL IN PUNT.

A.K. NAIL & SHINER McDOWELL & BOLLEND

STA	+	HI	−	ELEV	ADJ.
TP-36				992.42	
	4.30	996.72			
TP-37			6.78	989.94	
	4.67	994.61			
TP-38			6.05	988.56	
	4.45	993.01			
PP#216			4.99	988.02	V 0.03 LOW

NORTH X-CUT NAIL (PANEL EL.)

2/27/90

G34

D SCHWALENSTOCKER ⊼ ⊓⊓

K GOMEZ ϕ

PP167 - PP-168 - PP 169 - PP167

STA	+	HI	−	ELEV	ADJ
PP#167				1029.71	
	4.90	1034.61			
TP-1			5.67	1028.94	
	4.43	1033.37			
TP-2			5.48	1027.89	
	5.33	1033.22			
TP-3			5.62	1027.60	
	5.28	1032.88			
TP-4			5.77	1027.11	
	5.22	1032.33			
PP#168			5.31	1027.02	1027.01
	5.61	1032.63			
PP#168			5.26	1027.37	1027.36
	4.71	1032.08			
TP-7			5.30	1026.78	
	5.11	1031.89			
TP-8			4.98	1026.91	
	5.63	1032.54			
TP-9			5.34	1027.20	
	5.58	1032.78			
TP-10			4.80	1027.98	
	4.33	1032.31			
PP#169			5.73	1026.58	1026.56
	6.75	1033.33			
TP-12			5.74	1027.59	

M.C.H.D. BCSM IN HB BULGARO & INDIAN SCHOOL

5/8" I.P. BELOW PUNT.

PUNT - PANEL ELEV

RANDOM PANEL, INDIAN P.K. NAIL & SCHOOL & SHINER & LITCHFIELD

STA	+	HI	-	ELEV	ADJ.
TP-12				1027.59	
	4.79	1032.38			
TP-13			4.80	1027.58	
	4.81	1032.39			
TP-14			5.35	1027.04	
	4.58	1031.62			
TP-15			5.20	1026.42	
	5.94	1032.36			
TP-16			5.38	1026.98	
	5.05	1032.03			
TP-17			4.67	1027.36	
	5.14	1032.50			
TP-18			4.84	1027.66	
	5.65	1033.31			
TP-19			3.99	1029.32	
	3.93	1033.25			
PP#167			3.51	1029.74	✓ O.B HIGH

M.C.H.D BCSM in HH

D SCHWALENSTOCKER π $\square$

K GOMEZ ϕ

PP 170 - PP 171 - PP 172 - PP 170

STA	+	HI	−	ELEV	ADJ.
PP#170				1023.11	
	4.70	1027.81			
TP-1			3.98	1023.83	
	5.46	1029.29			
TP-2			4.69	1024.60	
	5.90	1030.50			
TP-3			4.78	1025.72	
	5.51	1031.23			
TP-4			4.87	1026.36	
	5.67	1032.03			
PP#171			4.14	1027.89	1027.87
	4.85	1032.74			
PP#172			4.63	1028.11	1028.09
	5.32	1033.43			
TP-7			4.36	1029.07	
	5.83	1034.90			
TP-8			4.96	1029.94	
	1.72	1031.66			
TP-9			10.33	1021.33	
	3.62	1024.95			
TP-10			6.97	1018.02	
	3.58	1021.60			
TP-11			6.13	1015.47	
	5.31	1020.78			
TP-12			5.25	1015.53	

M.C.H.D. BCSM IN HH DYSART & INDIAN SCHOOL

~~B.C.H.D.~~ BCSM IN HH

NORTH RIM HH

STA	+	HI	-	ELEV	ADJ
TP-12				1015.53	
	5.34	1020.87			
PP#172			3.43	1017.44	1017.40
	3.24	1020.68			
TP-14			5.57	1015.11	
	5.45	1020.56			
TP-15			4.43	1016.13	
	6.68	1022.81			
TP-16			3.61	1019.20	
	6.82	1026.02			
TP-17			2.24	1023.78	
	9.11	1032.89			
TP-18			2.75	1030.14	
	4.71	1034.85			
TP-19			6.24	1028.61	
	4.49	1033.10			
TP-20			6.01	1027.09	
	4.66	1031.75			
TP-21			6.28	1025.47	
	5.46	1030.93			
TP-22			7.05	1023.88	
	5.70	1029.58			
TP-23			6.08	1023.50	
	4.87	1028.37			
PP#170			5.18	1023.19	✓ 0.08 HIGH

M.C.H.O. BCSM FLUSH w/ PVMT.

M.C.H.O. BCSM IN HH

STA	+	HI	-	ELEV
PP#200				994.34
	4.64	998.98		
#429			4.59	994.39
	4.28	998.67		
PP#200			4.33	994.34

FROM PHASE 2 HORIZONTAL CONTROL
FIELD BOOK PAGE 44

T @ 429 HI = 5.34
F.S. PP#187 HRFT = 8.43

ZN = 89-57-48
SD = 7438.32
CHG EL = 2.81
EL PP#187 = 997.20

F.S. PP#202 HT = 20.26
ZN = 90-00-06 S.D. = 5203.88
CHG EL = -14.51
EL PP#202 = 979.88

BCSM in HI

PANEL #187 DESTROYED

TRANSFERED ELEV. FROM PP# 200 TO TRAV PT # TO CALC. TRIG LEVEL

2-28-90

D SCHWALENSTOCKER

K GOMEZ

PP234 - PP 235 - PP-236 - PP-244 -
PP255 - PP-254 - PP253 - PP272

STA	+	HI	−	ELEV	ADJ.	
PP# 234				977.61		~~NAIL IN CONCRETE IN HH YUMA & BULLARD~~
	3.94	981.55				PVMT - PANEL ELEV.
TP-1			7.15	974.40		
	4.00	978.40				
TP-2			5.38	973.02		
	4.93	977.95				
TP-3			5.01	972.94		
	3.62	976.56				
TP-4			7.36	969.20		
	4.70	973.90				
PP# 235			5.02	968.88	968.86	P.K. & SHINER
	6.39	975.27				
TP-6			2.87	972.40		
	4.02	976.42				
TP-7			7.32	969.10		
	1.29	970.39				
TP-8			6.47	963.92		
	4.93	968.85				
TP-9			5.85	963.00		
	5.21	968.21				
PP# 236			4.78	963.43	963.39	M.C.H.D. BCSM FLUSH w/ PVMT @ WESTERN (YUMA) & LITCHFIELD
	6.07	969.50				
TP-11			3.51	965.99		
	4.54	970.53				
TP-12			6.83	963.70		

STA	+	HI	−	ELEV	ADJ.
TP-12				963.70	
	6.01	969.71			
TP-13			1.93	967.78	
	5.70	973.48			
TP-14			3.61	969.87	
	6.33	976.20			
TP-15			4.13	972.07	
	5.68	977.75			
TP-16			5.23	972.52	
	5.60	978.12			
TP-17			8.07	970.05	
	1.44	971.49			
TP-18			5.92	965.57	
	4.27	969.84			
PP#244			4.06	965.78	965.70
	5.20	970.98			
PP#244			4.80	966.18	966.10
	5.33	971.51			
TP21			12.33	959.18	
	1.36	960.54			
TP-22			5.95	954.59	
	6.08	960.67			
TP-23			5.76	954.91	
	4.43	959.34			
TP-24			5.32	954.02	

P.K. IN CONCRETE BELOW PUNT.

PUNT - RANGE ELEV.

STA	+	HI	−	ELEV	ADJ.
TP-24				954.02	
	3.97	957.99			
TP-25			6.55	951.44	
	4.80	956.24			
TP-26			6.17	950.07	
	3.60	953.67			
TP-27			5.53	948.14	
	4.58	952.72			
TP-28			6.49	946.23	
	5.30	951.53			
TP-29			2.03	949.50	
	10.24	959.74			
PPK-255			7.16	952.58	952.46
	6.62	959.20			
TP-31			6.99	952.21	
	1.57	953.78			
TP-32			8.45	945.33	
	5.46	950.79			
TP-33			4.93	945.86	
	6.13	951.99			
TP-34			3.73	948.26	
	7.34	955.60			
TP-35			4.23	951.37	
	5.88	957.25			
PPK-254			5.86	951.39	951.25

M.C.H.D. BCSM FLUSH w/PUMP.

M.C.H.D. BCSM w/ HA

STA	+	HI	-	ELEV	ADJ.
PP#254				951.39	951.25
	6.09	957.48			
PP#254			5.59	951.89	951.74
	5.58	957.47			
TP-38			4.23	953.24	
	7.35	960.59			
TP-39			1.11	959.48	
	4.75	964.23			
TP-40			4.49	959.74	
	5.88	965.62			
TP 41			4.83	960.79	
	6.15	966.94			
TP-42			4.08	962.86	
	6.35	969.21			
PP#253			4.73	964.48	964.31
	5.26	969.74			
PP#253			4.85	964.89	964.71
	3.79	968.68			
TP45			6.10	962.58	
	4.62	967.20			
TP-46			6.07	961.13	
	4.79	965.92			
TP-47			6.25	959.67	
	4.57	964.24			
TP-48			5.56	958.68	

M.C.H.D. BCSM @ CENTRAL & LOWER BUCKEYE

NORTH RIM HH = PANEL ELEV.

M.C.H.D. BCSM in HH @ LITCHFIELD & LOWER BUCKEYE

NORTH RIM HH = PANEL ELEV.

STA	+	HI	−	ELEV.	
TP-48				958.68	
	3.68	962.36			
TP-49			6.71	955.65	
	3.99	959.64			
TP-50			6.96	952.68	
	3.30	955.98			
TP-51			8.41	947.57	
	2.68	950.25			
TP-52			7.94	942.31	
	2.11	944.42			
TP-53			8.13	936.29	
	3.81	940.10			
TP-54			7.04	933.06	
	5.88	938.94			
PP#272			7.40	931.54	0.22 HIGH
PP#272				931.32	
	5.34	936.66			
TBM-506			4.93	931.73	
	4.76	936.49			
PP#272			5.17	931.32 ✓	

SET CONCRETE NAIL IN SE COR HEADWALL 2.5' NE OF RANGE

D SCHWALENSTOCKER
K GOMEZ

PP 253 - PP 252 - PP-253

STA	+	HI	−	ELEV	ADJ
PP#253				964.31	
	3.94	968.25			
TP-1			6.21	962.04	
	4.95	966.99			
TP-2			6.12	960.87	
	5.15	966.02			
TP-3			5.15	960.87	
	4.11	964.98			
TP-4			6.99	957.99	
	6.10	964.09			
TP-5			7.88	956.21	
	3.55	959.76			
TP-6			7.38	952.38	
	1.62	954.00			
TP-7			7.08	946.92	
	4.68	951.60			
TP-8			6.77	944.83	
	4.73	949.56			
PP#252			5.48	944.08	
	5.27	949.35			
TP-10			4.56	944.79	
	6.85	951.64			
TP-11			4.82	946.82	
	7.05	953.87			
TP-12			1.46	952.41	

M.C.H.D. ACSA IN MH

NAIL & SHINER IN PAINT

STA	+	HI	-	ELEV	ADJ.
TP-12				952.41	
	7.27	959.68			
TP-13			3.87	955.81	
	7.07	962.88			
TP-14			3.69	959.19	
	6.22	965.41			
TP-15			4.87	960.54	
	5.55	966.09			
TP-16			5.02	961.07	
	6.07	967.14			
TP-17			5.13	962.01	
	7.39	969.40			
PP#253			5.07	964.33v	0.02 HIGH

M.C.H.D. BCSM in HH

3-1-90

(55)

D SCHWAGER STOCKER

K GOMEZ

TBM 503 - PP286 - PP285 - TBM 504

	+	−
10'	5.06	
200'		5.42
10'	5.47	
200'		5.11
	10.53	10.53

STA	+	H.I	−	ELEV	ADJ
TBM-503				912.90	
	4.20	917.10			
TP-1			9.04	908.06	
	2.29	910.35			
TP-2			8.40	901.95	
	0.27	902.22			
TP-3			4.81	897.41	
	4.85	902.26			
TBM-507			1.70	900.56	900.55
	3.82	904.38			
TP-5			6.26	898.12	
	5.23	903.35			
TP-6			10.58	892.77	
	7.07	899.84			
TP-7			4.45	895.39	
	3.91	899.30			
PP# 286			6.46	892.84	892.82
	7.71	900.55			
TP-9			3.41	897.14	
	4.18	901.32			
TP-10			5.69	895.63	
	5.32	900.95			
TP-11			5.35	895.60	
	2.60	898.20			
TP-12			6.49	891.71	

SW COR BRIDGE ABUTMENT OVER CANAL ON ESTRELLA PKWY.

SET NAIL IN DIRT ROAD 200' EAST OF BRIDGE

NAIL & SHINER

STA	+	HI	−	ELEV	ADJ
TP-12				891.71	
	3.64	895.35			
TP-13			3.69	891.66	
	4.44	896.10			
PP#285			5.43	890.67	890.64
	4.92	895.59			
PP#285			6.18	889.41	889.38
	7.85	897.26			
TP-16			5.28	891.98	
	11.62	903.60			
TP-17			5.41	898.19	
	3.47	901.66			
TP-18			5.01	896.65	
	7.38	904.03			
TP-19			4.99	899.04	
	11.79	910.83			
TBM-504			4.12	906.71 ✓	0.04 HIGH

BCSM IN CONCRETE IN RIVER LS 13554 1/30 1/31 TIN RIM

GROUND = PANEL ELEV.

STEEL SPIKE IN POWER POLE SOUTH OF CANAL - PG 15

TBM 507 - PP 288 - TBM 507

STA	+	HI	−	ELEV	
TBM 507				900.55	
	1.73	902.28			
TP-1			3.91	898.37	
	7.18	905.55			
TP-2			7.11	898.44	
	6.80	905.24			
TP-3			4.03	901.21	
	4.88	906.09			
TP-4			4.28	901.81	
	4.90	906.71			
PP#288			4.58	902.13	902.14
	4.79	906.92			
TP-6			5.30	901.62	
	5.08	906.70			
TP-7			5.31	901.39	
	2.82	904.21			
TP-8			4.10	900.11	
	3.14	903.25			
TP-9			5.12	898.13	
	4.48	902.61			
TBM 507			2.07	900.54 ✓	0.01 LOW

NAIL IN DIRT RD 200' EAST OF BRIDGE

NAIL & SHINER IN RIVER

D SCHWARZENSTOCKER
K GOMEZ

PP 244 - PP 240 - PP 244

STA	+	HI	−	ELEV	ADJ
PP# 244				965.70	
	4.75	970.45			
TP-1			5.10	965.35	
	5.31	970.66			
TP-2			5.31	965.35	
	5.21	970.56			
TP-3			5.34	965.22	
	2.55	967.77			
TP-4			5.98	961.79	
	8.81	970.60			
PP# 240			1.78	968.82	
	2.09	970.91			
TP-6			8.27	962.64	
	7.58	970.22			
TP-7			4.88	965.34	
	5.21	970.55			
TP-8			5.09	965.46	
	5.05	970.51			
TP-9			4.88	965.63	
	4.83	970.46			
PP# 244			4.76	965.70	FLAT

P.K. IN CONCRETE BELOW PUMP.
@ DYSART & WESTERN (KUMA)

P.K. IN BANK PROTECTION

D SCHWALLENSTOCKER
K GOMEZ

TBM 508

PP 255 - PP 241 - PP 255

STA	+	HI	−	ELEV.	ADJ.
PP# 255				952.46	
	0.24	952.70			
TP-1			11.22	941.48	
	6.34	947.82			
TP-2			3.53	944.29	
	6.97	951.26			
TP-3			5.50	945.76	
	4.70	950.46			
TP-4			2.61	947.85	
	6.21	954.06			
TP-5			5.91	948.15	
	6.38	954.53			
TBM-508			3.49	951.04	951.03
	2.04	953.08			
PP# 241			10.45	942.63	942.62
	10.33	952.96			
TP-8			3.97	948.99	
	4.06	953.05			
TP-9			7.79	945.26	
	5.34	950.60			
TP-10			5.86	944.74	
	4.12	948.86			
TP-11			6.00	942.86	
	11.02	953.88			
PP# 255			1.40	952.48	0.02 HIGH

M.C.H.D. BCSM FLUSH W/ PUNT

2.ND TOWER NORTH OF
SET NAIL & SHINER IN NORTH CORNER
OF EAST STANDARD OF POWERLINE TOWER
– NAIL & SHINER ON RIVER

M.C.H.D. BCSM

3-2-90

(64)

D SCHWALENSTOCKER

K GONEZ

JAN 509

PP 186 - PP 185 - PP 184 - PP 188

STA	+	HI	−	ELEV.	ADJ.
PP#186				1016.83	
	2.11	1013.94			
TP-1			5.89	1008.05	
	4.66	1012.71			
TP-2			5.37	1007.34	
	5.68	1013.02			
TP-3			6.90	1006.12	
	4.65	1010.77			
TP-4			5.50	1005.27	
	5.11	1010.38			
PP#185			4.82	1005.56	
	4.89	1010.45			
TBM#509			4.63	1005.82	
	4.18	1010.00			
TP-7			5.86	1004.14	
	5.20	1009.34			
TP-8			5.75	1003.59	
	5.47	1009.06			
TP-9			6.48	1002.58	
	5.80	1008.38			
TP-10			5.74	1002.64	
	5.58	1008.22			
PP#184			4.85	1003.37	
	5.04	1008.41			
PP#184			4.67	1003.74	

N.C.H.D. BCSM FLUSH W/PVMT. @ DKStart & THOMAS

NAIL & SHINER

SET CONCRETE NAIL @ NORTH END OF IRR. DITCH

½" I.P. BELOW PVMT.

PVMT. = PANEL ELEV.

STA	+	HI	−	ELEV	ADJ.
BM #184				1003.74	
	4.42	1008.16			
TP-13			5.60	1002.56	
	5.69	1008.25			
TP-14			5.41	1002.84	
	6.07	1008.91			
TP-15			5.41	1003.50	
	5.71	1009.21			
TP-16			5.04	1004.17	
	5.80	1009.97			
TP-17			5.02	1004.95	
	5.35	1010.30			
TP-18			5.23	1005.07	
	5.85	1010.92			
TP-19			4.80	1006.12	
	6.68	1012.80			
TP-20			5.70	1007.10	
	5.95	1013.05			
TP-21			5.27	1007.78	
	5.99	1013.77			
BM #186			1.95	1011.82 ✓	0.01 LOW

PVMT = PANEL ELEV.

D SCHWALENSTOCKER
K GOMEZ

PP#217 - PP218 - PP217

STA	+	HI	−	ELEV.	ADJ.
PP#217				979.90	
	5.04	984.94			
TP-1			6.06	978.88	
	4.77	983.65			
TP-2			4.60	979.05	
	5.43	984.48			
TP-3			4.13	980.35	
	5.17	985.52			
TP-4			4.18	981.34	
	3.86	985.20			
PP#218			5.21	979.99	
	5.39	985.38			
PP#219			4.96	980.42	
	4.82	985.24			
TP-7			4.45	980.79	
	4.55	985.34			
TP-8			5.07	980.27	
	4.15	984.42			
TP-9			5.41	979.01	
	4.57	983.58			
TP-10			4.68	978.90	
	6.13	985.03			
PP#217			5.13	979.90 ✓	FLAT

M.C.H.D. BCSM IN HH @ VAN BUREN & LITCHFIELD

M.C.H.D. BCSM IN HH @ VAN BUREN & CENTRAL

NORTH RIM HH = PAVED ELEV

JTA	+	HI	−	ELEV
433				935.73
	4.90	940.63		
PP#273			4.69	935.94
	4.49	940.43		
433			4.70	935.73

FROM PHASE 2 HORZ. FIELD BOOK PG 50
T@ PP 289 HI = 5.38
FS GOODYEAR HT = 4.25
ZN = 86-26-22 S.D. = 4406.51
CHG EL = 275.19 EL GOODYEAR = 1199.15

PG 51 T@ GOODYEAR HI = 4.60
FS TRAV PT 433 HT = 4.48
ZN = 91-19-46 S.D. = 11475.92
CHG EL = -263.42 EL 433 = 935.73

TRANSFER ELEV FROM TRAV PT 433
TO PP #273

A.D.O.T. BCSM IN CONCRETE

PVMT. = PANEL ELEV.

FROM PHASE 2 HORZ FIELD BOOK PG 51

X @ GOODYEAR HI = 4.60

F.S. PP # 292 HT = 4.26

ZN = 92-35-04 S.D. = 6174.86

CHG EL = -277.31 EL PP # 292 = 921.84

F.S. PP # 306 HT = 4.43

ZN = 92-36-05 S.D. = 5870.88

CHG EL = -265.58 EL PP # 306 = 933.57

F.S. PP # 305 HT = 4.38

ZN = 93-54-17 S.D. = 3781.17

CHG EL = -256.97 EL PP # 305 = 942.18

FROM PHASE 2 HORZ. FIELD BOOK
PG 9-10, 53-54
T@ 422 F.S. BRADLEY
T@ BRADLEY F.S. 287, 285
AVG EL BRADLEY = 1281.66

T@ BRADLEY HI = 5.16
F.S. PP# 296 HT = 4.37
ZN = 95-31-34 S.D. = 3850.14
CHG EL = -369.67 EL PP# 296 = 911.99

F.S. PP# 316 HT = 8.45
ZN = 92-01-01 S.D. = 10354.33
CHG EL = -365.50 EL PP# 316 = 916.16

F.S. PP# 303 HT = 8.47
ZN = 92-31-18 S.D. = 9059.94
CHG EL = -400.23 EL PP# 303 = 881.43

F.S. PP# 304 HT = 4.85
ZN = 95-17-42 S.D. = 4189.23
CHG EL = -385.92 EL PP# 304 = 895.74

TOPO CHECK

11-5-90

61E
44E
37W
30W
31N 90' W of PP
23N
23S

STA	+	HI	−	ELEV
PP#7				1332.73
	2.24			
1+00			1.72	1333.25
2+00			1.86	1333.11
3+00			2.88	1332.09
4+00			3.64	1331.33
5+00			4.69	1330.28
6+00			5.82	1329.15
7+00			6.06	1328.91
8+00			6.47	1328.50
9+00			6.56	1328.41
10+00			6.62	1328.35
11+00			6.83	1328.14
12+00			6.95	1328.02
13+00			7.90	1327.07
	7.78			
			2.13	1332.72

61E

73

5/8" REBAR BEARDSLEY

& LEVEE

CHECK IN PP#7 .01 LOW

± 44 E

STA	+	HI	−	ELEV
PP# 102				109683
	087			
1+00			092	1096.73
2+00			109	1096.61
3+00			136	1096.34
4+00			186	1095.84
5+00			247	1095.23
6+00			324	1094.46
7+00			413	1093.57
8+00			538	1092.32
9+00			652	1091.18
10+00			745	1090.25
11+00			844	1089.26
12+00			946	1088.24
13+00			1047	1087.23
	1039			
			077	1096.85

CHECK IN PP# 102 002 HIGH

#37 W 75

STA	+	HI	−	ELEV
PP#128				1064 47
	6 55			
1+00			6 29	1064.73
2+00			6 06	1064.96
3+00			5 82	1065.20
4+00			5 58	1065.44
5+00			5 35	1065.67
6+00			5 10	1065.92
7+00			4 87	1066.15
8+00			4 74	1066.28
9+00			5 39	1065.63
10+00			6 38	1064.64
11+00			7 27	1063.75
12+00			7 59	1063.43
13+00			7 34	1063.68
	7 19			
			6 39	1064.48

PP128 GLENDALE NEAR BRIDGE

CHECK IN TO PP128 .01 HIGH

± 30 W

STA	+	HI	−	ELEV
PP172				1017.40
	2.63			
1+00			3.62	1016.41
2+00			4.49	1015.54
3+00			5.10	1014.93
4+00			5.37	1014.66
5+00			5.38	1014.65
6+00			5.19	1014.84
7+00			5.04	1014.99
8+00			4.96	1015.07
9+00			4.90	1015.13
10+00			4.75	1015.28
11+00			4.58	1015.45
12+00			4.41	1015.62
13+00			4.17	1015.86
	3.98			
			2.42	1017.42

PP172
2" BC IN CONCRETE INDIAN SCHOOL
EAST OF EL MIRAGE

CHECK IN PP172 0.02 HIGH

STA	+	HI	−	ELEV
PP 152				1052.84
	9.80			
0+00			9.35	1053.29
1+00	~~8.03~~		8.03	1054.61
2+00			7.09	1055.55
3+00			7.10	1055.54
4+00			6.70	1055.94
5+00			6.15	1056.49
6+00			5.57	1057.07
7+00			4.94	1057.70
8+00			4.94	1057.70
9+00			4.72	1057.92
10+00			4.17	1058.47
11+00			4.15	1058.49
12+00			3.64	1059.00
13+00			2.09	1060.55
	2.07			
			9.77	1052.85

JIN 90' W OF PP 77

PP 152 2" BC IN HH

CHECK IN PP 152 0.01 HIGH

#23 NORTH 78

STA	+	HI	−	ELEV
PP197				997.45
	5.50			
1+00			5.35	997.60
2+00			5.33	997.62
3+00			5.22	997.73
4+00			5.21	997.74
5+00			5.08	997.87
6+00			5.14	997.81
7+00			5.18	997.77
8+00			5.20	997.75
9+00			4.92	998.03
10+00			4.76	998.19
11+00			4.67	998.28
12+00			4.47	998.48
13+00			4.30	998.65
	4.35			
			5.52	997.48

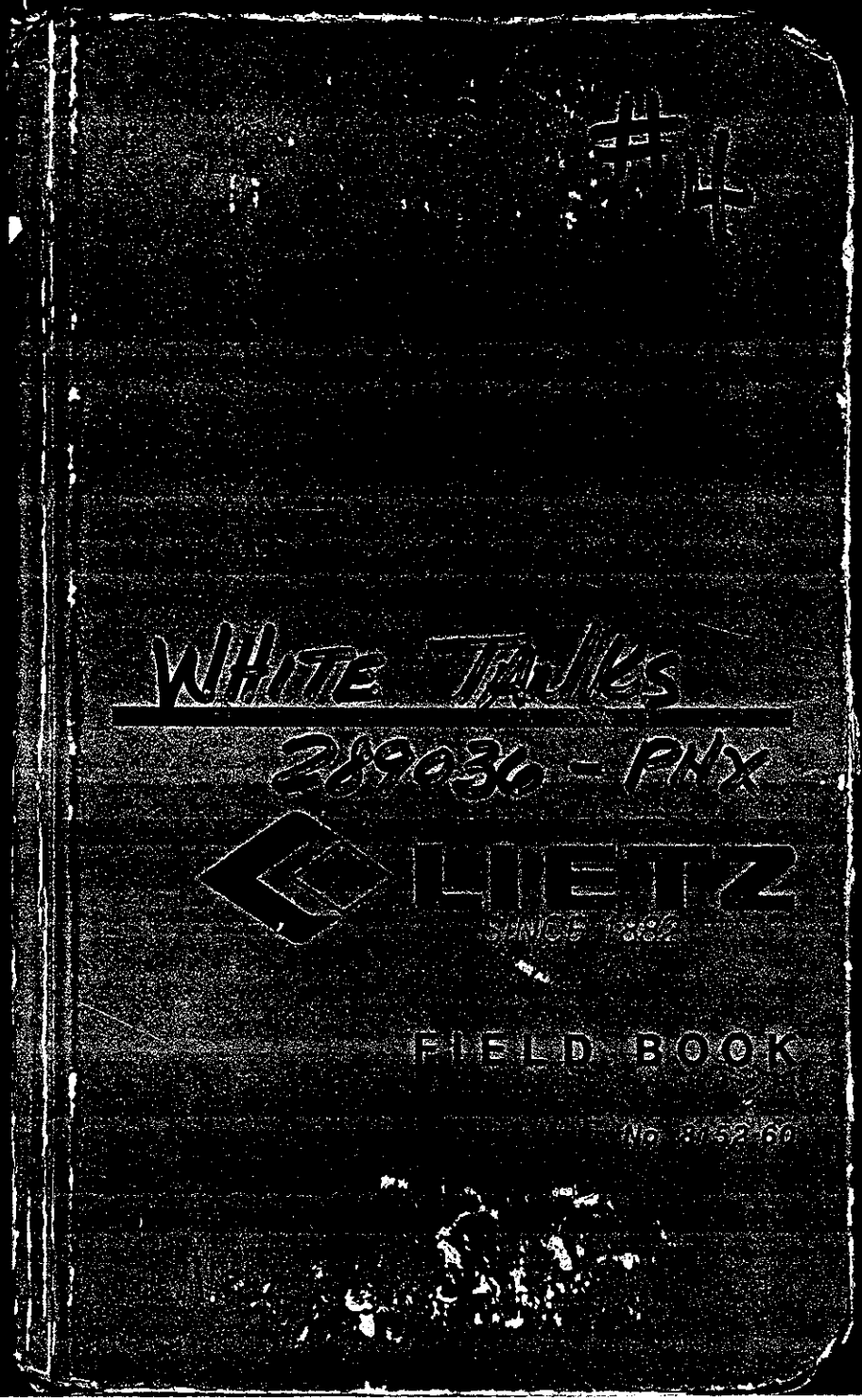
PK NAIL & BULLARD & MCDOWELL

CHECK IN PP197 0.03 HIGH

STA	+	HI	−	ELEV
PP 197				997 45
	3 32			
1+00			4 15	996 60
2+00			4 80	995. 95
3+00			5 12	995. 63
4+00			5 14	995. 61
5+00			5 19	995. 56
6+00			5 28	995. 47
7+00			5 21	995. 54
8+00			5 18	995. 57
9+00			5 19	995. 56
10+00			5 27	995. 48
11+00			5 39	995. 36
12+00			5 53	995. 22
13+00			4 37	996. 38
	4 48			
			3 42	997. 45

PK NAIL @ BULLARD & MCDOWELL

CHECK IN PP 197 OK LOW


#11
White Trails
28930 - PHX
HERTZ
SINCE 1892
FIELD BOOK
No. 21-92-60

(1)

WHITE TANKS
VERTICAL CONTROL

D. SCHWAGENSTOCKER
L. MITCHELL

PENTAX PAL 5C

STA	+	HI	-	ELEV	ADJ
K-265				1275.44	
	5.48	1280.92			
TP-1			4.53	1276.39	
	7.19	1283.58			
TP-2			3.37	1280.21	
	6.65	1286.86			
TP-3			4.27	1282.59	
	6.11	1288.70			
TP-4			4.31	1284.39	
	6.64	1291.03			
TP-5			3.47	1287.56	
	6.23	1293.79			
TP-6			6.31	1287.48	
	9.81	1297.29			
TP-7			2.12	1295.17	
	10.33	1305.50			
TP-8			5.52	1299.98	
	5.14	1305.12			
TP-9			1.80	1303.32	
	7.83	1311.15			
TP-10			4.02	1307.13	
	9.07	1316.20			
TP-11			1.14	1315.06	
	7.04	1322.10			
TP-12			4.65	1317.45	

NOTES — 12/6/89 (2)

U.S.G.S. BRASS CAP IN CONCRETE
HEADWALL @ BEARDSLY CANAL RD & OLIVE

GOING NORTH

STA	+	HI	−	ELEV	ADJ
TP-12				1317.45	
	5.30	1322.75			
TP-13			3.90	1318.85	
	8.14	1326.99			
TP-14			2.95	1324.04	
	2.75	1326.79			
TP-15			3.77	1323.02	
	6.70	1329.72			
TP-16			3.35	1326.37	
	8.04	1334.41			
TP-17			10.43	1323.98	
	9.43	1333.41			
TP-18			5.76	1327.65	
	5.51	1333.16			
M-265			7.21	1325.95	1325.92
	7.10	1333.05			
TP-20			5.25	1327.80	
	2.07	1329.87			
TP-21			0.92	1328.95	
	2.81	1331.76			
TP-22			7.00	1324.76	
	3.68	1328.44			
TP-23			6.40	1322.04	
	7.00	1329.04			
TP-24			7.37	1321.67	

NOTES

③

GOING NORTH

U.S.G.S. BRASS CAP IN CONCRETE HEADWALL @ BEARDSLY CANAL RD & CACTUS (R) 1326.20

GOING SOUTH

STA	+	HI	-	ELEV	ADJ
TP-24				1321.67	
	2.85	1324.52			
TP-25			7.00	1317.52	
	5.32	1322.84			
TP-26			6.19	1316.65	
	3.80	1320.45			
TP-27			9.79	1310.66	
	2.00	1312.66			
TP-28			6.92	1305.74	
	5.17	1310.91			
TBM-1			4.30	1306.61	
	1.48	1308.09			
TP-30			8.17	1299.92	
	5.34	1305.26			
TP31			5.03	1300.23	
	1.14	1301.37			
TP-32			9.40	1291.97	
	1.11	1293.08			
TP-33			4.45	1288.63	
	3.10	1291.73			
TP-34			5.13	1286.60	
	2.81	1289.41			
TP-35			6.91	1282.51	
	4.45	1286.96			
TP-36			6.58	1280.38	

NOTES

GOING SOUTH

NW COR CONCRETE FLOODGATE FRAME
CENTER OF CANAL @ PEORIA

STA	+	HI	−	ELEV.	ADJ
TP-36				1280.38	
	3.70	1284.08			
TP-37			7.47	1276.61	
	4.74	1281.35			
TP-38			6.38	1274.97	
	4.37	1279.34			
K-265			3.84	1275.50	V 0.06 1275.44
K-265				1275.44	
	1.28	1276.72			
TP-1			9.23	1267.49	
	2.82	1269.91			
TP-2			6.45	1263.46	
	1.91	1265.37			
TP 3			7.35	1258.02	
	2.97	1260.99			
TP-4			6.82	1254.17	
	3.85	1258.02			
PT #91			6.55	1251.47	
	5.92	1257.39			
PT #91			5.09	1252.30	
	5.95	1258.25			
T.P.-7			2.53	1255.72	
	6.54	1262.26			

NOTES

BRASS CAP IN HEAD WALL @ BEARDSLEY CANAL & OCINC

GOING EAST

1" OPEN PIPE SEC. COR. N.W. COR SEC 34 T3N R2W

N. Rim of Well at Sec. COR N.W. COR SEC 34 PANEL ELEVATION

STA	+	HI	−	ELEV	ADJ
TP-8			2.49	1259.77	
	7.75	1267.52			
TP-9			2.89	1264.63	
	6.47	1271.10			
TP-10			1.94	1269.16	
	7.98	1277.14			
K-265 ✓			1.71	1275.43	.001 LOW
#21				1251.47	
	5.08	1256.55			
TP-1			7.91	1248.64	
	1.73	1250.37			
TP-2			7.59	1242.78	
	4.21	1246.99			
TP-3			6.73	1240.26	
	4.15	1244.41			
TP-4			9.50	1234.91	
	5.36	1240.27			
TP-5			10.17	1230.10	
	2.47	1232.57			
TP-6			9.07	1223.50	
	2.21	1225.71			
TP-7			7.30	1218.41	

Notes

GOING WEST

US GS - BRASS CAP

1" O.I.P. NW COR SEC 34, T3N, R2W

GOING EAST

STA	+	HI	−	ELEV.
TP-7				1218.41
	5.29	1223.70		
TP-8			5.97	1217.73
	5.32	1223.05		
#92			6.48	1216.57
	1.35	1217.92		
TP-10			8.75	1209.17
	3.44	1212.61		
TP-11			6.37	1206.24
	4.40	1210.64		
TP-12			6.75	1203.89
	4.37	1208.26		
TP-13			7.11	1201.15
	4.69	1205.84		
TP-14			7.08	1198.76
	3.80	1202.56		
TP-15			6.27	1196.29
	4.29	1200.58		
TP-16			7.09	1193.49
	3.99	1197.48		
TP-17			6.20	1191.28
	4.27	1195.55		
TBM 1400D			3.61	1191.94
	5.48	1197.42		
TP-19			5.04	1192.38

NOTES 12/7/89 (7)

X-CUT R.R. NAIL w/ SHINER in PAVEMENT
NW COR SEC 35 T3N. R2W

GOING SOUTH

ADOT AC CAP in CONCRETE HEADWALL (1986)
NW COR CITRUS & NORTHERN

STA	+	HI	−	ELEV	ADJ
TP-19				1192.38	
	8.05	1200.43			
TP-20			4.99	1195.44	
	8.20	1203.64			
TP-21			5.13	1198.51	
	8.21	1206.72			
TP-22			4.68	1202.04	
	8.02	1210.06			
S¼ 34			5.28	1204.78	
	6.78	1211.56			
TP-24			4.70	1206.86	
	8.24	1215.10			
TP-25			5.49	1209.61	
	7.33	1216.94			
TP-26			5.14	1211.80	
	8.34	1220.14			
TP-27			4.96	1215.18	
	7.48	1222.66			
#104			4.57	1218.09	1217.91 BEDROCK DATA
	3.56	1221.65			
#104			3.23	1218.42	
	6.58	1225.00			
TP-30			3.04	1221.96	
	7.39	1229.35			
TP-31			3.27	1226.08	

(8)

NOTES

GOING WEST

RR SPIKE IN PAVEMENT @ NORTHERN & 183RD AVE.

X-OUT NAIL BELOW PAVEMENT SW COR SEC 34 T3N R2W PAVEMENT (PANEL ELEVATION)

GOING NORTH

STA	+	HI	−	ELEV	BAD
TP-31				1226.08	
	6.09	1232.17			
TP-32			1.29	1230.88	
	7.50	1238.38			
TP-33			3.80	1234.58	
	6.87	1241.45			
TP-34			3.75	1237.70	
	6.91	1244.61			
TP-35			3.88	1240.73	
	6.66	1247.39			
TP-36			4.28	1243.11	
	7.07	1250.18			
TP-37			3.60	1246.58	
	7.34	1253.92			
TP-38			4.31	1249.61	
	8.13	1257.74			
#91			6.26	1251.48	✓ 0.01 HIGH

NOTES

GOING NORTH

STA	+	HI	−	ELEV	ADJ
TBM 14000				1191.94	
	0.92	1192.86			
TP-1			8.65	1184.21	
	4.17	1188.38			
TP-2			8.62	1179.76	
	3.40	1183.16			
TP-3			7.95	1175.21	
	4.29	1179.50			
TP-4			7.83	1171.67	
	4.73	1176.40			
TP-5			8.57	1167.83	
	4.11	1171.94			
TP-6			8.34	1163.60	
	4.93	1168.53			
TP-7			9.02	1159.51	
	3.65	1163.16			
TP-8			8.14	1155.02	
	4.43	1159.45			
TP-9			7.94	1151.51	~~1151.52~~
	4.09	1155.60			
PT #106			5.56	1150.04	1150.05
	3.69	1153.73			
PT #106			3.32	1150.41	1150.42
	1.66	1152.07			
TP-12			6.67	1145.40	

NOTES

A.D.O.T. ALUMINUM CAP

BRASS CAP, S.E. COR. SEC. 35

N. Rim of monument well INT. Northern & cotton

STA	+	HI	−	ELEV	ADJ
TP-12			6.67	1145.40	
	3.71	1149.11			
TP-13			6.35	1142.76	
	3.51	1146.27			
TP-14			5.83	1140.64	
	3.73	1144.37			
TP-15			6.18	1138.19	
	4.43	1142.62			
TP-16			6.10	1136.52	
	4.11	1140.63			
TP-17			6.03	1134.60	
	4.37	1138.97			
TP-18			6.45	1132.52	
	3.46	1135.98			
TP-19			6.63	1129.35	
	4.21	1133.56			
TP-20			4.20	1129.36	
	7.14	1136.50			
TP-20			7.47	1129.03	
	7.59	1136.62			
TP-22			3.90	1132.72	
	6.48	1139.20			
TP-23			3.53	1135.67	
	7.44	1143.11			
TP-24			2.67	1140.44	

NOTES

(11)

(PANEL ELEVATION)

S.E. COR. Sec 2 N. R. [illegible]

INT.

S.E. COR. Sec 2 Brass Monument [illegible]

STA	+	HT	-	ELEV	ADJ
TP-24			2.67	1140.44	
	7.67	1148.11			
TP-25			2.93	1145.18	
	8.15	1153.33			
TP-26			3.78	1149.55	
	5.93	1155.48			
TP-27			3.74	1151.74	
	6.02	1157.76			
TP-28			3.16	1154.60	
	6.17	1160.77			
TP-29			3.77	1157.00	
	6.61	1163.61			
PT#19			3.64	1159.97	
	3.33	1163.30			
PT#19			2.62	1160.68	
	5.73	1166.41			
TBM#2			5.09	1161.32	
	6.12	1167.44			
TP-33			4.70	1162.74	
	7.65	1170.39			
TP-34			5.20	1165.19	
	8.09	1173.28			
TP-35			4.49	1168.79	
	8.81	1177.60			
TP-36			4.79	1172.81	

Notes

½" IP sec. cor. S.W. cor sec. 2 INT citrus & Glendale

N. Rim monument well Panel Elev.

TBM # S.E. cor. HEADWALL N.W. cor. INT.

