

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB Metric Relief Canal 57 ADD1001
 SHEET NO. 57 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE Toe & Ground shots ori. side

STA	o/s L	o/s R	+	HI	-	±	Desc.
562+00			255	3294		3039	
564+00	246 ¹ / ₂ 256 ¹ / ₂				146 162	133 107	toe Gr
562+00	252 ⁰ / ₂				149 161	133 103	toe Gr
563+00	254 ¹ / ₂ 264 ¹ / ₂				166 174	163 155	toe Gr
564+00			223	3260		3037	Top wall
564+00	248 ⁶ / ₁₆ 255 ⁹ / ₁₆				142 142	134 131	Top Gr @ house
565+00			232	3249	244	3016 (3012)	Top of wall (3017) <u>ok.</u>
565+00	246 ⁶ / ₁₆ 250 ⁶ / ₁₆				133 138	192 187	Top Gr.
566+00	241 ⁷ / ₁₆ 251 ⁷ / ₁₆				125 135	202 190	Top Gr
567+00					194	3055	Top wall (3052)
569+00			246	3288		3042	Top of wall
569+00	250 ⁵ / ₁₆ 260 ⁵ / ₁₆				142 149	187 180	Top Gr
571+00					246	3042 (3041)	Top of the Wall

WALKER & AVERY, INC.
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JOB Mitigation Relief Canal
 SHEET NO. 58 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE Top & Bottom side Orleans side

STA	o/s L	o/s R	+	HI	-	Elev	DESC.
581+00			265	3285		3020	
581+00	2502				132	192	
	2607				142	184	
583+00	2542				136	193	
	2642				142	182	
583+00					266	3019	Top well (30.13)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
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JOB METAIRIE RELIEF CANAL 34
 SHEET NO. SPRING SID OF _____
 CALCULATED BY LIT DATE 2-10-97
 CHECKED BY _____ DATE _____
 SCALE G S M D B S

STA	% L	% R	+	H I	-	ELEV	DESC
			6.05	35.25		29.20	
					6.34	29.92	H-199
			3.99	32.56			
SS4+0.0	204.2				6.10	26.76	GR
	205.2				2.41	30.45	TOP CONC. WALL
	207.10				5.20	27.66	GR @ WALL
	216.00				5.90	27.06	CROWN
	242.00				14.20	18.66	TOE -
	252.00				14.60	18.26	GR -
SS5+0.0	204.0				6.10	26.76	GR
	205.0				2.47	30.39	TOP CONC. WALL
	206.9				5.40	27.46	GR @ WALL
	216.80				5.70	27.16	CROWN
	242.90				15.50	17.36	TOE
	253.00				15.50	17.36	GR ✓
SS6+0.0	203.7				6.50	26.26	GR
	204.7				2.51	30.35	TOP WALL
	206.6				5.30	27.56	GR @ WALL
	216.0				5.70	27.16	CROWN
	242.50				14.80	18.06	TOE
	252.50				15.70	17.16	GR
SS7+0.0	203.4				7.30	25.56	GR
	204.4				2.44	30.42	TOP WALL
	206.3				5.00	27.86	GR @ WALL
	216.0				5.50	27.36	CROWN
	220.50				7.10	25.16	FENCE
	246.20				15.00	17.86	TOE
	556.20				15.40	17.46	GR
					2.40	30.46	TOP WALL STA. 558
			1.93	32.39			

ORLEANS LEVEE SECTIONS:
 HAMMOND HWY TO RR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. _____ 2 OF _____
 CALCULATED BY L DATE 3-10-97
 CHECKED BY _____ DATE _____
 SCALE GS M & ES

STA	% L	% R	+	HI	-	ELEV	DESC
				32.39			
558+0.0	203.15				7.40	24.99	GR
	204.15						TOP CONC WALL
	206.0				4.70	27.69	GR @ WALL
	215.75				5.00	27.39	CROWN
	220.50				6.70	25.69	FENCE
	246.0				15.00	17.39	TOE
	256.0				15.20	17.19	GR
T&M 559+0.0	203.0				7.50	24.89	GR
	204.0				1.96	30.43	TOP WALL
	206.0				4.80	27.59	GR @ WALL
	215.20				5.40	26.99	CROWN
	239.70				12.90	19.49	TOE
	249.70				13.20	19.19	GR
560+0.0	202.8				7.60	24.79	GR
	203.8				1.92	30.47	TOP WALL
	205.7				5.30	27.09	GR @ WALL
	215.60				5.60	26.79	CROWN
	245.90				15.60	16.79	TOE
	255.90				16.00	16.39	GR
561+0.0	202.4				7.20	25.19	GR
	203.4				1.88	30.51	TOP WALL
	205.3				4.90	27.49	GR @ WALL
	214.80				5.60	26.79	CROWN
	223.0				8.00	24.39	FENCE
562+0.0	202.2				7.60	24.79	GR
	203.2				2.00	30.39	TOP WALL
	205.0				5.30	27.09	GR @ WALL
	214.80				5.60	26.79	CROWN
	219.0				7.30	25.09	FENCE
T&M 563+0.0					2.01	30.38	(30.38)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
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JOB _____
 SHEET NO. 3 OF _____
 CALCULATED BY L.H. DATE 3-11-35
 CHECKED BY _____ DATE _____
 SCALE AS MD BS

STA	0% L	0% R	+ HI	ELEV	DESC
TBM 563+0.0			1.93	32.31	30.39
563+0.0	202.0			7.20	25.11 GR
	203.0			1.93	30.78 TOPWALL
	204.8			4.60	27.71 GR @ WALL
	215.0			4.70	27.61 CROWN
	222.0			6.60	25.71 FENCE
564+0.0	202.0			9.0	23.31 GR
	203.0			1.94	30.77 TOPWALL
	204.9			5.30	27.01 GR @ WALL
	216.30			5.30	27.01 CROWN
	223.00			6.90	25.41 FENCE
565+0.0	201.7			9.90	22.41 GR
	202.7			2.14	30.17 TOPWALL
	204.6			5.30	27.01 GR @ WALL
	216.40			5.50	26.81 CROWN
	224.90			7.70	24.61 FENCE
566+0	201.8			8.70	23.61 GR
	202.8			1.99	30.32 TOPWALL
	204.7			4.90	27.41 GR @ WALL
	213.50			5.20	27.11 CROWN
	223.40			7.20	25.11 FENCE
567+0.0	201.9			8.90	23.51 GR
	202.9			1.79	30.52 TOPWALL
	204.8			4.70	27.61 GR @ WALL
	215.90			5.0	27.31 CROWN
	252.0			15.00	17.31 T&E
	262.0			15.50	16.81 GR

X

3037

X

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
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JOB _____
 SHEET NO. _____ 4 OF _____
 CALCULATED BY L.T. DATE 2-10-37
 CHECKED BY _____ DATE _____
 SCALE G.S.M.D.R.S.

STA	O/S L	O/S R	I	H I	-	ELEV	DESC
				32.31			
568+0.0	201.8				8.90	23.41	GR
	202.6				1.83	30.43	TOPWALL
	204.7				4.90	27.41	GR @ WALL
	214.90				5.40	26.91	CROWN
	226.20				8.60	23.71	FENCE
	249.28				15.20	17.11	TUE
	259.20				15.50	16.81	GR
TBM 567+0.0					1.79	30.52	(30.53)
			2.53	33.05			
569+0.0	201.9				9.20	23.85	GR
	202.9				2.63	30.42	TOPWALL
	204.9				5.70	27.35	GR @ WALL
	215.70				5.90	27.25	CROWN
	226.90				8.40	24.65	FENCE
570+0.0	202.0				9.10	23.95	GR
	203.0				2.60	30.45	TOPWALL
	204.9				5.60	27.45	GR @ WALL
	215.30				5.80	27.25	CROWN
	226.80				8.70	24.35	FENCE
571+0.0	202.1				9.40	23.65	GR
	203.1				2.64	30.41	TOPWALL
	205.0				5.50	27.55	GR @ WALL
	215.30				5.90	27.15	CROWN
	339.90				12.90	20.15	TUE
	249.80				13.70	19.35	GR
TBM 571+0.0					2.64	30.91	(30.92)
			2.24	32.65			
				32.00			
572+0.0	202.10				9.50	23.15	GR
	203.1				2.19	30.46	TOPWALL
	205.0				5.40	27.25	GR @ WALL
	215.80				5.80	26.85	CROWN
	242.90				13.30	19.35	TUE
	252.90				13.70	19.95	GR

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JOB _____ **38**
 SHEET NO. _____ **5** OF _____
 CALCULATED BY _____ DATE **3-10-97**
 CHECKED BY _____ DATE _____
 SCALE **GS MD BS**

STA	% L	% R	+	H I	-	ELEV	DESC
				32.66 32.65			
573+0.0	202.2				9.30	21.35	GR
	203.20				2.19	30.46	TOP WALL
	205.20				5.40	27.25	GR @ TOP WALL
	214.70				5.40	27.25	CROWN
	244.60				13.90	18.85	TOE
	254.60				19.70	17.95	GR
574+0.0	202.0				8.40	24.25	GR
	203.0				2.25	30.40	TOP WALL
	204.9				5.30	27.35	GR @ WALL
	215.40				5.60	27.85	CROWN
	229.50				10.20	22.45	FENCE
	242.40				14.30	18.35	TOE
	252.50				14.40	18.25	GR
575+0.0	202.0				9.40	23.25	GR
	203.0				2.30	30.35	TOP WALL
	204.9				5.40	27.25	GR @ WALL
	215.6				6.00	26.65	CROWN
	244.9				14.50	17.85	TOE
	250.9				15.90	16.85	GR
TBM 575+0.0					2.30	30.35 30.36	(30.36)
			2.49	32.84 32.85			
576+0.0	201.9				9.60	23.24	GR
	202.9				2.75	30.09	TOP WALL
	204.8				5.90	29.04	GR @ WALL
	215.20				6.40	26.44	CROWN
	233.70				11.90	20.94	FENCE
	244.90				16.20	16.64	TOE
	250.90				16.40	16.44	GR

WALKER & AVERY, INC.
 1315 FNBC Building
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JOB METAIPIE RENEW CANAL 39
 SHEET NO. ORLEANS SIDE 6 OF _____
 CALCULATED BY [Signature] DATE 3-12-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	O/S L	O/S R	+	H I	-	ELEV	DESC
				32.84 32.85			
577+0.0	203.7				9.50	23.34	GR
	204.7				2.66	30.18	TOP WALL
	206.6				5.70	24.14	GR @ WALL
	216.20				6.60	26.24	CROWN
	233.90				12.50	20.34	FENCE
	242.60				14.40	18.44	TOE
	252.60				15.10	17.74	GR
579+0.0	206.2				8.60	24.24	GR
	207.2				2.62	30.22	TOP WALL
	209.1				5.40	27.44	GR @ WALL
	219.10				6.40	26.44	CROWN
	237.70				12.30	20.54	FENCE
	246.70				15.20	17.64	TOE
	256.70				15.40	17.44	GR
579+0.0	208.7				8.50	24.34	GR
	209.7				2.68	30.16	TOP WALL
	211.6				5.80	27.04	GR @ WALL
	221.60				6.30	26.54	CROWN
	249.6				15.80	17.04	TOE & FENCE
	252.40				16.00	16.84	GR
TBM 579+0.0					2.60	30.16 30.17	(30.17)
			2.50	32.66 32.67			
580+0.0	211.3				7.9	24.76	GR
	212.3				2.40	30.26	TOP WALL
	214.2				5.20	27.46	GR @ WALL
	223.70				6.00	26.66	CROWN
	244.0				12.60	20.06	FENCE
	251.2				14.50	17.86	TOE
	261.20				14.90	17.76	GR

216.1
223.7

WALKER & AVERY, INC.
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JOB _____ 40
 SHEET NO. _____ 7 OF _____
 CALCULATED BY 4.11 DATE 3-12-57
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	O/S L	O/S R	+	HI	-	ELEI	DESC
				32.66 32.67			
S91+0.0	213.6				8.40	24.26	GR
	214.6				2.47	30.19	TOP WALL
	216.4				5.20	27.46	GR @ WALL
	226.20				5.70	26.96	CROWN
	247.0				13.30	17.36	FENCE
S92+0.0	216.10				8.30	24.36	GR
	217.10				2.42	30.24	TOP WALL
	219.0				5.30	27.36	GR @ WALL
	229.70				5.80	26.86	CROWN
	253.20				14.20	19.46	T&E
	263.20				14.60	18.86	GR
S93+0.0	219.0				7.50	25.16	GR
	220.0				2.49	30.17	TOP WALL
	221.9				5.40	27.26	GR @ WALL
	230.20				5.60	26.86	CROWN
	253.70				13.40	19.26	FENCE
T&M S93+0.0					2.49	30.17 30.18	(30.16)
			2.60	32.77 32.78			
S94+0.0	221.4				7.60	25.17	GR
	222.4				2.57	30.20	TOP WALL
	224.3				5.20	27.57	GR @ WALL
	233.40				6.0	26.77	CROWN
	256.4				14.80	17.97	T&E & FENCE
	260.4				15.20	17.57	GR
S95+0.0	223.9				7.60	25.17	GR
	224.9				2.59	30.18	TOP WALL
	226.8				5.30	27.47	GR @ WALL
	236.3				5.90	26.87	CROWN
	259.8				13.80	18.97	FENCE T&E
	270.0				14.40	18.37	GR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____ 41
 SHEET NO. _____ 6 OF _____
 CALCULATED BY LT DATE 3-12-97
 CHECKED BY _____ DATE _____
 SCALE G S M D BS

STA	0/S L	0/S R	+	HI	-	ELE 1	DESC
				32.77 32.78			
586+0.0	226.40				7.70	25.07	GR
	227.40				2.45	30.32	TOP WALL
	229.3				5.10	27.67	GR @ WALL
	235.90				5.70	27.07	CROWN
	262.30				13.90	18.37	TOE
	269.30				14.40	18.37	FENCE
587+0.0	228.90				7.50	25.27	GR
	229.90				2.37	30.40	TOP WALL
	231.9				5.20	27.89	GR
	240.9				6.0	26.77	CROWN
	263.5				14.00	18.77	FENCE & TOE
	273.0				14.20	18.57	GR
					2.38	30.40	(30.39)
			2.30	32.69			
588+0.0	231.40				7.30	25.39	GR
	232.40				2.28	30.41	TOP WALL
	234.30				5.40	27.29	GR @ WALL
	243.40				5.80	26.89	CROWN
	265.70				14.70	17.99	TOE
	267.70				14.70	17.99	FENCE
	276.0				14.90	17.79	GR
589+0.0	233.3				7.20	25.49	GR
	234.3				2.39	30.30	TOP WALL
	236.20				5.20	27.49	GR @ WALL
	244.9				5.90	26.79	CROWN
	267.0				14.20	18.49	TOE
	270.50				14.40	18.29	FENCE
	277.0				14.90	17.79	GR

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 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
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JOB _____
 SHEET NO. _____ 9 OF _____
 CALCULATED BY Lip DATE 3-12-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	0/S L	0/S R	+	H _I	-	ELEI	DECC
				32.69 ✓			
S90+0.0	235.10				6.80	25.89	GR
	236.10				2.39	30.30	TOP WALL
	238.0				5.20	27.49	GR @ WALL
	246.7				6.0	26.69	CROWN
	268.2				14.60	18.09	TOE
	273.0				14.70	17.99	FENCE
	278.0				14.90	17.79	GR
S91+0.0	236.7				6.90	25.79	GR
	237.7				2.27	30.42	TOP WALL
	239.6				5.10	27.59	GR @ WALL
	248.10				6.0	26.69	CROWN
	269.7				13.90	18.89	TOE
	276.50				14.40	18.29	FENCE
TBM S91+0.0					2.27	30.42	(30.42)
			2.52	32.94			
S92+0.0	238.5				7.10	25.89	GR
	239.5				2.53	30.41	TOP WALL
	241.4				5.40	27.54	GR
	250.40				6.20	26.74	CROWN
	274.20				15.10	17.89	TOE
	284.20				15.50	17.44	GR
S93+0.0	237.8				7.20	25.79	GR
	238.8				2.60	30.39	TOP WALL
	240.7				5.40	27.54	GR @ WALL
	249.4				6.20	26.74	CROWN
	269.0				14.40	18.59	TOE
	279.3				14.90	18.09	FENCE

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JOB _____
 SHEET NO. _____ 10 OF _____
 CALCULATED BY WHA DATE 3-12-97
 CHECKED BY _____ DATE _____
 SCALE GS 1" = 25'

STA	% L	% R	+	HT	-	ELEV	DESC
				32.99			
594+0.0	236.90				6.40	26.59	GR
	237.6				2.73	30.21	TOPWALL
	239.7				5.40	27.54	GR@WALL
	249.9				6.10	26.89	CROWN
	262.6				13.90	19.14	TOE
	279.10				14.30	18.64	FENCE
595+0.0	235.9				7.30	25.64	GR
	236.9				2.62	30.32	TOPWALL
	238.8				5.50	27.44	GR@WALL
	247.9				6.0	26.94	CROWN
	268.8				14.60	18.34	TOE
	279.2				15.0	17.94	FENCE
T&M 595+0.0					2.62	30.32	(30.32)
			2.90	33.22			
596+0.0	235.10				7.70	25.52	GR
	236.10				2.93	30.39	TOPWALL
	238.0				5.70	27.52	GR@WALL
	247.9				6.0	27.22	CROWN
	269.10				14.90	18.32	TOE
	279.0				14.60	18.62	FENCE
597+0.0	234.2				7.60	25.62	GR
	235.2				2.72	30.50	TOPWALL
	237.1				5.40	27.82	GR@WALL
	246.3				5.50	27.72	CROWN
	273.7				14.90	18.32	TOE
	283.7				14.90	18.32	GR

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 1315 FNBC Building
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JOB _____
 SHEET NO. 11 OF _____
 CALCULATED BY LAKE C. [unclear] DATE 3-12-97
 CHECKED BY _____ DATE _____
 SCALE CS MD BS

STA	O/S L	O/S R	J	HI	ELEV	DESC
				33.22		
598+0.0	233.4				7.0 26.22	GR
	234.4				2.77 30.42	TOP WALL
	236.3				5.50 27.72	GR @ WALL
	245.4				6.0 27.22	CROWN
	275.1				15.80 17.42	TOE
	272.6				16.00 17.22	FENCE
	285.0				16.20 17.02	GR
599+0.0	232.6				7.40 25.92	GR
	233.6				2.81 30.41	TOP WALL
	235.5				5.50 27.72	GR @ WALL
	244.6				6.0 27.22	CROWN
	273.6				15.50 17.72	TOE
	277.0				16.0 17.22	FENCE
	283.0				16.0 17.22	GR
TBM 599+0.0					2.91 30.41	(30.41)
			2.45	32.86		
600+0.0	231.7				7.40 25.46	GR
	232.7				2.37 30.49	TOP WALL
	234.6				5.10 27.76	GR @ WALL
	243.8				5.90 26.96	CROWN
	272.5				15.30 17.56	TOE
	276.6				16.10 16.76	FENCE
	282.0				16.20 16.66	GR
601+0.0	230.9				7.10 25.76	GR
	231.9				2.36 30.50	TOP WALL
	233.8				5.30 27.56	GR @ WALL
	243.0				6.30 26.56	CROWN
	265.2				14.70 18.16	TOE
	276.8				15.80 17.06	FENCE

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JOB METAIRIE RELIEF CANAL 45
 SHEET NO. ORLEANS SIDE 12 OF _____
 CALCULATED BY LH -- 3/25/97 DATE 3-13-97
 CHECKED BY _____ DATE _____
 SCALE GS MD PS

STA	O/S L	O/S R	+	HI	ELEV	DESC
				32.86		
602 +0.0	230.0				7.40 25.46	GR
	231.0				2.33 30.53	TOP WALL
	232.9				5.30 27.56	GR @ WALL
	241.5				6.00 26.86	CROWN
	267.3				14.40 18.46	TOE
	275.50				19.90 17.86	@ GARAGE
603 +0.0	229.3				7.50 25.36	GR
	230.3				2.40 30.46	TOP WALL
	232.2				5.30 27.56	GR @ WALL
	241.10				6.10 26.76	CROWN
	269.8				16.20 16.60	TOE
	276.1				16.90 15.96	@ FENCE
	290.0				16.60 16.26	GR
TBM 003 +0.0					2.40 30.96	(30.96)
			2.61	33.07		
604 +0.0	229.4				7.40 25.67	GR
	229.4				2.51 30.56	TOP WALL
	231.3				5.20 27.87	GR @ WALL 7.44
	240.5				5.90 27.17	CROWN 6.74
	269.7				16.60 16.47	TOE -3.96
	279.7				16.90 16.17	GR -4.26
605 +0.0	227.6				7.60 25.47	GR
	229.6				2.58 30.49	TOP WALL
	230.5				5.40 27.67	GR @ WALL
	239.7				6.10 26.97	CROWN
	266.5				16.50 16.57	TOE
	273.4				16.30 16.77	@ FENCE
	276.0				16.20 16.87	GR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____ 46
 SHEET NO. _____ 13 OF _____
 CALCULATED BY DATE 2-13-97
 CHECKED BY _____ DATE _____
 SCALE GS MD PS

STA	% L	% R	+	HI	-	ELEV	DESC
				33.07			
606+0.0	226.8				7.50	25.57	GR
	227.6				2.42	30.65	TOP WALL
	229.7				5.70	27.37	GR @ WALL
	239.6				6.10	26.97	CROWN
	264.0				15.50	17.57	TOE
	272.4				16.10	16.97	@ FENCE 72'
	274.0				16.20	16.87	GR
607+0.0	225.9				7.50	25.57	GR
	226.9				2.41	30.66	TOP WALL
	228.8				5.40	27.67	GR @ WALL
	238.1				5.50	27.57	CROWN
	271.0				14.80	18.27	TOE
	291.0				15.30	17.77	GR
TBM 607+0.0					2.91	30.66	(30.65)
			2.57	33.23 33.22			
608+0.0	225.10				7.30	25.93	GR
	226.10				2.59	30.64	TOP WALL
	228.0				5.40	27.83	GR @ WALL
	232.8				5.60	27.63	CROWN
	262.10				14.90	18.33	TOE
	272.4				15.80	17.43	@ FENCE 5.0
	277.0				16.0	17.24	GR
609+0.0	224.7				7.50	25.73	GR
	225.7				2.59	30.64	TOP WALL
	227.6				5.50	27.73	GR @ WALL
	237.2				6.0	27.23	CROWN
	265.5				14.10	19.13	TOE
	272.3				14.80	18.43	@ FENCE 3'
	275.0				15.40	17.83	GR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 14 OF _____
 CALCULATED BY L -- 3/25/97 DATE 3-13-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	0/S L	0/S R	+	H/I	-	ELEV	DESC
				33.23 33.33			
61010.0	224.4				7.70	25.57	GR
	225.4				2.59	30.64	TOP WALL
	227.3				5.30	27.93	GR@WALL
	236.5				5.40	27.87	CROWN
	264.0				14.20	19.03	TOE
	271.6				15.00	18.23	@ FENCE - 2.5
	274.0				15.00	18.23	GR
61140.0	224.10				7.80	25.43	GR
	225.1						TOP WALL
	227.0				5.30	27.93	GR@WALL
	236.8				5.80	27.43	CROWN
	266.9				13.70	19.53	TOE
	272.3				15.30	17.93	
TBM 61140.0					2.57	30.66 30.65	(30.65)
			2.48	33.14 33.13			
61240.0	223.8				7.3	25.84	GR
	224.8				2.54	30.60	TOP WALL
	226.7				5.40	27.74	GR@WALL
	237.1				5.30	27.84	CROWN
	262.2				13.60	19.54	TOE
	277.2				14.80	18.34	GR
61340.0	223.2				6.80	26.34	GR
	224.2				2.51	30.63	TOP WALL
	226.1				5.40	27.74	GR@WALL
	236.0				5.30	27.84	CROWN
	270.8				14.60	18.54	TOE
	280.8				15.60	17.54	GR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. _____ 15 OF _____
 CALCULATED BY L.H. DATE 3-13-57
 CHECKED BY _____ DATE _____
 SCALE GS MD RS

STA	O/S L	O/S R	+	HT	-	ELEV	DESC
				33.14 33.13			
614+0.0	222.8				7.80	25.34	GR
	223.9				2.50	30.64	TOP WALL
	225.7				5.50	27.64	GR@WALL
	235.5				5.40	27.74	CROWN
	264.8				13.50	19.64	TOE
	276.3				15.20	17.94	@ FENCE
615+0.0	222.50				7.60	25.54	GR
	223.50				2.79	30.36	TOP WALL
	225.40				5.50	27.64	GR@WALL
	235.20				6.0	27.14	CROWN
	255.90				13.20	19.94	TOE
	266.40				14.10	19.04	@ FENCE
	269.90						GR
TBM 615+0.0					2.78	30.36 30.35	(30.39) USE 30.35 to conform with adjustment of error
			2.63	32.98 32.97			
616+0.0	221.20				7.90	25.18	GR
	223.20				2.63	30.35	TOP WALL
	225.0				5.70	27.28	GR@WALL
	232.9				5.90	27.08	CROWN
	263.0				13.10	19.88	TOE
	265.9				13.40	19.58	@ FENCE
	273.0				14.20	18.78	GR
617+0.0	221.8				8.30	24.68	GR
	222.8				2.60	30.38	TOP WALL
	224.7				5.50	27.48	GR@WALL
	235.0				5.50	27.98	CROWN
	261.0				13.10	19.88	TOE
	271.0				15.40	17.58	GR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 16 OF _____
 CALCULATED BY L.H.L. DATE 3-13-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

49

STA	0/5 L	0/5 R	+	HI	-	ELEV	DESC.
				32.70 32.97			
618+0.0	221.50				7.90	25.08	GR
	222.50				2.49	30.50	TOP WALL
	224.40				5.50	27.48	GR@WALL
	234.3				5.60	27.38	CROWN
	262.0				13.80	17.18	TOE
	272.0				15.60	17.30	GR
619+0.0	221.2				7.70	25.23	GR
	222.2				2.50	30.48	TOPWALL
	224.1				5.30	27.68	GR@WALL
	234.0				5.90	27.08	CROWN
	263.0				14.20	18.78	TOE
	266.6				14.90	18.08	FENCE
	273.0				15.70	17.28	GR
TBM 910.0					2.50	30.48 30.47	(30.47)
			2.83	33.31 33.30			
620+0.0	220.9				7.80	25.51	GR
	221.9				2.81	30.50	TOP WALL
	223.8				5.40	27.91	GR@WALL
	233.70				5.70	27.61	CROWN
	265.0				15.50	17.81	TOE
	267.9				15.70	17.61	@ FENCE
	275.0				16.0	17.31	GR
621+0.0	220.6				7.70	25.61	GR
	221.6				2.77	30.54	TOP WALL
	223.5				5.20	27.61	GR@WALL
	233.20				6.10	27.21	CROWN
	264.7				15.80	17.51	TOE
	274.7				16.60	16.71	GR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 17 OF _____
 CALCULATED BY L DATE 3-13-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

50

STA	% L	% R	+	HJ	-	ELEV	DESC
				33.31 33.30			
622+0.0	220.20				7.5	25.81	GR
	221.20				2.72	30.59	TOP WALL
	223.0				5.70	27.61	GR @ WALL
	233.4				5.90	27.41	CROWN
	262.9				15.50	17.81	TOE
	266.7				15.90	17.41	@ FENCE
	273.0				15.90	17.41	GR
623+0.0	219.5				7.50	25.81	GR
	220.9				2.77	30.54	TOP WALL
	222.7				5.60	27.71	GR @ WALL
	232.5				6.0	27.31	CROWN
	261.4				14.90	18.51	TOE
	278.5				16.0	17.31	@ FENCE
624+0.0	219.4				7.60	25.71	GR
	220.4				2.76	30.55	TOP WALL
	222.3				5.60	27.71	GR @ WALL
	233.1				6.20	27.11	CROWN
	260.0				14.40	18.91	TOE
	274.5				15.50	17.81	@ FENCE
TBM 623+0.0					2.77	30.54 30.53	(30.53)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB NEW ORLEANS 51
 SHEET NO. OF FACE SIDE 19 OF _____
 CALCULATED BY AL / 25/57 DATE 3-16-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	0/S L	0/S R	+	HJ	-	ELEV	DESC
			3.21	33.41		30.20	DISH T193 #132 N.O. BOOM
625+0.0	213.0				10.50	22.91	GR
	224.20				5.70	27.71	GR
	229.0				2.82	30.59	TOP WALL
	232.20				5.40	28.21	GR
	239.20				5.20	28.21	GR
	255.20				7.20	26.21	GR
	294.0				10.70	22.71	GR
627+0.0	216.20				7.90	25.51	GR
	217.20				2.80	30.61	TOP WALL
	219.20				6.0	27.41	GR
	230.90				5.90	27.61	CROWN
	261.90				13.70	19.71	TOE
	275.50				14.60	18.81	@ FENCE
628+0.0	214.60				7.80	25.61	GR
	215.60				2.75	30.66	TOP WALL
	217.60				5.50	27.91	GR @ WALL
	229.30				5.90	27.61	CROWN
	266.30				14.90	18.51	TOE
	274.0				16.0	17.41	@ FENCE
629+0.0	212.80				7.60	25.81	GR
	213.80				2.72	30.69	TOP WALL
	215.90				5.70	27.71	GR @ WALL
	225.90				5.50	27.91	CROWN
	258.3				15.20	18.21	TOE
	271.80				16.30	17.11	@ FENCE

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 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____ 52
 SHEET NO. _____ OF _____
 CALCULATED BY Lynn 3/20/77 DATE 3-16-97
 CHECKED BY _____ DATE _____
 SCALE CGM 3/8"

STA	0/5 L	0/5 R	+	H I	-	ELEV	DESC
				33.41 ✓			
630+0.0	211.10				7.50	25.91	GR
	212.10				2.70	30.71	TOPWALL
	214.10				5.90	27.51	GR @ WALL
	236.0				6.0	27.41	CROWN
	255.4				14.70	18.71	TOE
	270.3				16.30	17.11	@ FENCE
TBM 630+0.0					2.71	30.70 ✓	(30.65) ← (6.4' - 0.02')
			2.50	33.18 33.20			--- use 30.70
631+0.0	209.3				7.10	26.10	GR
	210.3				2.46	30.74	TOPWALL
	212.3				5.60	27.60	GR @ WALL
	223.0				5.60	27.60	CROWN
	253.5				14.70	18.50	TOE
	267.9				15.30	17.90	@ FENCE
632+0.0	207.6				7.40	25.80	GR
	208.6				2.41	30.79	TOPWALL
	210.6				5.50	27.70	GR @ WALL
	220.9				5.60	27.60	CROWN
	253.10				15.0	18.20	TOE
	266.6				16.50	16.70	@ FENCE
633+0.0	205.70				7.20	26.00	GR
	206.70				2.39	30.81	TOP WALL
	208.70				5.30	27.90	GR @ WALL
	219.20				5.70	27.50	CROWN
	242.50				14.6	18.60	TOE
	264.20				15.20	18.00	@ FENCE

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 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____ 53
 SHEET NO. _____ OF _____
 CALCULATED BY L.H.L. DATE 2-15-97
 CHECKED BY _____ DATE _____
 SCALE 1" = 10' 0"

STA	O/S L	O/S R	+	H.I.	-	ELEV	DESC
				33.20 33.18			
634+0.0	204.0				7.30	25.90	GR
	205.0				2.33	30.87	TOP WALL
	207.0				5.90	27.40	GR@WALL
	217.6				6.10	27.10	CROWN
	244.7				13.30	19.90	TOE
	262.10				14.0	19.20	@ FENCE
634+29.0	203.8				7.0	26.20	GR (RISE)
	204.8				2.35	30.85	TOP WALL
	206.8				5.30	27.90	GR@WALL
	217.4				5.40	27.80	CROWN
	244.5				12.90	20.40	TOE
	261.9				13.40	19.80	@ FENCE
34+65	186.01				10.10	23.10	GR (LEVEL OFF END OF CONC WALL)
	208.7				3.0	30.20	CROWN
	218.2				3.0	30.20	CROWN B
	262.9				12.60	20.60	TOE @ FENCE
	272.9				13.0	20.20	GR
635+0.0	199.9				10.0	23.20	GR
	213.0				2.50	30.70	CROWN
	220.30				2.70	30.50	CROWN
	261.90				11.50	21.70	TOE @ FENCE
	271.60				13.0	20.20	GR(AVERAGE) AREA LANSCAPED
TBM 634+64.0					2.34	30.86 30.87	(30.87) <u>30.85</u> ← USE
			5.14	35.99 36.77			
636+0.0	181.90				12.60	23.39	GR
	212.70				5.70	30.29	CROWN
	222.70				5.70	30.29	CROWN
	256.70				13.20	22.79	@ FENCE
	266.70				17.20	18.79	GR

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 21 OF _____
 CALCULATED BY L.H.H. 2/2/11 DATE 2-12-9-
 CHECKED BY _____ DATE _____
 SCALE AS M.D.B.S

STA	0/S L	0/S R	+	HI	-	ELEV	DESC.
				35.29 35.47			
637+0.0	181.80				12.50	23.49	TOE
	207.0				5.60	30.39	CROWN
	228.4				5.50	30.49	CROWN
	260.20				12.90	23.09	@ BRICK WALL
	261.40				11.77	24.29	TOP BRICK WALL
	263.40				17.50	18.49	GR
639+0.0	179.4				12.50	23.49	TOE
	204.6				5.90	30.09	CROWN
	225.6				5.80	30.19	CROWN
	266.6				16.20	19.79	TOE
	276.0				17.10	18.89	GR
639+0.0	177.50				11.70	24.29	TOE
	202.50				5.50	30.49	CROWN
	226.50				5.70	30.29	GR
	257.0				8.70	27.29	GR
TBM	257.0				17.10	18.89	GR
					7.29	28.75 28.73	(28.74)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB METAIRIE RELIEF CANAL 55
 SHEET NO. ORLEANS SIDE 22 OF _____
 CALCULATED BY _____ DATE 3-19-87
 CHECKED BY _____ DATE _____
 SCALE AS MD QS

STA	% L	% R	+	HI	-	ELEV	DESC
T&M 123		35.0 3.50 6.0 40.0 7.0	5.84	30.64 26.62		30.60 30.79 24.42 33.24 33.14 25.14 19.04	S-ECUR. OF CONC SUPPORT @ TOP LEVEL (add 0.02') TOE CROWN CROWN GR GR
645+0.0	193.20 222.20 2.50 230.20 34.0 261.70 60.0 297.70	34.50 5.50				12.80 3.60 3.50 12.90 15.70 11.95	TOE CROWN 227.67 CROWN R± GR (29.67)
TP 7			12.23	36.92 36.90			
650+0.0	192.90 222.90 1.00 229.90 36.00 264.90 70.00 298.90 78.00 306.90	36.00 6.50				12.90 3.60 3.50 10.20 14.80 16.60 10.79	TOE CROWN 228.93 CROWN @ FENCE TOE GR (26.11)
TP 6							
TP 5			12.83	38.50		25.08 25.67	(25.67) ✓ add 0.01' (1/2 of Loop)
655+0.0	187.20 217.20 226.20 38.00 266.20 58.00 288.20 75.00 305.20	43.00 13.0 4.0				14.50 5.20 5.30 13.40 16.40 18.60 12.20	TOE CROWN CROWN 230.19 @ FENCE GR GR (26.29) ✓ add 0.01' (1/2 of Loop)
.4						26.31 26.30	use 26.30

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB METAIRIE RELIEF CANAL
 SHEET NO. 6 OF
 CALCULATED BY DATE 2-20-97
 CHECKED BY DATE
 SCALE GS MD BS

STA	% L	% R	+	HI	-	ELEV	DESC.
550+22.11			6.51	35.71		29.20	U.S.C.M. MON. (29.20) ←
554+0.0		5.0			5.40	30.71	CROWN
		25.50			14.00	21.71	TOE
		27.50			14.07	21.64	E/R
		33.50			14.47	21.24	ER
	1.0				5.00	30.71	CROWN
	2.0				1.53	34.13	TOP WALL
	3.0				5.30	30.41	CROWN
26.30					12.90	22.81	TOE
49.00					13.90	21.91	WATERS EDGE
555+0.0		5.0			5.50	30.21	CROWN
		26.00			14.70	21.01	TOE
		28.00			14.98	20.73	E/R
		36.50			15.51	20.20	ERD
	1.0				5.20	30.51	
	2.40				1.53	34.13	TOP WALL
	3.40				5.50	30.21	
24.40					12.60	23.11	TOE
52.70					13.90	21.91	WATERS EDGE
556+0.0		4.0			5.90	29.91	
					15.00	20.71	TOE
		27.50			15.20	20.51	E/R
		34.80			15.62	20.09	ERD
	2.40				5.50	30.21	
	3.00				1.55	34.16	TOP WALL
	3.40				5.90	29.91	
24.70					12.90	22.91	TOE
52.00					13.90	21.81	WATER'S EDGE
557+0.0		4.0			6.10	29.61	
		25.00			15.40	20.31	TOE
		27.00			15.61	20.10	E/R
		34.70			15.92	19.79	ERD
	2.50				5.90	29.81	
	3.50				1.63	34.08	TOP WALL
	4.00				6.30	29.41	
26.00					13.10	22.61	TOE

+ HI - ELEV
 6.05 35.25 (29.20 EM)
 6.34
 BRIDGE
 HAMMOND HWY H-108 (29.91 EM)
 6.20 35.11
 5.91 (29.20 BM)
 JEFFERSON LEVEE SECTIONS:
 HAMMOND HWY TO R/R

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB MEFAIRIE RELIEF CANAL

SHEET NO. JEFFERSON SIDE 7 OF _____

CALCULATED BY 1/17/27 DATE 2-20-97

CHECKED BY _____ DATE _____

SCALE GS MD BS

STA	o/s L	o/s R	+	HI	-	ELEV	DESC
				35.71			
SS7+0.0	51.90				13.90	21.91	WATERS EDGE
TBM				34.58	1.54	34.17	SS6+0.0 (3416)
			0.41	34.57			
SS8+0.0		1.50			5.30	29.28	CROWN
		25.00			14.70	19.23	TOE
		27.00			14.74	19.84	E/R
		34.90			15.10	19.48	E RD.
	3.90				4.90	29.78	GR
	4.90				0.46	34.12	TOP WALL
	5.90				5.10	29.48	CROWN
	27.30				12.00	22.58	TOE
	52.10				12.30	22.28	WATERS EDGE
SS9+0.0		1.20			5.50	29.03	CROWN
		25.50			14.90	19.63	TOE
		27.50			15.09	19.49	E/R
		39.50			15.33	19.20	E RD
	5.00				4.90	29.63	CROWN
	6.00				0.50	34.08	TOP WALL
	7.00				4.90	29.68	CROWN
	27.70				12.10	22.48	TOE
	51.70				12.50	22.08	WATERS EDGE
SS6+0.0		0.0			5.20	29.38	CROWN
		25.00			14.20	20.38	TOE
		27.0			14.32	20.26	E/R
		34.70			14.67	19.91	E RD.
	6.00				4.90	29.68	GR
	7.00				0.51	34.07	TOP WALL
	8.00				5.30	29.28	CROWN
	29.90				11.90	22.78	TOE
	50.00				12.20	22.38	WATERS EDGE
TBM					0.51	34.07	SS6+0.0
			0.76	34.83		34.06	
				34.82			
SS61+0.0		24.30			15.40	19.43	TOE
		29.50			15.46	19.37	E/R
		25.30			15.69	19.15	E RD

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th St. Canal
 SHEET NO. 8 OF
 CALCULATED BY L.H.L. 3/17/57 DATE 2-20-57
 CHECKED BY DATE 2-23-57
 SCALE GS MD BS

TA	0/5 L	0/5 R	+	HI	-	ELEV	DESC
				34.33			
				34.82			
561+0.0	1.50				5.50	29.33	CROWN
	7.50				5.20	29.63	GR
	8.50				0.77	34.06	TOP WALL
	9.50				5.20	29.63	CROWN
	29.20				12.50	22.33	TOE
	50.30				12.90	22.03	WATERS EDGE
562+0.0		24.50			15.20	19.63	TOE
		27.50			15.22	19.61	E/R
		34.30			15.49	19.34	GRD.
	3.00				5.40	29.43	CROWN
	9.00				5.00	29.83	GR
	10.00				0.73	34.10	TOP WALL
	11.00				5.20	29.63	CROWN
	30.90				12.00	22.83	TOE
	49.40				12.80	22.03	WATERS EDGE
563+0.0		24.00			15.10	19.73	TOE
		26.00			15.24	19.59	E/R
		32.00			15.46	19.37	GRD
	3.00				5.60	29.23	CROWN
	10.00				5.30	29.53	GR
	11.00				0.82	34.01	TOP WALL
	12.00				5.90	28.93	CROWN
	30.50				12.40	22.43	TOE
	49.30				12.80	22.03	WATERS EDGE
TBM 564+0.0					0.75	34.07	(34.08)
			0.28	34.36			
		21.00			13.90	20.46	TOE
		22.50			14.00	20.36	E/R
		30.00			14.38	19.98	GRD (ASPHALT ROAD 13.70 WIDE)
	4.0				5.10	29.26	CROWN
	10.00				4.90	29.46	GR
	11.00				0.28	34.08	TOP WALL
	12.00				5.50	28.86	GR
	29.20				12.10	22.26	TOE PP @ TOE
	49.50				12.40	21.96	WATERS EDGE ANCHOR & GUY @ WATERS EDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. _____ OF _____
 CALCULATED BY W - 3/17/27 DATE 7-22-97
 CHECKED BY _____ DATE _____
 SCALE AS MD GS

STA	0/S L	0/S R	+	HI	-	ELEV	DESC
				34.36			
565+0.0		22.00			15.10	19.26	TOE
		23.50			15.17	19.19	E/R
		30.50			15.52	18.84	E RD
	4.00				5.20	29.16	CROWN
	10.00				5.00	29.36	GR
	11.00				0.23	34.08	TOP WALL
	12.00				5.20	29.06	GR
	30.00				11.80	22.56	TOE
	42.00				12.40	21.96	WATERS EDGE
566+0.0		22.30			14.50	19.86	TOE
		23.90			14.62	19.74	E/R
		30.70			14.97	19.39	E RD
	4.00				5.20	29.16	CROWN
	10.00				5.00	29.36	GR
	11.00				0.23	34.08	TOP WALL
	12.00				5.20	29.16	GR
	32.50				11.50	22.86	TOE
	40.00				12.40	21.96	WATERS EDGE
567+0.0		22.00			14.50	19.86	TOE
		24.50			14.53	19.83	E/R
		31.80			14.93	19.43	E RD
	4.00				5.00	29.36	CROWN
	10.50				4.90	29.46	GR
	11.00				0.33	34.03	TOP WALL
	12.00				5.50	28.86	GR
	32.00				11.90	22.46	TOE
	50.50				12.40	21.96	WATERS EDGE
TBM 568+0.0					0.36	34.00	(34.00)
			0.92	34.92			
568+0.0		23.00			15.60	19.32	TOE
		25.00			15.63	19.29	E/R
		31.30			16.06	18.86	E RD
	4.00				5.40	29.52	CROWN
	10.50				5.40	29.52	GR
	11.00				0.92	34.00	TOP WALL

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th St Canal
 SHEET NO. _____ OF _____
 CALCULATED BY WALL 3/17/87 DATE 2-22-87
 CHECKED BY _____ DATE _____
 SCALE AS SHOWN

STA	O/S L	O/S R	+	HI	-	ELEV	DESC
				34.92			
563+0.0	12.00				5.30	29.62	GR
	30.00				12.40	22.52	TOE
	39.40				13.10	21.82	WATERS EDGE
569+0.0		22.90			15.40	19.52	TOE
		24.50			15.56	19.36	E/R
		30.80			15.92	19.00	GRD
	4.30				5.20	29.72	CROWN
	10.50				5.10	29.82	GR
	11.30				0.95	34.06	TOP WALL
	12.30				5.60	29.32	GR
	31.90				11.90	23.02	TOE
	34.90				13.10	21.82	WATERS EDGE
570+0.0		22.00			15.50	19.42	TOE
		24.00			15.56	19.36	E/R
		30.00			15.96	18.96	GRD
	4.50				5.40	29.52	CROWN
	10.50				5.10	29.82	GR
	11.30				0.84	34.08	TOP WALL
	12.30				5.20	29.72	GR
	30.30				12.70	22.22	TOE
	47.00				13.10	21.82	WATERS EDGE
571+0.0		21.80			14.60	20.32	TOE
		24.00			14.67	20.25	E/R
		30.00			14.96	19.96	GRD
	4.00				5.10	29.82	CROWN
	10.50				5.00	29.92	GR
	11.50				0.95	34.07	TOP WALL
	12.50				5.30	29.62	GR
	34.00				12.80	22.12	TOE
	52.00				13.10	21.82	WATERS EDGE
572+0.0		21.90			15.40	19.52	TOE
		24.50			15.46	19.46	E/R
		30.70			15.87	19.05	GRD
	4.50				5.60	29.92	CROWN
	10.50				5.00	29.92	GR

WALKER & AVERY, INC.
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JOB _____
 SHEET NO. _____ OF _____
 CALCULATED BY W.A. 3/17/37 DATE 2-23-95
 CHECKED BY _____ DATE _____
 SCALE AS SHOWN

STA	0/S L	0/S R	+	H I	-	ELEV	DESC
				34.92			
572+0.0	11.50				0.96	34.06	TOP WALL
	12.50				6.00	28.92	GR
	31.90				12.30	22.62	TOE
	47.30				13.10	21.82	WATERS EDGE
T&M 572+0.0					0.96	34.06	(34.06)
			1.03	35.09			
573+0.0		23.00			15.90	19.19	TOE
		24.50			15.84	19.25	E/R
		32.00			16.20	18.89	GRD
	4.30				5.30	29.79	CROWN
	10.70				4.90	30.19	GR
	11.50				0.99	34.10	TOP WALL
	12.50				5.70	29.39	GR
	32.90				12.50	22.59	TOE
	49.20				13.20	21.89	WATERS EDGE
574+0.0		22.30			16.00	19.09	TOE
		24.00			16.00	19.09	E/R
		30.30			16.36	18.73	GRD
	4.50				5.40	29.69	CROWN
	10.50				5.20	29.89	GR
	11.60				1.24	33.85	TOP WALL
	12.60				5.40	29.69	GR
	32.40				12.40	22.69	TOE
	38.90				13.30	21.79	WATERS EDGE
575+0.0		22.50			15.50	19.59	TOE
		24.80			15.46	19.63	E/R
		31.20			15.86	19.23	GRD
	4.50				5.30	29.79	CROWN
	10.80				5.20	29.89	GR
	11.70				1.41	33.68	TOP WALL
	12.70				5.60	29.49	GR
	32.90				12.40	22.69	TOE
	37.70				13.30	21.79	WATERS EDGE

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 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB MEADOW RELIEF CANAL
 SHEET NO. JEFFERSON SIDE 12 OF _____
 CALCULATED BY LHW/L 3/17/97 DATE 2-23-97
 CHECKED BY _____ DATE 2-25-97
 SCALE AS SHOWN

STA	0% L	0% R	+	HI	-	ELEV	DESC
				35.09			
576+0.0		22.50			16.00	19.09	TOE
		24.30			15.90	19.13	E/R
		31.30			16.40	18.69	GRD (14' WIDE)
	4.00				5.50	29.59	CROWN
	10.90				5.70	29.39	GR
	11.70				1.63	33.46	TOP WALL
	12.70				6.40	28.69	GR
	32.70				13.30	21.79	TOE & WATER'S EDGE
TBM 576+0.0					1.63	33.46	(33.47)
			1.50	34.70 34.97			
577+0.0		21.70			15.10	19.86	TOE
		24.00			15.19	19.77	E/R
		31.00			15.68	19.28	GRD
	4.0				5.50	29.46	CROWN
	10.90				5.40	29.56	GR
	11.70				1.77	33.19	TOP WALL
	12.70				5.80	29.16	GR
	31.00				11.00	23.16	TOE
	39.00				12.10	22.86	WATER'S EDGE
578+0.0		21.90			15.40	19.56	TOE
		23.40			15.56	19.40	E/R
		28.80			15.82	19.14	GRD
	5.00				5.40	29.56	CROWN
	11.30				5.20	29.76	GR
	12.60				1.84	33.12	TOP WALL
	13.00				5.20	29.76	GR
	34.80				11.80	23.16	TOE
	44.50				12.20	22.76	WATER'S EDGE
579+0.0		17.40			14.40	20.56	TOE
		20.20			14.62	20.34	E/R
		26.20			14.86	20.10	GRD
	5.00				5.20	29.76	CROWN
	12.00				4.90	30.06	GR
	12.60				2.09	32.87	TOP WALL

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 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 13 OF _____
 CALCULATED BY LANE 3/17/97 DATE 3-17-97
 CHECKED BY _____ DATE _____
 SCALE CC M D G S

STA	0/S L	0/S R	+	HI	-	ELEV	DESC
				34.96 24.77			
579+0.0	13.60				5.00	29.96	GR
	31.80				12.20	22.76	TOE
	37.90				12.20	22.76	WATERS EDGE
580+0.0		16.00			14.20	20.76	TOE
		17.50			19.40	20.56	E/R
		23.80			14.79	20.17	GRD (12.70 ASPHALT)
	5.00				5.40	29.56	CROWN
	11.80				5.10	29.86	GR
	12.50				2.39	32.57	TOP WALL
	13.50				5.40	29.56	GR
	32.00				12.20	22.76	TOE
	36.60						WATERS EDGE
TBM 580+0.0					2.39	32.57 32.58	(32.58)
			2.59	35.16 35.17			
581+0.0		15.50			14.70	20.46	TOE
		16.70			14.92	20.34	E/R
		23.00			15.19	19.98	GRD
	5.0				5.60	29.56	CROWN
	12.0				5.60	29.56	GR
	12.70				2.91	32.35	TOP WALL
	13.70				5.90	29.26	GR
	35.40				13.00	22.16	TOE
	59.70				12.30	22.86	WATERS EDGE (TOP WATER)
582+0.0		15.00			14.50	21.66	TOE
		16.60			14.65	20.51	E/R
		22.70			15.09	20.08	GRD
	6.00				5.60	29.56	CROWN
	12.00				5.10	30.06	GR
	13.00				3.00	32.16	TOP WALL
	14.00				5.50	29.66	GR
	32.20				12.80	22.36	TOE
	59.70				12.30	22.86	WATERS EDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 14 OF _____
 CALCULATED BY WALL 3/17/27 DATE 2-26-97
 CHECKED BY _____ DATE _____
 SCALE AS MD BS

STA	O/S L	O/S R	+	HI	-	ELEV	DESC
				35.16 35.17			
583+0.0		17.30			15.00	20.16	TOE
		18.50			15.12	20.04	E/R
		24.20			15.34	19.82	GRD
	5.00				5.20	29.96	CROWN
	12.00				5.30	29.86	GR
	12.70				3.00	32.16	TOP WALL
	13.70				6.10	29.06	GR
	32.20				12.80	22.36	TOE
	49.20				12.30	22.86	WATERS EDGE
584+0.0		20.00			15.00	20.16	TOE
		21.30			15.10	20.06	E/R
		27.00			15.32	19.84	GRD
	4.00				5.30	29.86	CROWN
	11.70				5.10	30.06	GR
	12.30				2.87	32.29	TOP WALL
	13.30				5.90	29.26	GR
	31.60				12.30	22.86	TOE
	38.80				12.30	22.86	WATERS EDGE
TBM 584+0.0					2.87	32.30	(32.29)
			2.83	35.12			
585+0.0		19.20			15.80	19.32	TOE
		21.00			15.75	19.37	E/R
		27.60			15.70	19.42	GRD
	4.0				5.30	29.82	CROWN
	11.40				5.40	29.72	GR
	12.00				2.92	32.70	TOP WALL
	13.00				6.10	29.02	GR
	30.50				12.40	22.72	TOE
	42.00				12.30	22.82	WATERS EDGE
586+0.0		20.20			15.50	19.62	TOE
		21.70			15.55	19.57	E/R
		31.30			16.02	19.10	E/R
		32.30			16.10	19.02	GR

DRPHEUM
 LILIC ST. ROAD ENDS
 JOGGING ROAD STARTS

WALKER & AVERY, INC.
 1315 FNBC Building
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 Phone 581-6683

JOB 17th St. Canal
 SHEET NO. 15 OF
 CALCULATED BY DATE 3/7/72
 CHECKED BY DATE
 SCALE 6.5 M D B E

STA	0/S L	0/S R	+	H/I	-	ELEV	DESC
				35.12			
586+0.0	4.00				5.20	29.92	CROWN
	10.50				5.30	29.82	GR
	11.30				2.93	32.19	TOP WALL
	12.30				5.40	29.72	GR
	30.10				12.30	22.82	TOE
	45.80				12.30	22.82	WATERS EDGE
587+0.0		21.00			15.00	20.12	TOE
		21.50			15.10	20.02	E/R
		29.70			15.33	19.79	E/R
		30.70			15.80	19.32	GR
	3.50				5.50	29.62	CROWN
	9.80				5.50	29.62	GR
	10.50				2.89	32.23	TOP WALL
	11.50				6.00	29.12	GR
	31.20				12.30	22.82	TOE
	47.50				12.30	22.82	WATERS EDGE
588+0.0		19.90			14.60	20.52	TOE
		20.00			14.77	20.35	E/R
		27.50			15.28	19.84	E/R
		28.50			15.60	19.52	GR
	2.00				5.50	29.62	CROWN
	9.20				5.40	29.72	GR
	9.80				2.97	32.15	TOP WALL
	10.80				5.50	29.62	GR
	30.30				12.70	22.12	TOE
	52.80				12.30	22.82	WATERS EDGE
TBM 588+0.0					2.97	32.15	(32.15)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th St. Canal
 SHEET NO. 12 OF
 CALCULATED BY DATE 2-29-97
 CHECKED BY DATE
 SCALE 3/8" = 1' 0"

STA	0/5 L	0/5 R	+	HI	-	ELEV	DESC
TEM S99+0.0			2.14	35.29		32.15	
S99+0.0		20.20			13.90	21.37	TOE
		20.20			14.03	21.21	E/R > ASPHALT PATH
		27.70			14.60	20.69	E/R
		29.70			15.70	20.09	GR
	3.50				5.60	29.69	CROWN
	9.50				5.40	29.09	GR
	10.00				3.03	32.21	TOP WALL
	11.00				5.30	29.99	GR
	33.00				12.50	22.79	TOE
	49.90				12.60	22.69	WATERS EDGE
S90+0.0		20.60			12.70	22.59	TOE
		23.70			12.80	22.49	E/R > ASPHALT PATH
		29.90			13.19	22.11	E/R
		31.70			14.00	21.29	@ FENCE
	1.00				5.30	29.99	CROWN
	10.00				5.30	29.99	GR
	19.60				3.06	32.23	TOP WALL
	11.60				5.50	29.79	GR
	35.60				12.50	22.79	TOE
	57.60				12.60	22.69	WATERS EDGE
STEPS S90+39.70		22.40			11.14	24.15	CONC STEPS
		23.40			11.35	23.44	ASPHALT
		31.20			12.63	22.66	ASPHALT
	2.30				4.09	31.21	CONC
	2.30				4.69	30.61	ASPHALT
	10.60				4.89	30.40	ASPHALT
STEPS S90+48.50		22.30			11.14	24.15	CONC STEPS
		22.30			11.67	23.62	ASPHALT
		31.00			12.41	22.88	ASPHALT
	2.90				4.14	31.15	CONC

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB NEW ORLEANS SIDE 1
 SHEET NO. JEFFERSON SIDE 17 OF _____
 CALCULATED BY _____ DATE 7-25-97
 CHECKED BY _____ DATE 7-25-97
 SCALE AS SHOWN

TA	% I	% R	t	HI	-	ELEV	DESC
				35.29 ✓			
59140.0		19.20			12.20	23.09	TOE
		31.30			13.20	22.09	FENCE
	2.00				4.65	30.64	ASPHALT
	10.00				4.60	30.69	ASPHALT
	11.30				3.07	32.22	TOP WALL
	12.30				5.60	29.69	GR
	39.60				12.50	22.79	TOE
	60.00				12.60	22.69	WATERS EDGE
59240.0		20.00			12.80	22.49	TOE
		29.70			13.90	21.49	@ FENCE
	2.00				4.70	30.57	ASPHALT
	10.30				4.50	30.79	ASPHALT
	11.30				2.99	32.30	TOP WALL
	12.30				5.60	29.69	GR
	35.50				12.50	22.79	TOE
	50.30				12.60	22.69	WATERS EDGE
TEM 59240.0					2.99	32.30 ✓	(32.30)
			3.51	35.81 ✓			
59340.0		22.10			13.60	22.21	TOE
		29.10			15.00	20.81	@ FENCE
	3.20				5.61	30.20	ASPHALT
	9.9				5.30	30.51	"
	11.90				3.60	32.21	TOP WALL
	12.90				6.20	29.31	GR
	34.9				13.00	22.31	TOE
	58.20				12.40	23.41	WATERS EDGE (HEAVY RAIN)
59440.0		23.20			14.40	21.40	TOE
		30.90			15.40	20.41	BRICK CHAIN WALL
	3.00				5.40	30.41	ASPHALT
	11.50				5.34	30.47	"
	12.70				3.69	32.12	TOP WALL
	13.70				6.20	29.61	GR
	36.0				12.70	22.91	TOE
	61.50						WATERS EDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 18 OF _____
 CALCULATED BY _____ DATE 2-26-87
 CHECKED BY _____ DATE _____
 SCALE AS M.D.B.S

STA	% L	% R	+	HI	-	ELEV	DESC
				35.81			
S95+0.0		21.8			19.60	21.21	TOE
		29.4			15.60	20.21	@ FENCE
	3.7				5.57	30.24	ASPHALT
	11.7				5.65	30.16	"
	13.0				3.64	32.17	TOP WALL
	14.0				6.50	29.31	GR
	35.5				13.0	22.31	TOE
	58.2						WATERS EDGE
S96+0.0		20.9			14.0	21.81	TOE
		30.9			15.30	20.51	@ BRICK CHAIN WALL
	3.9				5.90	30.41	ASPHALT
	12.9				5.22	30.57	"
	13.4				3.57	32.24	TOP WALL
	14.4				6.10	29.21	GR
	36.2				12.9	22.71	TOE
	56.6						WATERS EDGE
TBM S96+0.0			0.86	33.10	3.57	32.24	(32.25)
S97+0.0		20.7			11.30	21.8	TOE
		30.7			12.50	20.6	GR
	4.6				2.85	30.25	ASPHALT
	12.6				2.79	30.31	"
	13.9				0.84	32.26	TOP WALL
	14.9				3.80	29.3	GR
	35.9				10.30	22.9	TOE
	53.9						WATERS EDGE
S98+0.0		19.5			12.00	21.1	TOE
		29.6			12.90	20.2	GR
	5.3				2.79	30.31	ASPHALT
	13.3				2.62	30.48	"
	14.0				0.80	32.30	TOP WALL
	15.0				3.50	29.6	GR
	36.3				10.90	22.7	TOE
	62.3						WATERS EDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. _____ 19 OF _____
 CALCULATED BY _____ DATE 2-26-95
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	% L	% R	+	HJ	-	ELEV	DESC
				33.10			
599+0.0		18.7			11.4	217	TOE
		28.8			12.2	209	GR
	5.5				2.8	303	ASPHALT
	13.8				2.68	3042	"
	14.5				0.80	3230	TOP WALL
	15.5				3.60	295	GR
	39.8				10.40	227	TOE
	60.0						WATERS EDGE
600+0.0		14.9			10.90	223	TOE
		28.5			12.60	205	GR
	6.4				2.55	3055	ASPHALT
	14.2				2.31	3079	"
	14.9				0.69	3241	TOP WALL
	15.9				3.10	302	GR
	37.7				10.40	227	TOE
	55.4						WATERS EDGE
T&M 600+0.0				16	0.69	3241 3242	(32.42)
			0.75	33.17			
601+0.0		15.6			10.7	225	TOE
		25.6			12.10	211	GR
	6.4				2.74	304	ASPHALT
	14.7				2.52	3064	"
	15.5				0.85	3231	TOP WALL
	16.5				3.10	301	GR
	40.7				10.40	228	TOE
	53.0						WATERS EDGE
602+0.0		15.9			11.20	2196	TOE
		25.9			12.20	2096	GR
	6.6				3.01	3015	ASPHALT
	15.10				2.66	3050	"
	15.7				0.77	3239	TOP WALL
	16.7				3.10	301	GR
	39.7				10.20	230	TOE
	56.1						WATERS EDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 20 OF _____
 CALCULATED BY _____ DATE 2-26-97
 CHECKED BY _____ DATE _____
 SCALE GS M7 BS

STA	% L	% R	+	HJ	-	ELEV	DESC
603+0.0		16.8		32.77 1/2	11.10	22.1	TOE
		26.8			12.10	21.1	GR
	7.7				2.85	30.31	ASPHALT
	15.7				2.56	30.6	"
	16.5				0.79	32.37	TOP WALL
	17.5				3.10	30.4	GR
	41.9				10.20	23.0	TOE
	55.9						WATERS EDGE
604+0.0		13.8			11.10	22.1	TOE
		23.8			12.0	21.2	GR
	8.6				2.79	30.37	ASPHALT
	16.10				2.58	30.58	"
	16.9				0.79	32.37	TOP WALL
	17.8				3.10	30.06	GR
	39.6				10.20	22.96	TOE
	59.6						WATERS EDGE
TBM 604+0.0					0.81	32.35 32.36	(32.35)
604+73.40		12.0	0.62	32.97	9.91	23.06	CONC. STEPS
	12.60				2.19	30.73	
604+82.40		12.00			10.05	22.92	CONC. STEPS
	12.60				2.14	30.33	
605+0.0		14.7			10.50	22.5	TOE
		24.7			11.9	21.1	GR
	9.3				2.63	30.34	ASPHALT
	16.5				2.43	30.54	"
	17.3				0.62	32.35	TOP WALL
	18.3				2.80	30.2	GR
	39.7				10.00	23.0	TOE
	51.3						WATERS EDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 21 OF _____
 CALCULATED BY _____ DATE 2-26-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	% L	% R	+	H S	-	ELEV	DESC
				32.97 ✓			
606+0.0		17.2			12.20	208	TOE
		27.2			13.70	193	GR
	9.5				2.92	3005	ASPHALT
	17.3				2.54	3043	"
	18.0				0.60	3237	TOP WALL
	19.0				3.30	297	GR
	42.4				10.0	230	TOE
	50.6						WATERS EDGE
607+0.0		19.0			12.10	209	TOE
		29.0			13.10	199	GR
	9.7				2.48	3049	ASPHALT
	17.2				2.40	306	"
	17.9				0.60	3237	TOP WALL
	18.9				3.10	299	GR
	42.2				9.80	232	TOE
	52.2						WATERS EDGE
608+0.0		18.8			12.10	209	TOE
		24.6			13.20	198	@ FENCE
	9.4				2.31	3066	ASPHALT
	16.9				2.28	3069	"
	17.9				0.46	3251	TOP WALL
	18.9				2.90	3007	GR
	41.2				9.80	232	TOE
	52.4						WATERS EDGE
TEM 609+0.0				36.29 36.28	0.46	32.51 ✓	(32.50)
609+0.0		12.9			13.10	232	TOE
		22.4			13.80	225	GR
	9.6				5.73	3056	ASPHALT
	17.6				5.60	307	"
	18.3				3.77	3252	TOP WALL
	19.3				5.90	304	GR
	40.6				13.10	232	TOE
	51.6						WATERS EDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB METAIRIE RELIEF CANAL
 SHEET NO. JEFFERSON SIDE 22 OF _____
 CALCULATED BY _____ DATE 7-26-57
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	O/S L	O/S R	+	HI	-	ELEV	DESC
				36.28			
610+0.0		12.3			11.9	24.4	TOE
		22.3			12.6	23.2	GR
	9.7				5.45	30.84	ASPHALT
	17.7				5.31	30.93	"
	18.7				3.85	32.44	TOPWALL
	19.7				6.0	30.3	GR
	41.2				13.50	22.9	TOE
	50.7						WATERS EDGE
611+0.0		10.6			12.10	24.2	TOE
		20.6			12.90	23.4	GR
	9.9				5.53	30.70	ASPHALT
	17.9				5.43	30.80	"
	19.2				3.79	32.53	TOPWALL
	20.2				6.20	30.7	GR
	40.2				13.10	23.19	TOE
	48.6						WATERS EDGE
612+0.0		11.8			12.30	23.97	TOE
		21.8			12.90	23.4	GR
	10.0				5.71	30.58	ASPHALT
	17.5				5.55	30.74	"
	19.0				3.86	32.43	TOPWALL
	20.0				6.10	30.19	GR
	41.6				13.90	22.99	TOE
	52.6						WATERS EDGE
TBM 612+0.0					3.86	32.42	(32.42)
TBM 609+0.0			0.31	32.80		32.50	
					11.15	21.65	JPE 43C
			11.29	32.99			
612+0.0					0.97	32.42	(32.42)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 23 OF _____
 CALCULATED BY _____ DATE 2-26-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	0/5 L	0/5 R	I	H I	-	ELEV	DESC
TBM 612+0.0			3.19	35.61		32.42	
613+0.0		12.9			11.0	24 ⁶ / ₃	TOE
		22.9			11.90	23 ³ / ₃	GR
	9.8				5.30	30 ³ / ₃	ASPHALT
	16.8				5.06	30 ⁵⁵ / ₃	"
	18.3				3.17	32 ⁴⁴ / ₃	TOP WALL
	19.3				5.70	29 ⁹¹ / ₃	GR
	41.4				12.66	23 ⁰ / ₃	TOE
							WATERS EDGE
614+0.0		15.20			11.60	24 ² / ₃	TOE
		25.5			12.90	22 ³ / ₃	GR
	8.5				5.56	30 ⁰⁵ / ₃	ASPHALT
	15.9				5.19	30 ⁴² / ₃	"
	17.9				3.33	32 ²⁸ / ₃	TOP WALL
	18.6				6.10	29 ⁵ / ₃	GR
	36.5				12.60	23 ⁰ / ₃	TOE
							WATERS EDGE
615+0.0		23.4			13.30	22 ³ / ₃	TOE
		26.3			14.20	21 ⁴ / ₃	GR
	8.4				5.93	30 ¹⁸ / ₃	ASPHALT
	16.0				5.20	30 ⁴ / ₃	"
	17.4				3.59	32 ⁰² / ₃	TOP WALL
	18.4				6.00	29 ⁶ / ₃	GR
	38.2				12.60	23 ⁰ / ₃	TOE
							WATERS EDGE
616+0.0		16.8			13.20	22 ⁴ / ₃	TOE
		22.9			14.30	21 ³ / ₃	GR
	8.2				5.65	29 ⁹⁶ / ₃	ASPHALT
	15.6				5.14	30 ⁴⁷ / ₃	"
	16.9				3.59	32 ⁰² / ₃	TOP WALL
	17.9				6.00	29 ⁶ / ₃	GR
	39.2				12.70	22 ⁹ / ₃	TOE
							WATERS EDGE
TBM 616+0.0					3.59	32.02	(32.02)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 25 OF _____
 CALCULATED BY _____ DATE 2-26-37
 CHECKED BY _____ DATE _____
 SCALE GS MD RS

STA	0% L	0% R	+	H I	-	ELEV	DESC
				32.90			
620+0.0		17.3			11.10	2170	TOE
		31.6			12.10	20 64	GR
	5.9				2.16	306	ASPHALT
	13.9				2.04	3076	"
	15.0				0.69	3211	TOP WALL
	16.0				3.20	2960	GR
	32.7				10.00	228	TOE
							WATERS EDGE
TBM 620+0.0			0.62	32.93	0.69	32.11	(32.11)
621+0.0		20.40			10.50	2243	TOE
		34.7			12.80	2013	GR
	4.1				2.48	3045	ASPHALT
	12.0				2.31	3062	"
	13.0				0.96	3207	TOP WALL
	14.0				3.30	296	GR
	38.0				10.20	227	TOE
							WATERS EDGE
622+0.0		20.20			10.0	229	TOE
		36.20			12.40	205	GR
	2.70				2.91	3052	ASPHALT
	16.20				2.30	306	"
	11.10				0.71	3222	TOP WALL
	12.10				3.10	298	GR
	32.80				10.20	227	TOE
							WATERS EDGE
623+0.0		0.60			2.54	3034	ASPHALT
		21.10			9.40	235	TOE
		36.4			11.70	212	GR
	7.4				2.34	3059	ASPHALT
	8.6				0.80	3213	TOP WALL
	9.6				2.80	301	GR
	36.6				10.40	225	TOE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB METAIRIE RELIEF CANAL
 SHEET NO. 26 OF _____
 CALCULATED BY _____ DATE 7-26-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	0/5 L	0/5 R	+	HI	-	ELEV	DESC
				32.93			
624+0.0		1.50			2.40	305	ASPHALT
		23.2			8.90	240	TOE
		36.6			16.00	229	GR
	5.80				2.07	3086	ASPHALT
	6.6				6.59	3234	TOP WALL
	7.6				3.00	299	GR
	33.80				10.10	228	TOE
							WATERS EDGE
625+0.0		4.10			2.89	3004	ASPHALT
		12.2			3.99	2905	"
		21.10			5.60	273	GR
		36.10			6.60	263	GR
	4.1				2.20	307	GR
	4.7				6.61	3232	TOP WALL
	5.7				2.90	300	GR
	32.4				8.10	248	TOE
	50.9				9.80	231	WATERS EDGE
TBM 624+0.0					0.59	32.34	✓ (32.34)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB Metairie Relief Canal
 SHEET NO. 27 OF _____
 CALCULATED BY _____ DATE 3/4/37
 CHECKED BY _____ DATE _____
 SCALE _____

STA	ofs L	ofs R	+	HI	-	Elev.	Desc.
^{B.M.} 628+00			2.79	3517		32.38	32.39
627+00		2.6		3513	50	302	Crown
		18			82	264	Toe
		282			887	2631	Asphalt
		357			916	2602	"
		372			96	256	Gr.
	53				500	302	Gr.
	63				276	3242	Top well
	73				600	292	Gr.
	284				115	232	Toe
	444				125	227	Water edge
628+00		25			53	299	Crown
		255			102	245	toe
		339			1227	2291	Asphalt
		412			1259	2259	"
		432			1280	224	Gr.
	46				50	302	Gr.
	56				278	24	Top well 32.40
	66				540	298	Gr.
	274				1120	235	toe
	455				1240	2278	Water edge
629+00		34			54	298	Crown
		256			121	231	toe
		372			1328	2190	Asphalt
		450			1357	2141	"
	34				52	300	Gr.
	46				278	3240	Top well
	56				55	297	Gr.
	261				120	232	toe
	441				119	233	Water edge

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 1002-1000 Police Canal
 SHEET NO. 29 OF _____
 CALCULATED BY _____ DATE 3/4/97
 CHECKED BY _____ DATE _____