Sta	+	HI	−	Elev	ADJ	Notes
TP-36			4.79	1172.81		
	6.84	1179.65				
PT#116			4.36	1175.29		Vert Panel Nail with the Shinck & INT orangewood ? Citrus
	7.73	1183.02				
TP-38			3.60	1179.42		
	7.73	1187.15				
TP-39			5.37	1181.78		
	8.26	1190.04				
TP-40			4.51	1185.53		
	7.12	1192.65				
TP-41			4.51	1188.14		
	6.96	1195.10				
TBM V.1400D			3.21	1191.89	✓ 0.05 Low	
TBM 1400D				1191.94		
	2.86	1194.80				
105			5.37	1189.43		1" O.I.P. [illegible] COR SEC 2
	5.63	1195.06				
105			4.60	1190.46		PAVEMENT (PANEL ELEVATION) NORTHERN & CITRUS
	4.42	1194.88				
TBM 1400D			2.94	1191.94 ✓		

STA	+	HI	-	ELEV	ADJ.
N475				1474.15	
	0.47	1474.62			
TP-1			8.93	1465.69	
	0.88	1466.57			
TP-2			10.98	1455.59	
	0.33	1455.92			
P-475			12.89	1443.03	
	11.15	1454.18			
TP-4			1.75	1452.43	
	10.18	1462.61			
TP-5			0.27	1462.34	
	12.00	1474.34			
N-475			0.18	1474.16	0.01 HIGH
N-475				1474.15	
	10.90	1485.05			
TP-1			0.74	1484.31	
	10.68	1494.99			
TP-2			0.61	1494.38	
	11.83	1506.21			
TP-3			0.76	1505.45	
	11.67	1517.12			
TP-4			5.30	1511.82	
	6.84	1518.66			
BEDROCK-1			3.77	1514.89	1514.92

12/11/89

(14)

NOTES

N.G.S. = BRASS CAP IN ROCK

(R) 1443.02 N.G.S. BRASS CAP IN ROCK

USGS BRASS CAP IN ROCK (R) 1514.92

STA	+	HI	−	ELEV	
BEDROCK-1				1514.89	
	2.74	1517.63			
TP-6			12.30	1505.33	
	0.58	1505.91			
TP-7			12.65	1493.26	
	1.30	1494.56			
TP-8			11.68	1482.88	
	0.51	1483.39			
N-475			9.26	1474.13 ✓	0.02 LOW
N-475				1474.15	
	0.76	1474.91			
TP-1			6.76	1468.15	
	0.86	1469.01			
TP-2			12.88	1456.13	
	0.13	1456.26			
TP-3			12.66	1443.60	
	0.60	1444.20			
TP-4			11.90	1432.30	
	0.21	1432.51			
TP-5			12.15	1420.36	
	0.34	1420.70			
TP-6			12.48	1408.22	

NGS BRASS CAP

12/13/89

STA	+	HI	−	ELEV
TP-6				1408.22
	0.61	1408.83		
TP-7			11.61	1397.22
	0.30	1397.52		
TP-8			11.86	1385.66
	0.21	1385.87		
TP-9			11.91	1373.96
	0.34	1374.30		
TP-10			13.01	1361.29
	0.79	1362.08		
TP-11			12.07	1350.01
	0.86	1350.87		
TP-12			11.33	1339.54
	0.29	1339.83		
TP-13			11.85	1327.98
	0.60	1328.58		
TP-14			9.97	1318.61
	1.91	1320.52		
TP15			7.51	1313.01
	2.25	1315.26		
TBM #3			5.07	1310.19
	7.27	1317.46		
TP-17			2.18	1315.28
	8.95	1324.23		
TP-18			0.86	1323.37

SET NOB & NAIL NEAR SE S31 T3N R

STA	+	HI	−	ELEV	ADJ
TP-18				1323.37	
	12.76	1336.13			
TP-19			0.45	1335.68	
	11.33	1347.01			
M-475			3.73	1343.28	
	12.02	1355.30			
TP-21			0.44	1354.86	
	11.76	1366.62			
TP-22			0.43	1366.19	
	11.88	1378.07			
TP-23			0.56	1377.51	
	10.92	1388.43			
TP-24			0.52	1387.91	
	12.73	1400.64			
TP-25			0.21	1400.43	
	12.52	1412.95			
TP-26			0.30	1412.65	
	12.05	1424.70			
TP-27			0.37	1424.33	
	12.44	1436.77			
TP-28			0.32	1436.45	
	12.61	1449.06			
TP-29			0.33	1448.73	
	11.31	1460.04			
TP-30			0.32	1459.72	

NGS BM MONUMENT ROD IN WELL
(R=1343.22)

STA	+	HI	-	ELEV
TP-30				1459.72
	12.42	1472.14		
TP-31			3.13	1469.01
	5.58	1474.59		
N-475			0.43	1474.16
TP-1				1310.19
	0.87	1311.06		
TP-1			11.01	1300.05
	0.33	1300.38		
TP-2			10.85	1289.53
	4.55	1294.08		
TP-3			7.94	1286.14
	2.30	1288.44		
TP-4			7.81	1280.63
	3.49	1284.12		
TP-5			7.64	1276.48
	1.89	1278.37		
TP-6			11.19	1267.18
	6.01	1273.19		
N.G.S. BM. L 475			8.88	1264.31
	1.79	1266.10		
TP-8			10.03	1256.07

Stainless Steel Rod IN Well on Power Line
(R = 1264.23)

	+	HI	−	ELEV	ADJ
TP-8			10.03	1256.07	
	3.65	1259.72			
TP-9			8.31	1251.41	
	8.84	1260.25			
TBM #4			4.18	1256.07	
	0.39	1256.46			
TP-11			3.23	1253.23	
	7.82	1261.05			
TP-12			0.63	1260.42	
	11.31	1271.73			
TP-13			9.38	1262.35	
	11.18	1273.53			
TP-14			0.38	1273.15	
	8.86	1282.01			
TP-15			3.36	1278.65	
	7.44	1286.09			
TP-16			2.61	1283.48	
	8.23	1291.71			
TP-17			2.92	1288.79	
	6.72	1295.51			
TP-18			0.56	1294.95	
	10.35	1305.30			
TP-19			0.37	1304.93	
	8.22	1313.15			
TBM #3 ✓			2.96	1310.19 ✓	FLAT

S.S. Spike in power pole #40
North of SE cor S32 T3N

HUB & NAIL - ON ROAD South of SEC COR

STA	+	HI	−	ELEV	ADJ
TBM #4				1256.07	
	1.05	1257.12			
TP-1			8.68	1248.44	
	1.07	1249.51			
TP-2			7.50	1242.01	
	2.01	1244.02			
TP-3			8.64	1235.38	
	4.01	1239.39			
TP-4			2.81	1236.58	
	3.97	1240.55			
TBM A			6.41	1234.14	
	0.31	1234.45			
TP-6			8.68	1225.77	
	4.68	1230.45			
TP-7			6.80	1223.65	
	6.12	1229.77			
TP-8			5.86	1223.91	
	4.10	1228.01			
TP-9			8.21	1219.80	
	3.85	1223.65			
#104			5.74	1217.91	
	5.93	1223.84			
TBM #5			4.79	1219.05	
	5.17	1224.22			
TP-12			3.49	1220.73	

SPIKE IN POWER POLE

FND NAIL IN EAST HEADWALL OF FLOODGATE SOUTH SIDE OF NORTHERN @ BEARDSLY CANAL

CROSSED-OUT NAIL BELOW PAVEMENT @ SW COR S34 T3N R2W

SW COR CONCRETE FLOODGATE @ SE COR NORTHERN & PERRYVILLE

12/13/89

21

STA	+	HI	−	ELEV	
TP-12				1220.73	
	7.49	1228.22			
TP-13			1.72	1226.50	
	2.78	1229.28			
TP-14			5.47	1223.81	
	7.10	1230.91			
TP-15			4.55	1226.36	
	10.07	1236.43			
TP-16			1.11	1235.32	
	6.45	1241.77			
TP-17			7.75	1234.02	
	6.24	1240.26			
TP-18			2.34	1237.92	
	9.23	1247.15			
TP-19			3.67	1243.48	
	8.22	1251.70			
TP-20			1.52	1250.18	
	7.28	1257.46			
TBM #4			1.39	1256.07	✓ FLAT

STA	+	HI	−	ELEV	
#120				1129.03	1129.05
	3.41	1132.44			
TP-1			7.24	1125.20	
	4.28	1129.48			
TP-2			6.52	1122.96	
	4.01	1126.97			
TP-3			6.84	1120.13	
	4.17	1124.30			
TP-4			6.54	1117.76	
	4.08	1121.84			
TP-5			8.30	1113.54	
	3.29	1116.83			
TP-6			6.61	1110.22	
	3.63	1113.85			
TP-7			7.02	1106.83	
	3.98	1110.81			
TP-8			6.48	1104.33	
	4.29	1108.62			
#121			7.14	1101.48	1101.49
	6.55	1108.03			
#121			6.01	1102.02	1102.03
	4.40	1106.42			
TP-11			6.71	1099.71	
	4.20	1103.91			
TP-12			6.57	1097.34	

12/14/89

(23)

BRASS CAP SURVEY MONUMENT IN CONCRETE IN WELL MARICOPA COUNTY

SEC COR T2N R2W — 2 / 1 / 11 / 12

GOING EAST

½" I.P. IN CONCRETE = SEC COR — R2W R1W — 1 / 6 / 12 / 7 — T2N

NORTH RIM OF MON. WELL

STA	+	HI	−	ELEV	NP
TP-12				109734	
	3.58	1100.92			
TP-13			6.25	1094.67	
	4.01	1098.68			
TP-14			6.85	109183	
	4.17	1096.00			
TP-15			6.79	1089.21	
	3.80	1093.01			
TP-16			6.29	1086.72	
	4.29	1091.01			
TP-17			6.05	1084.96	
	4.26	1089.22			
TP-18			6.44	1082.78	
	4.32	1087.10			
#135			6.57	1080.53	
	5.77	1086.30			
#135			5.22	1081.08	
	6.96	1088.04			
TP-21			4.27	1083.77	
	6.13	1089.90			
TP-22			4.46	1085.44	
	6.32	1091.76			
TP-23			4.48	1087.28	
	5.83	1093.11			
TP-24			4.08	1089.03	

GOING SOUTH

	R2W	R1W	
½" I.P. IN CONCRETE AT WELL COR	12	7	T2N
	13	18	

PAVEMENT X (PANEL ELEVATION)

GOING WEST

STA	+	HI	−	ELEV	ADJ
TP-24				1089.03	
	6.84	1095.87			
?			3.21	1092.66	
	6.49	1099.15			
TP-26			3.74	1095.41	
	6.14	1101.55			
TP-27			3.83	1097.72	
	6.57	1104.29			
TP-28			4.10	1100.19	
	6.58	1106.77			
TP-29			4.10	1102.67	
	6.30	1108.97			
#134			3.74	1105.23	1105.22
	4.31	1109.54			
#134			3.92	1105.62	
	4.71	1110.33			
TP-32			4.02	1106.31	
	6.30	1112.61			
TP 33			3.31	1109.30	
	6.89	1116.19			
TP-34			3.87	1112.32	
	6.33	1118.65			
TP. 35			4.56	1114.09	
	6.85	1120.94			
#130			2.88	1118.06	1118.04

P.K. IN HEAD WALL SOUTH OF ROAD @ ¼ COR

	T2N	R2W
BCSM IN CONCRETE IN WELL M.C.H.P.	COR 11	12
	14	13

NORTH RIM MON WELL (PANEL ELEVATION

PANEL - SOL NAIL IN ROAD @ COTTON & MARYLAND

STA	+	HI	-	ELEV	
BM30				1118.06	
	6.58	1124.64			
TP37			4.16	1120.48	
	6.09	1126.57			
TP38			4.75	1121.82	
	5.82	1127.64			
TP39			3.56	1124.08	
	5.74	1129.82			
TP40			4.73	1125.09	
	6.01	1131.10			
BM20			2.03	1129.07	CORRECTION

BCSM @ WELL @ GLENDALE & COTTON

STA	+	HI	-	ELEV	
121				1101.31	
	6 71	1108 02			
			3 59	1104 33	
	5 52 5	1109 85 5			
			3 63	1106 22 5	
	5 95	1112 17 5			
			3 91 5	1108 26	
	5 81	1114 07			
			3 41	1110 66	
	5 48	1116 14			
#117			4 09	1112 05	←
	4 07	1116 12			
#117			3 49	1112 63	
	6 03	1118 66			
			3 07	1115 59	
	6 26	1121 85			
			3 17	1118 68	
	6 70	1125 38			
			2 82 5	1122 55 5	
	6 72	1129 27 5			
#107			3 86	3 86	1125 615
	3 68	1129 29 5			
#107			2 94	2 94	1126 355
#109	2 79 5	1129 15			
			6 82		1122 33

12/20/89

(26)

½" REBAR IN CONCRETE @ GLENDALE & SARATOGA

P.P. #119 ½ IRON PIN IN HAND HOLE

RIM N SIDE HAND HOLE

P.P. #107 ½" IRON PIN IN HOLE

N SIDE TOP PAVEMENT

STA	+	HI	—	ELEV
				1122 33
	3 06	1125 39		
			6 38	1119 01
	3 18	1122 19		
			6 125	1116 065
	3 455	1119 52		
			7 43	1112 09
	3 67	1115 76		
			5 75	1110 01
	3 55	1113 56		
			5 89	1107 67
	2 90	1110 57		
			5 71	1104 86
	3 25	1108 11		
			6 79	1101 32

P.P. #117 .04 High

P.P. #121 1/2 IRON PIPE IN CONCRETE

STA	+	HI	−	ELEV
#106				1149.82
~~TP1~~	7.10	1156.97		
TP 1			3.865	1153.105
	6.41	1159.515		
TP2			4.14	1155.375
	6.265	1161.64		
TP3			4.195	1157.445
	6.385	1163.83		
TP4			3.105	1160.725
	6.125	1166.85		
#103R			3.33	1163.52
	3.425	1166.945		
TP 6			2.865	1164.08
	5.98	1170.06		
TP 7			2.20	1167.86
	6.07	1173.93		
TP8			2.055	1171.875
	7.745	1179.62		
TP9			2.145	1177.475
	6.78	1184.255		
#93			1.795	1182.46
	1.86	1184.32		
#93			1.49	1182.83

(28)

S.M. IN HAND HOLE

P.P. #103R - NAIL SHINER IN ASPHALT

TBM - CONCRETE NAIL IN HEADWALL S.W. OF P.P. #103R

P.P. #93 - BRASS CAP IN HAND-HOLE

~~PAVEMENT~~ ON PANEL NRIM HAND HOLE

STA	+	HI	−	ELEV
#93				1182.83
	7.42	1190.25		
TP 10			4.66	1185.59
	6.025	1191.615		
TP 11			3.435	1188.18
	4.94	1193.12		
TP 12			3.23	1189.89
	7.33	1197.22		
TP 13			1.14	1196.08
	9.33	1205.41		
TP 14			4.12	1201.29
	4.02	1205.31		
TP 15			3.825	1201.485
	5.30	1206.785		
TP 16			2.41	1204.375
	8.175	1212.55		
TP 17			2.00	1210.55
	8.50	1219.05		
#92			2.50	1216.55
RETURN LOOP	2.37	1218.93		
TP 18			8.37	1210.55
	1.74	1212.29		
TP 19			7.855	1204.435
	3.09	1207.525		
TP 20			6.380	1201.145

N RIM HAND HOLE P.P. 93

P.P. #92 P.K. NAIL & SHINER

0.16 HIGH

STA	+	HI	−	ELEV
TP 20				1201.45
~~TP21~~	5.04	1206.85		
TP 21			−5.045	1201.14
	0.32	1201.46		
TP 22			8.66	1192.80
	2.73	1195.53		
TP 23			7.03	1188.50
	3.96	1192.46		
TP 24			5.48	1186.98
	4.19	1191.17		
TP 25			5.735	1185.435
	4.655	1190.09		
P.P #93			7.59	1182.50
	2.36	1184.86		
TP 27			6.14	1178.72
	2.44	1181.16		
TP 28			7.77	1173.39
	1.18	1174.57		
TP 29			6.81	1167.76
	2.17	1169.93		
TBM 103R			5.76	1164.17
	1.71	1165.88		
TP 31			7.39	1158.49
	4.04	1162.53		
TP 32			6.02	1156.51

P.P. #93 B.C. 0.04 High on Loop

TBM 103R 0.09 High

STA	+	HI	−	ELEV
TP32				1156 51
	3 66	1160 17		
TP33			− 6 16	1154 01
	3 50	1157 51		
TP34			6 25	1151 26
	3 92	1155 18		
P.P.#			5 22	1149 96

P.P.# 106 0 09 High ON LOOP

	+	(+)	−	ELEV
P.P. 92				1216.39
	2.00	1218.39		
TP1			3.54	1211.85
	4.64	1216.49		
TP2			6.40	1210.09
	7.325	1217.415		
TP3			1.42	1215.995
	9.685	1225.68		
TP4			4.66	1221.02
	6.205	1227.225		
TP5			0.42	1226.805
	9.95	1236.755		
TP6			3.22	1233.535
	5.075	1238.61		
TP7			4.15	1234.46
	8.185	1242.645		
TP8			5.36	1237.285
	6.88	1244.165		
TP9			3.545	1240.62
	5.08	1245.70		
PP #77			3.04	1242.66
	3.085	1245.745		
TP11			6.42	1239.325
	2.97	1242.295		
TP12			5.41	1236.885

(32)

P.P. # 92	P.K. NAIL & SHINER IN PAVEMENT
PP # 77	NAIL & SHINER IN DIRT ROAD

STA	+	HI	−	ELEV
TP12				123.885
	4.365	124.125		
TP13			7.92	123.333
	6.25	123.958		
TP14			7.75	123.183
	0.56	123.239		
TP15			9.56	122.283
	3.02	122.585		
TP16			5.83	122.002
	1.57	122.159		
TP17			10.28	121.131
	6.09	121.740		
TP18			5.56	121.184
	7.06	121.890		
PP#92			2.52	121.638

P.P. #92 — 0.01 LOW — PK NAIL & SHINER IN PAVEMENT

STA	+	HI	−	ELEV
P.P. 77				1247.66
	1.00	1243.66		
TP2			6.63	1237.03
	2.44	1239.47		
TP3			7.63	1231.84
	1.01	1232.85		
TP4			6.81	1226.04
	2.68	1228.72		
TP5			6.65	1222.07
	2.33	1224.39		
TP6			7.88	1216.51
	1.66	1218.17		
TP7			6.11	1212.06
	3.65	1215.71		
TP8			5.82	1209.89
	3.19	1213.08		
TP9			6.18	1206.90
	3.69	1210.59		
P.P. 78			7.30	1203.29
	7.38	1210.67		
PANEL			7.01	1203.66
	6.95	1210.61		
TP 12			3.72	1206.89
	5.44	1212.33		
TP 13			3.865	1208.465

P.P. 77 NAIL & SHINER ON DIRT ROAD

P.P. 78 B.C. IN HAND HOLE

NOTE: Rim OF HANDHOLE COVERED BY ASPHALT

~~X~~ TOP OF PAVEMENT ON PANEL

STA	+	HI	−	ELEV
TP13				1208.465
	6.155	1214.62		
TP14			3.75	1210.87
	6.02	1216.89		
TP15			2.60	1214.29
	7.79	1222.08		
TP16			1.88	1220.20
	6.34	1226.54		
TP17			1.95	1224.59
	6.38	1230.97		
TP18			2.225	1228.745
	7.98	1236.725		
TP19			1.725	1235.00
	7.99	1242.99		
P.P. 77			0.31	1242.62

P.P. #77 0.64 LOW NAIL & SHINER

STA	+	HI	−	ELEV
PP ~~120~~ 119				1159.82
	5.74	1165.56		
TP 1			4.27	1161.29
	5.27	1166.56		
TP2			3.85	1162.71
	6.02	1168.73		
TP 3			3.97	1164.76
	5.76	1170.52		
TP4			2.62	1167.90
	5.81	1173.71		
TP5			3.23	1170.48
	6.74	1177.22		
TP6			2.18	1175.04
	6.26	1181.30		
TP7			2.37	1178.93
	6.95	1185.88		
~~TP8~~ PP 118			3.09	1182.79
	5.09	1187.88		
PANEL			4.76	1183.12
	4.81	1187.93		
TP 10			3.32	1184.61
	6.55	1191.16		
TP 11			0.94	1190.22
	7.80	1198.02		
TP12			3.68	1194.34

PP # 119 #4 REBAR IN HOLE

PP 118 1 1/2 STEEL SHAFT IN HOLE

PP 118 ON PANEL

STA	+	HI	−	ELEV
TP 12				1194.34
	6.67	1201.01		
TP 13			3.11	1197.90
	6.64	1204.54		
TP 14			1.60	1202.94
	6.50	1209.44		
TP 15			3.06	1206.38
	6.78	1213.16		
TP 16			3.51	1209.65
	7.25	1216.90		
TP 17			2.56	1214.34
	6.58	1220.92		
PP# 104			2.87	1218.05

P.P. 104 #4 RB IN HOLE

STA	+	HI	−	ELEV
PP ~~93~~ 78				1203 29
	2 29	1205 58		
TP2			6 91	1198 67
	3 57	1202 24		
TP3			8 10	1194 14
	3 51	1197 65		
TP4			6 23	1191 42
	3 25	1194 67		
TP5			6 14	1188 53
	3 77	1192 30		
TP6			5 68	1186 62
	3 59	1192 21		
TP7			5 60	118~~6~~4 61
	2 84	118~~9~~7 45		
TP8			5 84	118~~3~~1 61
	4 82	118~~8~~6 43		
PP #93			4 09	118~~4~~2 34

12-24-83

SEE PAGE 34

P.P. ~~93~~ 78 BC IN HAND HOLE

{ NOTE HAD 2' CAL ERROR PUSHED WRONG BUTTON }

PP #93 0.16 LOW SEE PG 30

STA	+	HI	−	ELEV
PP 77R				1242.66
	5.80			
TP1			2.20	
	7.20			
TP2			2.12	
	7.94			
TP3			2.92	
	8.58			
TP4			2.28	
	6.63			
TP5			2.71	
	4.32			
TP6			2.30	
	7.29			
TP7			4.06	
	11.68			
TP8			3.24	
	5.07			
PP76R			4.50	1280.84
	4.51			
TBM 76R			5.35	1280.00
	6.20			
TP 11			3.84	
	4.60			
TP12			10.25	
~~76~~				

12-28-89
MORNING GOLD FEW CLOUDS

JP π
BC 1

PP 77R NAIL PANEL <PG 32>

PP 76R NAIL & SHINER

TBM S.W OF PANEL SOUTH TOP OF DITCH

	+	HI	−	ELEV
~~TP 13~~				
	5 02			
TP 14			6 73	
	3 35			
PP 89R			10 86	1267 48
	1 80			
TP 15			6 89	
	2 46			
TP 16			6 43	
	1 37			
TP 17			6 56	
	6 43			
TP 18			4 27	
	3 12			
P.P. 91			7 20	1251 39

12-28-89
WARMER CLOUDY

JP T
BC 1

40

PP 89R NAIL & SHINER IN DIRT

P.P. 91 1'O.P. IN N.H. 0 10 HIGH

	+	HI	−	ELEV
PP 120				112887
	7 23			
TP1			3 47	
	6 34			
TP2			2 97	
	7 33			
TP3			2 34	
	7 59			
TP4			2 63	
	7 56			
TP5			3 32	
	5 37			
TP6			3 46	
	6 56			
TP7			3 45	
	6 03			
TP 8			3 33	
	5 74			
PP 119			3 72	115953

119

12-28-89 WARM CLOUDY TO SUNNY VERY BRIGHT 11∞AM JPT BC1

(4)

P.P 120 BC IN H.H. PG 25

PP 119 OU. H/SM

	+	HI	−	ELEV
PP 119				1159.82
	0.88			
TP 1			7.85	
	2.81			
TP 2			6.51	
	3.51			
TP 3			6.57	
	3.24			
TP 4			6.74	
	3.04			
TP 5			6.27	
	3.57			
TP 6			6.88	
	2.79			
~~TP 7~~			6.21	
	3.47			
TP 8			5.77	
	4.80			
PP 133			5.92	1129.21
	6.04			
PANEL 133			5.13	1130.12
	3.47			
TP 11			7.17	
	3.56			
TP 12			6.34	

12-28-89 CLOUDY & BRIGHT SUN WARM

(42)

PP 119 #4 RB IN HOLE

PP. 133 1½" OP IN HOLE

PP 133 PANEL

	+	HI	−	ELEV
	3.83			
TP13			5.91	
	3.47			
TP14			6.54	
	3.09			
TP15			6.71	
	3.57			
TP16			6.60	
	3.61			
TP17			5.98	
	4.09			
TP18			6.09	
	3.95			
P.P 134			6.56	1104.86 ~~1102.95~~

[WRONG BOTTOM?

P.P. 134 0.18 LOW BC IN H.H.

12-28-89
Cloudy Nice

	+	HI	−	ELEV
PP 133				1129 21
	5 92			
TP1			4 83	
	6 02			
TP2			3 27	
	6 20			
TP3			3 74	
	6 31			
TP4			2 53	
	7 24			
TP5			4 00	
	5 19			
TP6			2 22	
	4 64			
TP7			2 36	
	4 82			
TP8			1 89	
	4 01			
PP 132			1 53	1153 20
	5 30			
TBM 132			5 93	115247
	6 58			
TP11			3 58	
	5 38			
TP12			3 81	

PP 132 1" STEEL SHAFT BENT

TBM 132 NE TO HEAD WALL

12-28-89
NICE MILD DAY AP

SPT
BC-1

	+	HI	−	ELEV
	7.05			
TP 13			1.86	
	8.54			
PP 129			9.01	
	5.74			
TP 15			1.46	
	5.77			
TP 16			1.24	
	5.48			
TP 17			2.52	
	7.17			
TP 18			2.54	
	5.43			
PP			2.76	1182.83

PP 129

PP 118 1½" STEEL SHAFT {PG 36}

	+	HI	−	ELEV	
PP 106				1149.83	
	2.64				
TP1			6.49		
	2.91				
TP2			6.26		
	3.27				
TP3			6.07		
	3.48				
TP4			6.98		
	2.84				
TP5			6.25		
	4.06				
TP6			6.50		
	3.24				
TP7			6.26		
	3.55				
PP 107			5.66		1125.39

12-29-89 SOLD RAINED EARLY PM JPT BC1 (46)

PP 106

PP 107 1/2" IRON PIN IN HOLE (PG26) 0.225 right

	+	HI	−	ELEV
PP 93				1182.83
	2.45			
TP1			6.86	
	2.90			
TP2			7.28	
	3.81			
TP3			7.43	
	3.97			
TP4			7.74	
	3.50			
TP5			8.29	
	2.85			
TP6			7.68	
	3.86			
TP7			7.74	
	3.86			
PP 94			7.52	
	6.43			
TP 9			2.81	
	5.33			
TP 10			1.86	
	5.93			
TP 11			2.18	
	7.12			
TP 12			2.23	
94				

12-29-89
CLOUDY TO SUNNY

(47)

PP 93 BC IN HH (PG 28)

PP 94 4RB IN HH

	+	HI	−	ELEV	
	6.81				
TP13			2.50		
	6.22				
TP14			2.73		
	6.06				
TP15			2.74		
	5.79				
TP16			2.70		
	5.36				
PP #93			1.97	118.82	

PP 93 0.01 Low

	+	HI	−	ELEV
PP 78				1203.29
	1.42			
TP1			6.98	
	3.56			
TP2			6.98	
	4.11			
TP3			7.77	
	3.52			
TP4			7.41	
	3.53			
TP5			8.88	
	3.61			
TP6			6.87	
	3.33			
TP7			7.51	
	2.86			
TP8			7.27	
	3.68			
PP 79			7.47	
	7.52			
TP10			2.30	
	6.75			
TP11			2.41	
	6.85			
TP12			3.36	

12-29-89
CLOUDY WARM TO SUNNY

(49)

P.P. 78 BC IN ~~HAND~~ HOLE

PP 79 BC IN HH

	636		
TP13		279	
	790		
TP14		307	
	643		
TP15		286	
	689		
TP16		292	
	575		
TP17		312	
	674		
PP 78		088	

P.P 78	01 Low

	+	HI	−	ELEV
PP. 78				1203 33
	3 74			
TP1			4 23	
	6 50			
TP2			3 98	
	6 31			
TP3			4 41	
	6 52			
TP4			3 23	
	7 05			
TP5			3 97	
	6 74			
TP6			5 03	
	6 75			
TP 7			4 44	
	6 45			
PP 65R			2 86	1221 24
	4 15			
TBM65R			4 97	1220 42
	3 66			
TP 10			6 93	
	4 48			
TP 11			7 06	
	3 69			
TP 12			6 80	

~~STARS COOL~~ 1-3-90 JP π AS I (51)

P.P. 78	BC IN HT { FROM ADS ELEV }
PP 65R	PANEL IN ROAD
TBM 65R	NAIL IN N/E HEAD WALL

	+	HI	−	ELEV
	4 45			
TP 13			6 68	
	3 81			
TP 14			7 04	
	4 27			
TP 15			7 24	
	3 97			
			6 50	
	3 93			
PP66 −			7 84	1196 59
	~~6 21~~			
~~PANEL~~			~~5 72~~	~~1197 08~~

66

12 1-3-90 JP AS 1

52

Slight wind cool

PP 66 BC IN H H

~~PANEL~~

LIGHT WIND COOL

TBM ~~PP~~ 65R				1220 42		
	6 13					
TP1			4 01			
	6 52					
TP2			4 06			
	7 50					
TP3			3 36			
	6 15					
TP4			3 62			
	5 74					
PP# ~~TP5~~ 61R			4 00	1233 41		P.P.# 61R PK PANEL SAME ELEV IN PAVMENT
	5 83					
TP6			4 32			
	6 65					
TP7			3 02			
	7 35					
TP8			3 96			
	6 29					
PP 51			1 48	1246 75		P.P. #51 BC IN HH
	3 67					
PANEL			3 22	1247 20		PANEL
	2 21					
TP 11			5 35			
	4 48					
TP 12			7 23			

	+	HI	−	ELEV	
	3.06				
TP13			7.22		
	3.09				
TP14			7.76		
	3.14				
TP15			7.28		
	2.94				
TP16			6.75		
	3.22				
TP17			6.07		
	4.20				
TP18			5.52		
	4.73				
PP*52			5.54	1219.55	
—	5.64				
TP19			4.32		
	5.77				
TP20			3.88		
	6.27				
TP21			3.14		
	6.80				
TP22			2.92		
	6.96				
TP22			2.35		

52

PP*52

RETURN

	+	HI	−	ELEV
	6^{89}			
TP23			2^{99}	
	6^{83}			
TP24			2^{62}	
	5^{83}			
TP25			4^{36}	
	5^{34}			
PPANEL			2^{14}	1247^{16}
	3^{48}			
PP51			3^{93}	1246^{71}
	1^{56}			
TP28			5^{63}	
	3^{72}			
TP29			6^{58}	
	2^{71}			
TP30			6^{79}	
	3^{20}			
TP31			5^{05}	
	4^{37}			
PP61R			4^{88}	1233^{34}
	3^{10}			
33			6^{40}	
	3^{72}			
34			6^{78}	

SUNNY COOL 55°

1/31/~~84~~ 90 JPT AS 1

(55)

PANEL 0^{04} LOW ON MYSELF

PP51 BC IN HH 0^{04} LOW ON MYSELF

PP 61R 0^{07} LOW ON MYSELF

	+	HI	−	ELEV	
	2.45				
TP 35			5.52		
	2.84				
IBM 65R			6.39		

TBM 65R	0.06	LOW ON MYSELF

	+	HI	−	ELEV
PP 66				
	6^{98}			1196^{59}
TP1			3^{77}	
	5^{95}			
TP2			3^{76}	
	6^{31}			
TP3			3^{05}	
	6^{10}			
TP4			3^{23}	
	6^{53}			
TP5			3^{77}	
	5^{74}			
TP6			3^{77}	
	6^{71}			
TP7			3^{35}	
	5^{94}			
TP8			3^{42}	
	5^{23}			
TBM65R			3^{53}	1220^{43}
	4^{58}			
PANEL65R			3^{75}	1221^{26}
	2^{51}			
TP 11			5^{45}	
	3^{32}			
TP 12			5^{19}	

RETURN LOOP 1/4/~~89~~ 90 39° JP π
FROM PAGE 52 COLD CLEAR AS 1 57

PP 66 BC IN HH

TBM 65R 0^{01} HIGH

PANEL 65R ~~1221~~ ^{26} 0^{02}

	+	HI	−	ELEV
	3 75			
TP 13			5 08	
	3 48			
TP 14			6 22	
	3 21			
TP 15			6 49	
	3 77			
TP 16			5 52	
	3 19			
			5 60	
	3 63			
			6 25	
	4 02			
PP 78			3 04	1203 30

PP 78 0 03 LOW ON LOOP

	+	HI	−	ELEV
PP51				1246.71
	3.36			
TP1			3.17	
	6.11			
TP2			5.21	
	7.39			
TP3			5.11	
~~TP~~	6.98			
TP4			5.35	
	7.49			
TP5			5.12	
	7.36			
TP6			3.84	
	6.37			
TP7			3.86	
	5.73			
TP8			4.21	
	6.39			
PP37R			2.96	
	4.69			
TBM37R			4.18	
	2.90			
TP11			5.76	
	2.88			
TP12			6.03	
37				

COID CLEAR

1/14/~~89~~ 90 JP π AS 1

59

PP51 BC IN HH

PP37R PK & SHINER

TBM 37R W OF PP X ON HEAD WALL

	+	HI	−	ELEV	
	2^{81}				
TP13			5^{87}		
	3^{83}				
TP14			4^{99}		
	3^{18}				
TP15			4^{82}		
	3^{79}				
16			5^{00}		
	3^{70}				
17			4^{40}		
	3^{28}				
P.P. 38R			4^{23}		
	4^{35}				
TBM			5^{00}		
	3^{89}				
TP 20			3^{59}		
	5^{42}				
TP 21			4^{05}		
	4^{73}				
TP 22			3^{48}		
	4^{47}				
TP23			3^{62}		
	6^{05}				
TP 24			4^{18}		

38

COOL

1(4) ~~89~~ 90 JP π AS 1 60

PP 38R 5/8 REBAR 0^{43} LOW

TBM SOUTH OF PP ON YON CEMENT PIPE

RETURNING

	+	HI	-	ELEV
	4.93			
TP25			3.69	
	6.13			
TP 26			3.29	
	6.03			
TP 27			3.11	
	5.17			
TBM 37R			2.48	
	3.10			
RP 37R			3.63	
	3.57			
TP30			5.83	
	2.49			
TP 31			4.63	
	3.30			
TP 32			5.86	
	2.95			
TP 33			5.71	
	2.43			
TP 34			4.74	
	2.76			
TP 35			4.71	
	2.44			
TP 36			4.41	

TBM 37R 0.05 LOW

RP 37R 0.07 LOW

	+	HI	−	ELEV
	2 77			
P 37			5 31	
	4 30			
PP51			4 23	

PP51 OFF LOW

PP 38R		
	1.49	
TP1		7.10
	2.17	
TP2		5.66
	2.97	
TP3		6.16
	3.00	
TP4		5.64
	4.08	
~~PP47~~		5.72
	1.07	
TP6		6.63
	2.93	
		6.05
	3.63	
		6.00
	2.93	
PP 52		6.75

COLD CALM

1-5-~~87~~ SPT 63
90 A51

PP 38R

PP47 HAS BEEN TORN OUT

PP 52 ✓IN 00Z HIGH

	+	HT	−	ELEV
37 R				
	7.15			
TP1			4.65	
	6.57			
TP2			4.59	
	7.72			
TP3			4.65	
	8.34			
TP4			4.28	
	6.73			
PP 34			4.97	
	6.26			
TP6			4.77	
~~TP6~~	6.64			
TP7			4.99	
	6.58			
TP8			5.32	
	6.99			
PP 27			3.00	
	5.62			
PANEL			5.20	
	3.97			
TP9			5.51	
	3.45			
TP10			5.42	
34 27				

PP 37R NAIL & SHINER

PP 34 NAIL & SHINER

PP 27 BC IN HAND HOLE

PANEL

	+	HI	−	ELEV
	3.76			
TP #1			5.28	
	3.77			
TP #2			5.54	
	3.14			
TP #3			6.71	
	3.00			
TP 14			6.33	
	2.15			
TP 15			6.82	
	2.04			
PP 28			7.40	

PP 28 BC IN HAND HOLE 0.36 FOUND
WILL RUN BACK

SUNNY BRIGHT WARM 1-8-89 90 66

	+	HI	-	ELEV
PP27				1287 18
	5 82			
TP1			3 63	
	6 34			
TP2			4 26	
	6 53			
TP3			4 74	
	7 57			
TP4			3 79	
	6 75			
TP5			3 82	
	5 25			
TP6			3 97	
	5 44			
TP7			4 34	
	6 18			
TP8			4 22	
	6 19			
TP9			3 88	
	7 32			
P.P. 17R			3 41	1310 51
	6 24			
TBM 17R			4 71	1312 04
	3 15			
TP12			4 93	

PP27 BC IN HH

P.P. 17R 5/8" REBAR

TBM17R @ HEAD WALL NE OF PP

NICE DAY

1-8-~~89~~ 90

A.S. SICK WENT HOME

	+		−		
	5 02				
TP13			6 35		
	2 96				
TP14			6 26		
	3 32				
TP15			6 01		
	2 55				
TP16			6 43		
	1 18				
TP17			6 10		
	3 76				
TP18			5 73		
	4 47				
TP19			5 28		
	3 96				
TP20			5 62		
	3 84				
PP 18R			5 47	1288 07	
~~PP 18R~~ ~~TBM~~	4 76				
TBM 18			3 55	1289 28	

PP 18R 5/8" REBAR 0 04 HIGH

~~PP 18R~~ ~~5/8" REBAR~~

TBM 18 N OF PP PK IN HEADWALL

	+		−		
PP 17R					
	4 04				
TP1			1 26		
	6 29				
TP2			5 32		
	5 06				
TP3			3 28		
	5 34				
TP4			3 65		
	6 00				
TP5			6 27		
—	6 07				
TP6			2 22		
	4 91				
TP7			4 10		
	2 48				
TP8			2 47		
	6 25				
TP9			4 50		
	9 28				
TP10			4 55		
	6 17				
TP11			2 32		
	5 85				
PP 7R			5 32	1332 99	

SUNNY
MID 70's

1-9-89
JPT
BC 1

68

PP 17R 5/8" RE-BAR

PP 7R 5/8 REBAR

	+		−		
	5 45				
TBM TR			2 71	1335 73	
	2 68				
TP 14			7 15		
	2 73				
TP 15			5 66		
	4 47				
TP 16			8 26		
	4 54				
TP 17			5 48		
	5 61				
TP 18			6 41		
	4 28				
TP 19			5 27		
	4 88				
TP 20			5 54		
	3 09				
TP 21			6 11		
	2 83				
TP 22			7 16		
	0 55				
TP 23			7 96		
	3 38				
TP 24			4 68		

TBM TR - NAIL IN POWER POLE NW OF PP

PP8R	466	423	130552

PP8R 0° HIGH

1-10-90 WARM 84°

J. POOR ↑

BOB CRUZ 1' -65

2nd 1ST 77R TO 75R TO 64R TO 65R

2nd 2ND 64R TO 50 TO 51

2nd 3RD 64R TO 63 TO 64R LOOP

	+		−		
PP 77R					
	491				
TP1			465		
	451				
TP2			483		
	547				
TP3			344		
	596				
TP4			346		
	548				
PP 75R			631	1246 32	
	572				
TBM 75R			485	1247 19	
	665				
TP7			393		
	612				
TP8			394		
	639				
TP9			347		
	580				
10			321		
	528				
PP 64R			273	1260 15	
	276				
TBM 64R			269	1260 22	

PP 77R

PP 75R CITRUS NAIL & SHINER IN DIRT RD

TBM 75R S.E. OF PP NAIL IN CEMENT BASE OF A WATER BLOW OFF VALVE

~~PR~~

PP 64R NAIL & SHINER IN DIRT

TBM 64R NAIL IN ~~DISPOF~~ DITCH NE OF PP CITRUS & CACTUS

	T	—	
	0 90		
TP 13		7 05	
	2 64		
TP 14		6 28	
	2 80		
TP 15		7 68	
	2 08		
TP 16		6 97	
	4 73		
~~VR 7~~ WAD ...		4 18	1241 21
	1 67		
TP 18		7 72	
	3 38		
TP 19		6 37	
	3 40		
TP 20		7 72	
	3 13		
TP 21		6 69	
	4 02		
P.P. 65 R		7 03	1221 28

TRIANGULATION STATION WAD Δ 1986
CACTUS RD ~~32~~ 14 23

PP 65 R NAIL & SHINER CACTUS & COTTON
0 03 High

	+		−	
PP 64R				
	5 31			
TP1			4 37	
	4 58			
TP2			3 13	
	5 69			
TP3			3 69	
	4 94			
TP4			3 93	
	5 52			
TP5			2 31	
	5 05			
TP6			3 06	
	6 54			
TP7			3 96	
	5 52			
TP8			3 07	
	5 84			
PP50			2 70	
	6 28			
PANEL			5 87	
	2 53			
TP11			7 34	
	3 07			
TP12			8 06	

PP 64R NAIL & SPINNER CITRUS & CACTUS

PP 50 BC IN HH CITRUS & WADDELL

PANEL N Rim 1.1 H

	2.76		
TP13		7.56	
	3.02		
TP14		6.95	
	4.21		
TP15		8.98	
	2.51		
TP16		6.59	
	3.71		
TP17		7.52	
	4.05		
TP18		5.70	
	5.19		
PP 51		5.60	

PP 51 2" BC IN HH 0.19 LOW
COTTON & WADDELL

PP64R			
	5 74		
TP1		357	
	8 00		
TP2		457	
	7 77		
TP3		1 73	
	6 83		
TP4		2 14	
	9 79		
TP5		3 07	
	7 50		
TP6		1 48	
	9 46		
TP7		1 95	
	7 83		
TP8		2 95	
	6 21		
PP63R		1 15	130661
	3 77		
TBM63R		2 92	130752
	0 22		
TP11		6 88	
	1 45		
TP12		6 72	

PP64R NAIL & SIGNAL CITRUS & CACTUS

PP63R CACTUS & PERRY MILL

TBM 63R X ON TOP OF DITCH N OF PP

FP					
	0 63				
TP13			7 97		
	1 72				
TP14			7 47		
	1 42				
TP15			8 35		
	1 26				
TP16			6 27		
	1 28				
TP17			6 34		
	3 82				
TP 18			8 18		
	4 12				
PP 64R			5 12	12 60 14	

PP 64R 0 01 LOW CACTUS & CITRUS

1-11-90

J. POOR π

BOB CRUZ 1

P.G. 79- PP 17R TO 16R & RETURN

PP 17R		
	6 29	
TP1		3 75
	5 62	
TP2		2 61
	6 05	
TP3		2 52
	6 06	
TP4		4 43
	7 58	
TP5		6 90
	6 09	
TP6		5 06
	6 53	
TP7		2 91
	4 49	
TP8		5 23
	5 51	
PP 16R		4 36
	5 06	
TBM 16R		6 19
	5 28	
TP 11		5 27
	5 01	
TP 12		3 96

PP 17R 5/8" REBAR COTTON & UNION HILLS

PP 16R NAIL & SHINER

TBM 16R NAIL IN CEMENT DITCH SOUTH OF PP UNION HILLS AND CITRUS

	+		−		
	2 49				
TP13			6 17		
	4 80				
TP14			5 54		
	5 26				
TP15			6 28		
	3 64				
TP16			5 00		
	1 17				
TP17			6 37		
	3 13				
TP18			5 94		
	4 20				
PP17R			5 81		
	94 26		94 30		

PENTEX	1-5-89 JP T AS 1
AL-MSC	614145
+	−
3785	
	4624
5619	
	4787
4563	
	5399
4604	
	3764
18571	18574

NOTE: 80 330 PAGES OF NOTES JP

INDEX OF CURVE AND REDUCTION TABLES

Table I—SLOPE STAKE

Table II—STADIA CORRECTION AND HORIZONTAL DISTANCES

Table III—TRIGONOMETRIC FORMULAE

Table IV—NATURAL TRIGONOMETRICAL FUNCTIONS

CURVE FORMULAE

Table V—TANGENTS AND EXTERNALS TO A 1° CURVE

USEFUL RELATIONS

Table VI—INCHES TO DECIMALS OF A FOOT

Table VII—MINUTES IN DECIMALS OF A DEGREE

Table VIII—MIDDLE ORDINATES OF RAILS

Table IX—SHORT RADIUS CURVES

Table X—RODS IN FEET, 10THS AND 100THS OF FEET

Table XI—LINKS IN FEET, 10THS AND 100THS OF FEET

#5

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INDEX

WHITE TANICS

PT #	154 ⇄ 155	P. 1-3
PT #	155 ⇄ 156 - 157	P. 4-
PT #	112 - 113	P. 7-
PT #	113 - 114	P. 10-
PT #	112 - 125	P 14-
PT	113 - 127	P 17-
PT	127 - 128	P 20-
PT	127 - 126 - 125	P 23-
PT	127 - 141	P 26-
PT	VAID 142 - 143	P 29-
* PT	141 - 142 - 143	P 32
PT	125 - 140	P 36
PT	140 - 139 - 138	P 39
PT	134 - 135 - 136 R	P 42
PT	134 - 130	P 46
PT	121 - 122 - 123	P 48
* PT	136 - 137	P 52
PT	140 - 155	P 55
PT	157 - 158	P 58
PT	159 - 170	P 61
PT	170 - 186	P 64
PT	186 - 200	P 67
PT	200 - 201	P 70
PT	112 - 111	P 72
	NEXT PAGE	

PT 87-86 P. 74

PT 87-88 P. 77

①

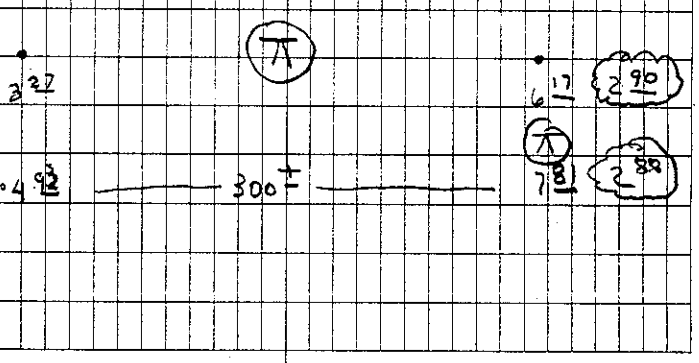
LEVEL BENTEK PAL-SC
441231

DEC 15 1990, COOL CLOUDY

W B CRUZ

L K GOMEZ

PT. 154 ⇄ 155



STA	+	π	−	ELEV	
	6 91				
			6 40		
	6 40				
			3 42		TP1
	6 55				
			3 34		TP2
	6 28				
			3 39		TP3
	6 39				
			3 38		TP4
	7 25				
			2 80		TP5
	7 32				
			2 95		TP6
	6 62				
			4 40		TP7
	4 18				
			10 19		TP8
	1 48				
			8 85		
	8 87				
			8 19		
	8 19				
			0 79		TP9

PT# 154 ℄ ℄ CAMELBACK ℄ BULLARD (HAND HOLE) SM.

PT# 154 HAND HOLE RIM

PT 155 LITCH FIELD ℄ CAMELBACK (HAND HOLE) SM

PT# 155 RIM HAND HOLE

STA	+	π	−	ELEV	
	9 60				
			4 38		IP10
	4 57				
			6 11		TP 11
	3 33				
			6 77		TP 12
	2 09				
			7 45		TP 143
	2 59				
			6 42		TP 154
	3 19				
			6 27		TP 15
	3 26				
			6 53		TP 16
	3 25				
			6 05		TP 17
	4 49				
			5 59		-0 06

PT 154 BRASS SM IN HAND HOLE

PT 155 ⇄ 156 = 157

CAMAL BACK

⊔ CRUZ

⊼ K GOMEZ

STA	+	℄	−	ELEV	TURN
	4.95				
			5.68		1
	2.16				
			4.94		2
	2.78				
			4.75		3
	3.38				
			4.54		4
	2.23				
			8.94		5
	3.29				
			5.43		6
	0.63				
			5.36		7
	3.65				
			4.35		8
	3.78				
			4.36		9
	3.94				
			2.43		10
	2.61				
			4.92		11
	4.93				
			3.57		12

BRASS S.M. IN HAND HOLE LITCHFIELD & CAMEL BACK

PT# 156 1/2" IP Found

PT# 157 BRASS SM ~~IN HAND HOLE~~ FLAT WITH PMT DYSART & CAMEL BACK

STA	+	℄	−	ELEV	TURN
	4.24				
			3.55		13
	4.89				
			0.93		14
	7.82				
			0.63		15
	5.88				
			3.03		16
	4.50				
			3.12		17
	5.28				
			2.19		18
	5.80				
			4.06		

PT # 155 BRASS SM Litchfield 3 CAMELBACK
− 004

PT# 112 ⇄ 113

PT# 112 LITCH FIELD & NORTHERN
PT# 113 DYSART & NORTHERN

JAN 16 1990
COOL CLOUDY

W B CREW
T K COMEX

PENTEX LEVEL PAL-SC
44 1 Z 31

Sta.	+	T	−	Elev.	Turns
	[illegible]			1085.43	
	4.64				
			5.29		1
	4.86				
			5.41		2
	5.26				
			5.54		3
	4.38				
			5.91		4
	4.54				[illegible]
			5.22		5
	5.29				[illegible]
			5.35		6
	4.53				
			6.09		7
	4.82				
			5.15		8
	5.32				
			5.91		9
	5.19				
			5.60		10
	4.53				
			4.63		11

(8)

PT #112 BRASS SM IN HAND HOLE

PT #113 BRASS SM IN HAND HOLE

STA	+	Π	−	ELEL	TURN
	x4.59				
			4.23		12
	5.12				
			5.16		13
	5.37				
			4.70		14
	5.33				
			5.16		15
	5.45				
			4.59		16
	6.19				
			5.20		17
	5.18				
			5.08		18
	5.60				
			4.13		19
	5.98				
			4.83		20
	4.91				
			4.79		21
	5.21				
			4.75		22
	4.75				
			4.23		

PT 113 RIM HAND HOLE

PT 112 BC. IN HAND HOLE

x 0.09

PT# 113 - 114 ~ 115

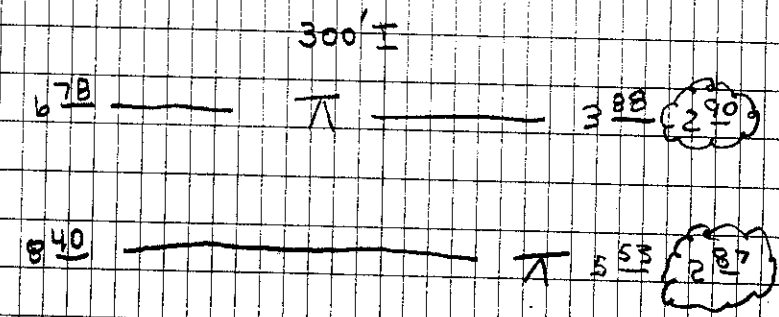
LEVEL PENTEX ALM-5C

JAN 17 1990

COOL CLOUDY WINDY

B CRUZ

K GOMEZ



STA.	+	π	−	ELEV	TURNS
	5.06				
			5.33		①
	5.27				
			5.70		②
	4.92				
			5.40		3
	4.74				
			4.76		4
	5.35				
			4.43		5
	5.59				
			5.32		6
	5.48				
			4.88		7
	6.56				
			5.25		8
	5.44				
			4.49		9
	6.69				
			3.80		10
	6.39				
			3.59		11
	5.62				
			4.63		12

PT#113 BRASS SM IN HAND HOLE

PT#114 BRASS SM IN HAND HOLE

RIM OF HAND HOLE

STA	+	π	−	ELEV	TURNS
	5.23				
			7.03		13
	0.09				
			9.46		14
	2.95				
			6.69		15
	7.79				
			0.71		16
	11.49				
			3.73		17
	5.69				
			5.63		18
	4.56				
			6.53		19
	3.54				
			6.38		20
	3.73				
			6.10		21
	5.08				
			5.62		22
	3.51				
			6.33		23
	4.79				
			5.12		24
	5.28				
			5.24		25

PT # 115 [illegible] PK Nail ℄

STA	+	π	−	ELEV	TURNS
	5.63				
			4.72		26
	5.33				
			4.94		

PT #113 BRASS 3M IN Hand Hole
−0.01

(14)

PT 112 - 125

LEVEL PENTEX ALM-SC

JAN 17 1990

COOL, CLOUDY, WINDY, RAIN

W B CRUZ

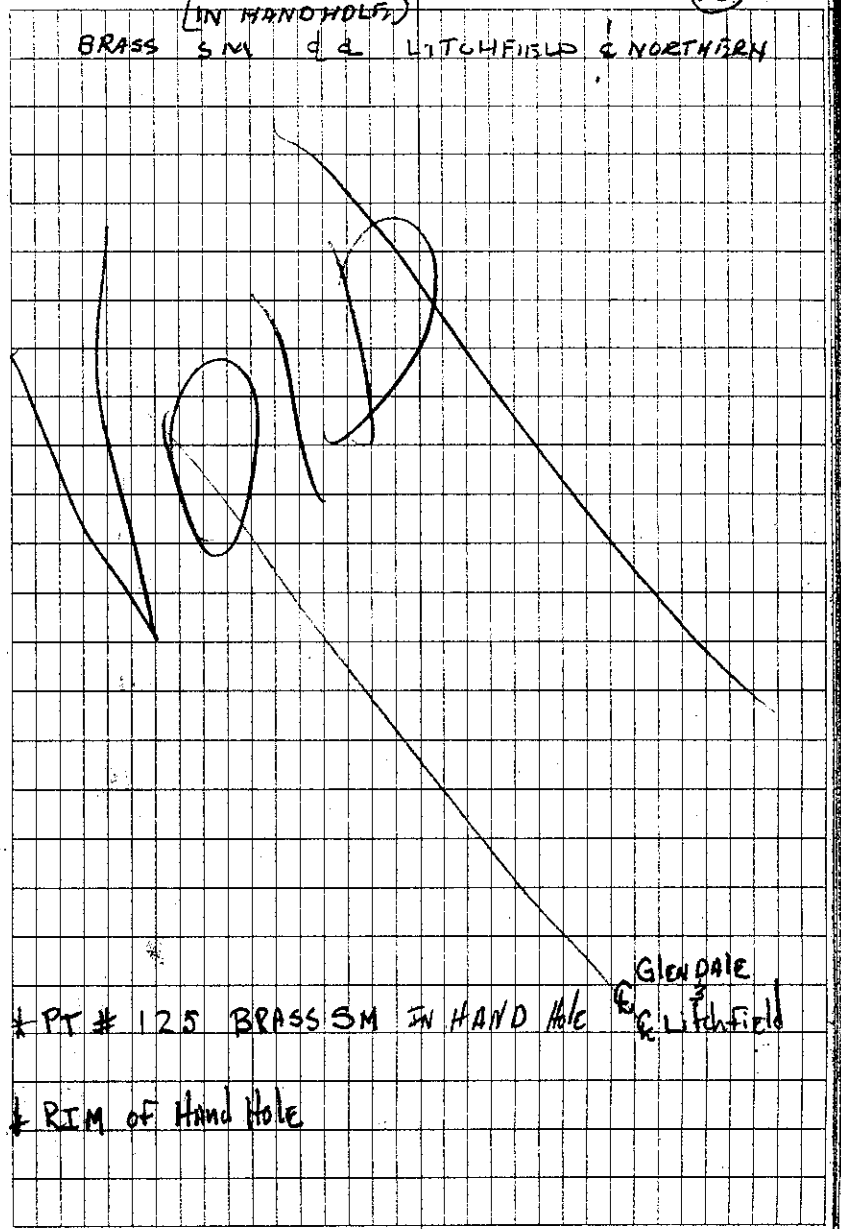
T K GOMEZ

STA	+	π	−	ELEV 1085.43	TURN
	4.61				
			5.65		1
	4.65				
			5.41		2
	4.61				
			5.28		3
	4.23				
			5.70		4
	3.64				
			5.79		5
	4.03				
			5.83		6
	4.44				
			6.02		7
	5.60				
			4.83		8
	5.59				
			4.51		9
	3.52				
			3.41		10
	4.78				
			4.40		11
	4.73				
			5.74		12

(15)

(IN HANDHOLE)

BRASS SM @ E LITCHFIELD & NORTHERN



STA	+	T	−	Elev	Turns
	5.13				
			6.11		13
	5.23				
			4.46		14
	6.35				
			4.39		15
	5.51				
			4.19		16
	6.09				
			4.46		17
	6.15				
			4.96		18
	5.95				
			4.60		19
	5.88				
			4.03		

(17)

PT # 113 — 127
LEVEL PENTEY ALM-SC
JAN 18 1990
COOL CLOUDY
W B CRUZ
L K GOMEZ

STA	+	T	−	ELEV	TURN
	5.64				
			5.06		1
	5.49				
			4.89		2
	5.35				
			5.11		3
	5.30				
			5.05		4
	5.40				
			5.06		5
	6.29				
			4.97		6
	5.19				
			4.91		7
	5.60				
			4.13		8
	5.73				
			5.13		9
	4.87				
			5.90		10
	5.33				
			5.72		11
	5.61				
			5.26		12

(BC 5M IN HANDHOLE)

PT # 113 ℄ ℄ NORTHERN & DYSART

PT # 127 ℄ ℄ DYSART & GLENDALE
(½" I.P IN Hand Hole)
RIM OF HAND HOLE

STA	+	⊼	−	ELEV	TURN
	5.49				
			5.39		13
	5.95				
			4.85		14
	5.34				
			6.62		15
	4.94				
			6.10		16
	5.15				
			4.37		17
	3.70				
			5.95		18
	4.98				
			5.03		19
	5.13				
			5.33		20
	5.04				
			5.89		21
	4.74				
			5.53		

PT # 113 ℄ NORTHERN ⅓ DYSART
+0.01

PT # 127 - 128

LEVEL PENTEX ALMSC

JAN 18 1990

COOL CLOUDY

W BREWZ

L K COMEZ

STA	+	Δ	−	ELEV	TURN
	4.82				
			5.73		1
	5.76				
			4.94		2
	3.58				
			5.90		3
	5.19				
			5.76		4
	5.05				
			6.84		5
	3.21				
			7.67		6
	3.04				
			3.08		7
	5.49				
			9.09		8
	0.33				
			8.39		9
	5.42				
			2.39		10
	4.96				
			5.15		11
	4.21				
			4.52		12

(PIN IN HAND HOLE) (2)

PT # 127 ℄ DYSART & GLENDALE

PT # 128 ℄ GLENDALE (PK Nail)

10.99

Sta	+	T	−	Elev	Turn
	5.05				
			4.12		13
	5.36				
			6.63		14
	3.52				
			2.65		15
	10.04				
			1.55		16
	7.75				
			7.60		17
	5.70				
			3.13		18
	7.74				
			4.71		19
	6.70				
			5.43		20
	6.37				
			5.16		21
	6.12				
			2.86		22
	3.93				
			5.47		23
	5.46				
			5.97		

PT # 127 ℄ ℄ DYSART & GLENDALE (½" IP IN Hand Hole)
∠ − 0°06'

AT #127 — 126 - 125

LEVEL PENTEX ALM-SC

JAN 18, 1990

COOL CLOUDY

W B CRUZ

T K GOMEZ

STA	+	π	−	ELEV	TURN
	5.51				
			5.34		1
	5.49				
			5.81		2
	5.83				
			6.05		3
	4.84				
			5.23		4
	4.29				
			4.93		5
	4.11				
			5.93		6
	5.12				
			5.32		7
	4.83				
			6.07		8
	4.64				
			5.80		9
	5.24				
			5.39		10
	5.33				
			4.94		11
	4.96				
			4.49		12

PT # 127

1/2" REBAR IN HAND HOLE ℄ ℄ BYSART & GLENNDALE

PT # 126 ℄ Glendale (PK Nail & Shiner)

PT # 125 ℄℄ Glendale & Litchfield (BRASS SM in Hand Hole)

Rim of Hand Hole

STA	+	A	−	Elev	Turn
	5.72				
			4.53		13
	6.20				
			4.88		14
	5.23				
			5.50		15
	5.93				
			4.99		16
	6.24				
			5.09		17
	5.24				
			4.73		18
	5.64				
			5.40		19
	5.75				
			5.70		20
	5.24				
			5.29		21
	5.54				
			5.53		

(½ IP IN Hand Hole)

PT# 127 ℄ DYSART & Glendale

-0.04

PT # 127 - 141
LIEVEL IDENTIFY ALM SC
JAN 10 1990
W BCRUZ
T K GOMEZ
COOL CLOUDY

STA	+	π	—	ELEV	TURNS
	* 6.13				
			4.72		1
	5.82				
			3.36		2
	6.92				
			2.82		3
	6.83				
			2.83		4
	6.82				
			3.40		5
	7.58				
			3.13		6
	6.45				
			3.82		7
	3.98				
			6.13		8
	4.15				
			7.25		9
	0.48				
			10.46		10
	2.73				
			6.13		11
	9.23				
			0.35		12

PT# 127 ℄℄ DYSART & GLENDALE
(1/2" IP IN Hand Hole)

PT# 141 BRASS SM Flush to PAUMT

STA	+	T	−	ELEV	TURN
	x 9.97				
			3.49		13
	7.02				
			4.81		14
	6.06				
			5.55		15
	2.89				
			7.13		16
	2.66				
			6.89		17
	2.62				
			6.60		18
	2.67				
			6.69		19
	2.99				
			6.58		20
	4.43				
			5.37		21
	5.12				
			6.01		

PT # 127 ℄ ℄ DYSART & GLENDALE
(½" I.P. IN Hand Hole)

PT #141 - 142 - 143

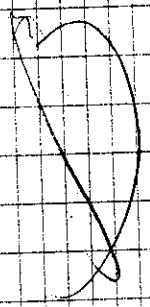
LEVIEL PENTEX ALM-5C

JAN 19 1990

COOL CLEAR

W B CRUZ

T K GOMEZ



300' ±

6.68 T 3.80 2 88

8.29 T 5.42 2 87

STA	+	A	−	ELEV	TURN
	* 7.52				
			0.59		1
	9.89				
			1.38		2
	7.59				
			8.50		3
	1.21				
			9.71		4
	1.67				
			10.14		5
	0.39				
			11.61		6
	0.35				
			9.89		7
	0.83				
			9.88		8
	0.89				
			9.58		9
	3.19				
			6.32		10
	3.92				
			8.94		11
	2.99				
			7.34		12

PT# 141 ℄ DYSART ⅓ BETHANY HOME
(BRASS SM FLUSH W/PKNT)

PT# 142 ℄ BETHANY HOME
(½" IP FOUND)

PT# 143 ℄ BETHANY HOME ⅓ ELMERAGE
(2" IRON PIN)

STA	+	π	−	ELEV	TURN
	7.35				
			7.23		13
	7.24				
			2.96		14
	8.54				
			3.59		15
	6.32				
			3.89		16
	8.63				
			1.24		17
	10.09				
			0.53		18
	10.38				
			0.53		19
	12.22				
			0.41		20
	9.96				
			1.48		21
	10.03				
			0.28		22
	7.56				
			11.81		23
	0.40				
			11.78		24
	5.07				
			7.83		

PT # 143 PAVMT (PANEL ELEV)

PT # 141

PT 141, 142, 143

LEVEL PENTEX ALM-5C

JAN 73 90

COOL CLEAR

W CRUZ

T GOMEZ

300' ±

6.67 — T — 3.79 — 2.88

8.51 — T — 5.62 — 2.89

STA	+	HI	−	ELEV	TURN
	8.53			1086.73	
			0.26		1
	12.59				
			0.78		2
	4.96				
			9.43		3
	0.52				
			8.99		4
	1.46				
			10.90		5
	0.83				
			10.23		6
	1.03				
			9.42	1066.64	7
	0.98				
			10.19		8
	1.39				
			9.11		9
	2.95				
			6.51		10
	4.62				
			8.93		11
	3.09				
			7.29		12

PT #141 ℄ DYSART & BETHANY HOME
(BRASS SM Flush W/PUNT)

PT #142 ½" IP ℄ BETHANY HOME

STA	+	↑	−	ELEV	TURN
	4.86				
			6.06	1036.44	13
	6.25				
			6.11	1036.58	14
	6.99				
			3.47		15
	7.73				
			2.00		16
	5.92				
			4.43		17
	7.11				
			1.51		18
	9.95				
			0.81		19
	12.43				
			0.29		20
	12.44				
			0.59		21
	9.96				
			1.32		22
	10.09				
			0.71		23
	8.75				
			11.97		24
	0.65				
			11.13		25

PT#143 2" IP ℄ Bethany Home & ELMIRAGE

PANEL ELEV. PT#143

STA	+	⊼	−	ELEV	TURN
	4.92				
			8.56		

PT 141

PT #125 -140

LEVEL PENTEK ALM SC

JAN 23 89

WARM CLEAR

W B CRUZ

T K GOMEZ

STA	+	π	−	ELEV	TURN
	6.42			1076.94	
			4.65		1
	5.61				
			5.32		2
	5.33				
			5.44		3
	5.72				
			4.69		4
	4.99				
			3.12		5
	8.38				
			7.30		6
	1.48				
			8.70		7
	1.49				
			6.50		8
	7.05				
			2.86		9
	7.34				
			4.69	1077.48	(10) ADJ 1077.50
	4.39				
			3.78	1078.09	(11) ADJ 1078.11
	3.74				
			7.20		12

PT# 125 ℄ Glendale & Litchfield (BRASS SM IN Hand Hole)

PT# 140 ℄ Litchfield (Brass SM IN Hand Hole)

Rim of Hand Hole Pt # 140

STA	+	π	−	ELEV	Turn
	2.44				
			6.46		13
	6.67				
			1.66		14
	9.11				
			0.99		15
	5.94				
			9.10		16
	4.38				
			5.17		17
	4.74				
			5.81		18
	5.54				
			5.33		19
	5.25				
			5.65		20
	4.39				
			6.02		

PT #125 Glendale & Litchfield
−0.04 (BRASS SM in Hand Hole)

PT# 140 - 139 - 138

LEVEL PENTRY ALM SC

JAN 24 90

CLEAR WARM

W B CRUZ

T K GOMEZ

STA	+	⊼	−	ELEV	T/P
	5 72			1077.50	
			4 53		1
	7 86				
			4 64		2
	10 26				
			2 39		3
	5 35				
			6 56		4
	5 02				
			4 76		5
	2 00				
			9 50	1081.33	6
	2 80				
			= 72		7
	4 63				
			6 05		8
	3 50				
			8 00		9
	4 14				
			5 82	1070.81	10
	5 82				
			3 63		11
	8 98				
			4 10		12

PT # 140 B.C. IN HANO HOLE

PP # 139 NAIL & SHINNER

PP # 138 NAIL & SHINNER

STA	+	π	−	ELEV	T/P
	5 58				
			4 38		13
	6 70				
			1 05		14
	9 10				
			5 34		15
	6 45				
			5 59		16
	3 87				
			11 11		17
	4 44				
			7 78		18
	451				
			5 76	1077.52	19

PP # 140 RC IN HAND HOLE
+0.02 ft

PT #134 - 135 - 136R

LEVEL PENTEX ALM 5.0

CLEAR WARM

W B CRUZ

T K GOMEZ

134 = ¢¢ COTTON ¢' BETHANY HOME

135 = ¢¢ SARIVAL ¢' BETHANY HOME

136R = RANDOM POINT

STA	+	T	-	ELEV	T/P
				1104.82	
	4.21				
			6.77		1
	3.96				
			6.92		2
	4.36				
			6.90		3
	4.30				
			6.43		4
	4.32				
			6.79		5
	3.20				
			7.43		6
	4.39				
			6.29		7
	4.26				
			6.38		8
	4.80				
			6.25		9
	4.81				
			7.12	1080.15	10 1080.14 ADJ
	4.68				
			4.16	1080.67	11 1080.66 ADJ
	4.15				
			5.84		12

PT # 134 B.C. IN HAND HOLE

PT # 135 ½" IP IN Hand Hole ✓

PT # 135 RIM of Hand Hole ✓

STA	+	⊼	−	ELEV	TURN
	4.19				
			5.60		13
	4.04				
			5.44		14
	6.04				
			3.16	1079.05	15 (1079.03)
	3.01				
			5.35		16
	6.45				
			5.29		17
	5.49				
			4.58		18
	5.50				
			2.83		19
	6.08				
			5.05		20
	5.52				
			4.14		21
	5.82				
			3.87		22
	6.00				
			3.13		23
	7.81				
			3.81		24
	6.36				
			4.51		25

BT# 136R NAIL & Shiner

STA	+	π	−	ELEV	TURN
	6.43				
			3.69		26
	6.49				
			3.41		27
	6.38				
			3.73		28
	6.29				
			4.63	104.96	104.82

[redacted]

PT #139 BC IN HAND HOLE
+0.04

PT 134 — 130

LEVEL PENTEX ALM SC

CLEAR WARM

W B CRUZ

T K GOMEZ

STA	+	∧	−	ELEV	T/P
				1104.82	
	4.73				
			4.36		1
	5.51				
			3.07		2
	5.83				
			2.94		3
	6.44				
			3.63		4
	5.86				
			3.25		5
	5.90				
			4.14	1117.70	6
	3.30				
			7.09		7
	3.93				
			6.38		8
	3.67				
			7.33		9
	3.68				
			6.25		10
	4.70				
			5.09		

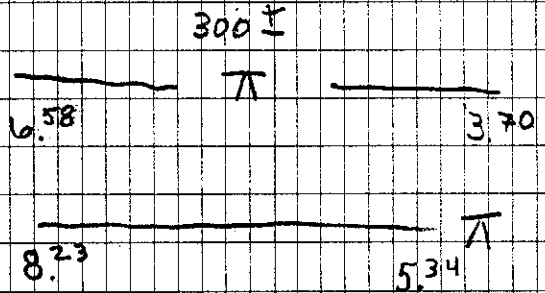
BC 134 IN HAND HOLE & COTTON & BETHANY HOME

DT# 130 Nail & Cotton & Maryland

134 BC IN Hand Hole & Cotton & Bethany Home
-0.02

PT 121, 122, 123
LEVEL PENTEX ALM-SC
CLEAR WARM
W 3 CRUZ
T K GOMEZ

PT 121 =
PT 122 =
PT 123 =



STA	+	π	−	Elev	Turn
				~~1101.32~~ 1101.08	
	6.26				
			6.57		1
	4.61				
			6.56		2
	4.73				
			6.14		3
	4.73				
			6.11		4
	5.16				
			6.75		5
	3.61				
			6.54		6
	4.03				
			6.13		7
	4.23				
			5.82		8
	3.94				
			6.49		9
	4.75				
			5.93		
	6.17				
			6.29 −	1083.97	
	4.26				
			5.96		

PT# 121 ½" IP ℄ Glendale & Sarival

+	π	−	ELEV	T/P
6.64				11
		4.75		

LOST PANEL, ELEVATION FROM PT 122 PUMP FLANGE

122 Pump Flange (PHOTO ID)

PP# 122 = GRND EL = 1085.85

STA	+	⊼	−	ELEV	TURN
	5.15				
			5.90		13
	5.02				
			5.50		14
	5.13				
			5.63	1080.54	15 ~~57~~
	5.64				1080.~~92~~ ADJ
			5.01		16
	5.33				
			4.55		17
	5.69				
			5.16		18
	5.83				
			3.53		19
	5.61				
			4.33		20
	6.28				
			4.56		21
	6.30				
			4.20		22
	6.35				
			4.41		23
	6.96				
			3.25		24
	4.64				
			3.46		25

PT # 123 Nail in Conc. IRRIGATION ditch
(~~PHOTO ID~~)

+	⊼	−	ELEV	T/P
5.37				* TP-15 ~~EBM~~
		6.45		

"LOST PANEL" ELEVATION FROM PT # 123 NAIL IN CONC IRR. DITCH

PP # 123 ELEV = GRND = 1079.44

STA	+	π	−	ELEV	TURN
	5.34				
			3.81		26
	5.19				
			3.07		27
	5.01				
			3.72		28
	4.69				
			5.29	~~1101.05~~	1101.08

PT # 121 ½ IP ℄ ℄ Glendale & SARIVAL

+0.03

PT # 136 - 137

B. JAN 26 1990

LEVEL PENTEX ALM SC

W B CRUZ

T K GOMEZ

STA	+	↗	−	ELEV	TP
				1079.03	
	4.71				
			7.77		1
	5.09				
			5.98		2
	3.50				
			5.40		3
	5.94				
			5.86		4
	4.29				
			5.40		5
	3.72				
			5.24		6
	4.00				
			6.19		7
	2.99				
			6.12		8
	4.74				
			5.73		9
	4.55				
			5.91		10
	6.02				
			4.[illegible]		
	5.43				
			4.[illegible]		

PT # 136 LON. NAIL & SHINER

PT # 137 NAIL & SHINER

STA	+	π	−	ELEV	T/P
	6.71				
			4.63		13
	6.71				
			3.85		14
	5.81				
			4.44		15
	6.07				
			4.40		16
	5.69				
			5.76		17
	6.35				
			4.96		18
	6.63				
			3.48		19
	5.24				
			3.94		

PT #136 NAIL 3' shimmer
−0.01

PT 140 - 155
LEVEL PENTEX ALM-5C
JAN 30 90
CLEAR WARM
B CRUZ
K GOMEZ

300±

6 12 ——— ⊼ ——— 3 23
2 89

7 91 ——— ⊼ 5 03
2 88

STA	+	π	−	ELEV	TP
				1077.50	
	6.29				
			3.83		1
	6.31				
			4.28		2
	5.13				
			6.00		3
	8.62				
			2.07		4
	6.98				
			3.24		5
	0.62				
			11.76		6
	0.57				
			11.58		7
	2.54				
			5.62		8
	3.81				
			6.12		9
	6.20				
			4.34		10
	5.79				
			1.06		11
	12.97				
			0.48		12

PT 140 @ LITCH FIELD B.C. - S.M. (IN HANDHOLE)

PT 155 B.C. IN HAND HOLE

STA	+	K	−	ELEV	T/P
	11 89				
			3 84		13
	1 83				
			6 73		14
	0 72				
			4 93		
	4 75				
			4 49		16
	4 19				
			7 03		17
	4 08				
			5 83		18

PT # 140 - 0 07

PT 157 - 158

LEVEL PENTEX AL - MSL

JAN 30 1990

CLEAR WARM

W B CRUZ

L K GOMEZ

STA	+	$\bar{x}$	−	ELEV	T/P
	3^{69}				
			5^{31}		1
	4^{98}				
			5^{54}		2
	4^{98}				
			5^{98}		3
	4^{10}				
			6^{20}		4
	4^{31}				
			6^{30}		5
	4^{12}				
			6^{06}		6
	3^{92}				
			6^{98}		7
	2^{70}				
			6^{98}		8
	4^{64}				
			4^{70}		9
	4^{62}				
			5^{32}		10
	4^{65}				
			3^{77}		11
	3^{96}				
			5^{14}		12

PT 157 SM ℄ ℄ DYSART & CAMELBACK

PT 158 PK & SHINNER ℄ CAMELBACK

STA	+	T	−	ELE	T/P
	5 92				
			6 12		13
	6 07				
			4 77		14
	6 60				
			2 53		15
	7 20				
			3 92		16
	6 43				
			4 13		17
	6 38				
			4 14		18
	5 96				
			4 23		19
	5 49				
			5 02		20
	5 95				
			5 14		21
	5 74				
			4 05		22

PT 157 6 08

PT 157 ~ 170

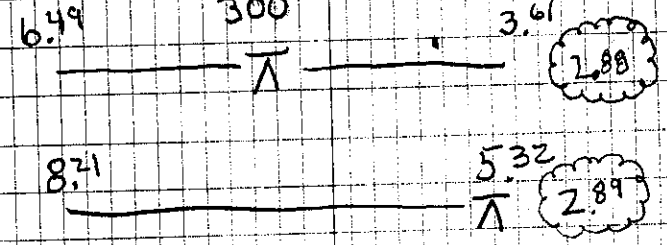
LEVEL PENTEX ALMSC

JAN 31 1990

COOL CLOUDY

W B CRUZ

K GOMEZ



STA	+	π	−	ELE	TP
	1.93				
			4.75		1
	3.52				
			6.23		2
	4.03				
			6.19		3
	4.14				
			6.34		4
	4.10				
			6.55		5
	3.36				
			6.39		6
	4.98				
			7.20		7
	4.42				
			6.46		8
	4.93				
			6.36		9
	5.32				
			5.08		10
	5.15				
			4.79		11
	4.76				
			5.34		12

62

INCONCRETE

PT 157 @ CAMELBACK, OYSART (SM)

(B.C. IN HAND HOLE)

PT # 170 @ OYSART – INDIAN SCHOOL

PANEL ELEV:

STA	+	π	−	ELEV	T/P
	6.41				
			4.50		13
	6.14				
			4.52		14
	6.62				
			4.47		15
	6.39				
			3.40		16
	6.55				
			4.63		17
	7.27				
			4.90		18
	6.55				
			4.08		19
	6.18				
			4.41		20
	5.86				
			2.04		

(SM IN CONC)

PT # 157 ℄℄ DYSART – CAMEL BACK

+0.02

PT 170 - 186
LIEUTL PENTICK ALM-SC
JAN 21 90
COOL CLOUDY
W B CRUZ
T K GOMEZ

STA	+	π	−	ELEV	TP
	1.93				
			5.44		1
	4.15				
			4.99		2
	3.93				
			4.60		3
	3.63				
			4.36		4
	4.16				
			4.25		5
	4.23				
			4.03		6
	4.62				
			5.35		7
	3.65				
			3.93		8
	2.75				
			5.30		9
	3.37				
			5.45		10
	5.72				
			3.60		11
	5.53				
			3.89		12

PT 170 B.E. IN HAND HOLES @ DYSART & INDIAN SCHOOL

(BC Flush w/PVMT)

PT#186 @ DYSART – THOMAS

STA	+	T	−	ELEV	T/P
	5.09				
			3.93		13
	5.30				
			4.53		14
	4.27				
			4.48		15
	4.23				
			4.22		16
	4.70				
			3.96		17
	5.01				
			4.29		18
	4.98				
			4.15		19
	5.43				
			1.92		

PT# 170 ℄℄ DYSART - INDIAN SCHOOL

PT 186 - 200

LEVEL PENTEX ALM-SC

JAN 31 90

Cool cloudy

W B CRUZ

T K GOMEZ

STA	+	↑	−	ELEV	TP
	0.92				
			6.69		1
	3.39				
			6.14		2
	3.65				
			5.93		3
	3.50				
			5.43		4
	4.63				
			5.41		5
	4.39				
			5.47		6
	4.19				
			5.34		7
	4.45				
			5.09		8
	4.38				
			5.03		9
	5.10				
			5.55		10
	5.61				
			5.16		11
	5.17				
			5.09		12

PT 186 BC. FLAT WITH PANEL & DYSART E TRAILS

(BC. IN Hand Hole)
PT# 200 BC DYSART — McDOWELL

PANEL ELEV.

STA	+	π	−	ELEV	T/P
	5.02				
			4.48		13
	5.21				
			4.45		14
	5.50				
			5.03		15
	6.08				
			4.38		16
	5.56				
			4.00		17
	5.22				
			4.35		18
	6.54				
			3.70		19
	6.33				
			3.44		20
	6.72				
			1.37		

PT # 186 ℄ DYSART - THOMAS

PT# 200 - ~~219~~ 201

LEVEL PENTEX ~~ML~~ AL - MSC

JAN 31 1990

COOL CLEAR

W B CRUZ

K GOMEZ

STA	+	π	−	ELEV	TP
	4.17				
			5.92		1
	4.43				
			6.06		2
	4.33				
			4.46		3
	0.22				
			7.34		4
	4.74				
			5.65		5
	5.73				
			4.84		6
	8.13				
			0.97		7
	3.84				
			3.77		8
	6.11				
			4.49		9
	5.43				
			3.59		

PT 200 BC IN HAND HOLE
@ McDONNEL & DYSART

PT #201 (PK Nail & shiner)

PT #200 @ McDowell - DYSART
(BC IN Hand Hole)
-0.04

PT 112 - 111
FEB 1 1990
COOL CLOUDY
W B CRUZ
T R GOMEZ

STA	+	⊼	−	ELEV	TP
				1085.43	
	5.25				
			4.35		1
	5.44				
			4.45		2
	6.26				
			2.70		3
	4.36				
			5.23		4
	4.73				
			5.45		5
	5.04				
			4.81		6
	5.04				
			4.79		7
	5.33				
			5.01		8
	5.47				
			7.23		9
	3.54				
			5.40		10
	4.28				
			5.28		

PT #112 BC 111 HAND HOLD ℄ NORTHERN & LITCHFIELD

PT 111 NAIL IN ℄ Northern

PT #112 ℄℄ Litchfield - Northern
-0.04

PT 87-86
LEVEL AL-MSC
FEB 1 1990
WB CRUZ
TK GOMEZ
COOL CLOUDY WINDY

STA	+	π	−	ELEV	TP
	5.93				
			5.23		①
	6.03				
			3.96		2
	6.30				
			4.14		3
	6.32				
			4.54		4
	6.08				
			4.89		5
	5.25				
			5.57		6
	5.64				
			3.43		7
	3.32				
			5.44		8
	4.40				
			6.23		9
	4.43				
			6.51		10
	4.66				
			6.81		11
	4.56				
			5.29		12

PT 87 BC IN HANDHOLE @ PEORIA & EL MIRAGE

PT# 86 ½" IP @ PEORIA

TBM Cotton SPINDAL IN Power Pole 40 +- S.W. OF PT# 86

STA	+	π	−	ELEV	T/P
	4.50				
			4.91		13
	5.03				
			5.53		14
	5.41				
			5.04		15
	5.11				
			5.48		

PT# 87 PANEL ELEV.

PT# 87 BC IN HAND HOLE

TBM X IN CURB NE COR.

PT# 87 BC IN HAND HOLE
+0.03

* NOTE SET TBM X IN CURB NE CORN., CITY EL MIRAGE IS DIGGING SEWER ON PEORIA & WILL BE LOSING PT# 87

77 ~~78~~

PT 87-88
LEVIEL MISC
FEB 1 1990
B CRUZ
K GOMEZ
COLD WINDY

STA	+	π	−	ELE	TP
	4.03				
			8.98		1
	4.25				
			7.02		2
	4.91				
			7.89		3
	4.81				
			10.19		4
	5.38				
			5.33		5
	6.79				
			5.53		6
	5.50				
			6.80		7
	5.42				
			5.63		8
	9.49				
			4.12		9
	7.85				
			4.75		10
	6.50				
			4.55		11
	8.97				
			3.15		

PT 87 BC IN HAND HOLE

~~SE~~ SE CORN. FENCE GOLF COURSE (PHOTO ID)

PT # 87 BC IN HAND HOLE
-001

#6

WHITE TANKS

LIETZ

SINCE 1882

TRANSIT FIELD BOOK

No. 8152-00

#6

INDEX

Property of WLB GROUP

4444 E BROADWAY

Address TUCSON ARIZONA

85711

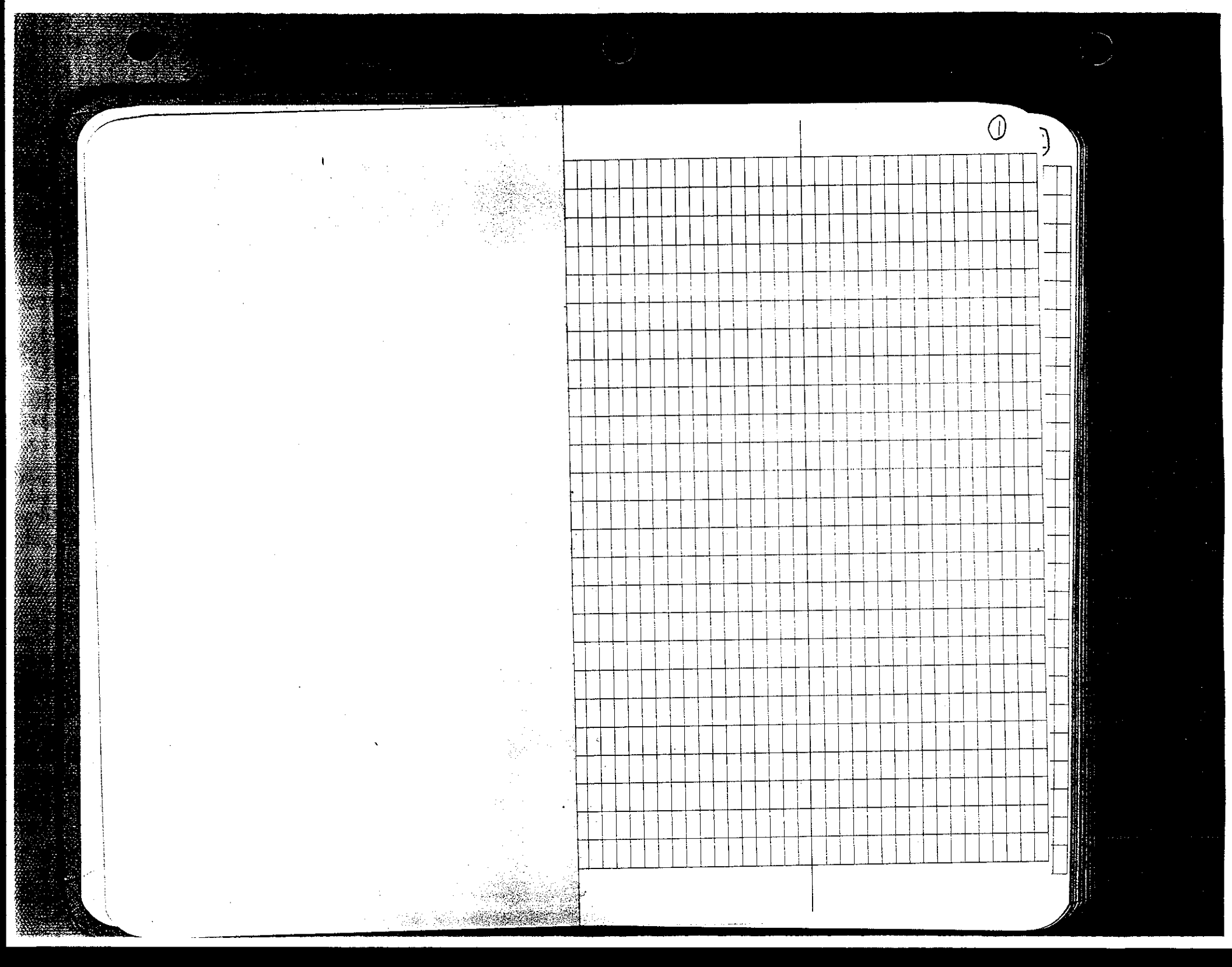
Telephone (COLLECT) 881-7480

ATTN KEVIN POOR

#289036-

PHX #279-1016

This Book is manufactured of a High Grade 50% Rag Ledger Paper having a Water Resistant Surface, and is sewed with Nylon Waterproof Thread.



J POOR ↑
~~B CRUZ~~ ↑

1-11-90 WARM A-SUIT
& 1-15-90

50-49-50 LOOP
~~EAT~~ CITRUS & WADDELL

36R TO 35 CITRUS & ~~GREENWAY~~
GREENAWAY RD

	+		—	
PP50				
	7 27			
TP1			2 53	
	6 64			
TP2			2 57	
	6 75			
TP3			1 85	
	7 66			
TP4			1 45	
	8 55			
TP5			2 21	
	7 09			
TP6			1 99	
	8 35			
TP7			0 73	
	7 45			
TP8			1 07	
	6 36			
NGS			3 47	
	5 95			
TP10			2 95	
	6 80			
PP49			6 67	
	6 61			
PANEL			6 97	

PP50 BC IN HH CITRUS & WADDELL

NATIONAL GEODETIC SURVEY MON # 475 VERT CONTROL 1981
CITRUS & CANEL ROAD IN HEAD WALL

PP49 1" PIPE PE 2315 LEMME

PANEL

	+	−
	4 38	
NGS		7 16
	0 26	
TP14		6 37
	2 33	
TP15		9 43
	1 78	
TP16		8 13
	3 16	
TP17		7 85
	1 12	
TP18		8 47
	2 66	
TP19		8 38
	3 00	
TP20		7 56
	3 62	
TP21		7 66
	4 89	
PP50		22 72
	11268	11269

NGS

PP50 CITRUS & WADDELL

PP 36R					
	4^{76}				
TP1			2^{46}		
	5^{10}				
TP2			2^{33}		
	7^{00}				
TP3			0^{56}		
	7^{95}				
TP4			1^{30}		
	6^{76}				
TP5			1^{81}		
	5^{99}				
TP6			1^{53}		
	7^{53}				
TP7			0^{38}		
	9^{70}				
TP8			5^{80}		
	7^{51}				
PP 35 R			0^{99}		
	0^{98}				
TP 10			6^{97}		
	5^{23}				
TBM			2^{99}		
	0^{13}				
TP12			8^{81}		

PP 36R NAIL & SHINER, TRUS & GREENAWAY

PP 35 R NAIL & SHINER GREENAWAY RD & CANAL

HEAD WALL E. OF PP ISA MARICOPA HWY DEPT BC NO DATE ELEV 1334.03

	+		−		
	0.83				
TP13			7.07		
	2.05				
TP14			6.19		
	1.34				
TP15			6.42		
	0.23				
TP16			7.41		
	0.31				
TP17			7.66		
	4.30				
TP18			6.33		
	4.52				
PP 36R			5.20		
	82.22				
			82.21		

PP 36R NAIL

JPOORT
BCRUZ 1

1-12-90

PP36R TO 26 BACK TO PP36R

PP50 TO 46R TO 36R BACK

PP36R		
	548	
TP1		464
	665	
TP2		304
	607	
TP3		399
	652	
TP4		403
	502	
TP5		462
	537	
TP6		448
	547	
TP7		432
	605	
TP8		332
	600	
TP9		450
	557	
PP26		369
	318	
TP11		534
	369	
TP12		656

NAIL CENTER OF PANAL
CITRUS & GREENAWAY RD

BC FLUSH WITH PANEL
CITRUS & BELL RD

	+	−
	3 98	
TP13		5 53
	4 10	
TP14		5 23
	4 45	
TP15		5 31
	5 05	
TP16		5 93
	3 39	
TP17		6 38
	4 54	
TP18		6 70
	2 96	
TP19		5 03
	4 45	
PP36R		5 40
	97 99	98 04

PP36R NAIL CENTER OF PANEL
CITRUS & GREENWAY RD

	+		−		
PP50					
	4 36				
TP1			5 22		
	546				
TP2			2 91		
	6 57				
TP3			3 56		
	6 01				
TP4			4 64		
	3 65				
PP46R			2 94		
	4 12				
TBM			4 98		
	5 58				
TP7			3 95		
	5 25				
TP8			4 10		
	488				
TP9			4 86		
	5 39				
TP10			4 80		
	5 34				
PP36R			3 58		
	475				
TBM			4 34		
	6136		4988		

PP 50 BC IN HH

NAIL & SHINER ON CITRUS RR

TBM NAIL & SHINER TOP OF DITH E OF P.P.