SCALE _____

TA	q/L	q/R	T	AI	-	ELN	DESC.
630100		43		35.17	51	301	Crown
		292		35.13	122	230	top
		41			1352	2100	Asphalt
		486			139	213	"
		506			141	211	Ground
	32				52	302	Ground
	41				273	3245	Top wall
	51				52	295	Gr
	242				105	242	Top
	392				113	239	Water's Edge
631100		35			51	301	Crown
		304			122	223	top
		435			1417	2101	Asphalt
		500			1442	2070	"
		572			1460	204	Gr
	40				500	302	Gr
	48				272	3246	Top wall
	58				54	293	Gr
	343				110	242	Top
	383				113	239	Water's Edge
632100		14			48	304	Crown
		313			122	230	top
		446			1326	2192	Asphalt
		522			1378	2144	"
		542			141	211	Gr
	52				46	306	Gr
	53				273	3245	Top wall
	68				48	304	Gr
	324				108	242	Top
	364				114	238	Water's Edge
FBM 632100					273	3244	(3243)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB Maintenance Canal
 SHEET NO. 209 OF _____
 CALCULATED BY _____ DATE 3-21-50
 CHECKED BY _____ DATE _____
 SCALE _____

Station	1/2 L	1/2 R	+	HI	-	ELV	DESC.
633+00			349	3592		3243	3244
	06			3593	57	302	Crown
	233				120	232	Top
	443				1366	2227	Asphalt
	536				1429	2165	"
	545				148	211	Gr.
	60				55	304	Gr.
	66				345	3243	Top wall
	76				58	301	Gr
	500				105	254	Top
	355				113	246	Waters Edge
634+00		10			530	306	Crown
	214				1230	236	Top
	440				1359	2234	Asphalt
	514				1384	2209	"
	534				1390	222	Gr
	66				540	305	Gr.
	74				345	3243	Top wall
	84				56	303	Gr.
	266				102	252	Top
	331				114	245	Waters edge
635+00		253			127	232	Top
	449				1442	2151	Asphalt
	530				1493	2100	"
	550				1540	205	Ground
	040				540	305	Crown
	74				540	305	Gr
	82				334	3259	Top wall
	92				570	302	Gr
	367				1130	246	Top
	422				1160	243	Waters Edge

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB Relief Canal
 SHEET NO. 30 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

STA	Q/SL	Q/R	+	HT	FKV	Desc
				35.97		
		319		-93	164	195 Toe
		455			1734	1959 Asphalt
		532			1765	1825 "
		552			177	132 Gr
	12				57	302 Crown
	85				54	305 Gr
	92				332	326 Top wall
	102				58	301 Gr
	358				118	241 Toe
	478				128	231 Waters edge
TBM 637100				295	3555	3260 (3260)
637100		371			174	185 Toe
		461			1725	1830 Asphalt
		528			1752	1803 "
		548			174	132 Ground
	12				55	301 Crown
	94				51	305 Gr
	102				299	3256 Top wall
	112				50	306 Gr
	329				103	253 Toe
	469				118	238 Waters edge
638100		380			156	202 Toe
		468			1575	1980 Asphalt
		535			1598	1952 "
		555			163	193 Gr
	23				56	300 Crown
	95				52	304 Gr
	105				307	3249 Top wall
	115				57	299 Gr
	340				114	242 Toe
	410				119	237 Waters edge

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB Water Main - 10th St - Canal
 SHEET NO. 31 OF _____
 CALCULATED BY _____ DATE 3/13/57
 CHECKED BY _____ DATE _____
 SCALE _____

TA	CYL	q's R	+	HE	-	ERV	DESC.	
				<u>3555</u>				
639100		<u>3350</u>				112	239	Gr
		<u>465</u>				132	224	Gr
	30					50	306	Crown
	94					46	312	Gr
	101					298	3257	Top wall
	114					46	312	Gr
	340					103	243	Top
	<u>383</u>					114	242	waters edge
						062	3493	(3493) ✓

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB MEETING REFERENCE
 SHEET NO. JEFFERSON SIDE OF 37
 CALCULATED BY _____ DATE 3-19-97
 CHECKED BY _____ DATE 3-19-97
 SCALE AS MD BS

TA	% L	% R	+	HI	-	ELEV	DESC
TBM			8.59	39.96		30.27	JP #13 "D" CUT
693+0.0	29.00				19.70	24.16	TOE
	1.20				5.39	33.17	ASPHALT
		7.0			5.49	33.37	ASPHALT
		53.00			18.40	20.46	TOE @ FENCE
		63.00			18.90	19.96	GR
TBM P-2					5.30	33.56	(33.67)
			5.91	38.97 38.95			
698+0.0	32.50				15.50	23.47	TOE
	1.50				5.49	33.48	ASPHALT
		7.20			5.70	33.27	ASPHALT
		56.0			19.30	19.69	TOE
		69.90			20.20	18.17	GR @ FENCE
TBM P-3					5.51	33.46 33.47	(33.47) USE
			5.33	39.90			
653+0.0	29.0				15.20	23.60	TOE
	4.60				5.30	33.50	ASPHALT
		3.70			5.40	33.40	ASPHALT
		55.00			17.70	21.10	TOE
		65.00			19.80	20.00	GR
TBM P-4					5.18	33.63	(33.63) USE
			5.40	38.89 38.88		33.49	add (0.01)
TBM P-5						33.49	
658+0.0	35.00				15.60	23.29	TOE
	4.80				5.60	33.29	ASPHALT
		3.70			5.60	33.27	ASPHALT
		47.0			17.3	21.59	TOE
		52.0			17.9	20.99	GR
TBM P-6					5.20	33.69 33.68	(33.67)

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB JEFFERSON RELIEF CANAL
 SHEET NO. JEFFERSON SIDE OF 33
 CALCULATED BY _____ DATE 3-19-97
 CHECKED BY _____ DATE _____
 SCALE GS MD BS

STA	% L	% R	+	H I	-	ELEV	DESC
T&M P-6			5.23	30.76 30.90		33.69 33.67	add (0.02')
663+0.0	31.90				15.70	23.12	TOE
	0.30				5.40	33.52	ASPHALT
		8.20			5.60	33.52	ASPHALT
		37.40			17.30	21.62	TOE@ FENCE
		47.40			17.80	21.12	GR
T&M P-7			5.42	33.93 33.91		33.51 33.49	(33.49)
668+0.0	30.00				15.30	23.65	TOE
		0.50			5.60	33.33	ASPHALT
		9.20			5.60	33.33	ASPHALT
		42.00			16.60	16.73	TOE@ FENCE
		52.00			17.20	21.73	GR
T&M P-8					5.48	33.45 33.43	(33.43)

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 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECTION
 SHEET NO. 1 59 OF 59
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/24/87

STA	+	HI	-	ELEV	DESC.
				28.92	H-188
3.35		32.27			SOUNDINGS: HAMMOND HWY
			1.81	30.46	TOP of CONC. WALL @ STA 554+00 TO
			1.87	30.40	TOP of CONC. WALL @ STA 555+00 I-10
			8.50	23.77	TOP of WATER 3/24/87 8:AM
				28.92	H-188
3.17		32.09			
			8.57	23.52	TOP of WATER 3/24/87 7:AM
					SET TIDE GAUGE IN CANAL
				30.83	TISEM 634+64.0
0.15		30.98			
			10.41	20.57	TOP of WATER 4/1/87 7:30 AM
					check TO gauge @ I-10

WALKER & AVERY, INC.
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 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X SECT.
 SHEET NO. 2 OF 60
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE FD 3/24/87

STA 554+00			STA 555+00			STA 556+00		
TOP of WATER 23.50			TOP of WATER 23.50			TOP of WATER 23.50		
WATER Edge	0+24.0	23.5	WATER Edge	0+20.0	23.5	WATER Edge	0+21.0	23.5
LEVEE TOE	0+26.0	0.7 23.5	LEVEE TOE	0+21.0	0.2 23.3	TOE	0+22.0	0.50 23.2
	0+30	1.0 22.5		0+30	1.4 22.1		+30	1.8 21.2
	0+40	1.6 21.9		0+40	1.6 21.9		+40	1.5 22.0
	0+50	2.2 21.3		0+50	1.5 22.0		+50	1.6 21.9
	0+60	4.2 19.3		0+60	3.0 20.5		+60	3.2 20.3
	0+70	8.0 15.5		0+70	6.0 17.5		+70	4.9 19.6
	0+80	13.7 9.8		0+80	12.1 11.4		+80	9.5 14.0
	0+90	14.2 9.3		0+90	14.2 9.3		+90	16.2 7.3
	1+00	16.3 7.2		1+00	14.0 9.5		1+00	16.6 6.9
	1+10	18.9 4.9		1+10	15.0 8.5		1+10	18.5 5.2
	1+20	18.0 5.5		1+20	17.6 5.9		1+20	18.3 5.2
	1+30	17.3 6.2		1+30	18.8 4.7		1+30	17.5 6.0
	1+40	17.2 6.3		1+40	18.7 4.8		1+40	17.2 6.3
	1+50	15.5 8.0		1+50	18.0 5.5		1+50	17.4 6.1
	1+60	12.4 11.1		1+60	14.6 8.9		1+60	16.5 7.0
	1+70	6.3 17.2	Ridge	1+65	10.8 12.1		1+70	9.4 14.1
RIFT RAFT	1+80	2.5 21.0		1+70	7.2 12.3		1+80	2.6 20.9
WATER Edge	1+86	23.5		1+75	2.5 21.0		1+90	1.5 22.0
				1+80	1.9 21.6	WATER Edge	1+93.0	23.5
			TOE	1+86				
			WATER Edge	1+88	23.5			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th CANAL X SECT.
 SHEET NO. 3 OF 61
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 20' 3/24/87

STA 557+00				STA 558+00				STA 559+00			
TOP of WATER 23.5				TOP of WATER 23.5				TOP of WATER 23.5			
WATER Edge	0+24.0		23.5	TOE	0+22.0		23.5	WATER Edge	0+26.0		23.5
TOR	0+27.0	0.90	22.6	WATER Edge	0+23.0		23.5	TOR	0+27.0		23.5
	+30	1.2	22.3		+30	1.3	22.2		+30	1.1	22.4
	+40	1.3	22.2		+40	2.0	21.5		+40	1.4	22.1
	+50	1.8	21.7		+50	2.9	20.6		+50	2.2	21.3
	+60	3.0	20.5		+60	3.6	19.9		+60	3.4	20.1
	+70	7.7	15.8		+70	7.0	16.5		+70	6.7	16.8
	+80	11.6	11.9		+80	12.3	11.2		+80	14.2	9.3
	+90	14.0	9.5		+90	15.2	8.3		+90	16.6	6.9
	+100	15.7	7.8		+100	16.2	7.3		+100	17.0	6.5
	+110	19.3	4.2		+110	16.6	6.9		+110	17.7	5.8
	+120	17.9	5.6		+120	17.0	6.5		+120	16.4	7.1
	+130	18.2	5.3		+130	17.0	6.5		+130	16.6	6.9
	+140	17.9	5.6		+140	16.2	7.3		+140	17.5	6.0
	+150	17.6	5.9		+150	17.0	6.5		+150	16.6	6.9
	+160	10.3	13.2		+160	14.3	9.2		+160	14.5	9.0
	+170	6.0	17.5		+170	8.6	14.9		+170	6.9	16.6
	+180	2.8	20.7		+180	2.9	20.6		+180	2.4	21.1
	+190	1.2	22.3		+190	1.4	22.1		+190	1.2	22.3
WATER Edge	+198.0		23.5	WATER Edge	+198.0		23.5	W/E	+196		23.5

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X SECT.
 SHEET NO. 4 OF 62
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 10' 3/24/87

STA 560 +00				STA 561 +00				STA 562 +00			
TOP of WATER 23.50				TOP of WATER 23.5				TOP of WATER 23.50			
WATER Edge	0+24.0		23.5	W/E	0+25.0		23.5	W/E	0+27.0		23.5
TOE	0+25.0	0.30	23.2	TOE	+27.0	0.3	23.2	TOE	+28.0	0.3	23.2
	0+30	1.4	22.1		30	1.0	22.5		30	1.2	22.3
	+40	1.4	22.1		40	1.0	22.5		40	1.4	22.1
	+50	1.5	22.0		50	2.6	20.9		50	1.6	21.9
	+60	2.9	20.4		60	5.0	18.5		60	3.2	20.3
	+70	6.0	17.5		70	9.0	14.5		70	7.4	16.1
	+80	13.8	9.7		80	14.0	9.5		80	13.7	9.8
	+90	16.3	7.2		90	15.0	8.5		90	16.2	7.3
	+100	16.4	7.2		100	16.3	7.2		100	15.3	8.2
	+110	16.4	7.1		110	16.8	6.7		110	15.0	8.5
	+120	15.8	7.7		120	16.0	7.5		120	16.0	7.5
	+130	16.1	7.4		130	16.5	7.0		130	17.5	6.0
	+140	18.0	5.5		140	17.2	6.3		140	18.0	5.5
	+150	16.0	7.5		150	16.5	7.2		150	16.0	7.5
	+160	14.2	9.3		160	14.5	9.2		160	13.0	10.5
	+170	5.6	17.9		170	8.9	14.6		170	8.4	15.1
	+180	3.2	20.3		180	2.9	20.6		180	3.3	20.3
	+190	1.9	21.6		190	0.8	22.7		190	1.7	21.3
W/E	+197		23.5	W/E	+196.0		23.5	W/E	+197.0		23.5

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17^A ST. CANAL X SECT.
 SHEET NO. 5 63 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/24/87

STA 563+00			STA 564+00			STA 565+00		
TOP of WATER 23.5			TOP of WATER 23.40			TOP of WATER 23.40		
W/E	0+23.0	23.5	W/E	28'	23.4	W/E	27'	23.4
TOE	+26.0	0.50 23.0	TOE	29'	0.7 22.7	TOE	31'	1.0 22.4
	+30	1.0 22.5		30	0.8 22.6		40	1.3 22.1
	40	1.3 22.2		40	1.1 22.3		50	2.6 20.8
	50	1.7 21.8		50	1.1 22.3		60	6.7 16.7
	60	3.0 20.5		60	4.2 19.2		70	12.7 10.7
	70	9.4 14.1		70	9.8 13.6		80	13.0 10.4
	80	13.9 9.6		80	12.0 11.4		90	14.5 8.9
	90	13.8 9.7		90	14.5 8.9		100	15.5 7.9
	100	14.5 9.0		100	16.9 6.5		110	15.0 8.4
	110	15.5 8.0		110	16.0 7.4		120	15.5 7.9
	120	17.0 6.5		120	15.3 8.1		130	15.4 8.0
	130	18.0 5.5		130	15.4 8.0		140	14.9 8.5
	140	17.5 6.0		140	15.1 8.3		150	14.6 8.8
	150	14.6 8.9		150	14.1 9.3		160	11.8 11.6
	160	12.0 11.5		160	13.3 10.1		170	5.5 17.9
	170	5.5 18.0		170	5.8 17.6		180	2.7 20.7
	180	2.7 20.8		180	2.4 21.0		190	1.3 22.1
	190	1.5 22.0		190	1.7 21.7	W/E	196.0	23.4
W/E	197	23.5	W/E	192.5'	23.4			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT
 SHEET NO. 6 OF 64
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE PO 3/24/87

STA 566+00			STA 567+00			STA 568+00		
TOP of WATER 23.4			TOP of WATER 23.40			TOP of WATER 23.4		
TOE	+99.0		W/E	30'	23.4	W/E +TOE	28'	23.4
W/E	30'	23.4	TOE	32'	23.0	30'	0.6	22.8
	40	22.6		40	22.1		2.2	21.2
	50	20.4		50	20.3		3.3	20.1
	60	14.4		60	17.4		6.7	16.7
	70	9.7		70	12.5		14.0	9.4
	80	8.8		80	8.4		16.3	7.1
	90	8.5		90	8.0		15.0	8.4
	100	8.0		100	8.2		14.5	8.7
	110	9.0		110	3.2		15.5	7.9
	120	8.4		120	8.1		15.0	8.4
	130	9.5		130	7.4		15.2	8.2
	140	9.8		140	7.4		15.4	8.0
	150	8.4		150	9.2		13.7	9.7
	160	12.9		160	17.2		8.5	14.7
	170	19.4		170	20.2		3.1	20.3
	180	20.9		180	21.4		2.0	21.4
	190	22.7		190	22.7		0.8	22.6
W/E	198.0	23.4	W/E	193.0	23.4	W/E	197.0	23.4

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 7 OF 65
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/24/87 + 3/25/87

STA 569+00 ^{3/24}			STA 570+00 ^{3/25}			STA 571+00 ^{3/25}		
TOP of WATER 23.2			TOP of WATER 23.2			TOP of WATER 23.2		
W/E	28'	23.2	W/E	28.0	23.2	TOE	29.0	
TOE	29'	0.3 22.9	TOE	28.0		W/E	30.0	23.2
	30'	0.8 22.4		30.0	0.4 22.8		40	1.4 21.8
	40	2.0 21.2		40	1.2 22.0		50	2.0 21.2
	50	2.9 20.3		50	2.5 20.7		60	7.0 16.2
	60	5.5 17.7		60	8.0 15.2		70	10.4 12.8
	70	13.0 10.2		70	12.4 10.8		80	13.5 9.7
	80	14.4 8.8		80	13.9 9.3		90	13.6 9.6
	90	15.6 7.6		90	14.6 8.6		100	14.7 8.5
	100	14.5 8.7		100	14.0 9.2		110	13.9 9.3
	110	13.4 9.3		110	14.0 9.2		120	14.0 9.2
	120	13.6 9.6		120	15.3 7.9		130	15.0 8.2
	130	15.0 8.2		130	15.0 8.2		140	15.6 7.6
	140	15.9 7.3		140	13.0 10.2		150	14.6 8.6
	150	15.0 8.2		150	14.7 8.5		160	10.9 12.3
	160	6.6 16.6		160	12.0 11.2		170	4.5 18.7
	170	3.0 20.2		170	2.6 20.6		180	1.5 21.7
	180	1.6 21.6		180	1.6 21.6		190	0.6 22.6
	190	0.3 22.9		190	0.9 22.3	W/E	192.0	23.2
W/E	193.0	23.2	W/E	193.0	23.2			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 8 OF 612
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 10' 3/25/87

STA 572+00				STA 573+00				STA 574+00			
WATER 23.1				WATER 23.1				WATER 23.00			
W/E	30'		23' ✓	W/E	29'		23' ✓	W/E	31.0		23° ✓
TOE	30'			TOE	29'			TOE	31.0		
	40'	0.4	22' ✓		30	0.3	22' ✓		40	1.6	21' ✓
	50'	1.8	21' ✓		40	0.3	22' ✓		50	3.0	20' ✓
	60	6.7	16' ✓		50	2.1	21' ✓		60	4.8	13' ✓
	70	8.5	14' ✓		60	4.1	19' ✓		70	10.8	12' ✓
	80	12.7	10' ✓		70	10.2	12' ✓		80	13.0	10' ✓
	90	13.2	9' ✓		80	11.7	11' ✓		90	14.5	8' ✓
	100	15.0	8' ✓		90	13.0	10' ✓		100	13.9	9' ✓
	110	14.4	8' ✓		100	14.0	9' ✓		110	14.0	9' ✓
	120	14.8	8' ✓		110	15.0	8' ✓		120	14.4	8' ✓
	130	14.3	8' ✓		120	14.0	9' ✓		130	14.7	8' ✓
	140	15.3	7' ✓		130	14.5	8' ✓		140	14.8	8' ✓
	150	15.6	7' ✓		140	14.0	9' ✓		150	14.8	8' ✓
	160	14.5	8' ✓		150	14.0	9' ✓		160	10.0	13' ✓
	163.0	8.8	14' ✓		160	12.0	11' ✓		170	4.1	18' ✓
	170	2.7	20' ✓		170	6.0	17' ✓		180	1.4	21' ✓
	180	1.2	21' ✓		180	1.3	21' ✓		190	0.5	22' ✓
	190	0.7	22' ✓		190	0.5	22' ✓		190	0.5	22' ✓
W/E	194.0		23' ✓	W/E	193.0		23' ✓	W/E	194.0		23° ✓

WALKER & AVERY, INC.
 1315 FNBC Building
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JOB 17th ST. CANAL X-SECT.
 SHEET NO. 9 OF 107
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/25/87

STA 575+00			STA 576+00			STA 577+00		
WATER 23.00			WATER 23.00			WATER 23.00		
W/E	30'	230	W/E	30'	230	W/E	31'	230
TOE	30'		TOE	30'		TOE	31'	
	40'	1.1 219		40'	2.1 209		40	2.0 212
	50	2.4 206		50	2.7 203		50	2.8 202
	60	3.7 193		60	3.8 192		60	5.2 175
	70	8.8 142		70	9.7 133		70	10.6 124
	80	13.6 94		80	13.0 100		80	13.0 100
	90	13.3 97		90	15.7 73		90	13.6 94
	100	14.0 90		100	14.6 84		100	14.0 90
	110	14.0 90		110	14.0 92		110	13.6 94
	120	14.8 82		120	14.2 88		120	13.6 94
	130	14.8 82		130	14.4 86		130	14.4 86
	140	14.5 85		140	14.2 88		140	14.0 90
	150	13.0 100		150	13.6 94		150	13.6 94
	160	9.8 132		160	10.6 124		160	10.0 130
	170	3.8 192		170	4.5 185		170	4.2 188
	180	2.1 202		180	2.3 202		180	2.0 210
	190	1.5 215		190	0.8 222		190	0.5 225
W/E	199.0	230	W/E	199.0	230	W/E	198.0	230

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17TH ST CANAL X-SECT.
 SHEET NO. 10 69 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/25/87

STA 578+00				STA 579+00				STA 580+00			
WATER 23.0				WATER 23.0				WATER 93.0			
TOR	37'		23.0	W/E	32'		23.0	W/E	35'		23.0
W/E	37'			TOE	34'	0.7	22.3	TOE	35'		
	40	0.2	22.8		40	1.3	21.7		40	0.5	22.5
	50	1.9	21.1		50	2.0	21.0		50	0.3	22.7
	60	4.5	18.5		60	3.0	20.0		60	2.9	20.1
	70	10.6	12.4		70	6.8	16.2		70	4.7	18.3
	80	12.5	10.5		80	11.3	11.7		80	9.8	13.2
	90	12.6	10.6		90	12.7	10.3		90	12.0	11.0
	100	13.0	10.0		100	12.9	10.1		100	12.7	10.3
	110	14.0	9.0		110	12.4	10.6		110	13.6	9.4
	120	14.0	9.0		120	13.2	9.9		120	13.4	9.6
	130	14.5	8.5		130	14.0	9.0		130	13.7	9.3
	140	15.4	7.6		140	14.4	8.6		140	14.2	8.9
	150	12.8	10.2		150	13.6	9.4		150	13.1	9.9
	160	9.5	13.5		160	12.6	10.4		160	11.9	11.1
	170	4.0	19.0		170	8.2	14.8		170	9.4	13.6
	180	2.5	20.5		180	3.2	19.5		180	3.5	19.5
	190	1.7	21.3		190	2.0	21.0		190	2.0	21.0
W/E	200		23.0	W/E	200		23.0	W/E	195.0		23.0

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 11 69 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 90 3/25/87

STA 581+00			STA 582+00			STA 583+00		
WATER 22.8			WATER 22.8			WATER 22.8		
W/E	35'	<u>22.8</u>	W/E	30'	<u>22.8</u>	W/E	30'	<u>22.8</u>
TOE	35'		TOE	30'		TOE	32'	0.5
	40'	1.0 <u>21.8</u>		40'	0.9 <u>21.9</u>		40	0.2 <u>22.6</u>
	50	1.4 <u>21.4</u>		50	0.7 <u>22.1</u>		50	1.7 <u>21.1</u>
	60	2.0 <u>20.8</u>		60	0.3 <u>22.5</u>		60	2.8 <u>20.0</u>
T/C	69	3.3 <u>19.5</u>	T/C	70	4.0 <u>18.8</u>	T/C	64	4.6 <u>18.2</u>
TOE	72	7.0 <u>15.8</u>	TOE	72	9.2 <u>13.6</u>	TOE	69	9.2 <u>13.6</u>
	80	12.1 <u>10.7</u>		80	13.7 <u>9.1</u>		80	13.0 <u>9.8</u>
	90	13.1 <u>9.7</u>		90	14.2 <u>8.6</u>		90	14.0 <u>8.8</u>
	100	12.7 <u>10.1</u>		100	14.5 <u>8.3</u>		100	13.7 <u>9.1</u>
	110	13.7 <u>9.1</u>		110	14.0 <u>8.8</u>		110	14.0 <u>8.8</u>
	120	13.8 <u>9.0</u>		120	14.0 <u>8.8</u>		120	13.7 <u>9.1</u>
	130	14.3 <u>8.5</u>		130	14.1 <u>8.7</u>		130	13.9 <u>8.9</u>
	140	14.0 <u>8.8</u>		140	13.8 <u>9.0</u>		140	13.2 <u>9.6</u>
	150	13.7 <u>9.1</u>		150	13.5 <u>9.3</u>		150	13.4 <u>9.4</u>
	160	12.0 <u>10.8</u>		160	12.1 <u>10.7</u>		160	11.3 <u>11.5</u>
TOE	176	8.3 <u>14.5</u>	TOE	170	9.0 <u>13.8</u>	TOE	168	7.8 <u>15.0</u>
T/C	178	3.3 <u>19.5</u>	T/C	177	4.2 <u>18.6</u>	T/C	170	5.0 <u>17.8</u>
	180	2.3 <u>20.5</u>		180	2.7 <u>20.1</u>		180	2.6 <u>20.2</u>
W/E	185.0	<u>22.8</u>		190	1.7 <u>21.1</u>		190	1.8 <u>21.0</u>
				200	0.5 <u>22.3</u>		200	0.8 <u>22.0</u>
			W/E	209	<u>22.8</u>	W/E	206	<u>22.8</u>

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 12 OF 70
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE FD 3/25/87

STA 584+00				STA 585+00				STA 586+00			
WATER 23.9				WATER 23.9				WATER 23.8			
W/E	33.0		23.9	W/E	30'		23.9	W/E	30'		23.8
TOE	33.0			TOE	31'	0.6	23.3	TOE	30'		
	40'	1.0	22.9		40	1.5	22.4		40'	0.4	23.4
	50	2.2	21.7		50	2.5	21.4		50	1.9	21.9
	60	4.6	19.3		60	5.2	18.7		60	4.7	19.1
	70	8.3	15.6		70	9.2	14.7	T/C	68	9.4	14.4
	80	10.6	13.3		80	12.2	11.7	TOE	70	11.8	12.0
	90	13.2	10.2		90	13.4	10.5		80	11.9	11.9
	100	14.2	9.7		100	14.7	9.2		90	11.2	12.6
	110	14.0	9.9		110	14.2	9.7		100	13.4	10.4
	120	14.2	9.7		120	13.8	10.1		110	14.0	9.8
	130	14.5	9.4		130	13.3	10.6		120	13.4	10.4
	140	14.7	9.2		140	14.3	9.6		130	13.5	10.3
	150	14.1	9.3		150	12.8	11.1		140	13.6	10.2
	160	12.9	13.0	TOE	160	10.8	13.1		150	13.5	10.3
TOE	163	7.3	16.6	T/C	167	5.3	18.6		160	11.2	12.6
	170	3.3	20.6		170	3.0	20.9	TOE	170	7.3	16.5
T/C	180	1.0	22.9		180	1.5	22.4	T/C	174	4.6	19.2
	190	0.5	23.4		184	0.0	23.9		180	2.7	21.4
	200	1.2	22.7		190	0.5	23.4		190	1.9	21.9
W/E	216		23.9		200	0.5	23.4		200	1.1	22.7
					210	0.5	23.4		210	0.5	23.3
				W/E	216'		23.9	W/E	218		23.8

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 13 7/ OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1"=10' 3/26/87

STA 587+00 3/25/87 WATER 23.7			STA 588+00 3/26/87 WATER 23.0			STA 589+00 WATER 23.0		
TOE	27'		TOE	28'		TOE	30'	A
W/E	27'	23.7	W/E	28'	23.0	W/E	30'	23.0
	30'	0.4 23.3		30'	0.5 22.5		40'	0.7 22.3
	40'	0.8 22.9		40'	0.6 22.4		50'	1.1 21.9
	50'	1.8 21.9		50'	0.6 22.4	T/C	60'	2.6 20.4
	60'	4.1 19.6	T/C	60'	2.5 20.5		70'	4.4 18.6
	70'	7.4 16.3		65'	5.2 17.8	TOE	77'	9.0 14.0
	80'	12.2 11.5	TOE	70'	8.0 15.0		80'	11.2 11.0
	90'	12.5 11.2		80'	10.1 12.9		90'	13.3 9.7
	100'	13.0 10.7		90'	12.3 10.7		100'	13.3 9.7
	110'	13.7 10.2		100'	13.6 9.4		110'	13.2 9.9
	120'	13.0 10.7		110'	13.5 9.5		120'	13.3 9.7
	130'	13.0 10.7		120'	13.5 9.5		130'	13.3 9.7
	140'	13.5 10.2		130'	13.7 9.3		140'	12.6 10.4
	150'	14.0 9.7		140'	13.3 9.7		150'	12.6 10.4
	160'	11.1 12.6		150'	13.5 9.5		160'	14.0 9.0
	170'	7.0 16.2		160'	13.3 9.7		170'	9.4 13.6
Ridge	180'	1.4 22.3	TOE	170'	9.3 13.7		180'	5.6 17.4
	183'	1.4 22.3	T/C	180'	3.7 19.3		190'	2.0 21.0
	190'	0.5 23.2		190'	1.6 21.4	Ridge	195'	0.3 22.7
	200'	0.5 23.2	Ridge	192'	0.00 23.0		200'	0.2 22.3
	210'	0.5 23.2		200'	0.5 22.5		210'	0.8 22.4
W/E	215'	23.7		210'	1.2 21.3		220'	0.7 22.3
			W/E	220'	0.5 22.5	W/E	225'	23.0
			TOE	221'	23.0			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 14 OF 72
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/26/87

STA 590+00			STA 591+00			STA 592+00		
WATER 22.9			WATER 22.9			WATER 22.9		
TOE	33'		TOE	36'		TOE	35'	
W/E	34'	22.9	W/E	36'	22.9	W/E	35'	22.9
	40'	0.5 22.4		40	0.2 22.7		40'	0.4 22.5
	50'	0.4 22.5		50	0.3 22.6		50	0.5 22.4
	60	1.5 21.4		59	0.3 22.6	T/c	60	0.4 22.5
	70	3.6 19.3		60	2.0 20.9		70	4.2 18.2
	80	10.7 12.2	T/c	70	4.2 18.2	TOE	80	9.5 13.4
	90	13.2 9.7	TOE	73	7.3 15.6		90	12.2 10.2
	100	13.4 9.7		80	11.4 11.5		100	13.4 9.5
	110	14.4 8.5		90	12.5 10.4		110	13.0 9.2
	120	14.0 8.9		100	12.8 10.1		120	13.3 9.6
	130	12.4 10.5		110	11.5 11.4		130	13.0 9.9
	140	12.5 10.4		120	12.8 10.1		140	12.5 10.4
	150	12.6 10.3		130	12.9 10.0		150	13.0 9.2
	160	11.9 11.0		140	12.9 10.0		160	13.8 9.1
	170	10.4 12.5		150	12.8 10.1		170	12.6 10.3
	180	5.7 17.2		160	12.9 10.0		180	7.0 15.2
	190	2.0 20.9		170	12.5 10.4		190	1.9 21.0
Ridge	200	0.4 22.5		180	6.0 16.9		196	ELEV 23.5
	210	0.8 22.1		190	1.6 21.3		200	ELEV 23.5
	220	1.2 21.7	Ridge	192	0.0 22.2		210	0.7 22.2
TOE	226			200	0.0 22.2		220	0.8 22.1
W/E	226	22.9		210	0.6 22.3	W/E	229'	22.9
				220	0.8 22.1	TOE	229	
			TOE	226	22.9			
			W/E	226	22.9			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 15 73 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE PO 3/26/87

STA 593+00			STA 594+00			STA 595+00		
WATER 22.9			WATER 22.9			WATER 22.9		
TOE	33'		W/E	36'	22.9	TOE	35'	
W/E	33'	22.9	TOE	37'	0.3 22.6	W/E	35'	22.7
	40	0.4 22.5		40	0.4 22.5		40	0.2 22.7
	50	0.4 22.5		50	0.6 22.3		50	0.2 22.7
	60	2.6 20.3		60	0.3 22.6		59	0.2 22.7
Tie	70	2.3 20.6		62	0.3 22.6		60	1.5 21.4
	80	10.7 12.4		64	2.0 20.9		70	2.8 20.1
TOE	90	13.9 9.9		70	4.0 18.9		80	7.0 15.9
	100	13.6 9.3		80	8.4 14.5		90	12.5 10.4
	110	13.2 9.7		90	11.2 11.7		100	13.1 9.5
	120	13.6 9.3		100	12.8 10.1		110	13.0 9.9
	130	13.6 9.3		110	13.0 9.9		120	13.7 9.2
	140	13.6 9.3		120	12.8 10.1		130	13.0 9.9
	150	13.7 9.2		130	12.7 10.2		140	13.0 9.9
	160	14.2 8.7		140	13.0 9.9		150	13.1 9.8
TOE	170	13.2 9.7		150	12.9 10.0		160	13.2 9.7
	180	8.0 14.9		160	13.1 9.8		170	12.6 10.3
Tie	190	3.0 19.9		170	13.0 9.9		180	8.8 14.1
	200	2.0 20.9	TOE	180	10.3 12.6		182	6.5 16.4
	210	1.6 21.3		185	5.5 17.4		183	4.0 18.9
	220	1.0 21.9	Tie	190	3.7 19.2		190	2.7 20.2
W/E	230	22.9		200	2.3 20.6		200	2.0 20.9
TOE	230			210	1.7 21.2		210	0.8 22.1
			W/E	217	22.9		220	0.6 22.3
			TOE	217			226	22.9
						W/E	226	
						TOE	226	

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 16 74 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/06/87

STA 596+00				STA 597+00				STA 598+00			
WATER 22.8				WATER 22.8				WATER 22.8			
TOE	37'			TOE	35'			TOE	37'		
W/E	37'		22.3	W/E	35'		22.3	W/E	37'		22.3
	40	0.2	22.6		40	0.4	22.4		40	0.3	22.5
	50	0.2	22.6		50	0.4	22.4		50	0.2	22.6
	60	0.5	22.3		58	0.6	22.2	T/C	60	0.0	22.1
	70	2.5	20.3		59	1.0	21.8		70	2.7	20.1
	80	8.2	14.6		60	1.7	21.1		80	6.0	16.5
	90	11.7	11.1		70	2.5	20.3	TOE	90	10.9	11.9
	100	13.0	9.8		80	6.0	16.8		100	14.2	8.6
	110	13.2	9.6		90	11.0	11.8		110	13.3	9.3
	120	13.0	9.3		100	12.5	10.3		120	13.1	9.7
	130	12.5	10.3		110	12.8	10.0		130	13.0	9.8
	140	12.6	10.2		120	13.6	9.2		140	13.0	9.8
	150	13.0	9.8		130	13.0	9.8		150	12.8	10.2
	160	13.6	9.2		140	13.0	9.5		160	12.5	10.3
	170	13.5	9.3		150	13.2	9.6		170	12.5	10.3
TOE	180	9.8	13.0		160	14.0	8.8		180	9.0	13.3
	184	6.0	16.8	TOE	170	13.0	9.8		183	6.0	16.9
T/C	188	3.4	19.4	T/C	180	6.7	16.1		190	2.8	20.0
	190	2.8	20.0		185	3.4	19.4		200	1.8	21.0
	200	0.9	21.9		190	2.9	19.2		210	1.4	21.4
	210	0.8	22.0		200	0.6	22.2		220	0.4	22.4
	220	0.6	22.2		210	0.1	22.7	W/E	222		22.3
W/E	222	0.5	22.3		220	0.6	22.2	TOE	222		
TOE	228	BLVD = 23.1		W/E	223		22.8				
				TOE	223						

WALKER & AVERY, INC.

1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECTION

SHEET NO. 17 OF 75

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE 1" = 30' 3/26 + 3/27/87

STA 599+00 3/26/87 WATER 22.8			STA 600+00 3/27/87 WATER 23.2			STA 601+00 3/27/87 WATER 23.2		
TOE	38'		W/E	36'	23.2	TOE	37'	
W/E	38'	22.5	TOE	38'	0.4	W/E	37'	23.2
	40	0.2		40	0.6		40	0.5
	50	0.2		50	0.3		50	0.7
Tie	60	0.2	Tie	56	0.4		54	1.0
	70	4.0	TOE	60	2.4		57	2.3
	80	8.7		70	6.0		60	2.5
TOE	90	11.8		80	5.6		70	5.0
	100	13.7		90	12.6		80	10.7
	110	13.6		100	13.0		90	13.4
	120	13.3		110	13.0		100	12.8
	130	13.5		120	13.3		110	12.6
	140	13.0		130	13.2		120	13.3
	150	13.4		140	13.3		130	13.1
	160	14.2		150	13.8		140	13.6
	170	13.0		160	14.5		150	13.7
	180	6.6	TOE	170	12.1		160	12.7
	190	1.6		180	3.6		170	9.8
	191	ELEV 23.9		190	2.4		180	5.7
	195	ELEV 23.9	Tie	200	1.3		190	2.3
	200	0.1		210	0.9		192	1.8
	210	0.4		220	1.1		195	0.2
	220	0.4	TOE	223	0.5		200	0.4
W/E	222		W/E	223.5			210	1.0
TOE	222						220	1.0
						TOE	223	0.5
						W/E	223.5	

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17 TH ST. CANAL X-SECT.
 SHEET NO. 18 76 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE AS SHOWN 3/27/87

STA 602+00			STA 603+00			STA 604+00		
WATER 23.2			WATER 23.2			WATER 23.2		
TOE	39'	23.2	W/E	40'	23.2	TOE	41'	23.2
W/E	39'	23.2 23.2	TOE	41'	0.2 23.0	W/E	42'	23.2
	40	0.3 22.9		50'	0.2 23.0		50'	0.1 23.1
	50	0.5 22.7		51'	0.3 22.7		60	2.7 20.5
	60	2.3 20.9		58'	2.0 21.2		70	5.7 17.5
	70	5.2 18.0		60	2.4 20.8		80	10.6 12.6
	80	10.9 12.3		70	6.5 16.7		90	11.7 11.5
	90	11.5 11.7		80	10.2 13.0		100	12.6 10.6
	100	13.6 9.6		90	13.0 10.2		110	13.1 10.10
	110	13.0 10.2		100	12.7 10.5		120	12.8 10.4
	120	13.0 10.2		110	12.4 10.8		130	12.6 10.6
	130	13.0 10.2		120	12.5 10.7		140	12.7 10.5
	140	12.9 10.3		130	12.7 10.5		150	13.1 10.1
	150	13.5 9.7		140	12.7 10.5		160	13.6 9.6
	160	13.7 9.5		150	12.8 10.4		170	12.8 10.4
	170	12.2 11.0		160	12.3 10.9		180	4.4 18.8
	180	5.8 17.4		170	12.0 11.2		190	2.0 21.2
	187	1.8 21.4		180	7.0 16.2		193	2.0 21.2
	190	0.3 22.9		189	3.0 20.2		194	0.3 22.9
	200	0.5 22.7		190	2.7 20.5		195	0.3 22.9
	210	1.0 22.2		200	1.6 21.6		200	0.5 22.7
	220	0.4 22.8		210	0.8 22.9		210	0.9 22.3
W/E	222	ELEV 23.2		220	0.5 22.7	TOE	219	0.3 22.9
TOE	222	ELEV 23.2	TOE	222	0.4 22.8	W/E	220	23.2
			W/E	223	23.2			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 19 77 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE PO 3/27/87

STA 605+00			STA 606+00			STA 607+00		
WATER 23.0			WATER 23.0			WATER 23.0		
TOE	42'	23.0	W/E	40'	23.0	TOE	40'	23.0
W/E	43'	23.0	TOE	41'	0.2 22.8	W/E	42'	23.0
	50	0.6 22.4		50	0.4 22.6		50	0.2 22.8
	60	2.7 20.3		60	2.9 20.1		60	3.3 19.7
	70	4.9 18.1		70	6.0 17.0		70	6.4 16.6
	76	9.0 14.0		80	11.8 11.2		80	11.5 11.5
	80	11.2 11.8		90	13.6 9.4		90	13.7 9.9
	90	13.0 16.0		100	13.0 10.0		100	13.1 9.9
	100	13.0 11.0		110	13.0 13.0		110	12.6 10.4
	110	12.8 10.2		120	12.6 10.4		120	12.4 10.6
	120	12.5 10.5		130	13.0 10.0		130	12.8 10.2
	130	13.1 9.9		140	13.2 9.8		140	12.8 10.2
	140	13.1 9.9		150	13.3 9.7		150	13.8 9.2
	150	13.6 9.4		160	13.8 9.2		160	13.9 9.1
	160	13.2 9.8		170	11.0 12.0		170	10.4 12.6
	170	12.3 10.7		180	4.2 18.8		177	4.4 18.6
	175	7.5 15.5		185	2.8 20.2		180	3.2 19.8
	180	3.8 19.2		190	0.2 22.8		190	2.6 20.9
	185	1.6 21.4		200	0.9 22.1		200	1.9 21.1
	190	0.0 23.0		210	0.9 22.1		210	0.9 22.1
	200	0.6 22.4	TOE	217	0.5 22.5	TOE	217	0.5 22.5
	210	1.0 22.0	W/E	218	23.0	W/E	218	23.0
	220	0.4 22.6						
TOE	221	0.4 22.6						
W/E	221.5	23.0						

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17 of ST. CANAL X-SECT.
 SHEET NO. 20 73 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 20' 3/27/87

STA 608+00			STA 609+00			STA 610+00		
WATER 22.9			WATER 22.9			WATER 22.9		
TOE	40'	22.9	TOE	41'	22.9	W/E	40'	22.9
W/E	52'	22.9	W/E	43'	22.9	TOE	41'	0.3 22.9
	60	3.0 19.9		50	0.3 22.6		50	0.6 22.3
	70	5.8 17.1		53	2.0 20.9		53	1.4 21.5
	80	11.0 11.9		60	2.8 20.1		60	2.9 20.0
	90	13.3 9.6		70	5.9 17.0		70	7.2 15.7
	100	12.7 10.2		80	10.3 12.6		80	11.8 11.1
	110	12.6 10.3		90	11.8 11.1		90	13.0 9.9
	120	12.2 10.7		100	12.4 10.5		100	12.5 10.4
	130	11.9 11.0		110	12.3 10.6		110	12.2 10.7
	140	12.5 10.4		120	12.4 10.5		120	12.2 10.7
	150	13.4 9.5		130	12.5 10.4		130	12.3 10.6
	160	13.9 9.0		140	12.8 10.1		140	12.2 10.7
	170	9.2 13.7		150	13.6 9.3		150	12.8 10.1
	180	4.0 18.9		160	13.0 9.9		160	13.8 9.1
	190	2.2 20.7		170	11.4 11.5		170	9.4 13.5
	195	1.8 21.1		175	6.0 16.9		180	1.9 21.0
	200	0.4 22.5		180	4.0 18.9		183	ELEV 23.8
	210	0.9 22.0		190	2.4 20.5		192	ELEV 23.8
TOE	216	22.9		200	1.7 21.2		200	0.5 22.4
W/E	218	22.9		210	1.0 21.9		210	0.8 22.1
			W/E	216	22.9	W/E	214	22.9
			TOE	216	22.9	TOE	214	22.9

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 21 79 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE PO 3/27/87

STA 611+00			STA 612+00			STA 613+00		
WATER 22.8			WATER 22.8			WATER 22.8		
TOE	40'	22.8	TOE	43'	22.8	TOE	41'	22.8
W/E	45'	22.8	W/E	43'	22.8	W/E	41'	22.8
	50	1.8 21.0		50'	0.1 22.7		48'	0.4 22.4
	60	3.0 19.8		57'	1.8 21.0		50'	1.5 21.3
	70	7.0 15.8		60	3.6 19.2		60	2.4 20.4
	80	11.1 11.7		70	8.3 14.5		70	7.5 15.3
	90	13.3 9.5		80	12.0 10.8		80	11.4 11.4
	100	12.3 10.5		90	12.8 10.0		90	14.4 8.4
	110	12.0 10.8		100	13.3 9.5		100	13.2 9.6
	120	12.0 10.8		110	12.4 10.4		110	12.2 10.6
	130	12.3 10.5		120	11.9 10.9		120	12.0 10.8
	140	13.0 9.8		130	11.6 11.2		130	12.0 10.8
	150	13.3 9.5		140	12.0 10.8		140	12.2 10.6
	160	13.4 9.4		150	12.4 10.4		150	12.9 9.9
	170	9.3 13.5		160	12.0 10.8		160	13.2 9.6
	180	2.5 20.3		170	12.9 9.9		170	10.3 12.5
	190	1.8 21.0		174	6.0 16.8		180	3.8 19.0
	200	0.6 22.2		180	2.7 20.1		185	2.4 20.4
TOE	210	0.2 22.6		190	2.0 20.8		188	ELEV 23.5
W/E	211	22.8		200	1.3 21.5		196	ELEV 23.5
				210	0.3 22.5		200	0.5 22.3
			TOE	212	22.8		210	0.6 22.2
			W/E	212	22.8	TOE	214	22.8
						W/E	214	22.8

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 22 20 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 30' 3/27/87

STA 614+00				STA 615+00				STA 616+00			
WATER 23.0				WATER 23.0				WATER 23.0			
W/E	40'		23.0	W/E	41'		23.0	TOE	41'		23.0
TOE	43'	0.4	22.6	TOE	43'	0.2	21.0	W/E	41'		23.0
	45'	0.5	22.5		49'	0.3	22.7		46'	0.2	22.8
	46'	1.7	21.3		50'	1.5	21.5		48'	1.0	22.0
	50	2.1	20.9		60	3.0	20.0		50'	2.3	20.7
	60	5.0	18.0		70	7.5	15.5		60'	5.0	18.0
	70	7.4	15.6		80	9.9	13.1		70'	8.0	15.0
	80	9.9	13.1		90	11.2	11.8		80'	11.3	11.7
	90	12.1	10.9		100	11.6	11.4		90	12.5	10.5
	100	12.1	10.9		110	11.3	11.7		100	11.8	11.2
	110	11.7	11.3		120	11.0	12.0		110	11.9	11.1
	120	11.7	11.3		130	11.3	11.7		120	11.3	11.7
	130	12.0	11.0		140	11.7	11.3		130	11.5	11.5
	140	12.2	10.8		150	12.0	11.0		140	11.9	11.1
	150	12.6	10.4		160	13.3	9.7		150	12.9	10.1
	160	13.4	9.6		170	12.6	10.4		160	13.1	9.9
	170	11.0	12.0		179	5.8	17.2		170	11.5	11.5
	180	5.0	18.0		180	3.8	19.2		176	5.8	17.2
	190	2.3	20.7		190	1.0	22.0		180	3.3	19.7
	200	0.9	22.1		200	0.9	22.1		190	2.0	21.0
	210	0.4	22.6		210	1.0	22.0		197	0.1	22.9
W/E	214		23.0	W/E	217		23.0		200	0.2	22.8
TOE	214		23.0	TOE	217		23.0		210	0.3	22.7
								W/E	213		
								TOE	213		

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 23 91 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 20 3/27/87

STA 617+00			STA 618+00			STA 619+00					
WATER 22.9			WATER 22.9			WATER 22.9					
TOE	39'	22.9	W/E	38'	22.9	W/E	39'	22.9			
W/E	39'	22.9	TOE	39'	0.3	22.6	TOE	39'	22.9		
	40'	0.1	22.8		40'	0.2	22.7		40	0.2	22.7
	48'	0.5	22.4		50'	0.5	22.4		50	0.6	22.3
	50	1.2	21.7		53.	0.6	22.3		60	3.0	19.9
	60	2.7	20.2		55	2.1	20.8		70	7.2	15.7
	70	8.1	14.8		60	3.0	19.9		80	12.8	10.1
	80	12.0	10.9		70	7.1	15.8		90	12.6	10.3
	90	12.9	10.0		80	11.2	11.7		100	12.7	10.2
	100	12.7	10.2		90	13.0	9.9		110	13.0	9.7
	110	11.5	11.4		100	12.8	10.1		120	12.2	10.7
	120	11.7	11.2		110	11.7	11.2		130	12.4	10.5
	130	11.0	11.9		120	11.6	11.3		140	12.7	10.2
	140	11.1	11.8		130	11.8	11.1		150	13.0	9.9
	150	11.5	11.4		140	11.8	11.1		160	13.4	9.5
	160	12.8	10.1		150	12.5	10.4		170	10.0	12.9
	170	11.4	11.5		160	13.0	9.9		173	5.8	17.1
	180	5.0	17.9		170	12.0	10.9		180	2.9	20.0
	181	4.8	18.1		179	5.9	17.0		185	2.2	20.70
	190	2.1	20.8		180	4.8	18.1		190	1.8	21.1
	200	0.7	22.2		190	2.1	20.8		195	0.3	22.6
	210	0.8	22.1		195	0.7	22.2		200	0.9	22.0
W/E	216	22.9		200	0.7	22.2		210	0.5	22.4	
TOE	216	22.9		210	0.7	22.2	W/E	213	22.9		
			W/E	213	22.9	TOE	213	22.9			
			TOE	213	22.9						

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.

SHEET NO. 24 OF 52

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE 1" = 31.25'

STA 620+00				STA 621+00				STA 622+00			
WATER 22.8				WATER 22.8				WATER 22.8			
TOE	39'		22.8	TOE	39'		22.8	TOE	38'		22.8
W/E	39'		22.8	W/E	39'		22.8	W/E	38'		22.3
	40	0.3	22.5		40	0.2	22.6		40	0.2	22.6
	50	0.1	22.7		50	0.5	22.3		48	0.4	22.4
	56	0.4	22.4		52	0.5	22.3		50	1.9	20.9
	58	2.4	20.4		54	1.6	21.2		60	2.6	20.2
	60	2.8	20.0		60	5.7	17.1		70	7.3	15.5
	70	5.7	17.1		70	9.8	13.0		80	10.1	12.7
	80	11.3	11.5		80	12.4	10.4		90	11.8	11.0
	90	12.8	10.0		90	13.4	9.4		100	13.3	9.5
	100	12.9	9.9		100	13.1	9.7		110	13.5	9.3
	110	12.4	10.4		110	12.6	10.2		120	14.0	8.8
	120	12.4	10.4		120	13.0	9.8		130	13.6	9.2
	130	12.9	9.9		130	13.2	9.6		140	13.1	9.7
	140	12.5	10.3		140	12.8	10.0		150	12.1	10.7
	150	13.0	9.8		150	12.2	10.6		160	11.2	11.6
	160	12.5	10.3		160	12.2	10.6		170	8.3	14.5
	170	8.7	14.1		170	9.6	13.2		177	3.7	19.1
	177	2.8	20.0		175	4.8	18.0		180	2.5	20.3
	180	2.8	20.0		180	2.4	20.4		185	1.2	21.6
	186	1.8	21.0		184	0.0	22.8		190	0.3	22.5
	189	0.0	22.8		190	ELEV	23.3		200	0.8	22.0
	190	ELEV	23.3		192	ELEV	23.3		210	0.7	22.1
	193	0.0	22.8		200	0.7	22.1	W/E	213		22.8
	200	0.7	22.1		210	0.4	22.4	TOE	213		22.8
	210	0.3	22.5	W/E	213		22.8				
W/E	211		22.8	TOE	213		22.8				
TOE	211		22.8								

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 25 83 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 2" = 31.27' / 87

STA 623+00			STA 624+00		
WATER 22.7			WATER 22.7		
TOE	37'	22.7	TOE	38'	22.7
W/E	37'	22.7	W/E	38'	22.7
	40' 0.4	22.3		40 0.3	22.4
	50 0.4	22.3		50 0.2	22.5
	54 1.9	20.8		53 0.1	22.6
	59 0.6	22.1		55 1.9	20.8
	60 3.7	19.0		60 7.5	15.2
	70 9.2	13.5		70 10.6	12.1
	80 11.6	11.1		80 12.4	10.3
	90 13.1	9.6		90 14.0	8.7
	100 13.8	8.9		100 12.8	9.9
	110 13.5	9.2		110 12.6	10.1
	120 13.4	9.3		120 12.2	10.5
	130 13.4	9.3		130 12.7	10.0
	140 13.7	9.0		140 13.2	9.5
	150 10.8	11.9		150 13.7	9.0
	160 12.5	10.2		160 13.8	8.9
	170 9.3	13.4		170 8.7	14.0
	177 3.7	19.0		175 3.6	19.1
	180 2.5	20.2		180 2.3	20.4
	186 0.2	22.5		182 0.0	22.7
	190 0.2	22.5		188.5 ELEV	24.7
	200 0.7	22.0		195 0.0	22.7
	210 0.7	22.0		200 0.4	22.3
W/E	212	22.7	W/E	210	22.7
TOE	212	22.0	TOE	210	22.7

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 26 04 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1"=10' 4/1/87

STA 625+00				STA 627+00				STA 628+00			
WATER = 20.6 6.2 * 26.8 = HI				WATER = 20.6 6.7 * 27.3 = HI				WATER = 20.6 6.7 * 27.3 = HI			
LEVEE TOE	33'	* 2.0	24.8	LEVEE TOE	29'	* 4.0	23.3	LEVEE TOE	29'	* 4.0	23.3
TIC	51'	* 3.5	23.3	TIC	44'	* 4.7	22.6	TIC	47.5'	* 4.1	23.2
TOE	53'	* 5.7	21.1	TOE	45'	* 5.9	21.4	TOE	49'	* 6.0	21.3
W/E	55'	* 6.2	20.6	W/E	50'	* 6.7	20.6	W/E	52'	* 6.7	20.6
	60	2.3	18.3		60	5.0	15.6		55	1.5	19.1
	70	7.6	13.0		70	8.9	11.7		60	6.8	13.8
	80	8.7	11.9		80	8.4	12.2		70	9.2	11.4
	90	8.8	11.8		90	8.7	11.9		80	8.8	11.8
	100	9.0	11.6		100	8.2	12.4		90	9.1	11.5
	110	9.6	11.0		110	9.2	11.4		100	8.3	12.3
	120	9.6	11.0		120	8.4	12.2		110	9.0	11.6
	130	9.2	11.4		130	8.6	12.0		120	8.4	12.2
	140	9.4	11.2		140	8.3	12.3		130	8.9	11.7
	150	9.1	11.5		150	9.2	11.4		140	8.9	11.7
	160	8.7	11.9		160	7.8	12.8		150	9.1	11.5
	170	6.5	14.1		170	1.0	19.6		160	4.9	15.7
	180	0.6	20.0	W/E	175	* 6.7	20.6		170	0.8	19.8
W/E	182	* 6.2	20.6	TOE	181.5	* 6.0	21.3	W/E	171	* 6.7	20.6
TIC	183.5	* 4.2	22.6	TIC	183	* 4.8	22.5	TIC	176	* 4.0	23.3
	190	* 4.1	22.7		190	* 4.4	22.9		180	* 4.0	23.3
	200	* 4.2	22.6		200	* 4.5	22.8		190	* 4.8	22.5
LEVEE TOE	210	* 4.3	22.5	LEVEE TOE	204.5	* 4.8	22.5	LEVEE TOE	200	* 5.1	22.2
	213	* 3.9	22.9						205	* 4.5	22.8
* HI = 26.8				* HI = 27.3				* HI = 27.3			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
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JOB 17th ST. CANAL X-SECT.
 SHEET NO. 27 OF 55
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 20 4/1/87

STA 629+00				STA 630+00				STA 631+00			
WATER = 80.6 6.5 * 27.1 = HI				WATER = 20.6 * 27.1 = HI				WATER = 20.6 6.4 * 27.0 = HI			
LEVEE TOE	28'	* 4.3	22.8	LEVEE TOE	25'	* 3.4	23.7	LEVEE TOE	26'	* 2.2	24.3
T/C	45'	* 4.5	22.6	T/C	36'	* 4.2	22.9	T/C	39.2	* 3.3	23.7
TOE	47'	* 5.9	21.2	TOE	37.5	* 5.5	21.6	TOE	40.1	* 5.7	21.3
W/E	49.5	* 6.5	20.6	W/E	43.0	* 6.5	20.6	W/E	44.0	* 6.4	20.6
	50	0.2	20.4		50	5.0	16.6		50	6.4	14.2
	60	6.7	13.9		60	9.5	11.1		60	10.0	10.6
	70	9.9	10.7		70	9.3	11.3		70	9.3	11.3
	80	9.2	11.4		80	9.0	11.6		80	8.9	11.7
	90	8.9	11.7		90	8.0	12.6		90	8.8	11.8
	100	8.8	11.8		100	9.4	11.2		100	8.6	12.0
	110	8.9	11.7		110	9.4	11.2		110	8.2	12.4
	120	7.8	12.8		120	9.0	11.6		120	7.9	12.7
	130	8.6	12.0		130	8.1	12.5		130	7.8	12.8
	140	8.4	12.2		140	8.2	12.4		140	8.1	12.5
	150	8.8	11.8		150	8.3	12.3		150	7.5	13.1
	160	3.8	16.8		160	9.3	18.3		160	1.5	19.1
W/E	171	* 6.5	20.6	W/E	166.5	* 6.5	20.6	W/E	166	* 6.4	20.6
TOE	178	* 5.2	21.9	TOE	173.0	* 5.8	21.3	TOE	172.5	* 5.6	21.4
T/C	181	* 4.8	22.3	T/C	175	* 4.6	22.5	T/C	176	* 4.3	22.7
	190	* 4.7	22.4		180	* 4.6	22.5		180	* 4.3	22.7
					190	* 4.9	22.2		190	* 4.6	22.4
LEVEE TOE	200	* 4.2	22.9	LEVEE TOE	197	* 4.2	22.9	LEVEE TOE	195	* 4.2	22.8
* HI = 27.1				* HI = 27.1				* HI = 27.0			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17 ch. ST. CANAL X-SECT.
 SHEET NO. 28 OF 36
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE PO 4/1/87

STA 632+00				STA 633+00				STA 634+00			
WATER = 20.6 6.4 * 27.0 = HI				WATER = 20.6 * 27.0 = HI				WATER = 20.7 7.8 * 28.5 = HI			
LEVEL TOE	26'	* 1.0	26.0	LEVEL TOE	23'	* 1.5	25.5	LEVEL TOE	27'	* 3.1	25.4
T/C	36'	* 3.0	24.0	T/C	35'	* 3.3	23.7	T/C	31'	* 4.2	24.3
TOE	37.5	* 5.9	21.1	TOE	35.3	* 5.8	21.2	TOE	34'	* 7.3	21.2
W/E	40.5	* 6.4	21.6	W/E	39.5	* 6.4	20.6	W/E	41'	* 7.8	20.7
	50	7.2	13.4		40	0.5	20.1		50	5.9	14.0
	60	10.1	10.6		50	6.5	14.1		60	7.8	12.9
	70	9.2	11.4		60	9.1	11.5		70	8.0	12.7
	80	9.3	11.3		70	8.8	11.8		80	8.1	12.6
	90	9.2	11.4		80	8.7	11.9		90	8.6	12.1
	100	8.4	12.4		90	8.5	12.1		100	8.4	12.3
	110	8.7	11.9		100	8.3	12.3		110	9.0	11.7
	120	8.5	12.1		110	8.1	12.5		120	9.4	11.3
	130	8.5	12.1		120	8.8	11.0		130	9.8	10.9
	140	8.4	12.2		130	9.2	11.4		140	10.8	9.9
	150	6.7	13.9		140	10.5	10.1		150	8.9	11.8
	160	0.7	19.9		150	6.8	13.8		160	1.7	19.0
W/E	162	* 6.4	21.6	W/E	160	0.7	19.9	W/E	166	* 7.8	20.7
T/C	172	* 4.7	22.3	W/E	160.5	* 6.4	20.6	TOE	172	* 7.1	21.4
	180	* 4.9	22.1	T/C	165	* 4.4	22.6	T/C	175	* 6.1	22.4
	190	* 4.9	22.1		170	* 4.1	22.9		180	* 6.0	22.5
LEVEL TOE	192	* 4.7	22.3	LEVEL TOE	180	* 4.9	22.1	LEVEL TOE	188	* 5.8	22.7
					190	* 4.4	22.6				
				LEVEL TOE	192	* 4.1	22.9				
* HI = 27.0				* HI = 27.0				* HI = 28.5			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17 ST. CANAL X-SECT.
 SHEET NO. 29 87 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE PO 4/1/87

STA 635+00 WATER = 20.8 * 28.5 = HI				STA 636+00 WATER = 20.80 * 28.5 = HI				STA 637+00 WATER = 20.8 * 28.5 = HI			
LEVEE TOE	35'	* 3.0	25.5	LEVEE TOE	36'	* 3.0	25.5	LEVEE TOE	37'	* 2.9	25.6
T/C	41'	* 4.2	24.3	T/C	47'	* 5.5	23.0	T/C	47'	* 5.7	22.8
TOE	42'	* 7.3	21.2	W/E	54.5	* 7.7	20.8	TOE	48'	* 7.5	21.0
W/E	49'	* 7.7	20.8					W/E	50'	* 7.7	20.8
	50'	0.9	19.9		60	2.9	17.9		60	6.7	14.1
	60	5.8	15.0		70	9.0	11.8		70	9.8	11.0
	70	9.0	11.8		80	9.5	11.3		80	9.4	11.4
	80	8.8	12.0		90	9.4	11.4		90	9.6	11.2
	90	9.2	11.6		100	9.8	11.0		100	9.8	11.0
	100	9.3	11.5		110	10.0	10.8		110	9.5	11.3
	110	9.5	11.3		120	9.2	11.6		120	9.0	11.8
	120	9.3	11.5		130	9.7	11.1		130	9.4	11.4
	130	9.7	11.1		140	9.2	11.6		140	9.1	11.7
	140	10.0	10.8		150	9.5	11.3		150	8.7	12.1
	150	10.7	10.1		160	8.1	12.7		160	6.6	14.2
	160	7.7	13.1		170	1.1	19.7		170	0.7	20.1
	170	0.4	20.4	W/E	175	* 7.7	20.8	W/E	173	* 7.7	20.8
W/E	171	* 7.7	20.8	TOE	178	* 7.1	21.4	TOE	177.5	* 7.1	21.4
T/C	180	* 5.3	23.2	T/C	179	* 6.6	21.9	T/C	178	* 5.3	23.2
LEVEE TOE	189	* 5.0	23.5	LEVEE TOE	183	* 5.3	23.2	LEVEE TOE	180	* 5.3	23.2
* HI = 28.5				* HI = 28.5				* HI = 28.5			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X-SECT.
 SHEET NO. 30 OF 83
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 2" = 40' 4/1/87

STA 638+00				STA 639+00			
WATER = 20.8				WATER = 20.8			
$\frac{7.9}{\star 28.7 = HI}$				$\star HI = 28.7$			
LEVEL TOE	34.0	$\star 5.0$	23.7	LEVEL TOE	33.5	$\star 4.2$	29.5
TIC	47'	$\star 5.7$	23.0	TIC	37'	$\star 5.7$	23.0
TOE	48'	$\star 7.2$	21.5	TOE	38'	$\star 7.2$	21.5
W/E	48.0'	$\star 7.9$	20.8	W/E	40'	$\star 7.9$	20.8
	52	3.3	17.5		50	6.1	14.7
	60	9.4	11.4		60	7.7	13.1
	70	10.2	10.6		70	7.9	12.9
	80	9.5	11.3		80	7.8	13.0
	90	9.4	11.4		90	7.6	13.2
	100	8.7	12.1		100	7.8	13.0
	110	8.6	12.2		110	8.2	12.6
	120	8.8	12.0		120	8.1	12.7
	130	8.9	19.9		130	8.0	12.8
	140	9.0	11.8		140	7.0	13.8
	150	9.2	11.6		150	8.0	12.8
	160	5.5	15.3		160	6.0	14.8
W/E	170	$\star 7.9$	20.8	W/E	170	0.5	20.3
TOE	172	$\star 7.5$	21.2	TOE	172	$\star 7.9$	20.8
TIC	175	$\star 6.0$	22.7	TIC	174	$\star 7.3$	21.4
LEVEL TOE	180	$\star 5.3$	23.4	LEVEL TOE	177	$\star 4.9$	23.8
$\star HI = 28.7$				$\star HI = 28.7$			

* Note: ~~Be~~ Are Taken Out After Survey ∴ Stations North of

WALKER & AVERY, INC. 54443.8

SHEET NO. 24 OF

1315 FNBC Building
NEW ORLEANS, LOUISIANA 70112

Phone 581-6683

CALCULATED BY _____ DATE _____

m.s.

CHECKED BY R.I. L.H. M.C. DATE 2-13-87

SOUNDINGS

SCALE _____

TOP OF WALL: 27.85 *
- ROD READING: 6.68
TOP OF WATER: ~~34.53~~
21.17 ✓

STATION 538+70

539 + 73.54

* TOP OF WALL @ STA. 540+93

3

OFFSET RIGHT

200	4.8	16.4
190'	4.8	16.4
185'	4.8	16.4
170'	4.8	16.4
160'	4.8	16.4
150'	4.8	16.4
140'	4.7	16.5
130'	4.7	16.5
120'	4.6	16.6
110'	4.6	16.6
100'	4.6	16.6
90	4.5	16.7
80	4.4	16.8
70	4.4	16.8
60	4.5	16.7
50	4.4	16.8
40	4.4	16.8
30	4.4	16.8
20'	3.3	17.9
14.3'	3.8	17.4 @

SOUNDINGS: LAKE TO
HAMMOND AVE

WALL BULKHEAD

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 25 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____

SCALE _____

TOP OF WALL: 27.85 *
 - ROD READING: 6.65
 TOP OF WATER ~~27.20~~
 21.20

STATION ~~539+50~~
 540 + 53.54

* TOP OF WALL @ STA 540+73

(2)

OFFSET RIGHT

200'	5.7	15.5
200	5.7	15.5
190	5.8	15.4
180	5.8	15.4
170	5.6	15.6
160	5.5	15.7
150	5.4	15.8
140	5.4	15.9
130	5.3	15.9
120	5.3	15.9
110	5.2	16.0
100	5.1	16.1
90	5.1	16.1
80	5.0	16.2
70	5.1	16.1
60	4.9	16.3
50	4.8	16.4
40	4.9	16.3
30	4.5	16.7
21.8'	3.6	17.4 @ WALL BULKHEAD

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 26 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

TOP OF WALL: 27.85 *
 - ROD READING: 6.60
 TOP OF WATER: 21.25 ✓

STATION ~~539~~ 90
 540 + 0.54

* TOP OF WALL 540+73

OFFSET RIGHT

28.0	4.9	164	@ WALL BULKHEAD
30.0'	4.9	164	
40.	5.0	162	
50.	5.2	160	
60	5.4	158	
70	5.7	155	
80	5.7	155	
90	6.0	152	
100	6.2	150	
110	6.5	147	
120	7.3	139	
130	6.7	145	
140	6.7	145	
150	6.7	145	
155.	6.7	145	@ BRUNINGS REST.

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 27 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

TOP OF WALL: 27.85 STATION 540~~73~~
 - ROD READING: 6.60
 TOP OF WATER 21.20

OFFSET RIGHT

191.5	6.9	14 ³ / ₄	@ WALL
185.0	7.0	14 ² / ₄	
180.0	7.8	13 ⁴ / ₄	
170.	7.6	13 ⁶ / ₄	
160	7.5	13 ⁷ / ₄	
150'	7.5	13 ⁷ / ₄	
140	7.5	13 ⁷ / ₄	
130	7.6	13 ⁶ / ₄	
120	7.9	13 ³ / ₄	
110	7.5	13 ⁷ / ₄	
100	7.3	13 ⁹ / ₄	
90	7.0	14 ² / ₄	
80	6.7	14 ⁵ / ₄	
70	6.4	14 ³ / ₄	
60	6.0	15 ² / ₄	
50	5.9	15 ³ / ₄	
40	3.1	18 ¹ / ₄	
30	2.4	18 ⁸ / ₄	
23	2.0'	19 ² / ₄	@ BULKHEAD
23	-3.2	24 ⁴ / ₄	TOP WOOD BULKHEAD 6"
22.5	-3.2	24 ⁴ / ₄	@ EDGE BRIDGE TOP OF BULKHEAD
22.5	0.0	21 ² / ₄	GR @ BULKHEAD
	0.0	21 ² / ₄	@ END OF BRIDGE

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 28 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R. L. H. M.C. DATE 3-13-87
 SCALE _____

TOP OF WALL = 27.93 STATION 541+43.8
 - ROD READING = 6.70
 TOP OF WATER 21.23

OFFSET RIGHT

Offset	Reading	Water Edge
38'	0.0	21 1/2
45'	1.6	20 2/2
50'	1.0	20 2/2
60'	2.0	19 2/2
70'	4.7	16 5/2
80'	8.0	13 2/2
90'	8.2	13 0/2
100'	8.4	12 8/2
110'	8.4	12 9/2
120'	8.4	12 8/2
130'	8.6	12 6/2
140'	8.5	12 7/2
150'	8.4	12 8/2
157.7'	7.5	@ WALL 13 7/2

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 29 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R.I. L.H. n-c DATE 2-10-87
 SCALE _____

TOP OF WALL = 27.92 STATION 541+90
 - ROD READING = 6.68
 TOP OF WATER 21.24 /

OFFSET RIGHT

76.2	0.0	WATER EDGE	21.24
80'	2.2	19.0	
90	7.2	14.0	
100	9.0	12.2	
110'	9.5	11.7	
120	9.6	11.6	
130	9.9	11.3	
140	10.4	10.8	
150	10.1	11.1	
155	9.5	11.7	
159.2	8.7	@ WALL	12.5

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 30 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____

SCALE _____

TOP OF WALL: 27.77 STATION 543+50
 - ROD READING: 6.52'
 TOP OF WATER 21.25

OFFSET RIGHT

55'	0.0	WATERS EDGE	21.2
60	1.0	20.2	
70	3.4	17.8	
80	5.3	15.9	
90	8.5	12.7	
100	10.9	10.3	
110	13.7	7.5	
120	13.5	7.70	
130	13.5	7.7	
140	13.3	7.9	1
150	13.1	8.1	
160	11.3	9.9	
164.3'	9.3	@ WALL	11.9

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 31 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

TOP OF WALL: 27.79 STATION 544 + 52
 - ROD READING: 6.53
 TOP OF WATER: 21.26

OFFSET RIGHT

81'	0.00	WATERS EDGE	21.3
89'	2.9		18.4
94'	7.4		13.9
100'	9.8		11.5
110'	13.9		7.4
120	17.1		4.2
130	17.1		4.2
140	18.0'		3.3
150	17.6		3.7
160	14.4		6.9
166.0'	13.4	@ WALL	7.9
166.2	6.0	@ WALL	15.3
162.0	5.0'		16.3

1

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6883

JOB _____
 SHEET NO. 32 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

TOP OF WALL = 27.44 STATION 546+00
 - ROD READING = 6.16
 TOP OF WATER 21.28 ✓

OFFSET RIGHT

1.5	1.3	20 ⁰ ✓	@ DOCK
2.5 50'	2.5	18 ⁹ ✓	
60'	3.0	18 ³ ✓	
70'	3.3'	18 ⁰ ✓	
80	3.6	17 ⁷ ✓	
90'	5.0	16 ³ ✓	
95'	7.6	13 ⁷ ✓	
100'	9.9	11 ⁴ ✓	
110'	13.7	7 ⁶ ✓	
120'	18.8	2 ⁵ ✓	
130'	18.8	2 ⁵ ✓	1
140	19.7	2 ⁶ ✓	
150	19.0'	2 ³ ✓	
160	17.0		
164'	15.6	@ WALL 5 ⁷ ✓	
167.6'	13.2	@ WALL 8 ¹ ✓	

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 33 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____

SCALE _____

TOP OF WALL: 27.58
 - ROD READING: 6.29
 TOP OF WATER 21.29

STATION 547+15

OFFSET RIGHT

46'	0.0
50'	0.6
60'	2.4
70'	2.5
80'	3.4
90'	5.8
95'	8.0
100'	11.7'
110	13.3
120	14.8
130	16.0'
140	16.5'
150	16.5'
160	15.8
169.8 165	14.6
169.8	13.0'

WATER'S EDGE 213

207
 189
 188
 172
 155
 133
 96
 80
 65
 53
 48
 48
 55
 67
 83

@ WALL

WALKER & AVERY, INC.
 1315 FNBC Building
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 Phone 581-6683

JOB _____
 SHEET NO. 34 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____

SCALE _____

TOP OF WALL: 27.76
 - ROD READING: 6.42
 TOP OF WATER 21.34

STATION 548+20

OFFSET RIGHT

OFFSET RIGHT		WATERS	EDGE 21.3
56.0'	0.0	19.6	
70'	1.7	18.7	
80'	2.6	15.3	
90'	6.0	8.7	
100'	12.6	6.6	
110'	14.9	5.3	
120'	16.0	5.3	
130'	16.0	4.8	
140	16.5	5.3	
150	16.0	5.9	
160	15.4	11.1	
170	10.2	11.8	
171.9	9.5		

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB _____
 SHEET NO. 25 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____

SCALE _____

TOP OF WALL: 27.78 STATION 549+22
 - ROD READING: 6.44
 TOP OF WATER 21.34

OFFSET RIGHT

58.2	0.0'	WATERS EDGE 21.3
65.0	1.7'	19.6
70.0	3.5	17.8
80.0	5.2	16.1
90.0	8.2	13.1
100.0	12.6	8.2
110.0	15.0'	6.3
120.0	16.0'	5.3
130.0	17.6	3.7
140.0	17.3	4.0
150.0	16.5	4.8
160.0	14.0'	7.3
170.0	9.2	12.10
173.5	7.8	@ WALL 13.5

WALKER & AVERY, INC.
1315 FNBC Building
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Phone 581-6683

JOB _____

SHEET NO. 26 OF _____

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE _____

TOP OF WALL: ~~549~~ 27.78 STATION 549+67
- ROD READING: 6.40
TOP OF WATER 21.38

OFFSET RIGHT

70'	2.0	19 ⁴	@ DOCK
80'	4.6	16 ⁸	
90'	8.2	13 ²	
100'	12.1	9 ³	
110'	15.2	6 ²	
120'	17.3	4 ¹	
130	17.9	3 ⁵	
140	17.0'	4 ⁴	
150	16.2'	5 ²	
160	15.0'	6 ⁴	
170	10.5'	10 ⁹	
174.	7.7	13 ⁷	@ WALL

1

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
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JOB _____
 SHEET NO. 77 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

TOP OF WALL: 27.78 STATION 550+37
 - ROD READING: 6.41
 TOP OF WATER 21.37

OFFSET RIGHT

175.3	7.9	135	@ WALL
170.0	9.5	119	
160	15.6	58	
150	15.9	55	
140	16.2	52	
130	16.8	46	
120	16.2	52	
110	15.4	60	
100	12.6	88	
90	9.9	115	
80	5.3	162	
70	2.6	183	
67	1.2	202	

WALKER & AVERY, INC.
 1315 FNBC Building
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 Phone 581-6683

JOB _____
 SHEET NO. 33 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R. I. L. H. M. C. DATE 2-10-87
 SCALE _____

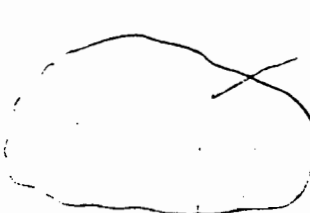
TOP OF WALL: 27.45 STATION 552+05
 - ROD READING: 6.11
 TOP OF WATER 21.34

OFFSET RIGHT

53'	0.0	@ WATERS EDGE 21.3
60'	1.0	20.3
70	4.9	16.4
80	7.4	13.9
90	12.4	8.9
100	17.6	3.7
110	17.9	3.4
120	17.0	4.3
130	16.2	5.1
140	15.0'	6.3
150	14.2	7.1
160	13.8	7.5
170	10.6	10.7
176.2	7.5	@ WALL 13.5

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17 ST. GAMA 4/L JEFFERSON SIDE
 SHEET NO. 1 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE AS SHOWN 4/14/07



UNABLE
 TO
 SET
 673+00
 CORNERS
 SITE
 @ Pumping STA.