NAIL SHINER IN PANEL CITRUS & GREENAWAY RD

TBM NAIL & SHINER IN NE CORNE OF IRRIGATION BOX

	+		−	
	2 90			
TP13			4 94	
	4 10			
TP14			5 21	
	4 91			
TP15			5 25	
	4 26			
TP16			5 60	
	4 38			
TP17			5 91	
	5 81			
TP18			6 59	
	4 51			
TP19			6 80	
	3 10			
TP20			3 62	
	2 70			
PP50			4 33	
TOTAL	98 03		98 13	

PP 50 13 c IN HH CITRUS & WADDLE

1

L3

RAINED
COOL

JPOOR TT
A SMITH I

1-15-90

PG-14-15 64R - 50 - 64R

PG 6-7 36R - 35R - 36R

	+		−		
PP64R					
	5 29				
TP1			4 10		
	4 33				
TP2			3 11		
	5 67				
TP3			3 55		
	4 80				
TP4			3 74		
	5 40				
TP5			3 88		
	5 95				
TP6			3 19		
	7 16				
TP7			3 62		
	5 53				
TP8			3 12		
	5 73				
PP~~7~~6			2 73		
	5 76				
PANEL			5 36		
	253				
TP11			543		
	285				
TP12			535		

PP64R #5/8" REBAR CITRUS & CACTUS

BC IN HH CITRUS & WADDELL

PANEL N RIM HH

	+		−		
	3 73				
TP13			5 35		
	156				
TP14			6 ~~26~~ 32		
TP	3 54				
TP15			5 75		
	4 24				
TP16			5 90		
	448				
TP17			6 94		
	4 39				
TP18			5 51		
	5 18				
PP64R			5 21		
	88 12		88 16		

PP64R 5/8" REBAR CITRUS & CATTAS

J POOR
A SMITH

1-16-90

PP Z6 - Z4R - ~~16~~
LOOP CITRUS & BELL

PP Z6 - Z5R

~~PP~~
PP 7R TO PP6R

	+	−
PP Z6		
	4 81	
TP1		4 56
	6 17	
TP2		3 03
	7 27	
TP3		2 92
	6 07	
TP4		4 36
	5 12	
PP Z4R	Z4R	4 45
	5 16	
TBM		2 97
	2 70	
TP7		4 74
	3 22	
TP8		5 60
	1 30	
TP9		6 51
	2 95	
TP10		4 67
	3 79	
PP Z6		4 75
	48 56	48 56

PP Z6 BC FLUSH W/ PAVEMENT
CITRUS & BELL

TBM + ON METAL STRAP ON HEAD WALL NE OF PP

PP Z6 BC FLUSH W/ PAVEMENT

	+		—		
PP26					
	6.07				
TP1			2.98		
	6.34				
TP2			2.89		
	6.85				
TP3			2.56		
	5.85				
TP4			3.70		
	6.11				
TP5			2.62		
	6.70				
TP6			1.73		
	8.07				
TP7			1.18		
	13.02				
TP8			0.17		
	12.82				
TP9			0.34		
	6.18				
PP25R			7.59		
	7.95				
TP11			5.36		
	0.10				
TP12			11.1		

PP26 BC FLUSH W/ PAVEMENT
CITRUS & BELL

PP25R SOUTH SIDE OF BELL RD

	+		−	
	0 15			
TP13			10 80	
	0 16			
TP14			9 33	
	2 81			
TP15			7 41	
	2 96			
TP16			7 20	
	3 74			
TP17			5 99	
	3 78			
TP18			5 89	
	3 06			
TP19			6 84	
	3 16			
TP20			6 64	
	3 44			
			6 94	
PP26	109 32		109 33	

BC CITRUS # BELL

	+		−	
PP7R				
	7 86			
TP1			7 23	
	5 02			
TP2			4 44	
	4 98			
TP3			4 78	
	5 04			
TP4			4 73	
	5 03			
PP6R			5 85	
	5 75			
TBM			4 96	
	4 17			
TP7			4 60	
	4 60			
TP8			4 75	
	5 00			
TP9			4 59	
	6 39			
PP7R			7 92	
	53 84			
			53 85	

PP7R W OF COTTON

PP6R WALLSTNER COTTON RD

TBM

J POOR
A SMITH

WHITE TANKS
PHASE 2
1-23-90

194R - 204 - 213 LOOP

213 - 231 LOOP

231 - 239 ½ MILE LOOP

	+		−	
PP 194R				
	5 75			
TBM			2 89	
	0 35			
TP 2			8 05	
	3 76			
TP 3			6 97	
	5 52			
TP 4			6 30	
	4 88			
TP 5			5 83	
	4 60			
TP 6			6 16	
	4 95			
PP 204			5 90	
	4 79			
PANEL			4 60	
	4 70			
TBM			4 11	
	2 46			
TP 10			4 62	
	3 47			
TP 11			4 73	
	3 93			
TP 12			3 83	

PP 194R NAIL IN ROAD MCDOWELL & SARIUAL

TBM + ON NE HEAD WALL SE OF PP

PP 204 1/2" OP

PANEL

TBM SE OF PP 204 NAIL IN POWER POLE

	359	
TP13		438
	422	
PP213		360
	508	
PANEL		447
	430	
TP16		643
	644	
TP17		563
	528	
TP18		506
	606	
TP19		474
	568	
PP204		379
	580	
TP21		374
	556	
TP22		425
	511	
TP23		371
	462	
TP24		318
	786	
PP194R		177
	11876	11876

PP213 BC IN HT SARIVAL & VAN BUREN

PANEL

PP204 1/2" OP

PP194R NAIL IN ROAD MCDOWELL & SARIVAL

	+		−		
PPZ13					
	3.86				
TP1			7.50		
	3.38				
TP2			5.97		
	4.91				
TP3			6.98		
	4.31				
TP4			6.39		
	3.93				
TP5			6.48		
	4.45				
TP6			6.91		
	4.43				
TP7			6.54		
	4.28				
TP8			6.71		
	4.32				
TP9			6.01		
	4.47				
PPZ31			6.04		
	5.38				
PANEL			4.83		
	5.20				
TP12			4.25		

PPZ13 BC IN H.H. SARIVAL & VAN BUREN

PPZ31 BC IN HH SARIVAL & YUMA

PANEL

	+		−		
	5 71				
TP 13			3 73		
	6 45				
TP 14			3 71		
	5 87				
TP 15			4 79		
	6 63				
TP 16			3 38		
	5 68				
TP 17			3 74		
	5 99				
TP 18			4 72		
	7 27				
TP 19			4 34		
	5 73				
TP 20			3 57		
	6 70				
PP 213			2 96		
	108 95				
			108 95		

PP 213

	+		−		
PP231					
	470				
TP1			567		
	389				
TP2			594		
	275				
TP3			651		
	280				
TP4			491		
	226				
TP5			550		
	398				
PP239			533		
	550				
PANEL			492		
	573				
TP8			455		
	744				
TP9			463		
	732				
TP10			360		
	733				
TP11			442		
	678				
PP231			450		
	6048		6048		

PP231 BK & HH SARIVAL & YUMA

PP239 BC IN HH SARIVAL

PANEL

RETURN

PP231 BC IN HH SARIVAL & YUMA

J. POOR
A SMITH

1-24-90

WHITE TANKS

239-249 & Loop

249-267 Loop

213-212

	+		−		
PP239					
	392				
TP1			557		
	476				
TP2			590		
	422				
TP3			618		
	328				
TP4			511		
	311				
PP249			666		
	617				
PANEL			561		
	642				
TP7			344		
	604				
TP8			376		
	642				
TP9			398		
	541				
TP10			465		
	573				
PP239			461		
	5548		5547		

PP239 BC IN HH ARRIVAL

PP249

PANEL

PP239 BC IN HH

	+		−		
PP 249					
	2 66				
TP1			5 67		
	3 42				
TP2			5 82		
	3 26				
TP3			5 47		
	3 91				
TP4			5 90		
	3 39				
TP5			7 45		
	1 78				
TP6			8 63		
	0 16				
TP7			9 07		
	1 26				
TP8			7 76		
	4 11				
TP9			6 28		
	4 75				
PP 267R			7 57		
	7 63				
TBM			4 18		
	4 47				
TP12			4 08		

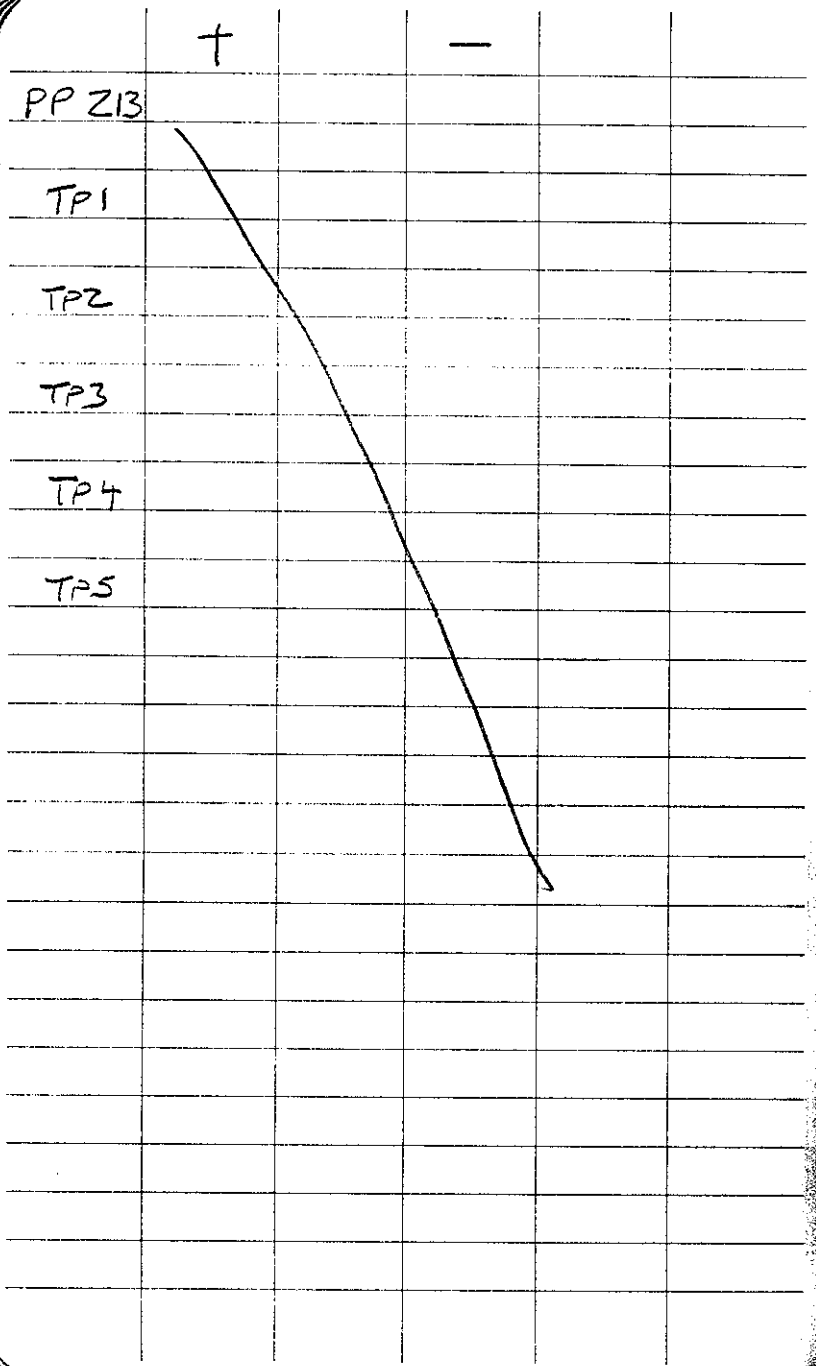
PP 249 3C IN HH SARIVAC & LOWER BUCKEYE

PP 267R NAIL & SHINER SARIVAC & BROADWAY

TBM NE of PP + ON POWER POLE STAND

	+		−		
	$6^{\underline{06}}$				
TP13			$2^{\underline{53}}$		
	$8^{\underline{77}}$				
TP14			$0^{\underline{88}}$		
	$9^{\underline{70}}$				
TP15			$0^{\underline{47}}$		
	$9^{\underline{18}}$				
TP16			$3^{\underline{12}}$		
	$5^{\underline{94}}$				
TP17			$4^{\underline{13}}$		
	$6^{\underline{07}}$				
TP18			$4^{\underline{18}}$		
	$6^{\underline{19}}$				
TP19			$4^{\underline{10}}$		
	$6^{\underline{51}}$				
TP20			$3^{\underline{47}}$		
	$6^{\underline{01}}$				
PP249			$4^{\underline{46}}$		
	$105^{\underline{23}}$		$105^{\underline{22}}$		

BC IN HH SARIVAL & LOWER BUCKEYE



PP Z13 BC IN HH SARIVAL & VANBUREN

J POOR
A SMITH

1-31-90

PP 213 - 217

~~PP 212 - 214~~

	+		−		
PP213					
	2^{45}				
TP1			6^{76}		
	3^{15}				
TP2			6^{54}		
	4^{76}				
TP3			5^{31}		
	5^{23}				
TP4			4^{99}		
	6^{27}				
TP5			4^{74}		
	5^{86}				
TP6			5^{36}		
	5^{02}				
TP7			5^{17}		
	5^{97}				
TP8			4^{04}		
	5^{63}				
TP9			5^{43}		
	5^{06}				
TP10			5^{49}		
	4^{77}				
PP212			5^{35}		
	5^{45}				
PANEL			4^{94}		
	59^{62}		64^{12}		

BC IN HH VANBUREN & SARIVAL

PP 212 BC IN HH VANBUREN & COTTON

PANEL

	489				
TP13			443		
	465				
TP14			441		
	546				
TP15			637		
	283				
TP16			443		
	424				
TP17			476		
	372				
TP18			616		
	471				
TP19			502		
	696				
TP20			458		
	720				
TP21			424		
	765				
PP213			346		
	11193				
			11198		

PP213 BC, IN HIT

	+		−		
PPZ12					
	4 86				
TP1			3 99		
	5 06				
TP2			2 90		
	5 11				
TP3			3 23		
	4 20				
TP4			4 35		
	4 84				
TP5			4 22		
	5 85				
TP6			3 83		
	6 64				
TP7			4 00		
	6 72				
TP8			4 66		
	4 95				
TP9			6 1		
	4 21				
PPZ11			5 22		
	5 19				
PANEL			4 82		
	4 77				
TP12			4 04		

PPZ12 13C/DY HH VAN BUREN & COTTON

BC IN HH VAN BUREN & CITRUS

	6.06				
TP13			4.82		
	4.08				
TP14			6.45		
	3.06				
TP15			5.74		
	4.04				
TP16			6.12		
	4.21				
TP17			5.04		
	4.60				
TP18			5.31		
	3.62				
TP19			6.43		
	4.01				
PP212			4.88		
	96.08				
			9606		

PP 212 BC IN HH

J POOR
A SMITH

2-1-90

PP-211-210

PP 212-211 SEE PG 35. 36

	+		−		
PP 211					
	4 95				
TP1			4 58		
	5 90				
TP2			3 78		
	5 21				
TP3			3 85		
	6 53				
TP4			1 99		
	7 10				
TP5			5 26		
	2 68				
TP6			6 69		
	5 21				
TP7			4 14		
	5 40				
TP8			3 86		
	5 66				
TP9			3 45		
	5 91				
PP 210			3 95		
	4 03				
PANEL			3 48		
	3 42				
TP12			5 94		

BC IN HH VAN BUREN & CITRUS

PP 210 BC IN HH VAN BUREN & PERRYVILLE

PANEL

	t		−
	3.98		
TP13			6.20
	4.11		
TP14			5.66
	4.37		
TP15			5.48
	8.32		
TP16			2.94
	1.52		
TP17			6.73
	2.25		
TP18			5.76
	3.84		
TP19			5.25
	3.22		
TP20			5.04
	4.37		
PP211			4.35
	9.798		
			9.798

PP211 BC, N HI+

J. Poor
A. Smith

2-5-90

210-203-191

210-209

209-208R

	+	−
PP 210		
	7 02	
TP1		4 43
	7 00	
TP2		4 17
	7 17	
TP3		4 32
	6 55	
TP4		3 73
	7 77	
PIP # 203		2 48
	6 40	
PANEL		5 91
	7 43	
TP7		3 76
	8 01	
TP8		3 41
	7 40	
TP9		2 52
	7 10	
TP10		2 97
	7 95	
P.P. 191		3 23
	1051	

BC IN HH VAN BUREN & PERRYVILLE

PP 203 BC IN HH PERRYVILLE & ROOSEVELT

PANEL

PP 191 BC IN HH PERRYVILLE & MCDOWELL

	+		−		
PP 210					
	6 25				
TP1			3 62		
	5 38				
TP2			3 31		
	5 78				
TP3			3 75		
	5 34				
TP4			4 03		
	5 56				
TP5			3 64		
	5 71				
TP6			4 07		
	5 74				
TP7			4 21		
	5 26				
TP8			3 85		
	5 13				
TP9			4 06		
	6 13				
PP 209	5629		3 34		
	4 36		3150		
PANEL			3 89		
	3 19				
TP12			6 45		

PP 209 1/2 OPEN HH UNDERGROUND & JACKRABBIT

PANEL

	+		−	
	4.42			
TP13			5.49	
	4.35			
TP14			5.76	
	4.13			
TP15			5.67	
	4.10			
TP16			5.74	
	4.09			
TP17			6.03	
	4.37			
TP 18			5.69	
	4.42			
TP19			6.47	
	4.24			
TP20			6.33	
	4.07			
PP 210			6.71	
	102.02			
			102.11	

BC IN HH

	+		−		
PP 209					
	5 17				
TP1			3 46		
	5 98				
TP2			3 74		
	4 66				
TP3			4 41		
	3 61				
TP4			3 51		
	4 47				
TP5			2 57		
	4 40				
TP6			3 88		
	4 05				
TP7			4 22		
	4 73				
TP8			3 39		
	4 26				
TP9			3 32		
	5 54				
TP10			3 60		
	5 41				
PP 208R			2 45	1044 60	
	4 48				
TBM			4 51		

1/2" ØP IN HH VAN BOREN & SACRAMENTO

PP 208R 5/8" RE BAR CENTER OF PANEL

TBM S.E OF PP PICKET SPIKE IN POWER POLE

	+		-		
	2 74				
TP13			5 69		
	3 81				
TP14			5 75		
	3 72				
TP15			4 66		
	3 70				
TP16			5 04		
	4 51				
TP17			4 34		
	4 11				
TP18			4 63		
	2 80				
TP19			4 70		
	3 88				
TP20			3 98		
	4 64				
TP21			4 89		
	3 89				
TP22			6 13		
	3 64				
PP209			5 34		
	98 20				
			98 21		

PP209 12" OP IN HH

J POOR
A SMITH

2-7-90

PP 208 - 207

	+		−		
PP 2081R					
	10^{63}				
TP1			4^{15}		
	6^{67}				
TP2			3^{39}		
	6^{49}				
TP3			4^{52}		
	4^{86}				
TBM			3^{00}	1058 19	
	4^{16}				
PP 207			6^{57}	1055 78	
	5^{56}				
TP6			5^{00}		
	4^{54}				
TP7			6^{51}		
	3^{44}				
TP8			6^{71}		
	4^{03}				
			10^{51}		
	50^{38}				
			50^{36}		

PP 2081R 5/8" REBAR VAN BUREN & TUTHILL

TBM US ARMY CAP IN CONCRETE ON DIKE SOUTH OF PP

PP 207 HOED ROCK

J POOR
A SMITH

2-9-90

231- 230-223-212

211- 229-230

	+		−		
PP231					
	7^{06}				
TP1			4^{48}		
	5^{63}				
TP2			5^{33}		
	4^{77}				
TP3			5^{69}		
	3^{01}				
TP4			9^{50}		
	3^{14}				
TP5			6^{41}		
	4^{72}				
TP6			5^{53}		
	5^{72}				
TP7			3^{54}		
	5^{86}				
TP8			5^{09}		
	3^{59}				
TP9			5^{79}		
	5^{65}				
TP10			5^{15}		
	5^{07}				
PP230			4^{86}		
	5^{14}				
TBM			4^{10}		
	59^{36}		5^{47}		

BC IN HH SARIVAL & YUMA

PP230 1/2 STEEL SHAFT YUMA & COTTON

RR SPIKE IN POWER POLE S.E OF P.P.

	+		−	
[illegible]	5^{25}			
TP13			3^{10}	
	6^{52}			
TP14			3^{78}	
	5^{85}			
TP15			3^{64}	
	6^{04}			
TP16			4^{23}	
	6^{54}			
TP17			3^{52}	
	4^{92}			
PP223			4^{18}	
	4^{31}			
PANEL			3^{49}	
	5^{35}			
TP20			3^{54}	
	4^{93}			
TP21			3^{57}	
	5^{40}			
TP22			3^{22}	
	5^{00}			
TP21			3^{81}	
	5^{41}			
TP22			3^{21}	
	5^{24}			
PP212	70^{70}		3^{20} 40^{49}	

BC IN HH COTTON

PANEL

PP2[illegible]3 BC IN HH | COTTON & VA BUREN

	+	—
PP211		
	2.05	
TP1		5.17
	4.08	
TP2		6.04
	4.10	
TP3		5.90
	3.89	
TP4		5.91
	3.92	
TP5		5.64
	4.04	
TP6		5.75
	3.49	
TP7		5.45
	3.78	
TP8		6.72
	3.62	
TP9		6.95
	3.37	
TP10		6.77
	4.38	
PP229		6.04
	4.89	
PANEL		4.44
	45.61	70.78

BC, N HH CITRUS & UNKNOWN

BC, N HH CITRUS & YUMA

	4^{98}				
TP13			4^{71}		
	5^{22}				
[illegible]			4^{33}		
	4^{81}				
[illegible]			4^{77}		
	5^{82}				
[illegible]			4^{17}		
	5^{59}				
TP17			6^{15}		
	2^{27}				
TP18			6^{24}		
	3^{70}				
TP19			5^{87}		
	3^{91}				
TP20			5^{20}		
	4^{71}				
TP21			5^{86}		
	3^{49}				
TP22			6^{64}		
	4^{30}				
PP 230			5^{08}		
	48^{80}				
			~~54^{25}~~		
			59^{02}		

PP 230 1/2" STEEL SHAFT YOKA & COTTON

0^{02} LOW

J-POUR
A SMITH

2-12-90

210-222-228-229

	+		−		
PP210					
	4^{09}				
TP1			6^{10}		
	4^{02}				
TP2			6^{04}		
	4^{19}				
TP3			6^{24}		
	1^{49}				
TP4			7^{60}		
	2^{20}				
PP222			7^{96}		
	5^{30}				
TBM			5^{65}		
	3^{09}				
TP7			6^{33}		
	3^{28}				
TP8			5^{98}		
	3^{66}				
TP9			6^{30}		
	3^{15}				
TP10			5^{90}		
	3^{19}				
TP11			5^{76}		
	3^{85}				
PP228			6^{18}		
	41^{51}		76^{04}		

PP 222 3/4" OP 1/4

TBM X IN HEADWALL W OF PP

BC IN HH PERRIVILLE & YUMA

	+		−		
	6^{26}				
PANEL			5^{74}		
	4^{60}				
TP14			5^{65}		
	4^{14}				
TP15			5^{12}		
	4^{01}				
TP16			5^{35}		
	4^{31}				
TP17			4^{57}		
	4^{44}				
TP18			6^{34}		
	3^{24}				
TP19			5^{60}		
	3^{89}				
TP20			4^{79}		
	4^{33}				
TP21			3^{97}		
	7^{53}				
TP22			1^{64}		
	4^{86}				
PP 229			6^{96}		
	51^{61}				
			55^{73}		

BC IN HH YUMA & PERRYVILLE

0^{03} LOW ?

POOR
ASMITT

2-13-90

209-227-228

208-221-226-227

226-225

225-224

WINDY & OVERCAST

PP209			
	3 76		
TP1		6 55	
	2 80		
TP2		7 60	
	3 11		
TP3		8 01	
	3 27		
TP4		7 87	
—	3 00		
TP5		8 14	
	3 50		
TP6		6 47	
	4 45		
TP7		6 30	
	2 08		
TP8		8 42	
	2 82		
TP9		6 88	
	3 38		
PP227		7 84	988 96
	4 74		
PANEL		4 20	
	4 14		
TP12		4 46	
	40 73	82 74	

1/2" OP IN HH JACKRABBIT & VAN BOREN

3/4" SHAFT IN CONCRETE IN HH YUMA & JACK RABBIT

	3 44		
TP13		3 97	
	3 67		
TP14		6 06	
	3 20		
TP15		5 07	
	3 87		
TP16		4 64	
	2 88		
TP17		3 82	
	4 47		
TP18		4 90	
	3 30		
TP19		5 64	
	3 13		
TP20		4 41	
	3 73		
PP 228		4 49	
	3 69		
		4 300	

BC IN HH

PERRYVILLE & YUMA

PP208		
	2 77	
TP1		6 26
	2 26	
TP2		5 80
	2 92	
TP3		6 67
	2 60	
TP4		6 31
	2 10	
TBM		5 95
	2 98	
PP222R		3 00
	2 94	
TP7		6 75
	2 92	
TP8		7 23
	2 66	
TP9		6 73
	3 42	
TP10		5 78
	3 85	
TP11		6 71
	3 01	
PP226		5 70
	34 43	72 89

X IN CONCRETE HEADWALL EOIPP

PP222R NAIL IN PANEL

3/8 REBAR YUMA & TUTHILL

	5^{39}				
PANEL			5^{02}		
	5^{11}				
TBM			4^{80}		
	3^{50}				
TP15			4^{85}		
	3^{36}				
TP16			4^{57}		
	3^{69}				
TP17			4^{48}		
	4^{26}				
TP18			6^{57}		
	3^{34}				
TP19			6^{30}		
	5^{57}				
TP20			6^{40}		
	4^{57}				
TP21			6^{13}		
	4^{66}				
TP22			5^{89}		
	4^{68}				
TP23			5^{87}		
	4^{63}				
TP24			6^{05}		
	4^{59}				
PP227	5^{735}		7^{66}		
			74^{59}		

RAIL ROAD SPIKE IN TELLPHONE WARNING POLE

3/4" SHAFT IN HH YUMA & JACK RADIAL

0^{06} LOW

	+		−	
PP226				
	5 67			
TP1			5 58	
	5 59			
TP2			5 56	
	8 04			
TP3			3 74	
	7 34			
TP4			5 08	
	6 75			
PP225			5 90	
	5 30			
PANEL			4 92	
	4 89			
TBM			2 85	
	3 91			
TP8			6 37	
	4 38			
TP9			6 63	
	2 84			
TP10			7 15	
	4 51			
TP11			4 55	
	4 53			
PP226	—		—	
	6		5	

3/8 REBAR JUTHILL & YUMA

PK NAIL IN AC YUMA AIRPORT
IN 1 3/4 OP

RAIL ROAD SPIKE IN TELEPHONE WARNING
POLE S E OF PP

	+		−		
PP225					
	7 88				
TP1			3 37		
	7 47				
TP2			6 37		
	6 96				
TP3			5 78		
	7 13				
TP4			5 47		
	7 72				
TP5			4 78		
	8 26				
TP6			4 23		
	6 88				
TP7			3 56		
	7 72				
TP8			5 34		
	7 73				
TP9			3 26		
	5 53				
PP224R	~~7 28~~		5 83	~~4 99~~	
	3 64				
TBM	~~7 69~~		4 95	~~5 29~~	
	6 32				
TP12			4 71		
	8 24		5 76		

PK IN 1 3/4 OP AIRPORT & YUMA

SCREW IN AC YUMA & DEAN

TBM SE CORNER IN AT&T POLE

1037.72
10/25/90
RES

	2 17	
TP13		6 64
	4 36	
TP14		6 74
	2 34	
TP15		5 64
	3 16	
TP16		7 19
	2 95	
TP17		5 89
	3 91	
TP18		5 57
	4 53	
TP19		5 69
	5 44	
TP20		6 54
	2 86	
PP 225		7 37
	31 12	
		57 7
	114 96	114 92

PK IN 1 3/4" PIPE | YUMA & AIRPORT

OUT FLOW

S. Poor
A. Smith

2 - 15-90

249 - 248-230

229 - 238-247 - 248

	+		−				
PP249						BC IN HH	SARIVAL & LOWER BUCKEYE
	3^{38}						
TP1			6^{26}				
	5^{10}						
TP2			5^{33}				
	6^{14}						
TP3			1^{96}				
	6^{88}						
TP4			4^{81}				
	2^{29}						
TP5			6^{53}				
	3^{58}						
TP6			6^{03}				
	3^{82}						
TP7			5^{97}				
	3^{61}						
TP8			5^{99}				
	3^{94}						
TP9			4^{96}				
	4^{47}						
TP10			5^{00}				
	4^{41}						
PP 248	47^{62}		5^{87}	58^{71}		BC IN HH	LOWER BUCKEYE & COTTON
	5^{39}						
PANEL			4^{67}				
	53^{01}		63^{38}				

	+		−		
	5^{35}				
TP13			4^{38}		
	6^{25}				
TP14			3^{26}		
	7^{09}				
TP15			2^{51}		
	5^{49}				
TP16			4^{16}		
	6^{06}				
TP17			3^{48}		
	6^{59}				
TP18			3^{27}		
	6^{47}				
TP19			1^{78}		
	6^{21}				
TP20			2^{89}		
	4^{59}				
TP21			4^{25}		
	5^{50}				
PP230			2^{85}		
	59^{60}				
			32^{83}		

1/2" STEEL SHAFT YUM & COTTON

0^{06} LOW

	+		−		
PP 229					
	2 77				
TP1			7 32		
	3 34				
TP2			6 35		
	3 43				
TP3			7 37		
	3 82				
TP4			7 13		
	4 15				
TP5			7 12		
	4 44				
PP 238	21 95		6 66	41 95	
	5 17				
PANEL	27 12		4 75	46 70	
	4 80				
TBM	31 92		2 63	49 22	
	1 23				
TP9			7 17		
	3 83				
TP10			7 12		
	3 55				
TP11			7 44		
	3 69				
TP12			6 91		
	44 22		77 93		

BC IN HH YUMA & CITRUS

3/8" REBAR 1/4 OIL CITRUS

	+		—		
	3^{70}				
PP 247	^{92}		6^{51}	84	
	6^{62}				
PANEL	54^{54}		6^{04}		
	5^{94}				
TBM	60^{48}		4^{39}	94^{91}	
	5^{50}				
TP16			3^{50}		
	7^{06}				
TP17			3^{55}		
	7^{56}				
TP18			4^{19}		
	7^{64}				
TP19			5^{08}		
	4^{95}				
TP20			7^{75}		
	4^{22}				
TP21			7^{22}		
	5^{28}				
TP22			6^{93}		
	5^{83}				
TP23			6^{76}		
	3^{91}				
TP24			7^{71}		
	4^{51}				
PP 248	116^{94}		6^{62}		
			154^{22}		

BCIN HA CITRUS & LOWER BUCKEYE

0^{06} LOW

JD 0012
A SMITH

2-16-90

227-237-245-246-247

	+		−	
PP227				
	2 48			
TP1			7 12	
	2 77			
TP2			7 36	
	3 18			
TP3			6 85	
	3 97			
TP4			6 49	
	4 52	16 92		
PP237			5 19	− 33 01
	5 17	22 09		
TBM			5 06	− 38 89
	2 53			
TP7			6 60	
	3 48			
TP8			6 51	
	3 28			
TP9			6 25	
	3 00			
TP10			6 63	
	5 22	42 95		
PANEL			4 52	

3/4" SHAFT IN HH JACKRABBIT EYUMA

PICKER SPINDLE IN AC 1/4 JACKRABBIT

X IN HEADWALL E OF PP

	+		−	
	3 83			
TP13			7 34	
	3 97			
TP14			6 99	
	5 08			
TP15			6 01	
	5 63			
TP16			6 06	
	5 35			
TP17			5 34	
	4 21			
TP18			6 03	
	4 56			
TP19			6 44	
	5 71			
TP20			6 14	
	5 16			
TP21			5 98	
	4 73	91 18		
PP246			6 17	138 66
	6 02			
TP23			5 54	
	5 39	103 9		
TP24			6 24	150 4

PK IN CONCRETE PIERPONT VILLAGE & BUCKEYE

	+		—		
	5^{72}				
TP25			5^{69}		
	6^{29}				
TP26			5^{51}		
	5^{24}				
TP27			5^{89}		
	5^{54}				
TP28			4^{88}		
	6^{82}				
TP29			5^{17}		
	2^{45}				
TP30			5^{93}		
	2^{65}				
TP31			4^{80}		
	3^{17}	141^{07}			
PP ~~248~~ 247			4^{58}	192^{89}	

NAKIN°AC [illegible] COUPE BUCKEYE & CITRUS

O'ELOW?

#7

WHITE TANKS

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SINCE 1882

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INDEX

WHITE TANKS –

1. BENCH LOOPS BETWEEN PANELS
B. CRUZ & J POOR OR J.P. & A. SMITH
pp. 1-44

TOPO CHECKS –

2. 7-3-90 pp 45-56
B. CRUZ & J. POOR

3. 8-2-90 pp 57-62
B. CRUZ & J. POOR

4. 10-4-90 pp. 64-69
A. VALENTINE & J. POOR

5. 10-9-90 pp. 70-77
T - AV. + - J.P

6. 10-10-90 pp. 78-80
T - AV. + - JP.

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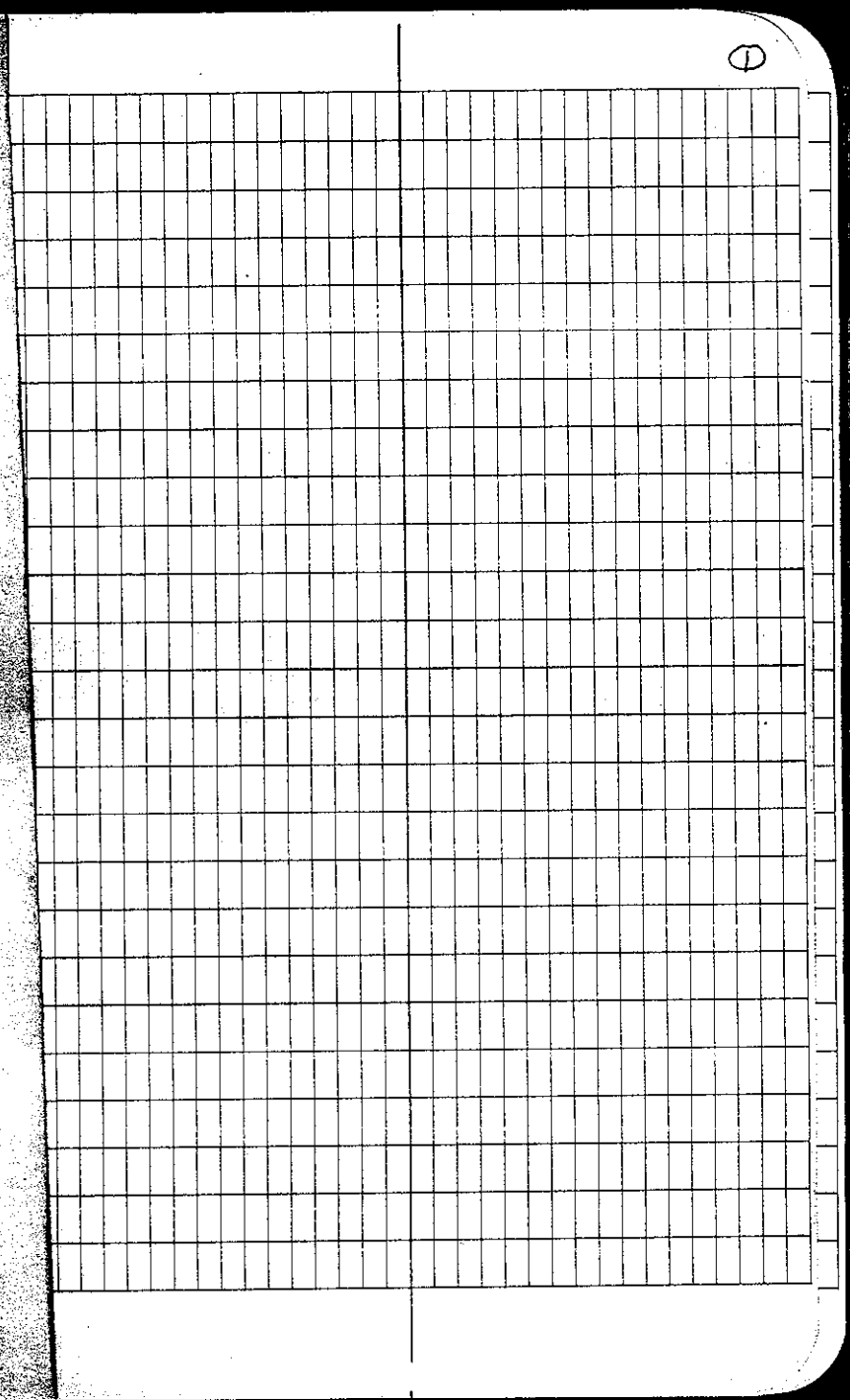


(2)

J POOR
A SMITH

2-26-90

70° OVERCAST

161-160-147-144-131

	+		−		
PP161					1110.67
	5^{31}				
TP1			2^{96}		
	6^{75}				
TP2			3^{03}		
	6^{54}				
TP3			2^{82}		
	7^{16}				
TP4			2^{51}		
	7^{47}				
TP5			0^{84}		
	7^{62}				
TP6			2^{33}		
	6^{57}				
TP7			2^{49}		
	6^{27}				
TP8			2^{24}		
	6^{69}				
TP9			2^{44}		
	8^{56}				
TP10			1^{37}		
	6^{62}	75^{56}			
PP160			2^{99}	26^{02}	
	3^{02}	78^{58}			
PANEL			2^{55}	28^{57}	

COTTON SPINDLE ℄ OF INDIAN SCHOOL ℄
PERRY VILLE

BC IN HH 195TH AVE ℄ INDIAN SCHOOL

	+		−		
~~TP13~~	4 58				
TP13			4 43		
~~TP14~~	4 83				
TP14			4 39		
	4 84				
TP15			3 75		
	6 58				
TP16			3 18		
	5 84				
TP17			2 81		
	5 76				
TP18			3 11		
	5 64				
TP19			2 63		
	6 27				
TP20			1 94		
	5 56				
TP21			2 51		
	6 42	1349			
PP147			3 49	6081	
	5 45				
TP23			4 77		
	5 34				
TP24			3 26		
	4 38				

PK & SKIVER

155TH AVE

	+		−	
TP25			2 35	
	2 40			
TP26			4 53	
	4 71	15 18		
PP144			5 81	8 153
	6 69			
TP28			7 95	
	5 23			
TP29			5 08	
	8 87			
TP30			4 20	
	4 06			
TP31			3 22	
	5 90	18 73		
PP131			5 18	10 146

PP144 NAIL & SHINER IN PAPER PANEL

NAIL & SHINER IN PAPER PANEL

JFOOR
A SMITH

2-28-90

224-242-256-260-261-243-225

248-259-267-RETURN

	+		−		
PP224					
	5^{79}				
TP1			5^{99}		
	2^{90}				
TP2			7^{58}		
	2^{68}				
TP3			7^{43}		
	1^{73}				
TP4			7^{05}		
	2^{19}				
TP5			6^{64}		
	3^{05}				
TP6			7^{82}		
	2^{34}				
TP7			8^{11}		
	2^{82}				
TP8			7^{98}		
	4^{34}	27^{84}			
TP9			3^{37}	61^{97}	
	0^{26}				
TP10			9^{24}		
	2^{26}	30^{36}			
PP 242			7^{88}	79^{09}	
	7^{72}	38^{03}			
PANEL			7^{12}	86^{21}	

PP224R SCREW IN AC YUMA & DEAN

BC IN S.E. COR HEAD WALL ROOSEVELT CANEL

BC IN HH DEAN & LOWER BUCKEYE

	+		−		
	2 43				
TP13			6 39		
	2 55				
TP14			7 03		
	2 22				
TP15			7 08		
	2 01				
TP16			7 51		
	2 11				
TP17			6 56		
	3 15	53 15			
PP256			6 57	127 35	
	6 60	59 75			
PANEL			6 11	133 46	
	1 94				
TP20			6 51		
	2 17				
TP21			6 77		
	2 24				
TP22			7 46		
	2 62				
TP23			6 97		
	2 27	70 99			
PP260			7 91	169 08	
	6 09	77 08			
PANEL	(77 08)		5 45	174 53	

BC IN HH 1/4 OF DEAN

PANEL

STEM IN HH — BROADWAY & DEAN

PANEL

	+		—		
	4 42				
TP26			4 84		
	3 77				
TP27			5 57		
	3 70				
TP28			4 89		
	3 86				
TP29			4 84		
	4 05				
TP30			5 10		
	3 69				
TP31			4 90		
	4 33				
TP32			4 95		
	4 25				
TP33			4 71		
	4 28				
TP34			4 54		
	4 39				
TP35			5 53		
	3 42	121 24			
~~PP 26~~ TP36			5 25	229 65	
	5 10	126 24			
PANEL			4 57	234 22	
	6 22				
TP38			4 02	~~238~~	

—	+	9

1/2 REBAR IN HH BROADWAY & AIRPORT

PANEL ALSO TBM WEST SIDE HH

	+		−		
	6 99				
TP39			4 26		
	7 70				
TP40			3 88		
	8 66				
TP41			3 91		
	8 17				
TP42			2 85		
	7 87				
TP43			3 65		
	7 63				
Tp44			3 51		
	8 53				
TP45			3 75		
	8 58				
TP46			4 07		
	7 14				
TP47			4 52		
	7 42	211 25			
PP 243			3 48	276 12	
	691	218 16			
PANEL			6 36	282 49	
	7 45				
TP50			3 86		
	6 72				
TP51			4 05		

	−	
		10
BCAN HH	AIRPORT & LOWER ROCKENE	
PANEL		

	+		−		
	7^{14}				
TP52			3^{72}		
	7^{63}				
TP53			3^{04}		
	7^{54}				
TP54			4^{25}		
	7^{58}				
TP55			2^{13}		
	9^{61}	271^{83}			
TBM			2^{51}	306^{04}	
	3^{93}				
TP57			6^{29}		
	5^{21}				
TP58			2^{12}		
	5^{36}				
TP59			2^{79}		
	6^{84}				
TP60			2^{71}		
	6^{19}	299^{36}			
PP225			4^{71}	324^{66}	

MARICOPA BC 1004 ^{78} FEB 1966 S.W. COR
BRIDGE OF ROOSEVELT CANEL ON AIRPORT

PP225 PK UNDER AC IN 3/4 OP YUMA
AIRPORT

	+		−		
PP249					
	350				
TP1			601		
	380				
TP2			613		
	415				
TP3			609		
TP4					

BC 1H 1+H COTTON FLOWER BUCKEYE

J POOR
ASMITH

3-1-90

246-258-264-265-266-259
248

264-263-262-261

3-2-90 262-257-262

	+		−		
PPZ46					
	3 41				
TP1			6 37		
	4 03				
TP2			6 29		
	3 89				
TP3			6 31		
	3 28				
TP4			7 32		
	3 39				
TP5			7 21		
	4 43				
PPZ58			6 00		
	4 02				
TP7			6 44		
	4 07				
TP8			5 99		
	4 22				
TP9			7 58		
	2 93				
TP10			7 29		
	3 76				
TP11			6 07		
	4 74				
PPZ64			5 76		

PK IN CONCRETE LOWER BUCKEYE PERRYVILLE

X IN CONCRETE ℄ OF PERRYVILLE

X IN CONCRETE BROADWAY & PERRYVILLE

	+		−	
	4.70			
PANEL			4.39	
	5.08			
TP14			5.09	
	4.54			
TP15			3.74	
	4.63			
TP16			3.84	
	4.99			
TP17			4.48	
	4.83			
TP18			4.71	
	5.55			
TP19			7.82	
	3.28			
TP20			5.52	
	4.04			
TP21			6.10	
	4.49			
TP22			5.98	
	4.76			
TP23			5.50	
	4.31			
PPZ65			5.00	

PANEL

1/2" OP UNDER AC BROAD WAVE CITRUS

	+		−		
	5 09				
PANEL			4 67		
	4 61				
TBM			4 41		
	3 63				
TP27			4 69		
	5 21				
TP28			4 70		
	5 33				
TP29			4 61		
	5 03				
TP30			4 35		
	5 88				
TP31			4 42		
	5 55				
TP32			2 79		
	6 33				
TP33			4 70		
	4 72				
TP34			3 42		
	0 92				
TP35			4 44		
	5 79				
TP36			3 99		
~~TP36~~					

WINDY

XIN HEADWALL NE OF PP

	+		−		
	5^{94}				
TP37			1^{63}		
	4^{75}				
PP266			5^{36}		
	5^{18}				
PANEL			4^{92}		
	4^{82}				
TBM			4^{09}		
	4^{15}				
TP41			3^{89}		
	5^{84}				
TP42			3^{66}		
	5^{71}				
TP43			3^{43}		
	6^{05}				
TP44			3^{52}		
	5^{94}				
TP45			3^{88}		
	5^{71}				
PP46259			4^{50}		
	6^{42}				
TP47			4^{43}		
	6^{11}				
TP48			4^{22}		

1/2" OP IN HOLD BROADWAY & COTTON

TBM NAIL IN POWER POLE NE OF PP

BC IN HH 1/4 ON COTTON
NOTE DID NOT PAINT THIS PT

	+		−		
	$6^{\underline{19}}$				
TP49			$4^{\underline{14}}$		
	$5^{\underline{83}}$				
TP50			$4^{\underline{11}}$		
	$5^{\underline{92}}$				
TP51			$4^{\underline{07}}$		
	$6^{\underline{18}}$				
PP248			$3^{\underline{62}}$		

BC, IN HH GOTTON & COVER BUCKEYE

	+		−		
PP264					
	4 34				
TP1			5 19		
	5 76				
TP2			5 12		
	4 87				
TP3			5 35		
	5 43				
TP4			5 09		
	5 79				
TP5			3 93		
	6 01				
TP6			4 18		
	5 88				
TP7			3 18		
	5 18				
TP8			4 45		
	5 67				
TP9			5 39		
	5 14				
TP10			5 24		
	4 55				
PP263			4 10		
	5 74				
PANEL			5 23		

X IN CONCRETE BROADWAY & FERRY ISLE

STEM IN HH BROADWAY & JACK RABBIT

PANEL

	+		−		
	5 86				
TP13			3 34		
	6 65				
TP14			4 63		
	5 90				
TP15			6 94		
	4 64				
TP16			5 80		
	5 86				
TP17			4 34		
	6 59				
TP18			3 88		
	6 09				
TP19			5 04		
	5 62				
TP20			5 12		
	4 35				
TP21			3 90		
	5 67				
TP22			5 48		
~~PT~~	4 93				
PP 262			5 42		
	5 43				
PANEL			4 91		

STEM IN HH BROADWAY & FOOTHILL

PANEL

	+	-
	4 64	
TP25		5 20
	5 82	
TP26		5 11
	6 21	
TP27		4 23
	6 12	
TP28		4 99
	5 85	
TP29		4 84
	5 48	
PP261		5 15

1/2 REBAR IN I-24 BROADWAY & AIRPORT

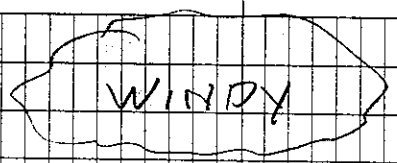
	+		−		
PP267					
	7.62				
TP1			3.87		
	7.26				
TP2			3.54		
	7.21				
TP3			2.56		
	7.36				
TP4			2.97		
	7.49				
TP5			3.57		
	6.34				
PP257			3.68		
	3.86				
TBM			2.02		
	0.53				
TP8			6.71		
	2.72				
TP9			7.26		
	2.64				
TP10			7.60		
	3.14				
TP11			6.79		
	3.26				
TP12			6.60		

STEM IN MH BROADWAY & TUTHILL

SCREW IN AC TUTHILL & DUNLAP

+ IN HEADWALL SE OF PP

	+		−		
~~PTS~~	385				
PP262			608		
	6323		6325		



JPOOR N
B CRUZ

3-13-90

224-220-206-205
RETURN

PP 206 TO TBM ON FREEWAY
RETURN

	+		−		
TBM ~~PP~~ 224					
	8 83				
TP1			3 62		
	6 49				
TP2			1 73		
	9 89				
TP3			0 77		
	7 53				
TP4			1 26		
	8 98				
TP5			3 01		
	5 58	4 30 ~~4 79~~			
PP 220R			3 59	13 98	
	4 25				
TP7			2 68		
	7 39				
TP8			2 18		
	7 34				
TP9			1 89		
	9 48				
TP10			3 70		
	6 71				
TP 11			3 14		
	8 04	~~8 98~~ 9 05			
PP 206			4 04	31 61	

TBM ~~SCREW IN~~ NAIL AT TBM YUMA & AIRPORT

PP220 NAIL IN PANEL

NAIL IN PANEL

	+		−	
	6 55			
TP13			4 22	
	8 24			
TP14			3 58	
	7 79	12 56 / 13 09		
PP205			109	42 71 / 40 50
	1 04			
TP16			7 76	
	1 38			
TP17			8 61	
	2 06			
TP18			7 75	
	2 18			
TP19			9 42	
	2 04			
TP20			7 15	
	1 96			
TP21			7 73	
	2 75	12 59 / 12 65		
PP220R			4 30	93 22
	2 08			
TP23			7 71	
	2 54			
TP24			8 18	
	2 43			
TP25	13 39 / 13 35		8 80	11 79

PP205R NAIL IN ℄ OF PANEL

	+		−		
	0 46				
TP26			8 87		
	3 46				
TP25			6 30		
	4 15				
TBM	~~14 09~~ 14162		8 60	14168	

TBM OF 224 0 00

PP206				
	7^{31}			
TP1			4^{04}	
	8^{47}			
TP2			2^{69}	
	6^{81}			
TP3			2^{43}	
	6^{61}			
TSM			3^{35}	
	3^{37}			
TP5			8^{54}	
	3^{87}			
TP6			6^{76}	
	2^{31}			
TP7			8^{20}	
	4^{44}			
PP 206	4^{39}		7^{23}	43^{24}

ADOT R/W CAP 6284774^{03} 11 13.31

10-05-90
KES

JPOOR
BCRUZ

3-14-90

TBM -190- BACK 1ST

190 - 189 - BACK 1ST

261-279-278-260

260 - 278

	+		−		
TBM					
	10.62				
TP1			5.65		
	7.44				
TP2			3.16		
	7.50				
TP3			1.91		
	7.03				
TP4			4.57		
	6.80				
TP5			3.10		
	6.38	4.57			
~~TP6~~	PP 190		2.57	2.096	
	2.58				
TP7			6.42		
	3.09				
TP8			6.79		
	3.59				
TP9			6.23		
	1.96				
TP10			7.24		
	4.70				
TP11			9.83		
	6.53				
TBM	6.822		10.77		
			6.824		

ADOT R/W CAP 6284774 93

PP 190 3/4" O.P.

ADOT R/W CAP 6284774 92

	+		−		
PP150					
	8 17				
TP1			1 24		
	9 59				
TP2			0 31		
	11 97				
TP3			0 18		
	487				
TP4			11 26		
	997				
TP5			0 35		
	10 62				
TP6			0 40		
	7 46	62 65			
[illegible]			1 28	15	
	1 16				
TP8			7 32		
	0 39				
TP9			10 63		
	0 33				
TP10			9 95		
	11 00				
TP11			13 10		
	0 07				
TP12			9 11		
	115 60		65 12		

3/4 OF MCDONELL F AIRCRAFT

1/2 REBAR CENTER OF PANEL

	023			
PP190	7583		1068	
			7581	
~~TP14~~				

261 - 279 - 278 - 260

VOID

	+		−	
PP261				
	3 07			
TP1			7 67	
	2 81			
TP2			7 69	
	3 34			
TP3			7 45	
	3 87			
TP4			7 16	
	3 36			
TP5			6 40	
	2 08			
TP6			6 99	
	3 42	2688		
TP7			6 74	
	4 25	2620		
TBM			5 19	5529
	0 50			
TP9			7 62	
	3 01			
TP10			5 42	
	4 02	3373		
PP279			6 53	7480
	6 63	4036		
PANEL			5 87	8013

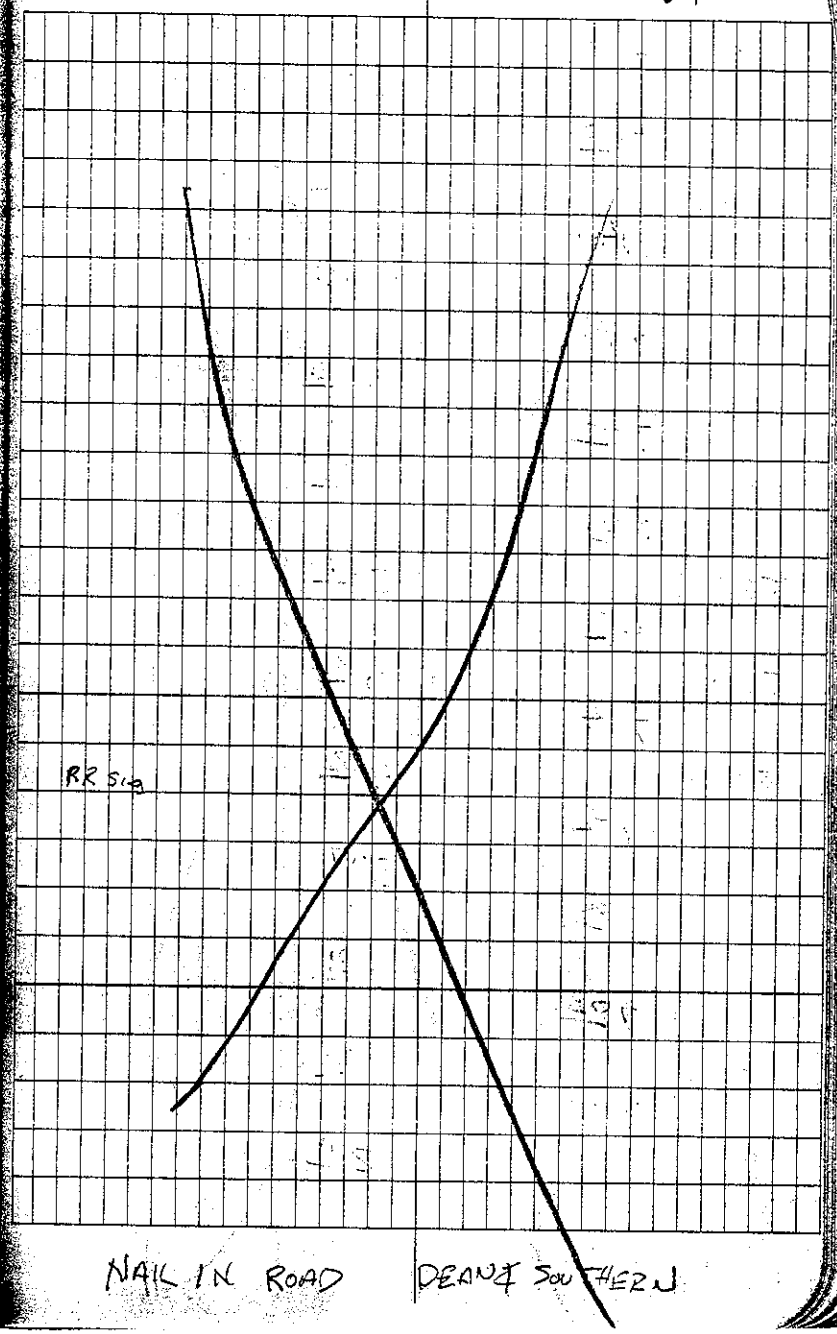
1/2 REBAR IN HH BROADWAY & AIRPORT

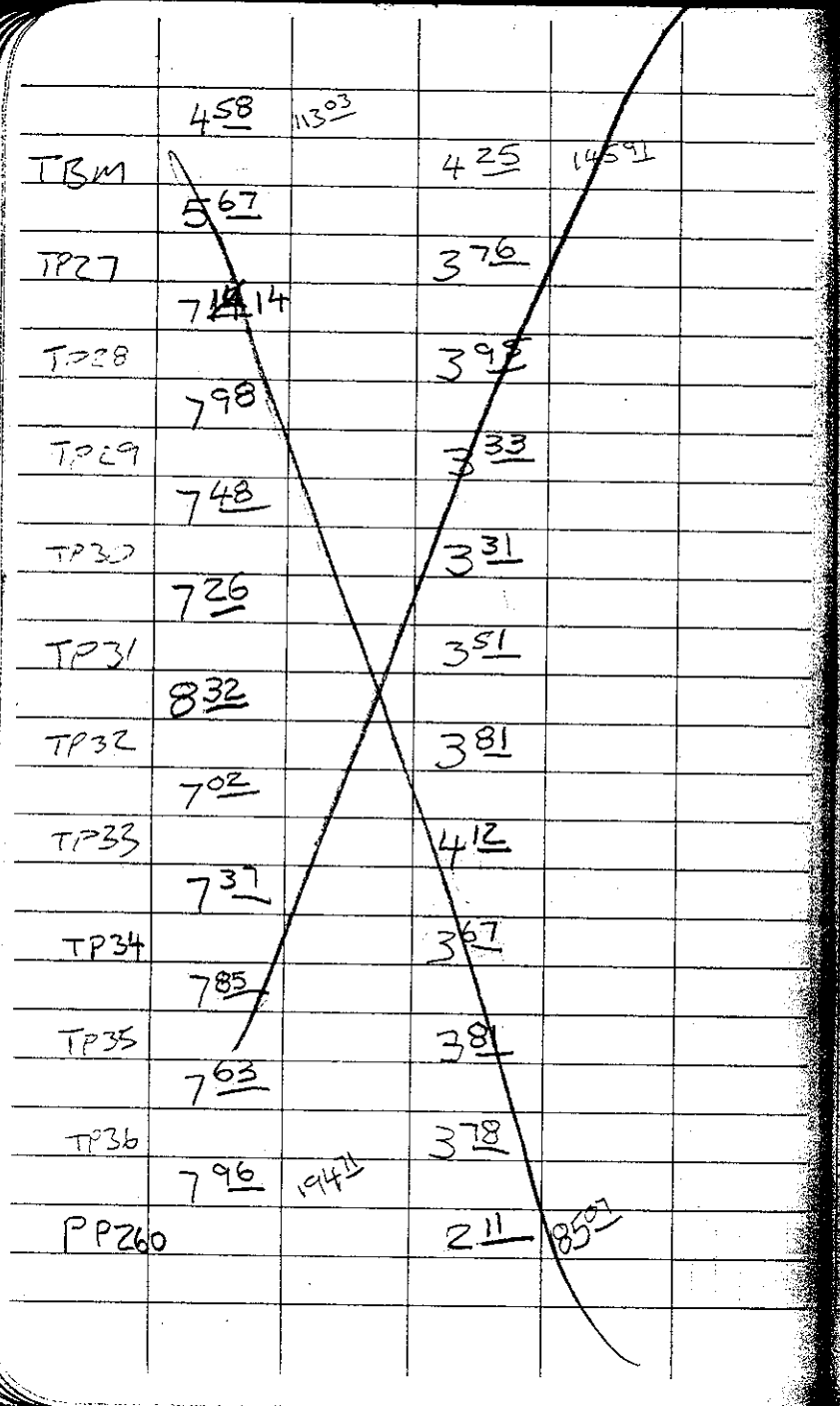
TBM ON RAIL ROAD SPIKE FOR EAST LOOP

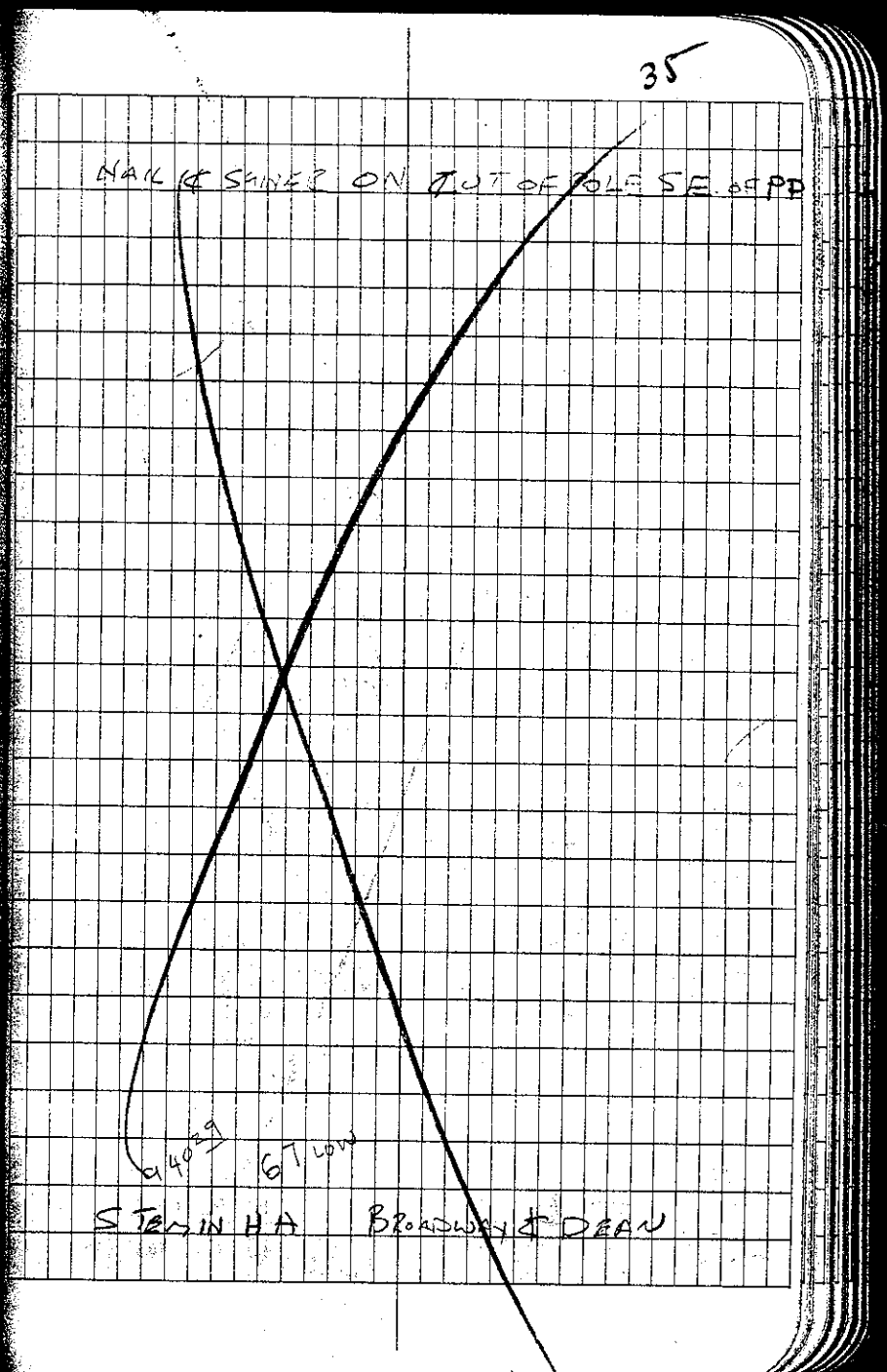
1/2 IRON PIN IN CONCRETE AIRPORT & CANAL

PANEL

	+		−	
	6.55			
TP13			4.83	
	7.35			
TP14			3.03	
	6.22			
TP15			5.74	
	4.42			
TP16			5.19	
	2.64			
TP17			5.07	
	4.80			
TP18			5.44	
	4.28			
TP19			4.94	
	7.24			
TP20			2.39	
	1.49			
TP21			5.46	
	5.64			
TP22			5.96	
	4.59			
TP23			5.44	
	5.29			
TP24			2.48	
	7.91	18.45		
PP218R			4.96	14.66







	4^{58}	113^{03}		
TBM			4^{25}	145^{91}
	5^{67}			
TP27			3^{76}	
	7^{14}			
TP28			3^{95}	
	7^{98}			
TP29			3^{33}	
	7^{48}			
TP30			3^{31}	
	7^{26}			
TP31			3^{51}	
	8^{32}			
TP32			3^{81}	
	7^{02}			
TP33			4^{12}	
	7^{37}			
TP34			3^{67}	
	7^{85}			
TP35			3^{81}	
	7^{63}			
TP36			3^{78}	
	7^{96}	194^{71}		
PP260			2^{11}	85^{07}

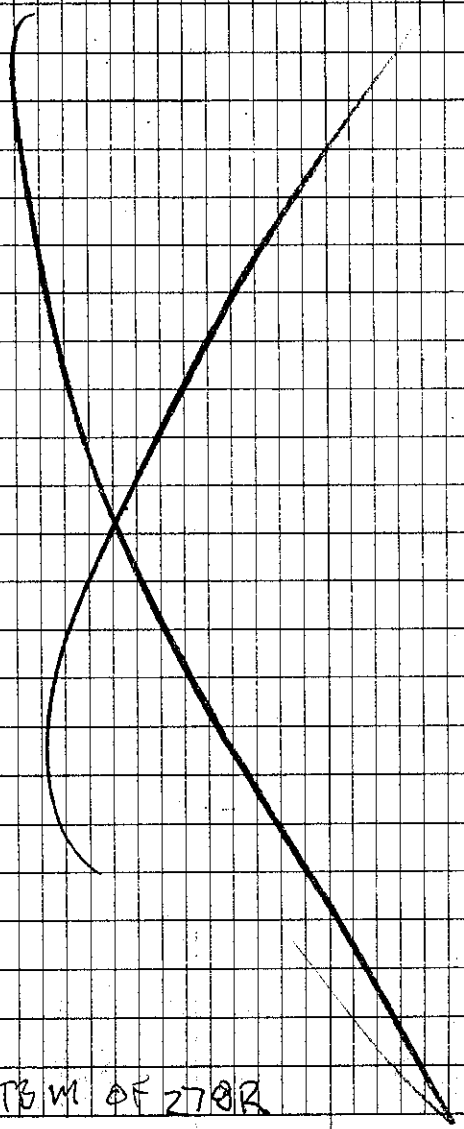
NAIL & SHINER ON CUT OF POLE SE. OF PP

94^{029} 67 LOW

STEM IN HA BROADWAY & DEAN

	+	—
PP260		
	3^{18}	
TP1		6^{96}
	2^{71}	
TP2		6^{61}
	2^{24}	
TP3		5^{98}
	1^{48}	
TP4		6^{18}
	2^{69}	
TP5		5^{99}
	2^{28}	
TP6		6^{47}
	2^{31}	
TP7		6^{41}
	2^{66}	
TP8		6^{05}
	2^{36}	
TP9		6^{32}
	2^{19}	
TP10		5^{94}
	2^{75}	
TP11		5^{73}
	2^{97}	
TBM		4^{37}
	29^{82}	~~68^{64}~~ 73^{01}

STEM IN HH BROADWAY & DEAN



TBM OF 278R

86 37

J POOR
B CRUZ

3-16-90

282-294-302-301-281

PP282				
	4^{90}			
TP1			4^{57}	
	5^{17}			
TP2			5^{08}	
	5^{14}			
TP3			5^{24}	
	4^{83}			
TP4			4^{88}	
	4^{79}			
TP5			4^{89}	
	4^{86}			
PP294		29^{69}	4^{59}	29^{24}
	4^{63}			
TP 7			5^{00}	
	4^{92}			
TP8			4^{77}	
	4^{74}			
TP9			4^{72}	
	4^{83}			
TP10			4^{66}	
	4^{31}	53^{12}		
TBM			2^{59}	50^{99}
	6^{01}	59^{13}		
PP 302			8^{03}	59^{02}

BC FLUSH WITH PANEL PERRYVILLE
J SOUTHERN

BC FLUSH WITH PANEL

888.39 10/25/90 KES

X IN NE CORNER OF HEADWALL
SOUTHERN & SR85

1 3/4" OP SOUTH OF SR85 ON CANEL

	+		—		
	8^{08} 67^{21}				
PANEL			7^{66}	66^{68}	
	4^{71}				
TP14			4^{51}		
	2^{75}				
TP15			5^{71}		
	4^{46}				
TP16			5^{61}		
	4^{41}				
TP17			4^{73}		
	3^{95}				
TP18			5^{19}		
	4^{35}				
TP19			5^{30}		
	4^{41}				
TP20			5^{05}		
	4^{41}				
TP21			5^{38}		
	4^{99}				
TP22			4^{90}		
	4^{55} 110^{20}				
PP 301			4^{43}	117^{49}	117^{46} ADJS
	3^{87}				
TP24			5^{44}		
	5^{44}				
TP26	119^{51}		5^{04}	127^{97}	

PANEL

PK & SHINER JACK RABBIT & SR 85

	+		—		
	5^{65}				
TP27			4^{69}		
	4^{97}				
TP28			6^{02}		
	4^{88}				
TP29			5^{22}		
	5^{03}				
TP30			5^{88}		
	5^{95}				
TP31			5^{01}		
	5^{74}				
TP32			4^{53}		
	5^{73}				
TP33			4^{22}		
	4^{55}				
TP34			3^{52}		
	5^{60}				
PP281	167^{61}		2^{87}		
			169^{93}		

0^{05} Low

LEVEL RERUN
From Pg 32

261 - 279 - 278 - 260

J. Poor
A Smith
3-27-90

STA	+	HI	−	ELEV	ADJ
PP 261				93~~K~~18	930.65
	2 51				
			7 39		
	3 16				
			7 54		
	3 23				
			7 07		
	3 14				
			7 41		
	2 78				
			6 82		
	2 69				
			7 57		
	3 75				
			6 55		
	4 20				
			10 08		
	2 83				
			6 71		
	4 27				
PP 279			6 51	89~~0~~09	889.56
	6 45				
			5 69	89~~0~~85	890.32

	DESCRIPTION
	PANEL # 261 1/2" IP IN H.H.
	1/2" IP IN CONC AIRPORT Rd.
	PANEL ~~ARMT~~

STA	+	HI	-	ELEV
	572			
			601	
	491			
			433	
	472			
			497	
	440			
			481	
	501			
			522	
	509			
			424	
	511			
			627	
	546			
			557	
	558			
			482	
	438			
			567	
	733			
			177	
	767			
			460	89X.95 ~~897.12~~ 897.43

PP 278 NAIL IN PLANT DEAN & SOUTHEEN

STA	+	HI	−	ELEV	
	4 35				
			4 02		
	5 86				
			3 47		
	6 98				
			3 13		
	7 73				
			2 78		
	6 74				
			2 81		
	7 40				
			2 67		
	7 08				
			2 62		
	6 73				
			3 16		
	7 77				
			2 39		
	7 14				
			2 64		
	7 39				
			1 96	~~941.47~~	940.94
				~~[illegible]~~ low	0 02 low

PP 260 SM STEM IN H.H.
BROADWAY & DEAN ~~941.60~~ panel
940.96 stem

TOPO CK ✓

JULY 3 1990

I B CRUZ

T J POOR

	# 42	PG - 48
	# 43	PG 46-47
	# 34	PG -49-50
	# 35	PG 51-52
NO	# 37	
NO	# 44	
	# 49	PG 53-54
	# 54	PG 55-56

STA	+	⊼	−	ELEV
				1078 59
	5 69			
1+00			5 27	79 01
2+00			5 13	79 15
3+00			5 05	79 23
4+00			4 86	79 42
5+00			4 55	79 73
6+00			4 44	79 84
7+00			4 36	79 92
8+00			4 20	80 08
9+00			4 08	80 20
10+00			3 81	80 47
11+00			3 57	80 71
12+00			3 42	80 86
13+00			3 16	81 12
	3 16			
✓ IN			5 20	1078 58

NORTH # 43 — — 46

PP113 DYSHART & NORTHERN BC IN HH

✓ IN BC PP13

STA	+	↑	−	ELEV
				1078 59
	6 12			
1+00			5 68	79 03
2+00			5 63	79 08
3+00			5 58	79 13
4+00			5 38	79 33
5+00			5 21	79 50
6+00			4 97	79 74
7+00			4 76	79 95
8+00			4 55	80 16
9+00			4 45	80 26
10+00			4 29	80 42
11+00			4 35	80 36
12+00			4 31	80 40
13+00			4 35	80 36
	4 35			
✓IN			6 11	1078 60

PP 113 DYSHART & NORTHERN

BC IN HH

✓ IN BC PP113

STA	+	⊼	−	ELEV
				1085^{43}
	3^{87}			
1+00			3^{89}	85^{41}
2+00			4^{19}	85^{11}
3+00			4^{40}	84^{90}
4+00			4^{56}	84^{74}
5+00			4^{74}	84^{56}
6+00			5^{07}	84^{23}
7+00			5^{19}	84^{11}
8+00			5^{46}	83^{84}
9+00			5^{70}	83^{60}
10+00			6^{06}	83^{24}
11+00			6^{16}	83^{14}
12+00			6^{45}	82^{85}
13+00			6^{64}	82^{66}
	6^{64}			
			3^{87}	1085^{43}
✓ IN				

SOUTH # 42 T 48

PP112 LITCHFIELD & NORTHERN
BC IN HH

✓ IN BC PP112

STA	+	$\overline{\wedge}$	−	ELEV
				1077^{50}
	0^{75}			
1+00			0^{56}	77^{69}
2+00			0^{88}	77^{37}
3+00			1^{24}	77^{01}
4+00			2^{27}	75^{98}
5+00			3^{14}	75^{11}
6+00			4^{17}	74^{08}
7+00			5^{09}	73^{16}
8+00			5^{98}	72^{27}
9+00			6^{80}	71^{45}
10+00			7^{15}	71^{10}
11+00			7^{16}	71^{09}
12+00			6^{60}	71^{65}
13+00			5^{49}	72^{76}
	5^{49}			
✓IN			0^{76}	1077^{49}

NORTH #34

PP 140 LITCH FIELD & BETHANY HOME
BC IN HH

✓IN BC PP140

STA	+	⊼	−	ELEV
				1077^{50}
	8^{73}			
1+00			7^{59}	78^{64}
2+00			7^{19}	79^{04}
3+00			6^{82}	79^{41}
4+00			6^{34}	79^{89}
5+00			5^{84}	80^{39}
6+00			4^{58}	81^{65}
7+00			3^{94}	82^{29}
8+00			3^{89}	82^{34}
9+00			3^{77}	82^{46}
10+00			3^{59}	82^{64}
11+00			3^{45}	82^{78}
12+00			3^{44}	82^{79}
13+00			3^{47}	82^{76}
	3^{47}			
✓IN			8^{70}	1077^{53}

SOUTH #34

PP140 LITCHFIELD & DETHANN HOME
BC IN HH

✓ IN BC PP140

STA	+		−	ELEV
				1036 44
	6 17			
1+00			5 65	36 96
2+00			5 38	37 23
3+00			5 11	37 50
4+00			4 97	37 64
5+00			4 88	37 73
6+00			4 86	37 75
7+00			4 63	37 98
8+00			4 41	38 20
9+00			4 08	38 53
10+00			3 79	38 82
11+00			3 58	39 03
12+00			3 10	39 51
13+00			2 33	40 28
	2 33			
VIN			6 17	1036 44

NORTH #35 51

PP 143 EL MIRAGE & BETHANY HOME
1½" BOLT CAP

VIN PP143 1½ BOLT CAP

STA	+	π	−	ELEV
				1036 44
	3 59			
1+00			3 51	36 52
2+00			3 88	36 15
3+00			4 07	35 96
4+00			4 46	35 57
5+00			4 67	35 36
6+00			4 83	35 20
7+00			5 19	34 84
8+00			5 50	34 53
9+00			5 68	34 35
10+00			6 05	33 98
11+00			6 22	33 81
12+00			6 36	33 67
13+00			6 57	33 46
	6 57			
VIN			360	1036 43

South #35 52

~~PP 143 ELMIRAGE & BETH. HOME~~

~~1½ BOLT CAP~~

→ PP 143 EL MIRAGE & BETH. HOME

1½" BOLT CAP

VIN PP 143 1 1/2 BOLT CAP

STA	+	π	−	ELEV	
	5 13	1113 98		1108 85	BM
0+00			6 23	07 75	
1+00			6 57	07 41	
2+00			6 09	07 89	
3+00			5 74	08 24	
[illegible]			5 64	08 34	
5+00			5 41	08 57	
6+00			5 16	08 82	
7+00			4 87	09 11	
[illegible]			4 54	09 44	
[illegible]			4 22	09 76	
[illegible]			4 18	09 80	
[illegible]			3 89	1110 09	
[illegible]			3 58	1110 40	
[illegible]			3 33	1110 65	TP
	3 33				
V IN			5 13	8 85	

NORTH | #49 | 53

PP 74 CACTUS COTTON SPINDLE

→ IN POWER POLE #3/7

(FB #3 Pg 5)

V IN COTTON SPINDLE

STA	+	T	−	ELEV	
				1108 85	TBM →
	1 70	1110 55			
0+00			2 81	07 74	
1+00			3 91	06 64	
2+00			4 52	06 03	
3+00			4 97	05 58	
4+00			5 08	05 47	
5+00			5 36	05 19	
6+00			5 79	04 76	
7+00			5 82	04 73	
9+00			5 88	04 67	
9+40			6 15	04 40	
10+00			6 17	04 38	
11+00			6 63	03 92	
12+00			7 60	02 95	
13+00			7 78	02 77	TP
	7 78				
V IN			1 70	8 85	

SOUTH #49 54

PP TH CACTUS COTTON SPINDLE

IN POWER POLE #3/7 F.B. #3 Pg 5

V IN COTTON SPINDLE

STA	+	⊼	−	ELEV
				1149 13
	10 72			
1+00			10 09	49 76
2+00			9 42	50 43
3+00			8 23	51 62
4+00			6 83	53 02
[illegible]			6 04	53 81
[illegible]			5 38	54 47
[illegible]			4 98	54 87
8+00			4 41	55 44
9+00			3 77	56 08
[illegible]			3 21	56 64
[illegible]			2 87	56 98
12+00			2 03	57 82
[illegible]			0 94	58 91
	0 94			
VIN			10 72	1149 15

NORTH #54 55

PP 45 EL MIRAGE & GREENWAY
IRON PIPE IN POTHOLE

VIN PP 45 IP IN POTHOLE

STA	+	π	−	ELEV
				1149.13
	4.08			
1+00			3.51	49.70
[illegible]			3.87	49.34
[illegible]			4.15	49.06
			4.45	48.76
[illegible]			4.95	48.26
			5.14	48.07
[illegible]			5.19	48.02
[illegible]			5.23	47.99
[illegible]			5.58	47.63
[illegible]			6.07	47.14
11+00			6.45	46.76
12+00			7.04	46.17
13+00			7.42	45.79
	7.42			
✓IN			4.01	1149.12

SOUTH #54 56

PP 45 ELMIRA SE & GREENWAY IRON PIPE IN POT HOLE

PP 45 IP IN POT HOLE

TOPO CK

AUG 2 1990 I B CRUZ
T H J POOR

#20 PG-58
#12 PG-59 & 60
#7 PG-61 & 62

STA	+	Δ	-	ELEV	
				1030 91	
	0 63				
1+00			0 56	30 98	
2+00			1 18	30 36	
3+00			1 77	29 77	
4+00			2 42	29 12	
5+00			3 11	28 43	
6+00			3 80	27 74	
7+01			4 70	26 84	
8+00			5 53	26 01	
9+00			6 39	25 15	
10+01			7 33	24 21	
11+00			8 20	23 34	
12+00			9 02	22 52	
13+00			9 86	21 68	
	9 98		9 98		
PP209			0 74	1030 92	↙ 01 HIGH

SOUTH #20

58

PP209 1/2" OP IN H.H

JACK RABBIT & VAN BUREN

CK IN TO PP209 1/2" OP IN HH

STA	+	↑	−	ELEV	
				955.76	
	0.93				
1+00			1.09	55.60	
2+00			1.77	54.92	
3+00			2.63	54.06	
4+00			3.41	53.28	
5+00			4.23	52.46	
6+00			5.02	51.67	
7+00			5.86	50.83	
8+00			6.65	50.04	
9+00			7.55	49.14	
10+00			8.37	48.32	
11+00			9.13	47.56	
12+00			9.94	46.75	
13+00			10.72	45.97	
	10.65				
PP245			0.88	955.21	✓ 05 low

SOUTH 12 T 59

PP245 ROD IN SINK IN HH
LOWER BUCKEYE & JACKRABBIT

STA	+	⊼	—	ELEV	
				955.76	
	10.85				
1+00			9.47	57.14	
2+00			8.66	57.95	
3+00			7.86	58.75	
4+00			7.08	59.53	
5+00			6.45	60.16	
6+00			5.69	60.92	
7+00			4.94	61.67	
8+00			4.24	62.37	
9+00			3.48	63.13	
10+00			2.78	63.83	
11+00			2.15	64.46	
12+00			1.57	65.04	
13+00			1.10	65.51	
	1.05				
			10.79	955.77	✓ .01 HIGH

NORTH 12 60

PP245 ROD IN CONC IN HH

JACK RABBIT & LOWER BUCKEYE

JACK RABBT & SOUTHERN AVE

PP281 1" OP FLUSH WITH PAVEMENT

STA	+	HI	−	ELEV	
				883.91	
	1.83				
1+00			2.74		83.08
2+00			3.11		82.71
3+00			3.35		82.47
4+00			3.81		82.01
5+00			4.29		81.53
6+00			4.69		81.13
7+00			5.15		80.67
8+00			5.69		80.13
9+00			5.76		80.06
10+00			5.79		80.03
11+00			5.78		80.04
12+00			5.85		79.97
13+00			5.94		79.88
	5.92				
			1.80		84.00

0.01 CLOSURE

STA	+	HI	−	ELEV	
				883.99	
	8.07				
1+00			7.60		84.46
2+00			7.15		84.91
3+00			6.52		85.54
4+00			5.97		86.09
5+00			5.40		86.66
6+00			4.80		87.26
7+00			4.26		87.78
8+00			3.59		88.47
9+00			2.99		89.40
	10.85				
10+00			9.32		90.93
11+00			6.65		93.62
12+00			4.05		96.20
13+00			3.17		97.08
	3.18				
9+00			10.86		89.40
	1.84				
			7.22		84.02

NORTH →

62

JACKRABBIT & SOUTHERN AVE

PP 281 1" OP FLUSH W/ PAVEMENT

0.03 CLOSURE

04.

TOPO CK

π - A VALENTINE

+ - J. POOR

OCT 4 1990

PAL-5C

437633

STA	+	T	—	ELEV	
				974.19	
	10.76				
1+00			9.11		75.84
2+00			7.94		77.01
3+00			7.32		77.62
4+00			6.69		78.26
5+00			6.00		78.95
6+00			5.41		79.54
7+00			4.85		80.10
8+00			3.45		81.00
9+00			3.12		81.33
10+00			2.44		82.01
11+00			1.45		83.00
12+00			1.32		83.13
13+00			0.58		84.07
	0.58				
			10.73		74.92

NORTH #11 T - AV + - SP

PP 243 2" BC IN NH AIRPORT RD LOWER BUCKEYE

0.03 CLOSURE

STA	+	π	−	ELEV	
				974.19	
	1.06				
1+00			1.90		73.35
2+00			2.66		72.55
3+00			3.32		71.93
4+00			3.97		71.28
5+00			4.59		70.66
6+00			5.06		70.19
7+00			5.37		69.88
8+00			5.98		69.27
9+00			6.80		68.45
10+00			7.12		68.13
11+00			7.80		67.45
12+00			8.32		66.93
13+00			9.01		66.24
	8.91				
			0.95		74.20

66

SOUTH #11 π-AV, +-JP

PP243 2" BC IN HH AIRPORT RD

LOWER BUCKEYE

0.01 CLOSURE

STA	+	π	−	ELEV	
				890^{32}	
	0^{77}				
1+00			2^{08}		$89.^{01}$
2+00			4^{67}		$86.^{42}$
3+00			6^{69}		$84.^{40}$
4+00			7^{99}		$83.^{10}$
5+00			8^{95}		$82.^{14}$
6+00			9^{75}		$81.^{34}$
7+00			10^{49}		$80.^{60}$
8+00			11^{06}		$80.^{03}$
	5^{64}				
9+00			6^{19}		$79.^{48}$
10+00			6^{82}		$78.^{85}$
11+00			7^{33}		$78.^{34}$
12+00			7^{90}		$77.^{77}$
13+00			8^{65}		$77.^{02}$
	8^{72}				
TP			0^{77}		$84.^{97}$
	8^{20}				
			2^{89}		$90.^{26}$

#6 SOUTH

PANEL # 279 "1" I.P. IN H.H.

0^{04} CLOSURE

STA	+	↑	−	ELEV
				890.32
	8.29			
1+00			6.27	92.34
2+00			6.20	92.41
3+00			5.94	92.67
4+00			5.52	93.09
5+00			5.20	93.41
6+00			4.66	93.95
7+00			4.06	94.55
8+00			3.22	95.39
9+00			2.12	96.48
	7.56			
10+00			6.39	97.65
11+00			4.53	99.51
12+00			2.62	101.42
13+00			1.58	2.52
	1.52			
			4.65	94.39
	3.51			
			7.33	90.37

#6 NORTH

PANEL # 279 1" I.P. in M.H.

0.05 CLOSURE

#19 SOUTH ONLY 69

PANEL PT. #207 - ROCK COR. STONE

STA	+	π	−	ELEV	
				1055.81	
	5.48				
1+00			6.67		55.12
2+00			8.21		53.58
3+00			9.00		52.79
4+00			9.88		51.91
5+00			10.70		51.09
6+00			11.78		50.91
7+00			12.57		49.22
	3.63	52.85			
8+00			4.81		48.04
9+00			5.37		47.48
10+00			6.55		46.30
11+00			6.80		46.05
12+00			7.89		44.96
13+00			7.57		45.28
	7.61	52.89			
			3.04		49.85
	13.19	63.04			
			7.27	1055.77	

PANEL PT #207 1055.77 0.0 LOW

PANEL PT. #244 P.K. IN POTHOLE @ DESERT & YUMA/WESTERN RD.

STA	+	HI	−	ELEV.
				965.70
	6.06	71.76		
1+00			6.30	65.46
2+00			6.80	64.96
3+00			6.62	65.14
4+00			6.40	65.36
5+00			5.95	65.81
6+00			5.41	66.35
7+00			4.91	66.85
8+00			4.38	67.38
9+00			3.89	67.87
10+00			3.30	68.46
11+00			2.77	68.99
12+00			2.30	69.46
13+00			1.82	69.94
	2.07			
			6.28	65.73

+ 0.03 CLOSURE

STA	+	HI	-	ELEV.
				965.70
	6.77			
1+00			5.19	67.28
2+00			3.71	69.76
3+00			5.69	66.78
4+00			9.45	63.02
5+00			11.63	61.39
6+00			14.02	58.45
	14.01			
			6.75	65.71

* NOTE - ENDED THIS TOPO check @ 6+00 SOUTH BECAUSE OF NO ROAD & THICK BRUSH!

#17 SOUTH 71

PANEL PT. #244 PK. IN POTHOLE @ DYSART & YUMA/WESTERN RD.

0.01 CLOSURE

STA	+	HI	−	ELEV.
				964.31
	4.20	68.51		
1+00			4.30	64.21
2+00			4.79	63.72
3+00			5.31	63.20
4+00			5.49	63.02
5+00			5.81	62.70
6+00			5.99	62.52
7+00			6.21	62.30
8+00			6.52	61.99
9+00			6.78	61.73
10+00			7.38	61.13
11+00			7.63	60.88
12+00			7.88	60.63
13+00			8.35	60.16
	8.37			
			4.23	64.30

13 SOUTH 'ONLY'

PANEL PT. # 255 2" B.C IN HANDHOLE @ CATCHFIELD & LOWER BUCKEYE

0.01 CLOSURE.

STA	+	HI	−	ELEV.	
				922.00	
	4.54	21.54			
1+00			4.36	22.18	
2+00			4.41	22.13	
3+00			4.60	21.94	
4+00			4.75	21.79	
5+00			4.89	21.65	
6+00			5.02	21.52	
7+00			5.15	21.39	
8+00			5.29	21.25	
9+00			5.51	21.03	
10+00			5.44	21.10	
11+00			5.34	21.20	
12+00			5.26	21.28	
13+00			4.99	21.55	21.55
	4.97				
			4.53		21.99

10 SOUTH

PANEL # 270 2" EC IN HANDHOLE @ BILLARD & BROADWAY

0.01 CLOSURE

#10 NORTH p.74

PANEL # 270 2" BC. IN HANDHOLE @ BALLARD & BROADWAY

STA	+	HI	−	ELEV.	
				922.00	
	9 56	31.56			
1+00			9 09	22 47	
2+00			8 70	22 86	
3+00			8 13	23 43	
4+00			7 38	24 18	
5+00			6 28	25 28	
6+00			5 03	26 53	
7+00			3 62	27 94	
8+00			1 92	29 64	29.64
	9 85	29.49			
9+00			7 98	31 51	
10+00			6 02	33 47	
11+00			4 02	35 47	
12+00			2 39	37 10	
13+00			0 88	38 61	38.61
	0 87				
			9 83	29 65	29.65
	0 57				
			8 18	22 04	22.04

0 04 closure

STA	+	HI	−	ELEV.
				921.51
1+00		DID		
2+00			NOT	
3+00		DO		
4+00				
5+00			!	
6+00				

*NOTE – ENTIRE 1300' FALLS ON A LARGE BRIDGE SPANNING GILA RIVER.

#5 NORTH 'ONLY' P.75

PANEL PT. #298 - 2" B.C. IN HANDHOLE
℄ BULLARD & VINEYARD RD.