STA 670+00
 D=1181.78
 from
 658+00
 4.64
 2 MON 21

SOUND WAS: I/10
 TO R/R

665+00
 700' from
 658+00

STA 660+00

15+25.56
 PK
 STA 658+00

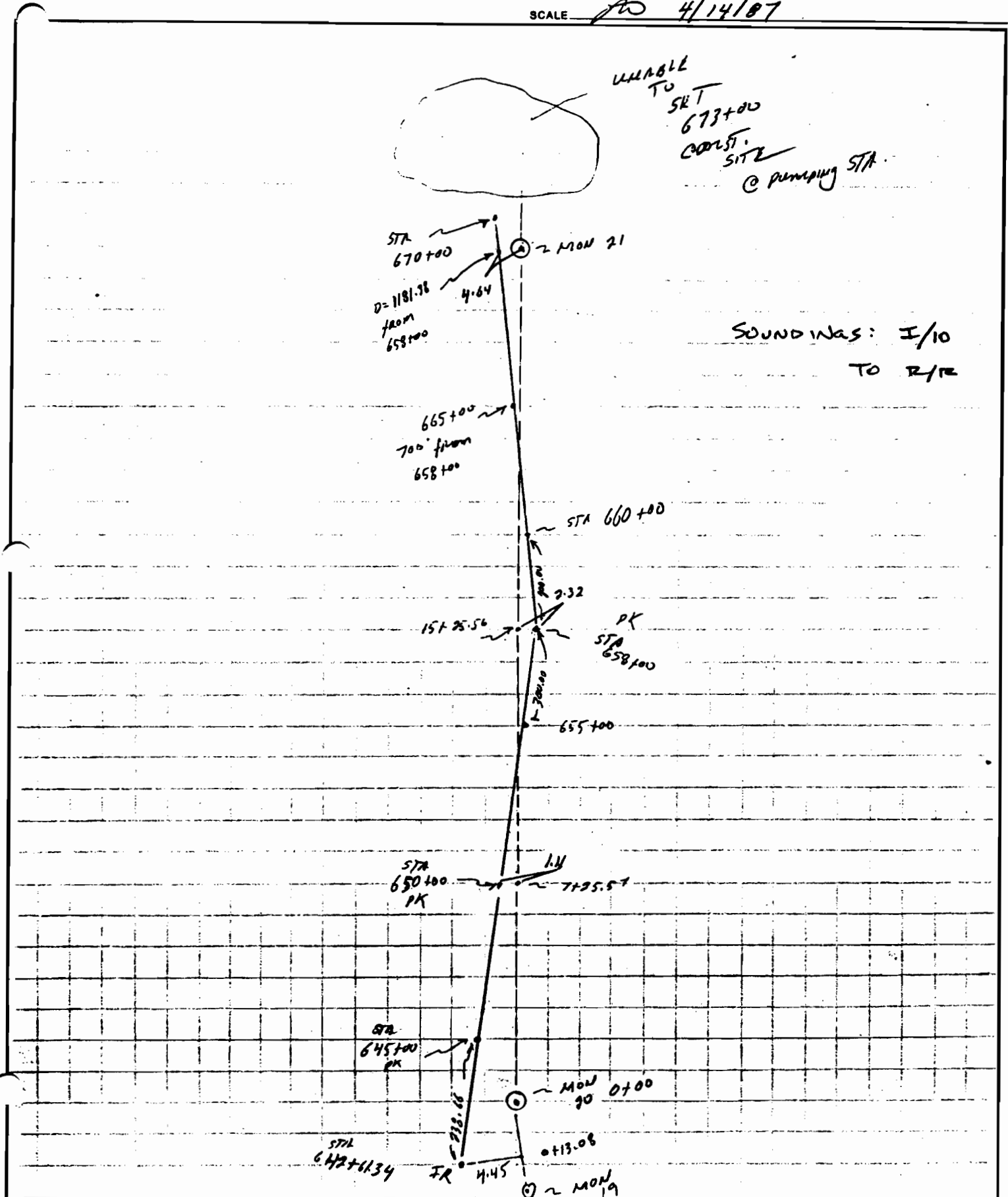
655+00

STA 650+00
 PK
 1.11
 7+25.87

STA 645+00
 PK

MON 20 0+00

STA 642+61.34
 IR
 4.45
 0+13.08
 2 MON 19



WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X SECT.
 SHEET NO. 2 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE PO 4/14 + 15/107

STA	% L	% RT	+	HI	-	ELEV	DESC.
645+00			4.73	33.30		33.57	TBM P-2
	1.2				4.84	33.43	TBM P-3 33.47 ✓
	31.2				4.81	33.49	TIC + EDGE of ASPHALT
	36.4				15.2	23.1	TOE of LEVEE
	32.7				17.06	21.24	WATER Edge + TOP of WATER
					16.4	21.9	TOE
		7.3			4.92	33.38	TIC + edge of ASPHALT
		51.5			18.9	19.4	LEVEE TOE
		54.7			19.3	19.0	FENCE
	650+00			4.78	33.25		33.47
3.1					4.9	33.35	TIC + ASPHALT edge
34.7					15.4	22.85	LEVEE TOE
35.7					16.6	21.65	TOE
38.2							WATER Edge
		5.9			5.1	33.15	TIC + ASPHALT edge
		53.4			18.3	19.75	LEVEE TOE
		63.4			18.8	19.45	ground spot
					4.78	33.47	TIE BACK TO TBM P-3

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th ST. CANAL X SECT.
 SHEET NO. 3 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 40' 4/15/87

STA	% L	% RT.	+	HI	-	ELV	DESC.	
655+00			4.52	3355		3363	TBM P-4	
	5.0				4.71	3344	TIC + Edge of ASPHALT	
	35.9				15.3	2285	LEVEE TOE	
	37.7				16.7	2145	W/E	
		4.1				4.85	3339	TIC + Edge of ASPHALT
		42.5				16.6	2155	LEVEE TOE
		52.5				17.7	2045	ground shot
						4.52	3363	TIE BACK TBM P-4
	660+00			4.92	3340		3348	TBM P-5
		2.5				4.87	3353	TIC + ASPHALT Edge
32.9					14.8	2360	LEVEE TOE	
41.2					15.4	230	TIC	
43.0					17.0	214	W/E	
		6.8				5.06	3334	TIC + ASPHALT Edge
		50.7				16.2	222	LEVEE TOE
		60.7				17.5	209	ground shot
						4.72	3368	TIE TO TBM P-6 (3367) ✓

WALKER & AVERY, INC.
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JOB 17 ST CANAL X SECT.
 SHEET NO. 4 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 40' 4/15/87

STA	o/s _L	o/s _{RT}	+	HI	-	ELCU	DESC.
665+00	29.8 38.6	0.50 9.4 41.5 46.6 47.6	4.65	3032		3307	TBM P-6
					15.0	2332	LEURE TOE
					16.9	2142	W/R
					4.90	3342	TIC + ASPHALT PEDGE
					5.16	3316	" " "
					16.5	2182	LEURE TOE
					16.7	2142	FENCE
					17.6	2072	GROUND SHOT
					4.83	3349	TIE TO TBM P-7
			670+00	20.4 40.3	14.0 16.2 46.0 59.6 69.6	4.89	3032
		5.9				3242	TIC LEURE
		16.9				2142	W/R + TOE
							TIC RAMP
		5.8				3252	CONC. ABUTMENT
		6.9				3142	" "
		8.0				3032	RAMP TIC
		15.4				2292	TOE
		16.2				2212	GROUND SHOT
		4.89				3343	TIE BACK TO TBM P-8

WALKER & AVERY, INC.
 1315 FNBC Building
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JOB 17th St. Canal * S&T
 SHEET NO. 5 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE 1" = 10' 4/15/97

STA 645+00 WATER ELEV = 21.90			STA 650+00 WATER ELEV = 21.90			STA 655+00 WATER ELEV 21.9		
+36.4		w/E 21.2	+38.2		w/E 21.2	+37.8		w/E 21.2
+40	0.4	20.3	+40.0	0.6	20.6	+40.0	0.1	21.1
+45.0	3.0	18.2	+50	4.3	16.9	+50	3.4	17.8
+50	4.7	16.5	+60	6.5	14.7	+60	5.8	15.4
+60	6.2	15.0	+70	8.4	12.9	+70	8.3	12.9
+70	9.6	11.6	+80	10.6	10.6	+80	10.2	11.9
+80	12.2	9.0	+90	14.0	7.2	+90	12.4	8.80
+90	13.9	7.3	+100	13.3	7.9	+100	13.3	7.9
+100	14.1	7.1	+110	13.0	8.2	+110	13.8	7.4
+110	16.7	4.5	+120	13.7	7.5	+120	12.7	8.5
+120	18.0	3.2	+130	13.7	7.5	+130	12.5	8.7
+130	16.0	5.2	+140	11.2	10.0	+140	11.2	10.0
+140	13.6	7.6	+150	10.0	11.2	+150	9.6	11.6
+150	10.0	11.2	+160	7.1	14.1	+160	6.1	15.1
+160	8.4	12.8	+170	4.2	17.0	+170	2.2	19.0
+170	5.9	15.3	+180	1.3	19.2	+180.0		w/E 21.2
+185.5		w/E 21.2	+186.0		w/E 21.2	+184.0		LEVEE TOE + T/C
+190.0		LEVEE TOE + T/C	+191.0		LEVEE TOE + T/C			

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB 17th St Canal X S&T
 SHEET NO. 1 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE fn 4/15/87

STA 660+00

WATER ELEV = 21.2

0+43.0		W/E 21.2
0+46.0	0.30	20.9
+50.0	1.2	20.2
+60.0	5.3	15.9
+70	8.5	12.7
+80	10.7	10.5
+90	10.4	10.3
1+00	11.9	9.4
1+10	11.0	10.2
1+20	11.0	10.2
1+30	11.2	10.2
1+40	11.4	9.8
1+50	10.6	10.6
1+60	7.8	13.4
1+70	6.8	14.4
1+80	4.6	16.6
1+89.0		W/E 21.2
1+92.0		Canal Tie + LEVEE TOE

STA 665+00

WATER ELEV = 21.2

0+48.8		W/E 21.2
0+50	4.2	17.0
+60	6.3	14.9
+70	8.0	13.2
+80	9.6	11.6
+90	10.4	10.8
1+00	9.7	11.5
1+10	9.3	11.9
1+20	9.3	11.9
1+30	9.2	12.0
1+40	9.2	12.0
1+50	10.0	11.2
1+60	8.4	12.8
1+70	5.9	15.3
1+80	3.7	17.5
1+90		W/E 21.2
1+95.0		Tie Canal + LEVEE TOE

STA 670+00

WATER ELEV = 21.2

0+40.3		W/E + TOE 21.2
0+50.0	3.3	17.9
+60	6.7	14.5
+70	8.7	12.5
+80	10.0	11.2
+90	10.5	10.7
1+00	11.2	10.0
1+10	10.7	10.5
1+20	10.3	10.9
1+30	9.8	11.4
1+40	9.7	11.5
1+50	8.0	13.2
1+60	5.4	15.8
1+70	2.2	19.0
1+76.0		W/E 21.2
1+81.0		Tie of Canal + LEVEE TOE

7 14
 6 23
 5 22
 4 21

Work: The A/C Taken out After Sunday 11/27/1968 METAIKIE LEVEE LANE

WALKER & AVERY, INC. Stations SHEET NO. 2. 9 OF

1315 FNBC Building North
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683
 CALCULATED BY DATE
 CHECKED BY R. I. K. B. L. H. DATE

 SECTIONS M.S.S. SCALE

STA.	O/S	O/S	B.S.	HI	F.S	ELEV	DESCRIPTION
550+22.11			5.09	39.29		29.20 ✓	U.S.C.E MON.
552+50	0				4.52	29.77	E.R. JEFFERSON AND
"	10.0				4.49	29.80	E ORLEANS LEVEE
"	19.9				4.73	29.56	E.R. SECTIONS: LAKE
"	20.0'				0.43	33.86	Top WALL TO HAMMOND HW
"	21.6				5.3	29.0	H.B.
"	27.0'				7.2'	27.0	GR.
"	34.0'				8.4'	25.9	TOE
"	61.5'				9.7	24.6	GR
"	10.2	10.2			6.21	28.08	E. ASPHALT
"		27.7			9.5	24.8	TOE
"		47.0'			10.4	23.2	HIGH BANK
552+05	1.0'				4.41	29.88	E.RD
"	10.0'				4.19	30.10	E.RD
"	20.3				4.03	30.26	E.RD
"	20.3'				0.57	33.72	Top WALL
"	22.7'				5.0	29.3	HIGH BANK
"	27.5'				7.6	26.2	GR.
"	38'				10.0	24.3	TOE
"	64'				10.5	23.8	GR.
		5.2'			6.7	27.6	GR.
		11.0'			9.0	25.3	TOE
		25.0'			10.0	24.3	GR.
		48.0'			11.1	23.2	GR
		51.0'			12.2	22.1	H.B.
551+50	1.6'				4.40	29.9	E.RD
"	10.5				4.20	30.1	E.RD
"	20.5'				4.09	30.20	E.RD
"	20.5'				0.57	33.72	Top WALL
"	23.0'				5.6	28.7	HIGH BANK
"	27.1				7.3	27.0	GR.
"	36.0'				9.6	24.7	TOE
"	61'				9.8	24.5	GR.

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB METAIRIE RELIEF CANAL
 SHEET NO. 4 OF 10
 CALCULATED BY _____ DATE _____
 CHECKED BY R. I. K. B. L. H. DATE _____

SCALE _____

STA.	O/S L	O/S R	B.S.	HI	F.S	ELEV	DESCRIPTION
				34.29			
551+50		6.5			7.5	26.8	GR.
		16.7			10.7	23.6	TOE
		35.5			11.0	23.3	GR.
		47.0			11.5	22.8	HIGH BANK CANAL
551+00	1.7'				4.41	29.88	E. RD
	10.7				4.18	30.11	E. RD.
	20.7				4.01	30.28	E. RD.
	20.7				0.47	33.84	TOP WALL
	23.0				5.3	29.0	HIGH BANK
	26.1				6.8	27.5	GR
	33.0				8.5	25.8	TOE
	70.0				9.5	24.8	GR.
		5.6			6.7	27.6	GR.
		13.5			9.1	25.2	GR.
		16.0			10.4	23.9	TOE
		38.5			10.8	23.5	GR.
		41.7			11.1	23.2	@ BOAT SHED
550+37	1.5				4.08	30.21	E. RD.
	20.6				3.92	30.37	E. RD
	20.6				3.83	30.46	E. RD.
	20.6				0.41	33.88	TOP WALL
	23.0				4.3	30.0	GR
	29.5				4.2	30.1	"
	39.0				3.4	30.9	"
	47.5				2.4	31.9	"
	51.0				2.3	32.0	"
	56.7				2.8	31.5	"
	66.3				4.6	29.7	"
	76.4				5.8	28.5	"
		6.3			6.8	27.5	GR.
		13.9			8.8	25.5	GR.
		17.6			10.0	24.3	TOE
		37.6			10.4	23.9	GR.

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB METAIRIE RELIEF CANAL
 SHEET NO. 3 OF 11
 CALCULATED BY _____ DATE _____
 CHECKED BY R.I. K.B. L.H. DATE _____
 SCALE _____

STA.	O/S L	O/S R	B.S.	HI	F.S	ELEV	DESCRIPTION
55				34.29			
550+00	1.0				4.11	30.18	E. RD
	11.0'				3.87	30.42	E RD
	21.0'				3.88	30.41	E. RD
		7.3			6.9	27.4	GR.
		16.0			9.8	24.5	TOE
		35.0'			10.4	23.9	GR.
		55.0			10.8	23.5	GR.
		67.3'			11.0	23.3	HIGH BANK
549+67	0.0				4.42	29.87	E. RD
	10.3				4.10	30.19	E
	20.7				4.02	30.27	E. RD
		9.0'			7.5	26.8	GR.
		16.0			10.0	24.3	TOE
		39.0'			10.6	23.7	GR.
		57.0'			10.9	23.4	GR.
		61.5'			11.6	23.7	HIGH BANK CANAL
					5.09	29.20	U.S.C.E MON.
			7.58	36.78			
550+00	25.7				5.9	30.9	TOE
	33.5				4.2	32.6	GR.
	45.0'				2.3	34.9	CROWN OF LEVEE
	49.0'				2.0	34.8	E
	55.0'				2.7	34.1	CROWN OF LEVEE
	65.0				4.7	32.4	GR.
	80.0'				7.0'	29.8	TOE
549+67	30.5'				6.8	30.9	TOE
550+87	40.0'				5.1	31.7	GR
	53.5				3.8	33.0	CROWN
	56.0'				4.1	32.7	CROWN
	65.				5.9	30.9	GR.
	81.0'				9.0	27.8	TOE
					7.58	29.20	U.S.C.E MON.

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JOB METAIRIE KEEF CANAL

SHEET NO. 17 OF

CALCULATED BY DATE

CHECKED BY R.I. K.B. L.H. DATE

SCALE

STA.	O/S L	O/S R	B.S.	H.I.	F.S.	ELEV	DESCRIPTION
			4.40			29.20	
547+22			4.76	33.60			
	13.3'				6.28	27.32	E. RD
	17.7				6.37	27.23	E. RD
	23.2				6.5	27.1	GR.
	29.7				7.8	25.8	GR
	38.0				8.4	25.2	GR
	42.0				7.8	25.8	GR
	49.4'				7.7	25.9	GR.
	58.6'				9.0	24.6	@ FENCE
		3.1			6.51	27.07	E. RD.
		17.2			8.57	25.03	GR
		35.4			9.2	24.40	GR
		47.3'			9.8	23.8	GR.
		57.0'			10.3	23.3	HIGH BANK CANAL
549+00	6.5				7.47	26.13	E. RD.
	17.5				7.67	25.93	E. RD
	47.8'				8.6	25.0	GR.
	54.1				8.56	25.04	E. SIDEWALK
		6.0'			7.74	25.86	E. RD.
		7.7'			7.83	25.77	E. ASPHALT
		7.8'			8.1	25.5	GR.
		19.4'			8.6	25.0	GR.
		30.7'			9.8	23.8	GR @ GARAGE
					4.40	29.20	V.S.C.E MON.
			1.62	30.82			
T.B.M. "A"					4.31	26.51	"N.Y" ON F.H.
			3.81	30.32			
548+20	0'				4.97	25.35	E. RD
	12'				5.10	25.22	E. RD
	50'				6.0'	24.3	GR.
		11.0'			5.10	25.22	E. RD
		20.7'			5.4	24.9	GR.
		84.0'			6.58	23.74	EDGE OF DOCK + WATERS EDGE
T.B.M. "A"					3.81	26.51	

WALKER & AVERY, INC.
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JOB METAIRIE KEUF LANE
 SHEET NO. 13 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R.I. K.B. L.H. DATE _____

SCALE _____

STA.	O/S L	O/S R	B.S.	H.I.	F.S.	ELEV.	DESCRIPTION
T.B.M. A			3.12	29.63		26.51	
547+15	6.0'				5.25	24.38	E. RD
	45.5'				5.5	24.1	GR
		4.2			4.99	24.64	E. RD
		17.1			5.29	24.34	E. RD
		24.0'			5.4	24.2	GR.
		37.0'			6.1	23.50	HIGH BANK
		52.3			5.55	24.08	EDGE OF DOCK
T.B.M. A			2.97	29.48	3.12	26.51	
546+00	2.1'	2.97		29.48	5.09	24.39	E. RD
	2+50'				5.4	24.1	E. RD GR.
		9.0'			4.97	24.51	E. RD.
		20.7'			5.12	24.36	E. RD.
		22.9'			4.71	24.77	ASPHALT
		34.3			4.38	25.12	ASPHALT
		34.3			3.99	25.49	CONC.
		44.9			4.25	25.23	CONC. DOCK
T.B.M. A			2.97		2.97	26.51	
544+52	3.1'		3.52	30.03	5.60	24.43	E. RD
	50'				5.6	24.4	GR
	8.9'	8.7'			5.22	24.81	E. RD
	19.0	19.0			5.37	24.66	RD
	20.8	20.8			5.69	24.34	E. RD.
	52.2	52.2			6.4	23.6	GR.
	74.3	74.3			7.6	22.4	HIGH BANK
T.B.M. B					2.16	27.86	"N4" ON E.H. P. STA. 542+00
					2.12	27.90	"WOOD" ON " "
543+60	8.0'		2.63	30.54	5.42	25.12	E. RD.
	9.0'				5.3	25.24	GR
	9.0'				4.78	25.76	TOP OF CONC. RCK
	47'				4.6	25.94	GR.
		2.2'			5.28	25.26	E. RD
		17.1'			5.27	24.97	E. RD

WALKER & AVERY, INC.
 1315 FNBC Building
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JOB METAIRIE RELIEF CANAL
 SHEET NO. 14 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R. I. K. B. L. H. DATE _____
 SCALE _____

STA.	O/S L	O/S R	B.S.	H.I.	F.S.	ELEV	DESCRIPTION
			5.01	32.92		27.90	
541+90	4.2				6.37	26.55	E. RD
	14.7'				6.39	26.53	E. RD
	41.3				7.2	25.7	GR.
	52.0'				8.1	24.8	GR.
		8.0'			6.67	26.25	E. RD
		13.7'			6.6	26.3	GR.
		28.4'			5.7	27.2	GR.
		49.4'			6.1	26.3	HIGH BANK & RIP RAP
		61.0'			10.0'	22.9	RIP RAP
TBA "B"					5.01	27.90	
541+90			4.15	32.06			
		159.2			4.14	27.92	TOP WALL
		161.3			4.16	27.92	" "
		167.3			7.7	24.4	GR.
		172.0			7.2	24.9	TOE
		186.0			4.6	27.5	GR.
		198.0			1.7	30.4	CROWN
		201.5			1.4	30.7	E
		204.8			1.5	30.6	CROWN
		217			4.7	27.4	GR.
		226			6.7	25.4	TOE
		233.6			7.0	25.1	@ FENCE
542+50		161.1			4.08	27.98	TOP WALL
		163.2			4.12	27.94	" "
		163.2			9.2	22.2	HOLE @ WALL
		165'			8.5	23.6	GR.
		174.3			7.9	24.2	TOE
		189.0			6.1	26.2	GR.
		200.0			1.6	30.5	CROWN
		204.0			1.4	30.7	E
		208.2			1.6	30.5	CROWN
		222.2			5.9	26.2	GR.
		234.8			8.5	23.6	TOE
		250'			8.8	23.3	GR.

WALKER & AVERY, INC.
 1315 FNBC Building
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 Phone 581-8683

JOB METAIRIE RELIEF CANAL
 SHEET NO. 15 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R. I. K. B. L. H. DATE _____
 SCALE _____

STA.	O/S L	O/S R	B.S.	H.I.	F.S.	ELEV	DESCRIPTION
				32.06			
543+00		162.5			4.23	27.83	TOP WALL
		164.6			4.25	27.81	" "
		164.6			8.4	23.7	GR.
		183.0			7.0	25.1	TOE
		192.0			4.5	27.6	GR.
		202.5			1.8	30.3	CROWN
		206.5			1.7	30.4	±
		210.5			1.9	30.2	CROWN
		224.0			6.2	25.9	GR.
		240.0			9.3	22.8	TOE
		260.0			9.5	22.6	GR.
543+60		164.3			4.29	27.77	TOP WALL
		166.4			4.29	27.77	" "
		166.4			8.6	23.5	GR.
		183.0			8.0	24.1	TOE
		193.3			5.7	26.4	GR.
		204.8			2.0	30.1	CROWN
		208.6			1.9	30.2	±
		212.5			2.2	29.9	CROWN
		227.0			6.0	26.1	GR.
		244.0			10.2	21.9	TOE
		275'			10.5	21.6	GR.
T.P.					3.01	29.05	543+50 - 208' 7 1/2"
			6.06	35.11			
544+00		165.4			7.34	27.77	TOP WALL
		167.5			7.35	27.76	" "
		167.5			11.5	23.6	GR.
		186.3			10.9	24.2	TOE
		195'			9.0	26.1	GR.
		206.5			5.3	29.8	CROWN
		207.8			5.1	30.0	±
		213.4			5.4	29.7	CROWN
		226.0			9.3	25.8	GR.
		249.0			13.4	26.5	TOE
		275			14.2	20.9	GR.

WALKER & AVERY, INC.
 1315 FNBC Building
 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6683

JOB METAIRIE KUEHL LANE

SHEET NO. 112 OF

CALCULATED BY DATE

CHECKED BY R. I. K. B. L. H. DATE

SCALE

STA.	O/S L	O/S R	B. S.	H.I	F. S	ELEV	DESCRIPTION
				35.10			
544+52		166.2			7.32	27.79	TOP WALL
		168.3			7.34	27.77	" "
		168.3			12.0'	23.11	GR.
		187.4			11.6	23.5	TOE
		200'			9.0'	26.1	GR
		209.0			5.5	29.6	CROWN
		222.8			5.4	29.7	Φ
		216.7			5.8	29.3	CROWN
		229'			9.5	25.6	GR.
		250'			13.2	21.9	TOE
		275			14.0	21.2	GR.
545+00		166.9			7.36	27.75	TOP WALL
		169.0			7.37	27.74	" "
		169.0			12.0	23.1	GR.
		189.0			11.8	23.3	TOE
		200'			8.9	26.2	GR
		211.2			5.5	29.6	CROWN
		215.0			5.3	29.8	Φ
		219.0			5.5	29.6	CROWN
		233.7			10.2	24.9	GR
		249.0			13.4	21.7	TOE
		275'			14.5	20.6	GR.
545+50		167.4			7.57	27.54	TOP WALL
		169.5			7.54	27.57	" "
		169.5			11.9	23.2	GR.
		190.0			11.7	23.4	TOE
		200.0			9.2	25.9	GR.
		213.4			5.7	29.4	CROWN
		217.4			5.3	29.8	Φ
		221.6			5.5	29.6	CROWN
		241.0			8.6	26.5	GR. say toe
		275.0			8.9	26.2	GR.

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JOB METAIRIE RELIEF CANAL
 SHEET NO. 17 OF
 CALCULATED BY DATE
 CHECKED BY R. I. K. B. L. H. DATE

SCALE

STA.	O/S L	O/S R	B.S.	H.I.	F.S.	ELEV	DESCRIPTION
				35.19			
546+00		167.6			7.67	27.44 ✓	TOP WALL
		169.7			7.67	27.44	" "
		169.7			12.4	22.7	GR
		187.0			11.6	23.5	TOE
		200'			7.7'	27.4	GR
		214.6			2.7	32.4	CROWN
		223.7			2.5	32.6	⊕
		229.2	?		2.5	32.6	CROWN
		250.0			2.8	32.3	GR
		275			4.3	30.8	GR
545+86		240'			0.5	34.6	⊕ LEVEE (EAST WEST)
"		219'			2.3	32.8	⊕ LEVEES (EAST-WEST + Main Street)
546+50		168.2			7.70	27.4	TOP WALL
		170.3			7.72	27.32	" "
		170.3			12.5	22.61	GR
		192.0			11.8	23.3	TOE
		204.0			7.4	27.7	GR
		214.7			3.2	31.9	CROWN
		220.0			2.9	32.2	⊕
		225.4			2.9	32.2	CROWN
		237.5			6.9	23.2	GR
		251'			11.1	24.2	TOE
		275'			12.7	22.4	GR
547+15		169.8			7.53	27.58 ✓	TOP WALL
		171.9			7.52	27.59	" "
		171.9			12.3	22.3	GR
		196.0			11.8	23.3	TOE
		209.0			6.8	28.3	GR
		217.3			3.7	31.4	CROWN
		222.9			3.2	31.9	⊕
		228.0			3.3	31.8	CROWN
		241.0			8.0	27.7	GR
		253'			11.8	23.3	TOE
		275			13.7	22.0	GR

WALKER & AVERY, INC.
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 Phone 581-6683

JOB METAIRIE KEEUF CANAL
 SHEET NO. 13 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R.I. K.B. L.H. DATE _____
 SCALE _____

STA.	O/S L	O/S R	B.S.	HI	F.S	ELEV	DESCRIPTION
				35.10			
547+50		170.5			7.47	27.63	TIP WALL
		172.6			7.45	27.66	TOP WALL
		172.6			12.4	22.7	GR
		198			11.7	23.4	TOE
		211.0			7.3	27.8	GR
		218.8			4.0	31.1	CROWN
		224			3.3	31.8	⊕
		229.0			3.4	31.2	CROWN
		242.3			8.2	26.9	GR
		251.0			10.7	24.4	TOE
		275			13.2	21.9	GR
548+20		171.9			7.35	27.76	TOP WALL
		174.0			7.36	27.75	" "
		174.0			12.6	22.5	GR
		201			11.8	23.3	TOE
		213.0			7.9	27.2	GR
		223.4			4.4	30.7	CROWN
		228.0			4.1	31.0	⊕
		232.6			4.3	30.8	CROWN
		243.0			7.5	27.6	GR
		252.0			10.5	24.6	TOE
		276.0			13.2	21.9	GR
T.P.					71.75	23.36	STA 548+00
			9.87	33.23			
548+50		172.3			5.44	27.79	TOP WALL
		174.4			5.45	27.78	" "
		174.4			10.6	22.6	GR
		201.0			10.2	23.9	TOE
		215.0			6.9	26.3	GR
		225.4			3.6	29.6	CROWN
		229.0			3.4	29.8	⊕
		232.8			3.6	29.6	CROWN
		246.0			6.9	26.3	GR
		252.8			8.9	24.3	GR OFF WALL
		252.8			8.76	24.47	TOP WALL

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JOB METAIRIE RELIEF CANAL

SHEET NO. 19 OF

CALCULATED BY DATE

CHECKED BY R. I. K. B. L. H. DATE

SCALE

STA.	O/S L	O/S R	B.S.	HI	F.S	ELEV	DESCRIPTION
				33.20			
549+22		173.5			5.45	27.78 ✓	TOP WALL
		175.6			5.45	27.78	" "
		175.6			10.5	22.7	GR
		205.0			10.3	22.9	TOE
		216.5			7.3	25.9	GR.
		227.7			3.8	29.4	CROWN
		232.0			3.5	29.7	⊕
		236.0			3.5	29.7	CROWN
		246.4			6.9	26.8	GR
		253.8			8.7	24.5	GR @ WALL
		253.8			8.66	24.57	TOP WALL
549+67		174.1			5.45	27.78 ✓	TOP WALL
		176.2			5.46	27.77	" "
		176.2			10.1	23.4	GR.
		206.3			10.3	22.9	TOE
		219.0			7.1	26.1	GR
		230.0			3.7	29.5	CROWN
		233.7			3.7	29.5	⊕
		237.0			3.8	29.4	CROWN
		247.5			6.8	26.4	GR
		254.4			8.8	24.4	GR @ WALL
		254.4			8.75	24.48	TOP WALL
550+37		175.3			5.45	27.78 ✓	TOP WALL
		177.4			5.49	27.74	" "
		177.4			10.0	23.2	GR.
		186.0			10.8	22.4	GR.
		208.0			10.9	22.8	TOE
		220			7.4	25.8	GR.
		231.0			3.9	29.3	CROWN
		234.8			3.7	29.5	⊕
		238.5			3.8	29.4	CROWN
		249.3			7.1	26.1	GR.
		255.3			8.9	24.3	GR.
		255.3			8.85	24.38	TOP WALL

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 Phone 581-8683

JOB METAIRIE RELIEF CANAL
 SHEET NO. 20 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R. I. K. B. L. H. DATE _____
 SCALE _____

STA.	O/S L	O/S R	B.S.	HI	F.S	ELEV	DESCRIPTION
				33.23			
551+00		175.7			5.41	2784	TOP WALL
		177.8			5.54	2769	" "
		187.8			10.2	230	GR @ WALL
		185.0			10.5	227	GR.
		193.0			11.2	220	GR
		200'			10.8	224	GR.
		205			10.5	227	TOE
		215.8			7.9	253	GR.
		229.3			3.8	294	CROWN
		232.5			3.5	297	¢
		236.0			4.2	290	CROWN
		247.4			6.5	267	GR.
		255.8			8.9	243	GR @ WALL
		255.6			8.87	2436	TOP WALL
551+50		176.0			5.65	2758	TOP WALL
		178.1			5.66	2757	" "
		178.1			10.2	2303	GR
		203.0'			10.4	2283	TOE
		214.6			7.5	252	GR.
		225.3			3.7	295	CROWN
		228.5			3.7	295	¢
		232.0			3.9	293	CROWN
		246.8			6.9	263	GR
		255.9			10.9	223	GR @ WALL
		255.9			10.86	2237	TOP WALL
552+05		176.2			5.78	2745	TOP WALL
		178.3			5.79	2744	" "
	178.3	178.03			10.3	229	GR.
		193.6			10.3	229	TOE
		208.4			7.3	259	GR
		220.3			3.9	293	CROWN
		223.0			3.8	294	¢
		225.3			4.0	292	CROWN
		245'			7.6	256	GR.
		252.5			9.7	235	TOE

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JOB METAIRIE RELIEF CANAL

SHEET NO. 21 OF _____

CALCULATED BY _____ DATE _____

CHECKED BY R. I. K. B. L. H. DATE _____

SCALE _____

STA.	O/S L	O/S R	B.S.	HI	F.S	ELEV	DESCRIPTION
				33.23			
552+80		176.1			5.90	27.33	Top WALL
		178.2			5.89	27.34	" "
		178.2			9.0	24.2	GR. @ WALL
		200'			6.7	26.5	"
		210.4			5.6	27.6	"
		210.4			4.36	28.97	Top CONC.
		211.9			4.32	28.95	" "
		211.9			5.8	27.4	GR.
		213.0			4.7	28.5	CROWN GR.
		216.7			4.0	29.2	LEVEE CROWN
		219.4			3.8	29.4	CROWN @ LEVEE
		223.3			3.9	29.3	GR. CROWN
		227.0			4.5	28.7	GR. GR.
		241.0			7.9	25.3	GR. GR.
		257.0			9.2	24.0	GR. GR.
					4.04	29.19	U.S.C.E MON. (29.20)

WALKER & AVERY, INC.
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 NEW ORLEANS, LOUISIANA 70112
 Phone 581-6883

JOB METAIRIE RELIEF CANAL
 SHEET NO. 22 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R.I. K.B. M.C. DATE 2-13-86

ORLEANS PARISH SIDE

SCALE _____

STA.	O/S L	O/S R	B.S.	HI	F.S.	ELEV	DESCRIPTION
542+00			7.18	35.09		27.91	"WOOD" ON F.A.
541+43.8		157.7'			7.16	27.93	TOP WALL
		158.8			7.19	27.90	TOP WALL
		158.8			15.4	19.7	GR. @ WALL
		161.5			13.9	21.4	GR.
		162.0			10.6	24.5	GR.
		175.9			9.5	25.6	TOE
		187'			7.1	23.0	GR.
		196.9			4.5	30.6	CROWN
		200'			4.4	30.2	@ LEVEE
		203			4.5	30.6	CROWN
		213.2			6.6	28.5	GR.
		220.1			7.9	27.2	TOE
		226.3			7.97	27.12	CONC. SLAB
		NOTE	THIS SECTION		L TO	ORLEANS PARISH FLOOD WALL	
541+73		191.5			7.24	27.85	TOP WALL
		193.6			7.28	27.81	TOP WALL
		193.6			10.6	24.5	GR. @ WALL
		196.0			9.4	25.2	GR.
		210.0			8.2	26.9	TOE
		219.9			6.2	28.9	GR.
		225.3			4.8	30.3	CROWN
		230			4.6	30.5	@ LEVEE
		235			4.9	30.2	CROWN
		243			7.2	27.9	GR.
		251.8			11.2	23.9	TOE
		275'			12.5	22.6	GR.
542+00					7.18	27.91	"WOOD" ON F.A.

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 Phone 581-6683

JOB METAIRIE RELIEF CANAL
 SHEET NO. 23 OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY R.I. K.B. & M.C. DATE 2-13-86

JEFFERSON PARISH SIDE

SCALE _____

STA.	O/S L	O/S R	B.S.	HI	F.S.	ELEV	DESCRIPTION
542+00			4.89	32.80 ✓		27.91	"WOOD" ON F.H.
541+43.8	8.9' 18.4' 50'	2.4'			4.40	28.40	EDGE OF ROAD
					5.43	27.37	EDGE OF ASPHALT DR.
					7.1	25.7	GROUND
					3.90	28.90	↳ ROAD
					3.73	29.07	E. RD.
					4.0	28.8	GR.
		27.6		4.7	28.1	H.B. TOP OF RIP RAP	
540+73	0.0 +5.1	0.0 15.1			3.93	28.87	P.I. (P.K. NAIL) ASPHALT RD.
					2.87	29.93	EDGE OF BRIDGE
539+90 40+97.5A		0.0			7.0	25.9	GROUND
		15.8			7.1	25.7	EDGE OF RIP RAP
		21.0			4.5	28.3	TOP " " "
		25.2			6.33	26.47	TOP BULKHEAD
		25.7			6.33	26.47	" " "
539+50 540+53.5A		0'			7.4	25.4	GROUND
		11.0			7.4	25.4	EDGE OF RIP RAP
		16.0			6.0	26.8	TOP " " "
		21.3			6.41	26.39	EDGE OF BULKHEAD
		21.8			6.41	26.39	" " "
538+70 539+73.5A	6.5 11.5' 25.0'	0'			5.0	27.9	TOP OF RIP RAP
					5.4	27.4	" " " "
					7.6	25.2	EDGE OF RIP RAP
					8.0	24.8	GROUND
		13.8			6.44	26.34	EDGE OF BULKHEAD
		14.3			6.44	26.34	" " "
42+00				4.89	27.91 ✓	"WOOD" ON F.H.	

SURVEY JOB NUMBER RECORD

From Corey Section

Job No. 86-58

Subject 17th St. Canal

Book Number	Pages		Title or Description
	From	To	
<u>86-0231</u>	<u>1</u>	<u>19</u>	<u>Water Surface</u>
<u>86-0232</u>	<u>1</u>	<u>30</u>	<u>X-SECTION</u>

Referred To	By	Date
<u>Des Memo</u>	<u>Duggs & Aerial Photo File</u>	<u>7 Mar 86</u>
<u>Mr. Teckemeyer</u>		

Remarks: _____

Filed by _____

Date _____

JOB NO: 8628
 SURVEY REQUESTED BY
 17TH STREET OUTFALL CANAL
 BOOK NO: 860232

ADJUSTED

DATE 3/4/86

DEPARTMENT OF THE ARMY
 CORPS OF ENGINEERS
 NEW ORLEANS DISTRICT
 TRAVERSE COMPUTATIONS
 NORTH AMERICAN 1927 DATUM

LOUISIANA SOUTH ZONE

FILE NO. STATION	ADJ. ANGLE MEAS. ANGLE	ADJ. DISTANCE MEAS. DISTANCE	BACK GEOD. AZIMUTH FWD. GEOD. AZIMUTH	PLANE DISTANCE	PLANE AZIMUTH	LATITUDE DEGS-MIN-FT Y-COORDINATE DEGS-MIN-SEC	LONGITUDE DEGS-MIN-FT X-COORDINATE DEGS-MIN-SEC
B. S. = PL 54							
(1) PL 53	38-55-38.1 38-55-37.0	480.657 480.680	243-56-46.9 282-52-25.0	480.621	282-16- 6.7	30- 1+1244.988 494186.589 30- 1-12.32403	90- 7+2064.751 2382972.295 90- 7-23.48549
(2) WEST 0+00	261-12-24.5 261-12-24.0	549.992 549.970	102-52-27.7 4- 4-52.2	549.951	3-28-31.3	30- 1+1137.894 494084.460 30- 1-11.26392	90- 7+1596.183 2383441.940 90- 7-18.15571
(3) WEST 5+50	89-22- 1.8 89-22- 2.0	207.953 207.980	184- 4-52.0 273-26-53.8	207.937	272-50-33.1	30- 1+ 589.297 493535.521 30- 1- 5.83340	90- 7+1635.350 2383408.602 90- 7-18.60093
(4) EAST 5+50	91-13-15.6 91-13-16.0	549.968 549.990	93-26-55.0 184-40-10.6	549.927	184- 3-48.7	30- 1+ 576.788 493525.209 30- 1- 5.70958	90- 7+1427.775 2383616.284 90- 7-16.23991
(5) EAST 0+00	137- 1-51.3 137- 1-51.0	416.781 416.780	4-40-10.8 141-42- 2.2	416.751	141- 5-40.0	30- 1+1124.931 494073.754 30- 1-11.13560	90- 7+1382.980 2383655.253 90- 7-15.73064
(6) PL 54	102-14-48.6 102-14-49.0	0.000 0.000	321-42- 0.7 63-56-49.3	0.000	63-20-28.6	30- 1+1452.013 494398.062 30- 1-14.37335	90- 7+1641.277 2383393.517 90- 7-18.66879

F.S. = PL 53

ERROR= 0.0666
PRECISION= 0.0000301836

Job # 86-28

17th St. Outfall Channel

BK. 86-0231

Pgs. 1 thru 19

Topo pgs 1 thru 4
Water Surface pg. 5

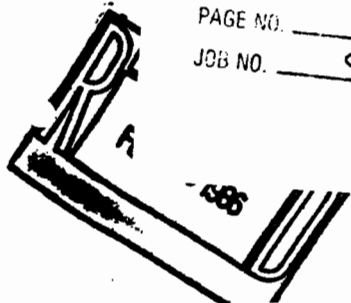
Soundings pgs. 6 thru 10

VOID - pg. 11

Topo pgs. 12 thru 16

X-sections pgs. 17 thru 19

BOOK NO.	86-0231
PAGE NO.	1 TO 19
JOB NO.	86-28



1

860231

JOB No. BY-28

17th STREET OUTFALL CANAL

REF SEE BK 860232 PG 30

For Topo Cont'D 04 EAST

Sub-B/L

STA

A-Ver

DIST

K C

4150 EAST

EAST
5150

0:00:00

(47)

141:45

61.0

Cor Pier

(48)

138:58

66.0

Cor Pier

(49)

132:41

54.0

Cor Pier

(50)

144:11

46.0

Cor Pier

(51)

80:36

38.0

Cor Pier

(52)

58:10

42.0

Cor Pier

(53)

61:18

48.0

Cor Pier

(54)

270:00

9.0

Cor Pier
CHAIN
LINK FILL

(55)

18:33

68.0

Cor Pier

(56)

4:06

96.0

Cor Pier

(57)

12:09

98.0

Cor Pier

(58)

23:54

104.0

Cor Pier

(59)

21:39

118.0

Cor Pier

(60)

20:23

121.0

Pier 7

(61)

19:17

133.0

Pier
Pier
Pier

(62)

28:57

97.0

Pier
CHAIN
LINK FILL

(63)

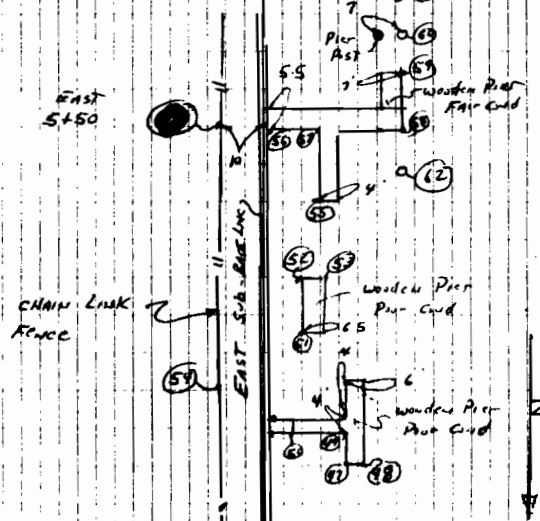
860231

LAUGHLIN E PTY

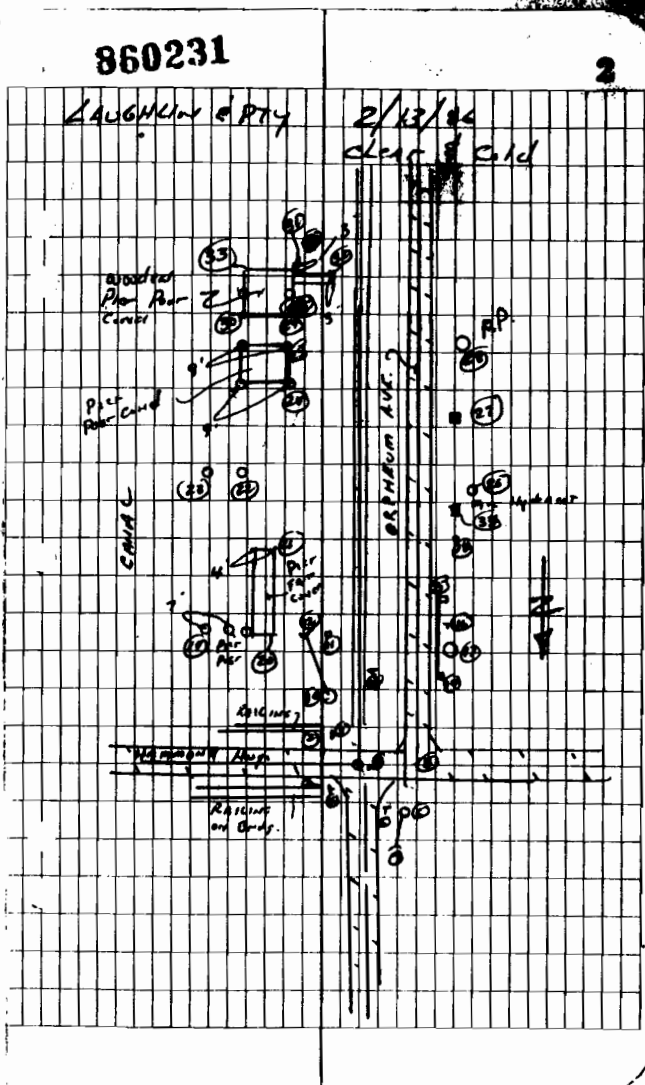
2/13/86

Clear & Cold

1



STA	A-Ver	DIST	
WEST BLK	0:00		
1	4:33	119'	Cor.
2	2:36	281	Bridge
3	1:05	51'	Cor.
4	7:24	319	Bridge Rd.
5		80'	RD SIGN
6	3:30	123'	Rd SIGN
7	349:59	131	Rd SIGN
8	348:07	133	P.P.
9	347:12	143	Anchor
10	355:34	352	
11	337:11	89	INTER SECTION
12	354:11	112	INTER SECTION
13	358:00	313	RR
14	6:57	66	
15	12:57	56	LOW WALL
16	14:17	58	Anchor
17	337:53	54	Rd SIGN
18	320:59	69	Rail Road
19	300:37	52	Rail Road
20	310:55	58	Rd SIGN
21	315:13	64	P.P.
REF	SEE THIS BK PG. 3		
FOR	X'S AND DIST. TO CORN		



STA	A.V.	DIST	
WEST 0+00	0:00:00	1400 WEST	
(18)	290:48	49.0	MANL Box
(19)	41:57	112	Pier
(20)	34:27	94.0	Pier
(21)	42:30	79.0	Pier
(22)	53:54	86.0	Pier
(23)	57:33	93.0	Pier
(24)	53:54	67.0	Pier
(25)	70:00	56.0	Pier
(26)	270:29	55.0	Hydrant
(27)	252:22	54.0	Drop INLET
(28)	236:49	58.0	P.P
(29)	78:15	50.0	Pier
(30)	80:54	62.0	Pier
(31)	96:56	60.0	Pier
(32)	96:38	33.0	Pier
(33)	96:22	64.0	Pier
E	282:06	50.0	Drop INLET

860231	
LAUGHLIN F RM	2/13/86
	CLEAR F Cold
REF SEE THIS BE PG 2 FOR SATEEN	

4

870231

86-28

17th STREET OUTFALL CANAL
TOPO ON WEST SUB. B/L COND

STA

A-Ver

DIST

WEST
0+00

* @
0+0000

1400 WEST

- (35)
- (36)
- (37)
- (38)
- (39)
- (40)
- (41)
- (42)
- (43)
- (44)

117:26
199:49
146:43
127:43
135:17
138:36
141:44
148:42
145:33
202:38
221:58

72'
112'
53'
85'
85'
41'
93'
46'
88'
98'
79.0'

WOOD
COR
Pier
COR
Pier
COR
Pier
Pier
Post
Pier
Post
COR
Bldg
COR
Bldg
COR
Ed
Drop
inlet

360231

LAUGHLIN & PTY

2/13/86
CLEAR & COND

4

Pier Post

Old Bldg
WOODING
Bldg
FAIR
COND

WOODEN
FAIR COND



WEST SUB-BASE LINE

BRNFUM AVE

5

Job # 86-28
17th St. Out Fall
gauge setting

STA.	+	H.I.	-	Elev.
P.M. H-189				8.78
	6.09	14.87		
W.S.			13.40	1.47
	13.44	14.91		
P.M. H-188			6.13	8.78 F.
				8.78 G
				0+00 E

860231

5

M Denton
D Pruitt
S B. Kent
B Leto

19 Feb 86
Cloudy & Windy

RAF BK 860232 PG 1

RAF BK 860232 PG 1

6	860231	JOB # 86-28		
		17 th ST OUT FALL		
		GAGE SKIPPING		
STA.	+	H.I.	-	ELEV.
W.S.				1.47
		1403		15.50
		0150 WEST		90° TO β
		"		"
		"		"
		1400 WEST		70° TO β
		"		"

860231	6												
SAME	SAME												
REMARKS													
REF. THIS BK. PG. 5													
W.S. = 147.1													
EAST	WEST												
<table border="1"> <tr> <td>143</td> <td>8.9</td> <td>1.8</td> <td>58</td> </tr> <tr> <td>180</td> <td>80</td> <td>60</td> <td>W.E.</td> </tr> <tr> <td colspan="3">SND</td> <td></td> </tr> </table>		143	8.9	1.8	58	180	80	60	W.E.	SND			
143	8.9	1.8	58										
180	80	60	W.E.										
SND													
<table border="1"> <tr> <td>42</td> <td>125</td> <td>14.9</td> <td>16.3</td> </tr> <tr> <td>180</td> <td>160</td> <td>140</td> <td>120</td> </tr> <tr> <td colspan="3">SND</td> <td></td> </tr> </table>		42	125	14.9	16.3	180	160	140	120	SND			
42	125	14.9	16.3										
180	160	140	120										
SND													
<table border="1"> <tr> <td></td> <td>187</td> <td></td> </tr> <tr> <td></td> <td>W.E.</td> <td></td> </tr> </table>			187			W.E.							
	187												
	W.E.												
<table border="1"> <tr> <td>124</td> <td>88</td> <td>22</td> <td>55</td> </tr> <tr> <td>100</td> <td>80</td> <td>60</td> <td>W.E.</td> </tr> <tr> <td colspan="3">SND</td> <td></td> </tr> </table>		124	88	22	55	100	80	60	W.E.	SND			
124	88	22	55										
100	80	60	W.E.										
SND													
<table border="1"> <tr> <td>3.5</td> <td>13.5</td> <td>15.1</td> <td>16.9</td> </tr> <tr> <td>180</td> <td>160</td> <td>140</td> <td>120</td> </tr> <tr> <td colspan="3">SND</td> <td></td> </tr> </table>		3.5	13.5	15.1	16.9	180	160	140	120	SND			
3.5	13.5	15.1	16.9										
180	160	140	120										
SND													

7	860231	JOB # 86-28
	17th	ST OUT FALL
STA	+	HI - ELEV
		1.47 W.S.
1+00		CONT'D
1+50	WEST	90° TO B
		"
2+00	WEST	90° TO B
		"
2+50	WEST	90° TO B

860231		7	
SAME		SAME	
W.S. = 1.47		REMARKS	
		184	
		W.S.	
148	13.2	8.2	0.8
120	100	80	60
SUB		WE	
186	3.2	10.9	15.3
W.S.	120	160	140
		SUB	
15.7	12.7	12.5	1.0
120	100	80	60
SUB		WE	
184	1.0	14.8	14.9
W.S.	180	160	140
		SUB	
15.2	10.5	1.9	5.6
100	80	60	WE
SUB			

8	860231	JOB	86-28
	17th	ST.	OUT FALL
STA	+	Hi	- ELEV
W.S.			1.47
2+50			CONT'D
"			"
3+00	WEST	90°	TO β
"			"
3+50	WEST	90°	TO β
"			"

860231	8															
JAMIE	JAMIE															
U.S. F.V. 77 / REMARKS																
QUEST 2																
<table border="1"> <tr> <td>15.4</td> <td>13.0</td> <td>16.0</td> <td>16.5</td> </tr> <tr> <td>120</td> <td>140</td> <td>140</td> <td>120</td> </tr> <tr> <td colspan="4">SND</td> </tr> </table>	15.4	13.0	16.0	16.5	120	140	140	120	SND							
15.4	13.0	16.0	16.5													
120	140	140	120													
SND																
	187															
	LINE															
<table border="1"> <tr> <td>14.9</td> <td>15.1</td> <td>75</td> <td>13</td> <td>57</td> </tr> <tr> <td>120</td> <td>100</td> <td>80</td> <td>60</td> <td>LINE</td> </tr> <tr> <td colspan="5">SND</td> </tr> </table>	14.9	15.1	75	13	57	120	100	80	60	LINE	SND					
14.9	15.1	75	13	57												
120	100	80	60	LINE												
SND																
<table border="1"> <tr> <td>185</td> <td>24</td> <td>14.8</td> <td>15.0</td> </tr> <tr> <td>LINE</td> <td>180</td> <td>160</td> <td>140</td> </tr> <tr> <td colspan="4">SND</td> </tr> </table>	185	24	14.8	15.0	LINE	180	160	140	SND							
185	24	14.8	15.0													
LINE	180	160	140													
SND																
<table border="1"> <tr> <td>14.1</td> <td>7.7</td> <td>0.5</td> <td>58</td> </tr> <tr> <td>100</td> <td>80</td> <td>60</td> <td>LINE</td> </tr> <tr> <td colspan="4">SND</td> </tr> </table>	14.1	7.7	0.5	58	100	80	60	LINE	SND							
14.1	7.7	0.5	58													
100	80	60	LINE													
SND																
<table border="1"> <tr> <td>187</td> <td>1.3</td> <td>15.1</td> <td>16.6</td> </tr> <tr> <td>LINE</td> <td>140</td> <td>140</td> <td>120</td> </tr> <tr> <td colspan="4">SND</td> </tr> </table>	187	1.3	15.1	16.6	LINE	140	140	120	SND							
187	1.3	15.1	16.6													
LINE	140	140	120													
SND																

9	850 31	JOB #86-28	
	1714 31	OUT FALL	
STA	+	HI	- ELEV
U.S.			1.47
4100	WEST	90°	TO <u>β</u>
"	"	"	"
"	"	"	"
4150	WEST	90°	TO <u>β</u>
"	"	"	"
"	"	"	"
5100	WEST	90°	TO <u>β</u>

STAKE	STAKE
L.S. = 147	
REMARKS	
146 77 2.8	56
100 80 60	WE
SWD	
1.3 13.2 15.8 15.3	
180 160 140 120	
SWD	
184	
WE	
13.2 8.9 11	52
100 80 60	WE
SWD	
2.6 10.1 15.6 15.4	
180 160 140 120	
SWD	
183	
WE	
14.2 14.6 8.9 2.2	50
120 100 80 60	WE
SWD	

10	860231	JOB # 86-28		
	17+4 ST	OUT	FALL	
STA	+	HI	-	ELEV
W.S.				1.47
5+00				CONT'D
5+50	WEST	90°	T ₀	Ø
"	"	"	"	"
"	"	"	"	"
0+00	WEST	90°	T ₀	Ø
"	"	"	"	"

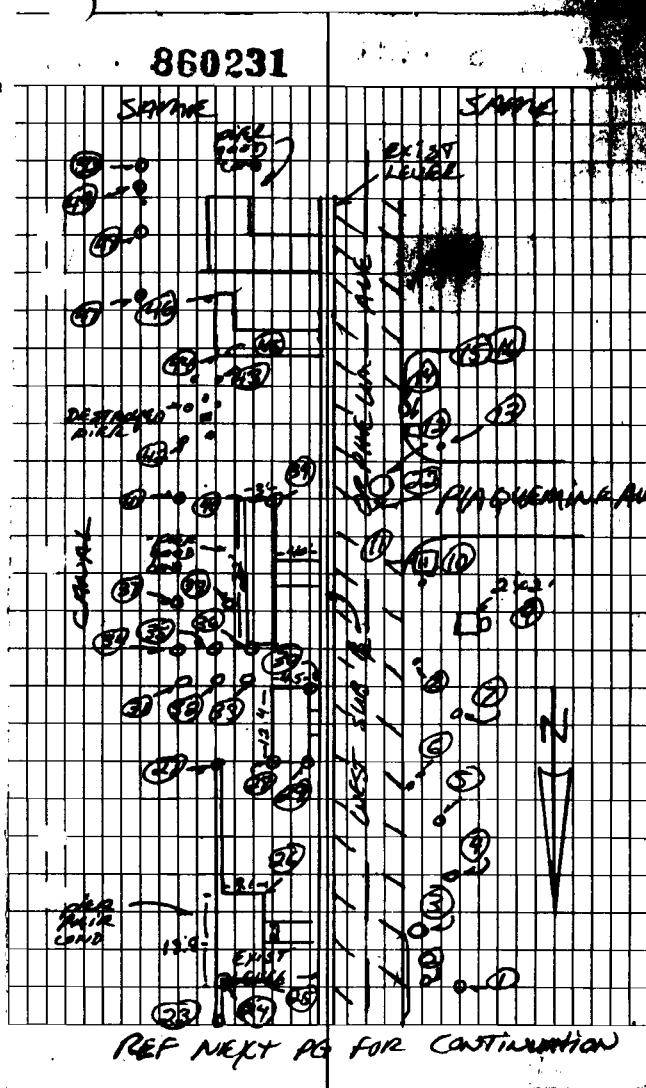
860231	10
SHAKE	SHAKE
REMARKS	
124	125
126	140
15.0	140
SAND	
141	10.2
100	30
118	60
SAND	
151	51
WE	
124	12.9
130	140
15.4	140
SAND	
175	
WE	
14.9	11.1
120	100
8.3	60
0.9	60
SAND	
411	
WE	
173	7.9
174	160
140	140
SAND	
E. BULKHEAD	
REF NEXT PG. FOR W/S	

THIS DATA
TAKEN
UNDER
BRIDGE

11	860231	JOB # 86-28	
17TH ST FALL OUT			
STA	+	Hi	- EIRU
14-188			147
6.07		14.85	8.78
		13.49	1.36
13.30		14.46	
		5.90	2.76 F
			8.79 G
			2.22 E

860231	11
SAME	SAME
REMARKS	
REF BK 860231 P. 1	
REF BK 860231 P. 1	

12	860231	Job # 86-28	
17th ST		OUTFALL	CANAL
TOPD		ALONG	WEST SUB
STA	AUER	DIST.	
T @ 3100 WEST			
WEST	0°00'00"		
①	314°47'	78'	SEWER CLEANOUT
②	317°19'	77'	WATER METER
③	316°49'	68'	P.P.
④	309°22'	69'	DROP INLET
⑤	299°41'	64'	WATER METER
⑥	304°27'	58'	PARKING SIGN
⑦	263°19'	56'	WATER METER
⑧	256°18'	52'	PARKING SIGN
⑨	247°01'	65'	AUDDANT WASTE LINE
⑩	244°00'	59'	STREET SIGN
⑪	235°11'	66'	STORM DRAIN
⑫	225°19'	66'	SEWER
⑬	222°13'	85'	STORM DRAIN
⑭	220°03'	86'	STORM DRAIN
⑮	215°36'	84'	P.P.
⑯	211°50'	94'	GUIDE WIRE
⑰	203°30'	122'	PARKING SIGN



13

860231

JOB # 86-78

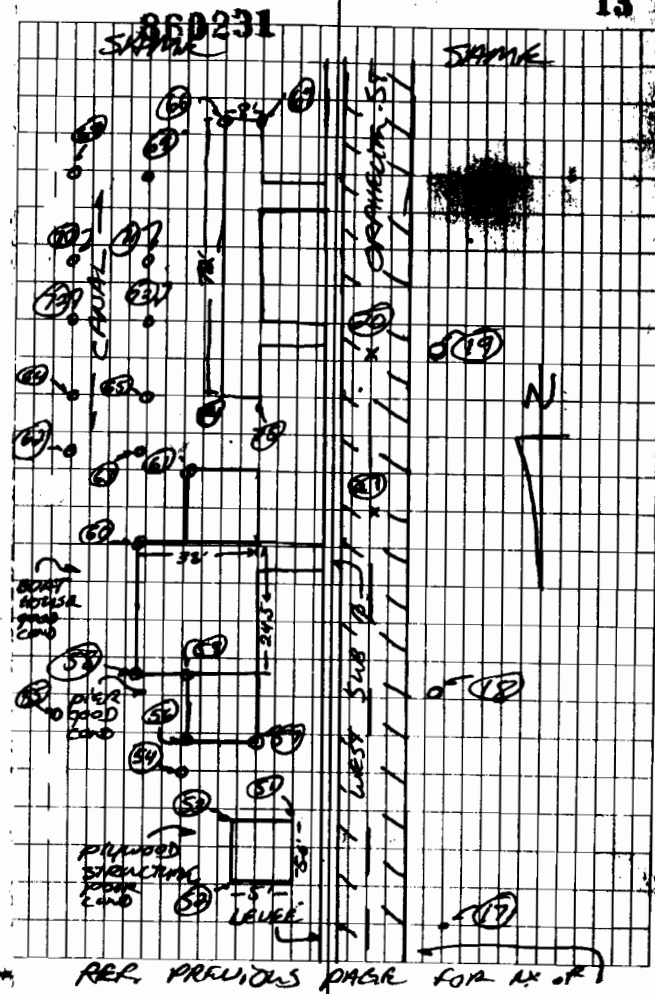
TOPO ALONG WEST SUB B CONT'D

STA	A. V. R.	DIST	
	T E 3100 WEST		
18	193°17	210'	P.P.
19	189°04	305'	P.P.
20	186°56	305'	2 CORNER
21	198°51	180'	2 "
22	217°06	66	" "

BS CHECK

0900' 00"

13



14

860231

JOB # 86-26

TAPED ALONG WEST SUB @ CONT'S

STA	AVGR	DIST	
T @ 3100 WEST			
33	33° 00	128'	END BUCKHEAD
34	37° 32	116'	CORN. PILE
35	53° 27	112'	"
36	41° 45	98'	"
37	62° 51	79'	END BUCKHEAD
38	62° 42	55'	CORN. PILE
39	60° 41	52'	"
30	73° 24	48'	"
31	81° 20	75'	PILE POLE
32	81° 19	65'	"
33	81° 11	59'	"
34	88° 35	78'	"
35	90° 38	67'	"
36	92° 04	61'	"
37	96° 00	82'	"
38	101° 28	61'	"
39	113° 13	62'	CORN. PILE
40	112° 09	65'	"
41	108° 47	78'	PILE POLE
42	116° 43	83'	"

860231

14

SAME

SAME

1005: SEE THIS BK PG 12
FOR SPEECH

15

860231

JOB # 86-27

TOPR RANG WEST SUR ~~BY~~ CONT'D

STA	A-VER	DIST	
	TC 3405	WEST	
(43)	126°36	98'	PIER POLE CORNER PIER
(44)	132°16	101'	"
(45)	138°39	90'	"
(46)	142°14	103'	"
(47)	132°41	116'	PIER POLE
(48)	137°42	128'	"
(49)	140°20	134'	"
(50)	141°43	139'	"
(51)	166°47	130	CORNER PIER
(52)	159°30	129	"
(53)	160°02	133	PIER P-14
(54)	150°30	150	"
(55)	146°35	166	CORNER PIER
(56)	154°15	149	"
(57)	156°17	146	"
(58)	148°24	180	CORN. BULK HEAD
(59)	156°32	168	"
(60)	151°23	200	CORNER PIER
(61)	160°21	200	"

860231

Same

15

Same

REF. SEE THIS BK
PG 12 FOR
SKETCH

REF. SEE THIS BK
PG 13 FOR
SKETCH

16

860231

JOB# 86-28

TOPO ALONG SW3 $\frac{1}{4}$ WEST

SJA	A. UER	DIST	
62	154°32	210	PIER POLE
63	157°32	207	"
64	155°57	223	"
65	158°05	221	"
66	165°09	290	CORNER PIER
67	166°12	288	"
68	159°00	280	PIER POLE
69	161°26	276	"
70	158°37	260	"
71	161°22	262	"
72	158°30	240	"
73	160°16	244	"
74	161°37	220	CORNER PIER
75	162°52	218	"
BS CHECK	0°00'00"		

860231

16

SAME

SAME

REF. SEE TABS AK PG
13 FOR SKETCH

17	860231	JOB # 86-28	
17th ST FALL OUT CANAL			
X-SECT ON STREET PILING			
STA	+	HI	- ELEV
PBM #-188			8.78
	6.76	15.54	
0450 TAKEN @ 90° WEST β			
1400 TAKEN @ 90° WEST β			
1450 TAKEN @ RT + 90° TO β			
2100 TAKEN @ 90° TO β			
2450 TAKEN @ 90° TO β			

M. DRATON		860231	2-19-86	17
D. PRATT				
S. GIBBERT				
B. LETO				
REMARKS				
REF. 860232 PG 1				
HI = 15.54				
WEST				
5.0	1.54	5.0		
152	151	150		
TOE	TSP	TOE		
5.2	1.44	5.3		
168	166	164		
TOE	TSP	TOE		
5.4	1.50	5.2		
167	166	164		
TOE	TSP	TOE		
5.4	1.52	5.3		
177	176	175		
TOE	TSP	TOE		
5.6	1.59	5.6		
5.4	1.52	5.3		
179	169	167		
TOE	TSP	TOE		

18

860231

JOB # 86-28

17th ST CANAL KILL OUT

STA + HI - ELEV

15.54 BROUGHT FWD

3+00 TAKEN @ 90° TO B

3+50 TAKEN @ 90° TO B

4+00 TAKEN @ ~~90°~~ 90° TO B

4+50 TAKEN @ 90° TO B

5+00 TAKEN @ 90° TO B

860231

18

SAME

SAME

REMARKS

HI = 15.54

5.8	1.52	5.7
1.86	1.85	1.88
7.66	3.37	7.58

5.8	1.51	5.8
2.04	2.03	2.02
7.84	3.54	7.84

6.2	1.58	6.1
2.04	2.00	2.06
8.24	3.58	8.16

5.4	1.55	5.0
2.24	2.22	2.21
7.64	3.77	7.21

6.0	1.53	5.6
2.71	2.70	2.69
8.71	4.23	8.29

19

860231

JOB # 86-28

17" ST CANAL FALL OUT

X-SECT. ON 5 SHARP PILING

STA + HI - ELEV

15.54 BROUGHT FWD

5+50 TAKEUP 90° TO B

4.84 10.70

4.84

4-90 15.60

8.79 F.

6.81 8.79 G.F

8.78 EG

+ 0.01 E

860231

19

SAME

SAME

REMARKS

[Hi = 15.54]

6.2	1.55	6.1
3.0	3.08	3.07
7.0E	7.58	7.0E

REF. 860232 PG 1

Job # 86-28

17th St. Outfall Channel

BK. 86-0232

pgs. 1 thru 30

Xsects. pgs 1 thru 19

Topo pg. 20

Traverse pgs. 21 thru 26

Traverse Sketch pg. 27

Tran

BOOK NO. 86-0232
PAGE NO. 1 TO 30
JOB NO. 86-28

2/21/86



R.H.