STA	+	HI	−	ELEV	
				977.19	BM
	7.25	84.44			
1+00			7.03	77.41	77.41
2+00			6.46	77.98	
3+00			6.17	78.27	
4+00			5.97	78.47	
5+00			5.92	78.52	
6+00			6.13	78.31	
7+00			6.29	78.15	
8+00			6.30	78.14	
9+00			6.25	78.19	
10+00			5.93	78.51	
11+00			5.68	78.76	
12+00			5.34	79.10	
13+00			5.14	79.30	79.30
	5.16				
			7.26	77.20	77.20

#16 N. 76

PANEL 234 – NAIL IN CONC IN 4-HOLE @ BILLBOARD & YUMA DIRT ROAD

0.01 CLOSURE

STA	+	HI	−	ELEV.	
				97.19	
	1.97	79.16			
1+00			2.19	76.97	
2+00			3.19	75.97	
3+00			4.29	74.87	
4+00			4.07	75.09	
5+00			4.58	74.58	
6+00			5.02	74.14	
7+00			5.66	73.50	
8+00			6.08	73.08	
9+00			6.61	72.55	
10+00			7.22	71.94	
11+00			7.83	71.83	
12+00			8.50	70.66	
13+00			9.12	70.04	70.04
	9.37				
			2.21	77.20	77.20

#16 S 77

PANEL #234 - NAIL IN RANCH-HOLE @ BALLARD & YUMA - PAVED STREET, 90° CENTER WEST

0.01 CLOSURE

STA	+	HI	−	ELEV.
				994.34
	4.02	98.36		
1+00			4.04	94.32
2+00			4.20	94.16
3+00			4.20	94.16
4+00			4.35	94.01
5+00			4.59	93.77
6+00			4.90	93.46
7+00			5.22	93.14
8+00			5.43	92.93
9+00			5.91	92.45
10+00			6.12	92.24
11+00			6.47	91.89
12+00			6.81	91.55
13+00			6.51	91.85
	6.46			
			3.93	94.38

#24 SOUTH

PANEL # 200 - 2" B.C. IN H-HOLE

@ DYSART & MCDOWELL

PAVED

0.04 CLOSURE

STA.	+	HI	−	ELEV.	
				994.34	
	5.89	100.23			
1+00			5.37	94.86	
2+00			5.24	94.99	
3+00			5.14	95.09	
4+00			5.04	95.19	
5+00			4.81	95.42	
6+00			4.68	95.55	
7+00			4.69	95.54	
8+00			4.60	95.63	
9+00			4.45	95.78	
10+00			4.36	95.87	
11+00			4.30	95.93	
12+00			4.23	96.00	
13+00			4.11	96.12	96.12
	3.67				
			5.48	94.31	94.31

II 24 NORTH P.79

PANEL 4200 - 2" BC. IN MH-HOLE

@ DYSART & McDOWELL

0.03 CLOSURE

25 SOUTH ONLY

PHOTO ID. # 187 - NAIL IN P.P.
@ THOMAS & EL MIRAGE
- DIRT RD. ALONG FIELD

STA	+	HI	−	ELEV.	
				99.40	
	2.88				
1+00			5.34	96.94	
2+00			5.79	96.49	
3+00			5.96	96.32	
4+00			6.19	96.09	
5+00			6.39	95.89	
6+00			6.47	95.81	
7+00			6.54	95.74	
8+00			6.59	95.69	
9+00			7.03	95.25	
10+00			7.39	94.89	
11+00			7.56	94.72	
12+00			8.07	94.21	
13+00			8.29	93.99	93.49
	8.59				
			2.97	99.41	✓ 01 HIGH

WHITE

TANKS

#8

LIETZ

SINCE 1882

TRANSIT FIELD BOOK

No. 8152-00

#8

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INDEX

289036-110-02 WHITE TANKS AGC 1-

3-15-90

①

D SCHWALENSTOCKER ⊼ ⊡

K GOMEZ ϕ

pp 73 - 74 - 73

STA	+	HI	−	ELEV	ADJ
PP#73				1117.39	
	2.35	1119.74			
TP-1			6.94	1112.80	
	4.59	1117.39			
TP-2			6.08	1111.31	
	5.08	1116.39			
TP-3			5.55	1110.84	
	5.00	1115.84			
TP-4			6.20	1109.64	
	5.55	1115.19			
#74			6.43	1108.76	1108.88
	6.63	1115.39			
TP-6			5.72	1109.67	
	6.29	1115.96			
TP-7			5.40	1110.56	
	5.77	1116.33			
TBM			2.73	1113.60	1113.72
	3.10	1116.70			
TP-9			5.10	1111.60	
	5.92	1117.52			
TBM			2.63	1114.89	
	3.67	1118.56			
TP-11			4.23	1114.33	
	6.58	1120.91			
PP#73			3.50	1117.41	0.02 HIGH

(2)

NEW PVMT, BCSM PAVED OVER

1"x2" IN DIRT RD (PANEL) (R) 1108.41

1113.72

PP# 3/13 MTP 1044

PP# 3/15

STA	+	HI	-	ELEV	ADJ.
74				1108.88	
	5.73	1114.61			
74			5.43	1109.18	
TBM 74				1108.85	
	4.42	1113.27			
TP-1			9.51	1103.76	
	9.31	1113.07			
#327			3.51	1109.56	
	3.91	1113.47			
SIDE SHOT			5.34	1108.13	
TP-3	-		9.58	1103.89	
	9.12	1113.01			
			4.15	1108.86	
TBM 74				1108.85	
	4.95	1113.80			
TP-			5.03	1108.77	
	5.36	1114.13			
74			5.24	1108.89	
			4.77	1109.36	

PAINT 1"x2"

BASE OF POWER POLE - PHOTO I.D. PT. (3' FROM POLE)

STEEL SPIKE IN POWER POLE 3/4

PHOTO I.D. PT. SOUTH SIDE BASE POWER POLE 3/4

& DIR TO NORTH OF POWER POLE 3/4

1"x2" - PAINT BASE AP - PHOTO I.D. PT. (1.5' FROM POLE)

3/15/90

(4)

P SCHWALENSTOCKER

K GOMEZ

pg 21

PP263 - PP275 - PP281 - PP282 - PP264

STA	+	HI	−	ELEV	ADJ
PP #263				916.67	
	3.36	920.03			
TP-1			7.49	912.54	
	4.07	916.61			
TP-2			5.86	910.75	
	3.79	914.54			
TP-3			8.65	905.89	
	2.05	907.94			
TP-4			6.93	901.01	
	3.98	904.99			
TP-5			6.00	898.99	
	4.82	903.81			
PP #275			5.00	898.81	898.82
	3.90	902.71			
TP-7			6.90	895.81	
	4.28	900.09			
TP-8			3.63	896.46	
	4.76	901.22			
TP-9			11.74	889.48	
	3.19	892.67			
TP-10			7.38	885.29	
	4.71	890.00			
PP #281			6.03	883.97	883.99
	4.76	888.73			
TP-12			5.44	883.29	

½" T.P. ROD IN HH @ JACKRABBIT & BROADWAY

A.C.P. LS 15199 IN PUNCT

1" G.I.P. FLUSH w/ PUNCT @ JACKRABBIT & SOUTHERN

STA	+	HI	−	ELEV	ADJ.
TP-12				883.29	
	5.14	888.43			
TP-13			5.51	882.92	
	5.34	888.26			
TP-14			5.51	882.75	
	5.23	887.98			
TP-15			5.37	882.61	
	5.27	887.88			
TP-16			5.79	882.09	
	4.66	886.75			
TP-17			5.12	881.63	
	6.47	888.10			
TP-18			4.65	883.45	
	5.50	888.95			
TP-19			5.55	883.40	
	5.86	889.26			
TP-20			4.59	884.67	
	5.65	890.32			
PP#282			4.10	886.22	886.26
	5.17	891.39			
TP-22			4.88	886.51	
	5.92	892.43			
TP-23			5.30	887.13	
	5.66	892.79			
TP-24			4.32	888.47	

M.C.H.D. BASIN FLUSH w/ PUMP.
@ SOUTHERN & PERRYVILLE

STA	+	HI	-	ELEV.	ADJ
TP-24				888.47	
	10.07	898.54			
TP-25			3.68	894.86	
	4.88	899.74			
TP-26			4.21	895.53	
	5.61	901.14			
TP-27			3.70	897.44	
	5.67	903.11			
TP-28			4.65	898.46	
	7.25	905.71			
TP-29			3.96	901.75	
	6.73	908.48			
TP-30			3.49	904.99	
	8.69	913.68			
PP#264			4.53	909.15 V	0.05 LOW

'X' IN CONCRETE BELOW ADMT
@ PERRYVILLE & BROADWAY

3/16/90

(8)

D SCHWALENSTOCKER ⊼ ⊡

K GOMEZ ϕ

PP 301 - PP308 - PP 314 - PP 313 - PP300 - PP301

	+	−
10'	5.47	
200'		6.09
10'	5.55	
200'		4.94
	11.02	11.03

STA	+	HI	−	ELEV	ADJ
PP# 301				879.00	
	5.20	884.20			
TP-1			4.80	879.40	
	6.45	885.85			
TP-2			2.62	883.23	
	5.44	888.67			
TP-3			5.43	883.24	
	4.83	888.07			
TP-4			5.43	882.64	
	4.98	887.62			
PP# 308			5.25	882.37	882.36
	4.94	887.31			
PP# 308			4.66	882.65	882.64
	4.44	887.09			
TP-7			5.28	881.81	
	4.80	886.61			
TP-8			5.46	881.15	
	4.46	885.61			
TP-9			5.87	879.74	
	5.09	884.83			
TP-10			5.38	879.45	
	6.97	886.42			
PP# 314			6.48	879.94	879.92
	1.68	881.62			
TP-12			6.89	874.73	

P.K. & SPIKER IN PVMT @ S.R. 85 & JACKRABBIT

SPIKE BELOW PVMT.

PVMT @ RAILEC ELEV.

NAIL & SPIKER IN PVMT. @ JACKRABBIT & BELOW

STA	+	HI	−	ELEV	ADJ.
TP-12				874.73	
	5.69	880.42			
TP-13			6.33	874.09	
	5.46	879.55			
TP-14			5.85	873.70	
	5.31	879.01			
TP-15			5.50	873.51	
	3.11	876.62			
TP-16			5.08	871.54	
	4.75	876.29			
TP-17			6.33	869.96	
	4.44	874.40			
TP-18			5.55	868.85	
	5.92	874.77			
TP-19			4.93	869.84	
	5.44	875.28			
PP#313			5.42	869.86	869.83
	5.04	874.90			
PP#313			4.55	870.35	870.31
	6.26	876.61			
TP-22			2.22	874.39	
	4.21	878.60			
TP-23			5.41	873.19	
	6.64	879.83			
TP-24			6.62	873.21	

M.C.H.D. BCSM IN HH @ TUTHILL & BELOW

NORTH RIM HH = PANEL ELEV.

STA	+	HI	−	ELEV.	ADJ.
TP-24				873.21	
	5.67	878.88			
TP-25			4.70	874.18	
	5.19	879.37			
TP-26			5.86	873.51	
	4.84	878.35			
TP-27			5.46	872.89	
	5.17	878.06			
TP-28			5.70	872.36	
	5.60	877.96			
TP-29			6.28	871.68	
	4.66	876.34			
TP-30			4.77	871.57	
	5.52	877.09			
PP#300			6.30	870.79	870.72
	5.55	876.34			
TP-32			4.63	871.71	
	6.29	878.00			
TP-33			4.37	873.63	
	6.05	879.68			
TP-34			4.76	874.92	
	5.24	880.16			
TP-35			4.54	875.62	
	5.94	881.56			
TP-36			5.03	876.53	

(11)

P.K. & SHINER IN PUMP. @ TUTHILL & S.R. 85

STA	+	HI	-	ELEV.	ADJ.
TP-36				876.53	
	5.15	881.68			
TP-37			5.03	876.65	
	5.50	882.15			
TP-38			4.90	877.25	
	5.57	88282			
TP-39			5.27	877.55	
	5.19	882.74			
TP-40			4.67	878.07	
	6.28	884.35			
PPA-301			5.28	879.07	0.07 HIGH

R.K. & SHINER in PLATT

(13)

D. SCHWALENSTOCKER ↑ [I]
A. SMITH ↓

PP33 - PHOTO I.D. PT #444 - PP33

STA	+	HI	−	ELEV	ADJ.
PP#33				1202.73	
	6.72	1209.45			
TP-1			3.51	1205.94	
	6.41	1212.35			
TP-2			3.78	1208.57	
	6.96	1215.53			
TP-3			4.07	1211.46	
	7.56	1219.02			
TP-4			3.56	1215.46	
	6.39	1221.85			
PHOTO-444			5.05	1216.80	
	4.61	1221.41			
TP-6			6.69	1214.72	
	4.14	1218.86			
TP-7			7.61	1211.25	
	4.03	1215.28			
TP-8			7.25	1208.03	
	4.35	1212.38			
TP-9			6.85	1205.53	
	4.16	1209.69			
PP#33			6.95	1202.74	0.01 HIGH

M.C.H.D. BCSM IN MH @ BELL & LITCHFIELD

PHOTO I.D. PT END OF EDGE STRIPE ON GRAND AVE. EAST OF LITCHFIELD SE BOUND LANE - SET NAIL & SHINER

M.C.H.D. BCSM IN HH

3/20/90

(15)

D SCHWALENSTOCKER $\overline{\text{X}}$ $\boxed{\text{X}}$

A SMITH ϕ

PP314-436 - PP321 - PP320 - PP312 - PP-313

STA	+	HI	-	ELEV	ADJ.
BP 3/4				879.92	
	4.24	884.16			
TP-1			5.28	878.88	
	5.11	883.99			
TP-2			5.66	878.33	
	5.22	883.55			
TP-3			5.33	878.22	
	7.05	885.27			
TP-4			1.48	883.79	
	8.18	891.97			
TP-5			3.20	888.77	
	6.47	895.24			
436			4.57	890.67	890.68
	6.98	897.65			
TP-7			4.87	892.78	
	5.37	898.15			
TP-8			6.43	891.72	
	3.68	895.40			
TP-9			7.47	887.93	
	2.75	890.68			
TP-10			6.01	884.67	
	5.25	889.92			
TP-11			4.73	885.19	
	6.40	891.59			
TBM-519			4.73	886.86	886.88

NAIL & SHINER IN POINT @ JACKRABBIT & BECKAT

TRAC PT MARK ON BRIDGE DECK, JACKRABBIT RD

X IN CONCRETE HW @ NW COR TUTTHILL & ELLIOT

STA	+	HI	−	ELEV	ADJ
TBM-5				886.86	886.88
	5.52	892.38			
TP-13			8.03	884.35	
	5.08	889.43			
TP-14			7.71	881.72	
	5.45	887.17			
TP-15			7.65	879.52	
	4.71	884.23			
TP-16			4.57	879.66	
	5.91	885.57			
PP#321			5.85	879.72	879.74
	3.40	883.12			
TP-18			9.81	873.31	
	4.74	878.05			
TP-19			5.71	872.34	
	7.10	879.44			
TP-20			1.33	878.11	
	8.20	886.31			
TP-21			4.84	881.47	
	6.52	887.99			
PP#320			7.16	880.83	880.86
	0.52	881.35			
TP-23			11.58	869.77	
	0.78	870.55			
TP-24			9.29	861.26	

X- IN CONCRETE HEADWALL, NW COR TWINING & ELLIOT

NAIL & SHINER IN PUMT (ELLIOT RD)

PK IN PUMT @ ELLIOT RD. & AIRPORT RD.

STA	+	HI	−	ELEV	ADJ.	
TP-24				861.26		
	4.65	865.91				
TP-25			0.99	864.92		
	4.43	869.35				
TP-26			12.41	856.94		
	2.91	859.85				
TP-27			5.22	854.63		
	8.33	862.96				
TBM-520			3.78	859.18	859.22	40d NAIL @ EDGE OF AIRPORT DD-INT. DIRT RD
	6.73	865.91				
TP-29			4.45	861.46		
	4.27	865.73				
TP-30			4.95	860.78		
	5.66	866.44				
TP-31			6.53	859.91		
	7.12	867.03				
TP-32			0.70	866.33		
	5.51	871.84				
PP#312			3.62	868.22	868.28	M.C.H.D. BCSM IN HH @ AIRPORT & BECOAT
	4.41	872.63				
PP#312			3.91	868.72	868.76	NORTH RIM HH = PANEL ELEV
	4.87	873.59				
TP-35			4.41	869.18		
	6.09	875.27				
TP-36			4.35	870.92		

STA	+	HI	−	ELEV.	ADJ
TP-36				870.92	
	5.38	876.30			
TP-37			4.38	871.92	
	4.83	876.75			
TP-38			5.40	871.35	
	4.48	875.83			
PP 39			6.05	869.78	0.05 LOW

M.C.H.D. BCSM IN HH @ TUTHILL & BELOIT

3/20/89

(20)

D SCHWALENSTOCKER $\bar{X}$ $\boxed{II}$

A SMITH ϕ

PP 132 - PP 131

STA	+	HI	-	ELEV	ADJ
PP#132				1153.06	
	3.74	1156.80			
TP-1			6.80	1150.00	
	7.57	1157.57			
TP-2			3.56	1154.01	
	7.18	1161.19			
TP-3			3.88	1157.31	
	10.00	1167.31			
TP-4			6.06	1161.25	
	7.30	1168.55			
TP-5			2.73	1165.82	
	9.92	1175.74			
TP-6			3.44	1172.30	
	8.37	1180.67			
TP-7			2.38	1178.29	
	7.30	1185.59			
TP-8			2.49	1183.10	
	8.46	1191.56			
TP-9			2.54	1189.02	
	5.33	1194.35			
PP#131			2.81	1191.54	

NAIL & SHINER

3/20/90

22

D SCHWALENSTOCKER ⊼ ⅢⅠ

A SMITH ϕ

PP265 - PP276 - PP265

STA	+	HI	−	ELEV.	ADJ
PP#265				902.30	
	4.85	907.15			
TP-1			5.53	901.62	
	4.51	906.13			
TP-2			5.90	900.23	
	3.56	903.79			
TP-3			7.59	896.20	
	5.23	901.43			
PP#276			5.05	896.38	
	4.79	901.17			
TP-5			4.97	896.20	
	7.16	903.36			
TP-6			3.17	900.19	
	5.65	905.84			
TP-7			4.50	901.34	
	5.58	906.92			
PP#265			4.65	902.27	0.03LOW

1" O.I.P. BELOW PVMT @ CITRUS & BROADWAY

3/21/90

D SCHWALENSTOCKER ⊼ ⊠

A SMITH ϕ

PP 266 - PP 284 - PP 266

STA	+	HI	-	ELEV	ADJ
PP#266					
	4.21				
TP-1			5.64		
	1.35				
TP-2			7.20		
	3.64				
TP-3			6.71		
	4.73				
TP-4			8.84		
	2.65				
TP-5			7.10		
	7.33				
TP-6			5.90		
	4.35				
TP-7			6.60		
	4.62				
TP-8			6.40		
	5.27				
PP#284			5.34		
	5.12				
TBM 521			4.89		
	5.09				
TP-11			5.25		
	6.27				
TP-12			4.41		

1" O.I.R. BELOW PUNT @ COTTON & BRANCHWAY

PR SPIKE IN POWER POLE #D 277

NAIL & SHINER @ COTTON & SOUTHERN

X IN HEADWALL NE COR COTTON & SOUTHERN

STA	+	HI	-	ELEV	ADJ
TP-12					
	6.39				
TP-13			4.27		
	5.83				
TP-14			7.54		
	7.22				
TP-15			3.79		
	10.26				
TP-16			4.59		
	6.69				
TP-17			3.68		
	8.11				
TP-18			1.92		
	5.45				
PP#266			4.53		0.02 LOW

3/21/96

(27)

D SCHWALENSTOCKER

A SMITH

PP278 - PP283 - PP299 - PP278

STA	+	HI	−	ELEV.	ADJ.
PP #278					
	2.49				
TP-1			8.12		
	2.91				
TP-2			11.03		
	2.27				
TP-3			8.13		
	4.05				
TP-4			7.47		
	3.20				
PP #293			6.83		
	3.33				
TP-6			6.27		
	4.28				
TP-7			5.88		
	4.55				
TP-8			5.93		
	4.47				
TP-9			5.47		
	4.42				
PP #299			4.90		
	5.06				
TBM-522			5.17		
	5.06				
TP-12			4.30		

NAIL IN PVMT. @ DEAN & SOUTHERN

P.K. IN PVMT. DEAN RD

O.K. & SHINER @ DEAN & S.R. 85

X IN HEADWALL @ NW COR DEAN & SR 85

STA	+	HI	−	ELEV.	ADJ
TP-12					
	5,27				
TP-13			4,28		
	6,49				
TP-14			4,81		
	5,53				
TP-15			3,95		
	6,65				
TP-16			3,41		
	8,43				
TP-17			3,81		
	7,16				
TP-18			3,31		
	9,50				
TP-19			0,57		
	6,34				
TP-20			2,44		
	8,70				
PP#278			4,09		

3/21/90

(30)

D SCHWALENSTOCKER $\overline{\wedge}$ $\boxed{\text{II}}$

A SMITH ϕ

PP 312 - PP 311 - PP 312

STA	+	HI	−	ELEV	ADJ.
PP#312				868.26	
	4.86	873.12			
TP-1			5.67	867.45	
	5.00	872.45			
TP-2			5.97	866.48	
	4.88	871.36			
TP-3			5.46	865.90	
	4.91	870.81			
TP-4			5.75	865.06	
	5.18	870.24			
TP-5			5.98	864.26	
	4.97	869.23			
TP-6			5.67	863.56	
	5.00	868.56			
TP-7			5.60	862.96	
	4.89	867.85			
TP-8			5.80	862.05	
	4.68	866.73			
TP-9			5.70	861.03	
	4.71	865.74			
PP#311			5.61	860.13	
	5.83	865.96			
PP#311			5.29	860.67	
	5.13	865.80			
TP-12			4.48	861.32	

M.C.H.D. BCSM in HH @ AIRPORT & BELOIT

M.C.H.D. BCSM in HH @ BELOIT & DEAN

NORTH Rim HH = RANGE ELEV.

STA	+	HI	−	ELEV	ADD.
TP-12				861.32	
	5.88	867.20			
TP-13			4.64	862.56	
	5.44	868.00			
TP-14			4.83	863.17	
	5.72	868.89			
TP-15			5.00	863.89	
	5.76	869.65			
TP-16			5.12	864.53	
	5.89	870.42			
TP-17			5.07	865.35	
	5.73	871.08			
TP-18			5.18	865.90	
	5.97	871.87			
TP-19			4.97	866.90	
	5.52	872.42			
TP-20			4.86	867.56	
	5.63	873.19			
PP#3/2			4.90	868.29	0.03 HIGH

3/21/90

(33)

D SCHWALENSTOCKER $\bar{\lambda}$ $\boxed{\text{II}}$

A SMITH ϕ

PP 282 - PP283 - PP282

STA	+	HI	−	ELEV	ADJ.
PP#282				886.26	
	4.35	890.61			
TP-1			5.13	885.48	
	6.46	891.94			
TP-2			4.62	887.32	
	5.42	892.74			
TP-3			5.25	887.49	
	5.40	892.89			
TP-4			4.55	888.34	
	6.45	894.79			
TP-5			4.11	890.68	
	5.94	896.62			
TP-6			5.51	891.11	
	6.30	897.41			
TP-7			4.98	892.43	
	6.98	899.41			
TP-8			4.28	895.13	
	4.08	899.21			
TP-9			4.39	894.82	
	5.62	900.44			
PP#283			5.82	894.62	
	5.60	900.22			
TBM-523			5.70	894.52	
	5.78	900.30			
TP-12			6.32	893.98	

M.C.H.D. BCSM FLUSH W/PUNT @ PERRYVILLE & SOUTHERN

NAIL IN DIRT RD (SOUTHERN) = PANEL ELEV

BCSM IN CONCRETE U.S. ARMY CORPS OF ENGINEERS @ EDGE OF IRRIGATION DITCH 12.5' S. OF 283

STA	+	HI	-	ELEV	ADJ.
TP-12				893.98	
	6.59	900.57			
TP-13			6.40	894.17	
	3.98	898.15			
TP-14			6.08	892.07	
	4.78	896.85			
TP-15			5.62	891.23	
	5.14	896.37			
TP-16			6.98	889.39	
	4.38	893.77			
TP-17			6.06	887.71	
	5.10	892.81			
TP-18			5.32	887.49	
	4.99	892.48			
TP-19			6.13	886.35	
	4.35	890.70			
TP-20			5.45	885.25	
	4.79	890.04			
PPA 282			3.76	886.28	0.02 HIGH

M.C.H.D. BCSM FLUSH w/PUMT @ PERRYVILLE & SOUTHERN

3/22/90

(36)

D SCHWARENSTOCKER

A SMITH

TBM 520 - PP 317 - TBM 520

JTA	+	HI	−	ELEV.	ADJ.
TBM 520				859.22	
	6.05	865.27			
TP-1			9.41	855.86	
	6.31	862.17			
TP-2			0.41	861.76	
	6.75	868.51			
TP-3			6.63	861.88	
	7.48	869.36			
TP-4			6.33	863.03	
	4.44	867.47			
TP-5			6.65	860.82	
	7.32	868.14			
TP-6			6.79	861.35	
	3.50	864.85			
TP-7			3.25	861.60	
	4.25	865.85			
TP-8			6.12	859.73	
	5.54	865.27			
PPT 317			6.34	858.93	858.91
	6.04	864.97			
TBM 524			2.56	862.41	862.39
	2.71	865.12			
TP-11			4.77	860.35	
	6.10	866.45			
TP-12			6.84	859.61	

40d NAIL @ EDGE AIRPORT RD

NAIL & LATH + RAINBOW PAINT

SET NAIL IN TRUNK OF LARGE TREE 260' EAST OF 317
0.6' ABOVE GROUND

STA	+	HI	-	ELEV	ADJ.
TP-12				859.61	
	6.87	866.48			
TP-13			3.47	863.01	
	3.05	866.06			
TP-14			3.88	862.18	
	5.98	868.16			
TP-15			4.42	863.74	
	3.88	867.62			
TP-16			5.40	862.22	
	5.51	867.73			
TP-17			11.11	856.62	
	5.20	861.82			
TP-18			2.06	859.76	
	4.76	864.52			
TBM 520			5.26	859.26	0.04 HIGH

3/22/90

39

D SCHWAGENSTOCKER ⊼ ⊡

A SMITH ϕ

PP320 - PP319 - PP320

STA	+	HI	−	ELEV	ADJ
PP 320				880.86	
	1.24	882.10			
TP-1			5.90	876.20	
	10.99	887.19			
TP-2			3.03	884.16	
	7.62	891.78			
TP-3			9.23	882.55	
	0.38	882.93			
TP-4			12.51	870.42	
	3.54	873.96			
TP-5			10.91	863.05	
	7.35	870.40			
TP-6			5.82	864.58	
	4.88	869.46			
TP-7			5.63	863.83	
	5.48	869.31			
TP-8			5.00	864.31	
	10.70	875.01			
TP-9			12.57	862.44	
	5.12	867.56			
PP #319			6.89	860.67	
	7.09	867.76			
TBM 525			3.68	864.08	
	3.53	867.61			
TP-12			5.26	862.35	

P.K. in PUNT @ AIRPORT & ELLIOT

NAIL & SHINER - RANDOM RANGE

SET NAIL IN SOUTH SIDE OF ROUGH AXLE EAST OF 319 SOUTH SIDE OF 2 CLOSE TOGETHER

STA	+	HI	−	ELEV.	ADJ.
TP12				862.35	
	12.85	875.20			
TP-13			10.82	864.38	
	4.68	869.06			
TP-14			5.26	863.80	
	5.62	869.42			
TP-15			5.21	864.21	
	5.95	870.16			
TP-16			5.17	864.99	
	9.02	874.01			
TP-17			2.03	871.98	
	4.23	876.21			
TP-18			0.55	875.66	
	12.26	887.92			
TP-19			1.52	886.40	
	3.32	889.72			
TP-20			8.08	881.64	
	0.74	882.38			
TP-21			8.01	874.37	
	9.23	883.60			
PP#320			2.75	880.85	0.01 LOW

3/22/90

42

D SCHWALENSTOCKER T ☒

A SMITH ♀

AP312 - AP307 - AP312

STA	+	HI	−	ELEV	ADJ	
PP#312				868.26		M.C.H.D. BCSM IN HH @ AIRPORT & BELOAT
	6.20	874.46				
TP-1			4.53	869.93		
	6.23	876.16				
TP-2			4.22	871.94		
	4.57	876.51				
TP-3			5.87	870.64		
	5.36	876.00				
TP-4			5.63	870.37		
	5.27	875.64				
TP-5			5.63	870.01		
	5.40	875.41				
PP#307			5.38	870.03	870.02	NAIL IN PVMT. AIRPORT RD
	5.48	875.51				
TP-7			5.29	870.22		
	5.41	875.63				
TP-8			5.13	870.50		
	5.44	875.94				
TP-9			4.97	870.97		
	5.58	876.55				
TP-10			5.37	871.18		
	4.74	875.92				
TP-11			6.08	869.84		
	4.45	874.29				
PP#312			6.01	868.28	0.02 HIGH	

D Schmalenstocker

A Smith

TBM 519 - PP 322 - TBM 519

STA	+	HI	−	ELEV.	ADJ.
TBM 519				886.88	
	3.24	890.12			
TP-1			8.92	881.20	
	10.48	891.68			
TP-2			0.47	891.21	
	4.54	895.75			
TP-3			3.47	892.28	
	8.71	900.99			
TP-4			2.00	898.99	
	8.35	907.34			
PP# 322			4.51	902.83	
	4.93	907.76			
PP# 322			4.38	903.38	
	3.25	906.63			
TP-7			8.28	898.35	
	2.10	900.45			
TP-8			8.48	891.97	
	4.53	896.50			
TP-9			5.56	890.94	
	0.15	891.09			
TP-10			10.28	880.81	
	10.74	891.55			
TBM 519			4.70	886.85	0.03 LOW

3/22/90

(45)

X IN HEADWALL NW COR TUTHILL & ELLIOT

M.C.H.D. BCSM on HH

NORTH RIM HH = PANEL ELEV

3/23/90

(46)

D SCHWALENSTOCKER T

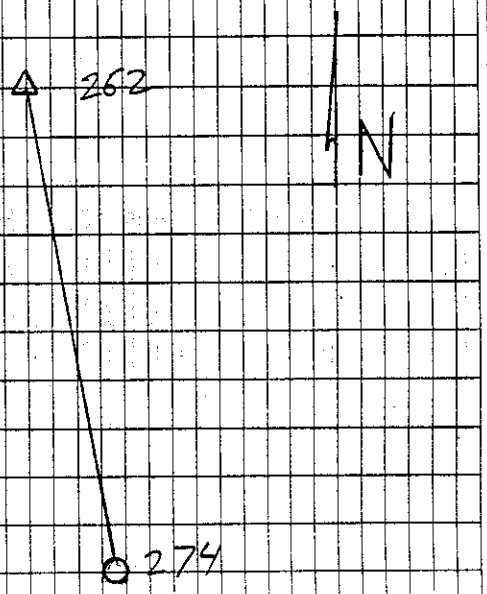
A SMITH II

TRIG LEVEL FROM PP 262

TO PP 274

AT @	PP 262	HI =	6.03
FS	PP 274	HT = 8.39	

	S.D/F	D/H
90-28-45	3623.02	1104.297
269-31-21	3623.02	1104.297
	3623.01	1104.300



PP # 262 - ROD IN HH @ BRASS NAIL & TOTHILL

PP # 274 RR SPIKE

3/23/90

(48)

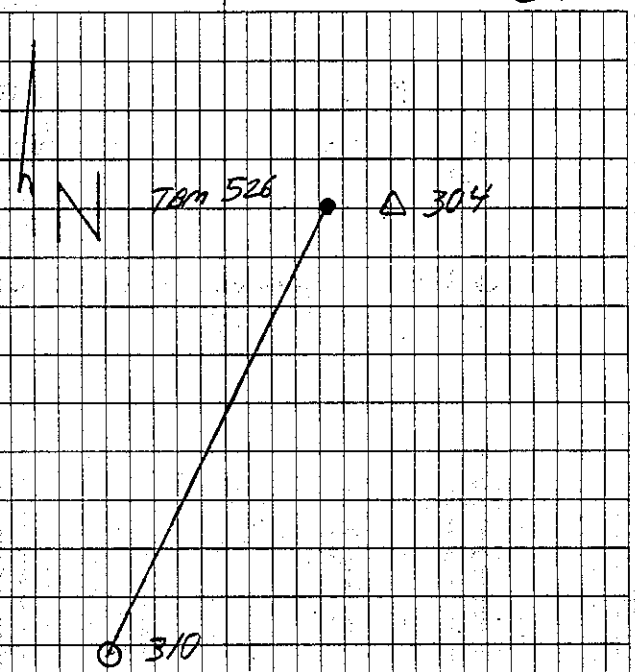
D SCHWALENSTOCKER

A SMITH

TRIG LEVEL AP 304 - AP 310

ST @	+	HI	-	ELEV
PP #304				
	4.99			
TBM 526			5.28	
	5.47			
PP #304			5.18	

T @	TBM 526		HI =	5.41
FS	PP # 310		HT =	8.26
	N/E	SO/E		SO/M
	89-32-19	3065.94		934.503
	270-27-42	3065.96		934.502
		3065.95		934.503



PP 304 RANDOM PANEL NAIL & WASHER

TBM 526 SET NAIL

PP 310 RANDOM PANEL NAIL & LATH

3/23/90

(50)

D SCHWALENSTOCKER ⊼

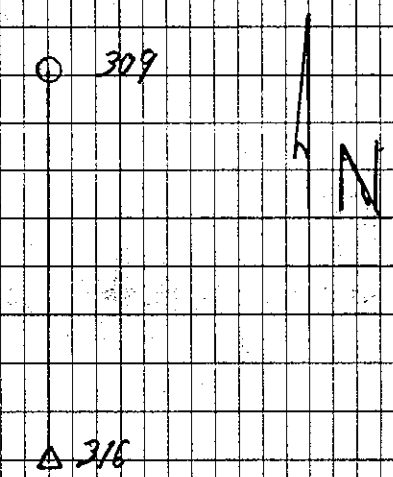
A SMITH [I]

TRIG LEVEL PP 316 - PP 309

π @ PP 316 HI = 5.23

FS PP 309 HT = 8.26

Zn	SD/F	SD/M
91-03-06	1527.42	465 558
268-56-56	1527.42	465 556
	1527.43	465 561



3/23/90

D SCHWALENSTOCKER

A SMITH

DIFFERENTIAL LEVEL PP284 - TP450

TRIG LEVEL TP4507 - PP295

STA	+	HI	−	ELEV	ADJ
BP #284					
	5.11				
TP-1			4.97		
	5.93				
TBM 527			5.21		
	4.93				
TP-3			5.77		
	5.03				
			5.04		0.01 HIGH

NAIL & WASHER @ COTTON & SOUTHERN

$\bar{X}$ @ TBM 527 HI = 5.26

F.S. pp 295 HT = 8.26

ZN	SD/F	SD/M
90-07-15	1291.25	393.571
269-52-50	1291.24	393.572
	1291.24	393.571

TOPO CHECKS
JUNE 27 1990

		Φ B CRUZ
		π J POOR
# 38	N&S	56-57
# 32	N&S	58-59
# 33	N&S	60-61

NORTH #38

PP105 CITRUS & NORTHERN

1½ OP UNDER AC

STA	+	π	−	ELEV
				1189.26
	6 19			
1+00 N			6 32	1189.13
2+00			6 26	1189.19
3+00			6 23	1189.22
4+00			5 88	1189.57
5+00			5 78	1189.67
6+00			5 49	1189.96
7+00			5 33	1190.12
8+00			4 96	119.49
9+00			4 56	1190.89
10+00			4 12	1191.33
11+00			3 63	1191.82
12+00			2 99	1192.46
13+00 N			2 44	1193.01
	2 44			
VIN			6 20	1189.25
				TOL

VIN PP105

STA	+	↑	−	ELEV
				1189.20
	1 74			
1400 S			1 30	1189.70
2+00			2 47	1188.53
3+00			3 18	1187.82
4+00			3 89	1187.11
5+00			4 22	1186.78
6+00			4 70	1186.30
7+00			4 96	1186.04
8+00			5 35	1185.65
9+00			5 85	1185.15
10+00			6 40	1184.60
11+00			7 09	1183.91
12+00			7 41	1183.63
13+00 S			8 12	1182.88
	8 12			
V.I.N.			1 73	1189.87
				+0.01

SOUTH #38 . 57

PP 105 CITRUS & NORTHERN
1" OF UNDERAC

PP 104

STA	+	⊼	−	ELEV	
				1153.06	
	7.83				
1+00 N			7.57	1153.32	
2+00			7.08	1153.81	
3+00			6.64	1154.25	
4+00			6.51	1154.38	
5+00			6.22	1154.67	
6+00			5.31	1155.58	
7+00			4.72	1156.17	
8+00			3.89	1157.00	
9+00			3.08	1157.81	
10+00			2.64	1158.25	
11+00			2.25	1158.64	
12+00			1.77	1159.12	
13+00 N			1.39	1159.50	
	1.39				
			7.83	1153.06	0/0

NORTH #32 58

PP 132 CANEL & BETHANY HOME

1" PIN

PP 132

STA	+	↑	−	ELEV
				1153.06
	1.72			
1+00 S			3.64	1151.14
2+00			3.02	1151.76
3+00			3.95	1150.83
4+00			4.79	1149.99
5+00			4.85	1149.93
6+00			4.80	1149.98
7+00			4.92	1149.86
8+00			5.32	1149.46
9+00			5.59	1149.19
10+00			6.09	1148.69
11+00			6.40	1148.38
12+00			6.92	1147.86
13+00 S			7.03	1147.75
	7.03			
			1.73	1153.05
				1153.06

SOUTH #32 - 59

PP132 CANEL & BETHANY HOME

1" PIN

PP 132

NORTH #33 60

STA	+	±	−	ELEV
				1104.82
	6.59			
1+00 N			6.93	1104.48
2+00			6.60	1104.81
3+00			6.35	1105.00
4+00			6.09	1105.32
5+00			5.62	1105.72
6+00			5.05	1106.36
7+00			4.61	1106.80
8+00			4.23	1107.18
9+00			3.57	1107.84
10+00			2.97	1108.44
11+00			2.48	1108.93
12+00			1.92	1109.48
13+00 N			1.35	1110.16
	1.25			
			6.60	1104.81
				-0.01

PP 134 BC IN HH COTTON & BETHANY HOME

PP 134 ✓

STA	+	⊼	−	ELEV
				1104.82
	1 35			
1+00 S			2 47	1103.70
2+00			3 18	1102.99
3+00			3 65	1102.52
4+00			4 14	1102.03
5+00			4 39	1101.78
6+00			4 63	1101.54
7+00			4 93	1101.24
8+00			5 05	1101.12
9+00			5 29	1100.88
10+00			5 81	1100.36
11+00			6 40	1099.77
12+00			6 92	1099.25
13+00 S			7 73	1098.44
	7 73			
			1 35	1104.82 ~~8~~

SOUTH #33 ⊼

PP 134 BC INH H COTTON & BETHANY HOME

PP 134

STA	+	⊼	−	ELEV	
	5^{07}				
BC 340			5^{63}		BC 340
	5^{66}				
			5^{11}		
	10^{73}		10^{74}		

JUNE 28 1990 Φ BCROZ

~~MC DICK~~ ⊼ SPOOR

PP 15 TO BC 340

ON TOP OF LEVEE

✓ IN PP 15

JUNE 28 1990 ⊕ BCRUZ
JUNE 29 ⊼ JPOOR

#	36.	PG 64
#	40	PG 65
#	41	PG 66
#	47	PG 67-68
#	52	PG 69-70
#	57	PG 71-72
#	60	PG 73
#	63	PG 74
#	58	PG 75
#	59	PG 76
#	48	PG 77-78

STA	+	π	−	ELEV	
	6^{63}			1083^{96}	
0+00			4^{29}	86^{30}	℄ ℄
1+00			7^{07}	83^{52}	
2+00			6^{57}	84^{02}	
3+00			6^{24}	84^{35}	
4+00			5^{55}	85^{04}	
5+00			4^{94}	85^{65}	
6+00			5^{24}	85^{35}	
7+00			5^{66}	84^{93}	
8+00			5^{78}	84^{81}	
9+00			6^{01}	84^{58}	
10+00			6^{19}	84^{40}	
11+00			5^{82}	84^{77}	
12+00			5^{57}	85^{02}	
13+00			6^{34}	84^{25}	
	6^{34}				
✓ IN			6^{61}	83^{98}	✓ ^{02} HIGH

SOUTH #36 64

~~RP 122~~ TBM FLANGE ON TOP OF WELL PIPE GENDALE & REAMS

SHOTS ON DIKE

✓ IN CK IN

STA	+	⊼	−	ELEV
				1103.31
	4 90			
1+00			4 16	1104.05
2+00			4 43	1103.78
3+00			4 81	1103.40
4+00			5 04	1103.17
5+00			5 26	1102.95
6+00			5 62	1102.59
7+00			5 87	1102.34
8+00			6 15	1102.06
9+00			6 49	1101.72
10+00			6 74	1101.47
11+00			7 28	1100.93
12+00			7 70	1100.51
13+00			8 17	1100.04
	8 17			
VIN			4 89	1103.32
				+00

SOUTH #40 - 65

PP 109 NORTHERN & REAMS
BC IN HH

✓ IN PP 109

STA	+	π	−	ELEV	
				1095.12	
	7^{02}				
1+00			6^{18}	1095.96	
2+00			6^{00}	1096.14	
3+00			5^{64}	1096.50	
4+00			5^{43}	1096.71	
5+00			5^{47}	1096.67	
6+00			5^{14}	1097.00	
7+00			4^{99}	1097.15	
8+00			4^{68}	1097.46	
9+00			4^{72}	1097.42	
10+00			4^{36}	1097.78	
11+00			3^{98}	1098.16	
12+00			3^{72}	1098.42	
13+00			3^{08}	1099.06	
	3^{08}				
VIN			7^{02}	1095.12	96

NORTH #41 66

PP 110 BC IN HH NORTHERN & BOLLARD

BC IN HH PP 110

STA	+	℄	−	ELEV
				1138.74
	7.37			
1+00			6.58	1139.53
2+00			6.35	1139.76
3+00			5.93	1140.18
4+00			5.60	1140.51
5+00			5.39	1140.72
6+00			5.07	1141.04
7+00			4.89	1141.22
8+00			4.49	1141.62
9+00			4.32	1141.79
10+00			3.98	1142.13
11+00			3.65	1142.46
12+00			3.48	1142.63
13+00			3.35	1142.76
	3.35			
✓IN			7.35	1138.74
				+0.02

PP 82 : BUILARD & PEORIA 1½" OP

✓IN : PP 82

SOUTH #47 + 68

PP 87 BULLARD & PEORIA 1½ OP

STA	+	π	−	ELEV
				1138.74
	350			
1+00			377	1138.47
2+00			354	1138.70
3+00			423	1138.01
4+00			500	1137.24
5+00			586	1136.38
6+00			736	1134.88
7+00			832	1133.92
8+00			891	1133.33
9+00			899	1133.25
10+00			938	1132.86
11+00			969	1132.55
12+00			987	1132.37
13+00			1046	1131.78
	[illegible]			
V/N	1046		347	1138.77
				+0.03

V/N #PP87

STA	+	T	-	ELEV
				1181.45
	8.35 & 7.65			
		I used 5		
1+00			7.30	81.80
2+00			6.40	82.70
3+00			6.11	82.99
4+00			5.87	83.23
5+00			5.61	83.49
6+00			5.30	83.80
7+00			5.05	84.05
8+00			4.66	84.44
9+00			4.06	85.04
10+00			3.62	85.48
11+00			3.04	86.06
12+00			2.85	86.25
13+00			2.39	86.71
	8.39			
V IN			8.34	
			or 7.64	1181.46

NOTE:

PANEL ELEV IN .70
ABOVE 40D NAIL

PP55 BUIARD & WADELL 40D NAIL UNDER AC

V IN TO 40D NAIL

STA	+	π	−	ELEV
				1181 45
	21 2	07 14 2	ON PANEL	
1+00		USED	2 96	1179 91
2+00			3 34	1179 53
3+00			3 75	1179 12
4+00			4 09	1178 78
5+00			4 32	1178 55
6+00			4 77	1178 10
7+00			5 48	1177 39
8+00			6 26	1176 61
9+00			6 98	1175 89
10+00			7 74	1175 13
11+00			8 59	1174 28
12+00			9 24	1173 63
13+00			10 05	1172 82
	10 05			
VIN			2 0	1185 45

PANEL ELEV IS .70
ABOVE 40D NAIL

SOUTH #52 70

BP 55 BULLARD & WADDELL
40D NAIL UNDER 'A'

STA	+	℄	−	ELEV	
				1225.01	
	6 14				
1+00			6 07	1225.14	
2+00			6 20	1224.95	
3+00			5 99	1225.16	
4+00			5 03	1226.12	
5+00			5 21	1225.94	
6+00			4 90	1226.25	
7+00			6 68	1224.47	
~~8+00~~	6 68				
~~9+00~~			6 14	1225.01	o/o
~~10+00~~		LAKE			
~~11+00~~					
~~12+00~~					
~~13+00~~		AND MODEL HOMES			

NORTH #57

PP 31 BUNARD & BELL

BC IN HH

BC IN HH

STA	+	⊼	−	ELEV
				1225.01
	3 55			
1+00			3 29	1225.27
2+00			4 08	1224.48
3+00			4 20	1224.36
4+00			4 54	1224.02
5+00			4 50	1224.06
6+00			5 14	1223.42
7+00			5 55	1223.01
8+00			5 87	1222.69
9+00			6 32	1222.24
10+00			6 73	1221.83
11+00			7 24	1221.32
12+00			7 80	1220.76
13+00			8 23	1220.33
	8 23			
✓ IN			3 57	1224.99
				± 003

SOUTH #57 - 72

PP 31 BULLARD & BELL

BCIN HH

✓ IN

STA	+	⊼	−	ELEV ✓	
				1245 15	
	6 22				
1+00			6 23	45 14	
2+00			6 10	45 27	
3+00			5 99	45 38	
4+00			5 85	45 52	
5+00			5 55	45 82	
6+00			5 17	46 20	
7+00			4 80	46 57	
8+00			4 51	46 86	
9+00			4 28	47 09	
10+00			3 97	47 40	
11+00			3 49	47 88	
12+00			2 92	48 45	
13+00			2 19	49 18	
	2 19				
✓ IN			6 22	45 15	FLAT

PP 21 BULLARD & UNION HILLS
NAIL & SHINER

✓ IN

STA	+	π	−	ELEV
				1286.82
	6.01			
1+00			8.24	84.59
2+00	✓		8.67	84.16
3+00			8.34	84.49
4+00			8.04	84.79
5+00			7.18	85.65
6+00			6.11	86.72
7+00			6.12	86.71
8+00			5.34	87.49
9+00			4.43	88.40
10+00			3.85	88.90
11+00			3.10	89.73
~~11+00~~	9.03			
~~12~~+00			5.65	93.41
13+00			6.53	92.23
~~13~~	6.53			
			10.41	88.55
	2.05			
V/N			3.61	86.79

WEST 63 74

PP#11 NAIL IN AC GRAND AVE & BEARDSLEY

NORTH #58

STA	+	π	—	ELEV
				120273
	870			
1+00			759	0384
2+00			717	0426
3+00			672	0471
4+00			620	0523
5+00			558	0585
6+00			513	0630
7+00			461	0682
8+00			411	0732
9+00			357	0786
10+00			296	0847
11+00			248	0895
12+00			210	0933
13+00			158	0985
	158			
VIN			870	120273

PP# 33 LITCHFIELD & BELL

BC IN HH

VIN BC PP 33

STA	+	T	—	ELEV	
				1190.22	
	282				
1+00			380	1189.24	
2+00			380	1189.24	
3+00			386	1189.18	
4+00			382	1189.22	
5+00			413	1188.91	
6+00			439	1188.65	
7+00			468	1188.36	
8+00			495	1188.09	
9+00			532	1187.72	
10+00			565	1187.39	
11+00			607	1186.97	
12+00			639	1186.65	
13+00			661	1186.43	
	661				
VIN			282	1190.22	9/6

FP 323 BC IN CONCRETE
DYSHART & BELCRID

VIN BC

48 NORTH 77

PP # 85 BC IN HH DYSHART & PEORIA

STA	+	↑	−	ELEV
				1108 95
	6 55			
1+00			5 60	09 90
2+00			5 44	10.06
3+00			5 21	10 29
4+00			4 97	10 53
5+00			4 65	10 85
6+00			4 46	11 04
7+00			4 00	11 50
8+00			3 89	11 61
9+00			3 74	11 76
10+00			3 50	12 00
11+00			3 23	12 27
12+00			3 04	12 46
13+00			2 74	12 76
	2 74			
V IN			6 54	1108 96

V IN BC PP # 85

#48 South

STA	+	↑	−	ELEV
				110895
	042			
1+00			078	0859
2+00			180	0757
3+00			308	0629
4+00			358	0579
5+00			396	0541
6+00			433	0504
7+00			489	0448
8+00			536	0401
9+00			589	0348
10+00			622	0315
			657	0280
			686	0251
13+00			714	0223
	714			
✓ IN			042	110895

PP #85 BC IN HH DYSHARTE PEAK

✓ IN PP 85 BC IN HH

STA	+	T	−	ELEV
				1149.15
	0.59			
1+00			1.83	47.91
2+00			2.74	47.00
3+00			3.43	46.31
4+00			3.93	45.81
5+00			4.52	45.22
6+00			5.00	44.74
7+00			5.51	44.23
[illegible]			6.16	43.58
[illegible]			6.70	43.04
[illegible]			6.98	42.76
[illegible]			7.14	42.60
12+00			7.44	42.30
13+00			7.75	41.99
	7.75			
V IN			0.60	1149.14

SOUTH ~~NORTH~~ # 53

DYSHART & WADDELL PP58
CAME OFF PANEL

V IN = PP58 PANEL ELEV

STA	+	π	−	ELEV
				1149 15
	6 52			
1+00			5 88	49 79
2+00			5 78	49 89
3+00			5 32	50 35
4+00			4 86	50 81
5+00			4 58	51 09
6+00			4 49	51 18
7+00			4 46	51 21
8+00			4 51	51 16
9+00			4 39	51 28
10+00			4 29	51 38
11+00			4 14	51 53
12+00			4 00	51 67
13+20			3 88	51 79
	3 88			
VIN			6 52	1149 15

NORTH SOUTH #53

80

PP58 DASHART & MADDELL CAME OF PANEL

VIN PP58 CAME OFF PANEL

278					
277					
262	925.51	ROD IN HH			
265	902.30	1/2" I.R.			
316	916.16				
93°	19"				
M	T	W	T	F	
9	11	11 5/			

INDEX OF CURVE AND REDUCTION TABLES

Table I—SLOPE STAKE

Table II—STADIA CORRECTION AND HORIZONTAL DISTANCES

Table III—TRIGONOMETRIC FORMULAE

Table IV—NATURAL TRIGONOMETRICAL FUNCTIONS

CURVE FORMULAE

Table V—TANGENTS AND EXTERNALS TO A 1° CURVE

USEFUL RELATIONS

Table VI—INCHES TO DECIMALS OF A FOOT

Table VII—MINUTES IN DECIMALS OF A DEGREE

Table VIII—MIDDLE ORDINATES OF RAILS

Table IX—SHORT RADIUS CURVES

Table X—RODS IN FEET, 10THS AND 100THS OF FEET

Table XI—LINKS IN FEET, 10THS AND 100THS OF FEET

#9.

WHITE TANKS
TOPO CHECKS

LIETZ
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INDEX

I. WHITE TANKS - PHX.

TOPO CHECKS:

1. 10-10-90 pp. 1 - 16
(- 1300' BOTH DIRECTIONS)
T AV, & ⊥ JP

2. 10-11-90 pp. 17 - 26
T - AV, ⊥ - JP.

STA	+	HI	−	ELEV.	
				1026.56	
	11.27				
H00			11.01	26.76	
2+00			10.10	27.73	
3+00			9.01	28.82	
4+00			7.77	30.06	
5+00			7.42	30.41	
6+00			6.52	31.31	
7+00			5.81	32.02	
8+00			4.94	32.89	
9+00			4.63	33.20	
10+00			3.80	34.03	
11+00			3.15	34.68	
12+00			2.38	35.45	
13+00			1.03	36.80	
	1.15				
			11.40	1026.55	26.55

1.

#29 NORTH

PANEL # 169 - PK. & SHINER @ LITCHFIELD & INDIAN SCHOOL - TOP LINE ON WEST LANE OF PAVEMENT ALONG PALM VEGETATED MEDIAN

0.01 CLOSURE

STA	+	HI	−	ELEV.	
				1026.56	
	1.56	28.12			
1+00			2.01	26.11	
2+00			2.75	25.37	
3+00			3.47	24.65	
4+00			4.00	24.12	
5+00			4.54	23.58	
6+00			5.16	22.96	
7+00			5.76	22.36	
8+00			6.36	21.76	
9+00			7.04	21.08	
10+00			7.60	20.52	
11+00			8.03	20.09	
12+00			8.68	19.44	
13+00			9.49	18.63	
	9.69				
			1.76	1026.56	26.56

#29 SOUTH

PANEL #169 - PK & SHINER @ CUTCHFIELD & INDIAN SCHOOL

- PAVED, WEST LANE

SAME AS NORTH !

- FLAT

#28 NORTH 3

STA.	+	HI	−	ELEV.
				1031.75
	7.93	39.68		
1+00			6.83	32.85
2+00			6.39	33.29
3+00			6.03	33.65
4+00			5.57	34.11
5+00			5.29	34.39
6+00			5.07	34.61
7+00			4.80	34.88
8+00			4.57	35.11
9+00			4.30	35.38
10+00			4.09	35.59
11+00			3.80	35.88
12+00			3.52	36.16
13+00			3.33	36.35
	3.18			
			7.77	1031.76 31.76

PANEL # 1666 — 2" B.C. IN A.H.
@ INDIAN SCHOOL & RIGGINS
PAVED

0.01 CLOSURE

STA	+	HI	−	ELEV.	
				1031.75	
	3.04	34.79			
1+00			2.99	31.80	
2+00			3.17	31.62	
3+00			3.55	31.24	
4+00			3.91	30.88	
5+00			4.15	30.64	
6+00			4.59	30.20	
7+00			4.92	29.87	
8+00			5.27	29.52	
9+00			5.54	29.25	
10+00			5.95	28.84	
11+00			6.33	28.46	
12+00			6.63	28.16	
13+00			7.07	1027.72	27.72
	7.11				
			3.07	31.76	✓ .01 HIGH

#28 SOUTH 4.

PANEL # 166 – 2" B.C. IN H-4.
@ I.S. & REEMS
– PAVED

0.01 CLOSURE

STA	+	HI	−	ELEV.	
				1064.65	
	6.58				
1+00			6.18	65.05	
2+00			6.06	65.17	
3+00			5.85	65.38	
4+00			5.58	65.65	
5+00			5.28	65.95	
6+00			5.04	66.19	
7+00			4.69	66.59	
8+00			4.29	66.94	
9+00			4.13	67.10	
10+00			4.07	67.16	
11+00			3.77	67.46	
12+00			3.41	67.82	
13+00			3.14	68.09	
	3.13				
			6.57	1064.65 FLAT	64.65

p5

#27 NORTH HAND HOLE

PANEL #163 - IRON ERR IN POTHOLE

@ INDIAN SCHOOL & COTTON

- PAVED -

FLAT

STA	+	HI	−	ELEV.	
				1064.65	
-	2.44				
1+00			2.71	64.38	
2+00			3.07	64.02	
3+00			3.45	63.64	
4+00			3.81	63.28	
5+00			4.35	62.74	
6+00			4.75	62.34	
7+00			5.02	62.07	
8+00			5.28	61.81	
9+00			5.72	61.37	
10+00			6.03	61.06	
11+00			6.64	60.45	
12+00			6.98	60.11	
13+00			7.40	59.69	59.69
	7.58				
			2.64	1064.63	64.63
				✓ 02 tow	

#27 SOUTH

PANEL # 163 - IRON BAR IN ~~POTHOLE~~ H-HOLE

@ I.S. & COTTON

- PAVED

0.02 CLOSURE

STA	+	HI	-	ELEV.	
				1110.67	
	2.77				
1+00			3.38	10.06	
2+00			4.04	9.40	
3+00			4.39	9.05	
4+00			4.74	8.70	
5+00			4.94	8.50	
6+00			5.37	8.07	
7+00			5.76	7.68	
8+00			6.04	7.40	
9+00			6.57	6.87	
10+00			7.23	6.21	
11+00			7.68	5.76	
12+00			8.28	5.16	
13+00			8.90	4.54	4.54
	8.86				
			2.71	1110.69	10.69
				✓ .02 HIGH	

#26 SOUTH

PANEL #161 - COTTON SPINEL

@ INDIAN SCHOOL & PERRYVILLE

- PAVED

- 0.02 CLOSURE

STA	+	HI	−	ELEV
				1110.67
	5.14			
1+00			5.64	10.17
2+00			5.81	10.00
3+00			5.96	9.85
4+00			6.15	9.66
5+00			5.82	9.99
6+00			5.46	10.35
7+00			5.13	10.68
8+00			4.84	10.97
9+00			4.53	11.28
10+00			4.24	11.57
11+00			3.83	11.98
12+00			3.42	12.39
13+00			3.22	12.59
	3.34			
			5.27	1110.66
				.01 LOW

H 210 NORTH

PANEL H 161 - COTTON SPINDEL

℄ I.S. & PAVILLE

- ℄ DIRT ROAD

STA	+	HI	−	ELEV.
1				
				1153.06
	8.42	6/53		
1+00			9.10	
2+00			7.81	
3+00			7.36	
4+00			7.24	
5+00			6.95	
6+00			6.05	
7+00			5.42	
8+00				
9+00				
10+00				
11+00				
12+00				
13+00				

SEE BOOK #8

#32 NORTH

PANEL PT. #32 1" I.P. @ PANEL ONLY

- DIRT FARM RD. ON 'WEST' SIDE OF CANAL

STA	+	HI	−	ELEV
				1153.06
	1.64	54.70		
1+00			3.70	
2+00			2.90	
3+00			3.95	
4+00			4.75	
5+00			4.82	
6+00			4.79	
7+00			4.86	
8+00			5.25	
9+00			5.65	
10+00			6.21	
11+00			6.61	
12+00			6.99	
13+00			7.01	47.69
	6.95			
			1.61	53.03

#32 SOUTH

PANEL # 132 - 1" I.P. @ PANEL

- DIRT FARM RD ON 'WEST' SIDE OF CANAL

REPEAT SEE BOOK #8

0.03 CLOSURE

#22 NORTH - P.11

PANEL # 194 - NAIL FLUSH W/ PVMT.
@ SARVAL & McDOWELL
- DIRT ROAD

STA	+	HI	-	ELEV	
				1009.46	
	4.57	14.03			
1+00			6.42	7.61	
2+00			6.08	7.95	
3+00			5.58	8.45	
4+00			5.53	8.50	
5+00			5.66	8.37	
6+00			5.45	8.58	
7+00			5.31	8.72	
8+00			5.10	8.93	
9+00			4.82	9.21	
10+00			4.40	9.63	
11+00			4.36	9.67	
12+00			4.11	9.92	
13+00			3.38	1010.65	10.65
	3.26				
			4.44	1009.47	09.47
				~2' HIGH~	

STA	+	HI	−	ELEV	
				1009.46	
	1.03	10.49			
1+00			0.31	10.18	
2+00			2.76	7.73	
3+00			5.17	5.32	
4+00			6.61	3.88	
5+00			7.25	3.24	
6+00			7.55	2.94	
7+00			7.88	2.61	
8+00			7.98	2.51	02.51
	5.02	7.53			
9+00			5.51	2.02	
10+00			5.59	1.94	
11+00			5.65	1.88	
12+00			5.85	1.68	
13+00			6.13	1.40	01.40
	6.08	7.45			
			4.98	2.50	02.50
	8.02	10.52			
			1.04	1009.48	09.48
				+.02 RIGHT	

#22 SOUTH 12

PANEL #194 - NAIL FLUSH W/PVMT.
+ PAVED
@ SARJAN & McDOWELL

0.02 CLOSURE

PANEL # 231 - 2' R.C. IN H-HOLE @ ARRIVAL & YUMA - PAVED

SOUTH

STA	+	HI	-	ELEV.	
				97 1.25	
	3 47				
1+00			3 13	71 59	
2+00			3 28	71 44	
3+00			3 39	71 33	
4+00			3 63	71 09	
5+00			4 09	70 63	
6+00			4 71	70 01	
7+00			5 04	69 68	
8+00			5 45	69 27	
9+00			5 99	68 73	
10+00			6 79	67 93	
11+00			7 64	67 08	
12+00			8 47	66 25	
13+00			9 02	65 70	65.70
	8 90				
			3 33	97 1.27	71.27
				✓ 02 HIGH	

0 02 CLOSURE

STA	+	HI	−	ELEV.	
				971.05	
	7.75				
1+00			6.76	72.24	
2+00			6.44	72.56	
3+00			6.25	72.75	
4+00			6.05	72.95	
5+00			5.60	73.40	
6+00			5.29	73.71	
7+00			5.05	73.95	
8+00			4.60	74.40	
9+00			4.17	74.83	
10+00			3.81	75.19	
11+00			3.26	75.74	
12+00			2.78	76.22	
13+00			2.27	76.73	76.73
	2.36				
			7.84	971.25	71.25
				↙ FLAT	

#15 NORTH

PANEL # 231 – 2" B.C. IN H-HOLE @ BARVAL & YUMA PAVED

FLAT

STA	+	HI	−	ELEV.	
				906.72	
	10 14				
1+00			7 60	9 26	
2+00			6 95	9 91	
3+00			6 76	10 10	
4+00			6 32	10 54	
5+00			5 86	11 00	
6+00			5 53	11 33	
7+00			5 13	11 73	
8+00			4 59	12 27	
9+00			3 78	13 08	
10+00			2 96	13 90	
11+00			1 87	14 99	
12+00			0 65	16 21	16.21
	5 98				
13+00			4 51	17 68	17.68
	4 55				
			8 51	13 72	
	3 04				
			10 08	906 68	06.68
				✓ 04 LOW	

#9 NORTH P15

PANEL # 267 - NAIL & SHINNER
@ SARIVAL & BROADWAY
- PAVED

0 04 CLOSURE

STA	+	HI	−	ELEV.	
				906.72	
	3.13				
1+00			2.90	6.95	
2+00			4.68	5.17	
3+00			5.18	4.67	
4+00			5.23	4.62	
5+00			5.45	4.40	
6+00			5.18	4.67	
7+00			5.48	4.37	
8+00			5.59	4.26	
9+00			5.56	4.29	
10+00			5.14	4.71	
11+00			5.25	4.60	
12+00			4.31	5.54	
13+00			4.72	5.13	905.13
	4.51				
			2.89	906.75	6.75
				✓ .03 HIGH	

#9 7 KES 10-W SOUTH 16

PANAL #26 - NAIL & SHINNER
@ SARIVAL & BROADWAY
- DIRT ROAD

- 0.03 CLOSURE

STA	+	HI	−	ELEV.	
				1028.00	
	9.78	37.84			
1+00			8.55	29.29	
2+00			7.88	30.01	
3+00			7.19	30.65	
4+00			6.28	31.56	
5+00			5.48	32.36	
6+00			5.02	32.82	
7+00			4.64	33.20	
8+00			4.22	33.62	
9+00			3.77	34.07	
10+00			3.33	34.51	
11+00			2.99	34.85	
12+00			2.70	35.14	
13+00			2.00	35.84	35.84
	2.03				
			9.79	928.08	28.08
				−.02 HIGH	

#4 NORTH

PANEL # 192 - 2" B.C. IN H-HOLE

@ CITRUS & McDOWELL

- PAVED

.02 CLOSURE

STA	+	HI	−	ELEV.	
				1028.06	
	2.16				
1+00			2.18	28.04	
2+00			2.68	27.54	
3+00			3.31	26.91	
4+00			3.88	26.34	
5+00			4.42	25.80	
6+00			5.10	25.12	
7+00			5.70	24.52	
8+00			6.30	23.92	
9+00			6.95	23.27	
10+00			7.65	22.57	
11+00			8.25	21.97	
12+00			8.83	21.39	
13+00			9.42	20.80	20.80
	9.66				
			2.40	1028.96	28.06
				✓ FLAT	

#21 SOUTH

PANEL #192 - 2" B.C. IN 4-HOLE

@ CITRUS & McDOWELL

- PAVED

FLAT

#14 NORTH

PANEL #229 - 2" B.C. IN H-HOLE

@ CITRUS & YUMA

- PAVED

STA	+	HI	-	ELEV	
				973.89	
	7.81				
1+00			7.00	74.68	
2+00			6.05	75.03	
3+00			4.47	77.21	
4+00			6.20	75.48	
5+00			5.79	75.89	
6+00			5.42	76.26	
7+00			4.92	76.76	
8+00			4.27	77.41	
9+00			3.44	78.24	
10+00			2.78	78.90	
11+00			2.07	79.61	
12+00			1.31	80.37	
13+00			0.64	81.04	81.04
	0.46				
			7.61	973.89	73.89
				+.02 HIGH	

0.02 ELEVATE

STA	+	HI	−	ELEV	
				973.87	
	0.56				
1+00			1.68	72.75	
2+00			2.73	71.70	
3+00			3.75	70.68	
4+00			4.57	69.86	
5+00			5.56	68.87	
6+00			6.35	68.08	
7+00			6.92	67.51	
8+00			7.27	67.16	
9+00			7.84	66.59	
10+00			8.34	66.09	
11+00			9.11	65.32	
12+00			9.93	64.50	
13+00			10.60	63.83	63.83
	10.85				
			0.79	973.89	73.89
				✓.02 HIGH	

#14 SOUTH P.20

PANEL # 229 – 2" B.C. IN H-HOLE

@

CITRUS & YUMA

– PAVED

0.02 CLOSURE

#8 NORTH

STA	+	HI	−	ELEV	
				902.30	
	7.01				
1+00			6.87	2.44	
2+00			6.64	2.67	
3+00			6.23	3.08	
4+00			5.99	3.32	
5+00			5.56	3.75	
6+00			5.20	4.03	
7+00			4.97	4.34	
8+00			4.65	4.66	
9+00			4.33	4.98	
10+00			3.90	5.41	
11+00			3.12	6.19	
12+00			2.37	6.94	
13+00			1.42	7.89	07.89
	1.19				
			6.78	902.30	902.30
				✓ FLAT	

PANEL # 2165 - ½" G.P. IN POTHOLE @ CITRUS & BROADWAY - PAINTED

FLAT

STA	+	HI	−	ELEV.	
				902.30	
	4.10				
1+00			4.53	1.87	
2+00			4.59	1.81	
3+00			4.64	1.76	
4+00			5.02	1.38	
5+00			5.26	1.14	
6+00			5.39	1.01	
7+00			5.62	0.78	
8+00			5.84	0.56	
9+00			6.13	0.27	
10+00			6.16	0.24	
11+00			6.56	99.84	
12+00			6.72	899.68	899.68
13+00	DID NOT DO DROPS OFF!				
	6.76				
			4.15	902.29	02.29
				v.01 LOW	

8 SOUTH

PANEL # 265 – 1" O.P. IN POTHOLE @ CITRUS & BROADWAY – DIRT (CANAL ON ℄) SHOT ROAD ℄ ON EAST SIDE OF CANAL.

– 0.01' CLOSURE

STA	+	HI	-	ELEV	
				868.26	
	7.24				
1+00			6.24	69.26	
2+00			5.86	69.64	
3+00			5.65	69.85	
4+00			5.40	70.10	
5+00			5.19	70.31	
6+00			4.98	70.52	
7+00			4.76	70.74	
8+00			4.56	70.94	
9+00			4.30	71.20	
10+00			3.99	71.51	
11+00			3.61	71.89	
12+00			4.02	71.48	
13+00			4.37	71.13	71.13
	4.23				
			7.20	868.26	68.26
				✓FLAT	

#1 NORTH

P.23

PANEL # 312 - 2" B.C. IN H-HOLE

@ AIRPORT RD & BELOAT

- PAVED

FLAT

#1 SOUTH

PANEL # 312 - 2' B.C. IN H-HOLE

@ AIRPORT & BELOIT

STA	+	HI	-	ELEV.	
				868.26	
	1.07				
1+00			1.21	68.12	
2+00			1.73	67.60	
3+00			2.19	67.14	
4+00			3.50	65.83	
5+00			5.01	63.72	
6+00			7.75	61.58	
7+00			9.09	60.24	
8+00			9.12	60.21	860.21
	7.17				
9+00			6.95	60.43	
10+00			6.44	60.89	
11+00			5.87	61.51	
12+00			6.00	61.38	
13+00			6.33	61.05	861.05
	6.14				
			6.97	60.22	860.22
	9.92				
			1.92	868.28	868.28
				.02 HIGH	

0.02 CLOSURE

STA	+	HI	−	ELEV	
				879.92	
	7.19				
1+00			8.03	79.07	
2+00			7.84	79.26	
3+00			7.80	79.30	
4+00			7.71	79.39	
5+00			7.47	79.63	
6+00			7.41	79.69	
7+00			7.34	79.76	
8+00			7.21	79.89	
9+00			7.33	79.77	
10+00			7.01	80.09	
11+00			7.01	80.09	
12+00			6.89	80.21	
13+00			6.51	80.59	880.59
	6.57				
			7.21	879.95	879.95
				✓.03 HIGH	

#2 NORTH P.25

PANEL #314 - NAIL & SHINER IN PVMT.
@ JACK RABBIT & BELOAIT
- PAVED IN A CURVE! ...
NOTE → TOOK SHOTS ON WEST EDGE ON PVMT. @ WHITE LINE DUE TO HEAVY TRAFFIC!

.003 closure

STA	+	HI	-	ELEV.	
				879.92	
	4.69				
1+00			5.59	79.00	
2+00			5.51	79.08	
3+00			5.77	78.82	
4+00			5.28	79.31	
5+00			5.35	79.24	
6+00			5.54	79.05	
7+00			5.62	78.97	
8+00			5.72	78.87	
9+00			5.80	78.79	
10+00			5.92	78.67	
11+00			5.93	78.66	
12+00			5.97	78.62	878.67
	5.91				
			4.60	879.93	879.93
				VOL HIGH	

VOL #2 SOUTH

PANEL #314 - NAIL & SHINER IN PVMT.

@ JACKRABBIT & BELOAT

- PANCO 'ON CURVE' ...

NOTE - SHOTS TAKEN ON WHITE LINE @ EDGE OF PVMT. ON WEST SIDE!

01 CLOSURE

STA	+	HI	-	ELEV

50°
CLOUDY
WINDY

3-27-91
B CRUZ |
J FOOS ☆ ☐

HV95 TO HV97

DOWN ℄ TRACKBED

55'± NORTH OF SEC LINE
PROFILE #64

PENTEX AL-M5c
SER# 613337

PROFILE #64

HV 95 BRASS CAP IN HAND HOLE
REEMS RD. & OLIVE AVE

HEADING EAST DOWN ℄
RAIL ROAD BED

STA	+	HI	−	ELEV.
0+00				1124.83
	3.85	23.68		
5+00			5.15	23.53
	3.49	27.02		
10+00			4.97	22.05
	3.87	25.92		
15+00			5.40	20.52
	4.26	24.78		
20+00			5.21	19.57
	4.19	23.76		
25+00			4.87	18.89
	3.48	22.37		
30+00			5.07	17.30
	3.89	21.19		
35+00			4.62	16.57
	3.35	19.92		
40+00			3.68	16.24
	2.27	18.51		
45+00			4.06	14.45
	2.89	17.34		
50+00			3.87	13.47

STA	+	HI	−	ELEV
				13.47
	3 3L			
		16.78		
52+50 ±			3 66	1113.12

HV97 "X" TOP CONCRETE HEADWALL N.E CORNER OF BULLARD AVE & OLIVE AVE

0.03 LOW

STA	+	HI	-	ELEV

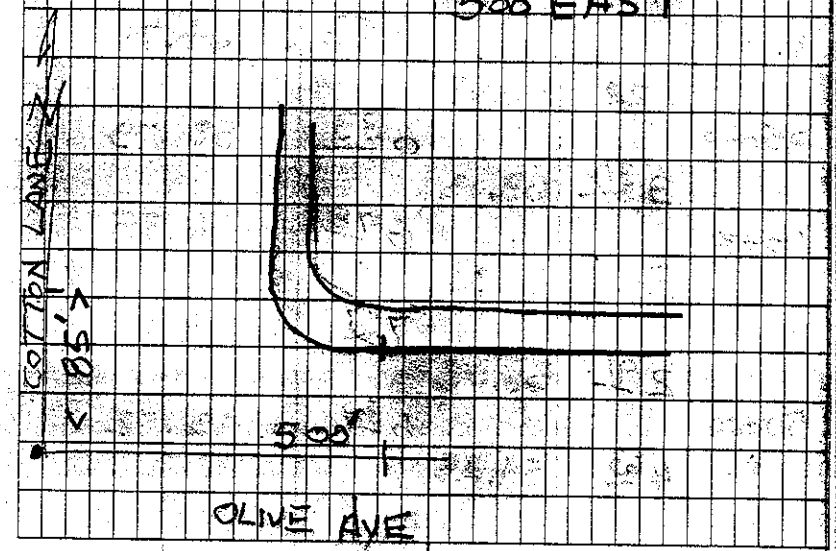
Cloudy
Cool

3-28-91
B CRUZ ϕ
J DOOR ⊼ ⊟

RM 93 TO RM 94

DOWN ℄ TRACK BED
PROFILE #65

STARTED 85' NORTH
500' EAST



PROFILE #65

R.M 93 BRASS CAP IN HAND HOLE COTTON LN & OLIVE AVE

STA	+	HI	−	ELEV
0+00				1182.40
	2 93	85.33		
5+00			6 70	78.63
	3 56	82.19		
10+00			7 29	74.90
	4 24	79.14		
15+00			7 66	71.48
	4 81	76.29		
20+00			7 59	68.70
	5 14	73.84		
25+00			7 16	66.68
	4 58	71.26		
30+00			6 52	64.74
	1 88	66.62		
35+00			6 83	59.79
	3 34	63.13		
40+00			6 78	56.35
	3 95	60.30		
45+00			7 19	53.11
	2 91	56.02		
50+00			6 30	49.72
	4 63	54.35		

"NOTE"
GRADE BREAK
32+20 ±

STA	+	HI	−	ELEV.
		54.35		
52+75	...		5.34	1149.01

RM 9.4 5/8" IRON PIPE IN HOLE
SARIVAL AVE & OLIVE AVE

0.07 LOW

STA	+	HI	−	ELEV.
0+00				1043.92
	4 16	48.08		
5+00			5 05	43.03
	5 15	48.18		
10+00			4 71	43.47
	4 34	47.81		
15+00			3 34	44.47
	5 45	49.92		
20+00			5 76	44.16
	5 33	49.49		
25+00			5 91	43.58
	4 97	48.55		
30+00			5 07	43.48
	5 46	48.94		
35+00			4 94	44.00
	4 73	48.73		
40+00			4 78	43.95
	5 32	49.27		
45+00			4 75	44.52
	5 56	50.08		
50+00			5 13	44.95
	4 51	49.46		
55+00			5 19	44.27

PROFILE #66 + P: 33

RM 157 BRASS CAP FLUSH W/PAVEMENT
DYSART RD. & CAMELBACK RD

RUN DOWN ℄ NORTH SIDE
OF CANAL

STA	+	HI	−	ELEV.	
				44.27	
	5 08	49.35			
60+00			5 18	44.17	
	4 71	48.94			
65+00			4 81	44.13	
	4 79	48.92			
70+00			4 65	44.27	
	5 33	49.60			
75+00			4 94	44.66	
	5 31	49.97			
80+00			4 97	45.00	
	1 67	46.67			
85+00			7 07	39.60	
	3 09	42.69			
89+16			6 17	1036 52 ✓	

NOTE
STA 78+80 END OF CAUSEL
HEADING EAST DONE ℄
TO RM # 143

RM 143 1/2 IRON PIPE IN HOLE
EL MIRAGE RD & BETHANY HOME RD

0.08 HIGH

STA	+	HI	−	ELEV
0+00				1012.47
	377	16.24		
5+00			557	10.67
	322	13.89		
10+00			533	08.56
	372	12.28		
15+00			500	07.28
	288	10.16		
20+00			472	05.44
	447	09.91		
25+00			472	05.19
	450	09.69		
30+00			512	04.57
	480	09.37		
35+00			490	04.47
	494	09.41		
40+00			486	04.55
	863	13.18		
45+00			258	10.60
	067	11.27		
50+00			558	05.69
	464	10.33		
55+00			471	05.62

TO ?

R.M.20 BRASS CAP IN HAND HOLE PERRYVILLE RD & VAN BUREN ST

PROFILE #67

NOTE 45+00 is ℄ VAN BUREN & NORTH CANEL RD

STA	+	HI	−	ELEV
				05.62
	5 14	10.76		
60+00			4 91	05.85
	5 04	10.89		
65+00			4 79	06.10
	4 50	10.60		
70+00			5 04	05.56
	7 59	13.15		
75+00			8 81	04.34
	0 22	04.56		
78+07			5 06	999.50

STA	+	HI	-	ELEV

CLEAR
COOL

RM226 TO RM 208

B CRUZ ϕ
J POOR ⊼ □□

RUN SOUTH TO NORTH
DOWN TOP OF DIKE

PROFILE #68

STA	+	HI	−	ELEV
0+00				1006.24
	7 34	13.58		
5+00			1 90	11.68
	8 55	20.23		
10+00			3 96	16.27
	6 41	22.68		
15+00			3 22	19.46
	6 91	26.37		
20+00			3 13	23.24
	6 90	30.14		
25+00			2 85	27.29
	6 72	34.01		
30+00			2 63	31.38
	6 23	37.61		
35+00			2 84	34.77
	6 97	41.74		
40+00			2 55	39.19
	6 68	45.87		
45+00			3 70	42.17
	6 38	48.55		
50+00			5 04	43.51
	4 91	48.42		
52+55			3 76	1044.66 ✓

RM 226
3/8 IRON PIN IN HOLE TUTHILL & YUMA RD

50+00 NOT ON DIKE

RM 208 COTTON PICKER SPINDLE IN P.P. TUTHILL RD & VAN BUREN RD
.005 HIGH

PROFILE #69

Rm 278 X IN NE CORNER OF WELL PAD DEAN RD & SOUTHERN

STA	+	HI	-	ELEV
0+00				899.24
	3 37	902.61		
5+00			6 21	96.40
	5 14	01.54		
10+00			4 94	96.60
	4 54	01.14		
15+00			4 56	96.58
	6 09	02.67		
20+00			5 51	97.16
	7 49	04.65		
25+00			6 77	97.88
	5 80	03.68		
30+00			5 74	97.94
	5 75	03.69		
35+00			5 73	97.96
	6 38	04.34		
40+00			6 27	98.07
	7 06	05.13		
45+00			6 43	98.70
	6 50	05.20		
50+00			5 85	99.35
	6 26	05.61		
55+00			5 24	900.37

STA	+	HI	−	ELEV
				900.37
	5 25	905.62		
60+00			9 13	896.49
	1 91	98.40		
65+00			5 73	92.67
	3 51	96.18		
70+00			5 77	90.41
	4 21	94.62		
75+00			4 55	90.07
	5 51	95.58		
80+00			5 03	90.55
	4 66	95.21		
85+00			5 28	89.93
	5 03	94.96		
90+00			4 87	90.09
	4 56	94.65		
95+00			4 98	89.67
	5 56	95.23		
100+00			4 62	90.61
	4 45	95.06		
105+00			5 40	89.66
	5 35	95.01		
110+00			5 04	89.97

℄ AIR PORT RD GOING SOUTH

℄ CANAL ROAD NORTH SIDE

STA	+	HI	−	89.97 ELEV
	5.33	95.19		
115+00			5.14	90.05
	4.58	94.63		
120+00			5.06	89.57
	5.02	94.59		
125+00			2.49	92.10
	8.34	900.44		
131+50			1.19	899.25 ✓

℄ DEAN going NORTH

RM 278 X IN NE CORNER OF WELL PAD DEAN RD & SOUTHERN AVE

STA	+	HI	−	ELEV
0+00				910.17
	3 20	13.37		
5+00			4 78	08.59
	6 16	14.75		
10+00			6 18	08.57
	6 83	15.40		
15+00			6 42	08.98
	7 62	16.60		
20+00			5 42	11.18
	4 85	16.03		
25+00			3 46	12.57
	5 42	17.99		
30+00			3 64	14.35
	5 70	20.05		
35+00			4 40	15.65
	4 20	19.85		
40+00			3 80	16.05
	4 59	20.64		
45+00			3 48	17.16
	4 87	22.03		
50+00			3 18	18.85
	6 00	24.85		
55+00			7 99	16.86
	2 50	19.36		
62+30			6 17	913.19 ✓

R.M. 267 –

X ON CONCRETE BASE P.P.
AT N.E. CORNER INTERSECTION
SARIVAL AVE. & BROADWAY Rd.

RUN DOWN ℄ TRACK 5

20+00 TOP of RAIL

PROFILE #71

℄ ESTELLA PARKWAY

RM 269 B.C. IN H.H. ESTELLA PARKWAY
BROADWAY 0.01 HIGH

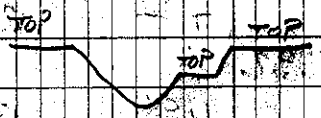
STA	+	HI	−	ELEV
0+00				913.18
	4.61	17.79		
5+00			5.02	12.77
	3.71	16.48		
10+00			4.90	11.58
	4.54	16.12		
15+00			4.95	11.17
	5.21	16.38		
20+00			4.72	11.66
	4.44	16.10		
25+00			5.29	10.81
	4.59	15.40		
30+00			6.00	09.40
	1.34	10.74		
35+00			5.33	05.41
	4.59	10.00		
40+00			4.74	05.26
	5.79	11.05		
45+00			6.40	04.65
	4.37	09.02		
50+00			5.78	03.24
	5.35	08.59		
55+00			4.28	04.31
	5.39	09.70		
60+00			5.14	04.56

RM 269 BRASS CAP IN HAND HOLE ESTRELLA PARKWAY & BROADWAY RD

RUN DOWN ℄ ESTRELLA PARKWAY TO CANAL

PROFILE #70

E N SIDE CANAL "NOTE" RAN ON TOP OF BANK NEAREST CANAL CHANNEL



STA	+	HI	−	ELEV
				04.56
	4 80	09.36		
65+00			6 10	03.26
	4 04	07.30		
70+00			4 94	02.36
	9 05	11.41		
75+00			4 61	06.80
	5 47	12.27		
80+00			4 64	07.63
	5 53	13.16		
85+00			3 18	09.98
	5 74	15.72		
90+00			4 51	11.21
	5 86	17.07		
95+00			4 35	12.72
	5 20	17.92		
100+00			4 04	13.88
	5 36	19.24		
105+00			5 88	13.36
	4 71	18.13		
110+00			6 71	11.42
	3 78	15.20		
115+00			4 38	10.82
	5 42	16.24		
120+00			4 57	11.67

BEGIN CURVE
RETURN LOOP ON TOP BANK

END BANK RETURN DOWN ℄ OF ESTRELLA PARK WAY ON SAME STATIONS

STA	+	HI	−	ELEV
				11.67
	4 93	16.60		
125+00			5 41	11.19
	4 96	16.15		
130+00			4 54	11.61
	5 12	16.73		
135+00			3 94	12.79
	4 64	17.43		
140+00			4 24	913.19 ✓

RM 269 BRASS CAP IN HAND-HOLE ESTRELLA PARKWAY & BROADWAY

0.01 HIGH

STA	+	HI	−	ELEV
0+00				1012.30
	4 16	16.46		
5+00			5 69	10.77
	6 22	16.99		
10+00			4 94	12.05
	4 97	17.02		
15+00			6 25	10.77
	5 90	16.67		
20+00			4 94	11.73
	5 51	17.24		
25+00			4 47	12.77
	4 28	17.05		
30+00			5 07	11.98
	4 54	16.52		
35+00			4 71	11.81
	5 62	17.43		
40+00			5 24	12.19
	4 98	17.17		
43+95			1 93	1015.24 ✓
	4 83			
			4 34	1015.73

FOUND V-182 HUB
STARTED HERE WENT WEST
TO BEGINING OF CURVE THEN
BACK TO THE PANEL OF RM183

RETURNING HEADING EAST ALSO STA 5+00

PROFILE #72

PANEL 183

X ON SOUTH WEST CORNER BRIDGE

#10

WHITE TANKS

LIETZ

SINCE 1882

TRANSIT FIELD BOOK

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INDEX

WHITE TANKS

1. 'ELEVATION TRANSFERS'
- MOVED BM's FROM PANELS TO PERMANENT STRUCTURE NEARBY. pp 1-6
T-AV & L-JP. 10-(10/11)-90

2.

48-51 LEVEL CHECKS BY DIRK MILLER FOR PTS 305 & 306

STA	+	HI	−	ELEV.
BM				1110.67
	5.19			
			4.08	11 11.78
	4.31			
			5.42	10.67

10-10-90

PANEL # 1161

- COTTON SPINDEL @ INT. OF INDIAN SCHOOL & PERRYVILLE

- TRANSFERED TO TOP/IRR. CANAL JUNCTION BOX. 'X' ON TOP OF CONC. @ SOUTHEAST COR. INT.

STA.	+	HI	−	ELEV
BM.				1009.46
	4.49			
			1.62	1012.325
	1.18			
			4.06	999.45

10-10-90

PANEL # 194

- HALF @ INT. 'FLUSH' W/ PVMT. @ INT. SARIVAL & MCDOWELL

- TRANSFERED TO 'X' ON TOP OF CANAL HEADWALL @ SOUTHEAST COR. OF INT.

	+	HI	−	ELEV.
BM.				937.31
	6.44			
			5.91	937.84
	5.86			
			6.39	937.31

10-11-90

PANEL # 247 @ CITRUS & LOWER BUCKEYE

- NAIL IN POTHOLE

- TRANSFERRED TO 'X' ON TOP OF CONC. IRR. CANAL JUNCTION @ SOUTHWEST COR. OF INT.

	+	HI	−	ELEV
BM.				941.62
	5.40			
			4.34	942.68
	4.21			
			5.27	941.62

10-11-90

PANEL # 2446 @ FERNVILLE & LOWER BRIDGE

- P.K. NAIL IN CONC. 'FLUSH'

- TRANSFERED TO 'P.K. NAIL IN HEADWALL OF IRR. CANAL @ SOUTHWEST COR. OF INT.

10-11-90

PANEL #264 @ BROADWAY & PERRYVILLE

	+	HI	−	ELEV.
BM.				909.21
	4.43			
			3.54	910.095 ADJ.
	3.21			
			4.09	909.22

− 'X' ON CONC. @ ℄ ROAD (DEPRESSED 0.30 BELOW PVMT.)

− TRANSFERED TO 'X' ON HEADWALL OF IRR. CANAL @ SOUTHWEST COR. (EAST END OF HEADWALL) OF INT.

10-11-90

PANEL # 196 @ REAMS & MCDOWELL

	+	HI	-	ELEV.
BM.				1002.84
	4.84			
			5.15	1002.53
	4.91			
			4.60	1002.84

- P.K. NAIL w/ SHINER

- TRANSFERED TO 2" B.C. IN HAND-HOLE JUST SOUTH OF INTERSECTION. (7.45')

BM	+	HI	-	ELEV	NOTES:
997.45	4.08				PANEL Rt. #197
			3.01		
	2.75			998.52	BM — "X" on Hdwall wing SE Corner Bullard & McDowell
			3.82		
					#197

$\boxed{998.52}$

BM	+	HI	−	ELEV	NOTES
1056 41	3 95				PK — # 178 panel
			2 87	1057 49	"□" IN ℄ Top Adwall WESTSIDE OF THOMAS at CITRUS Rd.
	2 66				1057 49
			3 75	1056 40	BM

BM	+	Ht	−	Elev	Notes
1124 38	362				PK
			293	1125 07	
	281				
			350	1124 38	

#1960 PANEL

40d NAIL IN POWER POLE (PS 177171)
(SOUTHWEST QUAD)
AT N.E. CORNER THOMAS & 195 AVE
(SW QUAD)

1125 07

BM	+	HI	−	ELEV	NOTE
1184 82	4 91				PK
			4 05	+ 1185 68	TBM
	3 85				
			4 74	1184 82	* 147

PANEL PT. 147

40d NAIL IN WEST FACE POWER POLE
45'± S.E. OF PANEL

BM	+	HI	−	ELEV	NOTE
1109.70	3.25				PANEL
			4.05	1108.90	TBM
	3.79				
			2.99	1109.70	#149

Pt #149 P.K.

"□" CHISELED IN TOP OF HEADWALL @ N.E. CORNER CITRUS & CAMELBACK

1108.90

BM	+	HI	−	ELEV	NOTE
~~1218 24~~					
1217 91	5 52				PANEL
			4 60	1218 83	TBM
	4 40				
			5 32	1217 91	#104

VA #104 (NAIL PUNCH)

"□" CHISELED IN CONC. BASE ELEC. TRANSFORMER WSC 363
SE CORNER NORTHERN & PERRYVILLE
1218 83

BM	+	HI	−	ELEV	NOTE
1216 40	4 78				Panel
			4 03	1217 13	TBM
	3 70				
			4 45	1216 40	#92

#92 (P.K.)

"X" & Hdwall (Top) S.E CORNER CITRUS & OLIVE

1217 15

BM	+	HI	-	ELEV	NOTE
1242.68	2.37				PANEL
			3.44	1241.61	
	3.16				
			2.09	1242.68	#77

Pt #77

TBM IN POWER POLE (40d NAIL SW FACE)
#60A
N.E. OF ℄ PEORRIA & CITRUS
1241.61

BM	+	HI	−	ELEV	NOTE
1260 13	4 31				
			4 53	+ 1259 91	
	4 36				
			4 14	1260 13	#64

Panel Pt. 64 5/8" REBAR

"□" CHISELED ON CONC. BASE OF ELEC. TRANSFORMER BOX WELL 722

1259 91

BM	+	HI	−	ELEV	NOTE
1	1290.13	5.06			PANEL
			3.44	1291.75	TBM
	3.61				
			5.23	1290.13	# 36

36 NAIL & SHINER

P.K. NAIL IN TOP HDWALL
NE CORNER CITRUS & GREENWAY

BM	+	HI	−	ELEV	NOTE
1265.12	4.41				PANEL
			4.27	1265.26	TBM
	3.83				
			3.97	1265.13	# 37

RR #37

"X" IN TOP CONC. HDWALL
SE CORNER GREENWAY & COTTON
1265.26

BM	+	HI	−	ELEV	Note
1181.45	3.95				
			3.42	1181.98	TBM
	3.60				
			4.13	1181.45	# 55

PANEL PT 55 P.K.