1

860232

JOB No. 86-28 17th STREET OUTFALL

CANAL

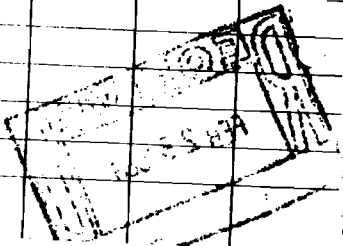
X-SECTIONS OVER BANKS ON

WEST SUB-BASE LINE

STA FROM H-188	H	Hi	-	ELV
	6.70	15.48		8.78

WEST
of JUD SECTION DOWN to Bridge on Hammond Hwy

15.48



860232

LAUGHLIN PTY

2/12/86

clear field

REMARKS

REF. AND. 300902 PG. 1

LT

RT

[HI 15.48]

3.98	5.18	5.13	8.80	5.35	7.21	7.53
200	100	100	50	0	46	54
EL	EL	EL	EL	EL	INTERSECTION OF R.L.	INTERSECTION OF R.L.

12.64	14.00	7.95	6.01
400	300	300	250
EL	EL	EL	EL

15.71

95
INTERSECTION OF R.L.

2	860232			
	JOB No. 86-28			
	CONT'D			
STA	+	H.	-	E/W
		15.48		
WEST 0+50	SECTION	90° TO	WEST SUB-B/L	B/L
"	"	"	"	"
WEST 1+00	SECTION	90° TO	WEST Sub-B/L	
		15.48		

860232		2								
LAUGHLIN LANGSTON		MATHEW BALLARD								
11/12/86										
REMARKS		11/15/86								
EAST		WEST								
12.3	8.3	5.5	4.9	4.9	5.0	5.3	7.7	11.6		
34.1	16.0	5.2	1.4	0	3	7	16	24		
TRIP	SLP		TRIP	MS	E LEVEL	CR	SLP	TRIP MS		
			13.2		10.7		14.9			
			50.2		32		42.1			
			TRIP		E		WEST FOR			
			B/L		RL		MANUAL CR			
			WEST							
			8.9	5.5	5.2	5.0	5.1	5.3	8.9	15.6
			18.9	3.5	1.1	0	2.3	5.7	15.7	26.7
			SLP	CR	LEVEL	TRIP	LEVEL	CR	SLP	TRIP MS

3

860232

K-28

17th STREET OUTFALL CANAL

STA	+	Hi	-	Elev
		15.48		

WEST
140

CONT'D

WEST
150

SECTION 90: TO SUB-B/L

15.48

860232

3

LAUGHLINE PTY 2/12/86

REMARKS

LT RT

15.48
WEST
E

13.7	12.4	14.1	14.5
44.8 TOP BK	26.2 TOP LVL	35.4 E RD.	43.8 WEST TOP RD.

12.0	8.7	5.2	5.0	5.5	5.3	9.0	14.5
23.7 TOP LVL	11.7 SOP	18.0 CROWN	0 WG	25 E LAYER	5.3 CROWN	15.5 SOP	28.2 TOP WG

13.6	15.0	15.9
45.1 TOP BK	31.5 E RD	46.3 WEST TOP RD.

5

860232

8-28

17th STREET OUTFALL CANAL

STA	+	H:	-	ELAV
		1548		

3rd WEST T.P.

4.42 14.52

5.38 10.10

WEST 3rd

SECTION

WEST 90° T₂ Sub-B/L

14.52

860232

5

LAGUNA CITY

2/12/86

CLARK & CO. INC.

REMARKS

LT

WEST

RT

H. 14.52

0.5	5.0	4.7	4.4	4.5	4.8	8.7	13.8
13	3.7	2.0	0	2.0	5.9	15.4	27
4.4	ENCL	7.0	7.0	2.0	ENCL	5.4	ENCL

12.5	11.9	14.6	15.1
44.8	25.4	38.2	47.5
T.P.	T.P.	R	WEST
BK	ENCL	R1	ENCL

6	860232	86.28		
17 th	STREET	OUTFALL	CANAL	
STA	+	Hi	-	ELV.
		14.52		
WEST 3450	SECTION 90° To Sub-B/L		WEST	
WEST 4400	SECTION 90° To Sub-B/L		WEST	
		14.52		

86	232								
LAVALLIN E PTY		2/12/86							
		CLEAR & Cold							
REMARKS									
LT		WEST		RT					
		E		E					
		14.1452							
120	84	5.9	48	46	46	47	93	142	
23	13.9	5.1	2	0	21	5.3	166	205	
TOP	SIP	CROWN	TOP	TOP	E	CROWN	SIP	TOP	TOP
4400					ALICE			4400	
			125	147	153				
			56.7	378	98				
			NO	E	ADJUST				
			ALICE	TA	BY	REMARKS			
114	86	5.3	51	49	5.0	5.1	86	146	
251	12.9	3.9	49	0	2.3	5.6	146	256	
TOP	SIP	CROWN	TOP	TOP	E	CROWN	SIP	TOP	TOP
4400					ALICE			4400	

7

860232

86-20

17th STREET OUT FALL CANAL

STA	+	H:	-	Elev
		14.52		

WEST
4400

CNT'D

WEST
4450

SECTION 90: To Sub-B/L

CNT'D

14.52

(60232

LAUNCHING RTN

2/12/86

CLARE E Cold

REMARKS

LT

RT

RT

14.52

12.4	14.8	15.1
47.4	37.1	45.8
T/A	B/C	4.2
B/C	B/C	B/C

122	81	5.0	5.0	4.9	4.9	5.2	9.3	14.4
26.8	12.4	3.4	2.1	0	1.9	5.1	15.7	27.4
T/A	S/L	Grav	T/P	T/P	Grav	Grav	S/L	T/A

11.7	14.4	15.1	15.4
49.8	34.2	38.4	47.7
T/A	B/C	B/C	4.2
B/C	B/C	B/C	B/C

8	860232	88-23		
	17 ^{1/2} STREET	OUTFALL	CANAL	
STA	+	H.	-	Elev
		14.52		
WEST ST00	SECTION 90° TO		WEST Sub-B/C	
		CONT'D		
WEST ST50	SECTION 90° TO		WEST Sub B/c	
		14.52		

(0232			8
	LAUGH LINA & DRY	2/12/88		
		Clear Field		
	REMARKS			
	LT	WEST RT	RT	
		H. 14.52		
12.4	77	52	5.1	50
29.4	116	49	3.5	0
Top Level	SCP	Crump	Top	Top
				2
				Line
		129	74.9	152
		470	294	368
		Top	Top	Top
		BLK	RI	RI
				WEST Elev RT
126	86	5.5	5.3	5.2
29.9	144	6.1	3.4	0
Top Level	SCP	Crump	Top	Top
				2
				Line
				5.4
				9.6
				16.0
				4.2
				14.4
				5.1
				Top Level

10	860232	R:20		
170 STREET OUT FALL CANAL				
OVR BANKS ON EAST Sub-B/L				
STA 78.0 H-188	+	HI	-	Elev
267		11.45		8.78 ✓
EAST SECTION 90' TO EAST Sub-B/L				
O+SP				
CONT. @				
11.45				

860232	10							
LAKELINE PTY 2/12/86								
CLEAR & OLD								
REMARKS								
REF THIS BK PG 1								
LT	RT							
HI: 11.45								
11.5	10.1	8.1	4.6	4.1	4.2	4.3	1.26	4.6
50	29.9	17.4	6.4	0	1	5.9	8.2	8.2
N.G.	SLP	SLP	STAIN	TR	2	BYFC	TR	BYFC
					K&CP	CONC	WALL	CHECKM
13.2	13.9	14.2	14.3	13.5	5.7			
24.6	24.8	20.0	15.0	10.0	15.6			
R	BYFC	NG	NG	NG				

11

860232

8-28

Mth STREET OUTFALL CANAL
CONT'D

STA + HI - ELEV
11.25

EAST
1+00 SECTION 90' T₁ Sub-~~EL~~

CONT'D

11.45

860232

11

LAUGHLIN FRTY

2/12/86
CLEAR & CUT

REMARKS

LT RT
11.1105

13.6	12.1	8.0	4.7	4.1	4.1	4.0	1.16
SD	26.8	13.0	4.3	0	1	5.9	0.1
NG	LEVEL	SLP	CROWN	TOP	EDGE	EDGE	TOP

14.4	15.3	15.1	15.3	5.0	5.2	5.9
223	175	150	100	81	160	227
NG	NG	NG	NG	NG	SLP	TOP

14.5	146
208.5	226
2	2

12

860232

86.28

17^{1/2} STREET OUT FALL CANAL

STA

+

H.I.

-

Elev

11.45

EAST
1150SECTION 90 = T₁EAST
Sub B/C

CONT'D

CONT'D

11.45

860232

12

LARGEN PTY

2/12/86

clear & cold

REMARKS

LT

RT

H.I. 11.45

142	129	9.1	4.4	3.9	4.0	3.9	1106	W.C.
50	30.7	16.3	35	0	18.	5.3	71	7.1
NO	NO	SLT	CRUSH	TOP	E	EDGE	TOP	W.C.
	LINE				LARGE	LINE	LINE	W.C.

15.5	15.6	15.8	15.5	5.0	9.3
22.5	24	15.8	10.0	15.4	20.5
LINE	NG	NG	NG	TOP	SCP

15.4	15.9	16.0	15.6
25.7	22.4	22.2	22.6
LINE	TOP	E	TOP
	LINE	LINE	LINE

15.2
21.2
& Rd

13

860232

86-28

17th STREET OUT FALL Canal

STA

+

H.
11.45

- Elev

EAST
2100

SECTION 90: To EAST
Sub B/C

CONT'D

CONT'D

11.45

(960232

960232

13

LAUGHLIN ST

2/12/06
clear & cold

REMARKS

LT

RT

H: 11.45

14.5	13.5	8.8	4.5	4.1	4.2	4.0	1.18
50	32.3	14.9	4.2	0	1.5	5.5	7.3
NG	TRC	SLP	CHW	TRC	TRC	TRC	TRC

15.9	15.5	15.9	15.9	15.4	4.9	5.4	8.9
227.7	229.7	226	150	100	7.3	15.1	24.3
E	TRC	TRC	NG	NG	NG	TRC	SLP

15.0	15.2	15.2
247	236.4	230.4
E	TRC	TRC

14

860232

8-20

17th STREET OUT FALL Canal

STA	+	H:	-	Elev
		11.45		
TP				
2150.00			3.76	7.69
	4.93	12.62		

EAST
ZLSD

SECTION 90' TO

EAST
Sub Bl

CONT'D

CONT'D

12.62

860232

14

LAUGHLIN & DRY

2/12/86

Clear & Cold

REMARKS

AT

RT

14.1262

159	148	148	55	50	52	52	2.38	44
50	32.3	175	43	0	2.0	4.9	6.9	6.9
NG	TP	SLP	CP	TP	E	TOP	TOP	NG
					LOW	WALL	WALL	

170	170	172	170	6.7	9.3
225	220	150	100	11.7	20.9
Dir	Dir	NG	NG	CP	SLP

162	165	166	176
247.8	256.2	233.3	229.3
2	Dir	Dir	2
	Bl	Dir	Dir

15

860232

88-28

17th STREET OUT FALL CANAL

STA + H: - Elev
12.62

EAST
STUD

SECTION 90: TO "EAST"
Sub-B/L

COUNT D

COUNT D

12.62

860232

15

LAUGHLIN & PTY 2/12/86
CLEAR & COL'D

REMARKS

KT

H: 12.62

16.0	14.7	9.9	5.7	5.1	5.1	2.85	6.3	6.7
50	33.7	15.0	5.0	0	2.0	4.0	4.6	10.5
NG	7.0	SLP	CLIM	TP	4.0	7	7	10.5

17.0	16.4	12.4	16.3	9.2
22.7	2.0	1.0	1.0	18.6
NG	NG	NG	NG	SLP

16.6	16.8	17.0	17.9
22.7	22.8	22.5	22.5
2.1	2.1	2.1	2.1

16

860232

8628

17th STREET OUTFALL CANAL

STA	+	H:	-	Elev
		12.62		

EAST 3+50	SECTION 90° TO	"EAST" Sub B/L
--------------	----------------	-------------------

EAST 4+00	SECTION 90° TO	"EAST" Sub B/L
--------------	----------------	-------------------

12.62

860232

16

LAUGHAN E PTY 2/12/86
CLEAR & COID

REMARKS

LT

12.62

RT

15.7	116	12	52	50	5.1	2.40	7.0
50	35.2	135	22	0	5.0	7.0	7.0
116	716	SLP	CHW	2	WALL	WALL	116

15%	7.4	100
92	10	182
WALL	SLP	SLP

78	62	53	4.9	4.9	2.32	7.2	25
93	7.4	4.7	0	4.5	6.5	6.5	9.8
Fence	SLP	CHW	2	WALL	TOP	WALL	SLP

17

860232 86-28

17th STREET OUTFALL CANAL

STA	+	H:	-	Elev
		12.62		

~~East~~
4100

CONT'D

~~East~~
4150

SECTION 90° TO SUB - ~~BL~~

CONT'D

12.62

860232

17

LAUGHAN & DTY

2/12/86

CLEAR & C&D

REMARKS

LT

RT

H: 12.62

10.2 10.4

~~29.4~~ 25.2

SLP SLP

6.8	6.7	5.4	4.8	5.0	2.89	6.6	6.9
10.8	9.0	4.9	0	4.5	6.5	6.5	8.4
REL.	SLP	GRON		REL	REL	REL	REL

9.8 10.9

17.6 25.2

SLP SLP

18

860232

8-28

17th STREET OUTFALL CANAL

STA	+	H:	-	Elev
		12.62		

EAST
ST00SECTION 90: TO SUB - B/L
"EAST"

CONT'D

12.62

860232

18

LAUGHLIN E DTY

2/12/86

CLEAR F GOLD

REMARKS

LT

✓ RT

IN: 12.62

7.0	6.8	5.4	5.0	5.0	2.30	7.8	9.7
9.9	8.5	6	0	4.4	6.4	6.4	15
EDGE	SLP	CRIM	E	EDGE	TOP	WALL	NG
				WALL	WALL	NG	SLP

10.8

24.1

SLP

19

860232

88.28
17th STREET OUTFALL CANAL
OVER BANKS ON EAST SUB B/C END

STA + H: - Elev
12.62

EAST
STSD SECTION 90' TO EAST SUB-B/C

CONT'D

TB 01
~~11-788~~

3.83
8.79 Fcl
8.78 Gnew
0.01 Error

860232

19

LAUGHAN STY 2/12/86
CLEAR & COLD

REMARKS
ET
H: 12.62

66	62	55	50	50	51	2.28	75	92
100	85	7	1	0	43	2.8	6.3	145
Face	Slp	Crust	E	Level	Wall	Top	Wall	Slp

110

22.9

SLP

REF. T.M.'s BK PG 1

17th STREET OUTFALL CANAL
TOPOGRAPHICAL SURVEY

STA. A-VER DIST
ON 2400 EAST SUB B/L

EAST
2400

0°00'00"

179°16'

181

96°55'

11.4

87°33'

43.6

357°01'

173

336°53'

184

335°11'

174

329°20'

181

325°11'

162

314°15'

189

177°10'

16

171°24'

157

157

17

167°34'

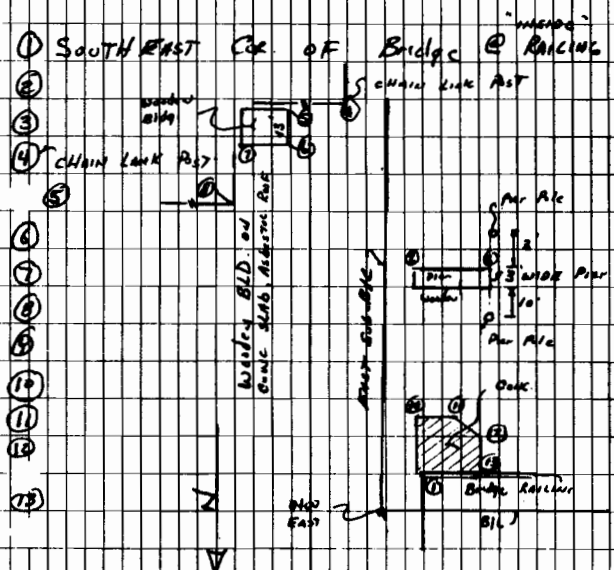
172

168°20'

185

REF SEE THIS BK PG 28
FOR TOPO TO CONT'D

REMARKS



- ① SOUTH EAST COR. OF BRIDGE @ RAILING
- ②
- ③
- ④ CHAIN LINK PLOT
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩
- ⑪
- ⑫
- ⑬
- ⑭
- ⑮
- ⑯
- ⑰

21

860232 Job No 86-23

17th STREET DUFFALL CANAL

TRAVERSE

STA D

R

X @ PL 59 (544+71.4)

PL 54 549+42.86	0° 00' 12"	180° 00' 12"	25"
--------------------	------------	--------------	-----

WEST O+00	38° 55' 50"	218° 56' 02"	38° 55' 37"
		44° 04' 35"	

WEST O+00	269° 59' 43"	90° 00' 12"	321° 04' 29"
	90° 00' 12"		38° 55' 42"

PL 54 549+42.86	231° 04' 12"	51° 04' 30"	
--------------------	--------------	-------------	--

REF SEE THIS BK.
PG 27 FOR SKETCH
OF TRAVERSE

860232

21

LAUGHLIN
LANGSTON
2/13/86

FINAL

MATHEWS
BALLARD
CLEAR & COLD

REMARKS

PL 54 IS A BRASS CAP

PL 53 IS A BRASS CAP

WEST
O+00 IS A C.C. NAIL

IN E HANDING HWY

WEST END
MARKER BRIDGE CENTERLINE

38° 55' 38"

321° 04' 29"
~~38° 55' 37"~~
360° 00' 02"

VERT X TO WEST O+00	WEST O+00
---------------------------	--------------

D = 90° 19' 05"

R = 269° 40' 50"

359° 59' 55"

EDM. DIST IN FEET TO

WEST
O+00 480.67

480.68

FINAL X 38° 55' 38"

EDM. DIST IN FEET TO

PL 54 549+42.86

471.34

471.34

VERT X TO PL 54 (549+42.86)

D = 90° 00' 10"

R = 269° 59' 55"

359° 59' 50"

22	860232	JOB 4 86-28	
17 ^{1/2}	STREET	OUT RAIL	CANAL
	TRaverse	CONT'D	
STA	D	R	
	⊕	WEST	
PL-53 54477.4	0°00'18"	180°00'20"	
	261°12'22"	261°12'33"	
WEST 5+50	261°12'40"	81°12'53"	
WEST 5+50	269°59'58"	90°00'18"	
	98°47'47"	98°47'36"	
PL-53 54477.4	0°47'40"	188°47'54"	
	261°12'12"	261°12'36"	
WEST 5+50	261°12'24"	81°12'48"	
WEST 5+50	269°59'57"	90°00'12"	
	98°48'05"	98°47'26"	
PL-53 54477.4	08°47'42"	188°47'38"	

860232	22
LANDLORD'S PTY	2/13/86
	Clear & Cold
FINAL	REMARKS
	WEST 5+50
261°12'28"	180°00'20"
	WEST 5+50
	VERT. & TO WEST 5+50
	D = 90°49'44"
	R = 269°50'02"
	559°59'46"
98°47'41"	DIST TO WEST 5+50
360°00'10"	549.97
	549.97
261°12'24"	
98°47'46"	
360°00'10"	

23	860232	LB No 86-28	
170	STREET OUT FALL CANAL TRAVERSE CONT'D		
STA	D	R	
	K C	S+50 WEST	
WEST	0+00	0°00'12"	179°59'59"
		89°21'49"	89°22'15"
EAST	S+50	89°22'01"	289°22'14"
EAST	S+50	270°00'01"	90°00'12"
		270°37'57"	270°37'58"
WEST	0+00	180°37'58"	0°38'10"

860232	23
LAUGHLINE PTY 2/13/85	
CLEAR F C/D	
FINAL §	REMARKS
	EAST S+50 150 HUB & BACK
89°22'02"	Vert. § To EAST S+50
	D 90°45'50"
	R 249°14'10"
270°37'58"	
359°58'00"	Dist To EAST S+50
	IN FEET
	247.97
	247.98

24

860232

JOB No. 86-28
17th STREET OUTFALL CANAL
TRAVERSE CONT'D

STA	D	R	
	PC	EAST ST50	
WEST ST50	0°00'18"	180°00'16"	
	91°13'02"	271°13'32"	91°13'16"
EAST 0+00	91°13'20"	271°13'32"	
	268°46'35"	358°46'58"	268°46'46"
WEST ST50	178°46'47"	358°46'58"	
	0°00'18"	180°00'18"	
	91°13'10"	271°13'40"	91°13'22"
EAST 0+00	91°13'28"	271°13'40"	
	268°46'36"	358°46'58"	268°46'46"
EAST 0+00	270°00'15"	90°00'12"	
WEST ST50	178°46'51"	358°46'58"	

24

860232

LAUGHLIN PTY 2/13/06
CLEAR FOLD

FAVAL #	REMARKS
91°13'09"	EAST 0+00 IS A CONC. MARK IN E HAMMOCK WAY S EAST END OF BRIDGE
268°46'41"	VERT X TO EAST 0+00
359°59'59"	0-89 27' 52" R-270 22' 55" 340° 00' 25"
	DIET TO EAST 0+00 IN FOOT
	549.99
	549.99
91°13'16"	
268°46'41"	
359°59'59"	

25

860232

Job No. 86-28

17th STREET OUTFALL CANAL
TRAVERSE CANYON

STA

D

R

TC

EAST
0+00

EAST
ST 50

0°00'18"

100°00'21"

PL-54

549+42.86

137°01'58"

137°01'40"

317°02'20"

137°01'59"

PL-54

549+42.86

269°59'58"

90°00'18"

222°58'11"

222°58'04"

EAST
ST 50

132°58'09"

312°58'22"

25

860232

2 LAWRENCE PKY

2/13/86

GRAVE GID

FINAL

REMARKS

137°01'58"

Vert. A TO PG. 54
549+42.86

D-89:45-23

27°14'40"

360°00'09"

DIST TO PG. 54
549+42.86

222°58'04"

IN FACT

359°59'58"

416.78

416.78

26

860232

86-28

17th STREET OUT FALL CANAL

TRAVEL CONT'D

TIC IN

STA

D

R

PC PL-54 549+42.86

EAST
of 00

0°00'18"

180°00'38"

102°14'54"

102°14'44"

PL-53

544+71.4

102°15'12"

282°15'22"

PL-53

544+71.4

270°00'14"

90°00'18"

257°45'01"

257°45'16"

EAST
of 00

167°45'16"

347°45'34"

26

860232

LAUGHLIN PTY

2/13/86

CLARE GID

FINAL

REMARKS

102°14'49"

257°45'09"

358°57'68"

27

860232

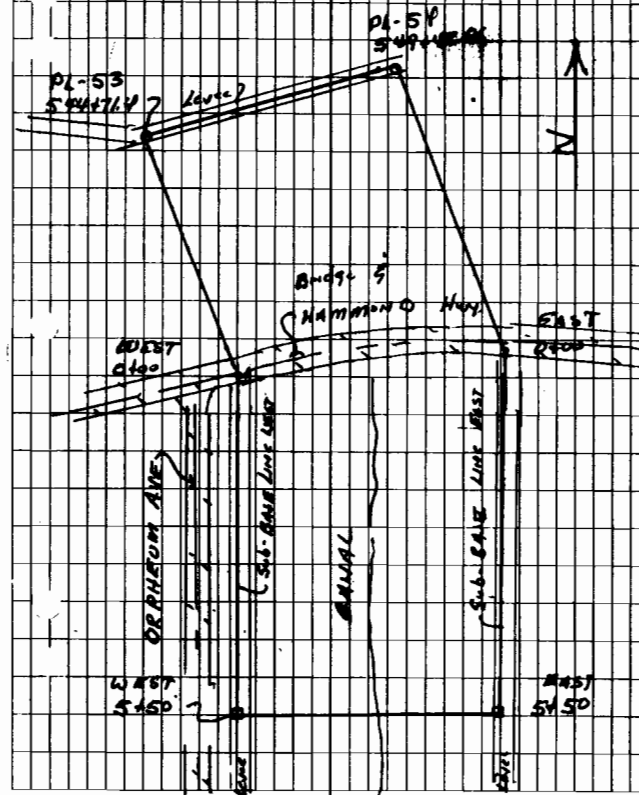
Job No. 86-28

17th STREET OUTFALL CANAL
SKETCH OF TRAVERSE

860232

27

LAUGHLIN & PTY 2/13/86
CLEAR & C/D



28

860232

JOB - No 86-28

17th STREET OUT FALL CANAL

TOPOGRAPHICAL Survey

Along EAST SUB-BASELINE

STA	A. Ver	DIST
EAST 5450	ON 0450 0°00'00"	
	179°41'	69.0'
	179°50'	27.0'
	210°58'	23.5'
	215°28'	27.0
	242°16'	59.0
	273°00'	188.
	274°14'	221
	182°00'	72.0
	191°57'	80.5
	184°52'	69.0
	187°05'	30.0
	265°38'	247
	271°25'	221.0
	273°04'	193

Anchor

860232

LAUGHLINE PTY

2/13/86

28

CLEAR F 6' 10"

REMARKS

(14) Cor Bridge @ RAILWY

(15) 3" METAL POST

(16) 3" METAL POST

(17) ROAD SIGN

(18) ROAD SIGN

(19) ANCHOR

(20) P.P.

(21) 3" METAL POST

(22) 3" METAL POST

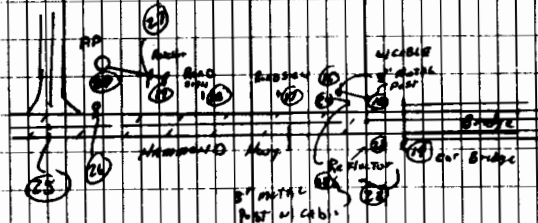
(23) REFLECTOR

(24) REFLECTOR

(25) Intersection DeWitt Dr & Hammond Hwy

(26) 3" POST

(27)



29

860232

88-28

174 STREET OUTFALL CANAL
10 PD CONT'D ON
EAST SUB-BASE LINE

STA
EAST
5150

AVR

DIST

0'00"00

⊥ @ 0750 EAST

28	286'49	238
29	288'51	261
30	289'31	231
31	298'12	246
32	298'55	286
33	304'46	272
34	303'04	267
35	305'17	266
36	313'58	300
37	314'53	354
38	282'25	252

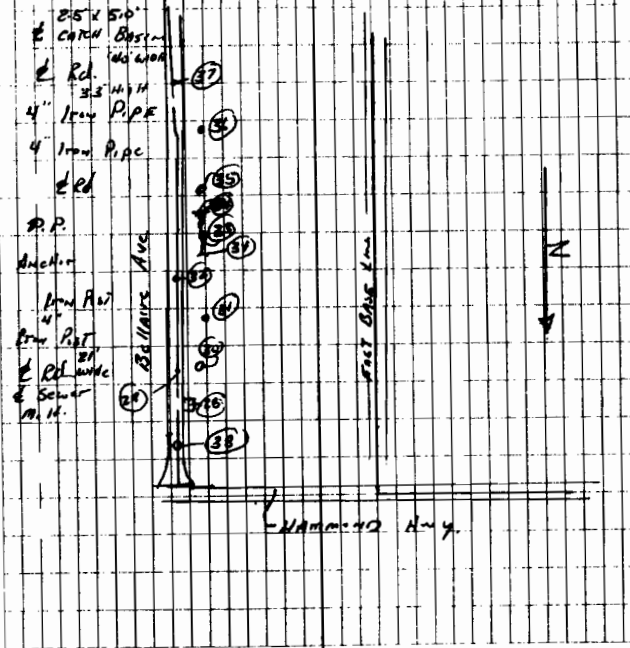
860232

29

LAUGHLINE PT

2/13/86

CLEAR E.C.O.D



17th STREET OUT FALL CANAL
TOPO CONT'D ON EAST SUB BANK LINE

STA
EAST
5750

A-Ver
0:00 00"

DIST

N C 0450 EAST

39

5:22'

202

Pier

40

11:51'

201

Pier

41

22:00'

116'

Pier

42

24:14'

106'

Pier

43

13:12'

99'

Pier

44

27:08'

96.0'

Pier

45

30:06'

83.0'

Pier

46

334:24

313'

CHANN

334:52

334'

BANK

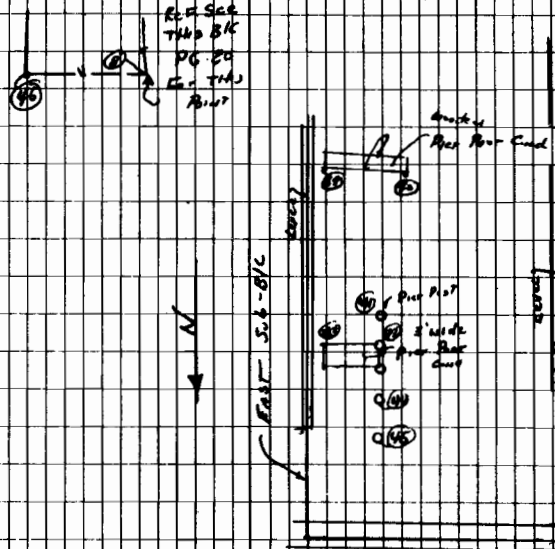
REF SEE B/C 860231

PG 1 FOR TOPO CONT'D

LAUREN F PTY

2/13/86

CLEAR E C/D



PHASE I

Property of MODJESKI & MASTERS

Address 1055 ST. CHARLES AVE.

Telephone (504) 524-4344

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

PHASE I

INDEX DESCRIPTION

SHT.

1	BM. ELEVATIONS
2	WEST LEVEE ORIG. X SECT.
3	WEST LEVEE ORIG. X SECT.
4	WEST LEVEE ORIG. X SECT.
5	WEST LEVEE ORIG. X SECT.
6	EAST LEVEE ORIG. X SECT.
7	EAST LEVEE ORIG. X SECT.
8	EAST LEVEE ORIG. X SECT.
9	EAST LEVEE ORIG. X SECT.
10	EAST LEVEE ORIG. X SECT.
11	CANAL ORIG. X SECT.
12	CANAL ORIG. X SECT.
13	PIEZOMETER ELEVATIONS
14	PIEZOMETRIC ELEVATIONS
15	CANAL ORIG. X SECT.
16	CANAL ORIG. X SECT.
17	CANAL ORIG. X SECT.
18	CANAL ORIG. X SECT.
19	CANAL ORIG. X SECT.
20	CANAL ORIG. X SECT.
21	CANAL ORIG. X SECT.
22	JEFF. LEVEE FINAL X SECT.

INDEX

SHT.	DESCRIPTION
23	JEFF. LEVEE FINAL X SECT.
24	ORLEANS LEVEE FINAL X SECT.
25	ORLEANS LEVEE FINAL X SECT.
26	CANAL FINAL X SECT.
27	CANAL FINAL X SECT.
28	PIEZOMETER ELEVATIONS
29-31	JEFF LEVEE FINAL X SECT.
32-34	ORLEANS LEVEE FINAL X SECT.
35-36	JEFF LEVEE FINAL X SECT.
37-39	CANAL FINAL X SECT.
40	PIEZOMETER ELEV.'S
41	CANAL X SECT. AT RR. DISCHARGE BASIN
42	ORLEANS LEVEE FINAL X SECT.
43	CANAL FINAL X SECT. / PIEZOMETER 05 ELEV.
44-47	CANAL FINAL X SECT & CANAL X SECT.
48	CANAL & LEVEE X SECT.
49-50	CASE STUDY: STA. 646+00
51-52	CANAL FINAL CROSS SECT.
53	ORLEANS LEVEE FINAL X SECT.

NOTES FROM BON BROS.

ORIGINAL X SECT. ELEV.

10.10.84

1

		ELEV.
BM	J13	30.12
TBM	PPole #2	28.49
	" #3	27.40
	" #4	27.22
	" #5	27.98
	" #6	27.00
	" #7	27.52
	" #8	30.61
TBM	#24 EAST LEVEE COR PILE-CAP	30.63
	ORLEANS	
671+00	TOP N END SHEET PILE RR	29.44
	1ST POST LT. OF	
667+00	CHAIN LINK GATE	26.07
659+00	1' LT. OF RT. BRICK GATE POST	25.71
655+00	3RD FENCE POST RT. OF GATE	29.79
647+00	ANCHOR GUY WIRE	24.77
	JEFFERSON	
	TOP N END SHEET PILE RR	29.48

NOTES FROM BOH BROS.

	BS	HI	FS	TBM	WEST LEVEL	ORIG.	X SECT.	
	4.34	35.05		#8 30.61				
671+25					11.1 27.9	11.4 30.7	11.8 32.3	
					11.2 27.9	11.6 32.5	12.0 32.9	
671+00					11.5 26.9	11.9 33.2	12.3 32.6	
					11.8 29.3	12.2 33.1	12.6 32.6	
670+00					12.1 29.0	12.5 33.2	12.9 32.6	
					12.4 29.7	12.8 33.1	13.2 32.6	
669+87					12.7 29.3	13.1 33.2	13.5 32.6	
					13.0 29.0	13.4 33.1	13.8 32.6	
669+62					13.3 28.8	13.7 33.2	14.1 32.6	
					13.6 28.5	14.0 33.1	14.4 32.6	
669+00					13.9 28.3	14.3 33.2	14.7 32.6	
					14.2 28.1	14.6 33.1	15.0 32.6	
668+00	6.50	34.02	7.53	#7 27.52	14.5 28.0	14.9 33.2	15.3 32.6	
					14.8 27.7	15.2 33.1	15.6 32.6	
667+00					15.1 27.6	15.5 33.2	15.9 32.6	
					15.4 27.4	15.8 33.1	16.2 32.6	
					15.7 27.2	16.1 33.2	16.5 32.6	
					16.0 27.0	16.4 33.1	16.8 32.6	
					16.3 26.8	16.7 33.2	17.1 32.6	
					16.6 26.6	17.0 33.1	17.4 32.6	
					16.9 26.4	17.3 33.2	17.7 32.6	
					17.2 26.2	17.6 33.1	18.0 32.6	
					17.5 26.0	17.9 33.2	18.3 32.6	
					17.8 25.8	18.2 33.1	18.6 32.6	
					18.1 25.6	18.5 33.2	18.9 32.6	
					18.4 25.4	18.8 33.1	19.2 32.6	
					18.7 25.2	19.1 33.2	19.5 32.6	
					19.0 25.0	19.4 33.1	19.8 32.6	
					19.3 24.8	19.7 33.2	20.1 32.6	
					19.6 24.6	20.0 33.1	20.4 32.6	
					19.9 24.4	20.3 33.2	20.7 32.6	
					20.2 24.2	20.6 33.1	21.0 32.6	
					20.5 24.0	20.9 33.2	21.3 32.6	
					20.8 23.8	21.2 33.1	21.6 32.6	
					21.1 23.6	21.5 33.2	21.9 32.6	
					21.4 23.4	21.8 33.1	22.2 32.6	
					21.7 23.2	22.1 33.2	22.5 32.6	
					22.0 23.0	22.4 33.1	22.8 32.6	
					22.3 22.8	22.7 33.2	23.1 32.6	
					22.6 22.6	23.0 33.1	23.4 32.6	
					22.9 22.4	23.3 33.2	23.7 32.6	
					23.2 22.2	23.6 33.1	24.0 32.6	
					23.5 22.0	23.9 33.2	24.3 32.6	
					23.8 21.8	24.2 33.1	24.6 32.6	
					24.1 21.6	24.5 33.2	24.9 32.6	
					24.4 21.4	24.8 33.1	25.2 32.6	
					24.7 21.2	25.1 33.2	25.5 32.6	
					25.0 21.0	25.4 33.1	25.8 32.6	
					25.3 20.8	25.7 33.2	26.1 32.6	
					25.6 20.6	26.0 33.1	26.4 32.6	
					25.9 20.4	26.3 33.2	26.7 32.6	
					26.2 20.2	26.6 33.1	27.0 32.6	
					26.5 20.0	26.9 33.2	27.3 32.6	
					26.8 19.8	27.2 33.1	27.6 32.6	
					27.1 19.6	27.5 33.2	27.9 32.6	
					27.4 19.4	27.8 33.1	28.2 32.6	
					27.7 19.2	28.1 33.2	28.5 32.6	
					28.0 19.0	28.4 33.1	28.8 32.6	
					28.3 18.8	28.7 33.2	29.1 32.6	
					28.6 18.6	29.0 33.1	29.4 32.6	
					28.9 18.4	29.3 33.2	29.7 32.6	
					29.2 18.2	29.6 33.1	30.0 32.6	
					29.5 18.0	29.9 33.2	30.3 32.6	
					29.8 17.8	30.2 33.1	30.6 32.6	
					30.1 17.6	30.5 33.2	30.9 32.6	
					30.4 17.4	30.8 33.1	31.2 32.6	
					30.7 17.2	31.1 33.2	31.5 32.6	
					31.0 17.0	31.4 33.1	31.8 32.6	
					31.3 16.8	31.7 33.2	32.1 32.6	
					31.6 16.6	32.0 33.1	32.4 32.6	
					31.9 16.4	32.3 33.2	32.7 32.6	
					32.2 16.2	32.6 33.1	33.0 32.6	
					32.5 16.0	32.9 33.2	33.3 32.6	
					32.8 15.8	33.2 33.1	33.6 32.6	
					33.1 15.6	33.5 33.2	33.9 32.6	
					33.4 15.4	33.8 33.1	34.2 32.6	
					33.7 15.2	34.1 33.2	34.5 32.6	
					34.0 15.0	34.4 33.1	34.8 32.6	
					34.3 14.8	34.7 33.2	35.1 32.6	
					34.6 14.6	35.0 33.1	35.4 32.6	
					34.9 14.4	35.3 33.2	35.7 32.6	
					35.2 14.2	35.6 33.1	36.0 32.6	
					35.5 14.0	35.9 33.2	36.3 32.6	
					35.8 13.8	36.2 33.1	36.6 32.6	
					36.1 13.6	36.5 33.2	36.9 32.6	
					36.4 13.4	36.8 33.1	37.2 32.6	
					36.7 13.2	37.1 33.2	37.5 32.6	
					37.0 13.0	37.4 33.1	37.8 32.6	
					37.3 12.8	37.7 33.2	38.1 32.6	
					37.6 12.6	38.0 33.1	38.4 32.6	
					37.9 12.4	38.3 33.2	38.7 32.6	
					38.2 12.2	38.6 33.1	39.0 32.6	
					38.5 12.0	38.9 33.2	39.3 32.6	
					38.8 11.8	39.2 33.1	39.6 32.6	
					39.1 11.6	39.5 33.2	39.9 32.6	
					39.4 11.4	39.8 33.1	40.2 32.6	
					39.7 11.2	40.1 33.2	40.5 32.6	
					40.0 11.0	40.4 33.1	40.8 32.6	

NOTES FROM BON BRO.

	B.S.	HI.	F.S.	TBM	WEST LEVEL	ORIG.	X SECTIONS	10.18.84
666+00		34.62			33.3 20.5 20.9	33.1 31.5 31.5	4.5 24.5 29.5	8.25.4 39
665+00					26.3 26.5 26.5	31.5 31.5 31.5	29.1 25.6 25.2	
664+00					22.6 26.5 26.1	31.5 31.5 31.4	29.4 25.5 26.1	
663+00	7.88	34.88	7.02	6 27.00	20.4 19.5 20.8	31.4 25.0 25.0	31.2 31.7 33.7	25.5 26.1 27.8
662+00					19.5 20.8 20.8	31.1 25.0 25.0	31.7 31.7 33.7	27.8
661+00					21.4 23.2 26.2	31.1 25.0 25.0	33.7 33.7 33.7	27.8
660+00					20.7 20.7 25.2	30.6 30.6 25.2	33.0 33.0 33.0	27.8
659+00					20.8 21.4 25.9	30.7 30.7 25.9	33.0 33.0 33.0	27.8
658+00					21.4 25.9 20.7	30.7 25.9 20.7	33.0 33.0 33.0	27.8

NOTES FROM BOH BROS

	B.S.	H.I.	F.S.	TBM #3
649+00	6.52	33.92	7.04	
648+00				
647+00				
646+00				
645+00				
644+00				
643+00				
642+00		3.80		BM

ELEV.	WEST LEVEL	ORIG. X SECTION	10/19/84	5
27.40	28.7			
27.5	28.5			
27.7	28.3			
27.9	28.1			
28.1	27.9			
28.3	27.7			
28.5	27.5			
28.7	27.3			
28.9	27.1			
29.1	26.9			
29.3	26.7			
29.5	26.5			
29.7	26.3			
29.9	26.1			
30.1	25.9			
30.3	25.7			
30.5	25.5			
30.7	25.3			
30.9	25.1			
31.1	24.9			
31.3	24.7			
31.5	24.5			
31.7	24.3			
31.9	24.1			
32.1	23.9			
32.3	23.7			
32.5	23.5			
32.7	23.3			
32.9	23.1			
33.1	22.9			
33.3	22.7			
33.5	22.5			
33.7	22.3			
33.9	22.1			
34.1	21.9			
34.3	21.7			
34.5	21.5			
34.7	21.3			
34.9	21.1			
35.1	20.9			
35.3	20.7			
35.5	20.5			
35.7	20.3			
35.9	20.1			
36.1	19.9			
36.3	19.7			
36.5	19.5			
36.7	19.3			
36.9	19.1			
37.1	18.9			
37.3	18.7			
37.5	18.5			
37.7	18.3			
37.9	18.1			
38.1	17.9			
38.3	17.7			
38.5	17.5			
38.7	17.3			
38.9	17.1			
39.1	16.9			
39.3	16.7			
39.5	16.5			
39.7	16.3			
39.9	16.1			
40.1	15.9			
40.3	15.7			
40.5	15.5			
40.7	15.3			
40.9	15.1			
41.1	14.9			
41.3	14.7			
41.5	14.5			
41.7	14.3			
41.9	14.1			
42.1	13.9			
42.3	13.7			
42.5	13.5			
42.7	13.3			
42.9	13.1			
43.1	12.9			
43.3	12.7			
43.5	12.5			
43.7	12.3			
43.9	12.1			
44.1	11.9			
44.3	11.7			
44.5	11.5			
44.7	11.3			
44.9	11.1			
45.1	10.9			
45.3	10.7			
45.5	10.5			
45.7	10.3			
45.9	10.1			
46.1	9.9			
46.3	9.7			
46.5	9.5			
46.7	9.3			
46.9	9.1			
47.1	8.9			
47.3	8.7			
47.5	8.5			
47.7	8.3			
47.9	8.1			
48.1	7.9			
48.3	7.7			
48.5	7.5			
48.7	7.3			
48.9	7.1			
49.1	6.9			
49.3	6.7			
49.5	6.5			
49.7	6.3			
49.9	6.1			
50.1	5.9			
50.3	5.7			
50.5	5.5			
50.7	5.3			
50.9	5.1			
51.1	4.9			
51.3	4.7			
51.5	4.5			
51.7	4.3			
51.9	4.1			
52.1	3.9			
52.3	3.7			
52.5	3.5			
52.7	3.3			
52.9	3.1			
53.1	2.9			
53.3	2.7			
53.5	2.5			
53.7	2.3			
53.9	2.1			
54.1	1.9			
54.3	1.7			
54.5	1.5			
54.7	1.3			
54.9	1.1			
55.1	0.9			
55.3	0.7			
55.5	0.5			
55.7	0.3			
55.9	0.1			

NOTES FROM BOH BROS.

EAST LEVEE. ORIG. X SECT.

6
10.19.84

B.S. H.I. F.S.

671+25 4.21 33.65

671+00
671+25

671+00
670+00 670+00

670+00
669+87 669+87

669+87
669+62 669+62

669+62
669+00 669+00

669+00
668+00 668+00

667+00

TOP N
END SHT
PILE

ELEV.

29.44

26.07

1ST POST
LT. GATE
CHAINLINK
FENCE.

53.6	29.7	27.3	26.4	23.0
0.1	4.0	6.4	7.3	10.7
28.1	26.4	4.50	2.1	2.80
28.8	30.6	5.18	3.2	8.2
4.9	5.1	1.9	1.5	2.5
26.6	30	2.1	2.6	6.4
28.6	30.7	3.4	3.2	2.4
5.1	3.0	1.4	2.1	5.2
28.2	31.4	3.2	3.0	1.9
28.2	30.6	3.4	3.0	9.2
5.5	3.1	1.7	2.8	6.8
26.8	29.8	2.2	2.2	1.6
5.9	2.9	1.9	2.1	5.9
25.5	29.3	3.1	3.8	2.8
8.2	4.4	2.1	2.0	6.2
26.8	25.5	3.7	3.7	2.2
25.5	28.3	3.9	3.2	2.3
2.2	4.4	3.1	3.5	6.4
2.4	30.6	2.0	2.1	10.2
2.4	28.3	3.9	3.2	2.3
3.1	4.4	3.1	3.5	6.4
2.8	3.1	2.0	2.1	10.2

NOTES FROM BOH BROS

	B.S.	H.I.	F.S.	ELEV.
667+00	8.28	34.35	8.64	26.07
666+00				
666+00				
665+00				
664+00				
663+00				
662+00				
661+00				
660+00				
659+00	7.09	32.80	8.64	25.71

1/2 LT. OF
RT. BRICK
GATE POST

EAST LEVER ORIG. X SECT.

10/19/84

1ST POST
LEFT GATE

25.7	28.4	30.5	31.0	30.4	26.8	23.1
25.1	28.6	31.2	31.6	31.2	26.6	23.1
25.3	28.7	30.9	31.3	31.2	26.9	23.8
26.6	29.4	31.1	31.3	31.1	26.7	23.0
26.1	29.4	31.4	31.7	31.2	27.0	23.0
25.7	29.1	31.0	31.3	31.2	27.4	23.0
25.7	29.1	31.4	31.7	31.2	27.0	23.0
25.1	28.6	31.3	31.7	31.0	26.9	23.1
25.6	28.7	30.7	31.2	31.4	26.9	23.1
25.0	28.7	30.7	31.2	31.4	26.9	23.1

NOTES FROM BON BRDS

	B.S.	H.I.	F.S.	ELEV.
6		32.80		
6 658+00				
6				
6 657+00				
6 656+00				
6 655+00				
6 654+00	2.98	32.77	3.01	29.79
6 653+00				
6 652+00				
6 651+00				

TP 320
FENCE
POST RT
GATE

8

10-19-84

EAST	LEVEE	ORIG.	X	SECT.
25.9	28.9	30.4	31.0	30.8
1.9	3.9	2.4	1.8	2.0
26.4	30	29	228	213
25.7	28.9	30.9	31.1	30.9
1.1	1.9	1.9	1.7	1.9
27.0	250	231	225	213
24.6	28.7	30.7	31.0	30.9
8.2	1.1	2.1	1.8	1.9
27.0	250	231	228	214
25.6	28.6	30.8	31.3	31.5
1.2	4.2	2.0	1.5	1.3
26.4	250	238	227	218
26.2	29.8	31.0	31.4	31.3
1.4	1.3	1.8	1.4	1.5
26.5	250	240	229	216
25.7	28.7	30.9	30.7	30.7
1.7	1.1	1.9	2.1	2.1
26.6	250	238	226	215
24.6	28.4	31.0	31.6	31.9
1.9	4.4	1.8	1.2	0.9
26.8	250	239	229	219
25.3	28.2	30.9	31.5	30.8
1.3	1.6	1.9	1.8	2.0
26.7	250	235	223	210

NOTES FROM BOH BROS

	B.S.	H.I	F.S.	ELEV.
	0.00	29.44		29.44

6 671+25

6 671+00

6 670+00

6 669+87 2.70 29.52 2.62 26.82

6 669+62

6 669+00

6 668+00

ORIGINAL CANAL X SECT.

11
12.3.84

22.0	17.5	16.4	17.3	15.8	22.0
17.4	15.7	13.0	12.1	13.6	17.4
17.4	15.7	13.0	12.1	13.6	17.4
18.6	17.4	15.7	15.4	14.8	18.6
17.4	15.5	12.5	13.5	14.3	17.4
12.0	13.9	16.9	14.7	18.1	12.0
18.3	14.4	12.6	13.8	15.3	18.3
11.2	10.1	16.9	13.7	4.2	11.2
17.5	13.8	12.4	13.9	21.6	17.5
12.0	15.7	17.1	15.6	11.8	12.0
12.6	13.2	16.0	18.2	23.1	12.6
14.8	12.7	13.8	16.0	19.9	14.8
10.4	14.7	16.8	15.7	12.6	10.4
14.7	16.8	15.7	13.5	9.6	14.7
16.8	15.7	13.8	16.0	21.2	16.8
15.7	13.8	16.0	16.9	22.5	15.7
13.5	15.7	13.5	12.6	8.3	13.5
12.6	13.5	15.7	16.9	7.0	12.6
9.6	12.6	16.0	16.9	7.0	9.6
8.3	9.6	16.0	16.9	7.0	8.3
7.0	8.3	16.0	16.9	7.0	7.0

PT.	B.S.	H.I.	F.S.	ELEV.
BM.	5.89	35.33		29.44
O1			2.83	32.50
J1			11.20	24.13
TPI	7.05	35.04	6.34	28.99
J2			12.11	22.93
J3			11.76	23.28
BM J13	1.53	31.65	8.39	30.12
WATER GAGE			8.39	23.26
BM	3.23	32.71		29.48
WATER GAGE			7.69	25.02

K. READ, L. STEGMAN

PIEZOMETER ELEV.

13
12.10.84

ORLEANS

N. END OF SH. PILE @ RR.

*NOTE: ALL PIEZOMETER
ELEV. TAKEN ON TOP OF
BLACK IRON PIPE.

CAP

N. END
@ I-10

STAKE - TOP OF STAKE

N. END
OF SH.

RR - ELEV.

TOP OF
2x4 STAKE

RR

K. REAR, L. STEGMAN				
PT.	B.S.	H.I.	F.S.	ELEV.
BM J13	0.80	30.92		30.12
WATER GAUGE			7.34	23.58
BM @ RR JEFF	4.39	33.87		29.48
J1			9.85	24.02
GROUND J1			11.91	21.96
TP1	9.44	35.41	7.90	25.97
J2			12.58	22.83
GROUND J2				20.78
J3			12.33	23.08
GROUND J3				21.05
BM @ RR ORL	5.89	35.33		29.44
O1			2.90	32.43
GROUND O1			4.98	30.35
O2			6.50	28.83
GROUND O2			8.54	26.79
TP O2	7.02	33.81		26.79

PIEZOMETER ELEVATIONS				
14				
12-11-84				
PT.	B.S.	H.I.	F.S.	ELEV.
		33.81		
J3			5.82	27.99
GROUND J3			7.67	26.14
TP2	2.88	31.69	5.00	28.81
J4			4.91	26.78
GROUND J4			6.95	24.74
* NOTE: GROUND ELEV. AT				
J2 & J3 ARE DIRECT				
ELEV. TRANSFERRED FROM				
PIEZOMETER ELEV. BY HAND				
LEVEL & RULE.				
GROUND J2		GROUND J3		
22.83		23.08		
+ 0.14		+ 0.17		
22.97		23.25		
- 2.19		- 2.20		
20.78		21.05		

FIELD	CREW FROM BOY BROOK		
B.S.	H.I.	F.S.	ELEV.
0.34	30.22		29.88

664100

663100

662100

661100

ANAL. ORIG. X SECT. 15
12.11.84

21.0	18.4	15.5	14.6	14.0	13.8	13.6	13.2	13.2
9.2 52	11.8 60	14.7 70	15.6 80	16.2 90	16.4 100	16.6 110	17.0 120	17.0 130
14.2			16.7	20.6	22.6			
16.0 150			13.5 160	9.6 169	7.6 173			
20.6	18.2	15.5	15.0	14.6	14.2	14.0	13.9	13.6
9.6 53	12.0 60	14.7 70	15.2 80	15.6 90	16.0 100	16.2 110	16.5 120	16.6 130
13.9	15.4	19.9	20.6	22.3				
16.8 150	14.8 160	10.3 170	9.6 173	7.9 175				
21.0	17.1	15.2	15.0	14.8	14.4	14.3	14.1	13.6
9.2 52	13.1 60	15.0 70	15.2 80	15.4 90	15.8 100	15.9 110	16.1 120	16.6 130
13.0	14.4	19.9	20.6	22.5				
17.2 150	15.8 160	10.3 170	9.6 174	7.7 177				
20.5	17.8	14.2	14.1	14.2	14.2	14.0	14.2	14.0
9.7 54	12.4 60	16.0 70	16.1 80	16.0 90	16.0 100	16.2 110	16.0 120	16.2 130
14.6	16.0	19.4	20.6	23.0				
15.6 150	14.2 160	10.8 170	9.6 174	7.2 177				

FIELD CREW FROM BON BROS

H.I.

30.22

660+00

659+00

CANAL ORIG. X SECT.

16
12-11-84

13.7	13.6	14.8	20.0	20.8	22.7		
13.5	16.6	15.4	10.2	9.4	7.5		
20.9	17.8	14.5	13.8	13.5	13.3	13.4	13.5
9.3	12.4	15.7	16.4	16.7	16.9	16.8	16.7
50	60	70	80	90	100	110	120
4.1	4.3	5.8	20.1	21.0	22.3		
6.5	16.1	15.9	14.4	14.1	9.2	7.9	
20	140	150	160	170	170	175	
20.6	17.2	13.9	13.9	14.1	14.0	14.1	14.1
9.6	13.0	16.3	16.1	16.2	16.1	16.1	16.3
53	60	70	80	90	100	110	120
20.6	17.2	13.9	13.9	14.1	14.0	14.1	14.1
9.6	13.0	16.3	16.1	16.2	16.1	16.1	16.3
53	60	70	80	90	100	110	120

BOH BROS. SURVEY CREW

B.S. H.I. F.S. ELEV.

B.M. 7.59 33.30 25.71

TP 1.65 29.48 5.47 27.83

658+00

657+00

656+00

655+00

ORIGINAL X SECT.

17
12.14.84

20.3	17.3	14.3	13.9	13.6	13.6	13.8	14.0	14.4
9.0	12.2	15.2	15.6	15.9	15.9	15.7	15.5	15.1
60	60	70	80	90	100	110	120	130
11.8	14.8	15.9	19.8	21.3	21.1	21.1	21.1	21.1
14.7	13.6	9.7	9.7	8.2	15.4	18.4	18.4	18.4
150	160	170	175	175	180	180	180	180
12.7	17.3	14.3	14.3	14.5	14.8	13.9	13.7	13.7
12.2	13.2	15.2	15.2	15.0	14.7	15.6	15.6	15.8
60	70	80	90	100	110	120	130	140
14.6	14.9	15.1	18.8	20.3	22.5	22.5	22.5	22.5
14.2	14.9	14.4	10.7	9.2	7.0	7.0	7.0	7.0
170	180	190	200	210	220	230	240	250
15.0	14.1	14.1	13.8	13.7	13.9	13.7	13.7	13.7
10.1	14.5	14.5	14.5	15.7	15.8	15.6	16.2	16.2
70	80	90	100	110	120	130	140	150
13.8	14.1	14.5	17.4	20.5	23.3	23.3	23.3	23.3
14.7	15.4	15.0	12.1	12.1	12.1	12.1	12.1	12.1
170	180	190	200	210	220	230	240	250
21.8	20.2	16.5	13.8	13.5	13.1	12.5	12.3	12.3
11.8	9.3	13.6	15.7	15.0	16.4	17.0	17.2	17.2
60	70	80	90	100	110	120	130	140
12.0	12.0	15.8	18.5	21.0	22.0	22.0	22.0	22.0
11.7	11.3	13.7	11.0	8.5	7.5	7.5	7.5	7.5
160	170	180	190	200	210	220	230	240

BOH BROS. SURVEY CREW

ORIGINAL X SECT. 18

B.S. H.I. F.S. ELEV.

29.48

65400

65300

TP 5.59 29.96 5.11 24.37

65200

65100

17.7

17.2

13.3

15.2

15.9

16.2

16.8

16.7

17.0

16.2

16.8

16.7

16.2

16.1

16.2

16.4

16.6

16.6

20.3

20.0

15.2

15.4

15.6

15.9

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BOH BROS. SURVEY CREW

B.S. H.I. F.S. ELEV.

29.96

650100

TP 5.73 35.16 0.53 29.43

10.43 24.73

24.77 BM

641.12

ANAL ORIGINAL X SECT.

19
12.11.84

21.2	20.3	16.0	13.3	12.7	12.9	13.2	13.5
11.8	9.7	15.0	16.7	17.3	17.1	16.8	16.5
13.7	13.4	13.7	17.0	20.9	22.9	22.9	22.9
16.2	15.6	16.3	13.0	14.1	7.1	7.1	7.1
14.0	15.0	16.0	17.0	17.8	18.0	18.0	18.0

BOH BROS. SURVEY CREW. ANAL. ORIG. X SECT. 20
 12-20-84

DT. B.S. H.I. F.S. ELEV.

B.M. 24.77
 T.P. 0.43 28.73 28.30

649+00

648+00

647+00

ELEVATION ROD

20.8	18.5	14.5	14.1	13.6	13.7	13.8	13.6	13.2
17.9	10.2	14.2	14.6	15.1	15.0	14.9	15.1	15.5
54	60	70	80	90	100	110	120	130
12.9	14.3	17.6	21.0	22.7				
15	14.4	11	7	6				
21.2	16.0	14.1	13.2	13.6	14.1	13.9		
22.4	12.7	14.6	15.5	15.1	14.6	14.8	15.0	13.7
80	70	80	90	100	110	120	130	13.6
12.9	13.8	17.4	20.9	22.7				
15.8	14.9	11.3	7.8	6				
160	170	178	180					
21.0	18.9	13.9	12.2	12.3	12.8	13.1	13.3	13.4
17	9	14.8	16.5	16.4	15.9	15.6	15.4	15.3
60	70	80	90	100	110	120	130	
13.3	14.5	18.7	20.6	23.1				
15.4	14.2	10.0	8.1	5				
150	160	170	176	179				

BOH BROS SURVEY CREW ORIGINAL ORIG. X SECTION 21 12.20.84

B.S.	H.I	F.S.	ELEV.																		
	28.73																				
646+00																					
645+00																					
644+00																					
643+00																					
TP		0.42	28.31																		
BM			24.78																		

ACTUAL 24.77 0.01 error

KEE. ROD

BOH BROS. SURVEY CREW

	B.S.	H.I.	F.S.	ELEV.
BM. 22 (20) 11	5.67	35.11		29.44

671+00				
WATER ELEV.		12.9	22.2	

670+00				
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669+87				
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669+62				
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669+00				
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668+00				
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667+00				
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666+00				
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LEANS LEVEL FINAL X SECT. 12.26.84

MEAS AS ORIG. X SECT. NO WORK

30.6	31.2	32.5	33.5	33.3	30.6	27.6	24.5	22.2
4.3	3.9	2.6	1.6	1.8	4.5	7.5	10.6	12.9
240	240	230	225	215	210	200	190	182
31.1	32.4	33.4	33.0	30.6	27.5	24.5	22.2	
4.0	2.7	1.7	2.1	4.5	7.6	10.6	12.9	
240	230	226	216	210	200	190	183	
31.2	32.3	33.3	33.2	31.0	27.4	24.3	22.2	
3.9	2.8	1.8	1.9	4.1	7.7	10.8	12.9	
240	230	226	216	210	200	190	183	
31.1	32.6	33.5	33.2	30.9	27.4	24.2	22.2	
4.0	2.5	1.6	1.7	4.2	7.7	10.9	12.9	
240	230	226	216	210	200	190	182	
30.6	32.4	33.2	33.2	30.7	27.3	24.1	22.2	
4.5	2.7	1.9	1.9	4.4	7.8	11.0	12.9	
240	230	226	216	210	200	190	182	
30.5	33.4	33.4	29.5	26.2	22.2			
4.6	1.7	1.7	5.6	8.9	12.9			
240	231	221	210	200	190			
28.9	31.5	33.4	33.2	31.3	27.9	24.6	22.2	
6.2	3.6	1.7	1.9	3.8	7.2	10.5	12.9	
250	240	235	225	220	210	200	194	

BOH BROS. SURVEY CREW

LEVIN'S LEVEL FINAL X SECT

25

12.26.84

B.S. H.I. F.S. ELEV.

35.11

665+00

BM

9.03 2608

Act. 26.0

2.9	1.6	1.8	4.6	7.8	10.8	12.9
240	287	227	220	210	200	193

238	35	32	30.5	273	243	222
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BOH BROS. SURVEY CREW

ANAL FINAL CROSS SECT.

26

12.29.84

	B.S.	H.I.	F.S.	ELEV.									
BM	3.28	32.72		29.44									
TP	2.83	27.06	8.49	24.23									
671425					11.8	15.8	16.5	16.9	18.7				
					$\frac{11.8}{60}$	$\frac{15.8}{70}$	$\frac{16.5}{80}$	$\frac{16.9}{90}$	$\frac{18.7}{100}$				
					11.8	15.3	15.3	14.1	14.1	14.2			
					$\frac{11.8}{60}$	$\frac{15.3}{70}$	$\frac{15.3}{80}$	$\frac{14.1}{90}$	$\frac{14.1}{100}$	$\frac{14.2}{110}$			
671400					13.7	13.4	13.4	14.0	16.8	19.8			
					$\frac{13.7}{60}$	$\frac{13.4}{70}$	$\frac{13.4}{80}$	$\frac{14.0}{90}$	$\frac{16.8}{100}$	$\frac{19.8}{110}$			
					13.7	13.7	13.7	13.1	10.3	7.3	7.7		
					$\frac{13.7}{60}$	$\frac{13.7}{70}$	$\frac{13.7}{80}$	$\frac{13.1}{90}$	$\frac{10.3}{100}$	$\frac{7.3}{110}$	$\frac{7.7}{120}$		
					12.2	12.2	12.2	12.4	13.4	14.4	14.7		
					$\frac{12.2}{60}$	$\frac{12.2}{70}$	$\frac{12.2}{80}$	$\frac{12.4}{90}$	$\frac{13.4}{100}$	$\frac{14.4}{110}$	$\frac{14.7}{120}$		
670400					14.4	14.4	14.4	14.4	14.4	14.4	14.4		
					$\frac{14.4}{60}$	$\frac{14.4}{70}$	$\frac{14.4}{80}$	$\frac{14.4}{90}$	$\frac{14.4}{100}$	$\frac{14.4}{110}$	$\frac{14.4}{120}$		
					14.4	14.4	14.4	14.4	14.4	14.4	14.4		
					$\frac{14.4}{60}$	$\frac{14.4}{70}$	$\frac{14.4}{80}$	$\frac{14.4}{90}$	$\frac{14.4}{100}$	$\frac{14.4}{110}$	$\frac{14.4}{120}$		
					14.4	14.4	14.4	14.4	14.4	14.4	14.4		
					$\frac{14.4}{60}$	$\frac{14.4}{70}$	$\frac{14.4}{80}$	$\frac{14.4}{90}$	$\frac{14.4}{100}$	$\frac{14.4}{110}$	$\frac{14.4}{120}$		
6669+87					17.1	17.1	17.1	17.1	17.1	17.1	17.1		
					$\frac{17.1}{60}$	$\frac{17.1}{70}$	$\frac{17.1}{80}$	$\frac{17.1}{90}$	$\frac{17.1}{100}$	$\frac{17.1}{110}$	$\frac{17.1}{120}$		
					17.1	17.1	17.1	17.1	17.1	17.1	17.1		
					$\frac{17.1}{60}$	$\frac{17.1}{70}$	$\frac{17.1}{80}$	$\frac{17.1}{90}$	$\frac{17.1}{100}$	$\frac{17.1}{110}$	$\frac{17.1}{120}$		
					17.1	17.1	17.1	17.1	17.1	17.1	17.1		
					$\frac{17.1}{60}$	$\frac{17.1}{70}$	$\frac{17.1}{80}$	$\frac{17.1}{90}$	$\frac{17.1}{100}$	$\frac{17.1}{110}$	$\frac{17.1}{120}$		
					17.1	17.1	17.1	17.1	17.1	17.1	17.1		
					$\frac{17.1}{60}$	$\frac{17.1}{70}$	$\frac{17.1}{80}$	$\frac{17.1}{90}$	$\frac{17.1}{100}$	$\frac{17.1}{110}$	$\frac{17.1}{120}$		
					17.1	17.1	17.1	17.1	17.1	17.1	17.1		
					$\frac{17.1}{60}$	$\frac{17.1}{70}$	$\frac{17.1}{80}$	$\frac{17.1}{90}$	$\frac{17.1}{100}$	$\frac{17.1}{110}$	$\frac{17.1}{120}$		
					17.1	17.1	17.1	17.1	17.1	17.1	17.1		
					$\frac{17.1}{60}$	$\frac{17.1}{70}$	$\frac{17.1}{80}$	$\frac{17.1}{90}$	$\frac{17.1}{100}$	$\frac{17.1}{110}$	$\frac{17.1}{120}$		
					17.1	17.1	17.1	17.1	17.1	17.1	17.1		
					$\frac{17.1}{60}$	$\frac{17.1}{70}$	$\frac{17.1}{80}$	$\frac{17.1}{90}$	$\frac{17.1}{100}$	$\frac{17.1}{110}$	$\frac{17.1}{120}$		

K. REAR, L. STEGMAN

BAROMETER ELEVATIONS

28

118.85

	B.S.	H.I.	F.S.	ELEV.
BM J13	3.55	33.67		30.12
J7			10.73	22.94
GROUND J7			12.63	21.04
J6			10.50	23.17
GROUND J6	4.42	25.85	12.24	21.43
J5			0.66	25.19
GROUND J5			3.84	22.01
J4			2.55	23.30
GROUND J4			4.26	21.59
BM	4.19	33.98		29.79
06			3.25	30.73
GROUND 06			5.35	28.63

T.
K.

388
FRN

STA. 655+00

BOH. BESS. SURVEY CORRECTION

BM#	B.S.	H.I.	F.S.	ELEV.
Power Pole	7.23	35.21	8.00	27.98

659+00

658+00

657+00

656+00

PERSON LEVEL FINAL X SECT 1.25.85

22.9	24.8	28.2	31.5	33.1	33.2	31.3	27.9	24.6	21.6
2.2	10.4	7.0	3.7	2.1	2.0	2.8	7.3	10.6	12.6
3.6	3.0	2.0	1.0	6	4	1.0	2.0	3.0	4.0
22.8	24.8	28.2	31.5	33.3	33.2	31.4	28.2	24.7	21.6
2.4	10.4	7.0	3.7	2.1	2.0	2.8	7.0	10.4	12.6
3.7	3.0	2.0	1.0	6	4	1.0	2.0	3.0	4.0
21.1	25.4	28.7	31.7	33.3	33.3	30.9	27.6	24.5	21.5
2.9	9.8	6.5	3.3	1.9	1.9	4.3	7.6	10.7	10.7
3.0	3.0	3.0	1.0	7	3	1.0	3.0	3.0	3.0
20.4	25.5	28.8	32.2	33.4	33.3	30.9	27.5	24.3	21.5
4.1	9.7	6.4	3.0	1.8	1.9	4.3	7.7	10.9	10.9
4.6	3.0	2.0	1.0	7	3	1.0	3.0	3.0	3.0
22.2	25.5	28.8	32.2	33.4	33.3	30.9	27.5	24.3	21.5
3.0	9.7	6.4	3.0	1.8	1.9	4.3	7.7	10.9	10.9
3.0	3.0	2.0	1.0	7	3	1.0	3.0	3.0	3.0
20.3	25.5	28.8	32.2	33.4	33.3	30.9	27.5	24.3	21.5
14.9	9.7	6.4	3.0	1.8	1.9	4.3	7.7	10.9	10.9
4.4	3.0	2.0	1.0	7	3	1.0	3.0	3.0	3.0

BOH BROS. SURVEY CREW

B.S. H.I. F.S. ELEV.

35.21 8.00

655+00

654+00

TP

7.91 35.13

27.21 P.O.M.

653+00

652+00

651+00

PERSON. LEVEL FINAL X SECT

30

1.25.85

22.5 25.2 28.0 32.3 33.4 33.3 30.9 27.4 24.2
 12.7 10.0 6.6 2.9 1.8 1.9 4.3 7.8 11.0
 40 30 20 10 7 3 10 20 20

14.7
 22.5 25.4 28.8 32.1 33.4 33.4 30.8 27.8 25.4
 12.7 9.8 6.4 3.1 1.8 1.6 4.4 7.4 9.6
 40 30 20 10 7 3 10 20 20

12.7
 40

FINAL ELEV. 27.22

27.5 25.4 28.7 32.0 33.3 33.4 30.9 28.2 26.1 23.7
 12.6 9.7 6.4 3.1 1.8 1.7 4.2 6.9 9.0 11.4
 40 30 20 10 7 3 10 20 20 20

22.5 25.5 28.7 31.9 33.4 33.4 31.0 28.1 25.8 23.4
 12.6 9.6 6.4 3.2 1.7 1.7 4.1 7.0 9.3 11.7
 40 30 20 10 7 3 10 20 20 20

22.0 25.1 28.5 31.9 33.3 33.2 30.8 27.7 24.7 22.3
 13.1 10.0 6.6 3.2 1.8 1.9 4.3 7.4 10.4 12.8
 40 30 20 10 6 4 10 20 30 40

BON BROS. SURVEY CREW PLANS LEVEL FINAL X SECT. 32 1:30.85

	BS	H.I.	F.S.	ELEV.							
BM											
662+75	6.06	35.88	10.14	29.82	27.5	33.5	29.8	26.5	23.2	21.6	
664+00					2.4	2.4	15.1	9.6	12.7	14.3	
					250	227	220	210	200	196	
					32.8	32.8	26.8	24.0	21.6		
					2.1	2.1	9.1	11.9	14.3		
663+00					22.8	22.8	210	200	193		
					33.5	33.4	30.7	29.0	23.0	21.6	
					2.4	2.5	5.2	8.6	11.9	14.3	
662+00					22.7	22.7	220	210	200	197	
					31.5	32.4	31.3	27.8	24.5	23.5	21.6
					4.4	2.9	2.9	4.6	8.1	11.4	12.6
661+00					240	226	226	220	210	200	196
					31.3	33.5	33.5	31.8	28.3	25.1	23.7
					4.6	2.4	2.4	4.1	7.6	10.8	12.2
660+00					240	225	225	220	210	200	195
					30.6	33.5	33.4	29.2	25.9	22.8	21.6
					5.3	2.4	2.5	6.7	10.0	13.1	14.3
659+00					240	231.5	221.5	210	200	191	187
					30.2	33.5	33.5	30.2	26.7	23.8	23.3
					4.8	1.5	1.5	4.8	8.3	11.2	11.7
T.P.	9.31	35.02	5.24	25.74	240	228	218	210	200	190	188
					30.2	33.5	33.5	30.2	26.7	23.8	23.3
658+00					4.8	1.5	1.5	4.8	8.3	11.2	11.7
					240	228	218	210	200	190	188

BM 659+ TOTAL ELEV. 25.71

Both BRGS. SURVEY CREW

B.S. H.I. F.S. ELEV.

35.02

657+00

656+00

655+00

654+00

(T.P. 5.23 35.02 5.23 29.78 BM 655+00

653+00

652+00

651+00

LEVEE FINAL X SECT. 1.20.28

33

	32.7								
	33.5	1.5	1.6	4.8	8.2	11.7	13.4		
	33.4	2.28	2.18	2.10	2.00	1.88	1.82		
	33.5	1.5	1.4	4.7	7.9	11.0	11.5	13.4	
	33.4	2.28	2.18	2.10	2.00	1.96	1.88	1.79	
	33.5	1.5	1.6	4.6	8.0	11.6	13.4		
	33.4	2.28	2.18	2.10	2.00	1.88	1.82		
	33.5	1.5	1.4	4.7	7.9	11.2	11.9	13.4	
	33.4	2.28	2.18	2.10	2.00	1.96	1.88	1.83	
	32.6								
	32.4								
	33.7								
	33.5	1.5	1.5	4.2	7.8	11.0	11.9	13.5	
	33.4	2.28	2.18	2.10	2.00	1.90	1.88	1.82	
	32.6								
	32.5								
	33.3								
	33.4								
	33.5	1.5	1.7	5.2	8.6	11.3	13.2		
	33.4	2.30	2.20	2.10	2.00	1.92	1.87		

BOH BROS. SURVEY CREW

MEANS LEVEL FINAL X SECT.

34

1.30.85

B.S. H.I. F.S. ELEV.

35.02

650+00

649+00

31.2	32.5	33.5	33.4	29.1	25.9	22.4	21.8
1.8	2.5	1.5	1.6	5.9	9.1	12.6	13.2
240	233	232	222	210	200	190	187
31.2	33.2	33.1	28.9	25.6	23.4	21.9	
1.8	1.8	1.9	6.1	9.4	11.6	13.1	
240	232	222	210	200	192	185	

BOH BROS. SURVEY CREW

PERSON. LEVEE FINAL X SECT. 1.30.85

B.M. H.I. F.S. ELEV.
 J13 5.31 35.43 30.12

646+00

24.7	27.6	30.9	33.4	33.4	31.9	28.7	25.4	22.3
17	7.8	4.5	2.0	2.0	3.5	6.7	10.0	13.1
20	20	10	3	-7	-10	-20	-30	-40

645+00

24.5	27.5	30.8	33.4	33.4	31.9	28.7	25.3	22.0
19	7.9	4.6	2.0	2.0	3.5	6.7	10.1	13.4
20	20	10	3	-7	-10	-20	-30	-40

644+00

24.5	27.8	30.9	33.5	33.5	32.1	28.7	25.5	22.1
15	7.6	4.5	1.9	1.9	3.3	6.7	10.1	13.3
20	20	10	3	-7	-10	-20	-30	-40

643+00

24.1	27.4	30.5	33.5	33.4	32.1	28.7	25.4	22.2
13	8.0	4.9	1.9	2.0	3.3	6.7	10.0	13.2
20	20	10	3	-7	-10	-20	-30	-40

20.2	15.2	15.2						
20	20	20						

BOH BROS. SURVEY CREW

PERSON ELEV. FINAL X SECT. 36
1:30:85

B.S. H.I. F.S. ELEV.

17.7

35.43

28.1 30.6 47.6 33.3 31.8 28.5

642+08

11.0 7.3 5.1 4.0 2.0 2.1 3.6 6.9
3.0 3.0 1.3 1.0 3 .7 -1.0 -2.0

23.0 22.2

12.3 13.2
-4.0 -4.6

NOTE: AT STA. 642+08 ORIG.

SECTION NO ELEV. PAST

TYPE LEVEL. LEVEL SHOT TAKEN

DAY 22.5 ELEV.

41

ADD'L LEVEL WORK PAST

642+08 AND ZERO AREA SECT.

BOH BROS. SURVEY CORP.

FINAL CROSS SECTIONS 2-1-85

37

	RDNG	ELEV.							
BM		25.0							
WATER HT.	3.2	21.8							
665+00									
666+00									
667+00									
668+00									

18.3	15.2	7.3	7.6	4.3	3.3	4.0	3.0
2.5	6.6	12.5	14.2	17.5	18.5	17.8	18.8
180	170	160	150	140	130	120	110
10.6	11.4	13.0	14.5	17.8	21.8		
0	8.0	7.0	6.0	5.0	4.1		
17.2	15.3	12.8	9.3	5.0	4.0	4.5	4.0
4.6	6.5	9.0	12.5	15.8	17.8	17.3	17.8
180	170	160	150	140	130	120	110
11.5	8.5	12.4	14.0	18.8	21.8		
13.3	9.4	7.8	3.0	0			
90	80	70	60	50	41		
17.4	15.1	11.8	8.6	6.8	4.1	4.0	3.6
6.7	10.0	13.2	15.0	17.7	17.8	18.2	
180	160	150	140	130	120	110	
3.7	6.5	10.8	12.1	14.3	19.3	21.8	
18.1	15.3	11.0	9.7	7.5	2.5	0	
90	80	70	60	50	40	36	
26.1	17.5	14.4	11.3	5.7	4.0	4.5	2.5
4.3	7.4	10.5	16.1	17.8	17.3	19.3	18.7
180	170	160	150	140	130	120	110
12.2	12.9	15.6	19.0	21.8			
8.9	6.2	2.8	0				
90	80	70	60	50	43		

BOX		BROS.	SURVEY CROSS	SECTION	38
		RDNG	ELEV.		2.4.85
BM			25.0		
WATER					
ELEV.		3.9	21.1		
663+00				14.7 6.4 60	12.4 8.7 70
				12.7 7.1 8.4 80	4.0 3.9 17.1 100
				20.4 21.1	17.2 110
				11.7 3.3 14.8	17.2 120
				12.8 9.4 7.8 160	4.8 0.7 0 190
				14.9 14.9 6.2 60	12.2 9.2 8.9 70
670+00				17.5 11.9 11.9 80	7.1 5.8 14.0 90
				20.8 21.1	15.8 100
				11.0 8.1 3.6 150	15.9 110
				13.0 17.5 20.8 180	15.9 120
				11.0 8.1 3.6 170	15.9 130
				13.0 9.7 8.4 160	6.7 6.4 14.7 110
669+00				12.7 11.6 7.6 140	14.7 120
				9.5 13.5 16.9 160	6.4 6.4 14.7 110
				12.7 11.6 7.6 170	0.8 0 21.1
				15.5 11.6 9.0 150	7.6 7.5
668+00				5.4 5.6 9.5 60	7.8 7.6 13.3 80
				12.1 13.3 13.5 70	13.5 100
				13.3 13.3 13.5 80	13.6 110
				7.7 8.0 9.9 140	7.8 7.6 13.3 80
				14.2 18.6 21.1	13.5 100
				13.4 13.1 11.2 130	6.9 2.5 0 170
				6.9 2.5 0 160	2.5 0 0 180

RON BROS. SUZUKY CREEK

NAL FINAL CROSS SECTIONS 2.15.84

DIRECT READING OF WATER

BM
WATER
ELEV.

STA.
662100

WATER ELEV. DIRECT RDNG.

BM.

STA
661100

660100

W. RDNG

0.

4.40

15.7
14.7
10.2

14.3

15.2

16.1

15.9

16.1

13.7

4.9

RDNG.

2.18.85

0.

3.30

12.7
17.1
14.9

13.0

17.4

15.6

16.5

16.1

16.2

5.5

RDNG.

2.18.85

0.

29.9

12.0
29.7
17.1

14.9

13.0

17.4

15.6

16.5

16.1

16.2

5.5

RDNG.

2.18.85

0.

RDNG.

2.18.85

K. REAB, C. DOYLE				BAROMETER ELEVATIONS			
	B.S.	H.I.	F.S.	ELEV.			40 2115.85
BM. 647 ^{NEW} 600	6.56	31.33		24.77			
07			1.44	29.89			
07 GROUND			3.63	27.70			WATER ELEV. = 20.56
08 GROUND			1.16	30.17			WATER GAGE READING AT
08			2.99	28.34			(WATER ELEV. 20.56) = 2.0
BM 113	4.85	34.97		30.12			
18 GROUND			12.18	22.79			
18			DIRECT RDNG.	21.21			
19 GROUND			11.47	23.50			
19			13.03	21.94			
17 GROUND			11.15	23.82			
17			12.85	22.12			
WATER GAGE AT RR.							
BM. RR 1 RR	1.51	30.99		29.48			
WATER ELEV.			10.43	20.56			

BOH BEGS. SURVEY CREAM

DIRECT READING OF WATER ELEV. RD

BM								25.0
WATER ELEV.								21.70 3.3
	21.7	20.4	18.5	16.5	16.5	15.7	14.9	
(671400	226	220	210	200	190	180	170	160
	15.5	17.2	17.0	16.9	17.0	16.1	16.4	16.9
	6.2	4.5	4.7	4.8	4.7	5.6	5.3	4.8
	17.6	20.7	21.7					
	14.1	11.0	11.0					
	18.9	17.9	15.6	14.9	15.5	14.9	16.3	
DISCHARGE BASIS @ RR.	2.8	2.4	6.1	6.8	6.2	6.8	5.4	
	16.7	16.7	17.7	17.1	16.2	15.9	16.3	
	18.1	19.6	21.7					
	13.6	11.0	11.0	4.6	5.5	5.8	5.4	
	10.6	11.0	11.0	120	110	100	90	80

BOH BROS. SURVEY CREW

B.S. H.I. F.S. ELEV.

BM 647100
ANCHOR
GUY Nbr 9.96 34.73 9.96 24.77

648100

647100

646100

645100

BACKSIGHT LEVER FINAL X SEAT 42 2:22:25

30.5	1.5	1.6	5.4	8.9	11.7	12.5
232	232	210	200	190	186	
30.1	33.1	33.2	29.4	26.2	23.9	22.2
4.6	1.6	1.5	5.1	8.3	11.7	12.5
240	222	222	210	200	190	186
30.0	33.3	33.3	29.7	26.0	22.8	22.3
4.7	1.4	1.4	5.0	8.7	11.9	12.4
240	222	222	210	200	190	186
33.3	33.5	29.7	26.2	23.4	22.4	22.4
5.2	1.4	1.2	5.0	8.5	11.3	12.3
240	232	222	210	200	190	186

BOH BROS. SURVEY CREW A

WATER ELEV. = 21.3

668+00

CANAL FINAL CROSS SECT. 45 3.11.85

19.8	18.0	13.7	9.9	7.9	7.8	7.9	7.9	7.8
1.5	3.3	7.6	11.4	13.4	13.5	13.4	13.4	13.5
180	170	160	150	140	130	120	110	100

8.0	8.7	11.1	15.4	19.8	21.3			
2.3	12.6	10.2	11.9	1.5	0			
80	70	60	50	40	39			

WATER ELEV. = 21.2

654+00

3.13.85

19.2	15.7	13.3	12.0	8.4	4.9	5.2	4.4	4.7
2.0	5.5	7.7	9.2	12.8	16.3	16.0	16.8	16.5
180	170	160	150	140	130	120	110	100

9.1	12.2	16.0	18.7	21.2				
12.1	9.0	5.2	2.5	10				
80	70	60	50	43				

653+00

18.8	14.8	13.2	11.2	6.7	4.4	3.1	3.5	
2.4	6.4	8.0	10.0	14.5	16.8	18.1	17.7	
180	170	160	150	140	130	120	110	

4.2	8.4	11.5	15.7	18.2	21.2			
17.0	12.8	9.7	5.5	3.0	0			
90	80	70	60	50	42			

652+00 WATER ELEV. = 21.4

3.18.85

19.7	16.0	13.0	9.3	6.4	3.7	3.6	4.5	5.3
1.7	5.4	8.4	12.1	15.0	17.7	17.8	16.9	16.1
180	170	160	150	140	130	120	110	100

7.4	13.4	14.8	17.3	21.4				
12.0	8.0	6.6	4.1	0				
80	70	60	50	39				

BON BROS. SURVEY C.B.D.W.

WATER ELEV. = 21.4

651+00

FINAL FINAL CROSS SECTION

46
3.18.85

2.81	15.1	10.9	9.8	5.9	4.0	4.0	3.9	4.0
8.2	6.3	10.5	11.6	5.5	17.4	17.4	17.5	17.4
180	170	160	150	40	130	120	110	100
9.0	12.1	14.8	17.6	21.4				
12.4	9.3	6.6	3.8	0				
80	70	60	50	39				

WATER ELEV. = 21.2

650+00

FINAL FINAL CROSS SECTION

3.26.85

18.5	15.8	13.8	12.8	5.2	4.3	4.5	4.7	4.7
14	5.4	7.4	8.4	16.0	16.9	16.7	16.5	16.5
180	170	160	150	140	130	120	110	100
9.2	11.4	14.0	17.3	21.2				
12.0	9.8	7.2	3.9	0				
80	70	60	50	39				

649+00

18.7	13.9	12.3	11.5	3.6	4.6	5.2	5.1	3.7
8.3	7.3	8.4	9.7	17.6	16.6	16.0	16.1	17.5
180	170	160	150	140	130	120	110	100
10.2	11.6	15.6	18.1	21.2				
11.0	9.6	5.6	3.1	0				
80	70	60	50	40				

648+00

18.2	14.4	10.9	9.9	3.7	3.9	3.9	3.9	3.7
8.0	6.8	10.3	11.3	17.5	17.3	17.3	17.3	17.5
180	170	160	150	140	130	120	110	
4.4	8.9	12.2	14.4	17.2	21.2			
16.8	12.3	9.0	6.8	4.0	0			
70	80	70	60	50	38			

BOH BROS. SURVEY CROSS SECTIONS

WATER ELEV. = 21.2

653+00

ANAL. CROSS SECTIONS								47
19.4	15.8	12.7	10.8	7.0	5.6	5.4	5.3	3.26.85
<u>11.8</u>	<u>5.4</u>	<u>8.5</u>	<u>10.6</u>	<u>12.2</u>	<u>15.6</u>	<u>15.8</u>	<u>15.9</u>	<u>15.9</u>
180	170	160	150	140	130	120	110	100

658+00

19.7	16.0	12.2	8.2	6.2	5.8	5.8	6.0	6.4
<u>10.9</u>	<u>7.5</u>	<u>5.0</u>	<u>2.4</u>	<u>10</u>				
80	70	60	50	41				
180	170	160	150	140	130	120	110	100

663+00

18.2	11.0	5.8	1.5	2.2	5.8	5.8	6.0	6.4
<u>10.0</u>	<u>10.2</u>	<u>5.4</u>	<u>1.5</u>	<u>0</u>				
80	70	60	50	45				
180	170	160	150	140	130	120	110	100

WATER ELEV. = 22.2

667+00

20.2	15.4	12.8	10.2	6.6	5.7	5.8	5.4	
<u>1.0</u>	<u>5.8</u>	<u>8.4</u>	<u>11.0</u>	<u>14.6</u>	<u>15.5</u>	<u>15.4</u>	<u>15.8</u>	
190	180	170	160	150	140	130	120	

17.4	14.6	11.4	9.2	7.2	5.8	5.2		
<u>5.4</u>	<u>6.7</u>	<u>13.2</u>	<u>13.5</u>	<u>15.6</u>	<u>19.8</u>	<u>21.2</u>		
100	90	80	70	60	50	45		
180	170	160	150	140	130	120		

17.7	17.3	14.4	11.3	10.2	7.3	2.7	0	22.2
<u>4.5</u>	<u>4.9</u>	<u>7.8</u>	<u>10.9</u>	<u>12.0</u>	<u>14.9</u>	<u>19.5</u>	<u>22.2</u>	
100	90	80	70	60	50	40	30	

BOH BROS. SURVEY CREW

WATER ELEV. = 22.2

668+00

CANAL CROSS SECT.

48

3.27.85

21.7	18.2	14.2	10.3	8.2	8.6	8.5	8.3	8.0
3.9	4.0	8.0	11.9	14.0	13.6	13.7	13.9	14.2
180	170	160	150	140	130	120	110	100
8.2	9.0	11.7	16.0	20.7	22.2			
14.0	13.2	10.5	6.2	1.5	0			
80	70	60	50	40	34			
21.0	17.1	13.9	10.5	9.4	8.2	6.9	7.4	6.8
5.2	5.1	8.3	11.7	12.8	14.0	13.3	14.8	15.4
180	170	160	150	140	130	120	110	100
7.8	9.4	15.2	18.2	21.0	22.2			
14.4	12.8	9.0	4.0	1.2	0			
80	70	60	50	40	36			

669+00

CANAL FINAL CROSS SECT.

3.29.85

WATER ELEV. = 21.4

647+00

18.0	14.7	13.0	9.0	4.4	3.9	4.0	4.4	4.4
3.4	6.7	8.4	12.4	17.0	17.5	17.4	17.0	17.0
180	170	160	150	140	130	120	110	100
9.2	11.7	14.3	17.2	20.4	21.4			
12.2	9.7	7.1	4.2	1.0	0			
80	70	60	50	40	37			

B.S. HI. F.S. ELEV.

B.M 5.01 35.64 30.63

ORLEANS LEVER FINAL X SECT.

644+00

24.5	29.4	33.0	33.1	27.5	25.7	22.6	21.8
19.1	6.2	2.6	2.5	6.5	9.4	13.0	13.8
250	240	232	222	210	200	190	187

BOH BROS. SURVEY CREW

WATER ELEV. = 21.3

646+00 PARTIALLY COMPLETED SECTION

WATER LEVEL = 21.2
COMPLETED SECTION 4.2.85

4.3.85 WATER LEVEL = 21.1

4.4.85 PAYM'T. SECT. WATER LEVEL = 20.4

49

STUDY STA. 646+00		4.1.85	
15.1	12.5	8.9	4.8
16.2	8.8	12.4	16.5
17.0	16.0	17.6	18.5
17.3	20.8	21.3	
18.0	0.15	0	
19.0	4.0	3.8	
20.0	11.6	8.9	3.4
21.0	9.6	12.3	17.8
22.0	17.2	17.4	18.4
23.0	4.0	17.1	17.2
24.0	0.4	17.1	11.8
25.0	14.0	12.2	6.9
26.0	7.1	10.9	14.2
27.0	8.4	16.7	18.2
28.0	17.2	17.0	16.7
29.0	0.209	16.5	12.4
30.0	3.9	16.9	8.7
31.0	4.0	21.1	
32.0	15.3	9.4	4.4
33.0	12.0	3.6	4.2
34.0	8.1	4.0	3.9
35.0	8.4	16.4	16.8
36.0	11.0	16.2	15.8
37.0	16.0	16.4	11.9
38.0	17.1	16.8	8.9
39.0	20.4	16.5	
40.0	3.3	15.8	
41.0	0	11.9	
42.0	3.9		

BON BROS. SURVEY CREW

646+00 4.8.85 WATER LEVEL = 21.0

4.16.85 WATER ELEV. = 21.0

6 646+00

STUDY STA 646+00

15.3	11.7	8.6	5.2	4.2	4.3	4.5	4.5	5.4	9.6
6.5	10.1	13.2	16.6	17.6	17.5	17.3	17.3	16.4	12.2
170	160	150	140	130	120	110	100	90	80
17.4	20.3	21.8							
4.4	1.5	1.0							
50	40	30							
4.6	11.9	9.2	5.7	4.9	4.7	5.0	5.0	5.3	
17.4	11.1	11.8	19.5	16.1	16.3	16.0	16.0	13.7	
170	160	150	140	130	120	110	100	90	
14.2	17.1	20.4	21.2						
6.5	13.9	9.6	10						
170	160	150	140						

BON BROS. SURVEY CREW

WATER LEVEL = 20.4

646+00

4. 8.85 WATER LEVEL = 21.8

645+00

4. 16.85 WATER ELEV. = 21.0

644+00

643+00

AL. FINAL CROSS SECT. 51

15.3	12.0	9.4	4.4	3.6	4.2	4.0	3.9	4.6	8.9
<u>5.1</u>	<u>8.4</u>	<u>11.0</u>	<u>16.0</u>	<u>16.8</u>	<u>16.2</u>	<u>16.4</u>	<u>16.5</u>	<u>15.8</u>	<u>11.5</u>
170	160	150	140	130	120	110	100	90	80

17.1	20.4								
<u>5.3</u>	<u>10</u>								
50	39								

15.0	11.7	11.0	5.3	4.4	4.7	4.8	4.9	4.9	9.2
<u>6.8</u>	<u>10.1</u>	<u>10.8</u>	<u>16.5</u>	<u>17.4</u>	<u>17.1</u>	<u>17.0</u>	<u>16.9</u>	<u>16.9</u>	<u>12.6</u>
170	160	150	140	130	120	110	100	90	80

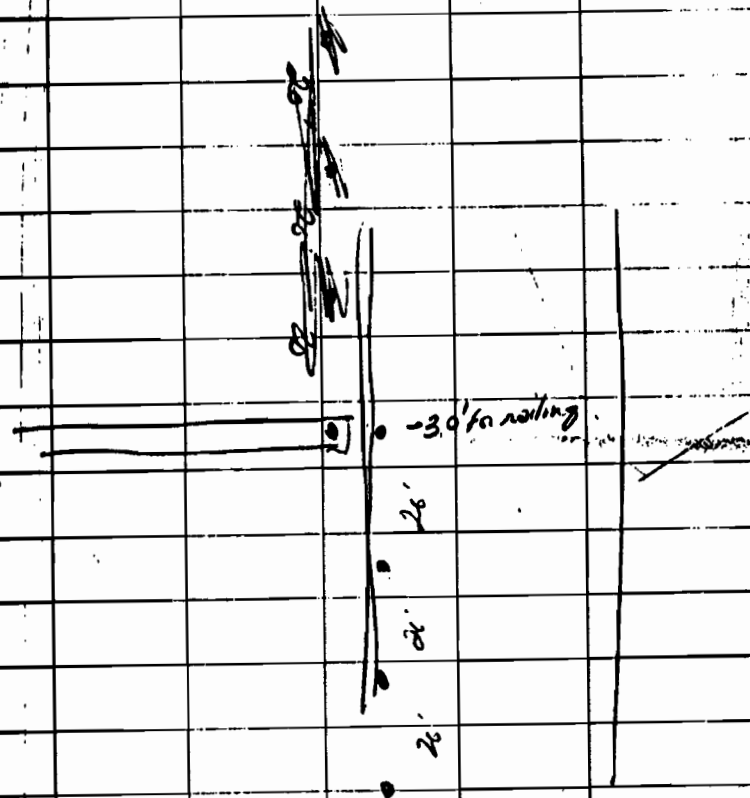
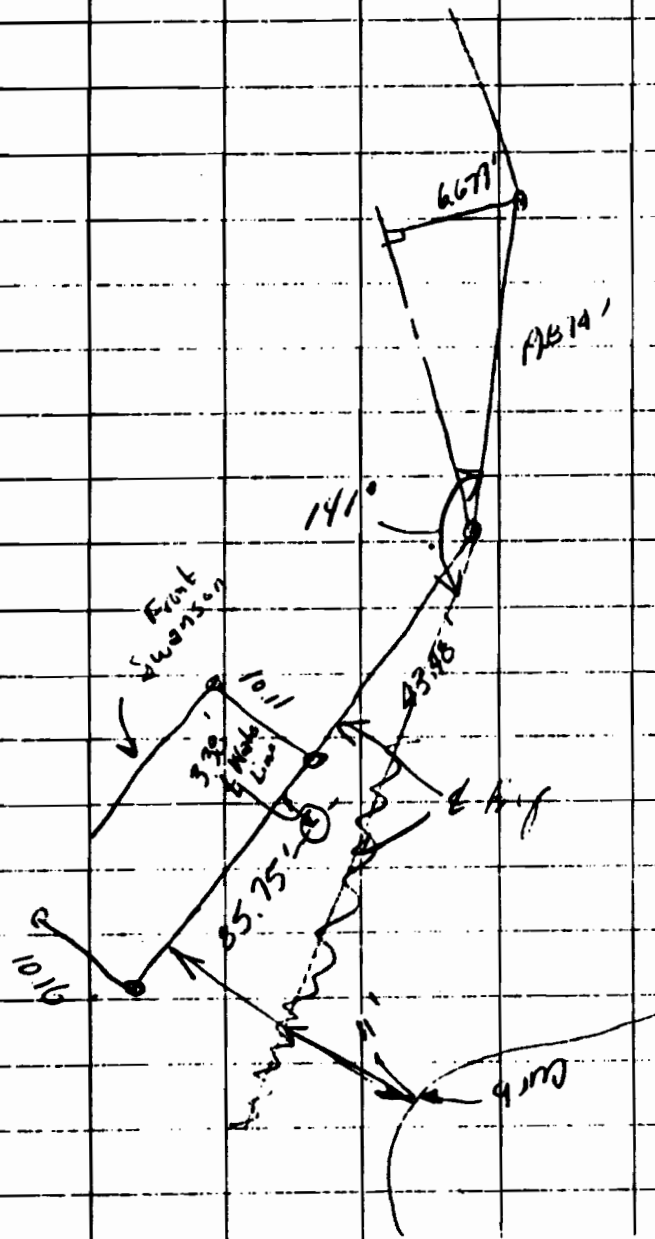
16.6	20.3	21.8							
<u>5.2</u>	<u>11.5</u>	<u>10</u>							
50	40	34							

14.3	10.5	10.2	5.0	5.0	5.0	4.3	4.3	3.8	8.7
<u>5.7</u>	<u>10.5</u>	<u>10.8</u>	<u>16.0</u>	<u>16.0</u>	<u>16.0</u>	<u>16.7</u>	<u>16.7</u>	<u>17.2</u>	<u>12.3</u>
170	160	150	140	130	120	110	100	90	80

16.2	20.2	21.0							
<u>4.8</u>	<u>0.6</u>	<u>10</u>							
50	40	38							

15.0	11.0	8.3	6.2	4.2	4.1	4.1	4.3	4.2	9.7
<u>6.0</u>	<u>10.0</u>	<u>12.7</u>	<u>14.8</u>	<u>16.8</u>	<u>16.9</u>	<u>16.9</u>	<u>16.7</u>	<u>16.8</u>	<u>11.3</u>
170	160	150	140	130	120	110	100	90	80

15.8	20.1	21.0							
<u>5.2</u>	<u>0.9</u>	<u>10</u>							
50	40	37							



INDEX

Property of MODJESKI & MASTERS

CONSULTING ENGINEERS

Address 1055 ST. CHARLES AVE.

ROOM 510 - N.O. LA. 70130 54143 → 55278

Telephone 524-0644/524-0645

670400 →

Run Baseline	1-9
Reference PI's	10-14
Topo - Jefferson Side ^{UTILITIES} _{LOCATED}	15-56
Reference PI's @ Bucktown	57-59
Bench Mark Levels	60-67
Topo Water's Edge @ Bucktown	68
Sections - Jeff Side	69-92
Sections - Orleans Side	93-98
Bridge Elevations	99-102
OFFSETS FOR SOUNDINGS	103-106
Bridge Topo & Elevations	107-120
Dist From R. Jeff. to Cause Wall Orleans	121-122
Section Orleans Side	123-132
Topo Orleans Side	132-134
Topo Orleans Side	135-137
Levels for Soundings	138-140
Local SP Wall - Or. side in Bucktown	141-143

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

9/6/79

MIKE - NORM
FRANK - LARRY

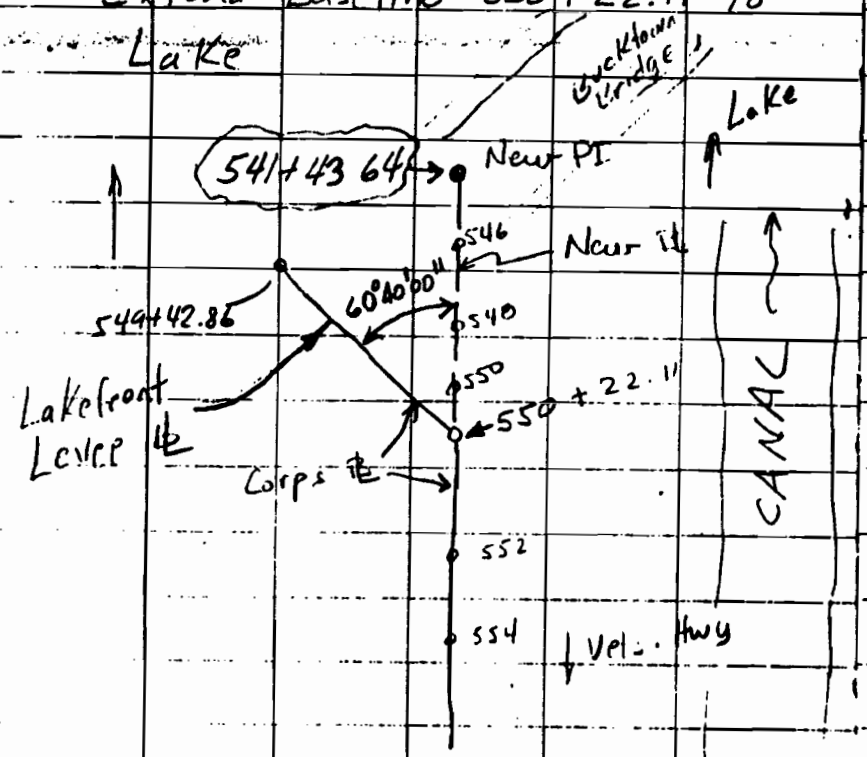
Ran Baseline 587 - 625

9/7/79

Ran Baseline 625 - 638

Couldn't find Corps points @ Vets & I-10

Extend Baseline 550+22.11 to
Lake



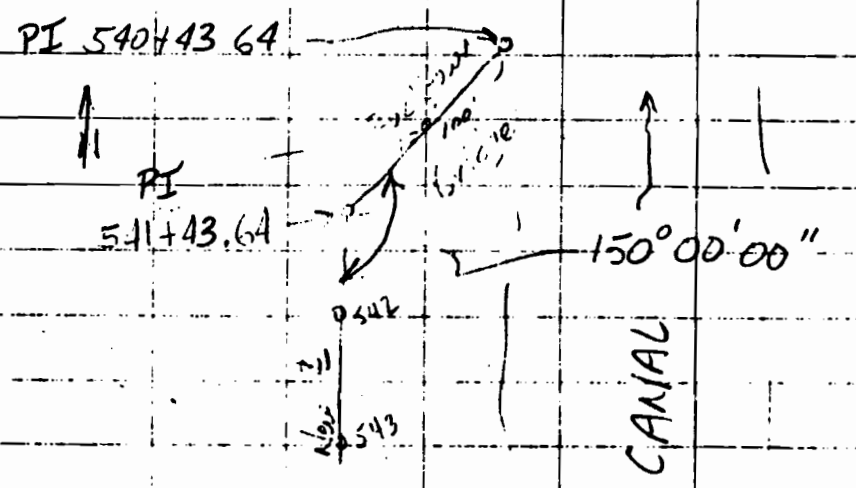
~~Set new PI - nail in pavement
(at [unclear] Ave) near mailbox & [unclear]
Bridge sign.~~

Set new PI - nail w/ flagging
in railing of Bucktown Bridge.

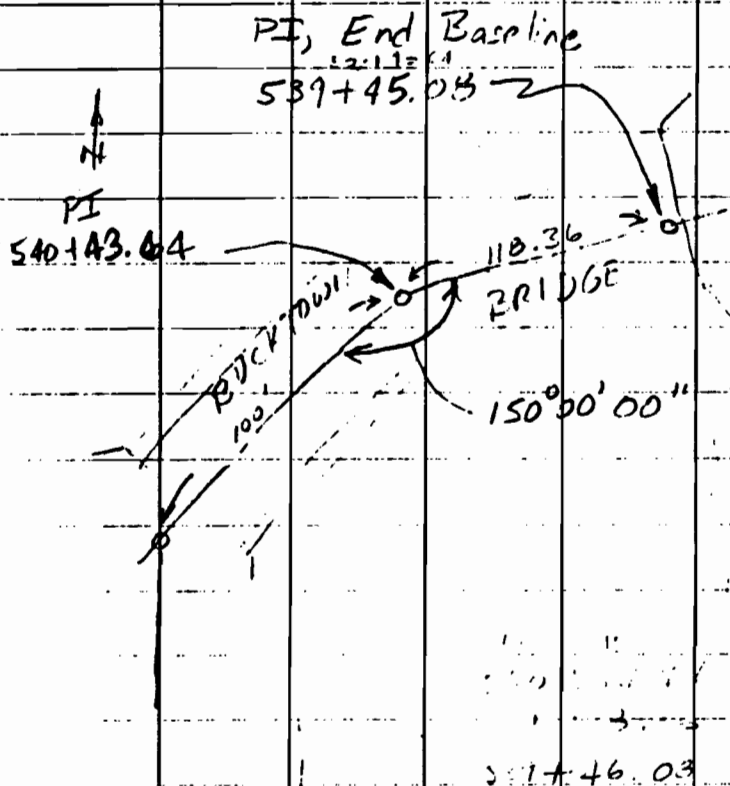
9/10/79

NORM - FRANK
JORGE - LARRY

Ran Baseline 550+22.11 - 539+45.08

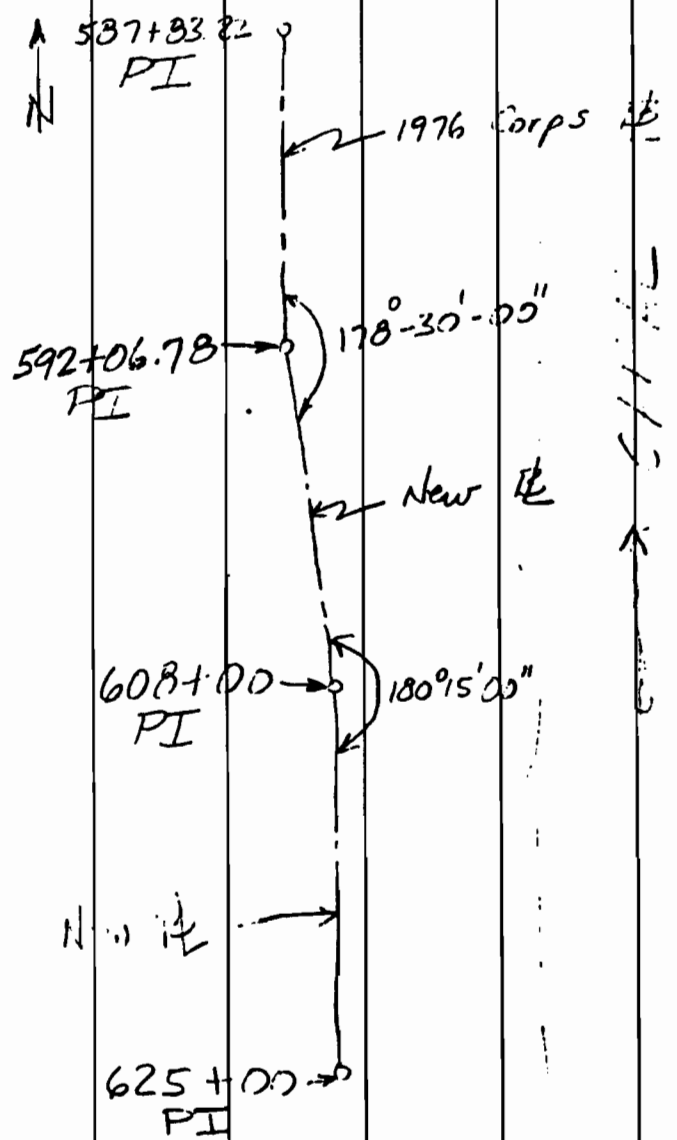


3

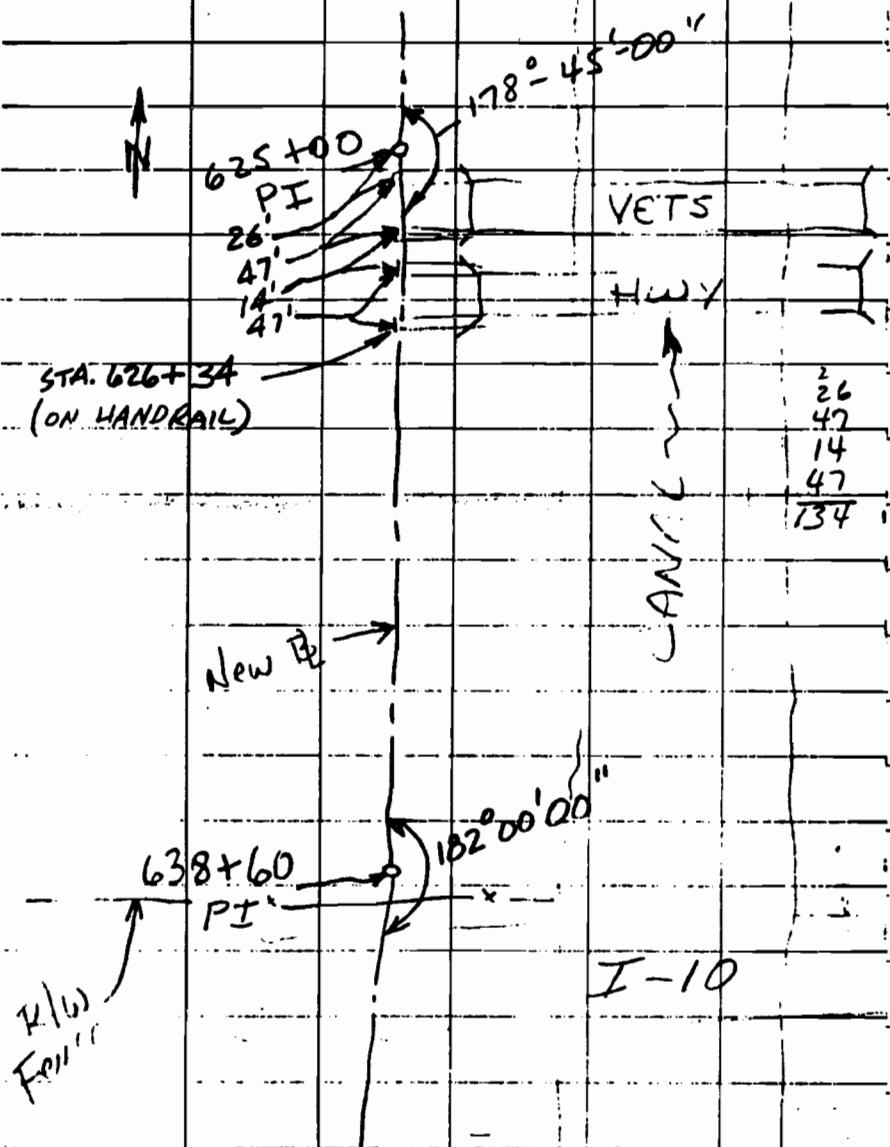


537+46.03

Run Baseline from 592+06.78 - South



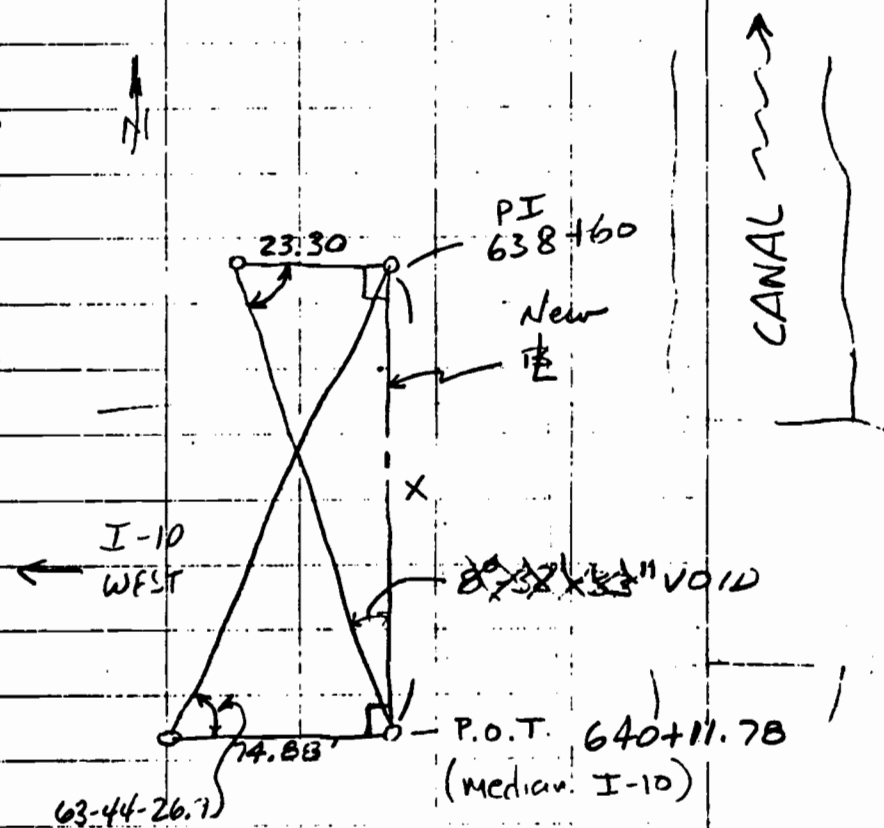
5



8° 37' 27"

6

9/11/79 Run Baseline: 638+60 to
Pumping Station



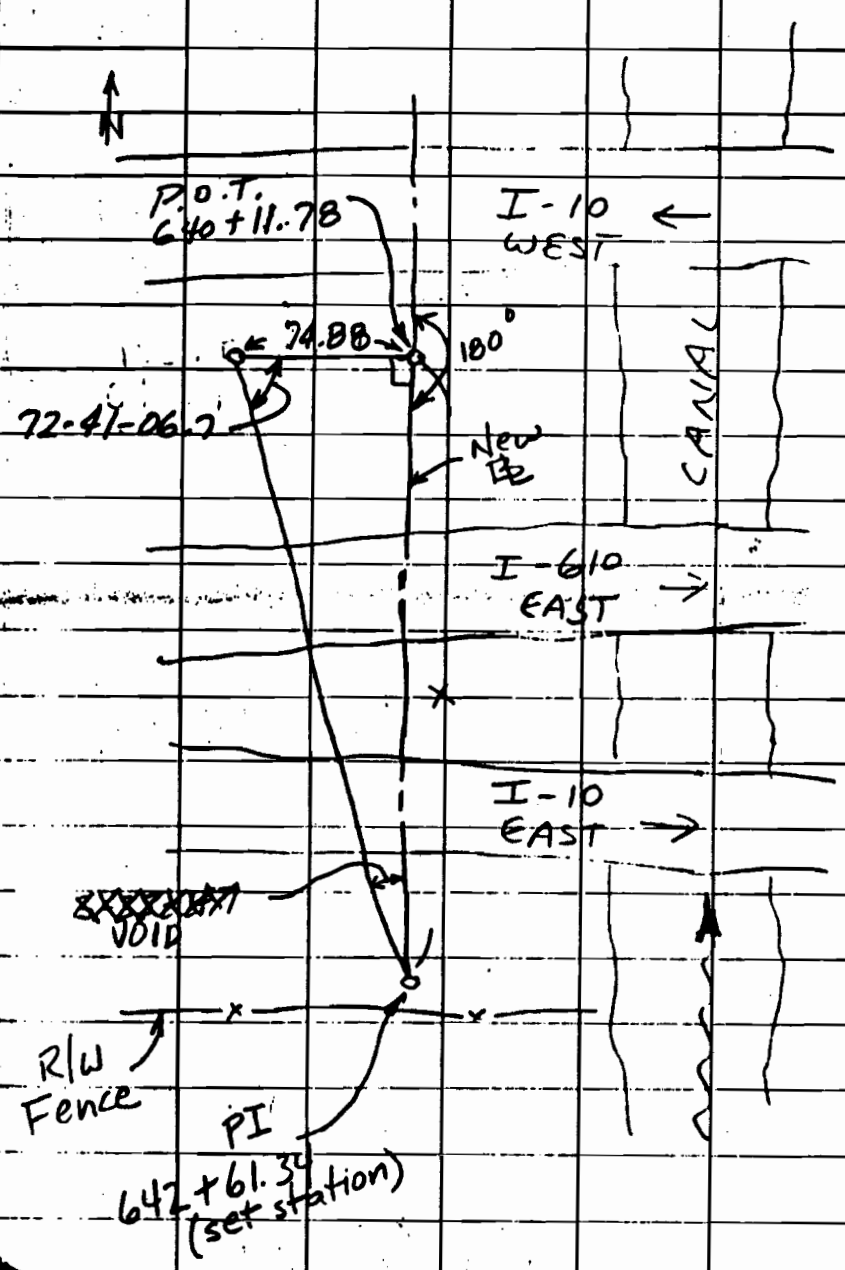
$$\tan 63-44-26.7 = \frac{x}{74.88}$$

$$x = 151.78'$$

$$P.O.T. = 638+(60) + (151.78) = 640+11.78$$

7

B

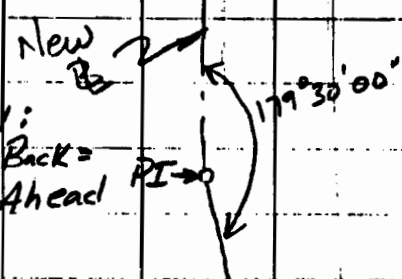


$$\tan 72-41-06.7 = \frac{x}{74.88}$$

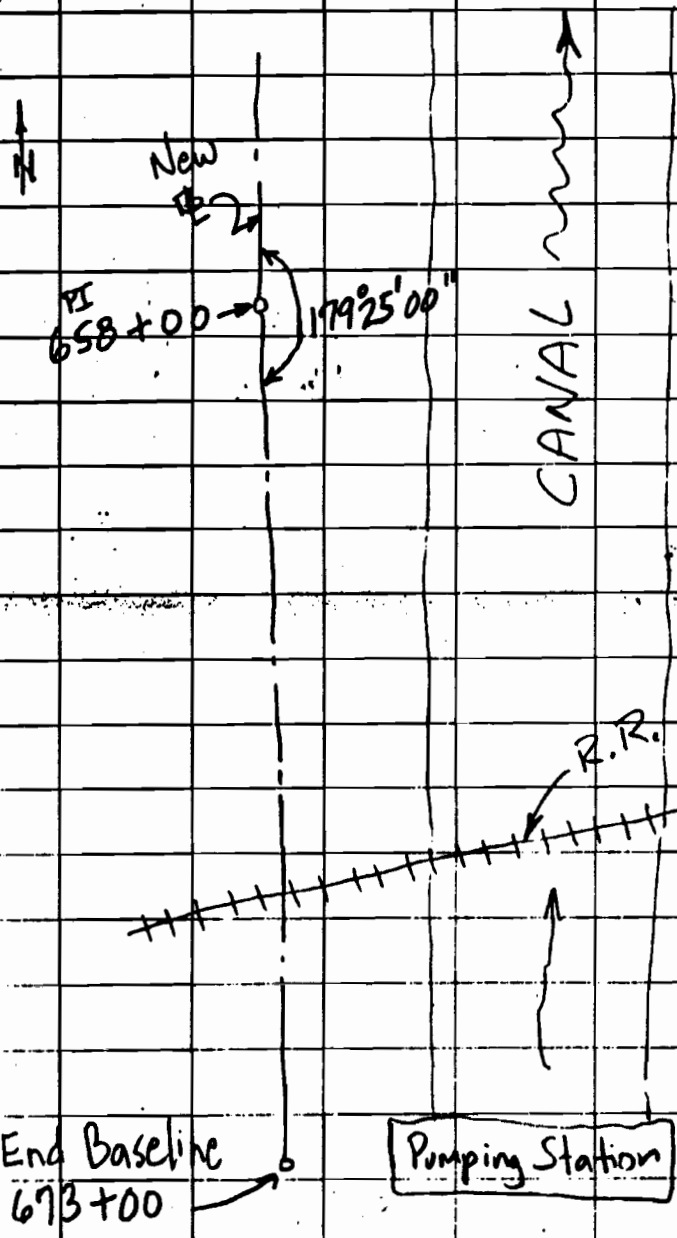
$$x = 240.19'$$

$$\begin{array}{r} 640+11.78 \\ + \quad 2+40.19 \\ \hline 642+51.97 - \end{array}$$

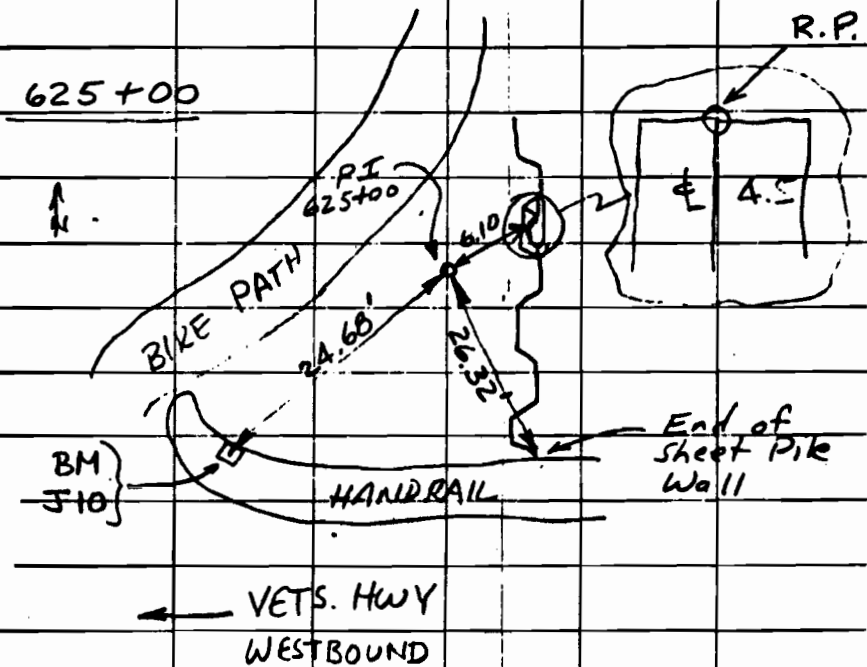
EQUATION:
 642+51.97 Back =
 642+61.34 Ahead PI



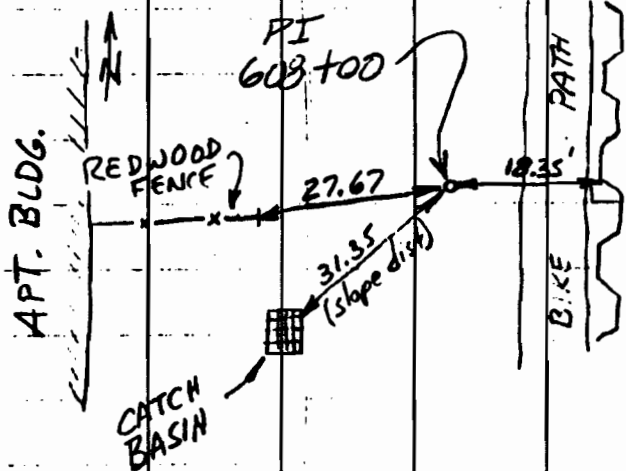
PI
 658+00



Reference PI's

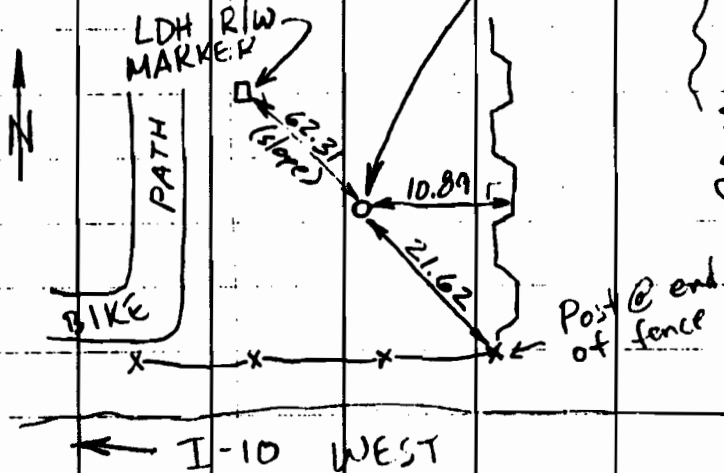


608+00

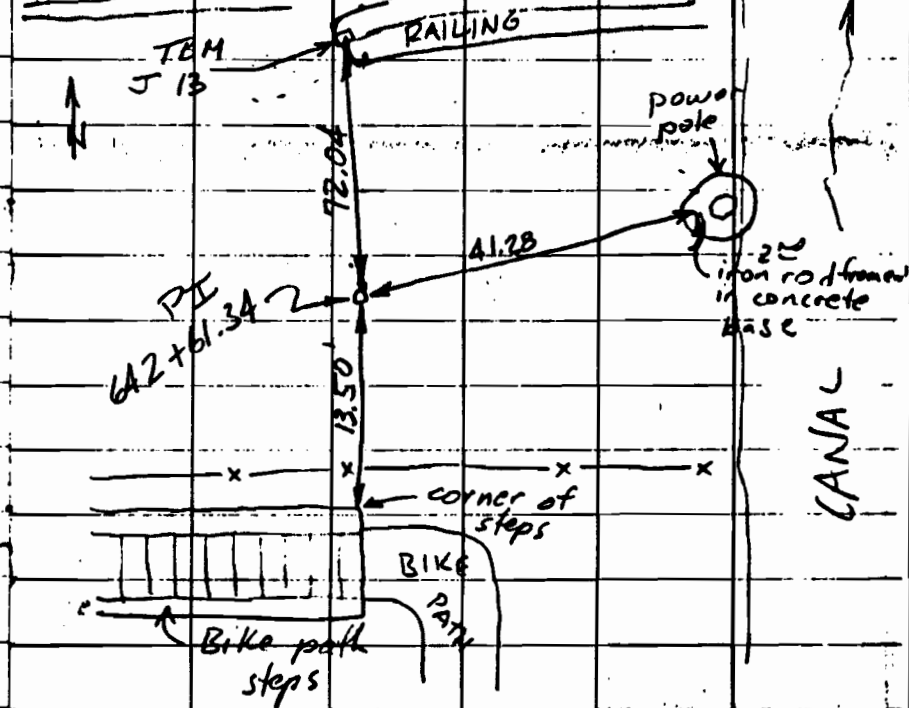


9/12/79

638+60



642+61.34



CANAL

CANAL

CANAL

13

658+00

673+00



PARKING LOT
hole in center
13th parking barrier from south end

150.85

67.78

PI 658+00

63.68

BIKE PATH

power pole

end of iron rod

CANAL

BRICK BLDG

SHELL ROAD

BIKE PATH

70.10

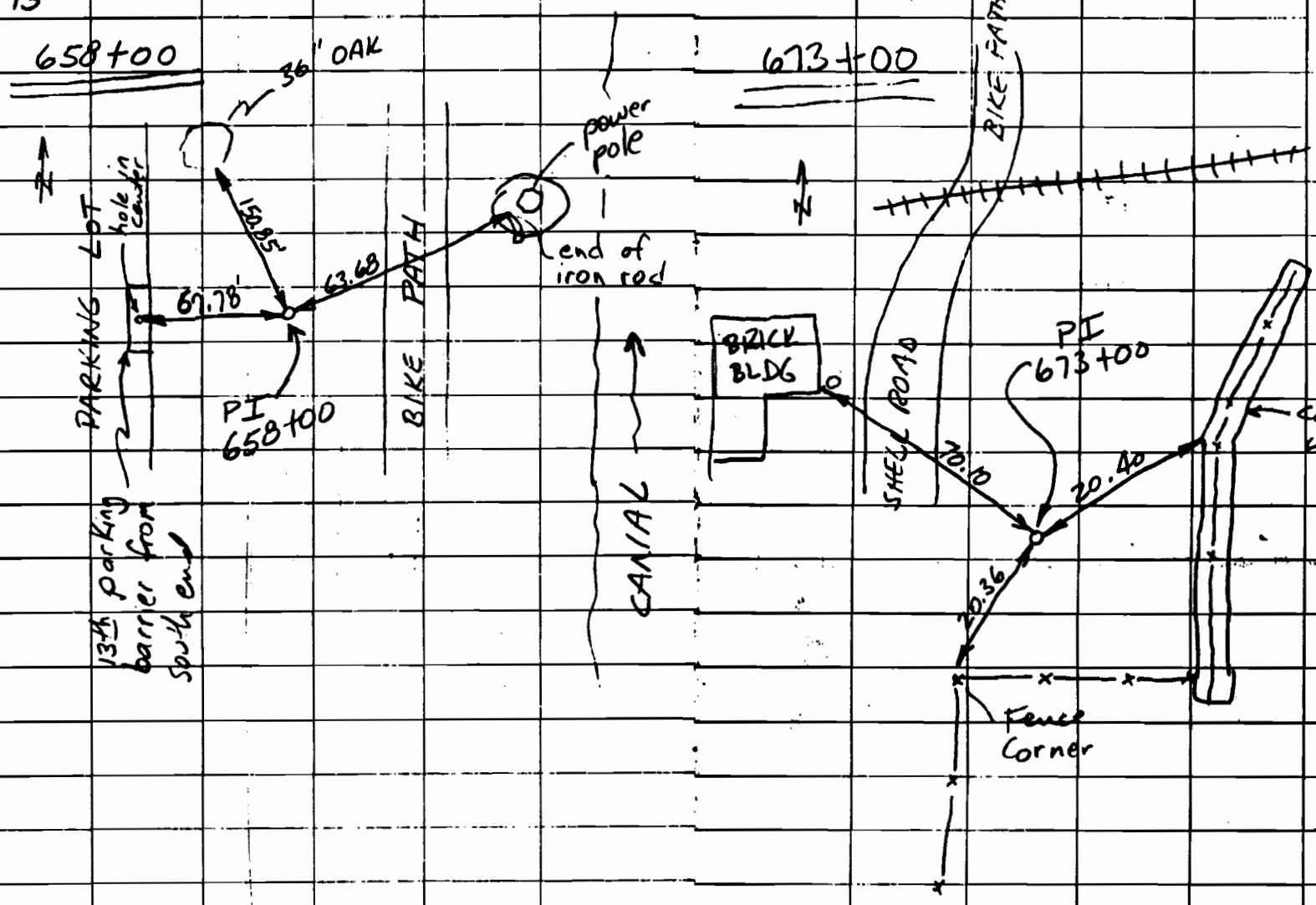
PI 673+00

20.40

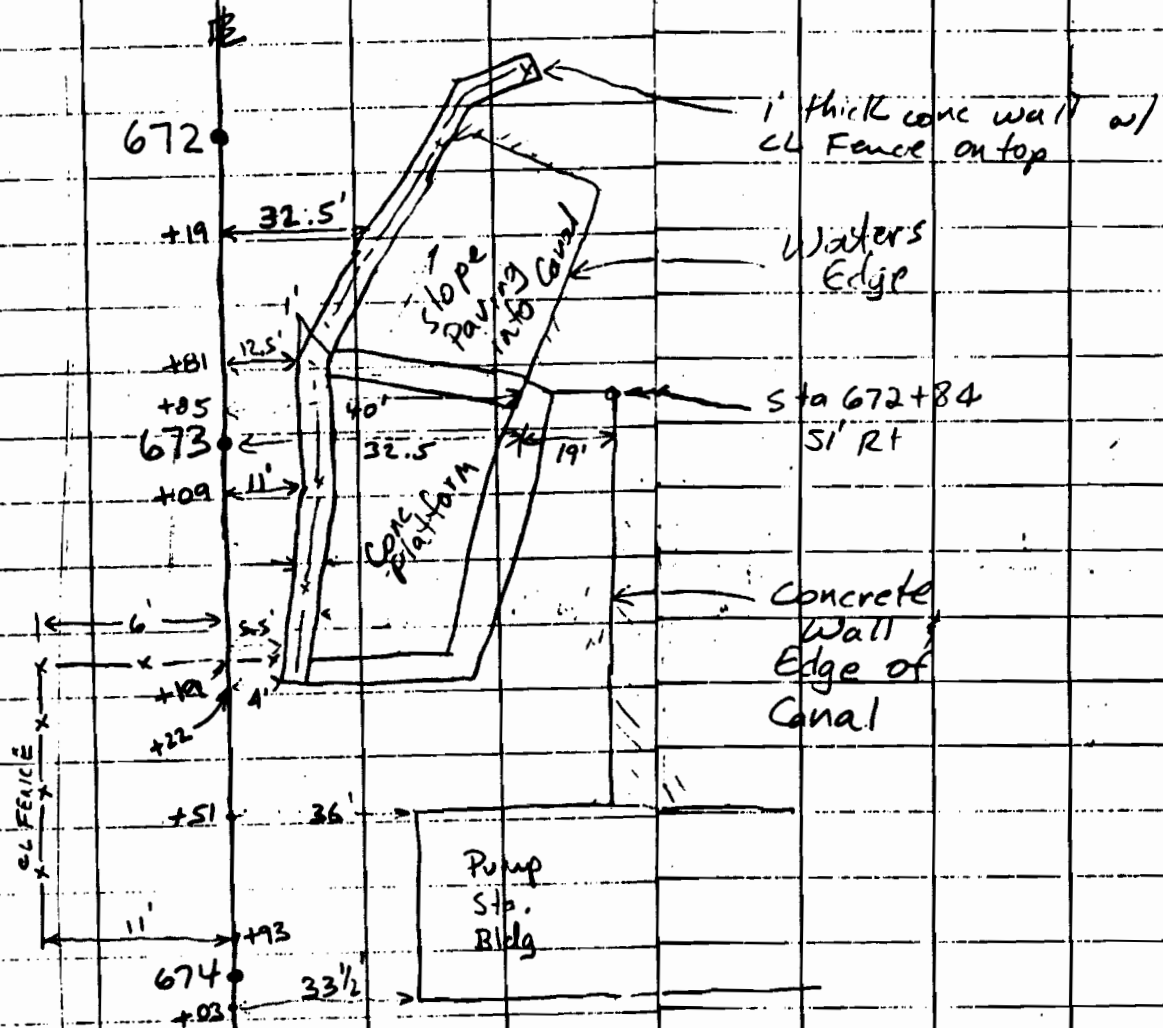
20.36

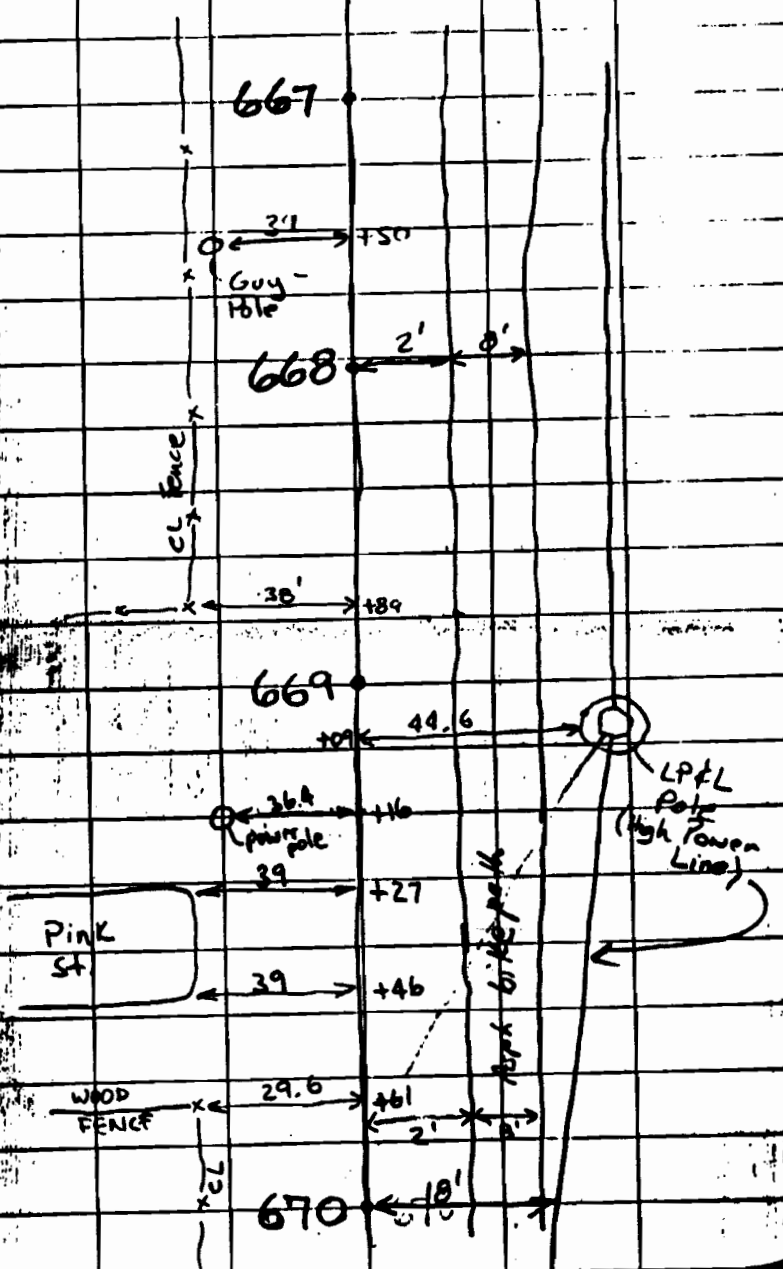
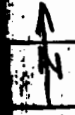
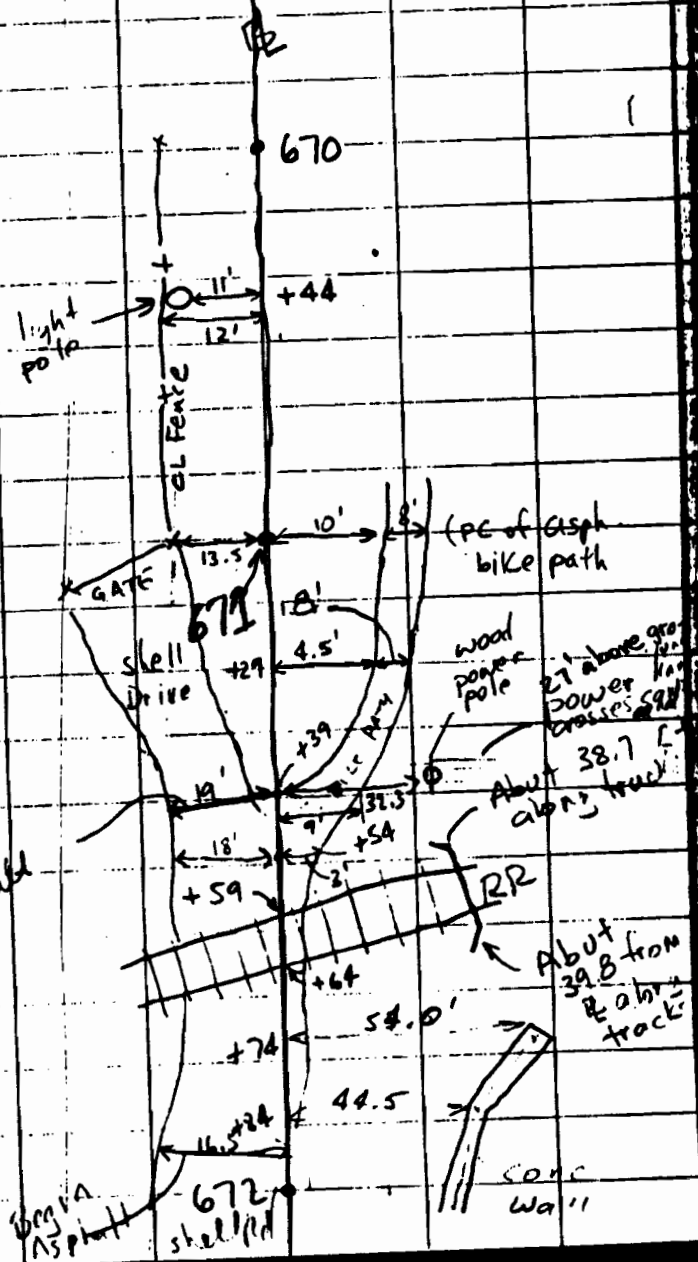
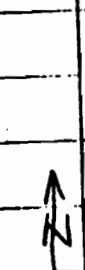
concrete wall

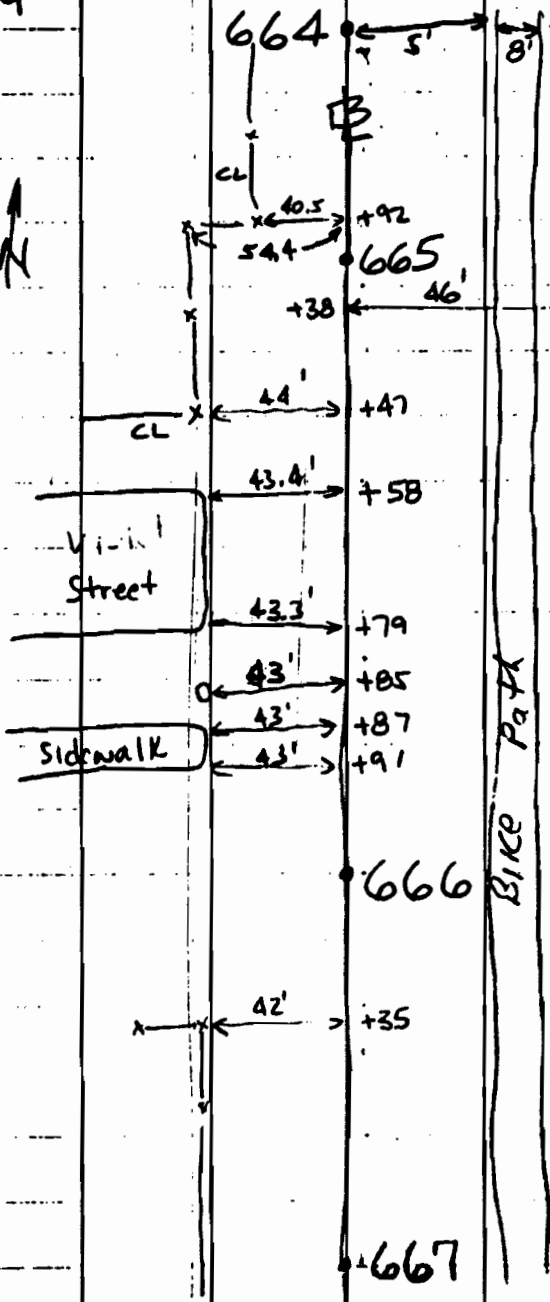
Fence Corner



TOPO - JEFF SIDE

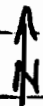
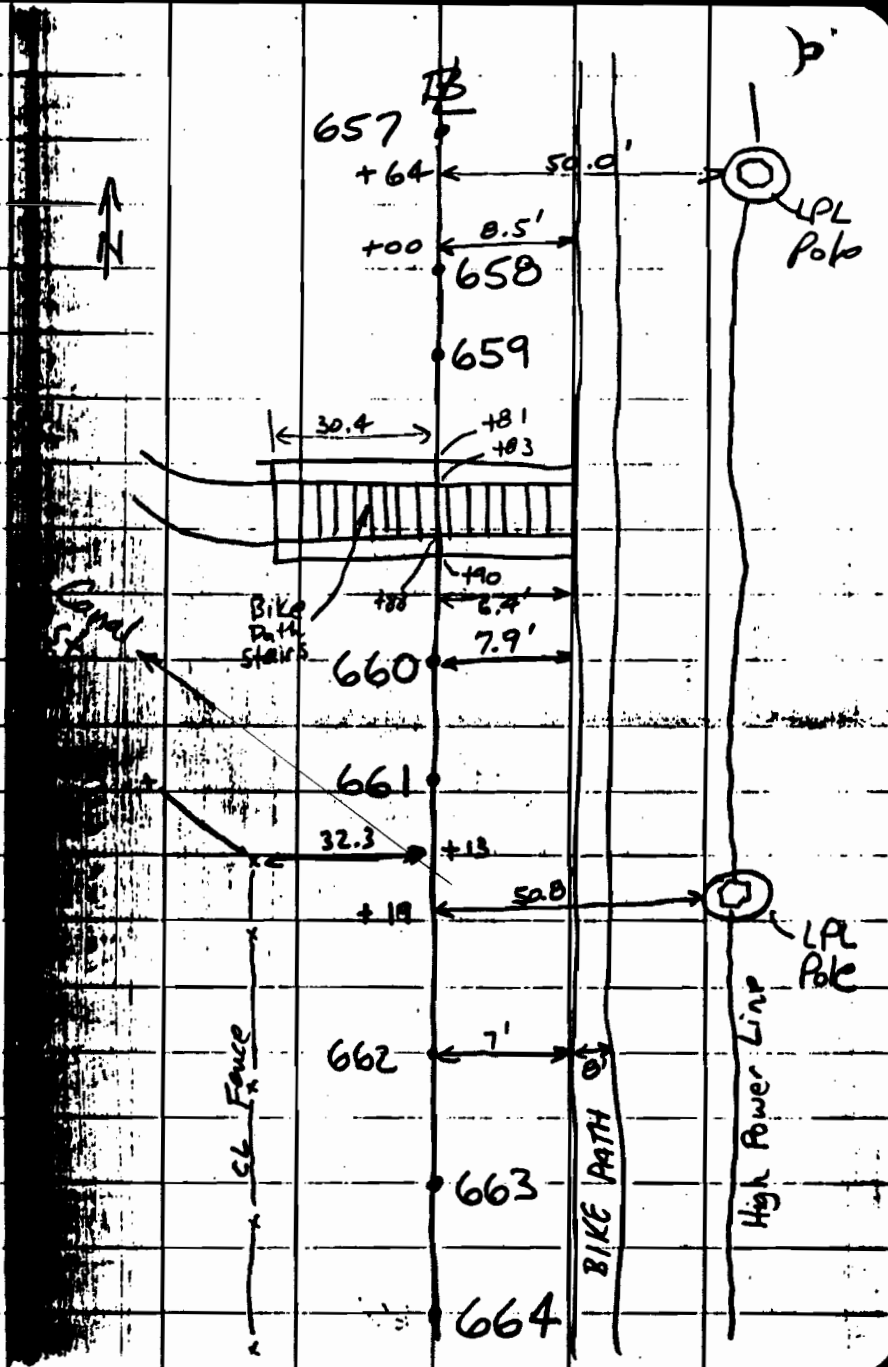