½" EBBAR IN TOP CONC. HDWALL
N.W. CORNER BULLARD & MEADOW

BM	+	#1	-	BLEU	Note
1206 17	387				
			306	1206 38	
	346				
			467	1205 17	# 54

Panel # 54

"X" on top conc. Headwall
S.E. corner Waddell & Reems

BM	+	HI	-	ELEV	NOTE
1149.15	3.28				
			4.24	1148.19	TBM
	4.01				
			3.05		#58

Panel Pl #58

"□" Chiseled in Top Adwall
SE CORNER WADDELL & DYSART

BM	+	Hi	-	ELEV	NOTE
1127^{70}	2^{73}				PANEL
			3^{62}	1126^{81}	TBM
	3^{46}				
			2^{57}	1127^{70}	#72

Pt #72

"□" CHISELED IN TOP HDWALL
N.W. CORNER DYSART & CACTUS

$\boxed{1126^{81}}$

BM	+	HI	−	ELEV	NOTE
1169 69	4 42				
			3 43	1170 68	TBM
	3 23				
			4 22	1169 69	#67

Panel Pt #67

"□" CHISELED Top Hdwall
S.W. Corner Reems & Cactus

1170 68

BM	+	HI	−	ELEV	NOTES
111218	506				
			409	113 15	TBM
	388				
			485	111218	# 97

PANEL AT #97

"X" TOP CONC. WALL
NE CORNER BALLARD & OLIVE
113 15

Bm	+	HI	−	ELEV	NOTES
1326.72				1361.60	
	5.15				
			5.71	1361.04 / 1326.16	
	5.52				
			4.96	1361.60 / 1326.72	

#15

PP #~~16~~ ~~CITRUS~~ & ~~UNION HILLS~~ L.S

MARICOPA FLOOD CONTROL BC NUMBER #340

CK IN PP #16

NOTE

PP ~~#16~~ #15 & BC #340 ARE ON TOP OF LEVEE (M. Micken Dam)

RECOFED ELEVATION FOR #340 = 1360.98

BM	+	HI	−	ELEV
1064.47				
	4.68			
			4.92	1064.23
	4.81			
			4.57	1064.47

PP 128 GLENDALE NEAR BRIDGE

CHISELED IN CURB NEXT TO STORM DRAIN NE OF PP 128 (45') INLET

BM	+	HI	−	ELEV
1027 45				
	352			
			708	1023.89
	714			
			358	1027.45

PP# 158 CAMELBACK EAST OF EL MIRAGE NAIL & SHINER

CHISELED X IN 42" CMP CONCRETE DIKE

CHECK IN PP# 158

DESCRIPTION:

"X" IN GUNITE HEADWALL, WEST SIDE OF DRIVEWAY ENTRANCE, NORTH SIDE OF CAMELBACK APPROX. 1320' EAST OF EL MIRAGE

BM	+	HI	−	ELEV
944.08				
	8.45			
			6.91	945.62
	7.06			
			8.60	944.08

PP 252 NAIL & SHINER
LOWER BUCKEYE & BULLARD

RE-BAR IN HEAD WALL
90± N.W. OF PP 252

CHECK IN PP 252

BM	+	HI	−	ELEV
1039 04				
	5 17			
			6 46	1037 75
	6 26			
			4 97	1039 04

PP 224 SCREW IN AC
YUMA & DEAN

TOP OF
↑ AT&T WARNING POLE SE of PP
75' STA 3713+80

CHECK IN TO PP224

BM	+	HI	−	ELEV
1096 65				
	561 5			
			407	1098 19 5
	373			
			573	1096.65

PP206 NAIL & SHINER
VAN BUREN & DEAURD

BM IS ON TOP OF "T" POST NEXT TO SEC COR (Cedar at corner)
"T" POST IS 4± UNDERGROUND
FELT THIS IS A SUITABLE BM
"T" POST APPROX. 2' ABOVE GROUND

STA	+	HI	—	ELEV
				1096.65
	14.30			
1+00			13.02	1097.93
2+00			12.18	1098.77
3+00			12.20	1098.75
4+00			11.32	1099.63
5+00			10.42	1100.53
6+00			8.92	1102.03
7+00			7.90	1103.05
8+00			6.95	1104.00
9+00			5.91	1105.04
10+00			5.29	1105.66
11+00			4.57	1106.38
12+00			3.98	1106.97
13+00			3.21	1107.74
	3.35			
			14.46	1096.63

18 N TOPO CHECK 30

PP 206 NAIL & SHINER
VAN BURAN & DEAN

CHECK IN TO PP206 0.02 LOW

STA	+	HI	−	ELEV
				1096.65
	2.48			
1+00			3.33	1095.80
2+00			3.55	1095.58
3+00			4.81	1094.32
4+00			6.58	1092.55
5+00			7.64	1091.49
6+00			8.45	1090.68
7+00			9.20	1089.93
8+00			10.14	1088.99
9+00			10.74	1088.39
10+00			10.82	1088.31
11+00			12.25	1086.88
12+00			14.16	1084.97
13+00			15.90	1083.23
	15.80			
			2.35	1096.68

18S ON ROAD 31

PP 206 NAIL & SHINER
VAN BURAN & DEAN

CHECK IN PP206 0.03 right

Bm	+	HI	−	ELEV
891.39				
	4.42			
			4.56	891.25
	4.60			
			4.46	891.39

PP 284 NAIL | COTTON & SOUTHERN

X IN HEADWALL 55' S.W. OF PP
WEST SIDE OF COTTON LN

CHECH IN TO PP 284

BM	+	HI	−	ELEV
897.43				
	5.42			
			3.59	899.24
	3.61			
			5.42	897.43

PP 278 DEAN & SOUTHERN

BM CHISELED "□" NE CORNER OF WELL PAD 85± E. of PP 278

CHECK IN PP 278

BM	+	HI	−	ELEV
863 37				
	4 02			
			4 12	863.27
	3 55			
			3 45	863.37

PP299 PK & SHINER IN AC.
DEAD & SR 85

X IN HEADWALL NW CORNER
PERM & SR 85

CHECK IN PP299

BM	+	HI	−	ELEV
870.72				
	4.78⁵			
			3.76⁵	871.74
	3.79			
			4.81	870.72

PP 300
PK & SHINER IN AC TUTHILL
SR 85

BM NAIL IN POWER POLE 30' SE OF PP 300

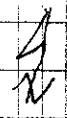
CHECK IN PP 300

BM	+	HI	-	ELEV
879.00				
	4 20			
			3 75	879.45
	3 78			
			4 23	879.00

PP 301 PK & SHINER IN AC
JACK RABBIT @ SR 85

BM ON BOLT BASE OF SIGNAL
LIGHT 40' N W OF PP 301
STAMED BM

CHECK IN PP 301



Bm	+	HI	−	Elev
924 76				
	5 16 5			
			2 23	927.695
	2 26 5			
			5 30	924 76

PP 287 SOUTHERN & ESTRELLA
NAIL & SHINER

BM
X ON CONCRETE BRIDGE RAIL
W OF PP 287

CHECK IN 287

BM	+	HI	—	ELEV
881.43				
	4.50			
			0.51	885.42
	0.47			
			4.46	881.43

PP 303 NAIL & SHINER

BM TOP OF 4" PIPE 175' EAST OF PP 303
PIPE IS 4' ABOVE GROUND
PAINTED WHITE

#3 NE

STA	+	HI	−	ELEV
				881.43
	6.92			
1+00			7.50	880.85
2+00			7.59	880.76
3+00			7.27	881.08
4+00			7.49	880.86
5+00			7.94	880.41
6+00			6.80	881.55
7+00			5.05	883.30
8+00			5.96	882.39
9+00			4.49	883.86
10+00			4.25	884.10
11+00			4.10	884.25
12+00			4.54	883.81
13+00			4.00	884.35
	3.90			
			6.82	881.43

PP 303 NAIL & SHINER

CHECK IN PP 303

STA	+	HI	−	ELEV
				881.43
	4 98			
1+00			6 63	879.78
2+00			4 12	882.31
3+00			5 35	881.06
14+00			5 24	881.17
5+00			5 25	881.16
6+00			5 80	880.61
7+00			6 73	879.68
8+00			6 70	879.71
9+00			5 84	880.57
10+00			5 86	880.55
11+00			5 70	880.71
12+00			5 82	880.59
13+00			6 00	880.41
	5 80			
			4 82	881.39

#3 SW 40

PP303 NAIL & SHINER

CHECK IN PP303 0.04 LOW

BM	+	HI	−	ELEV
894 61				
	5 06			
			4 11	895.46
	4 25			
			5 20	894.61

PP283 NAIL IN DIRT
SOUTHERN

BM
RAIL ROAD SPIKE IN POWER POLE 23± SOUTH OF PP283

CHECK IN PP283

STA	+	HI	−	ELEV
				911.99
	8 48			
0+00			10 10	910.37
1+00			10 08	910.39
2+00			9 52	910.95
3+00			10 19	910.28
4+00			9 71	910.76
5+00			11 08	909.39
6+00			12 72	907.75
7+00			13 77	906.70
8+00			15 25	905.22
9+00			16 38	904.09
10+00			16 87	903.58
	3 50	907.08		
11+00			3 71	903.37
12+00			4 77	902.31
13+00			5 08	902.00
	5 16	907.16		
			2 94	904.22
	16 23	920.45		
			8 50	911.95

SW 42

PP296 #4 REBAR
SARIVAL

CHECK IN PP 296

NE

START OFF ON 0+00

STA	+	HI	−	ELEV
				910.37
	4.96	915.33		
1+00			4.83	910.50
2+00			4.93	910.40
3+00			5.72	909.61
4+00			5.71	909.62
5+00			5.32	910.01
6+00			5.32	910.01
7+00			5.44	909.89
8+00			4.99	910.34
9+00			4.64	910.69
10+00			3.76	911.57
11+00			3.69	911.64
12+00			4.25	911.08
13+00			3.60	911.73
	3.62	915.35		
			5.00	910.35

CHECK IN 0+00 START PT ON ROAD

STA	+	HI	—	ELEV	
					1096.46
[illegible]	2.10	1098.56 58			
1+00			2.41	96.17	
2+00			2.88	95.70	
3+00			3.50	95.08	
4+00			4.01	94.57	
5+00			4.49	94.09	
6+00			5.15	93.43	
7+00			5.70	92.88	
[illegible]	2.88				
8+00			3.42	92.34	
9+00			3.95	91.81	
10+00			4.50	91.26	
11+00			5.04	90.72	
12+00			5.52	90.24	
13+00			5.88	89.88	
CHECKS ?			3.24		
	6.42				
			2.48		
	2.10		5.70		
	2.88		3.24		
	6.42		2.48		
	11.40		11.42		

12/6/90
REN/GARY

EAST #44

START 0+00

PNL PT 101 ELMIRAGE & OLIVE

+1.77 For Rim

+2.10

.33

1096.46
.33
1096.79

-2.13 = Rim

STA	+	HI	−	ELEV
				1083.96
	4.99	1088.95		
0+00			2.94	1086.01
1+00			4.26	84.69
2+00			5.22	83.73
3+00			5.73	83.22
4+00			6.08	82.87
5+00			6.62	82.33
set 1	4.40			
6+00			4.71	82.02
7+00			4.98	81.75
8+00			5.12	81.61
9+00			5.38	81.35
10+00			5.55	81.18
11+00			5.58	81.15
12+00			5.80	80.93
13+00			5.86	80.87
set 2			4.10	
	6.30			
set 3			4.95	
	4.99		6.62	
	4.40		4.10	
	6.30		4.95	
	15.69		15.67	✓ 02 high

South #36

#122 TBM FLANGE ON PIPE
℄ dirt ROAD to south
40' W of PUMP FLANGE

STA	+	HI	—	ELEV	921.51
Set 1		923.55			~~923.96~~
0+00	2.04	~~926.00~~			
1+00				1.76	921.79 ~~924.24~~
2+00				2.68	20.87
3+00				4.06	19.49
4+00				5.48	18.07
5+00				6.95	15.60
6+00				8.46	15.09
7+00				9.91	13.64
Set 2	3.10				
8+00			4.28		12.46
9+00			5.12		11.62
10+00			5.05		11.69
11+00			5.19		11.55
12+00			5.16		11.58
13+00			5.18		11.56
			2.23		14.51
Set 3	8.52				
			1.52		
	13.66		13.66	✓ 0.00	FLAT

298 WEST #5 46

BC H.H Bollard + Vineyard

1.63 = Rim = 21.92

−1.09 = Rim

STA	+	HI	−	ELEV	
					~~921.51~~ ~~923.96~~
		922.10			
0+0	0.59	~~923.55~~			921.51
1+00			2.49		19.61
2+00			3.20		18.90
3+00			5.27		16.83
4+00			6.37		15.73
5+00			6.67		15.43
6+00			5.44		16.66
7+00	7.29		4.84		17.26
	~~6.29~~	923.55			
8+00			5.90		18 17.65
9+00			4.79		19 18.76
10+00			4.66		19 18.89
11+00			4.60		19 18.95
12+00			4.53		20 19.02
13+00			4.31		20 19.24
∞			6.28		18.27
EOT 3	4.10	922.37			
			.84		
	11.90				
	~~10.90~~		11.96	0 ~~02~~	

#298 EAST - #5 47

B.C. IN H.H. & BULLARD AVE & ULDEMAR AVE

0.19 = Rim

.43 = Rim

DIRK GARY
1-10-91

VERY FOGGY

Levels

B.M.	0.56	922.07			921.51
	+		−		
T.P.#1	6.77	921.71	7.13	914.94	
T.P.#2	4.12	923.78	2.05	919.66	
T.P.#3	4.70	924.62	3.86	919.92	
T.P.#4	4.20	924.83	3.99	920.63	
T.P.#5	6.06	927.69	3.20	921.63	
T.P.#6	8.36	933.17	2.88	924.81	
T.P.#7	5.97	938.16	0.98	932.19	
T.P.#8	4.93	937.11	5.98	932.18	
T.P.#9	11.65	948.01	0.75	936.36	
T.P.#10	10.65	958.58	0.08	947.93	
T.P.#11	8.72	965.19	2.11	956.47	

M.C.H.D. B.C.S.M. in H.H.

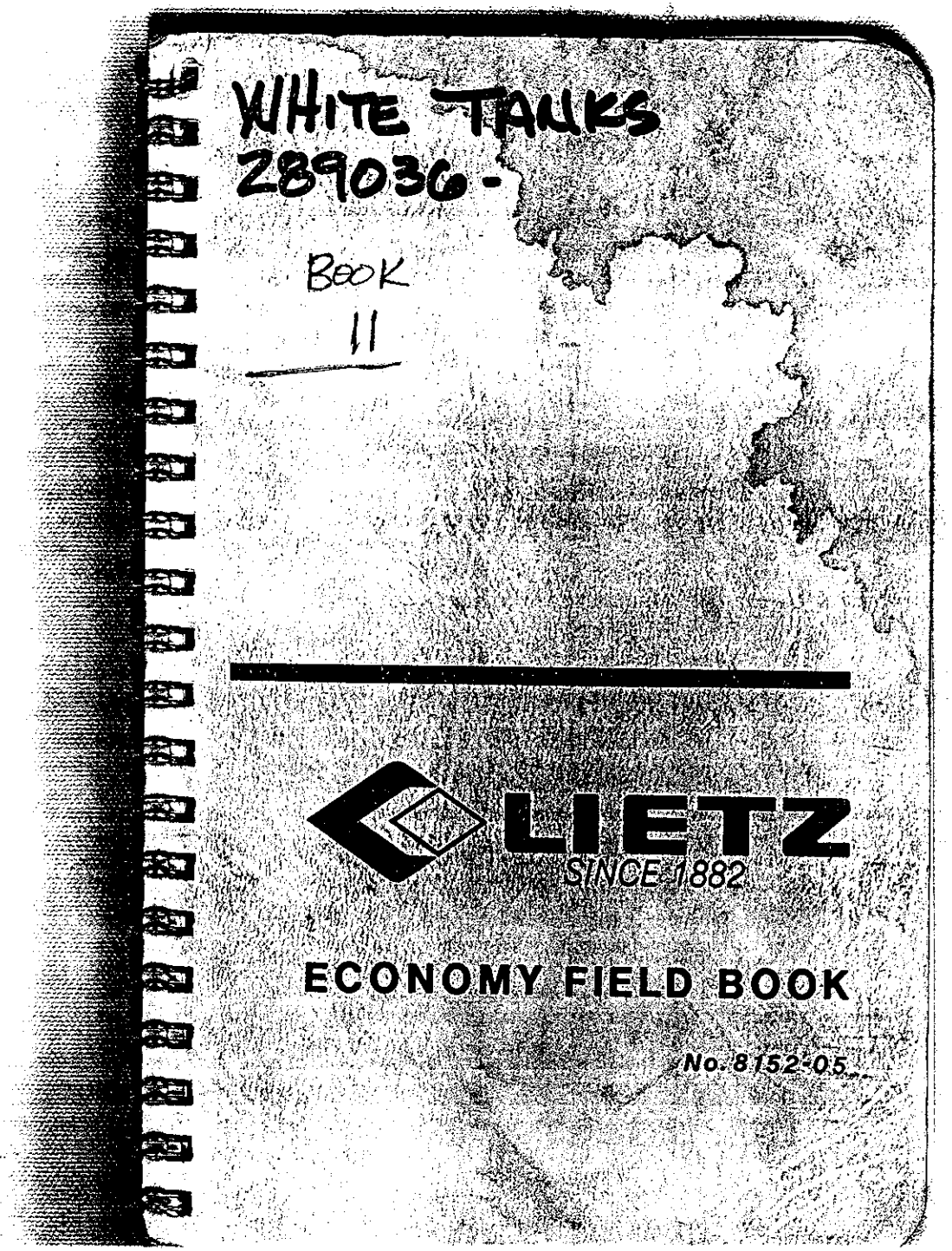
H.I.		965.19			
T.P. #12	6.36	968.98	2.57	962.62	
T.P. #13	6.87	971.87	3.98	965.00	
T.P. #14	0.48	966.57	5.78	966.09	
T.P. #15	0.71	954.87	12.41	954.16	
T.P. #16	~~2.72~~	~~947.69~~	9.90	944.97	—
T.P. #17	1.62	939.05	~~10.26~~	936.43 ~~937.43~~	
T.P. #18	9.06	947.51	0.60	937.45 ~~938.45~~	
T.P. #19	3.95	947.78	3.68	942.83 ~~943.83~~	
T.P. #20	4.25	947.33	4.70	942.08 ~~943.08~~	942.18
T.P. #21	1.09	941.67	6.75	939.58 ~~940.58~~	
T.P. #22	3.77	938.72	6.72	933.95 ~~934.95~~	

P.P #305 = P.K. Nail
EL = 942.18 (FROM PREVIOUS TRIG LEVEL SEE BK #3 WHITE TANKS Pg. 70)

H.I.		938.72				
T.P. #23	5.03	937.55	6.20	931.52 ~~932.52~~		
T.P.	3.02	937.21	3.36	933.19 ~~934.19~~	933.57	P.P. #30c, F.K. No. 1 EL = 933.57
T.P. #22	6.07	938.55	4.73	931.48 ~~932.48~~		
T.P. #22	6.59	941.49	3.65	933.90 ~~934.90~~		
T.P. #21	7.27	947.78	0.98	937.51 ~~940.51~~		
T.P. #20	4.60	947.60	4.78	942.00 ~~943.00~~		P.P. #305
T.P.	4.13	947.90	3.83	942.77 ~~943.77~~	#19	
T.P.	4.41	942.80	9.51	937.39 ~~938.39~~	#18	
T.P.	~~9.79~~ 10.96	948.37	5.39	936.41 ~~937.41~~	#17	
T.P	10.02	955.99	~~2.40~~ 1.26	944.97 ~~945.97~~ ~~945.94~~	#16	
T.P.	15.99	971.19	0.79	954.20 ~~955.20~~	#15	

H.I.		971.19			
				966.17	
T.P.	5.78	972.95	4.02	~~967.17~~	#14
				965.09	
T.P.	4.09	970.18	6.86	~~966.09~~	#13
				962.70	
T.P.	0.91	964.61	6.48	~~963.70~~	#12
				956.59	
T.P.	0.43	958.02	7.02	~~957.59~~	#11
				948.09	
T.P.	2.02	951.11	8.93	~~949.09~~	#10
				936.51	
T.P.	1.27	938.78	13.60	~~937.51~~	#9
				932.33	
T.P.	6.09	939.42	5.45	~~933.33~~	#8
				932.37	
T.P.	1.19	934.56	6.05	~~933.37~~	#7
				921.78	
T.P.	3.53	926.31	11.78	~~922.78~~	#5
				920.03	
T.P.	4.83	925.86	5.28	~~921.03~~	#3
				915.03	
T.P.	9.41	925.44	9.83	~~916.03~~	#1
			921.62		
		2.82	~~922.62~~		921.51

BC in HH CHECK IN


WHITE TALKS
289036 -
BOOK
11
LIETZ
SINCE 1882
ECONOMY FIELD BOOK
No. 8152-05

FORMULAE FOR SOLVING RIGHT TRIANGLES

$\sin A = \frac{a}{c} = \cos B$ $\quad \cot A = \frac{b}{a} = \tan B$

$\cos A = \frac{b}{c} = \sin B$ $\quad \sec A = \frac{c}{b} = \operatorname{cosec} B$

$\tan A = \frac{a}{b} = \cot B$ $\quad \operatorname{cosec} A = \frac{c}{a} = \sec B$

Given	Required	Solution
A, a	B, b, c	$B = 90° - A$, $b = c \sin A$, $c = c \cos A$
A, b	B, a, c	$B = 90° - A$, $a = b \tan A$, $c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90° - A$, $b = c \cos A$, $c = \frac{c}{\sin A}$
a, b	A, B, c	$\sin A = \frac{a}{c}$, $\cos B = \frac{a}{c}$, $c = \sqrt{(a + b)(a - b)}$
a, b	A, B, c	$\tan A = \frac{a}{b}$, $\cot B = \frac{a}{b}$, $c = \sqrt{a^2 + b^2}$

FORMULAE FOR SOLVING OBLIQUE TRIANGLES

Given	Required	Solution
A, a, b	B, c	$\sin B = \frac{b \sin A}{a}$, $c = \frac{a \sin C}{\sin A}$
A, B, a	b	$b = \frac{a \sin B}{\sin A}$
a, b, C	A, c	$A + B = 180° - C$, $c = \frac{a \sin C}{\sin A}$
a, b, c	Area	$\text{side} = \frac{a + b + c}{2}$, $\text{area} = \sqrt{(s - a)(s - b)(s - c)}$
A, b, c	Area	$\text{area} = \frac{bc \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

MADE IN U.S.A.

36 PAGE TO BOOK [signature]

1

π J POOR
1 A SMITH

3/29/90

PP 186 — 187R — 186

	+	HI	−	ELEV
PP186				
	2 63			
TP1			5 94	
	3 87			
TP2			6 03	
	5 07			
TP3			6 00	
	4 63			
TP4			5 92	
	3 66			
TP5			8 02	
	3 54			
TP6			5 81	
	4 74			
TP7			5 47	
	4 41			
TP8			5 28	
	5 26			
TP9			5 24	
	5 06			
TP10			4 94	
	6 74 4 98			
PT187ID			4 12 6 77	
	4 18 5 79			
TBM			3 45 6 82	

2

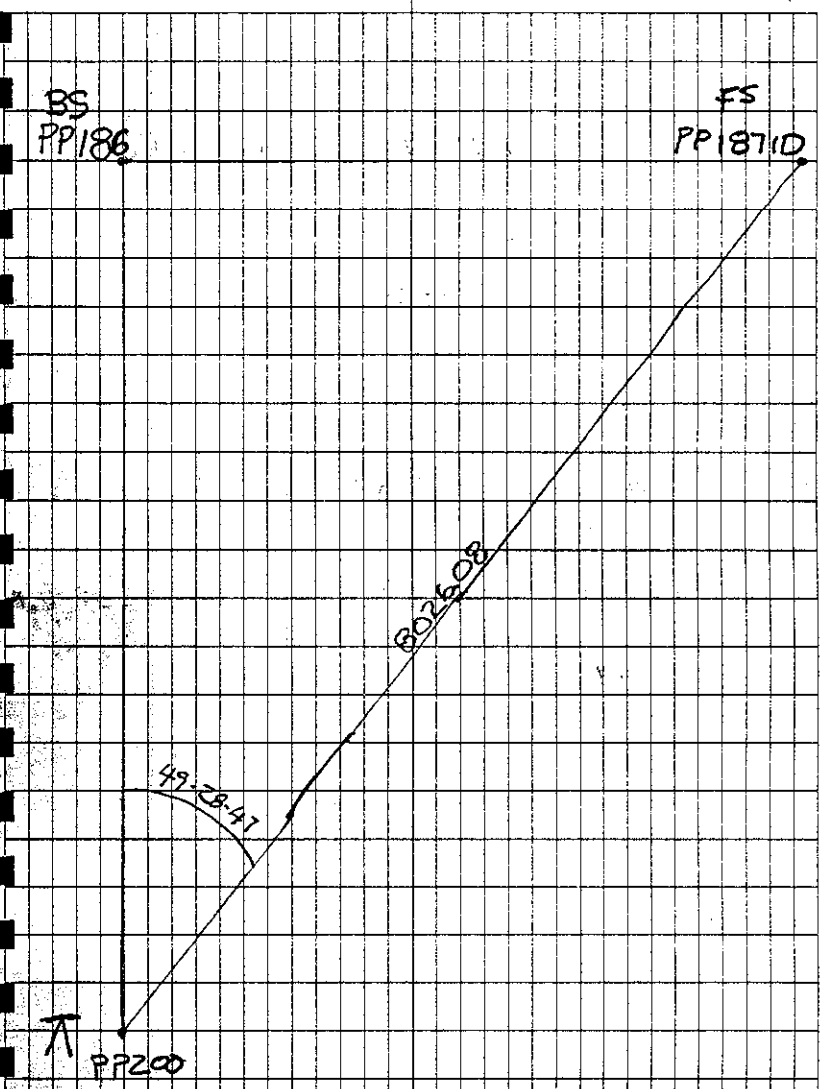
BC IN CONCRETE DMSAR + T THOMAS

NAIL 1' N OF POWER POLE W/ TRANSFORMER

NAIL IN POWER POLE

	+	HI	−	ELEV	ADJ ELEV
	3.38				
TP13			6.73		
	4.85				
TP14			4.70		
	4.84				
TP15			5.11		
	5.27				
TP16			4.46		
	5.41				
TP17			4.61		
	5.94				
TP18			3.24		
	7.88				
TP19			4.04		
	5.75				
TP20			4.42		
	5.88				
TP21			4.78		
	5.77				
TP22			3.91		
	6.27				
	15.03		2.82		
			115.04		

⊼ PP 200			
BS PP 186			
FS PP 187 ID	NW SIDE POWER POLE		
	~~00-00-00~~		
HORZ	00-00-00		
	49-28-43		
	98-57-19		
	148-25-32		
	197-53-56		
MEAN	49-28-47		
VT	89-59-49		
	270-01-07		
MEAN	89-59-51		
SLOPE DIST		8026.10	
		8026.08	
		8026.03	
		8026.10	
HORZ DIST		8026.08	



TP	+	⊼	−	ELEV	ADJ ELEV
		6-11-90	I B CRUZ		
			⊼ J POOR		
	PP325 - PLUS ID PTS				
	VIN TO PP45				
PP325					
	4.82				
TP1			5.78		
	3.94				
TP2			6.75		
	3.65				
TP3			6.72		
	5.43				
TP4			2.42		
	6.25				
TP5			5.32		
	4.07				
TP6			7.16		
	2.46				
POWERPOLE			11.99		

BC IN HWY + BELLRD ⊼ ELMRAGE

POWER POLE E OF BRIDGE ON BELLRD
(WEST SIDE OF POWER POLE)

TP	+	π	−	ELEV	ADJ ELEV
	9.05				
TP8			8.64		
	0.70				
TP9			8.82		
	0.48				
TP10			3.70		
	4.66				
TP11			5.62		
	4.22				
TP12			5.29		
	4.11				
TP13			5.58		
	5.45				
TP14			6.74		
	4.95				
TP15			3.98		
	5.28				
TP16			4.72		
	5.63				
TP17			10.97		
	0.14				
TP18			12.14		
	0.79				
TP19			12.91		

TP	+	FT	−	ELEV	ADJ ELEV
	186				
TP20			602		
	661				
TP21			197		
	851				
TP22			067		
	1282				
TP23			1060		
	685				
PHOTO PT 2			448		PHOTO PT #2
	1201				
TP25			1760		
	669				
TP26			462		
	694				
TP27			259		
	550				
TP28			419		
	584				
TP29			280		
	552				
TP30			457		
	553				
TP31			467		
	59				

TP	+	Π	−	ELEV
	5.05			
TP32			4.61	
	5.14			
TP33			5.33	
	5.37			
TP37			4.73	
	5.70			
TP34			3.81	
	7.47			
PP45			3.16	

V IN TO PP45

WHITE TANKS

PHOTO I.D. 289

JUNE 12 90

FB 289036

JIA 6" W B CRUZ

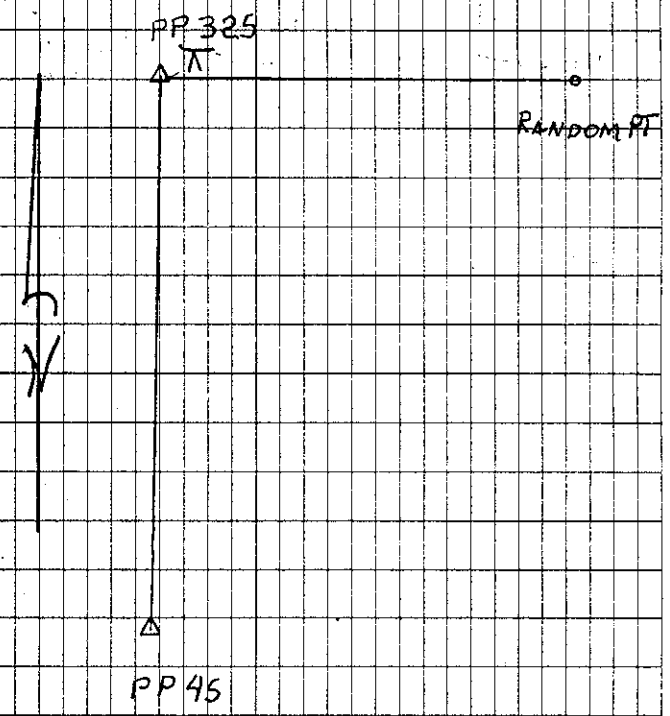
RED II EDM T J POOR

T @ PP 325 B.C. IN HAND HOLE ℄ ℄ EL MIRAGE & BELL

B/S PP # 45 1" PIPE WITH P.K. NAIL ℄ ℄ EL MIRAGE & GREEN WAY 00-00-00 & RT

F/S SET RANDOM PT ON BRIDLE

∡	VA	SD
271-34-43	90-02-00	1623.10
183-09-17	269-56-55	1623.10
94-44-09	90-02-33	1623.1
06-18-45		1623.10
271-34-41		



11

T @ RANDOM PT ON BRIDGE

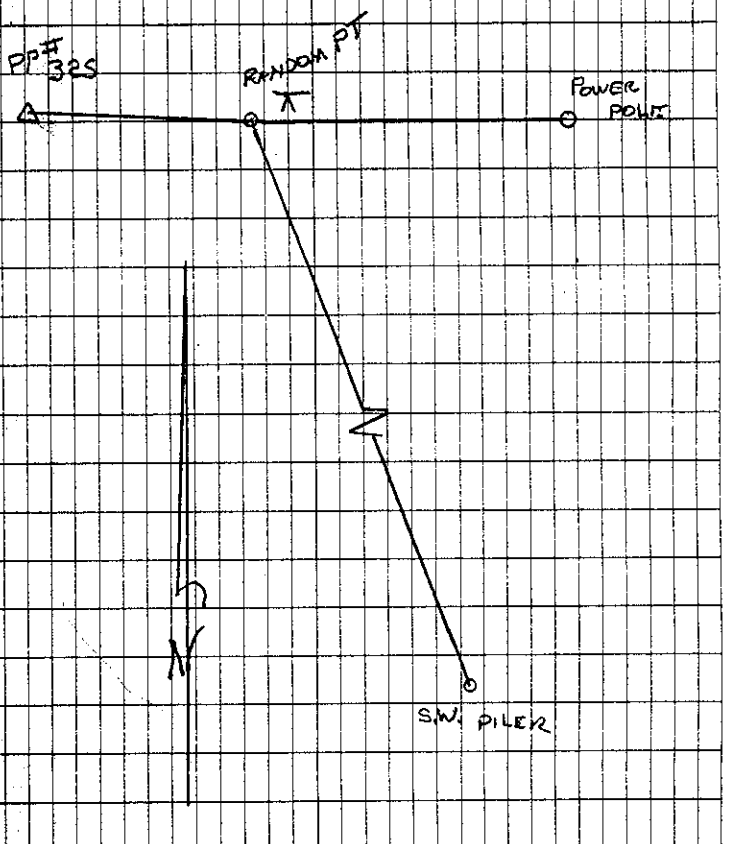
BS PP# 325 00-00-00 & RT

F/S POWER POLE TRAN LINE
S.E. CORNER OF BRIDGE
(WEST SIDE OF POLE)

#	VA	SD
179-26-13	89-45-37	1027.72
358-52-37	270-13-37	1027.72
179-26-16	89-46-02	1027.71
		1027.71

F/S S.W. PILER OF TRAN LINE

#	VA OK	SD OK
235-24-17	90-21-00	6537.63
110-48-32	269-37-42	6537.62
235-24-16	90-21-39	6537.62
		6537.49
1 ~~235-34-57~~ 235-34-44		
2 111-09-25		
3 346-44-31		
4 222-19-12		
235-34-48		



TOPO CHECK

NORTHERN SARIVAL

FD IRON PIN IN HAND HOLE

PP 109

39

STA	+	π	−	ELEV	REMARKS
				1126.48	PIN
	x6 38				
1+00 No.			5 83	1126.03	
2+00 No.			5 43	1126.43	
3+00 No			5 12	1126.74	
4+00 N			4 81	1127.05	
5+00N			4 40	1127.46	
6+00N	TP		4 11	1127.75	
	x6 26				
7+00 No			5 79	1128.22	
8+00 N			5 39	1128.62	
9+00 N			5 04	1128.97	
10+00 N			4 75	1129.26	
11+00 N			4 27	1129.74	
12+00 N			3 98	1130.03	
13+00N			3 55	1130.46	
13+20 N			3 48	1130.53	
TP ①			6 42		
	4 00				
TP ②			5 67		HEAD

IN HAND HOLE NORTHERN & SARIVAL
PP 107 #'37

T/P SIDE OF ROAD STA 6+00 ± EAST SIDE

WALL NW COR NORTHERN & SARIVAL

STA	+	HI	−	ELV
	3 42			
1+00 S			3 11	1126 23
2+00 S			3 53	1125.81
3+00 S			3 99	1125.35
4+00 S			4 79	1124.55
5+00 S			5 49	1123.85
6+00 S TP			6 19	1123.15
	2 46			
7+00 S			3 16	1122.45
8+00 S			3 74	1121.87
9+00 S			4 41	1121.20
10+00 S			4 96	1120.65
11+00 S			5 77	1119.84
12+00 S			6 16	1119.45
13+00 S			6 71	1119.44
13+20 S			6 80	1118.81
TP ①			2 41	
	6 48			
			✓ 4 16	1125.52

+004

FP 107 FF 39

SURVEY & PEORIA
BC IN HAND HOLE

PP 79

46

STA	+	X	−	ELEV	REMKS
				1165.82	
	8 10				
1+00 N			7 91	1166.01	
2+00 N			6 44	1167.48	
3+00 N			5 79	1168.13	
4+00 N			5 33	1168.59	
5+00 N			4 81	1169.11	
6+00 N			4 38	1169.54	
7+00 N	TP		3 92	1170.00	PAINT ON ℄
	7 55				
8+00 N			7 03	1170.52	
9+00 N			6 01	1171.54	
10+00 N			5 33	1172.22	
11+00 N			4 95	1172.60	
12+00 N			4 64	1172.91	
13+00 N			4 30	1173.25	
13+20 N			4 26	1173.29	
TP ①			8 00		T/P PAINT ON ROAD EASTSIDE I 6450
	3 09				
TP ②			5 72		HEAD WALL NE COR

BC IN HAND HOLE SHERIAL & PEORIA
PP 79 # 46

STA	+	⊼	—	ELEV.	REMARKS
	1 78				
1+00 S			3 21	1165.49	
2+00 S			4 12	1164.58	
3+00 S			4 56	1164.14	
4+00 S			5 10	1163.60	
5+00 S			5 60	1163.10	
6+00 S			6 08	1162.62	
7+00 S	TP		6 54	1162.16	
	3 86				
8+00 S			4 14	1161.88	
9+00 S			4 45	1161.57	
10+00 S			4 91	1161.11	
11+00 S			5 27	1160.75	
12+00 S			5 56	1160.46	
13+00 S			5 94	1160.08	
13+20 S			5 98	1160.04	
TP ①			3 94		
	6 75				
			✓2 99	+002	

TP PAINT SIDE OF ROAD I 6+00

@ @ PEORIA & SARIVAL BC IN HAND HOLE

WADDELL & SARINAL
BC IN 'HAND HOLE

PP 52

#51

STA	+	↗	−	ELEV	RBM2
				1219.57	
	7 36				
1+00 N			6 80	1220.13	
2+00 N			6 23	1220.70	
3+00 N			5 87	1221.06	
4+00 N			5 47	1221.46	
5+00 N			4 95	1221.98	
6+00 N			4 54	1222.39	
7+00 N	TP		4 52	1222.41	
	7 28				
8+00 N			6 61	1223.08	
9+00 N			6 11	1223.58	
10+00 N			5 65	1224.04	
11+00 N			5 18	1224.61	
12+00 N			4 81	1224.88	
13+00 N			4 67	1225.02	
13+20 N			4 63	1225.06	
TP ①			6 59		
	3 69				
TP ②			4 73		HEAD WALL

BC IN HAND HOLE WADDELL & SARVAS

℄ PAINT

SIDE OF ROAD STA 7+50 ± EAST SIDE

HEAD WALL SE COR

STA	+	⊼	−	ELEV.	REMARKS
	0.35				
1+00 S			4.24	1218.07	
2+00 S			4.92	1217.39	
3+00 S			5.83	1216.48	
4+00 S			6.53	1215.78	
5+00 S			7.05	1215.26	
6+00 S			7.59	1214.72	
7+00 S	TP		8.09	1214.22	℄ PAINT
	3.74				
8+00 S			4.26	1213.70	
9+00 S			4.62	1213.34	
10+00 S			4.87	1213.09	
11+00 S			5.33	1212.63	
12+00 S			5.58	1212.38	
13+00 S			5.91	1212.05	
13+20 S			6.00	1211.96	
TP ①			3.83	1214.13	PAINT SIDE OF ROAD STA 6+50 T
	7.29				
			✓1.85	0.00	BC IN HAND HOLE WADDELL & SARIVAL

SARNIA-AV & BELL RD
~~BC IN HH PP28~~

STA	+	π	−	ELEV
	746			
1+00 N			664	
2+00 N			566	
3+00 N			499	
4+00 N			468	
5+00 N			427	
6+00 N			401	
7+00 N			362	
~~[illegible]~~	732			
8+00 N			678	
9+00 N			619	
10+00 N			549	
11+00 N			447	
12+00 N			427	
13+00 N			387	
	733			
~~[illegible]~~	~~[illegible]~~		387	
~~[illegible]~~			769	
			~~431~~	

#56 NORTH

22

SARIVAL AV & BELL RD BC IN HH
PP28

SEE PG 27

#56 SOUTH - 23

STA	+	T	-	ELEV
				1263.58
	4.94			
1+00 S			4.69	1263.83
2+00 S			4.87	1263.65
3+00 S			5.02	1263.50
4+00 S			5.09	1263.43
5+00 S			5.13	1263.39
6+00 S			4.78	1263.74
7+00 S			4.55	1263.97
	4.10			
8+00 S			4.15	1263.92
9+00 S			4.74	1263.33
10+00 S			4.80	1263.27
11+00 S			4.78	1263.29
12+00 S			4.50	1263.57
13+00 S			3.61	1264.40
	3.67			
TP 2			4.10	
	4.80			
V IN BC			5.20	-0.01

SAFEWAY & BELK RD BC IN HH
PP 28

V IN BC IN HH

STA	+		−	ELEV
				1305.27 ~~1303.38~~
	0 11			
1+00 S			1 00	1304.38
2+00 S			2 69	1302.69
3+00 S			4 52	1300.86
4+00 S			5 08	1300.30
5+00 S			5 56	1299.82
6+00 S			5 32	1300.06
7+00 S			5 62	1299 76
8+00 S			5 58	1299.80
9+00 S			5 80	1299.58
10+00 S			5 74	1299.64
11+00 S			5 78	1299.60
12+00 S			5 83	1299.55
13+00 S			5 93	1299 45
	5 93			
VIN			0 11	0/0

PP #8 #5125 #62

SARIVAL & ? BEARDSLEY

SOUTH

PIPE

PP # 8

STA	+	⊼	−	ELEV
				1305.27
	7^{32}			
1+00 N			10^{47}	1302.12
2+00 N			10^{49}	1302.10
3+00 N			8^{10}	1304.49
4+00 N			8^{00}	1304.59
5+00 N			7^{76}	1304.83
6+00 N			7^{82}	1304.77
7+00 N			7^{98}	1304.61
8+00 N			7^{31}	1305.28
9+00 N			7^{45}	1305.14
TP	7^{15}			
10+00 N			7^{65}	1304.64
11+00 N			5^{51}	1306.78
12+00 N			5^{54}	1306.75
13+00 N			4^{80}	1307.49
	4^{80}			
TP			7^{14}	
	7^{61}			
✓ IN			7^{48}	$+0^{01}$

NORTH

SARTWELL & BEARDSLEY #62 PP 8

#5 RB

DIRT

NAIL ℄

✓ IN PP#8

STA	+	π	−	ELEV
				1228.49
	6 12			
1+00 W			6 78	1227.81
2+00 W			6 45	1228.14
3+00 W			6 36	1228.33
4+00 W			6 12	1228.47
5+00 W			6 05	1228.54
6+00 W			5 68	1228.91
7+00 W			5 45	1229.14
8+00 W			4 20	1230.39
9+00 W			3 18	1231.46
10+00			2 44	1232.15
11+00			1 45	1233.14
12+00			1 30	1233.29
13+00			1 78	1232.81
PP #7			1 86	1232.73

26

COTTON & BEARDSLEY

TBM X IN HEADWALL IN INTERSECTION → PANEL #7 TO COTTON & BEARDSLEY'S

V IN PP #7 ~~#5 RIS~~ 5/8" IP

#56 NORTH 27

STA	+	⊼	−	ELEV
				1263.58
	7 46			
1+00			6 64	1264.40
2+00			5 66	1265.38
3+00			4 99	1266.05
4+00			4 68	1266.36
5+00			4 27	1266.77
6+00			4 01	1267.03
7+00			3 62	1267.42
	7 32			
8+00			6 78	1267.96
9+00			6 19	1268.55
10+00			5 49	1269.25
11+00			4 47	1270.27
12+00			4 27	1270.47
13+00			3 87	1270.87
	3 87			
			7 33	
	3 87			
V IN			7 69	+001

SARIVAL AV & BELLRD
BC IN 14H
PP 28

V IN PP 28

WEST #64

STA	+	⊼	−	ELEV
				1337.39
	278			
1+00 W			14.26	25.91
2+00 W			16.63	23.54
3+00 W			28.2	37.35
4+00 W			4.54	35.63
5+00 W			4.70	35.47
6+00 W			4.79	35.38
7+00 W			4.56	35.61
8+00 W			4.40	35.77
9+00 W			4.30	35.87
10+00 W			3.70	36.47
11+00 W			2.77	37.40
12+00 W			2.14	38.03
13+00 W			3.85	36.32
	385			
VIN			2.22	1337.40
				VOL HIGH

PP #4 HUB & TACK GRAND AVE
Following TRANSMISSION LINE

VIN HUB & TACK PP #4

EAST = 64

PP # 4 HUB & TACK GRANDE AVE

FOLLOWING TRANSMISSION LINE

STA	+	T	−	ELEV
				1337 39
	4 60			
1 TIDE			6 83	35 16
2 TIDE			3 75	38 24
3 TIDE			5 73	36 26
4 TIDE			4 92	37 07
5 TIDE			4 81	37 18
6 TIDE			4 59	37 40
7 TIDE			5 22	36 77
8 TIDE			5 62	36 37
9 TIDE			5 72	36 27
10 TIDE			4 87	37 12
11 TIDE			5 19	36 80
12 TIDE			6 59	35 40
13 TIDE			6 78	35 21
	6 78			
V IN			4 58	1337 41
				V OF HIGH

V IN PP # 4

NORTH #55

STA	+	±	−	ELEV
				1307.73
	627			
100 N			628	1307.72
200 N			597	1308.03
300 N			586	1308.14
400 N			586	1308.14
500 N			537	1308.63
600 N			502	1308.98
700 N			479	1309.21
800 N			456	1309.44
900 N			370	1310.30
1000 N			291	1311.09
1100 N			212	1311.88
1200 N			135	1312.65
1300 N			047	1313.53
	047			
VIN			625	1307.73 +002

BELL & CITRUS PIPE 6 BC IN CONCRETE

PIPE 6 BC IN CONCRETE

STA	+	Π	−	ELEV
				1307.73
	234			
1+00S			330	1306.77
2+00S			382	1306.25
3+00S			412	1305.95
4+00S			412	1305.95
5+00S			423	1305.84
6+00S			438	1305.69
7+00S			477	1305.30
8+00S			530	1304.77
9+00S			583	1304.24
10+00S			619	1303.88
11+00S			663	1303.44
12+00S			718	1302.89
13+00S			754	1302.53
	754			
VIN			234	0/0

BECL & CITRUS PP26 BC IN CONCRETE

VIN PP26 BC IN CONCRETE

STA	+	↗	−	ELEV
				1279.00
	6 23			
1+00N			6 48	1278.75
2+00N			6 95	1278.28
3+00N			6 83	1278.40
4+00N			6 45	1278.78
5+00N			6 27	1278.96
6+00N			6 16	1279.07
7+00N			5 88	1279.35
8+00N			6 02	1279.21
			6 18	1279.05
			5 14	1280.09
			4 48	1280.75
			4 15	1281.08
			3 58	1281.65
	3 58			
V/III			6 24	1278 99
				EOL

#50 NORTH 32

CITRUS & WADELL PP #50
BC, N HH

PP 50 : BC, N HH

#50 SOUTH

STA	+	Π	−	ELEV
				1279.00
	175			
1+00 S			307	1277.68
2+00 S			372	1277.03
3+00 S			391	1276.84
4+00 S			386	1276.89
5+00 S			415	1276.60
6+00 S			493	1275.82
7+00 S			586	1274.89
8+00 S			630	1274.45
9+00 S			658	1274.17
10+00 S			686	1273.89
11+00 S			702	1273.73
12+00 S			737	1273.38
13+00 S			760	1273.15
	760			
V IN			173	1279.02
				4002

CITRUS & WADELL PP 50 BCN HH

PP 50 BCN HH

NORTH #45

STA	+	T	−	ELEV
				1242.68
	5 55			
1+00 N			5 20	1243.03
2+00			5 40	1242.83
3+00			5 28	1242.95
4+00			5 05	1243.18
5+00			4 96	1243.27
6+00			4 86	1243.37
7+00			4 84	1243.39
8+00			5 46	1242.77
9+00			5 22	1243.01
10+00			5 53	1242.70
11+00			5 52	1242.71
12+00			5 10	1243.13
13+00 N			4 89	1243.74
	4 89			
VIN			5 55	1242.68 ✓

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