High Power Line

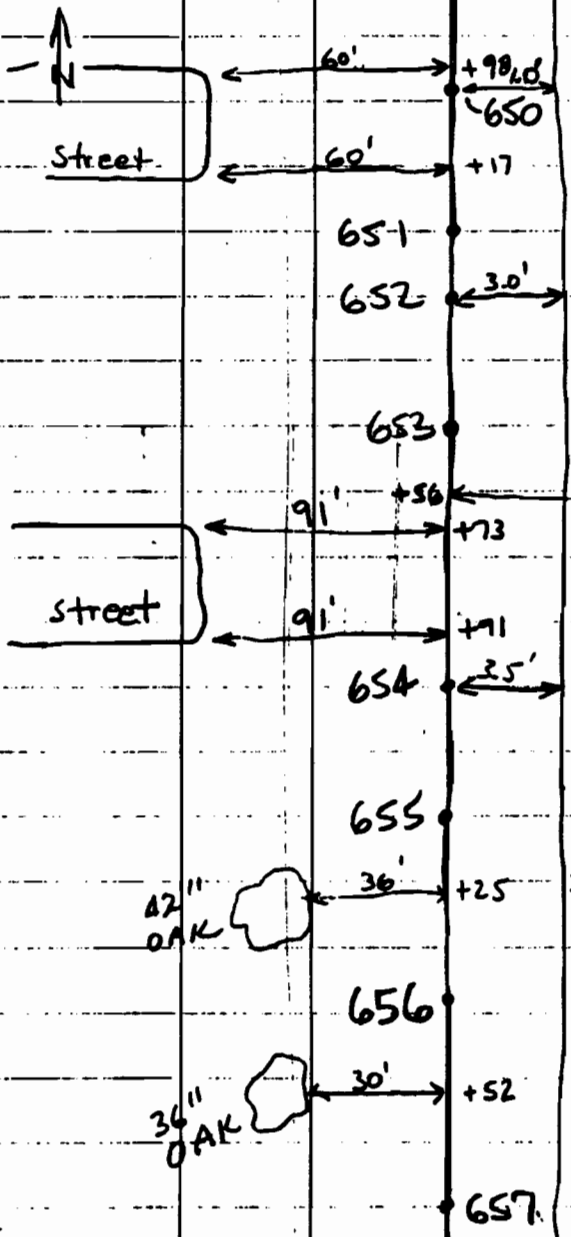
BIKE PATH



High Power Line

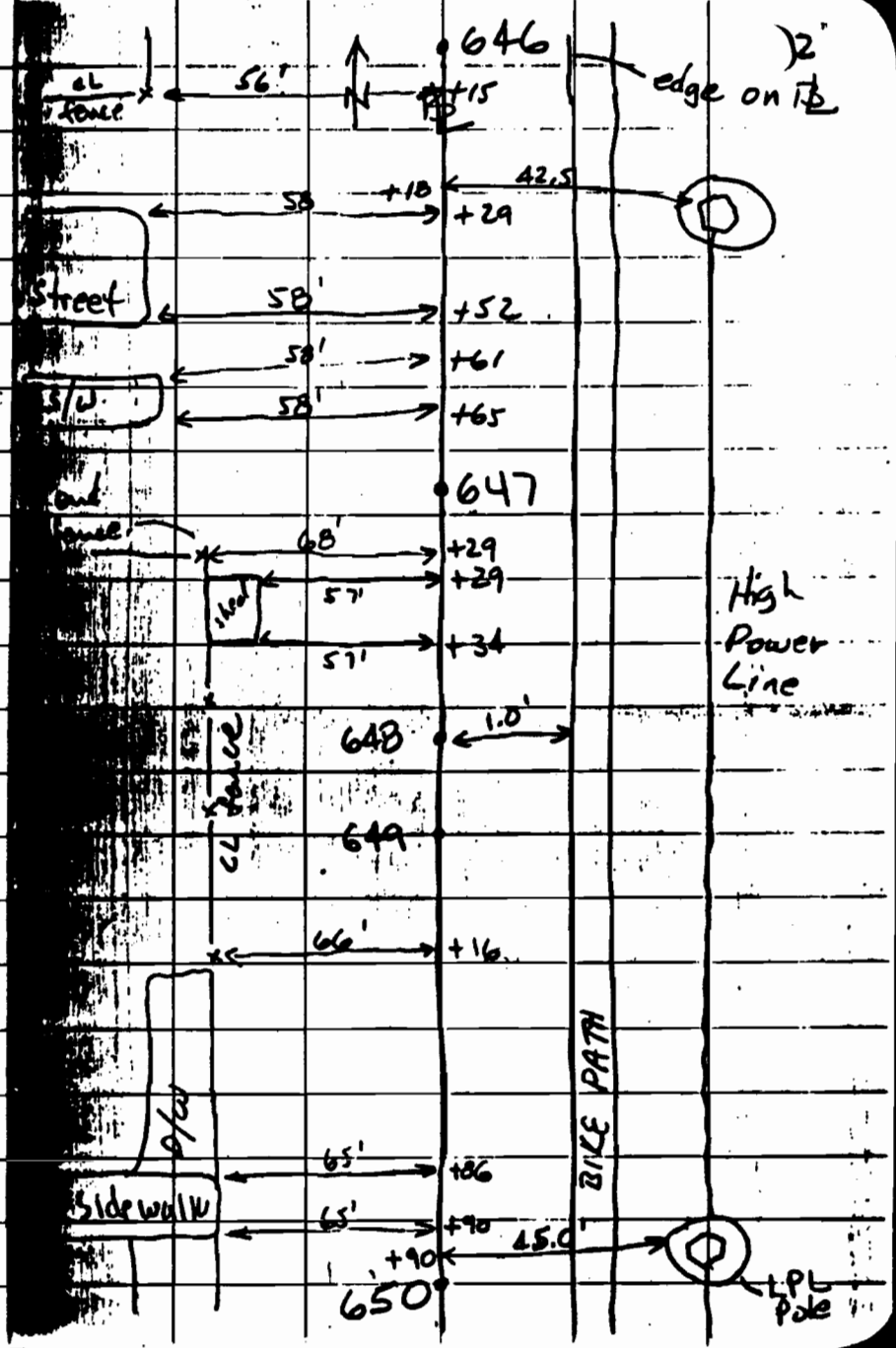
BIKE PATH

21



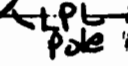
Bike Path

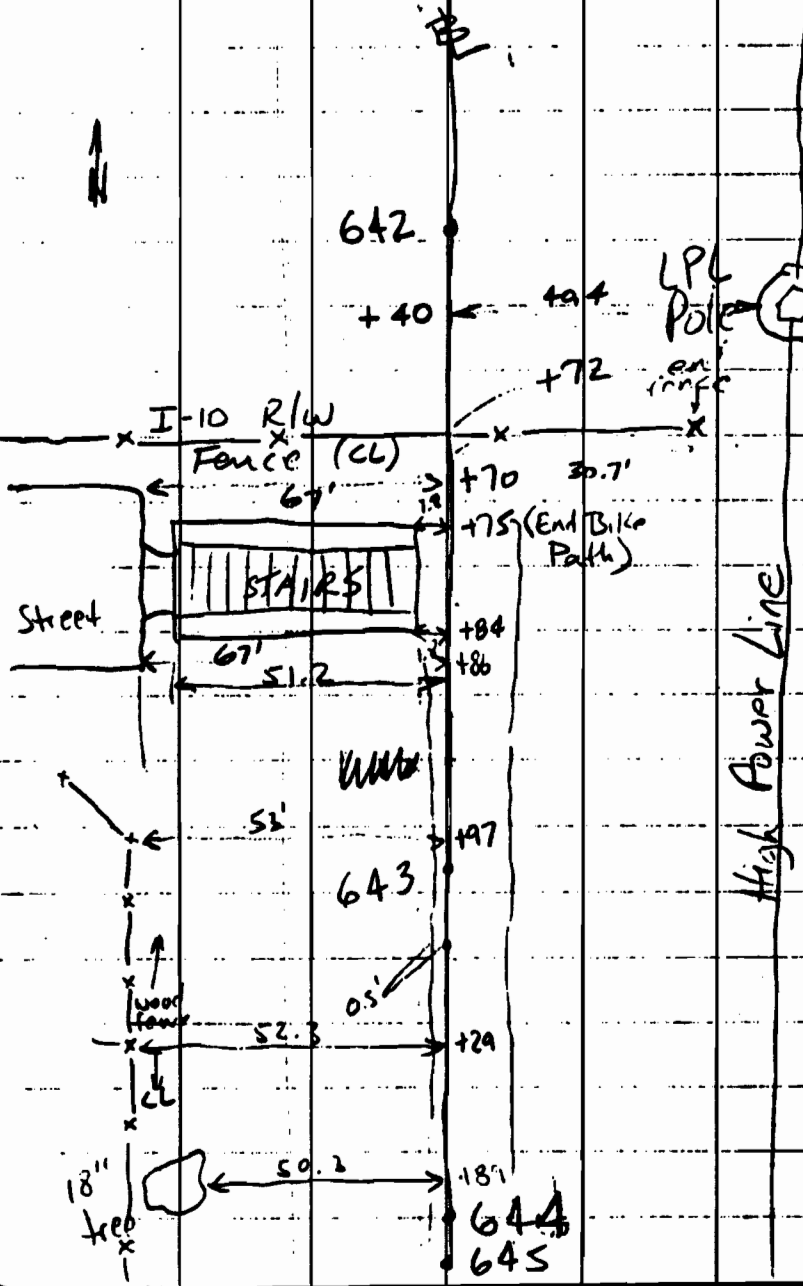
High Power Line



Bike Path

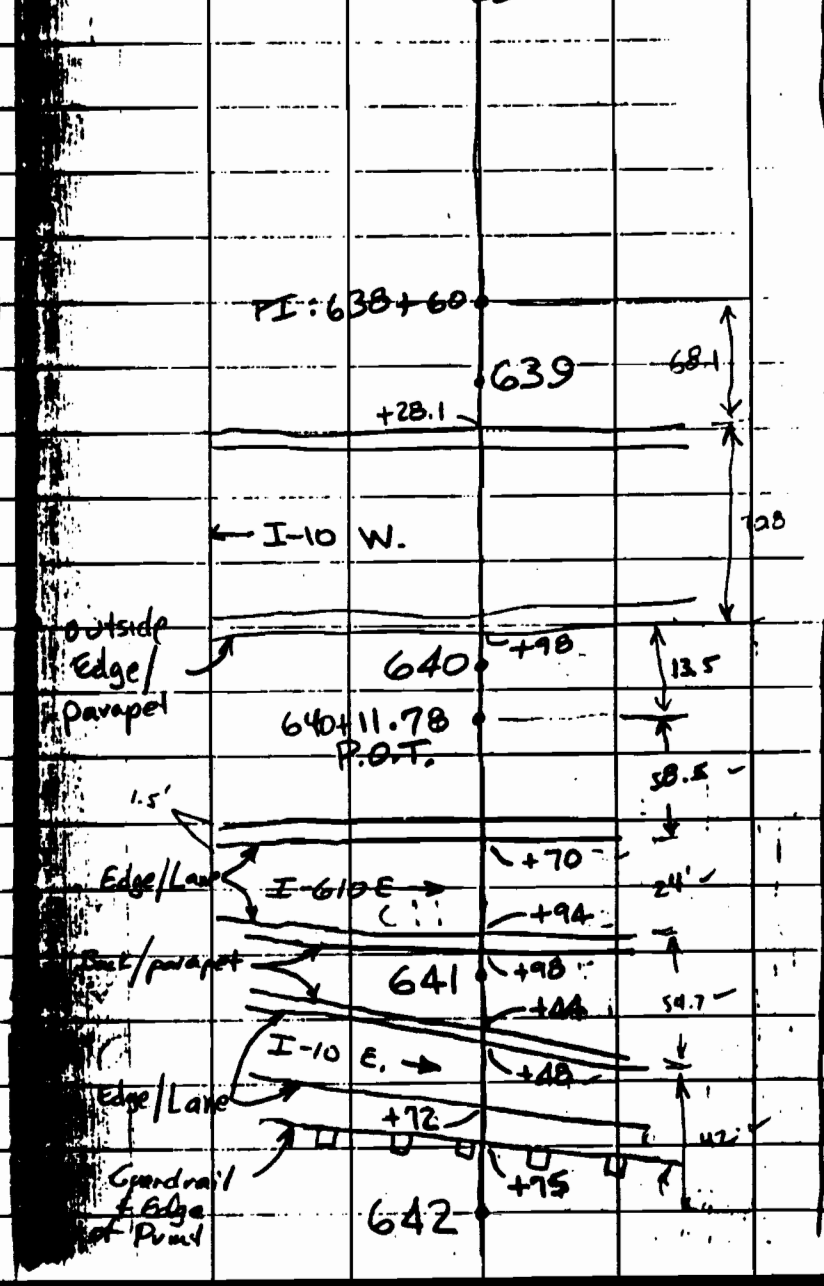
High Power Line

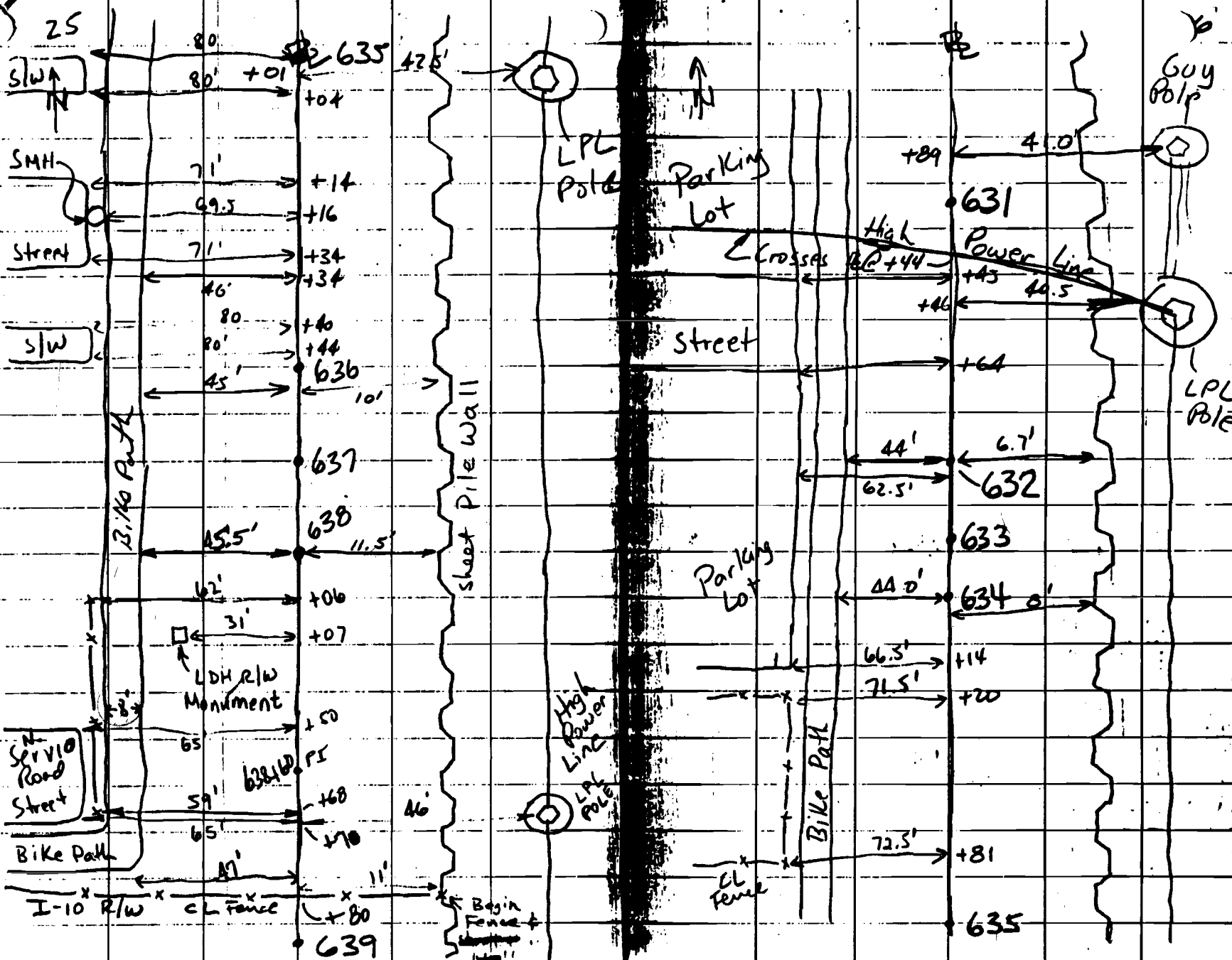




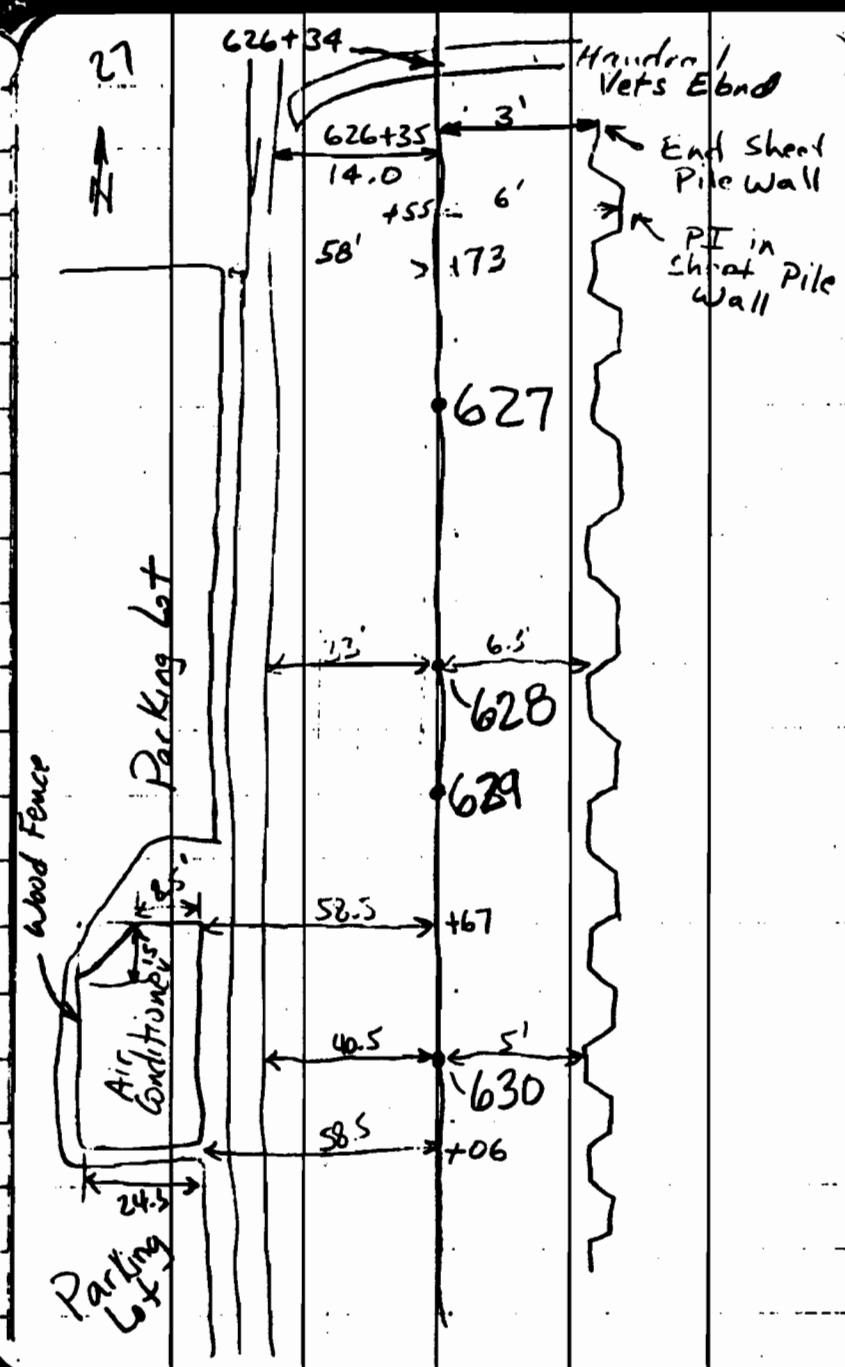
58.9 58.5
 -40.4
 28.5

640 117.9
 11.1
 6'10" 11.9





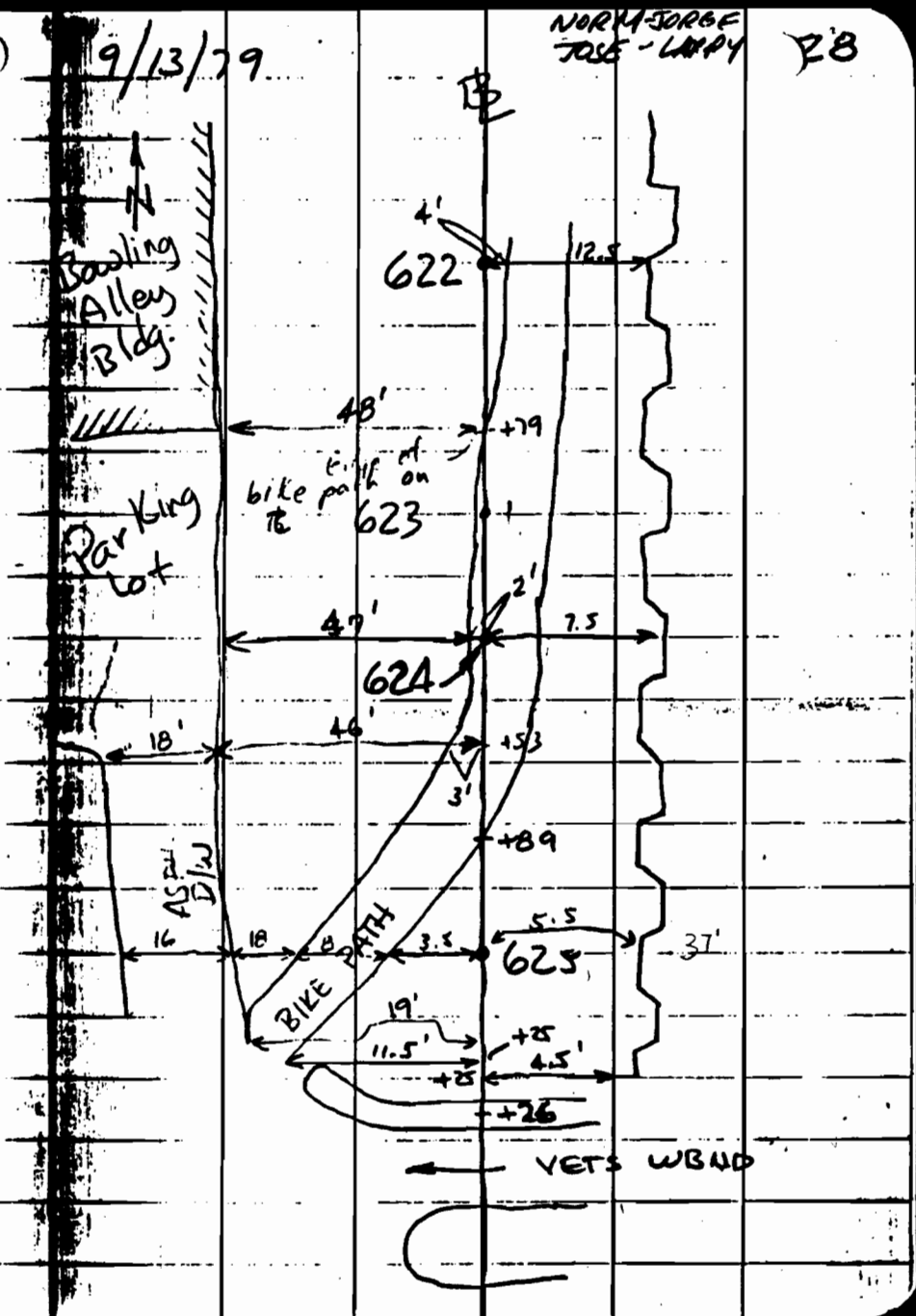
27



9/13/79

NORM-JORGE
JOSE - LAPPY

28



29



Parking lot

Parking lot

Bowling Alley Bldg

618

619

620

621

622

0.5' 10'

49 124

37 45

8' Trees 26' 65

40' 77

6.5' 9'

PATH

BIKE

)

WOOD FENCE

Tree Fire Hydrant

PP

Street

Bike Path Steps

Parking lot

616

617

618

8 9.5'

23' +28

26' +54

26' +56

35' +63

35' +68 +78

+77 +79

18' 8'

35' +81 +86 +88

33' +94

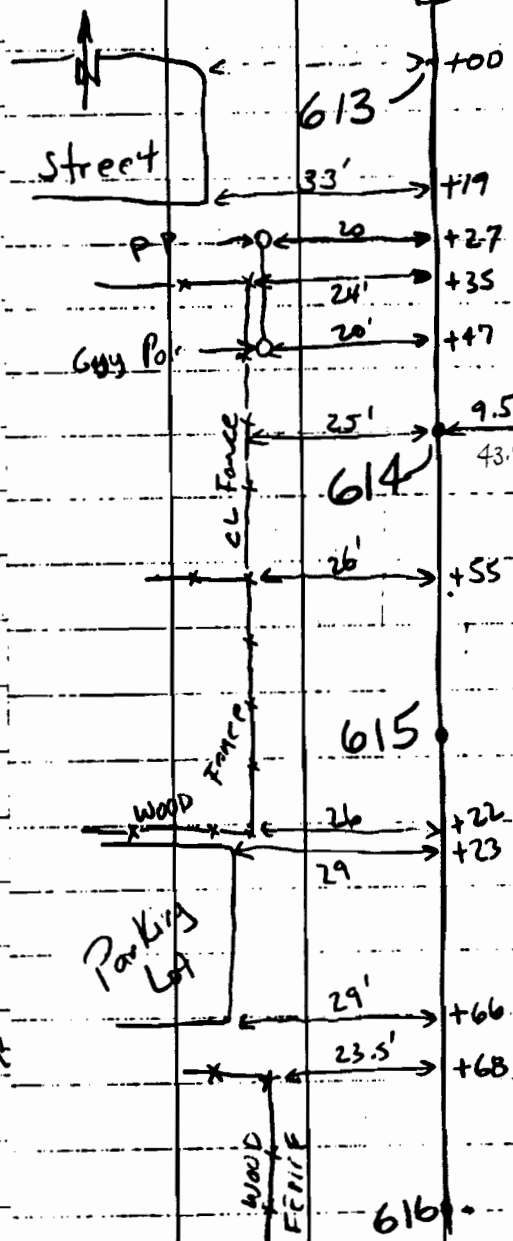
32' +93

19'

30



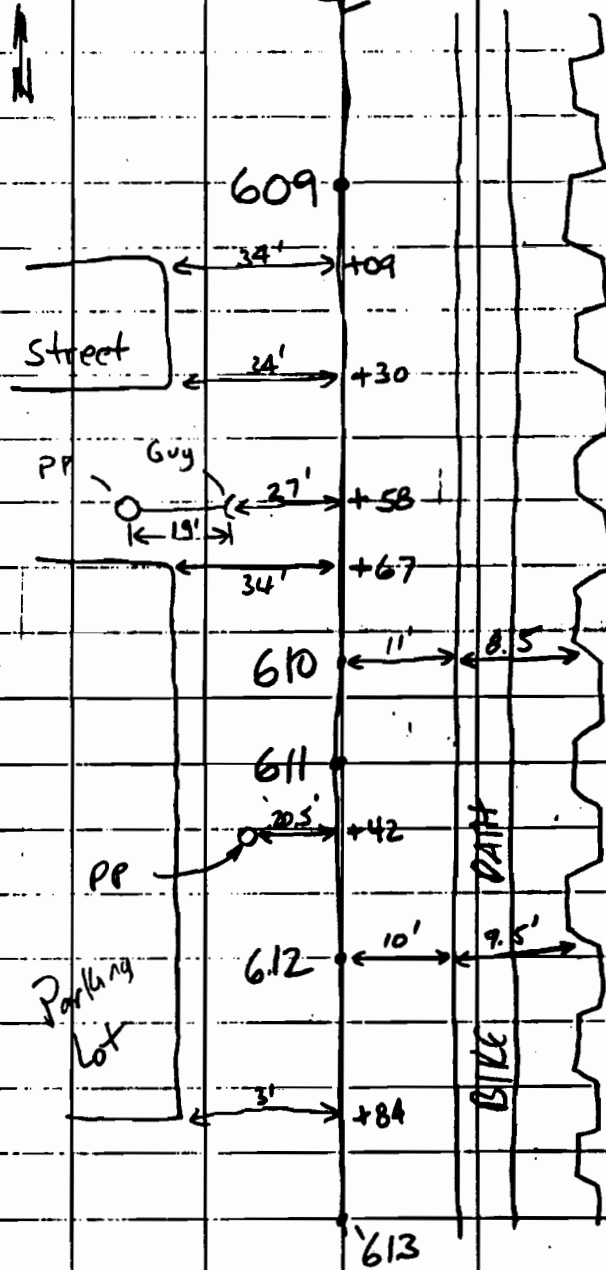
31



PATII

BIKE

2

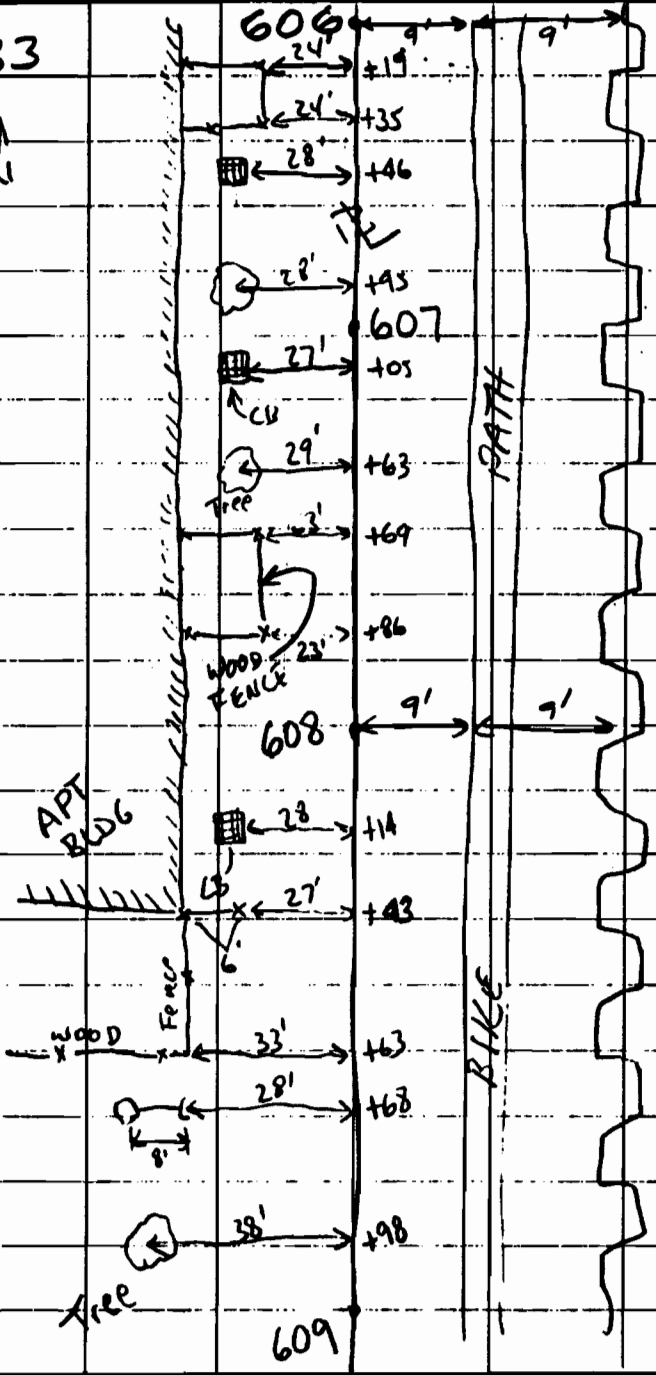


PATII

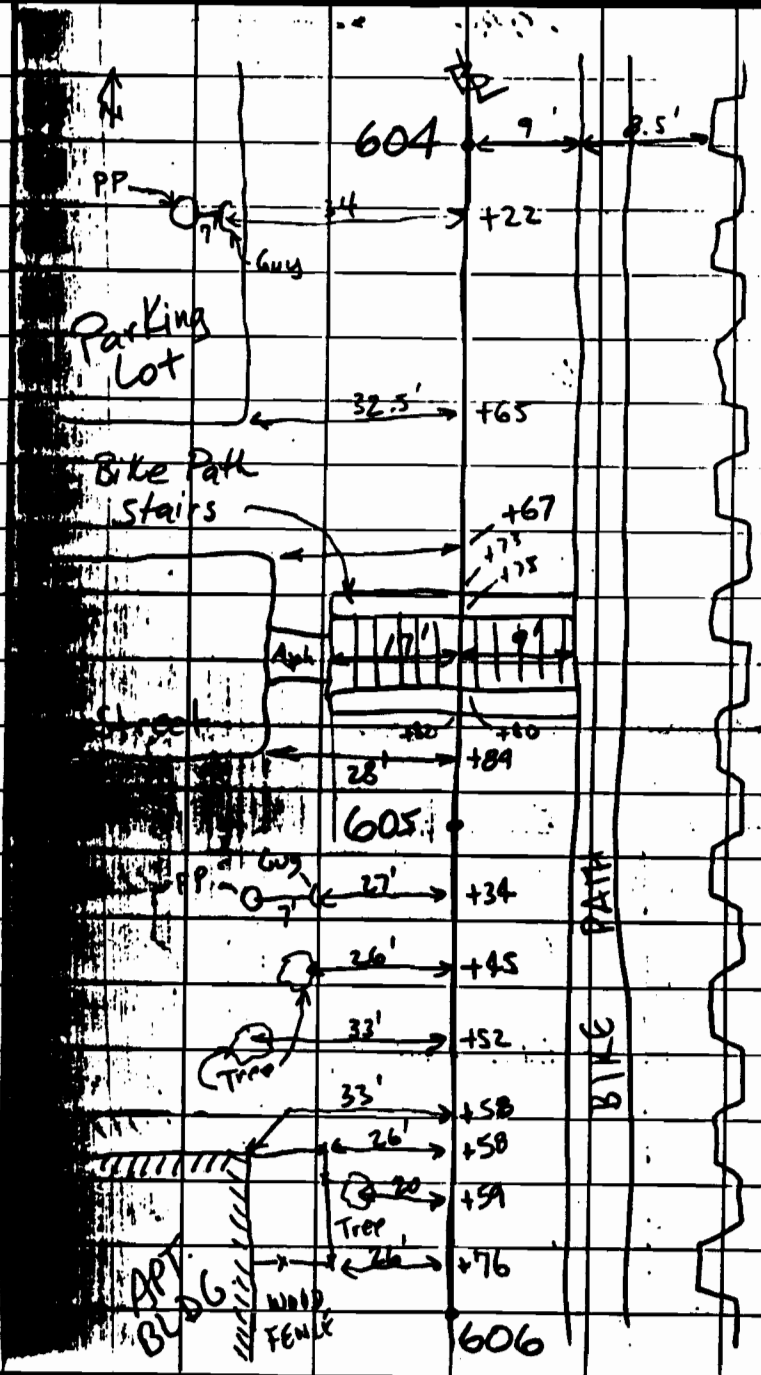
BIKE

613

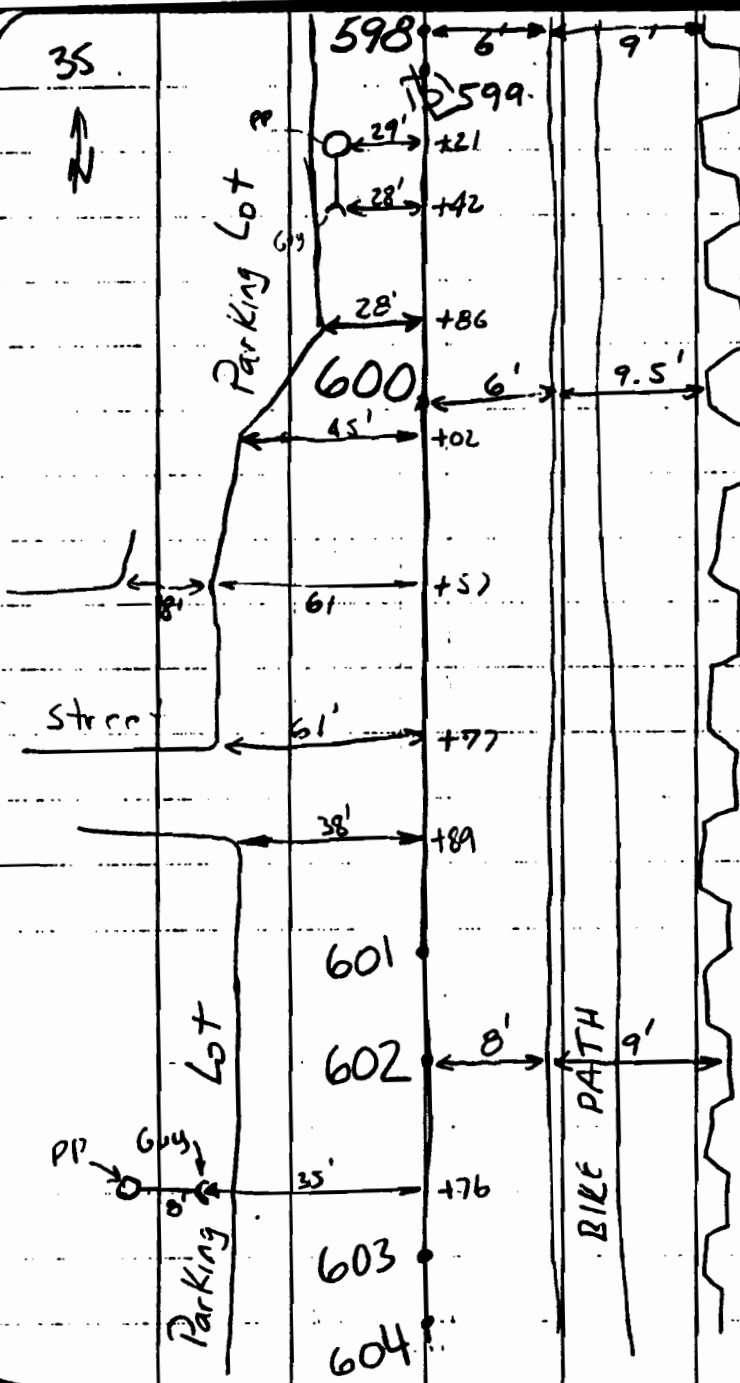
33



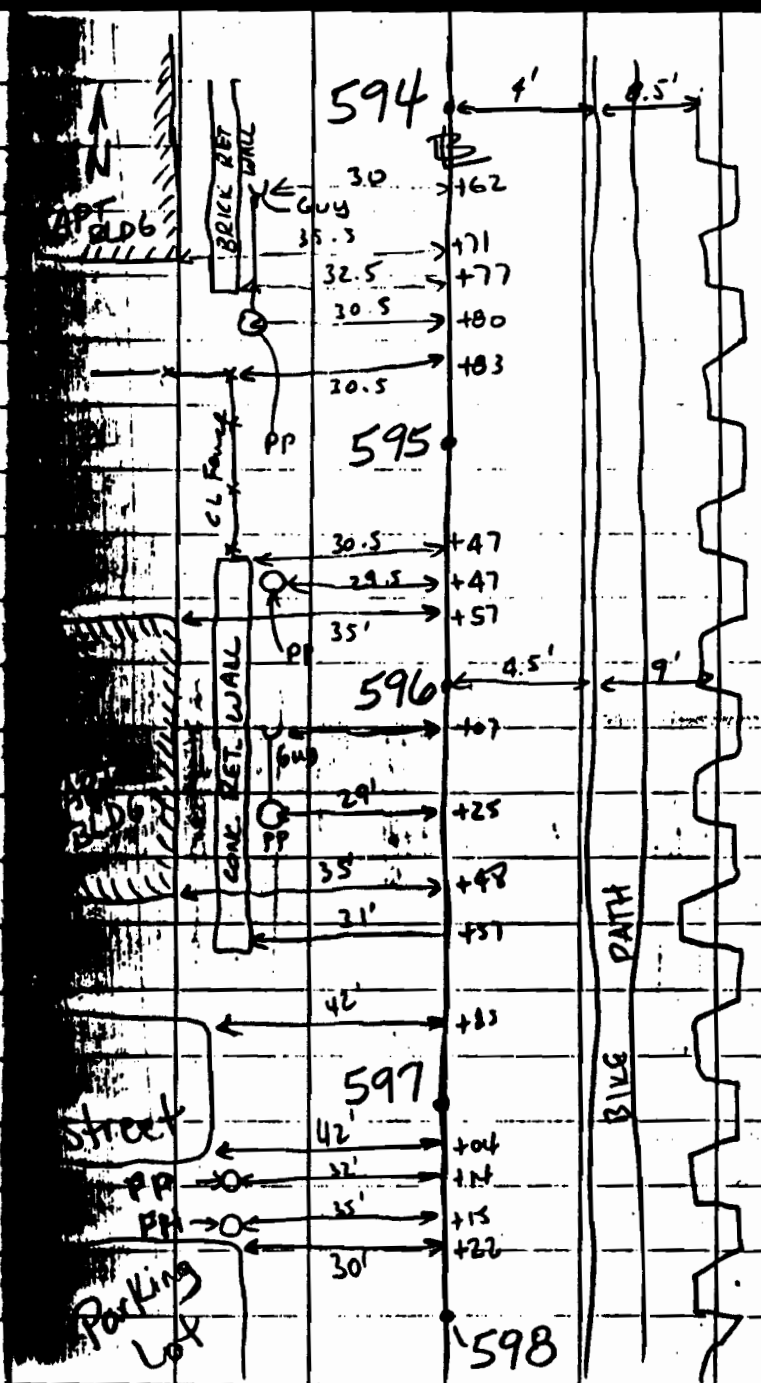
34



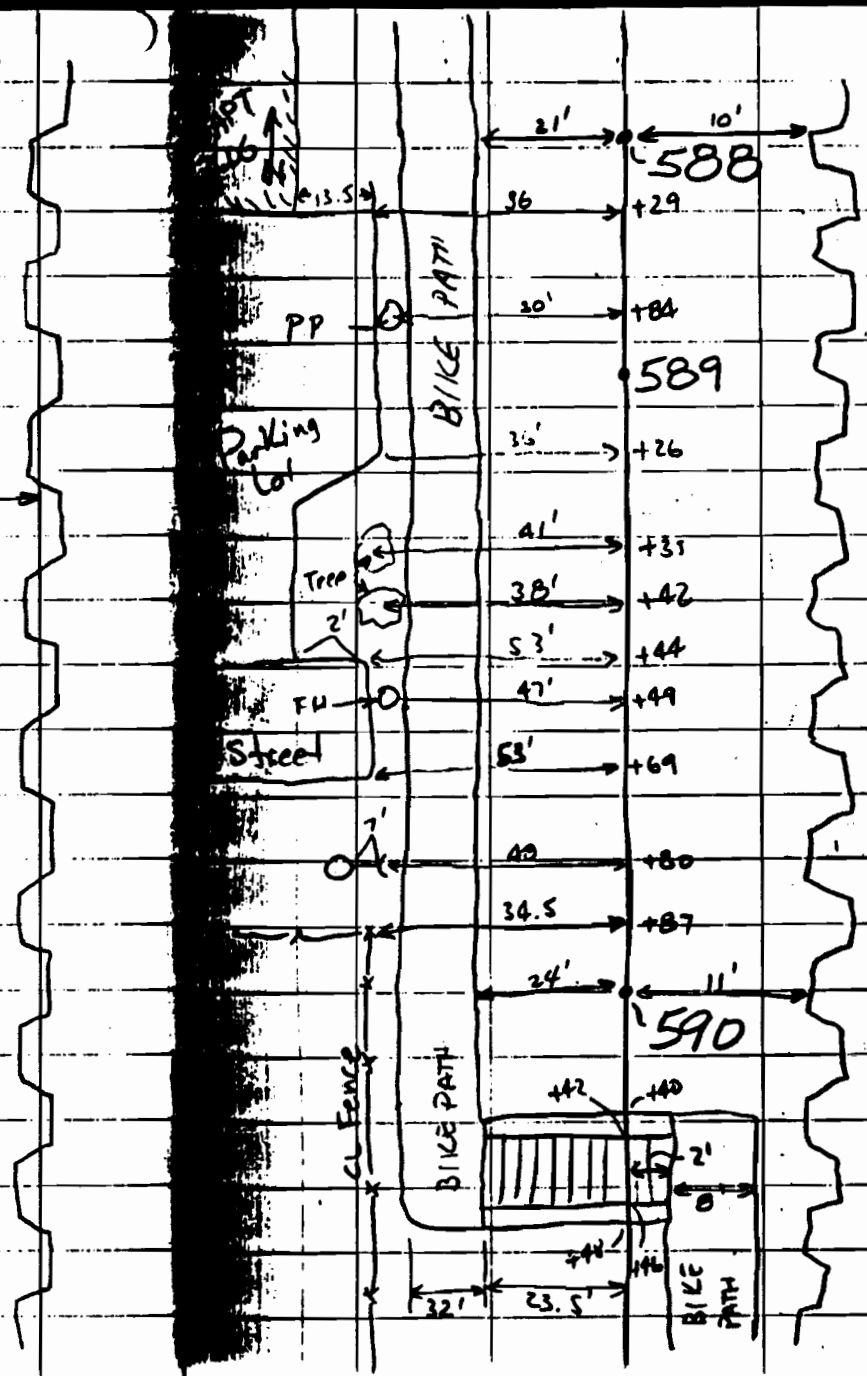
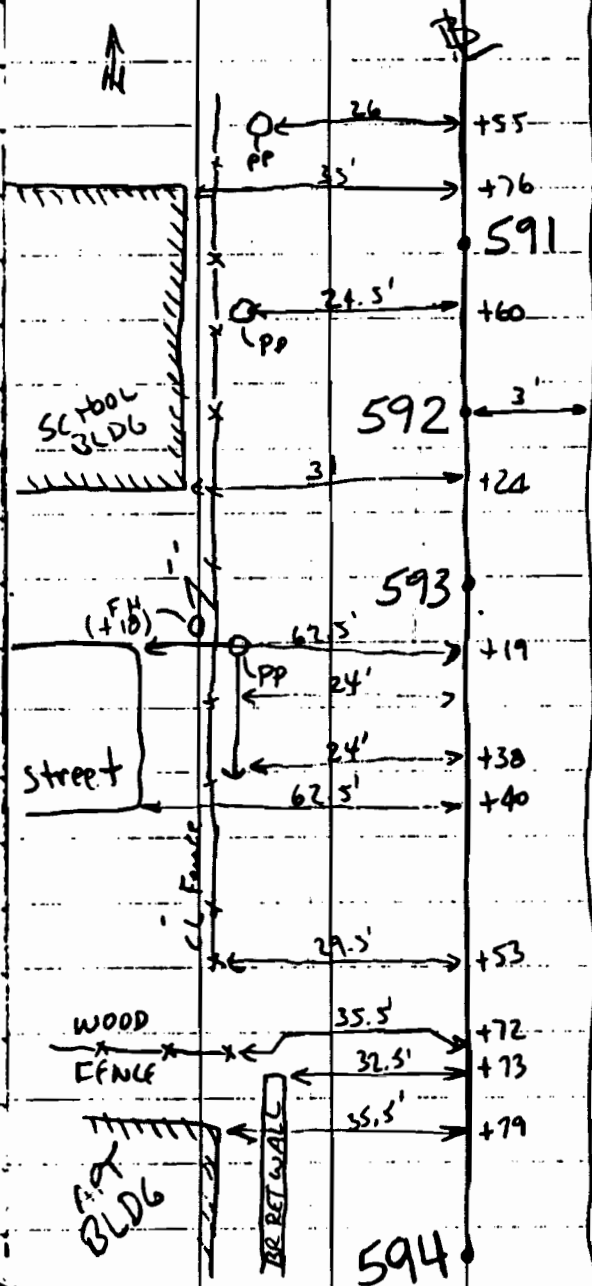
35



36

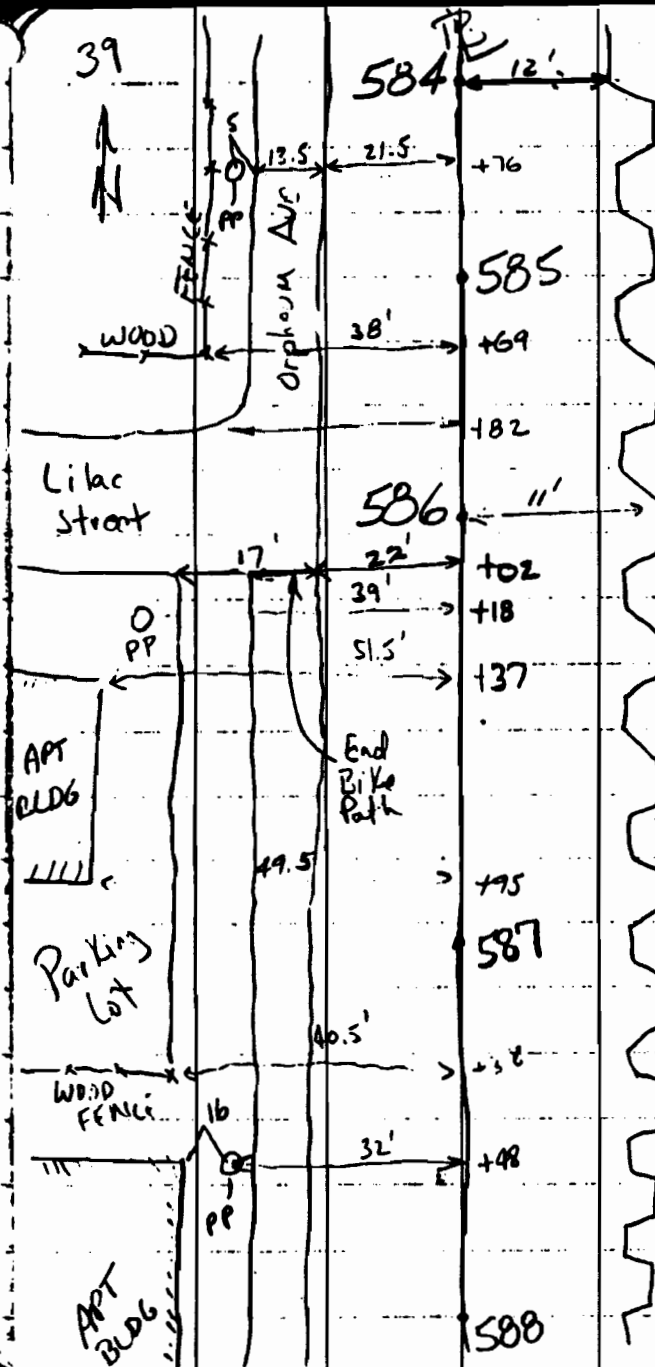


37

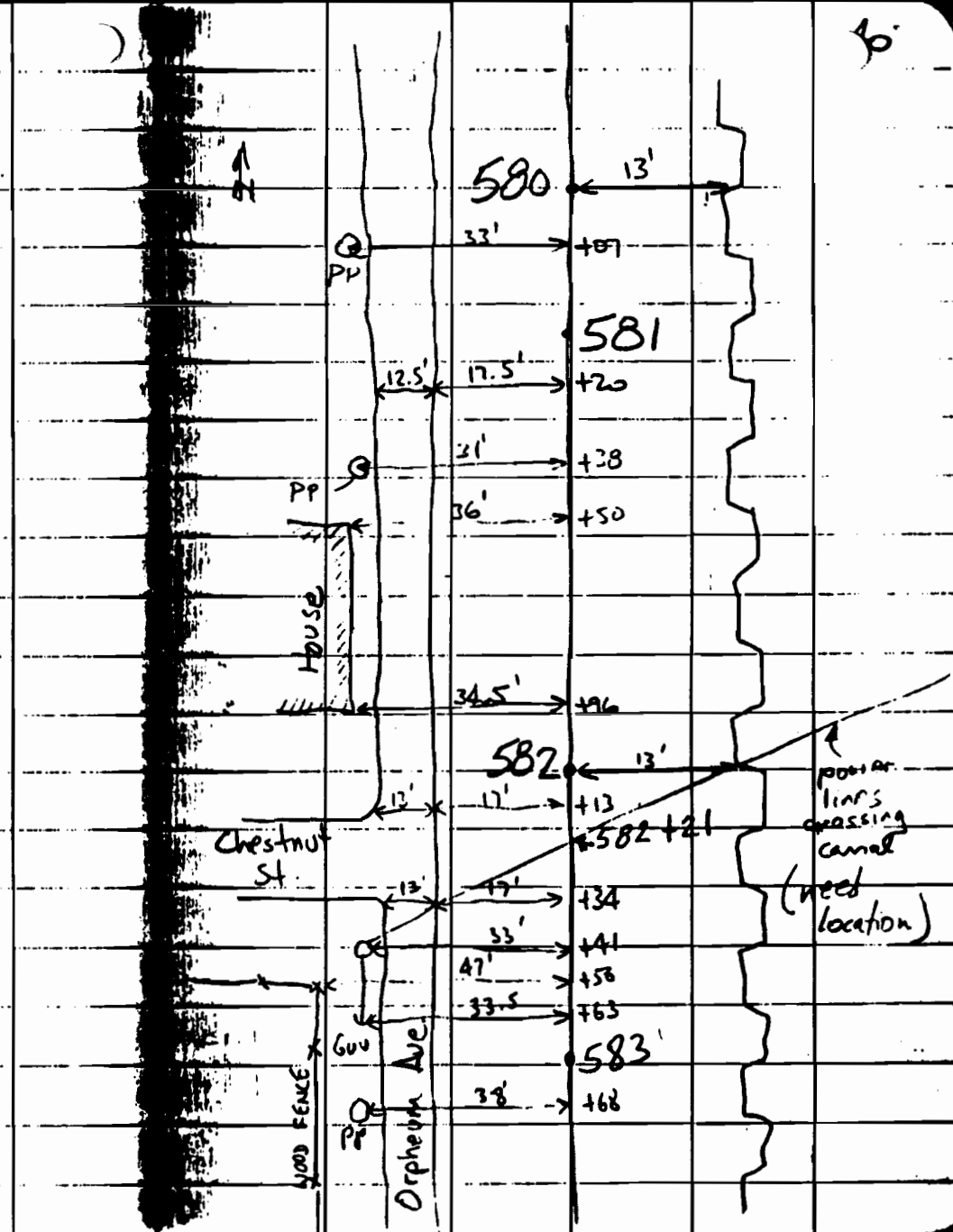


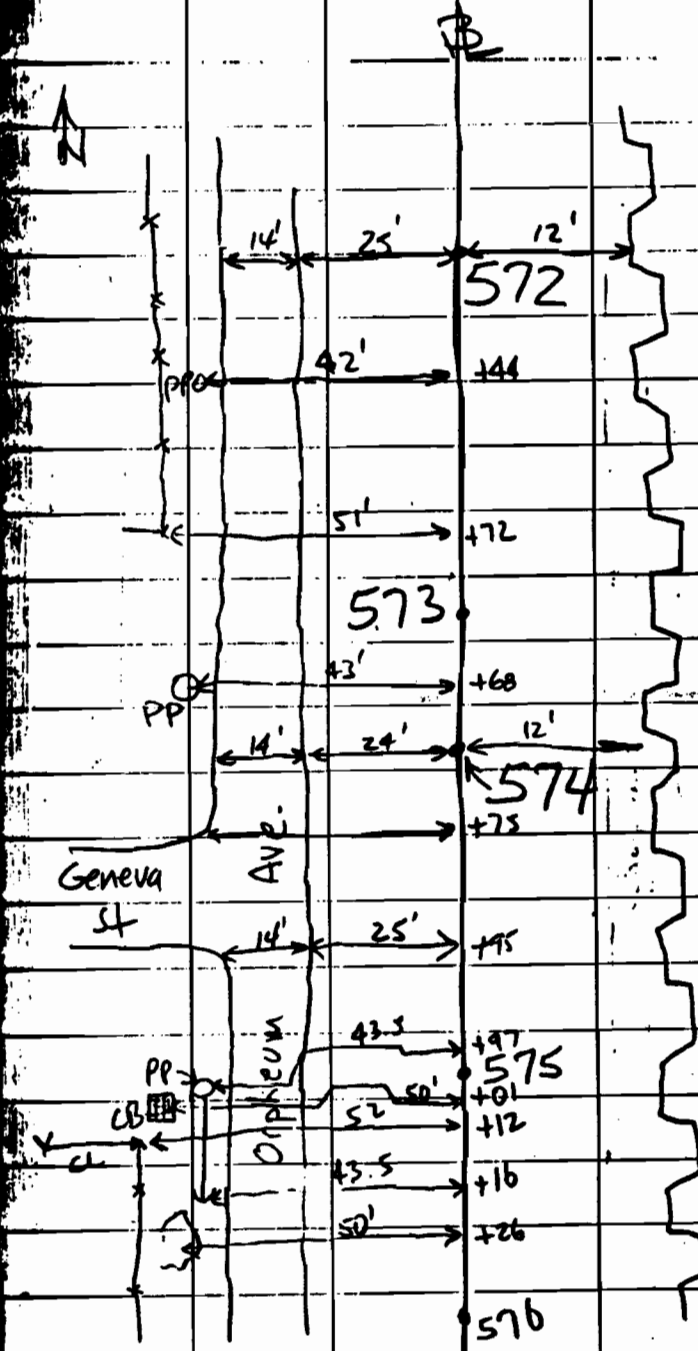
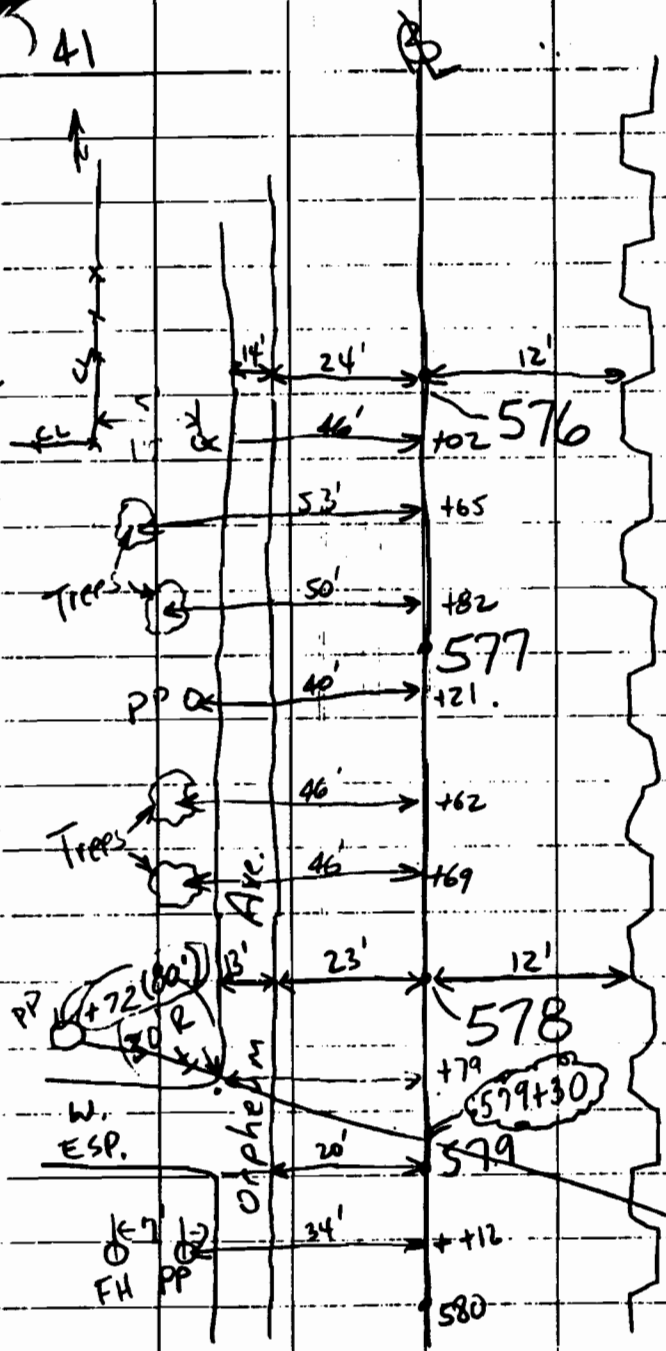
(1/2 stake is @ 588+02)

39



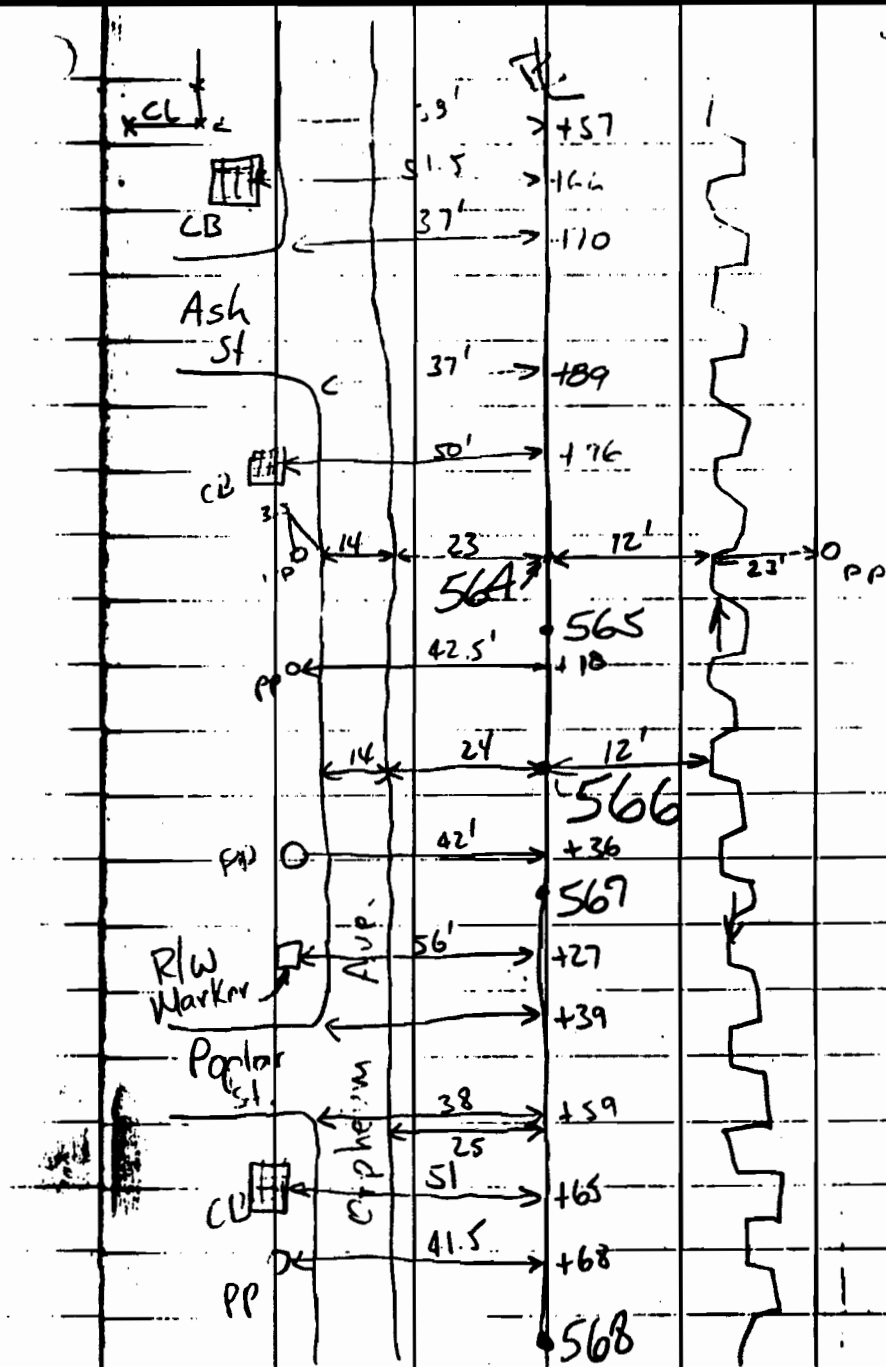
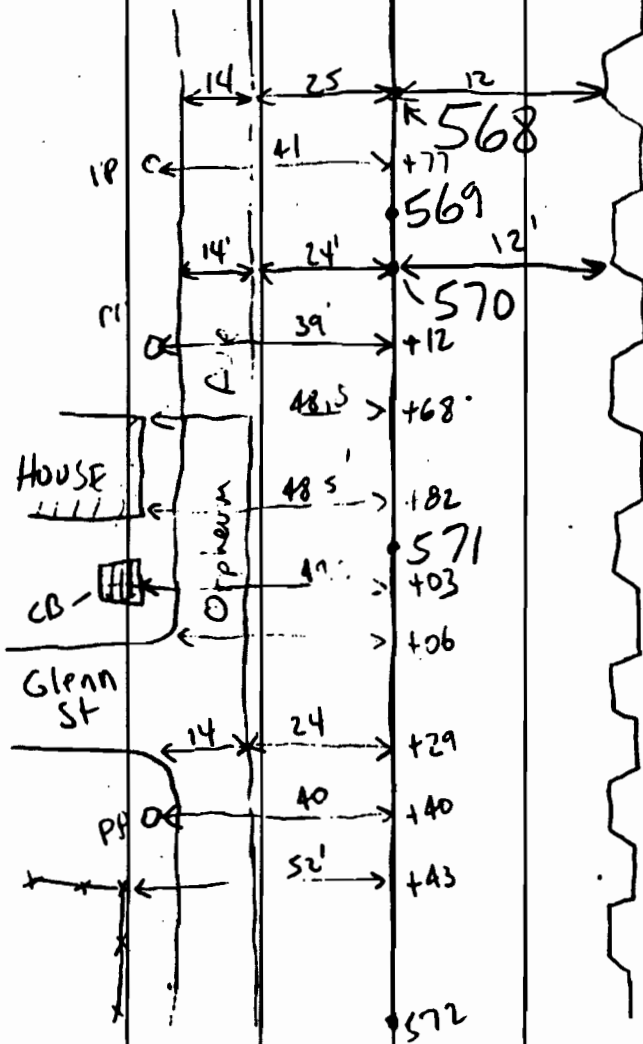
30

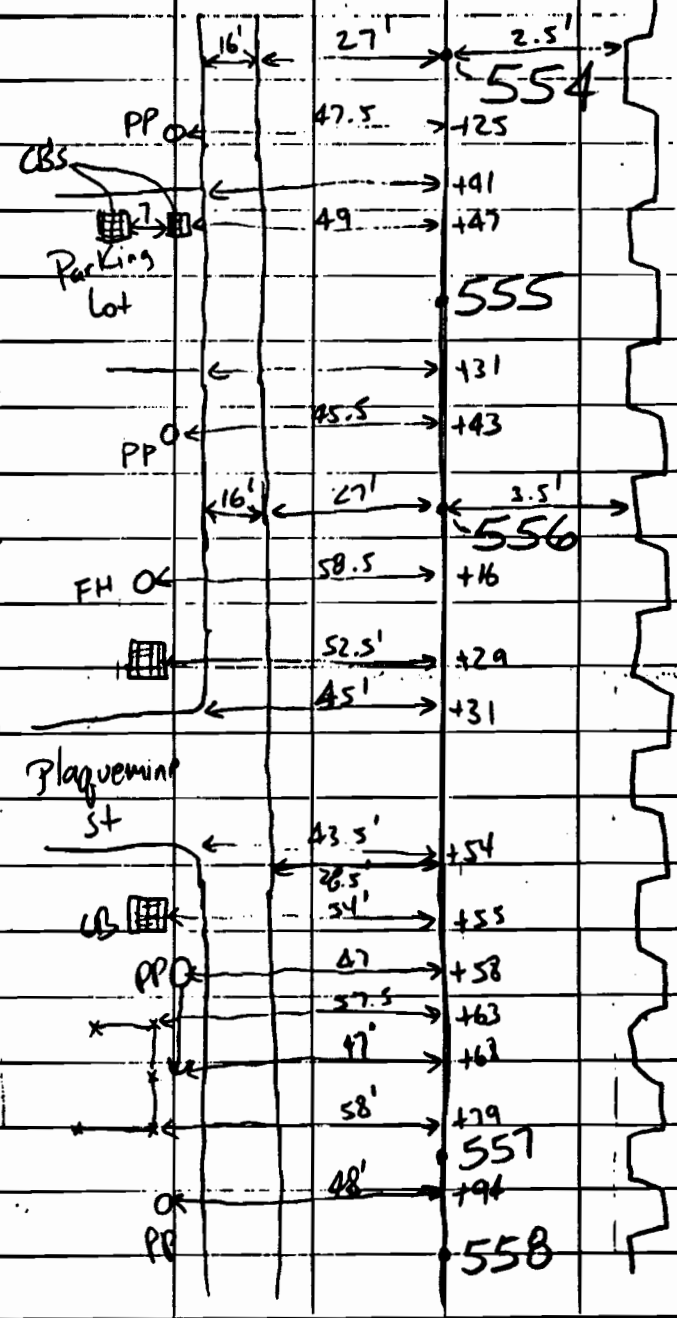
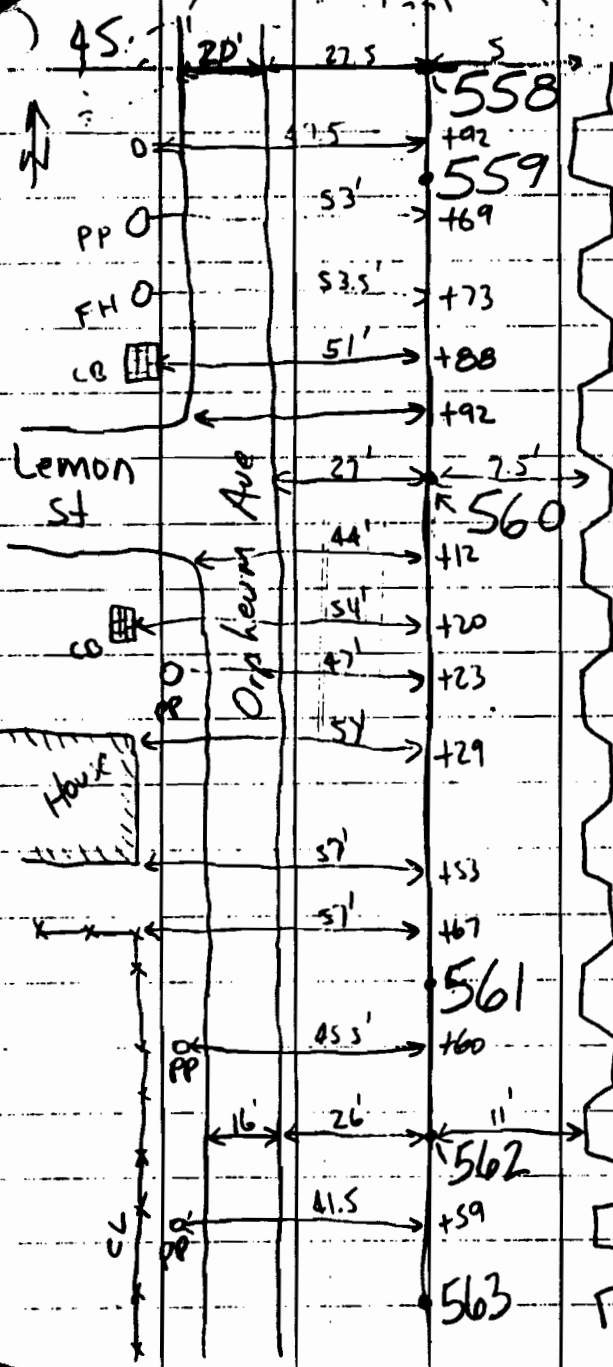




power lines crossing canal (need to locate)

43

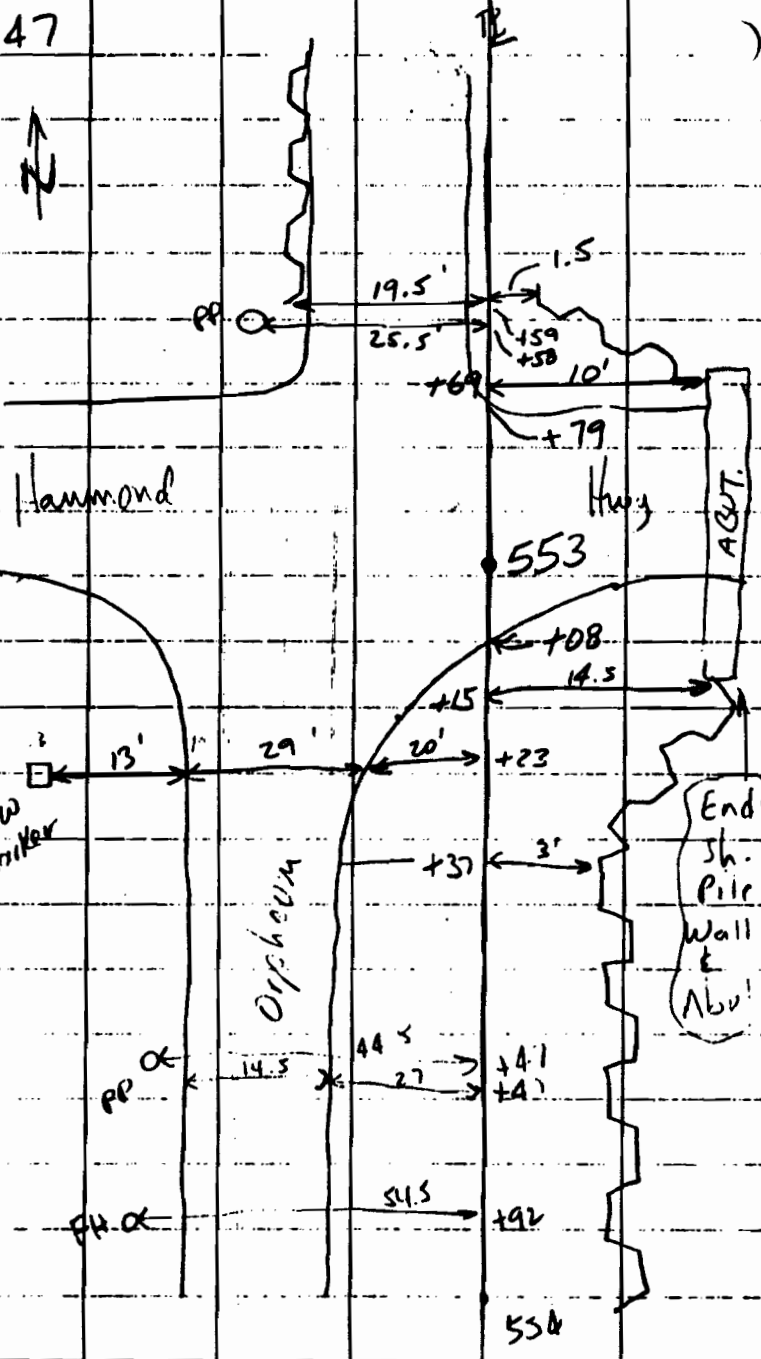






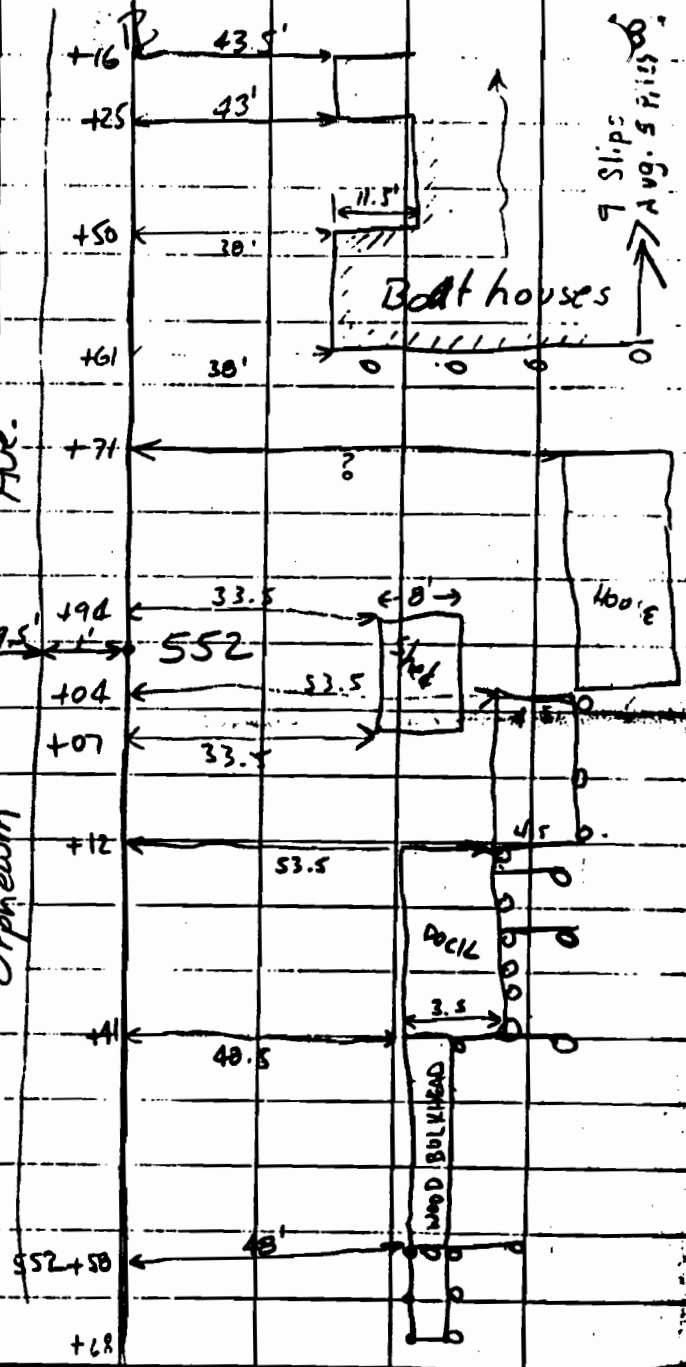
Hammond

R/W Marker

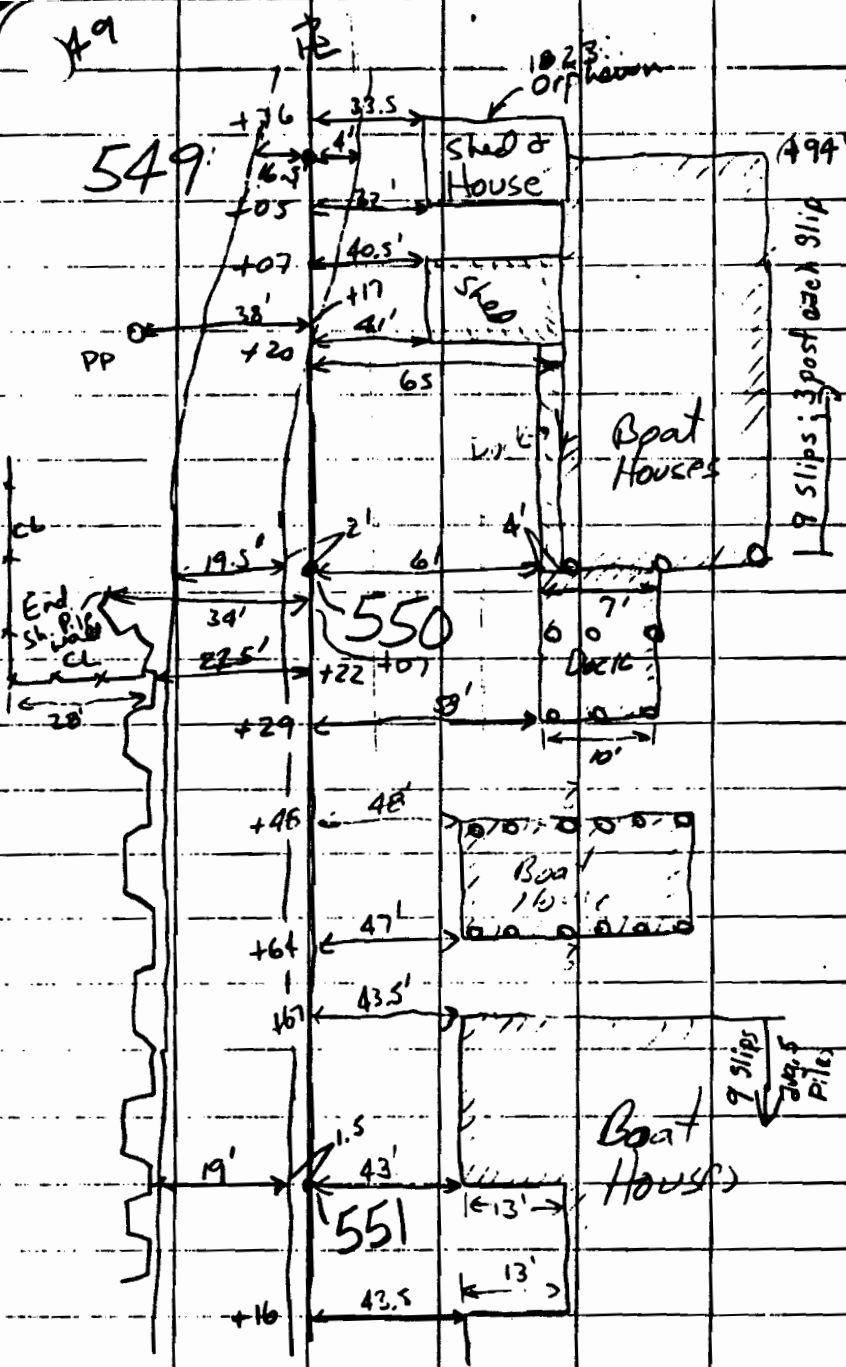


Ave.

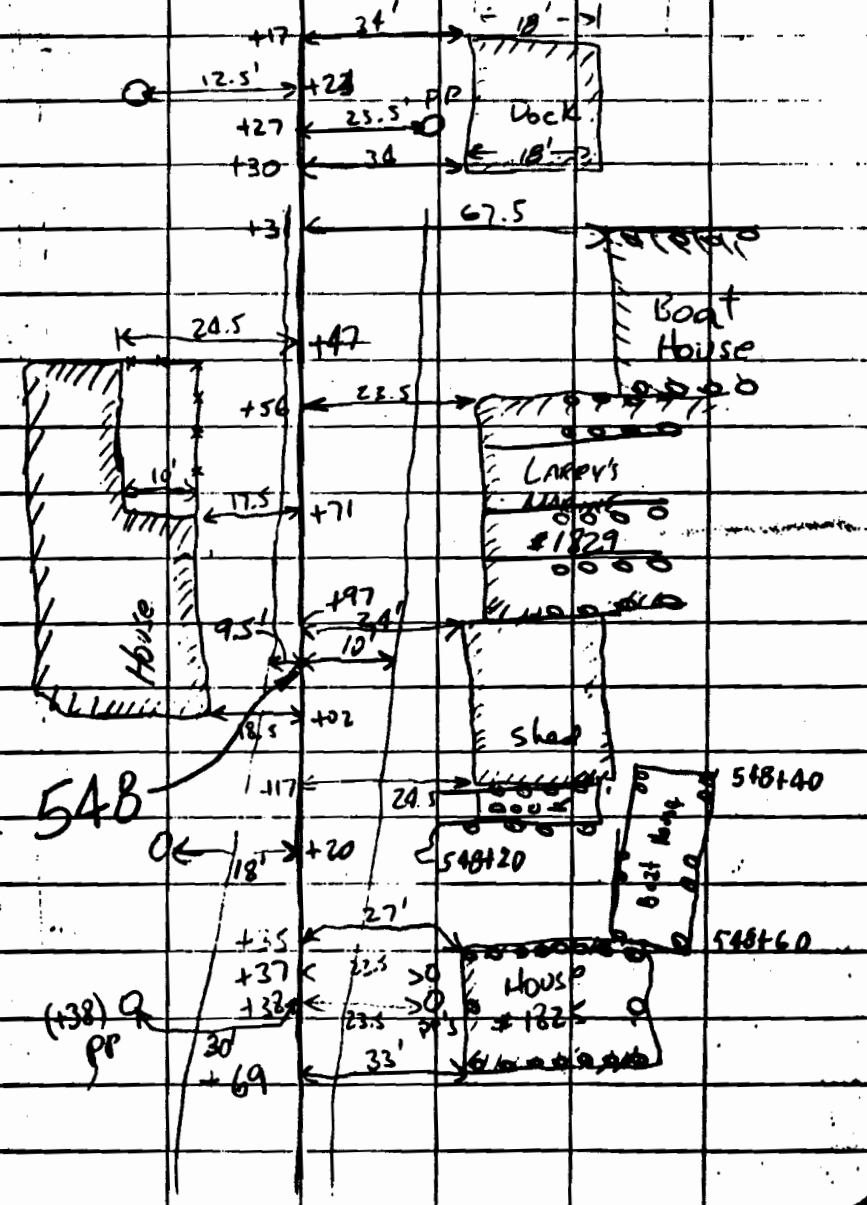
Orpheum



49



TYPICAL PILE SPACING UNDER HOUSES = 8' o/c



548

(138) Q PP

5L

548+40

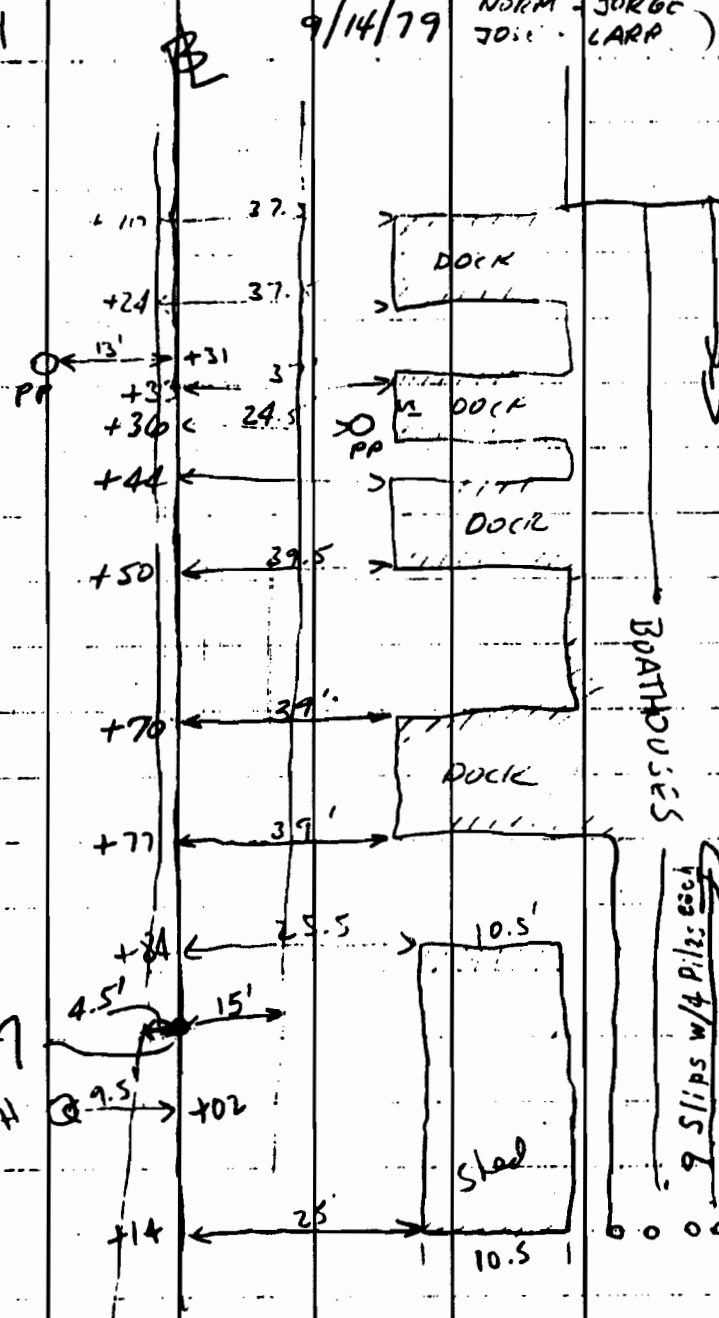
548+20

548+60

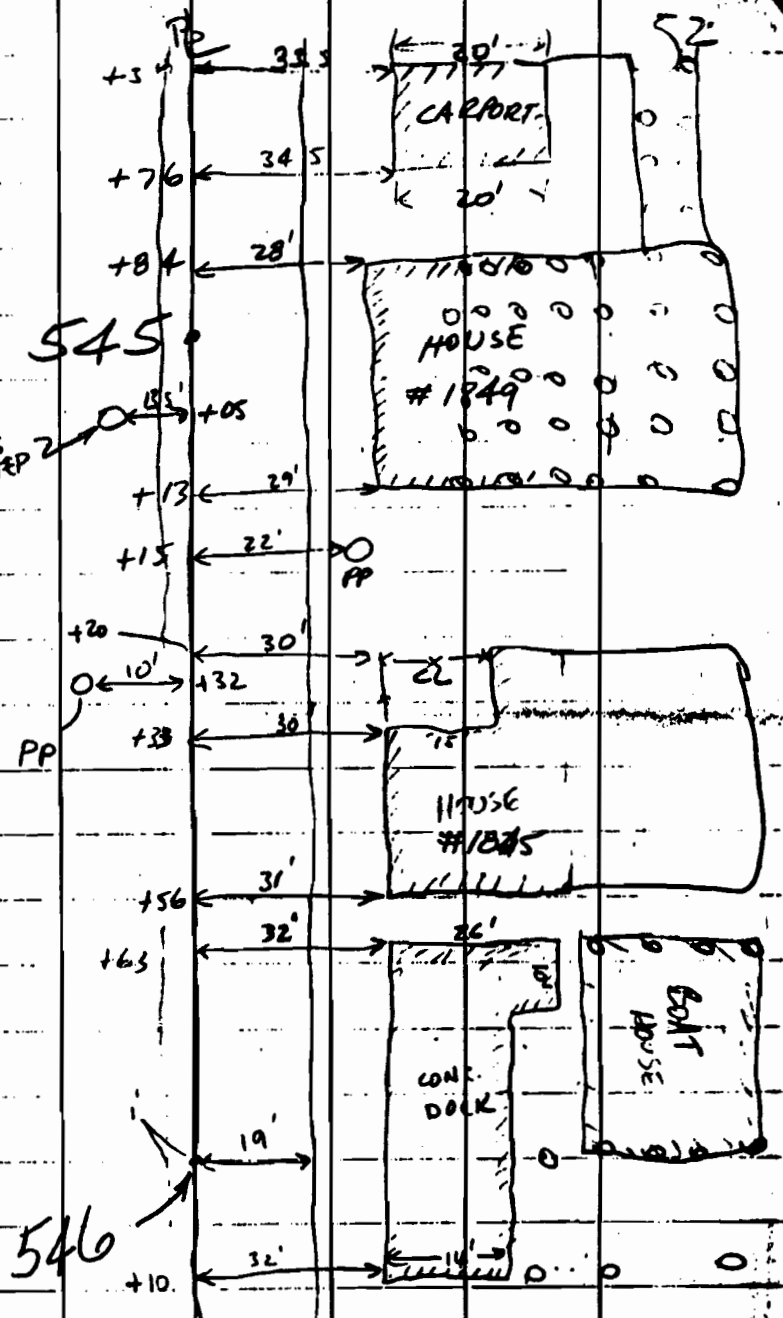
HOUSE

51

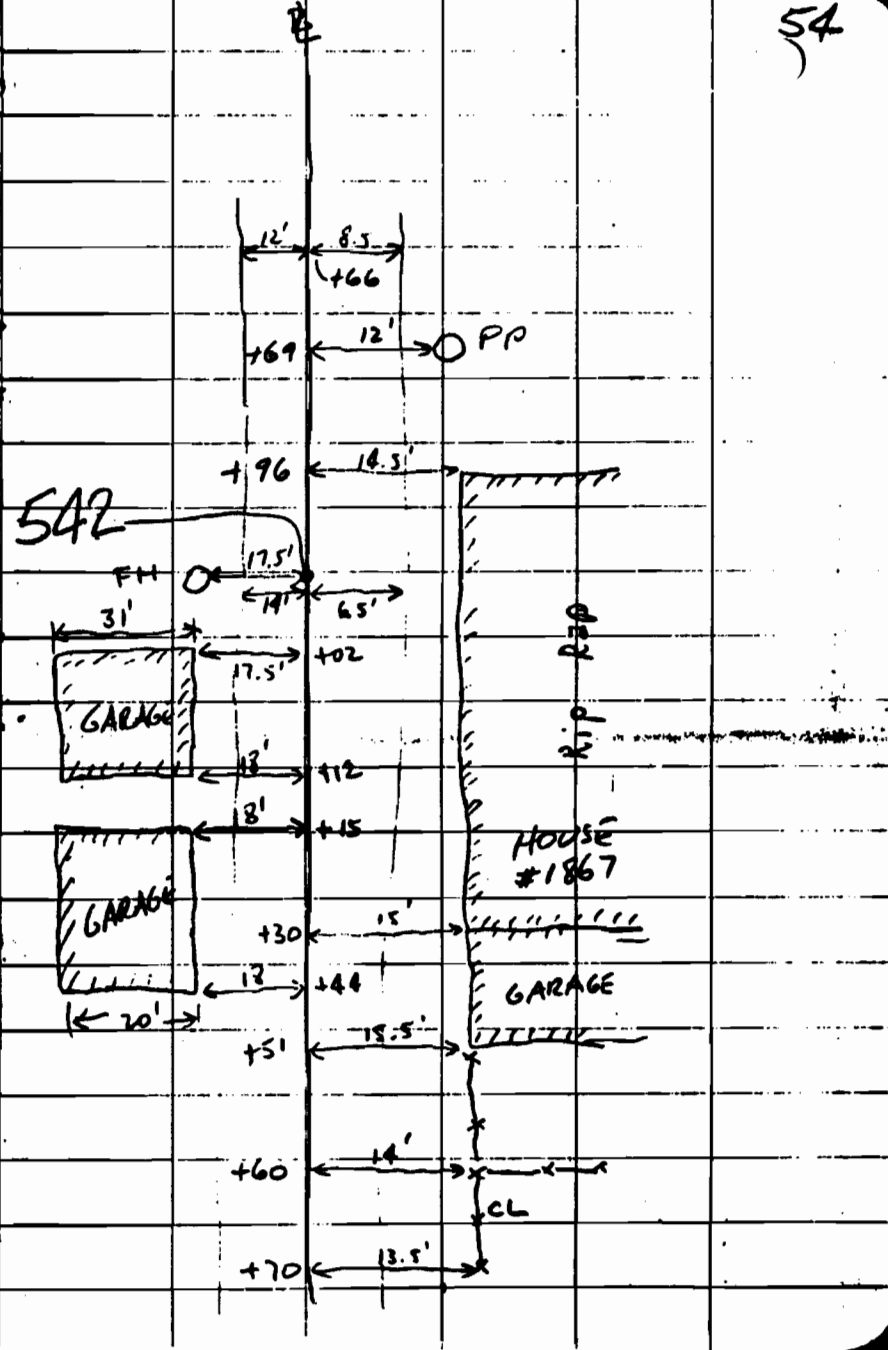
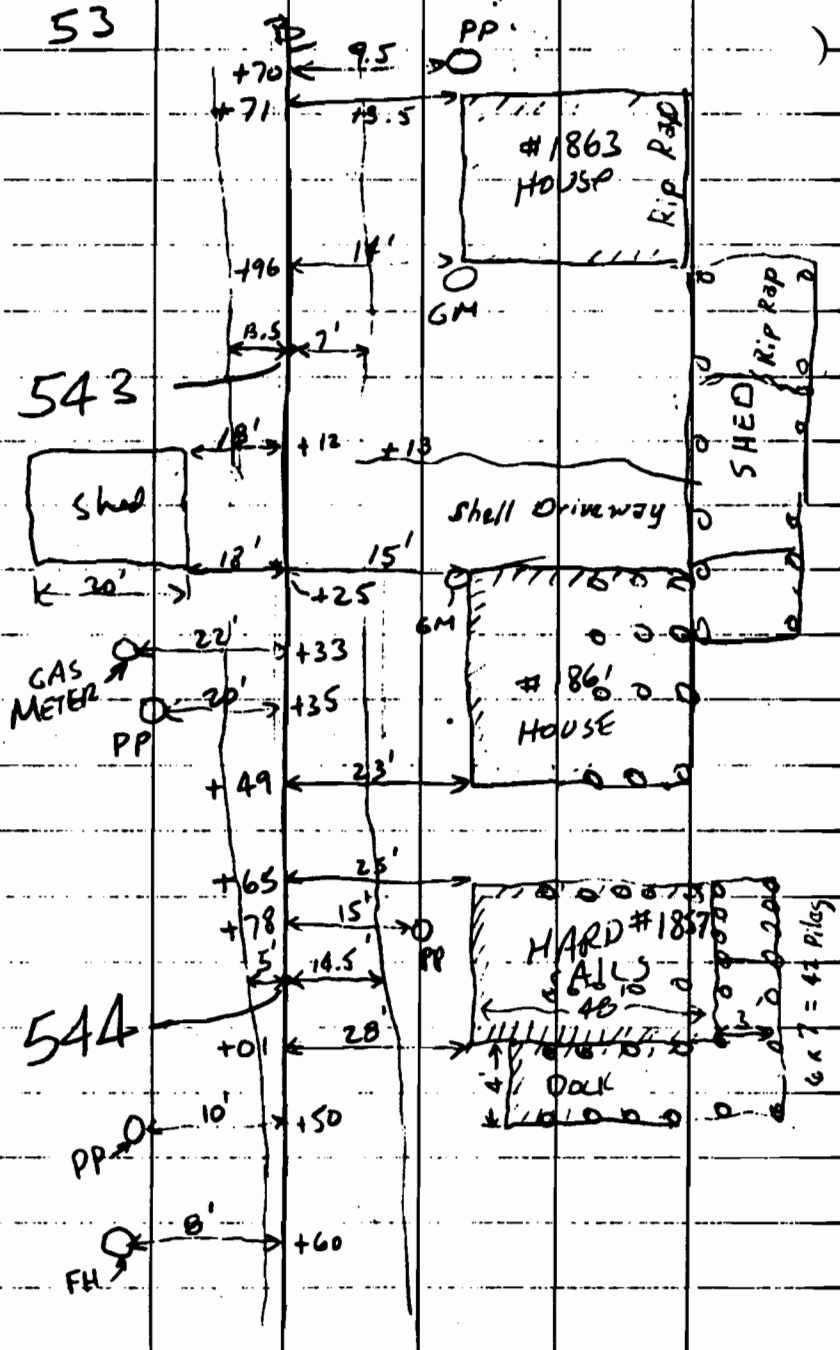
9/14/79 NORM - JORGE
70:00 LARP



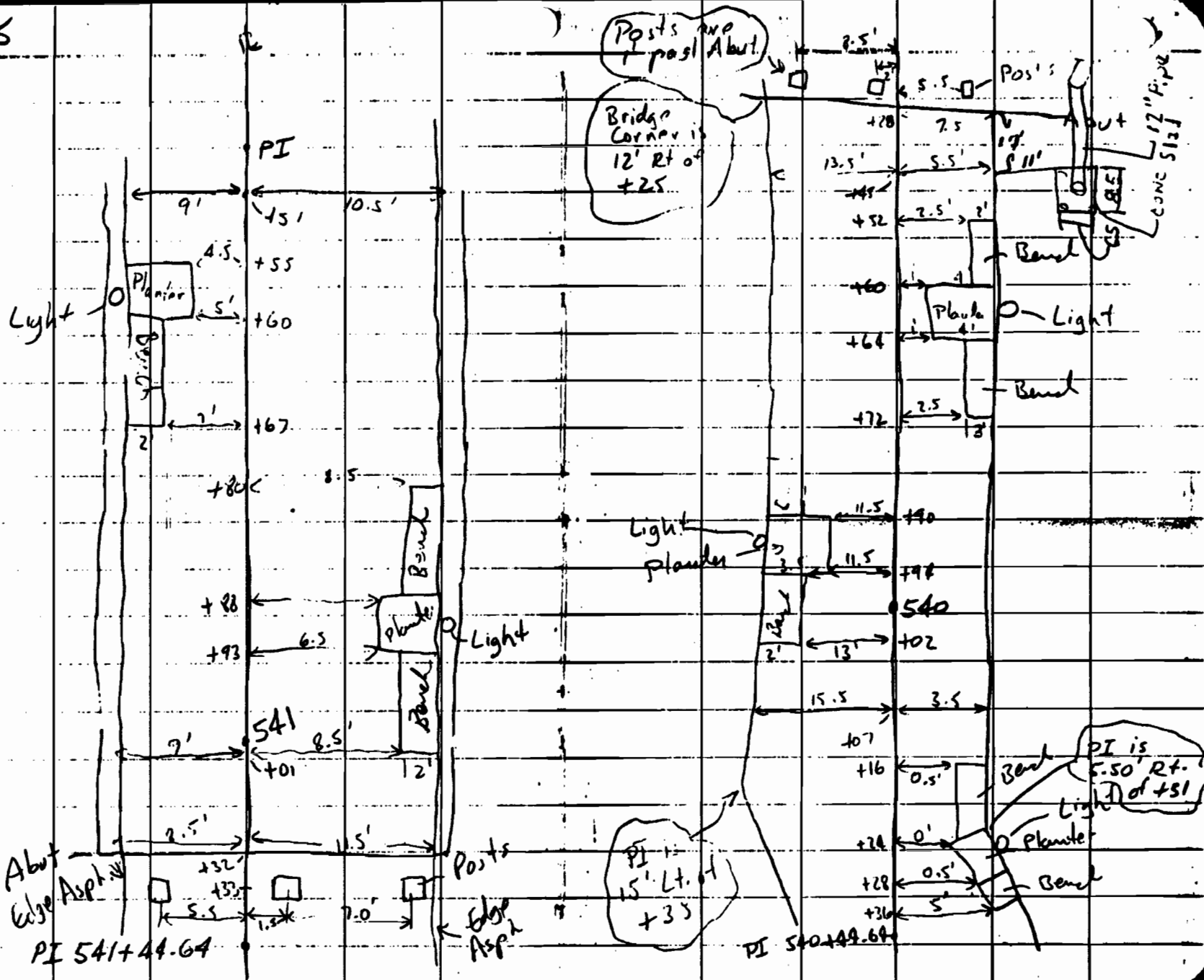
547 FH



546



SS



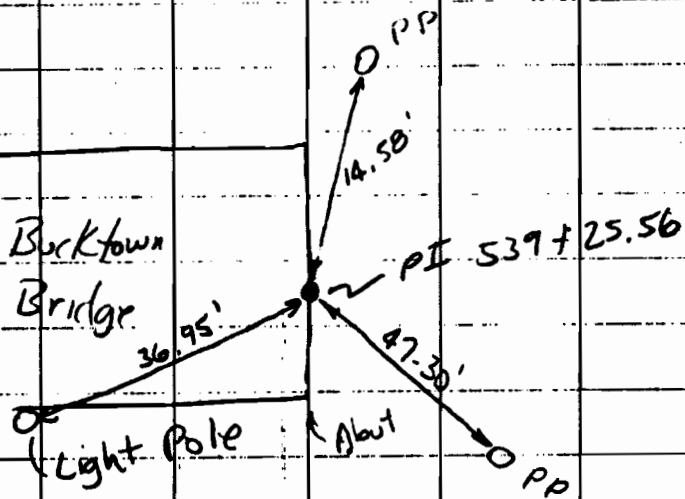
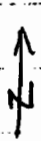
Abut Edge Asph.
PI 541+44.64

PI is 15' Lt. of +35

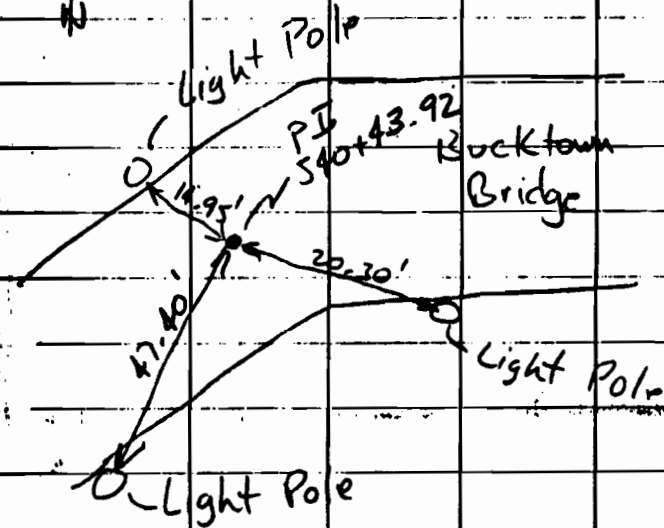
PI is 5.50' Rt. of Light of +51

Posts are post Abut.
Bridge Corner is 12' Rt of +25

PI 540+44.64

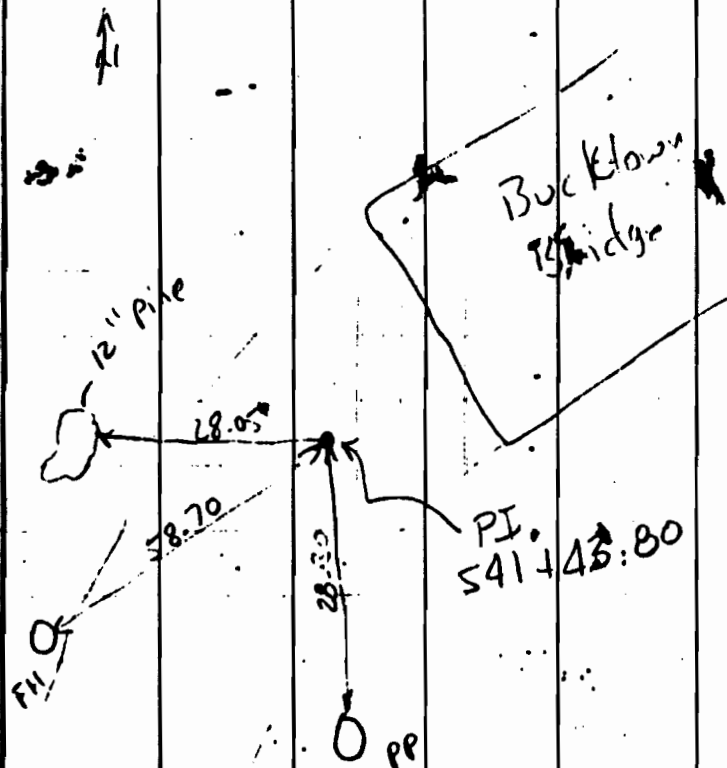
539+25.56

CA:1A1 →

540+43.92

59

541 + 43.80



BENCH MARK LEVELS

9/14/79

6)

STA	+	HI	-	EL	
J-1				20.37	NAIL IN P.D. CORNER OF ORPHEUM PLAZA MINE
TBM 556	14.17	34.54	0.41	34.13	TOP OF S.P. WALL
TBM 554			0.40	34.14	TOP OF S.P. WALL
TBM 550+22.11	0.28	34.42	5.22	29.20	USCE MONUMENT
TBM 547+02	1.76	30.96	4.52	26.44	ON LETTERS "N.Y." ON FIRE HYDRANT 9.5' LT. OF BUCKTOWN
TBM 542+00	1.69	28.13	0.42	27.71	ON LETTERS "WOOD" ON FIRE HYDRANT 17.5' LT. OF B
TBM-1	0.55	36.26	5.82	30.44	ON TOP OF 18" WATER LINE 20' S. OF BUCKTOWN BRIDGE NEAR S. WALL ON OAKLAND SIDE.
TBM-2	4.38	34.82	7.49	27.33	TOP OF 3" PLATE ORLEANS SIDE 150' S. N. OF CAREY'S MINE
	6.78	34.11			

) 61) 62					2
STA	+	HI	-	EL		STA	+	HI	-	EL
		34.11			DAY CONC. RPT. WALL ON ORL. SIDE OF MAINLINE ONLY BRIDGE 18' S. OF TRAPPEY	TBM 566				34.04
TBM-3			5.37	28.74			0.72	34.76		
	6.48	35.22				J-3			14.87	19.89' POPLAR ST. USCE B.M. EL = 11.90
TBM 556			1.13	34.09						
	0.14	34.23				TBM 570			0.72	34.04' TOP OF S.P. WALL - JEFF SIDE
J-1			13.88	20.35	CLOSURE ERROR = .02		0.31	34.35		
						TBM 574			0.54	33.81' TOP OF S.P. WALL - JEFF SIDE
							1.08	34.89		
						J-4			15.29	19.60' GENEVA ST. USCE B.M. EL = 19.69
J-1				20.37		TBM 580			2.36	32.53' TOP OF S.P. WALL - JEFF SIDE
	14.32	34.69					2.40	35.01		
TBM 562			0.64	34.05	TOP OF S.P. WALL - JEFF SIDE	TBM 586			2.90	32.11' TOP OF S.P. WALL - JEFF SIDE
							2.65	34.76		
↓ 9/14/79	Lost	1 hour	- rain			J-6			13.03	21.73' LILAC ST. USCE B.M. EL = 21.75
↓ 9/17/79	Lost	2 hours	- ran	NORM - MIKE JOSE - LARRY		TBM 592			2.56	32.20' TOP OF S.P. WALL - JEFF SIDE
TBM 562				34.05			2.17	34.37'		
	0.60	34.65				TBM 598			2.19	32.18' TOP OF S.P. WALL - JEFF SIDE
TBM 566			0.61	34.04	TOP OF S.P. WALL - JEFF SIDE		2.53	34.71'		

63					13					7.09	14
STA	+	HI	-	EL	STA	+	HI	-	EL		
		34.71			TBM-7				30.43		
TBM 604			4.53	30.18		0.66	31.09				
	5.00	35.18			TBM-8			0.79	30.30		TOP OF S.P. WALL - ORL. SIDE
TBM 610			2.88	32.30		1.50	31.80				
	2.50	34.80			TBM-9			1.63	30.17		TOP OF S.P. WALL - ORL. SIDE
TBM 616			2.81	31.99		1.10	31.27				
	3.29	35.28			TBM-10			1.03	30.24		TOP OF S.P. WALL - ORL. SIDE
J-9			14.54	20.74		1.86	32.10				
TBM 622			2.97	32.31				1.93	30.17		TOP OF S.P. WALL - ORL. SIDE
	3.38	35.69				1.32	31.49				
J-10			6.45	39.24				1.45	30.04		TOP OF S.P. WALL - ORL. SIDE
TBM 4			5.37	30.32							
	1.08	31.40									
TBM-5			1.06	30.34		1.82	31.86				
	0.71	31.05			TBM-13			1.51	30.34		TOP - S.P. WALL
TBM-6			0.64	30.41		2.13	32.47				
	1.64	32.05			TBM-14			2.08	30.39		TOP - S.P. WALL
TBM-7			1.62	30.43		2.19	32.58				

ON WEST EDGE OF LIKE PATH

ON TOP OF S.P. WALL - JEFF. SIDE

ON TOP OF S.P. WALL - JEFF. SIDE

RASPBERRY ST. USE R.M. E.L. 20.74

ON TOP OF SP WALL - JEFF. SIDE

YETS. HWY. USE R.M. E.L. 19.24

ON TOP OF S.P. WALL - ORL. SIDE

9/17/19

9/18/19

ON TOP OF S.P. WALL - ORL. SIDE

ON TOP OF S.P. WALL - ORL. SIDE

ON TOP OF S.P. WALL - ORL. SIDE

'65										Y66	
Sta	+	H.I.	-	Elev		Sta	+	H.I.	-	Elev.	
TBM-15			2.16	30.42	Top S.P. Wall	TBM J-13				30.12	B.W. 1/2 way S.W. corner T-10
	2.09	32.51					8.21	38.33			
TBM-16			2.09	30.42	Top S.P. Wall	TBM 647			5.43	32.90	Bike Path
	5.15	35.57					5.48	38.38			
TBM-17			1.49	34.08	Top S.P. Nail ORL. Side	TBM 652			5.21	33.17	Bike Path
	0.58	34.66					5.27	38.44			
J-1			14.26	20.40	TOP ERROR Nail in P.P. ORNEM C. PLASTERLINE	TBM 658			5.80	32.64	Bike Path
					✓ E.I.		6.36	39.00			
J-11				29.27	Sq. Wing Wall S.W. corner Ret Hwy	TBM 664			6.07	32.93	Bike Path
	5.69	34.96					5.56	38.49		R 2 *	
TBM 632			2.63	32.33	Top S.P. Wall	TBM 670			5.38	33.11	Bike Path
	2.78	35.11					3.94	37.05			
TBM 638			2.73	32.38	Top S.P. Wall	T.B.M-20			6.65	30.40	1 sq. ch. 2.94 Stake
	3.10	35.48					5.79	36.19			
TBM 18			4.83	30.65	Top S.P. Wall	TBM-21			6.03	30.16	Stake Begin of Ar. to fence
	1.75	32.40					5.53	35.69			
TBM 19			1.89	30.51 30.71		TBM-22			4.55	31.14	Opp. fence Gate w/ dog
	2.40	32.94 33.14			TOP ERROR 29.29		5.12	36.26			
J-11			3.62		29.49						

Water Edge Buck To

67		36.26							
Sta	+	H.I.	-	Elev.					
TBM-23			5.20	31.06	Opp. Side w/ Dots		29.0'	541+43	} 29.0' ← 552+64. Rev (2) Bridg
	5.47	36.53					48.6'	541+57	
TBM-24			5.90	30.63	Tap of Cap Print DW		64.3	542+16	
J-13	6.1		6.41	30.12	0.00 Error		18.0	543+26	
							17.5	543+65	
							41.5	544+00	
							60.0	544+40	
							33.0	544+84	
							52.0	545+16	
							35.5	545+67	
							35.0	546+19	
							33.0	547+34	
							41.7	548+22	
							54.5	549+21	
							61.0	550+00	
							44.5	550+69	
							44.0	551+13	
							42.5	551+88	
							47.0	552+54	

61

9/19/79

SECTIONS - JEFF. S

Stn	+ H.I	Elev	LT	RT
TBM 542		27.71		
St 541+43	6.95	34.66		
		Edge Water		
		29	22	15
		12.0	6.81	5.80
		26	28	8
		11.5	7.90	8.76
			26.51	8.58
St 541+90		27.71		
TBM 542				
543	2.51	30.28		
544+60				
		48	37	11
		7.37	5.37	5.41
			30	0
			5.36	5.30
			61	8
			7.37	5.32
			58	16
			6.00	5.84
			24.92	5.85
				5.96
544+52		26.44		
TBM 547+02				
	3.29	29.72		
546+00				
			E.R.	E.R.
			35	18
			6.95	5.53
				0
				5.42
				1
				5.42
				24.20
TBM 547+02		26.44		
	3.75	29.89		
547+15				
			37	34
			7.05	7.07
			22.8	23.8
				15
				0
				5.66
				5.52
				5
				5.60
				21.3
TBM 547+02		26.44		
	3.77	30.21		
548+20				
			48	40
			7.42	6.37
			25.16	25.84
				10
				0
				5.15
				5.10
				10
				5.22
				21.00

Sta	+	H.I	-	Elev	Edge			B.P. = B.K. Fall			
TBM 550+22.11				29.20							
	3.11	32.31									
549+22					57 9.49	53 3.68	18 7.47	2 5.41	0 5.29	18 5.32	
549+67					62 9.55	59 7.15	18 7.78	0 2.48	0 2.13		
550+32					64 9.62	52 8.78	20 8.00	0 2.70	0 1.98		
552+28					48 9.60	34 8.05	9 5.09	0 2.85	0 2.40		
TBM 670				33.11							
	4.64	37.75									
672+00					37 10.33	25 6.00	18 5.86	9 7.71	0 10.51	5 11.24	22 11.90
677+00					48 14.98	43 13.77	12 7.87	4 7.77	0 5.49	20 10.75	
663+00			46		45 14.98	32 10.10	10 4.58	3 4.77	0 5.39	40 16.27	

73

74

Sta	+	H.I	-	Elev			Lt	R	Rt.
		37.75							
664+00				$\frac{51}{15.03}$	$\frac{41}{12.51}$	$\frac{34}{11.28}$	$\frac{12}{4.40}$	$\frac{4}{4.69}$	$\frac{37}{16.64}$
TBM 664+00				32.93					
	5.72	38.65							
664+00				$\frac{52}{16.17}$	$\frac{50}{15.09}$	$\frac{39}{12.85}$	$\frac{14}{5.66}$	$\frac{6}{5.72}$	$\frac{37}{17.70}$
662+00					$\frac{46}{15.30}$	$\frac{44}{13.90}$	$\frac{15}{5.09}$	$\frac{7}{5.30}$	$\frac{33}{17.84}$
660+00				$\frac{53}{16.10}$	$\frac{49}{14.97}$	$\frac{44}{13.39}$	$\frac{16}{5.37}$	$\frac{8}{5.65}$	$\frac{29}{14.84}$
658+00				$\frac{17.29}{21.36}$	$\frac{51}{15.04}$	$\frac{45}{12.83}$	$\frac{17}{5.81}$	$\frac{9}{6.00}$	$\frac{37}{14.90}$
TBM 658+00				32.64					
	4.88	37.52							
656+00					$\frac{47}{13.00}$	$\frac{39}{10.88}$	$\frac{12}{4.63}$	$\frac{7}{4.81}$	$\frac{37}{16.92}$

75		37.52										
Sta	+	H.I	-	Elev		B.I	R.P.					
65400		27.2			$\frac{52}{13.71}$ 25.11	$\frac{45}{12.33}$ 25.11	$\frac{11}{4.25}$ 24.25	$\frac{4}{4.28}$ 24.25	$\frac{0}{5.51}$ 24.25	$\frac{43}{14.48}$ 24.25		
65200					$\frac{48}{13.27}$ 24.11	$\frac{40}{11.68}$ 25.11	$\frac{10}{4.27}$ 24.11	$\frac{3}{4.35}$ 33.17	$\frac{0}{4.79}$ 27.17	$\frac{46}{15.37}$ 27.11		
65000					$\frac{46}{13.10}$ 21.42	$\frac{36}{10.37}$ 21.11	$\frac{9}{4.21}$ 21.11	$\frac{1}{4.58}$ 22.24	$\frac{0}{4.97}$ 22.5	$\frac{40}{15.47}$ 22.22		
64700				32.90								
	5.25	38.15										
64800					$\frac{48}{13.72}$ 24.11	$\frac{36}{12.45}$ 25.11	$\frac{7}{4.95}$ 25.20	$\frac{1}{5.00}$ 27.15	$\frac{0}{5.06}$ 32.00	$\frac{43}{15.97}$ 22.18		
64600						$\frac{49}{14.48}$ 23.11	$\frac{41}{12.79}$ 27.01	$\frac{8}{4.93}$ 27.77	$\frac{0}{5.11}$ 33.01	$\frac{40}{16.27}$ 21.08		
64400						$\frac{48}{14.23}$ 23.11	$\frac{37}{13.08}$ 25.11	$\frac{0}{5.37}$ 22.70	$\frac{0}{5.65}$ 32.50	$\frac{45}{18.00}$ 20.15		
64200						$\frac{42}{15.3}$ 22.11	$\frac{37}{13.1}$ 21.11	$\frac{13}{7.45}$ 20.7	$\frac{0}{7.43}$ 30.72	$\frac{26}{10.43}$ 27.72		
64000	3.36	35.74		32.38								
640+11					$\frac{45}{13.21}$ 22.11	$\frac{27}{10.26}$ 25.48	$\frac{33}{8.57}$ 27.17	$\frac{7}{7.60}$ 28.14	$\frac{0}{4.49}$ 29.51	$\frac{6}{3.63}$ 31.25	$\frac{13}{4.04}$ 31.70	$\frac{32}{7.07}$ 28.47

77					33		47	2	47	78
Sta	+	HI	-	EI	33					
TBM 638				32.38	35.46					
638+00	2.42	34.78			43	30	27	S.P.		
					11.13	9.15	4.60	5.23	5.30	37
					25.65	25.11	20.16	29.55	24.48	19.75
							S.P.			
636+00	3.11	35.49			45	39	34	24	0	35
					12.81	11.91	10.60	9.24	5.17	5.45
					22.62	22.00	24.89	24.00	30.04	29.61
TBM 632+00	3.23	35.56		32.32						
634+00					39	33	23	0	0	21
					12.25	9.57	5.15	5.16	10.70	12.64
					23.31	23.11	22.41	30.14	24.86	22.92
TBM 632+00	3.24	35.67		632+00	39	36	6	0	2	15
					12.83	11.59	5.17	5.27	5.50	10.34
					22.44	24.00	26.00	24.10	30.00	25.33
TBM 632+00	2.80	35.13								
630+00	2.00	35.13			42	37	20	4	0	29
					12.28	11.23	10.06	5.25	5.10	5.28
					22.65	21.07	22.88	31.03	29.91	22.62
628+00					43	31	28	6	0	2
TBM 5-11	5.94			29.27	12.34	12.34	11.85	5.07	5.12	5.25
					22.70	27.70	22.00	30.06	30.01	25.78
626+40	5.74	35.21			42	36	20	4	0	29
					12.44	11.05	4.95	5.59	7.08	12.45
					22.70	27.70	22.00	30.06	30.01	25.78

79

D

Stz
TBM
J-10

+

H.I

-

Elev
2924

Lt

B

Rt

624+00

6.70

35.94

 $\frac{34}{13.12}$

22.52

 $\frac{8}{5.70}$

20.11

 $\frac{7}{4.94}$

31.0

 $\frac{0}{5.33}$

27.61

 $\frac{2}{5.41}$

29.53

 $\frac{21}{12.18}$

27.76

622+00

 $\frac{38}{13.14}$

22.0

 $\frac{12}{6.13}$

29.51

 $\frac{12}{5.20}$

30.18

 $\frac{3}{5.32}$

30.7

 $\frac{0}{6.41}$

27.53

 $\frac{25}{13.67}$

27.21

620+00

 $\frac{38}{13.23}$

27.11

 $\frac{15}{6.01}$

29.93

 $\frac{15}{4.99}$

30.76

 $\frac{5}{5.55}$

30.39

 $\frac{0}{7.90}$

26.14

 $\frac{26}{15.92}$

20.62

TBM
622+00

32.31

3.49

35.80

618+00

 $\frac{38}{13.08}$

22.75

 $\frac{16}{5.78}$

30.07

 $\frac{16}{4.98}$

30.82

 $\frac{7}{5.73}$

30.07

 $\frac{0}{8.42}$

27.20

 $\frac{20}{13.55}$

27.25

616+00

 $\frac{41}{13.15}$

27.67

 $\frac{18}{6.21}$

29.57

 $\frac{18}{5.25}$

30.75

 $\frac{8}{6.00}$

29.0

 $\frac{0}{9.07}$

26.73

 $\frac{21}{14.25}$

27.55

614+00

 $\frac{40}{13.06}$

27.14

 $\frac{19}{6.02}$

29.78

 $\frac{19}{5.43}$

30.71

 $\frac{9}{6.05}$

27.75

 $\frac{0}{8.75}$

27.05

 $\frac{18}{12.62}$

27.18

TBM
616+00

31.99

3.61

35.60

Sta	+ H.I	- Elev	WB	LT	B	RT			
81	35.60	9/20/79							
612+00			$\begin{array}{r} 54 \\ 13.43 \\ \hline 22.11 \end{array}$	$\begin{array}{r} 42 \\ 12.98 \\ \hline 22.62 \end{array}$	$\begin{array}{r} 19 \\ 5.43 \\ \hline 31.17 \end{array}$	$\begin{array}{r} 18 \\ 4.98 \\ \hline 30.19 \end{array}$	$\begin{array}{r} 11 \\ 5.21 \\ \hline 30.20 \end{array}$	$\begin{array}{r} 0 \\ 8.34 \\ \hline 27.26 \end{array}$	$\begin{array}{r} 17 \\ 12.26 \\ \hline 24.20 \end{array}$
610+00			$\begin{array}{r} 53 \\ 13.45 \\ \hline 22.15 \end{array}$	$\begin{array}{r} 42 \\ 13.05 \\ \hline 22.65 \end{array}$	$\begin{array}{r} 19 \\ 5.45 \\ \hline 30.15 \end{array}$	$\begin{array}{r} 19 \\ 4.73 \\ \hline 30.87 \end{array}$	$\begin{array}{r} 11 \\ 4.97 \\ \hline 31.23 \end{array}$	$\begin{array}{r} 0 \\ 7.62 \\ \hline 21.93 \end{array}$	$\begin{array}{r} 15 \\ 11.44 \\ \hline 24.11 \end{array}$
TBM 610		32.30							
	3.50	35.80							
608+00			$\begin{array}{r} 53 \\ 13.55 \\ \hline 22.11 \end{array}$	$\begin{array}{r} 43 \\ 13.00 \\ \hline 22.16 \end{array}$	$\begin{array}{r} 19 \\ 5.81 \\ \hline 29.72 \end{array}$	$\begin{array}{r} 19 \\ 5.25 \\ \hline 30.75 \end{array}$	$\begin{array}{r} 10 \\ 5.32 \\ \hline 30.20 \end{array}$	$\begin{array}{r} 0 \\ 7.58 \\ \hline 21.12 \end{array}$	$\begin{array}{r} 17 \\ 14.78 \\ \hline 20.62 \end{array}$
606+00			$\begin{array}{r} 50 \\ 13.46 \\ \hline 22.14 \end{array}$	$\begin{array}{r} 43 \\ 13.04 \\ \hline 22.54 \end{array}$	$\begin{array}{r} 19 \\ 6.16 \\ \hline 29.44 \end{array}$	$\begin{array}{r} 19 \\ 5.46 \\ \hline 30.14 \end{array}$	$\begin{array}{r} 10 \\ 5.87 \\ \hline 29.73 \end{array}$	$\begin{array}{r} 0 \\ 8.77 \\ \hline 20.83 \end{array}$	$\begin{array}{r} 15 \\ 15.02 \\ \hline 20.58 \end{array}$
604+00			$\begin{array}{r} 55 \\ 13.36 \\ \hline 22.14 \end{array}$	$\begin{array}{r} 43 \\ 13.10 \\ \hline 22.50 \end{array}$	$\begin{array}{r} 18 \\ 5.90 \\ \hline 29.11 \end{array}$	$\begin{array}{r} 18 \\ 4.98 \\ \hline 30.62 \end{array}$	$\begin{array}{r} 9 \\ 5.72 \\ \hline 29.88 \end{array}$	$\begin{array}{r} 0 \\ 8.78 \\ \hline 20.82 \end{array}$	$\begin{array}{r} 15 \\ 13.82 \\ \hline 21.98 \end{array}$
TBM 604		30.18							
	5.55	35.73							
602+00			$\begin{array}{r} 56 \\ 13.46 \\ \hline 22.11 \end{array}$	$\begin{array}{r} 42 \\ 13.09 \\ \hline 22.54 \end{array}$	$\begin{array}{r} 16 \\ 5.71 \\ \hline 30.02 \end{array}$	$\begin{array}{r} 16 \\ 5.19 \\ \hline 30.54 \end{array}$	$\begin{array}{r} 8 \\ 5.68 \\ \hline 30.07 \end{array}$	$\begin{array}{r} 0 \\ 8.10 \\ \hline 21.63 \end{array}$	$\begin{array}{r} 18 \\ 13.80 \\ \hline 21.93 \end{array}$

83

STA

+

HI

-

EL

Lt.

Rt.

Rt.

35.73

600+00

	WE	SP				
57	40	16	16	7	0	19
<u>13.23</u>	<u>13.21</u>	<u>5.85</u>	<u>4.93</u>	<u>5.30</u>	<u>7.64</u>	<u>12.61</u>
27.46	22.62	27.70	30.86	30.60	30.64	21.12

TBM
598

32.18

3.47

35.65

598+00

	WE	SP				
37	15	15	15	6	0	19
<u>13.05</u>	<u>6.45</u>	<u>5.25</u>	<u>5.48</u>	<u>7.49</u>	<u>14.28</u>	
22.10	29.20	30.40	27.17	28.16	21.11	

596+00

	WE	SP				
54	37	14	14	5	0	22
<u>13.05</u>	<u>13.06</u>	<u>6.50</u>	<u>5.15</u>	<u>5.39</u>	<u>6.46</u>	<u>14.13</u>
22.10	29.56	29.15	30.50	30.26	29.19	21.52

594+00

	WE	SP				
52	35	13	13	4	0	23
<u>13.59</u>	<u>13.04</u>	<u>5.74</u>	<u>5.24</u>	<u>5.29</u>	<u>6.23</u>	<u>14.30</u>
22.10	29.08	29.06	30.41	30.36	29.12	21.35

592+00

	WE	SP				
60	35	12	12	3	0	20
<u>13.18</u>	<u>12.92</u>	<u>5.74</u>	<u>4.99</u>	<u>5.20</u>	<u>6.25</u>	<u>13.53</u>
22.10	29.84	29.91	30.66	30.15	29.11	22.12

TBM
592

32.20

2.46

34.66

590+00

	WE	SP				
49	37	11	11	1	0	19
<u>12.66</u>	<u>12.30</u>	<u>4.88</u>	<u>4.72</u>	<u>4.71</u>	<u>4.97</u>	<u>12.00</u>
22.10	22.66	29.70	29.94	29.95	29.69	22.66

85

86

STA

+

HI

-

EL

Lt.

Ø

Rt.

34.66

588+00

	<u>WE</u>	<u>SP</u>			
<u>37</u>	<u>29</u>	<u>10</u>	<u>10</u>	<u>1</u>	<u>0</u>
12.55	12.11	5.19	5.30	5.30	5.73
22.11	22.85	25.17	29.21	27.00	26.20

586+00

	<u>WE</u>	<u>SP</u>			
<u>36</u>	<u>30</u>	<u>12</u>	<u>12</u>	<u>3</u>	<u>0</u>
12.52	12.10	5.40	4.95	5.17	6.33
22.14	22.56	27.10	29.11	27.40	27.80

TBM
586

32.11

3.14 35.25

584+00

	<u>WE</u>	<u>SP</u>			
<u>43</u>	<u>31</u>	<u>13</u>	<u>13</u>	<u>4</u>	<u>0</u>
13.73	12.45	6.10	4.96	5.63	6.67
27.46	23.8	29.13	29.11	27.62	29.50

582+00

	<u>WE</u>	<u>SP</u>			
<u>37</u>	<u>32</u>	<u>13</u>	<u>13</u>	<u>6</u>	<u>0</u>
13.44	12.80	5.97	5.36	5.84	8.01
21.81	22.45	29.11	29.00	27.41	27.24

580+00

	<u>WE</u>	<u>SP</u>			
<u>42</u>	<u>35</u>	<u>13</u>	<u>13</u>	<u>5</u>	<u>0</u>
13.20	12.51	5.70	5.37	6.05	7.87
22.25	22.74	29.17	29.01	27.27	27.25

TBM
574

33.81

1.33 35.14

87

88

STA	+	HI	-	EL	LT.	RT
578+00		35.14			WE $\frac{39}{12.39}$ 22.75 SP $\frac{13}{5.39}$ $\frac{13}{5.08}$ 29.75 29.25 5 0 23 $\frac{5.95}{29.17}$ $\frac{7.41}{29.73}$ $\frac{15.08}{16}$ 9.16	
576+00					$\frac{35}{13.62}$ 21.52 $\frac{30}{12.39}$ 22.10 SP $\frac{12}{6.10}$ $\frac{12}{5.88}$ 29.04 29.04 4 0 24 $\frac{5.65}{29.10}$ $\frac{6.71}{29.12}$ $\frac{14.38}{18.72}$	
TBM 574				33.81	VOID	
574+00	1.31	35.12			WE $\frac{33}{12.43}$ 21.7 SP $\frac{12}{5.41}$ $\frac{12}{5.52}$ 27.71 29.00 5 0 23 $\frac{5.48}{29.61}$ $\frac{7.08}{29.04}$ $\frac{16.15}{18.97}$	
572+00					WE $\frac{38}{13.24}$ 17.0 $\frac{33}{12.43}$ 27.6 SP $\frac{12}{5.67}$ $\frac{12}{5.42}$ 29.15 29.71 5 0 24 $\frac{5.34}{29.78}$ $\frac{6.70}{29.12}$ $\frac{15.95}{19.17}$	
570+00					WE $\frac{37}{13.51}$ 21.6 $\frac{31}{12.43}$ 22.6 SP $\frac{12}{5.63}$ $\frac{12}{5.47}$ 29.25 29.25 5 0 24 $\frac{5.77}{29.35}$ $\frac{7.28}{27.94}$ $\frac{15.90}{19.22}$	
568+00					WE $\frac{31}{12.43}$ 21.7 $\frac{12}{5.67}$ 24.1 SP $\frac{12}{5.66}$ 29.22 4 0 25 $\frac{5.90}{29.22}$ $\frac{7.08}{29.04}$ $\frac{15.95}{19.7}$	
TBM 566				34.04		
	0.54	34.58				

B9	STA	+	HI	-	EL			Lt.	#	RT.		
			34.58									
566+00						WE	SP					
						36 12.46 27.12	33 11.53 23.05	12 5.50 20.12	12 5.30 20.27	4 5.61 23.91	0 6.76 27.92	24 15.16 19.22
564+00						WE	SP					
						35 12.77 11.81	29 11.84 23.74	12 5.63 28.45	12 5.31 20.21	5 5.33 29.25	0 6.45 27.73	22 14.48 20.16
562+00						WE	SP		TP			
						33 12.43 17.15	30 11.59 23.90	11 5.02 29.57	11 4.70 20.23	4 5.23 20.21	0 6.33 28.25	25 15.14 19.44
TBM 556			34.2		31.2 34.13							
	0.83		34.96									
560+00						WE	SP	TOP	TOP			
						26 11.69 23.22	0 5.57 20.22	8 5.59 29.22	0 5.88 29.07	27 14.97 19.25		
558+00						WE	SP	TOP	TOP	WE		
						32 12.54 22.98	26 11.69 23.22	5 5.53 27.39	5 5.05 29.87	0 5.52 20.20	2 5.81 29.11	25 15.07 19.85
<p>9/20/79 Lost 2 hrs. - rain</p>												

41

9/21/79

5

12

STA
TBM
556

+

HI

-

EL

31
34.13

Lt.

~~B~~

Rt.

1.53 35.66

556+00

	WE		SP TOP		TOP	
31	25	3	3	0	5	27
13.48	12.41	5.72	5.68	5.61	5.60	15.27
27.14	25.21	27.5	29.84	29.01	30.02	20.25

554+00

	WE		SP TOP		TOP	
31	26	2	2	0	6	26
13.63	12.68	5.24	5.20	5.13	5.60	14.04
21.01	22.04	30.22	20.12	20.49	30.02	21.58

93

SECTIONS - ORLEANS SIDE

(O DIST. = FACE OF S.P. WALL)

4

STA	+	HI	-	EL
TBM-1				30.44
	1.65	32.09		

541+43	ASP	SP	NG	TOE	TOP	TOE	TOP
	0	2	2	17	39	19	39
	4.67	4.47	7.25	6.48	1.94	1.91	6.59

43
541+90

147	141	146	141	146	215
SP	SP	NG	TOE	TOP	TOE
0	2	2	18	40	66
4.42	4.42	7.78	6.70	1.66	5.26
27.77	27.67	28.21	25.7	28.18	26.82

541+90

151	157	156	157	201	215
SP	SP	NG	TOE	TOP	TOE
0	2	2	15	38	61
4.45	4.45	8.02	7.30	1.97	5.55
27.64	27.61	27.1	25.7	26.12	26.54

543+60

151	151	151	157	206	214
SP	SP	NG	TOE	TOP	TOE
0	2	2	22	43	67
4.53	4.53	8.62	7.53	1.92	8.03
27.66	27.5	27.1	25.7	27.17	27.1

TBM-2

4.18 31.51

27.33

O DIST

VOID

CONC. CAP

sheet pile

WATER

NOTE: DISTANCES WRONG - SEE BASELINE CALC. BOOK

CORRECTIONS IN RED

95

STA	+	HI	-	EL				
544+52		$\begin{array}{r} 161 \\ \text{SP} \\ 31.51 \\ \underline{0} \\ 3.93 \\ 27.5 \end{array}$	$\begin{array}{r} 161 \\ \text{SP} \\ 2 \\ \underline{2} \\ 3.92 \\ 27.5 \end{array}$	$\begin{array}{r} 164 \\ \text{NG} \\ 2 \\ \underline{2} \\ 8.47 \\ 27.1 \end{array}$	$\begin{array}{r} 140 \\ \text{TOE} \\ 18 \\ \underline{18} \\ 8.23 \\ 27.1 \end{array}$	$\begin{array}{r} 205 \\ \text{TOP} \\ 43 \\ \underline{43} \\ 2.03 \\ 29.48 \end{array}$	$\begin{array}{r} 147 \\ \text{TOP} \\ 50 \\ \underline{50} \\ 2.20 \\ 27.21 \end{array}$	$\begin{array}{r} 143 \\ \text{TOE} \\ 73 \\ \underline{73} \\ 8.76 \\ 22.75 \end{array}$
546+00		$\begin{array}{r} 170 \\ \text{SP} \\ 0 \\ \underline{0} \\ 4.17 \\ 27.1 \end{array}$	$\begin{array}{r} 172 \\ \text{SP} \\ 2 \\ \underline{2} \\ 4.17 \\ 27.1 \end{array}$	$\begin{array}{r} 112 \\ \text{NG} \\ 2 \\ \underline{2} \\ 8.47 \\ 27.1 \end{array}$	$\begin{array}{r} 145 \\ \text{TOE} \\ 25 \\ \underline{25} \\ 8.10 \\ 27.41 \end{array}$	$\begin{array}{r} 217 \\ \text{TOP} \\ 47 \\ \underline{47} \\ 2.26 \\ 29.25 \end{array}$	$\begin{array}{r} 127 \\ \text{TOP} \\ 57 \\ \underline{57} \\ 1.82 \\ 27.6 \end{array}$	LEVEE TO SIDE
547+15		$\begin{array}{r} 128 \\ \text{SP} \\ 0 \\ \underline{0} \\ 4.07 \\ 27.11 \end{array}$	$\begin{array}{r} 111 \\ \text{SP} \\ 2 \\ \underline{2} \\ 4.07 \\ 27.11 \end{array}$	$\begin{array}{r} 112 \\ \text{NG} \\ 2 \\ \underline{2} \\ 8.78 \\ 22.75 \end{array}$	$\begin{array}{r} 144 \\ \text{TOE} \\ 24 \\ \underline{24} \\ 8.85 \\ 27.66 \end{array}$	$\begin{array}{r} 218 \\ \text{TOP} \\ 50 \\ \underline{50} \\ 1.82 \\ 29.69 \end{array}$	$\begin{array}{r} 217 \\ \text{TOP} \\ 58 \\ \underline{58} \\ 1.92 \\ 27.58 \end{array}$	$\begin{array}{r} 211 \\ \text{TOE} \\ 78 \\ \underline{78} \\ 8.35 \\ 24.16 \end{array}$
548+20		$\begin{array}{r} 110 \\ \text{SP} \\ 0 \\ \underline{0} \\ 3.97 \\ 27.5 \end{array}$	$\begin{array}{r} 116 \\ \text{SP} \\ 2 \\ \underline{2} \\ 3.97 \\ 27.5 \end{array}$	$\begin{array}{r} 116 \\ \text{NG} \\ 2 \\ \underline{2} \\ 9.59 \\ 27.5 \end{array}$	$\begin{array}{r} 171 \\ \text{TOE} \\ 29 \\ \underline{29} \\ 8.73 \\ 27.11 \end{array}$	$\begin{array}{r} 224 \\ \text{TOP} \\ 54 \\ \underline{54} \\ 1.81 \\ 29.7 \end{array}$	$\begin{array}{r} 22 \\ \text{TOP} \\ 60 \\ \underline{60} \\ 1.91 \\ 29.6 \end{array}$	$\begin{array}{r} 216 \\ \text{TOE} \\ 76 \\ \underline{76} \\ 7.19 \\ 24.52 \end{array}$
TBM-3				28.74				
	3.40	32.14						
549+22		$\begin{array}{r} 111 \\ \text{SP} \\ 0 \\ \underline{0} \\ 4.56 \\ 27.5 \end{array}$	$\begin{array}{r} 112 \\ \text{SP} \\ 2 \\ \underline{2} \\ 4.56 \\ 27.5 \end{array}$	$\begin{array}{r} 11 \\ \text{NG} \\ 2 \\ \underline{2} \\ 9.72 \\ 27.82 \end{array}$	$\begin{array}{r} 141 \\ \text{TOE} \\ 31 \\ \underline{31} \\ 9.38 \\ 27.16 \end{array}$	$\begin{array}{r} 220 \\ \text{TOP} \\ 56 \\ \underline{56} \\ 2.60 \\ 29.54 \end{array}$	$\begin{array}{r} 232 \\ \text{TOP} \\ 62 \\ \underline{62} \\ 2.56 \\ 27.5 \end{array}$	$\begin{array}{r} 250 \\ \text{TOE} \\ 80 \\ \underline{80} \\ 7.71 \\ 24.43 \end{array}$

NOTE: DISTANCES
WRONG - SEE
BASELINE BOOK

97									
STA	+	HI	-	EL					
		32.14							
549+67		$\begin{array}{r} 111 \\ SP \\ 0 \\ \hline 4.56 \\ 27.56 \end{array}$	$\begin{array}{r} 116 \\ SP \\ 2 \\ \hline 4.56 \\ 27.56 \end{array}$	$\begin{array}{r} 116 \\ NG \\ 2 \\ \hline 8.89 \\ 22.75 \end{array}$	$\begin{array}{r} 121 \\ TOE \\ 30 \\ \hline 9.36 \\ 22.75 \end{array}$	$\begin{array}{r} 229 \\ TOP \\ 55 \\ \hline 2.83 \\ 29.31 \end{array}$	$\begin{array}{r} 231 \\ TOP \\ 63 \\ \hline 2.77 \\ 29.67 \end{array}$	$\begin{array}{r} 254 \\ TOE \\ 80 \\ \hline 2.73 \\ 21.41 \end{array}$	
550+37		$\begin{array}{r} 114 \\ SP \\ 0 \\ \hline 4.58 \\ 27.56 \end{array}$	$\begin{array}{r} 117 \\ SP \\ 2 \\ \hline 4.58 \\ 27.56 \end{array}$	$\begin{array}{r} 116 \\ NG \\ 2 \\ \hline 9.60 \\ 22.54 \\ 2.11 \end{array}$	$\begin{array}{r} 128 \\ TOE \\ 34 \\ \hline 9.36 \\ 22.78 \\ 2.35 \end{array}$	$\begin{array}{r} 230 \\ TOP \\ 56 \\ \hline 2.73 \\ 29.41 \\ 9.0 \end{array}$	$\begin{array}{r} 231 \\ TOP \\ 63 \\ \hline 3.01 \\ 29.13 \\ 8.7 \end{array}$	$\begin{array}{r} 254 \\ TOE \\ 80 \\ \hline 2.76 \\ 24.33 \\ 4.0 \end{array}$	
552+28		$\begin{array}{r} 113 \\ SP \\ 0 \\ \hline 4.95 \\ 27.11 \end{array}$	$\begin{array}{r} 111 \\ SP \\ 2 \\ \hline 4.95 \\ 27.11 \end{array}$	$\begin{array}{r} 111 \\ NG \\ 2 \\ \hline 9.07 \\ 21.01 \end{array}$	$\begin{array}{r} 113 \\ TOE \\ 18 \\ \hline 8.67 \\ 21.17 \end{array}$	$\begin{array}{r} 217 \\ TOP \\ 42 \\ \hline 2.86 \\ 29.38 \end{array}$	$\begin{array}{r} 224 \\ TOP \\ 49 \\ \hline 3.09 \\ 29.05 \end{array}$	$\begin{array}{r} 255 \\ TOE \\ 80 \\ \hline 11.37 \\ 20.71 \end{array}$	

NOTE: DISTANCES
WRONG - SEE
BASELINE CALC.
BOOK
CORRECTIONS
IN REID

99

BRIDGE ELEVATIONS

STA	+	HI	-	EL
TBM-3				28.74
	7.88	36.62		

STA	+	HI	-	EL
TBM				27.71
542+00				
	10.03	37.74		

GUTTER ELEVATIONS
HAMMOND HWY. BRIDGE

	NORTH	SOUTH
EAST ABUT	5.71	30.11
BENT - 1	5.05	31.57
" - 2	4.65	31.11
" - 3	4.50	32.12
" - 4	* 4.50	32.12
" - 5	4.68	31.14
" - 6	4.99	31.65
" - 7	5.58	31.10
WEST ABUT	6.26	30.20

SOUTH

ELEVATIONS - BUCKTOWN BRIDGE

DIST FROM W. ABUT	NORTH		SOUTH	
	EL	EL	EL	EL
W. ABUT	8.02	29.72	8.05	29.67
BENT - 1	6.59	31.15	6.46	31.28
" - 2	5.32	32.42	5.28	32.46
" - 3	5.13	32.61	5.23	32.41
" - 4	5.37	32.37	5.33	32.41
" - 5	5.35	32.39	5.34	32.40
" - 6	5.58	32.16	5.61	32.13
" - 7	6.21	31.53	6.01	31.73
" - 8	6.76	30.98	6.75	30.98
" - 9	7.29	30.45	7.27	30.47
" - 10	7.80	29.94	7.81	29.93
" - 11	8.19	29.55	8.16	29.58
E ABUT	8.43	29.31	8.52	29.23

SLAB thickness 1.2'

BUCKTOWN BRIDGE
DEPTH OF STREET 35"
water 12-18" below normal

101

STA	+	HI	-	EL
J-10				29.24

5.23	34.47
------	-------

VETERANS Hwy BRIDGES

		WBND - NORTH	EL	WBND - SOUTH	EL	EBND - NORTH	EL	EBND - SOUTH	EL
W. ABUT		5.92	28.55	5.25	29.22	5.27	29.10	5.84	28.63
JOINT - 1		5.35	29.12	4.70	29.17	4.71	29.16	5.33	29.14
" - 2		4.96	29.51	4.30	30.11	4.27	30.20	4.93	29.54
" - 3		4.94	29.50	4.27	30.20	4.29	30.18	4.93	29.51
" - 4		5.33	29.14	4.68	29.79	4.66	29.81	5.29	29.18
E. ABUT		5.88	28.51	5.21	29.26	5.23	29.24	5.80	28.61

		DIST. FROM # TO STAKE					
103	LT.				LT.		14
670+00	51'			632+00	38'		
668+00	45'			634+00	36'		
666+00	51'			636+00	52'		
664+00	52'			638+00	46'		
662+00	50'			640+00	45'		
660+00	51'						
658+00	53'			624+00	53'		
656+00	57'			622+00	50'		
654+00	55'			620+00	54'		
652+00	53'			618+00	55'		
650+00	52'			616+00	48'		
648+00	52'			614+00	48'		
646+00	52'			612+00	53'		
644+00	51'			610+00	53'		
642+00	44'			608+00	54'		
				606+00	55'		
626+40	48'			604+00	55'		
628+00	48'			602+00	57'		
630+00	43'			600+00	55'		
				598+00	62'		

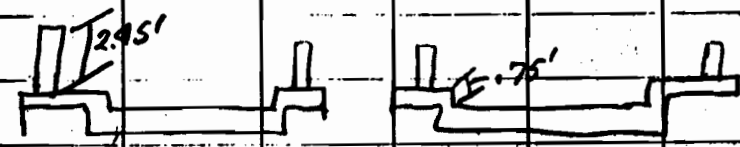
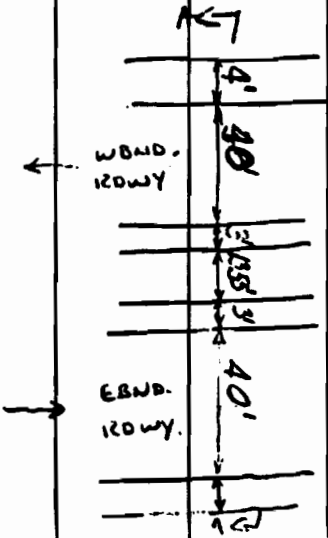
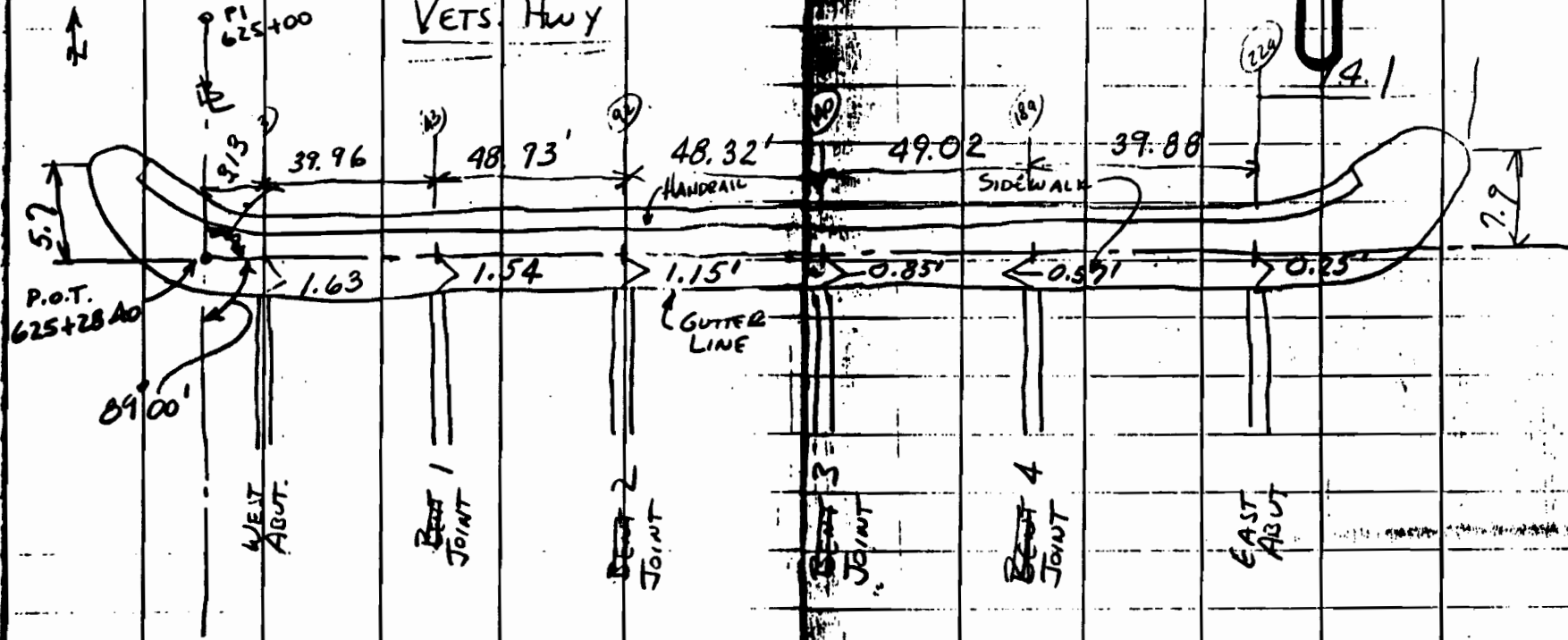
105	Lt					Lt		106
596+00	60'					558+00	52'	
594+00	59'					556+00	29 31'	
592+00	64'					554+00	62	Mark on Dock
590+00	54'							
588+00	53'							
586+00	42'							
584+00	37'							
582+00	55'							
580+00	37'							
578+00	51'							
576+00	32'							
574+00	41'							
572+00	43'							
570+00	48'							
568+00	34'							
566+00	42'							
564+00	35'							
562+00	53'							
560+00	41'							

07

TOPO

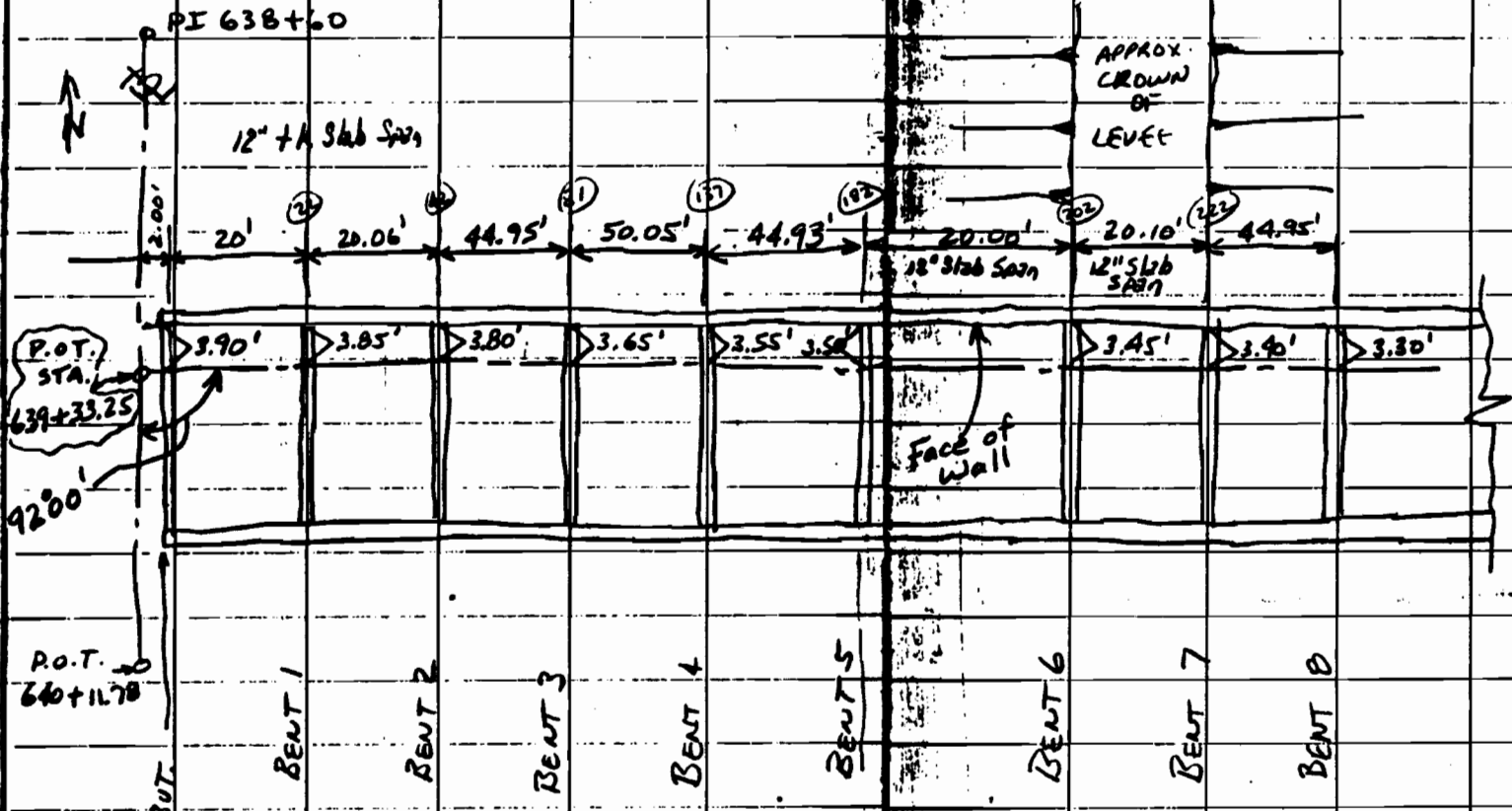
BRIDGE:
VETS. Hwy

102)



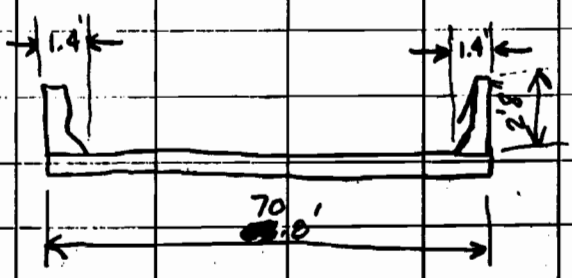
I-10 WESTBOUND

638 50
73.25
639 33.25



DEPTH OF STRUCTURE BELOW GUTTER LINE.

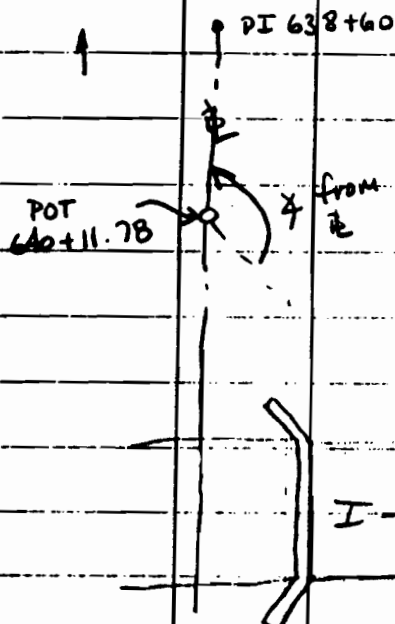
1) SLAB	7 1/2"
2) GIRDER	36"
TOTAL	43 1/2"



ELEVATIONS - I-10 WEST BOUND

STA	+	HI	NORTH	GUTTER EL	SOUTH	GUTTER EL
TBM 630				32.38		
	2.45	34.83				
W. ABUT			5.14	29.69	4.73	30.10
BENT 1			4.69	30.14	4.32	30.51
" 2			4.30	30.53	3.95	30.88
" 3			3.54	31.29	3.22	31.61
" 4			2.95	31.82	2.61	32.22
" 5			2.96	31.87	2.10	32.73
" 6			2.53	32.11	2.03	32.80
" 7			2.50	32.53	1.91	32.92
" 8			2.00	32.63	2.00	32.83

I-610 EASTBOUND



27" Girder
7 1/2" Slab
2"
36 1/2" Depth of Str

LOCATE GUTTER LINE BY STADIA

	4 from E	DIST
W. ABUT	173° 23'	57
BENT 1	155° 51'	63
" 2	142° 05'	75
3	124° 12'	110
4	114° 42'	155
5	109° 32'	203
6	106° 55'	241

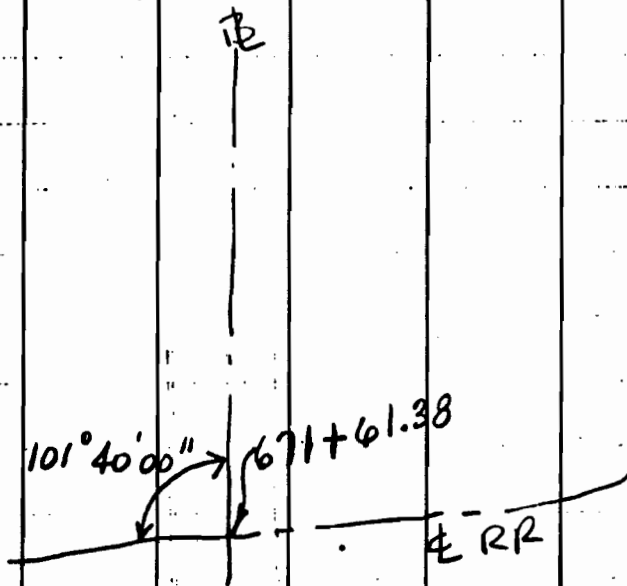
I-10 BUSINESS

LOCATE NORTH GUTTER LINE BY STADIA

	4 FROM E	DIST.
W. ABUT	176° 59'	136
BENT 1	168° 32'	144
2	161° 23'	151
3	148° 41'	178
4	138° 35'	214
5	132° 01'	252

36 1/2" Depth of Str

RAILROAD BRIDGE



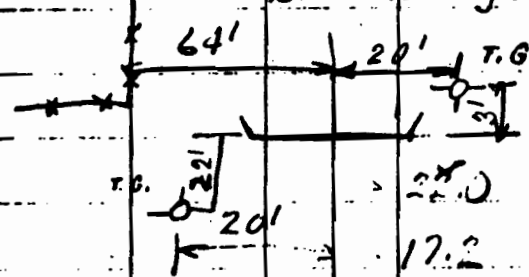
Elevation - I-610 Eastbound

Stz	+ H.I.	- Elev		
B.M. 638				32.38
	5.41	37.79		
			North Gutter	South Gutter
W. Abut	6.34	31.45	6.71	31.06
Pent 1	6.34	31.78	6.43	31.36
2	5.68	32.11	6.04	31.75
3	4.90	32.89	5.27	32.52
4	4.16	33.63	4.54	33.25
5	3.55	34.24	3.93	33.86
6	3.32	34.47	3.66	34.13
7	3.03	34.76	3.42	34.37
8				

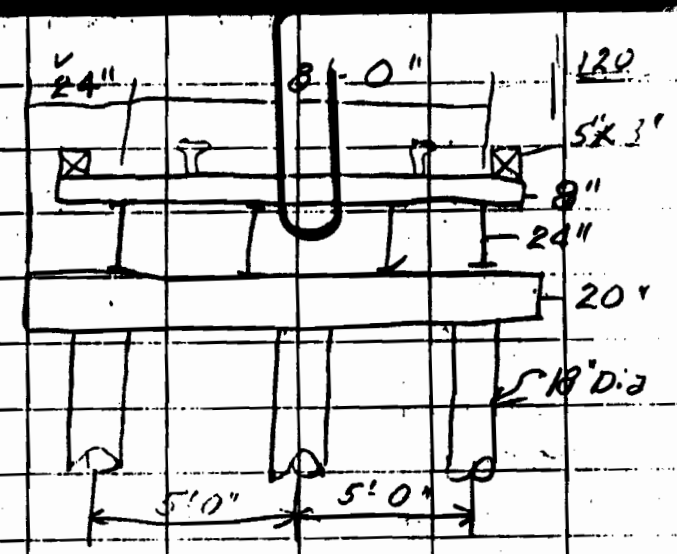
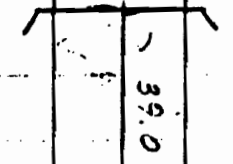
Elevation I-10 BUS.					Elev. R.R. Bridge				
Sta	+	H.I.	-	Elev	Sta	+	H.I.	-	Elev
TBM 638				32.33	TBM 670				33.11
	5.41	37.79				4.19	37.30		
		North Gutter		South Gutter			North side		
W. Abut		8.11	29.68	8.44	29.35	W. Abut.		7.59	24.71
Bent 1		7.84	29.95	8.25	29.54	E. Abut.		7.50	24.20
2	✓	7.45	30.34	7.79	30.00				
3	✓	6.84	30.95	7.20	30.59				
4	✓	6.30	31.49	6.62	31.17				
5		5.89	31.90	6.15	31.51				
6		5.75	32.04	6.15	31.64				

12

R.R. Bridge Bent 10



25.0	East Abut.
17.2	Bent 10
23.2	Bent 9
17.2	Bent 8
23.2	Bent 7
17.2	Bent 6
23.2	Bent 5
17.2	Bent 4
23.2	Bent 3
17.2	Bent 2
14.7	Bent 1
21.70	West Abut.



32" Depth of Str.

R

Dist from 16 to Conc. Wall "Orleans"

Stz.	Dist.	Stz.	Dist.	Stz.	Dist.	Stz.	Dist.
554+00	208'	588+00	232'	622+00 598+00		218'	
556+00	206'	590+00	237'	624+00		218'	
558+00	205'	592+00	241'	626+40		229'	
560+00	202'	594+00	238'	628+00		216'	
562+00	204'	596+00	237'	630+00		212'	
564+00	204'	598+00	235'	632+00		209'	
566+00	204'	600+00	234'	634+00		205'	
568+00	205'	602+00	231'				
570+00	203'	604+00	231'				
572+00	203'	606+00	230'				
574+00	203'	608+00	228'				
576+00	203'	610+00	227'				
578+00	208'	612+00	225'				
580+00	213'	614+00	225'				
582+00	216'	616+00	225'				
584+00	223'	618+00	225'				
586+00	227'	620+00	222'				

Plans
NOT BASED
ON THESE

125										
Sta	+ TBM	H.I.	Lt. -	Elev.	Rt	Sta	+ TBM	H.I.	Lt. -	Elev.
				30.17		582+00	25 9.98	211 4.40	210 3.96	210 1.13
596+00	1.05 27 11.29	211 7 4.12	211 2 3.76	211 0 1.00	211 1 5.90					30.04
594+00	28 11.82	211 7 4.42	211 2 3.95	211 0 1.03	211 1 4.95	1.09				
592+00	24 12.28	211 10 4.41	211 2 3.82	211 0 1.01	211 1 5.80	580+00	25 7.95	214 4.26	215 3.60	213 0.95
590+00	24 10.69	217 10 4.53	211 2 3.88	211 0 1.12	211 1 5.75	578+00	30 10.28	210 4.31	210 3.81	210 0.96
TBM 10				30.24		576+00	29 10.66	210 4.86	208 4.08	208 1.09
	1.12	212				574+00	29 9.67	217 4.38	205 3.63	203 0.81
588+00	27 11.16	241 10 4.21	211 2 3.74	211 0 1.16	211 1 6.37	TBM 13				30.34
586+00	29 11.48	211 11 3.34	211 2 3.84	211 0 1.13	211 1 6.46		0.76	211		
584+00	29 12.26	211 11 4.44	211 2 3.90	211 0 1.21	211 1 6.22	572+00	16 5.29	215 4.05	203 3.52	203 0.75
						570+00	22 6.73	215 4.32	205 3.49	201 0.76

Sta	+	H.I.	-	Elev.	Rt	Sta	+	H.I.	-	Elev.	Rt
568+00	$\frac{20}{6.33}$	$\frac{217}{3.83}$	$\frac{2}{3.67}$	$\frac{0}{0.23}$	7.74	556+00	$\frac{33}{12.84}$	$\frac{11}{5.08}$	$\frac{2}{4.48}$	$\frac{0}{1.20}$	$\frac{1}{5.77}$
566+00	$\frac{16}{2.95}$	$\frac{216}{3.89}$	$\frac{2}{3.74}$	$\frac{0}{0.84}$	7.58	554+00	$\frac{35}{12.92}$	$\frac{12}{5.07}$	$\frac{2}{4.44}$	$\frac{0}{1.64}$	$\frac{1}{5.20}$
TBM 14				30.31							
	2.40	32.0									
564+00	$\frac{20}{7.75}$	$\frac{216}{5.76}$	$\frac{2}{5.50}$	$\frac{0}{2.41}$	9.31						
562+00	$\frac{17}{8.11}$	$\frac{216}{6.01}$	$\frac{2}{5.67}$	$\frac{0}{2.50}$	8.01						
560+00	—	$\frac{216}{5.96}$	$\frac{2}{5.60}$	$\frac{0}{2.41}$	8.08						
TBM 16				30.42							
	1.63	32.0									
558+00	$\frac{16}{6.52}$	$\frac{216}{4.63}$	$\frac{2}{4.30}$	$\frac{0}{1.67}$	7.09						

Sta	+	H.I.	-	Elev	← Lt	→ Lt	+	H.I.	-	Elev.	← Lt	→ Lt
TBM 19				30.51						30.40		
626+00	0.50						5.48	35.80				
628+00												
630+00												
TBM 18				30.65								
632+00												
634+00												
TBM-19				30.51								
636+00												
638+00												

water edge

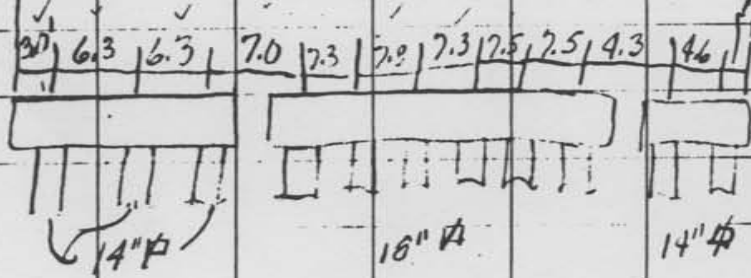
water edge stake

211	212	213	214
215	216	217	218
219	220	221	222
223	224	225	226
227	228	229	230
231	232	233	234
235	236	237	238
239	240	241	242
243	244	245	246
247	248	249	250
251	252	253	254
255	256	257	258
259	260	261	262
263	264	265	266
267	268	269	270
271	272	273	274
275	276	277	278
279	280	281	282
283	284	285	286
287	288	289	290
291	292	293	294
295	296	297	298
299	300	301	302
303	304	305	306
307	308	309	310
311	312	313	314
315	316	317	318
319	320	321	322
323	324	325	326
327	328	329	330
331	332	333	334
335	336	337	338
339	340	341	342
343	344	345	346
347	348	349	350
351	352	353	354
355	356	357	358
359	360	361	362
363	364	365	366
367	368	369	370
371	372	373	374
375	376	377	378
379	380	381	382
383	384	385	386
387	388	389	390
391	392	393	394
395	396	397	398
399	400	401	402
403	404	405	406
407	408	409	410
411	412	413	414
415	416	417	418
419	420	421	422
423	424	425	426
427	428	429	430
431	432	433	434
435	436	437	438
439	440	441	442
443	444	445	446
447	448	449	450
451	452	453	454
455	456	457	458
459	460	461	462
463	464	465	466
467	468	469	470
471	472	473	474
475	476	477	478
479	480	481	482
483	484	485	486
487	488	489	490
491	492	493	494
495	496	497	498
499	500	501	502
503	504	505	506
507	508	509	510
511	512	513	514
515	516	517	518
519	520	521	522
523	524	525	526
527	528	529	530
531	532	533	534
535	536	537	538
539	540	541	542
543	544	545	546
547	548	549	550
551	552	553	554
555	556	557	558
559	560	561	562
563	564	565	566
567	568	569	570
571	572	573	574
575	576	577	578
579	580	581	582
583	584	585	586
587	588	589	590
591	592	593	594
595	596	597	598
599	600	601	602
603	604	605	606
607	608	609	610
611	612	613	614
615	616	617	618
619	620	621	622
623	624	625	626
627	628	629	630
631	632	633	634
635	636	637	638
639	640	641	642
643	644	645	646
647	648	649	650
651	652	653	654
655	656	657	658
659	660	661	662
663	664	665	666
667	668	669	670
671	672	673	674
675	676	677	678
679	680	681	682
683	684	685	686
687	688	689	690
691	692	693	694
695	696	697	698
699	700	701	702
703	704	705	706
707	708	709	710
711	712	713	714
715	716	717	718
719	720	721	722
723	724	725	726
727	728	729	730
731	732	733	734
735	736	737	738
739	740	741	742
743	744	745	746
747	748	749	750
751	752	753	754
755	756	757	758
759	760	761	762
763	764	765	766
767	768	769	770
771	772	773	774
775	776	777	778
779	780	781	782
783	784	785	786
787	788	789	790
791	792	793	794
795	796	797	798
799	800	801	802
803	804	805	806
807	808	809	810
811	812	813	814
815	816	817	818
819	820	821	822
823	824	825	826
827	828	829	830
831	832	833	834
835	836	837	838
839	840	841	842
843	844	845	846
847	848	849	850
851	852	853	854
855	856	857	858
859	860	861	862
863	864	865	866
867	868	869	870
871	872	873	874
875	876	877	878
879	880	881	882
883	884	885	886
887	888	889	890
891	892	893	894
895	896	897	898
899	900	901	902
903	904	905	906
907	908	909	910
911	912	913	914
915	916	917	918
919	920	921	922
923	924	925	926
927	928	929	930
931	932	933	934
935	936	937	938
939	940	941	942
943	944	945	946
947	948	949	950
951	952	953	954
955	956	957	958
959	960	961	962
963	964	965	966
967	968	969	970
971	972	973	974
975	976	977	978
979	980	981	982
983	984	985	986
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991	992	993	994
995	996	997	998
999	1000	1001	1002

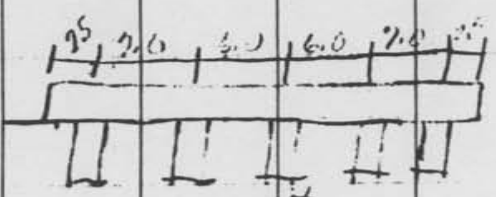
water
4.48

Sta	+	H.I.	-	Elev.
656100	$\frac{211}{12}$	$\frac{71}{4.8}$	$\frac{215}{3.46}$	$\frac{11}{11.75}$
654100	$\frac{210}{25.15}$	$\frac{54}{5.52}$	$\frac{215}{31.03}$	$\frac{111}{24.6}$
TBM 22				31.14
652100	$\frac{219}{10.32}$	$\frac{64}{5.06}$	$\frac{211}{5.10}$	$\frac{111}{12.18}$
650100	$\frac{251}{9.75}$	$\frac{64}{4.40}$	$\frac{214}{4.45}$	$\frac{111}{11.42}$
648100	$\frac{211}{10.23}$	$\frac{61}{4.92}$	$\frac{211}{5.20}$	$\frac{111}{12.27}$
646100	$\frac{211}{9.96}$	$\frac{61}{5.61}$	$\frac{211}{5.25}$	$\frac{111}{12.43}$
646+36 End Fence				
644100	$\frac{211}{8.39}$	$\frac{61}{5.66}$	$\frac{211}{5.40}$	$\frac{111}{11.53}$
TBM 24				30.63
642100	$\frac{211}{8.23}$	$\frac{87}{3.23}$	$\frac{215}{4.92}$	$\frac{111}{4.90}$

Sta	+	H.I.	-	Elev.
640+10 End of (atrl)				32.80
640+11	2.93	35.73		
TBM 670				33.11
638+00	2.79	35.9		
632+00				
626+00				
620+00				
614+00				
608+00				
602+00				
596+00				
590+00				
584+00				
578+00				
572+00				
566+00				
560+00				
554+00				
548+00				
542+00				
536+00				
530+00				
524+00				
518+00				
512+00				
506+00				
500+00				
494+00				
488+00				
482+00				
476+00				
470+00				
464+00				
458+00				
452+00				
446+00				
440+00				
434+00				
428+00				
422+00				
416+00				
410+00				
404+00				
398+00				
392+00				
386+00				
380+00				
374+00				
368+00				
362+00				
356+00				
350+00				
344+00				
338+00				
332+00				
326+00				
320+00				
314+00				
308+00				
302+00				
296+00				
290+00				
284+00				
278+00				
272+00				
266+00				
260+00				
254+00				
248+00				
242+00				
236+00				
230+00				
224+00				
218+00				
212+00				
206+00				
200+00				
194+00				
188+00				
182+00				
176+00				
170+00				
164+00				
158+00				
152+00				
146+00				
140+00				
134+00				
128+00				
122+00				
116+00				
110+00				
104+00				
98+00				
92+00				
86+00				
80+00				
74+00				
68+00				
62+00				
56+00				
50+00				
44+00				
38+00				
32+00				
26+00				
20+00				
14+00				
8+00				
2+00				



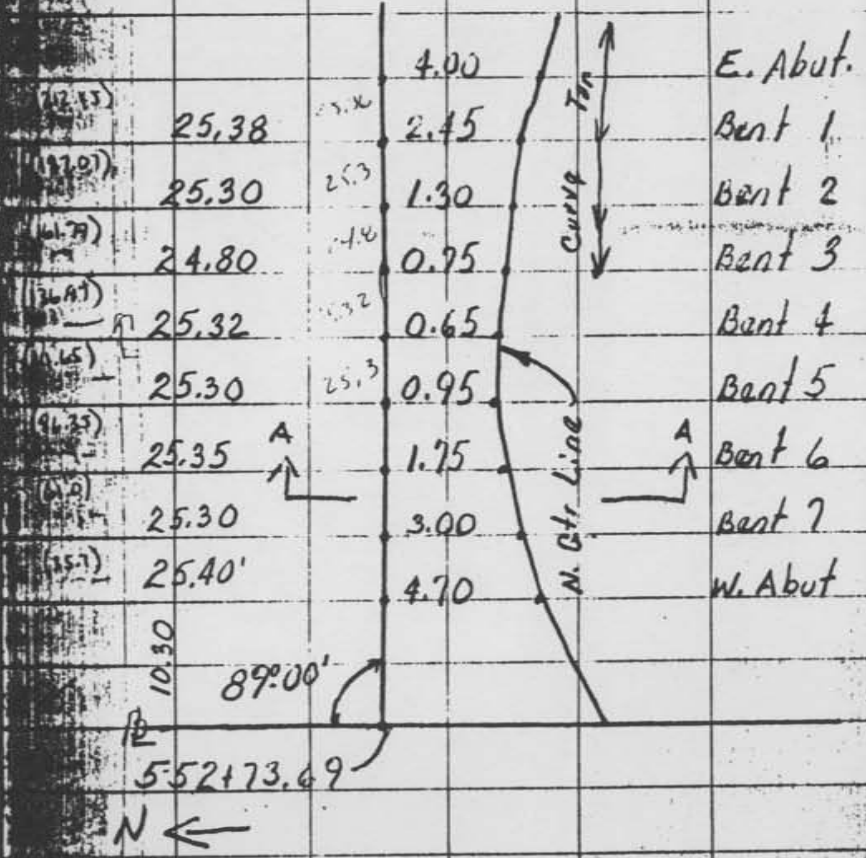
I-10 - West B. and



I 610 - East B. and
I-10 Bus.



Hammond Hwy. Bridge





+76 (30') 2x8'

+62 (16')

+11 (20') E-2x6

556+00

+82 (25') 2' wide

+41 (35') 4' wide

+05 (36')

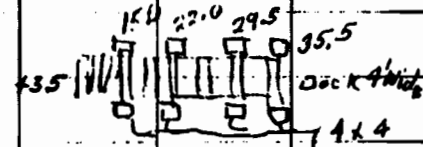
555+00

+88 (36') 4' wide

+73 (36')

+65 (36') 2x4x4

+47 (35') 0-6"



26

12

+06

554+00

+35 12.0'

+22 29.5'

553+15 29.5'

S.P. Orleans

S.P. Orleans

x 16'

x

x

x

x

x

x

x

x

x 16'



558+00

+63 (38')

+58 (28')

+42 (30')

+36 (38')

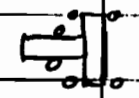
+14 (38')

+11 (38')

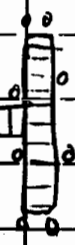
Dock +3 (38')

557+00

+91 (38')



Sunkin Boat



137

7-30-79 Levels for Soundings

138

TBM 542

27.71-

6.20 33.91

WS:

11.89 22.02

TBM
547+02

26.44-

2.75 29.19

WS

6.99 22.20

TBM
554

34.14-

1.30 35.44

WS

13.23 27.21-

@ Sta. 558 - need dist. from @ to face of dock

TBM
562

34.05-

0.51 34.56

WS

12.35 22.21-

TBM
574

33.81-

1.08 34.89

WS

12.71 22.18-

139

TBM
580

2.64 34.75

WS

12.84 22.11

TBM
578

3.26 33.44

WS

13.25 22.17

TBM
610

3.51 33.81

WS

13.01 22.17

TBM
622

3.31 35.62

WS

13.42 22.20

TBM
636

2.62 34.95

WS

12.73 22.22

32.11

TBM
613

7.00 37.12

WS

14.94 22.18
~~14.60 22.52~~

TBM
652

5.12 38.35

WS

16.04 22.31

TBM
664

5.10

38.03

WS

15.72 22.31

TBM
670

33.11

WS

32.33

140

30.12

33.17

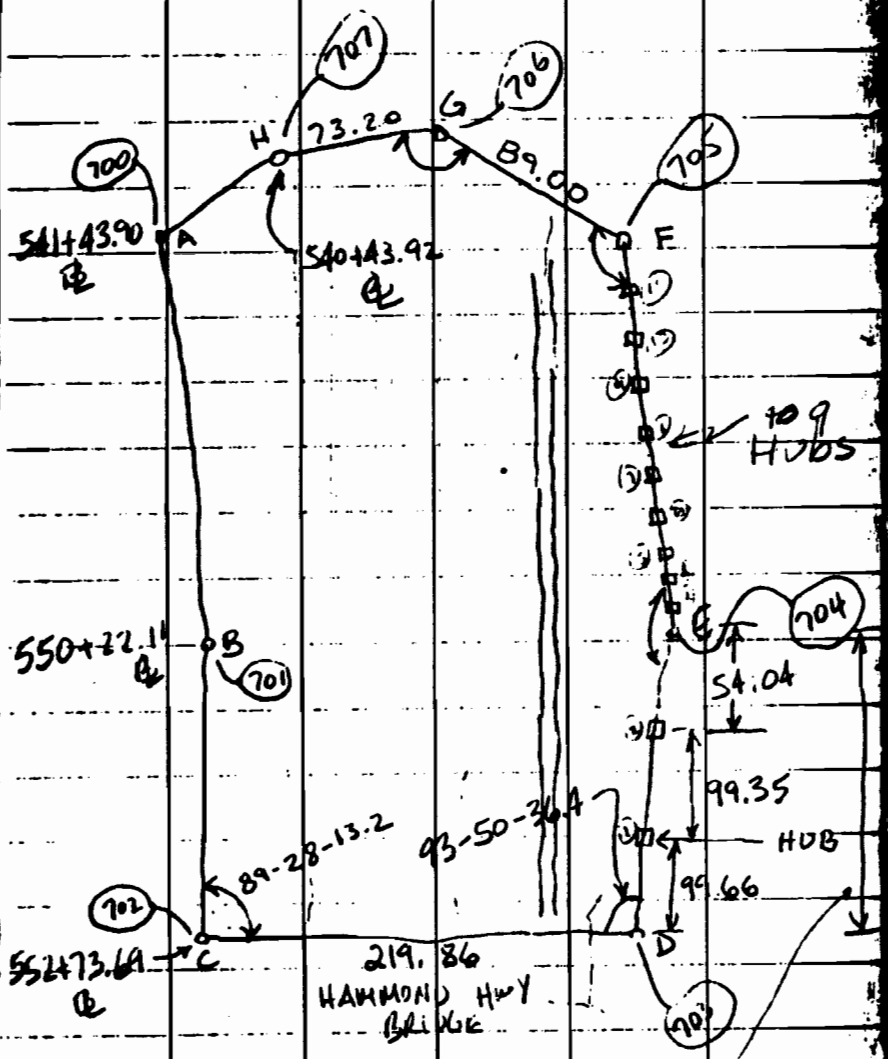
32.93

141 LOCATE EXIST SP WALL - ORLEANS SIDE / BUC Tower

9/2/81 NORM FRANK DANNY LARRY

9/3/81

142



ED = 253.05

$CD = 99.91 + 99.70 + 20.25 = 219.86$
 $\Delta C = 536^{\circ}49'20'' / 6 = 89^{\circ}28'13.3''$
 $\Delta D = 563^{\circ}03'40'' / 6 = 93^{\circ}50'36.7''$
 $\Delta E = 1049^{\circ}37'20'' / 6 = 174^{\circ}56'13.3''$
 $EF = \frac{99.96 + 99.40 + 99.88 + 99.52 + 99.43 + 99.57 + 99.53 + 99.57 + 99.57 + 99.67}{6} = 99.60$
 $\Delta F = 589^{\circ}09'20'' / 6 = 98^{\circ}11'33.3''$
 $\Delta G = 811^{\circ}14'20'' / 6 = 135^{\circ}12'23.3''$

(DISTANCES TO LEVER SIDE OF CAP)

HUB NO	SP WALL	TOE	TOP	TOP	TOE	RET. WALL
1.	47.5	25	5	5	22	31
2	53.7	23	3	6	25	25
E	57.4	25	5	4	31	31
3	55.2	25	5	5	23	23
4	53.1	26	4	5	24	—
5	51.3	27	3	5	25	—
6	49.5	28	4	5	27	—
7	46.7	29	4	5	31	—
8	44.0	28	5	4	34	—
9	42.9	25	5	3	32	—
10	42.0	29	5	3	26	—
11	41.2	28	5	3	23	—
F	41.5	29	5	3	23	—

RET WALL ENDS 21' S OF HUB 4

Soundings	1-16
Topo - Orleans Side	19-32
Topo - Jeff Side	33-41
Topo - Orleans Side (Bucktown)	42
Tie B to Parish Line	43-50
Additional Cross-Sections ^(Jeff)	51-68
Sandbar Survey	69-78
Gage Calibration Survey	79-82
RR. Approach X-sect.	83-88
R.R. Topo.	89-99
Water Surface Profile	100
Toe / Levee Locations	101-102
Sections @ Bridges	103-109
Power Line Pedestal Elev.	110
Levels @ Bucktown Bridge	111-112
Boring Elev. - TOE OF SLOPE	127-130
Truck Ramp at I-10 E' Bd.	131-134

ack
ord
wood

Soundings 9-30-79

Sta + H.I. - Elev

S.P. 541+43 22.02 - 20.2

147	140	139	138	110	100	90	85
9.0	8.4	8.5	9.4	8.5	8.6	8.8	
12.2	13.5	13.7	13.0	12.7	13.0	13.4	

S.P. 541+30
151+90 154 140
10.0

S.P. 540+8
143+60 159 147
13.8

S.P. 544+52 164 150 147
12.2 12.2 12.2

S.P. 546+00 170 160 156 150
16.4 16.4 16.4 16.4

S.P. 547+15 168 153 150 143 133 120 115
15.3 15.1 15.5 14.5 14.5 14.5 15.2

S.P. 548+20 170 160 150 140
15.7 15.5 15.5 15.7

S.P. 549+22 110 160
15.7

70	60	50	40	30	24
8.0	7.3	6.7	5.2		
13.2	14.9	15.5	17.0	17.2	20.2

130	120	110	100	90	80	74
9.8	9.5	9.0	8.9	9.4	7.0	26
12.4	12.7	13.2	13.4	12.3	13.2	19.2

140	130	120	110	100	90	83
10.0	10.1	10.8	10.5	10.4	13.2	13.0
6.2	6.1	5.4	5.9	6.5	9.0	9.2

130	120	110	100	90	86
18.9	18.4	17.7	16.2	12.2	86
3.2	3.6	4.5	6.0	10.0	

136	126	116	106	96	86
20.1	19.4	18.4	16.3	11.5	5.9
2.1	2.5	2.5	5.1	10.7	16.3

9.6 Feet of Dock

100	90	80	70	60	50
14.0	8.0	4.3		5.3	
8.2	14.2	17.9		16.9	

130	120	110	100	96	86
17.7	17.7	16.4	15.8	12.3	86
4.5	4.5	5.5	8.4	9.9	

150	140	130	120	110	100	92
17.1	18.0	18.0	17.2	16.9	16.0	92
5.1	4.2	4.2	5.0	5.3	6.2	

3		(22.20)				
S+3	+	H.I	-	E/C		
549+67	S.P	174	164	161	151	144
		15.1	15.0	17.1	17.1	17.1
		7.1	6.5	5.1	5.0	
550+37	S.P	174	160	150	140	130
		14.3	16.0	16.9	17.8	17.7
		7.4	6.2	5.8	5.4	5.4
552+29	S.P	175	165	160	150	140
		12.3	14.3	15.5	15.5	15.5
		9.9	7.9	6.7		
554+00	22.2	(22.21)				
	184	12.2	10.6	10.0	9.0	8.0
		4.5	10.9	14.2	15.2	15.9
		22.2	17.7	11.0	8.0	7.0
556+00	Water Edge	152	126	120	110	100
		14.1	12.7	15.6	16.3	15.7
		12.1	9.5	6.6	5.9	6.5
558+00	Water Edge	120	110	100	90	80
		7.4	10.3	15.1	15.1	15.1
		14.5	11.9	7.1	6.5	
560+00	Water Edge	142	130	120	110	100
		2.6	3.1	10.8	13.9	16.6
		19.6	11.0	8.5	5.6	6.7
562+00	22.2	(22.21)				
	185	13.2	11.8	11.0	10.0	9.0
		6.6	11.5	13.5	15.1	15.1
		22.2	15.6	10.7	8.7	7.3
564+00	Water Edge	150	133	130	120	110
		3.2	10.4	12.6	14.1	14.1
		22.2	19.0	11.8	9.6	8.1

from 541+43 to 552+28, 0 = 4						
				Deck		Deck
	13.1	13.0	11.2	10.0	9.0	8.0
	13.1	17.7	15.5	12.7	10.4	6.3
	3.3	4.4	6.7	9.3	11.9	15.9
	11.0	10.0	9.0	8.0	7.6	6.0
	15.7	15.2	11.9	8.9	5.4	6.0
	6.5	7.0	10.3	15.3	16.5	
	14.0	13.0	12.0	11.0	10.0	9.0
	14.8	15.1	16.1	15.6	17.5	19.7
	7.4	7.1	6.1	6.6	4.7	8.0
	12.2	11.2	10.2	9.2	8.2	7.2
	7.0	5.0	4.0	3.0	2.0	1.0
	15.7	16.5	15.5	13.0	11.0	9.4
	6.5	5.7	6.7	9.2	11.2	12.2
	12.1	11.1	10.1	9.1	8.1	7.1
	7.0	8.0	7.0	6.0	5.0	4.0
	14.0	15.4	16.0	14.8	14.7	3.4
	6.2	6.0	6.2	7.4	10.5	18.5
	12.0	11.0	10.0	9.0	8.0	7.0
	7.0	6.2	5.0	4.2	3.0	2.0
	15.9	15.3	14.9	14.6	13.9	9.9
	6.5	6.9	7.3	7.6	8.3	12.4
	6.0	5.0	4.0	3.0	2.0	1.0
	14.8	14.8	12.0	9.3	5.1	5.0
	7.4	7.4	10.2	12.4	17.1	19.2
	13.3	13.3	11.3	10.3	9.3	8.3
	8.0	7.0	6.0	5.0	4.0	3.0
	14.1	15.6	11.4	10.8	13.4	12.6
	6.1	6.6	7.5	11.4	8.8	9.6
	13.5	12.5	11.5	10.5	9.5	8.5
	10.0	7.0	6.0	7.0	6.0	5.0
	16.7	17.1	15.2	12.7	13.4	13.6
	5.5	5.1	7.0	9.5	8.8	8.6
					9.1	18.7

22.21

Stz	+	H.I	-	Ekv		
566+00	183	127	120	110	100	90
	22.2	18.1	11.0	9.0	9.1	9.1
568+00	184	137	130	120	110	100
	22.2	14.1	10.5	10.4	8.5	8.5
570+00		178	130	113	110	90
	22.2	15.0	9.5	9.7	9.4	9.4
572+00		183	122	120	110	100
	22.2	10.1	8.5	14.4	15.5	8.7
574+00		132	120	120	110	100
	22.2	10.7	11.3	8.4	8.4	8.4
576+00		139	130	120	110	100
	22.2	14.0	13.7	10.4	9.0	9.5
578+00		138	123	120	110	100
	22.2	10.0	14.5	12.5	7.0	7.0
580+00		134	130	120	110	100
	22.2	17.9	13.3	10.3	7.9	9.0
582+00		133	120	110	100	90
	22.2	16.4	11.0	10.3	10.3	10.3

Stz	+	H.I	-	Ekv														
80	70	60	50	40	30	20	12	51	51	51	51	51	51	51	51	51	51	51
14.0	14.0	13.2	13.3	13.8	11.7	5.8	3.2	8.2	8.2	9.0	9.1	8.4	10.3	10.4	10.4	10.4	10.4	10.4
80	70	60	50	40	30	20	17	51	51	51	51	51	51	51	51	51	51	51
13.6	13.4	13.5	13.9	12.6	10.8	2.3	2.0	8.0	8.0	8.7	8.3	9.6	11.4	19.7	2.0	2.0	2.0	2.0
80	70	60	50	40	30	20	10	51	51	51	51	51	51	51	51	51	51	51
13.0	13.2	13.0	13.1	13.2	13.5	11.7	5.7	9.2	9.2	9.2	9.1	9.0	8.7	10.5	16.5	16.5	16.5	16.5
80	70	60	50	40	30	20	22	51	51	51	51	51	51	51	51	51	51	51
12.2	13.8	13.2	13.3	13.0	11.0	9.0	0	10.0	10.0	8.4	9.0	8.1	9.2	11.0	13.2	13.2	13.2	13.2
80	70	60	50	40	30	20	12	51	51	51	51	51	51	51	51	51	51	51
13.0	13.3	13.5	13.9	14.5	13.7	11.6	4.5	9.2	9.2	8.9	8.3	7.7	8.5	10.0	11.7	11.7	11.7	11.7
80	70	60	50	40	30	20	10	51	51	51	51	51	51	51	51	51	51	51
12.6	12.6	12.2	12.5	10.4	3.3	2.1	1.4	9.6	9.6	9.6	10.0	9.7	11.8	14.4	20.1	20.3	20.3	20.3
80	70	60	50	40	30	20	10	51	51	51	51	51	51	51	51	51	51	51
13.0	12.6	12.1	11.3	12.0	10.8	9.5	3.2	10.0	10.0	10.1	10.4	10.2	11.4	12.7	19.0	19.0	19.0	19.0
80	70	60	50	40	30	20	10	51	51	51	51	51	51	51	51	51	51	51
12.2	12.1	11.4	10.9	9.5	7.4	2.3	1.6	10.0	10.0	10.1	10.3	11.3	12.7	14.3	19.9	20.6	20.6	20.6
80	70	60	50	40	30	20	10	51	51	51	51	51	51	51	51	51	51	51
12.3	12.9	13.4	13.7	13.3	12.7	11.5	2.8	10.0	10.0	10.1	10.3	11.3	12.7	14.3	19.9	20.6	20.6	20.6

7

22.18

STZ	+	H.I	-	EICU			
584+00	USE 22.2	171 W.E 134 22.2	161 124 10.5	157 120 10.9	147 110 13.1	137 100 13.6	127 90 13.5
586+00		152 W.E 135 2.6	172 130 5.4	162 120 10.6	157 110 12.2	142 100 12.3	132 90 12.5
588+00		153 W.E 132 2.2	173 122 5.9	163 120 7.4	153 110 11.9	143 100 12.4	133 90 12.9
590+00		194 W.E 140 22.2	161 127 3.7	174 120 9.1	161 110 11.0	154 100 11.2	144 90 11.7
592+00		191 W.E 127 22.2	175 127 5.2	174 120 10.2	164 110 13.0	154 100 12.8	144 90 12.8
594+00		214 W.E 155 22.2	191 132 3.5	184 130 3.2	179 120 7.0	169 110 11.0	159 100 12.4
596+00		210 W.E 150 22.2	184 124 2.0	177 117 8.7	170 110 11.4	160 100 12.8	150 100 12.8
598+00	USE 22.2	217 W.E 155 22.2	188 127 3.5	177 110 9.8	172 110 7.8	166 100 7.8	156 100 7.8
600+00		195 W.E 140 22.2	178 123 3.8	170 115 10.2	165 110 12.7	155 100 14.3	145 100 14.3

8

STZ	+	H.I	-	EICU				
117	107	97	87	77	67	57	47	37
80	70	60	50	40	30	20	10	0
13.2	13.5	13.5	12.9	10.7	8.3	3.1	2.7	0
9.0	8.7	8.7	9.3	11.5	13.9	19.1	19.5	
122	112	102	92	82	72	62	57	42
80	70	60	50	40	30	20	15	0
13.0	13.0	12.8	10.8	11.5	10.9	4.7	3.3	
9.2	9.2	9.4	11.4	10.1	11.3	17.5	15.9	
122	123	113	103	93	83	73	63	53
80	70	60	50	40	30	20	10	0
12.8	12.1	12.2	12.8	12.7	11.7	10.0	3.7	
9.4	10.1	10.0	9.4	9.5	10.5	12.2	18.3	
124	124	114	104	94	84	74	64	54
80	70	60	50	40	30	20	10	0
12.0	13.1	13.3	13.1	12.0	12.0	9.4	3.2	
10.2	9.1	8.9	9.1	10.2	10.2	12.3	19.0	
164	134	124	114	104	94	84	74	64
80	70	60	50	40	30	20	10	0
12.2	12.2	13.0	12.5	12.3	13.1	11.3	7.3	4.3
10.0	10.0	9.2	9.7	9.9	9.1	10.9	14.9	17.9
149	139	129	119	109	99	89	79	70
90	80	70	60	50	40	30	20	11
12.1	12.0	11.9	12.0	12.5	12.4	10.4	8.5	3.3
10.1	10.2	10.3	10.2	9.7	9.8	11.8	12.7	12.1
150	140	130	120	110	100	90	80	70
90	80	70	60	50	40	30	20	10
12.4	12.4	12.1	12.0	11.9	12.1	11.9	9.6	2.9
9.8	9.8	10.1	10.2	10.3	10.1	10.2	14.6	19.3
152	142	132	122	112	102	92	82	72
90	80	70	60	50	40	30	20	10
11.7	12.1	12.3	12.5	12.6	13.2	12.5	9.3	6.4
10.5	10.1	9.9	9.7	9.6	9.0	9.7	12.9	15.8
145	135	125	115	105	95	85	75	65
90	80	70	60	50	40	30	20	14
13.2	12.6	12.5	12.4	12.1	12.2	11.7	9.0	3.0
9.0	9.6	9.7	9.8	10.1	10.0	10.5	13.2	19.2

Sta	+	H.I.	Elcv.	114	154
620+00		¹⁸⁶ 132 W.E 3.0	¹⁷⁷ 116 9.6	¹¹⁴ 110 10.1	¹⁵⁴ 100 11.1
	22 L	22.10	19.2 12.6	12.1	11.1
622+00		¹⁶⁰ 134 W.E 3.5	¹⁶⁰ 116 7.2	¹⁵⁰ 110 9.8	¹⁴⁰ 90 12.0
	22 L	18.7	15.0 12.4	11.2	10.2
624+00		¹⁷⁸ 125 W.E 2.0	¹⁷⁵ 122 8.0	¹⁶⁷ 114 11.0	¹⁵³ 100 13.0
			21.2 20.0	14.2	9.2
626+40		¹⁶⁰ 110 W.E 5.0	¹⁶⁰ 115 10.4	¹⁵⁰ 110 9.9	¹⁴⁰ 100 12.3
			22.2 17.2	11.9	12.3
628+00		¹⁶⁰ 120 W.E 2.0	¹⁶⁴ 116 7.6	¹⁵³ 110 14.0	¹⁴⁰ 100 11.2
			21.2 20.0	14.0	11.2
630+00		¹⁶⁸ 125 W.E 6.0	¹⁵⁸ 115 9.6	¹⁵³ 110 9.6	¹⁴³ 100 9.8
	22 L	22.22	16.2 12.6	12.6	12.4
632+00		¹⁵⁷ 124 W.E 2.5	¹⁵³ 119 7.7	¹⁴⁸ 110 10.3	¹³⁹ 100 10.1
	22 L	19.9	14.5 11.9	11.9	12.1
634+00		¹⁷⁰ 134 W.E 2.0	¹⁶⁶ 130 3.8	¹⁶⁰ 120 8.5	¹³⁶ 100 11.3
	22 L	10.2	10.4 12.7	10.2	10.9
636+00		¹⁷⁶ 124 W.E 7.4	¹⁶⁶ 114 10.1	¹⁶² 110 10.1	¹⁵² 100 10.4
	22 L		14.3 12.1	11.8	11.8

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60
11.9	11.7	11.5	11.6	11.6	11.8	11.2	10.0	4.4	10	10	10	10	10	10	10
10.3	10.5	10.7	10.6	10.6	10.4	11.0	12.0	17.5	10	10	10	10	10	10	10
130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20
12.7	12.9	12.9	13.0	12.2	10.8	9.0	4.5	2.8	10	10	10	10	10	10	10
9.3	9.3	9.3	9.2	10.0	11.4	13.2	17.7	19.4	10	10	10	10	10	10	10
143	133	123	113	103	93	83	73	63	53	43	33	23	13	3	0
90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60
13.0	12.9	12.3	12.0	12.7	13.0	12.5	11.5	7.1	10	10	10	10	10	10	10
9.2	9.3	9.7	10.6	9.5	9.2	9.7	10.7	15.1	10	10	10	10	10	10	10
130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20
9.3	10.2	10.3	10.4	10.0	9.0	10.0	10.1	7.4	10	10	10	10	10	10	10
12.9	12.0	11.9	11.3	12.2	13.2	12.2	12.1	14.5	10	10	10	10	10	10	10
130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20
9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0	10	20	30	40	50	60
11.0	10.7	10.6	10.3	10.2	10.8	10.9	10.9	7.0	10	10	10	10	10	10	10
11.2	11.5	11.6	11.9	12.0	11.4	11.3	11.3	15.2	10	10	10	10	10	10	10
133	123	113	103	93	83	73	63	53	43	33	23	13	3	0	0
90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60
10.1	10.2	10.9	11.4	10.2	9.9	11.3	11.6	8.9	10	10	10	10	10	10	10
12.1	12.0	11.3	10.0	12.0	12.4	10.4	10.6	13.3	10	10	10	10	10	10	10
128	118	108	98	88	78	68	58	48	38	28	18	8	0	0	0
90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60
10.3	10.2	9.8	9.6	10.4	10.9	10.3	10.6	6.0	10	10	10	10	10	10	10
11.9	12.0	12.4	12.6	11.8	11.3	9.9	11.6	16.2	10	10	10	10	10	10	10
126	116	106	96	86	76	66	56	46	36	26	16	6	0	0	0
70	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60
10.6	10.5	9.8	9.7	9.4	9.4	10.0	9.3	3.4	10	10	10	10	10	10	10
11.6	11.7	12.4	12.5	12.8	12.8	12.2	14.4	18.5	10	10	10	10	10	10	10
142	132	122	112	102	92	82	72	62	52	42	32	22	12	2	0
70	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60
10.4	10.4	10.4	10.8	10.7	10.9	11.5	11.8	3.8	10	10	10	10	10	10	10
11.8	11.8	11.8	11.4	11.5	11.3	10.7	10.2	18.4	10	10	10	10	10	10	10

13

22.22

Sta	H.I	Elav
638+00	127 Stake	110 100 9.8 10.1 10.7
640+11	134 Stake W.E	110 100 9.2 9.9 10.7
642+00	140 Stake W.E	110 100 9.7 8.6 9.0
644+00	128 Stake W.E	110 100 9.2 9.3 9.7
646+00	126 Stake W.E	110 100 9.5 9.3 9.4
648+00	121 Stake W.E	110 100 9.4 9.3 9.0
650+00	119 Stake W.E	110 100 9.4 8.8 9.0
652+00	124 Stake W.E	110 100 8.5 9.5 9.2
654+00	127 Stake W.E	110 100 6.8 9.3 9.3

14

Sta	H.I	Elav
656+00	120 Stake	110 100 9.0 10.9 11.1
658+00	115 Stake	110 100 9.7 9.8 9.9
660+00	124 Stake	110 100 9.0 8.9 8.8
662+00	121 Stake	110 100 9.5 9.6 11.0
664+00	132 Stake	110 100 9.5 9.7 9.9
666+00	132 Stake	110 100 9.5 9.7 9.9
668+00	132 Stake	110 100 9.5 9.7 9.9
670+00	132 Stake	110 100 9.5 9.7 9.9
672+00	132 Stake	110 100 9.5 9.7 9.9
674+00	132 Stake	110 100 9.5 9.7 9.9
676+00	132 Stake	110 100 9.5 9.7 9.9
678+00	132 Stake	110 100 9.5 9.7 9.9
680+00	132 Stake	110 100 9.5 9.7 9.9
682+00	132 Stake	110 100 9.5 9.7 9.9
684+00	132 Stake	110 100 9.5 9.7 9.9
686+00	132 Stake	110 100 9.5 9.7 9.9
688+00	132 Stake	110 100 9.5 9.7 9.9
690+00	132 Stake	110 100 9.5 9.7 9.9
692+00	132 Stake	110 100 9.5 9.7 9.9
694+00	132 Stake	110 100 9.5 9.7 9.9
696+00	132 Stake	110 100 9.5 9.7 9.9
698+00	132 Stake	110 100 9.5 9.7 9.9
700+00	132 Stake	110 100 9.5 9.7 9.9

15

22.3

22.31

16

SLAKE

Sta	H.I.	Elv	157	147	117	127	117	107	97	87	77	67	57
656+00	112 Stake W.E	117 117	106 8.0	100 8.9	90 7.5	80 9.1	70 9.0	60 9.1	50 9.2	40 9.3	30 9.7	20 9.8	10 6.5
658+00	123 Stake W.E	123 123	110 6.0	103 7.8	90 8.0	81 8.1	70 8.2	60 8.7	50 8.5	40 8.6	30 8.5	20 8.7	10 7.0
660+00	120 Stake W.E	120 120	107 7.8	100 8.7	90 8.8	83 8.5	70 8.3	60 8.3	50 8.2	40 8.2	30 8.4	20 9.0	10 8.0
662+00	125 Stake W.E	125 125	113 7.0	100 7.5	90 8.3	80 7.5	70 7.9	60 7.8	50 7.7	40 7.5	30 7.8	20 8.5	10 7.7
664+00	123 Stake W.E	123 123	110 4.9	100 8.0	90 8.1	83 8.3	70 8.4	60 8.3	50 8.3	40 8.2	30 8.8	20 8.7	10 8.4
666+00	124 Stake W.E	124 124	106 3.7	100 6.2	90 7.0	80 7.6	70 8.0	60 8.1	50 8.5	40 8.7	30 9.0	20 9.0	10 8.4
668+00	121 Stake W.E	121 121	106 3.9	100 6.6	90 6.8	80 6.8	70 7.2	60 7.8	50 8.4	40 9.2	30 9.6	20 10.2	10 8.7
670+00	117 Stake W.E	117 117	104 6.6	100 6.6	90 7.4	80 8.1	70 8.8	60 9.5	50 9.9	40 8.6	30 7.9	20 5.2	10 5.2
672+00	110 Stake W.E	110 110	100 7.8	100 8.1	90 8.9	80 9.4	70 9.7	60 10.0	50 10.3	40 10.0	30 10.0	20 10.0	10 10.0

22.3

22.31

2 3 2 2 7 0

2 3 2 2 7 0

2 3 2 2 7 0

2 3 2 2 7 0

2 3 2 2 7 0

2 3 2 2 7 0

19

10/1/79

S.P.

Note Plants
Avg. about 40'

X +61 (25') 2x6

X (18') 561+00 (20') Plants

X X 163 (18')

560+00 (20') Plant

153 (15') 1x2'

+37 (27') Abs. Deck
4'

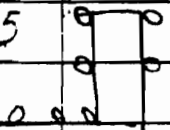
+14 (31') 3' 7'

559+00

+64 (25') 6' Post

X 16' X 162

+55



+35 (36') Deck

16' X 558+00 (+25') Plants

SP

20

569+00 (25') Plant

+61 (20') 4x4 (30')

+51 (45') 3' 4'

X X (24') +23

568+00 (15')

567+00 (15')

X X (20') +64

(21') 566+00 (20') Plants

X +11 4'

X 565+00 (15') +4

X +99 (31')

X (21') 564+00 (20')

X (19') 563+00 (20') Plant

X (18') 562+00 (20')

X +90 4'

X +77 (48') 5'

x x x	(30')	+26	(40')	□ 1x6'
			578+00	(15')
x x x	(30')	+45		
			577+00	(15')
			576+00	(15')
x x x	(30')	+84		
			575+00	(20')
			574+00	(30')
				Plants
x x x	(26')	+83		
x x	(26')	+03		
			573+00	(20')
				Plant
x x x	(25')	+24		
			572+00	(25')
			+26	(40')
				□ □ 4x4
			571+00	(26')
				Plant
x x x	(23')	+64		
x	(24')	-	570+00	(30')
				Plant

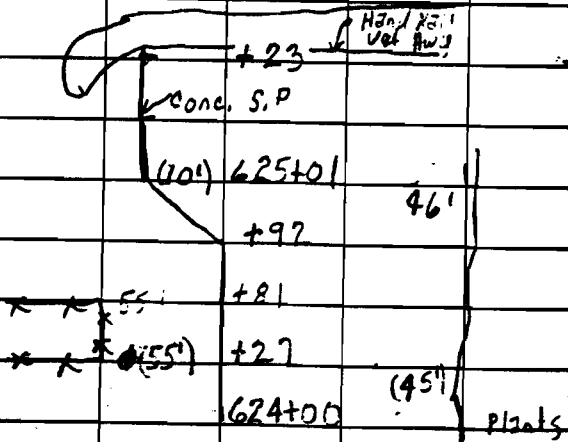
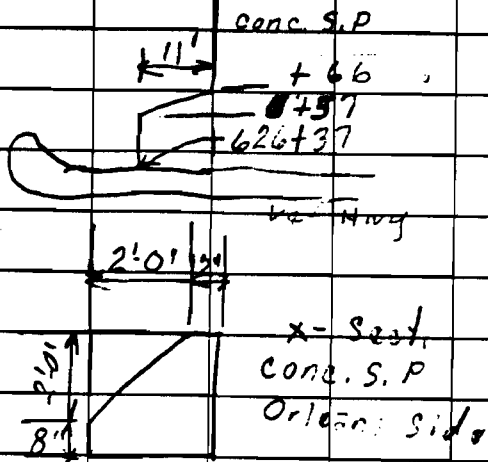
			584+00	(40')
			583+00	(15')
x x	35'	+25		
			582+00	(30')
				Plants
x x	35'	+86		
			+46	
			+15	(25' D. To FL)
			581+00	(20')
				Plant
P.P.	(40')	+89		
			+55	(25' D. To ...)
				Power Line
			+34	(30')
			+14	(30')
				5' □ □ □ □
			580+00	(40')
(42')			+83	
x x	(32')		579+00	(30')
				Plant
x	(42')		+66	
			+42	(40')
				□ 6x6

		+65		
X		+47	0 0 0 0	
X		+35		
X		593+00	(45')	19 Post
X		+73		
X X	(41')	+25		
		592+00	(40')	
X X X	(39')	+49		
X		591+00	(30')	Plants
X		+57		
X		+42	(30')	8' Dock
X	(37')	590+00	(40')	
X		589+00	(40)	
X	(36')	588+00	(40')	
X	(35)(36)	587+00	(40')	Plants
X		+75	(25')	2nd
X	(33)	+45		
X	(31)	585+00	(45)	Plants
X		+75	(50')	Tree

X X	46'	+64		
		606+00	(50')	
X X X	45'	+80		
		605+00	(45')	
		604+00	(50')	
X X X	(46')	+22		Plants
		+07		
	TIN Bldg	602+00	(35')	
X	45'	+89		
		600+00	(40')	
X X X	(45')	+86		
X X X	(44')	599+04	(30')	Plants
		+66	(60')	
X X X	(44')	+44		
		598+00	(20')	
		597+00	20'	Plants
X X	(43')	+63		
	(43')	596+00	(30')	
		595+00	(30')	
	(42')	594+00	(35')	Plant

x	x	(43')	+26	
			616+00	20'
			615+00	20'
			+66	
		x	(51)(43')	
			614+00	(60')
				Plants
x	x	59'	+44	
x	x	x	613+04	(30')
		x	(51)(58')	+64
x	x	51'	+25	
			612+00	(30') Plant
				507
x	x	44'	+85	(35') I 20 124
				191 506
x	x	44'	+45	
			611+04	(30')
x	x	43'		
			610+00	(40') Plants
		x	46'	
			609+00	(20')
			+40	(30') 2x6 502
				503
			608+00	(30')
x	x	47'	+46	
			607+00	
			606+00	30'

			+95	
x	x	45'		
x	x	(53')	+45	
			623+00	
				45'
x	x	(46')	+65	
			+25	
		x		
			+15	
		x		
			622+00	
				45'
		x	(19)(45')	+95
			+25	
				45'
			621+00	
x	x	(48')	+65	
			620+00	95'
				Plant
			+44	
		x	(46)(57')	
			619+00	25'
			618+00	25'
x	x	55'	+25	
			617+00	25'
			+85	
			616+00	25'
				sock
			474	



End Fence
+65+30

End Sect.
+65

634

632

632

630+66

630

629+36

629+00

628+83

626+88

1

45'

45'

35' 50'

45' 0 0 S.1

45' 0 0 S.1

45' 8 12" d S.15

Post

See
x Sect
for Fence
Dist.

x x x 59'

Plants

Plants

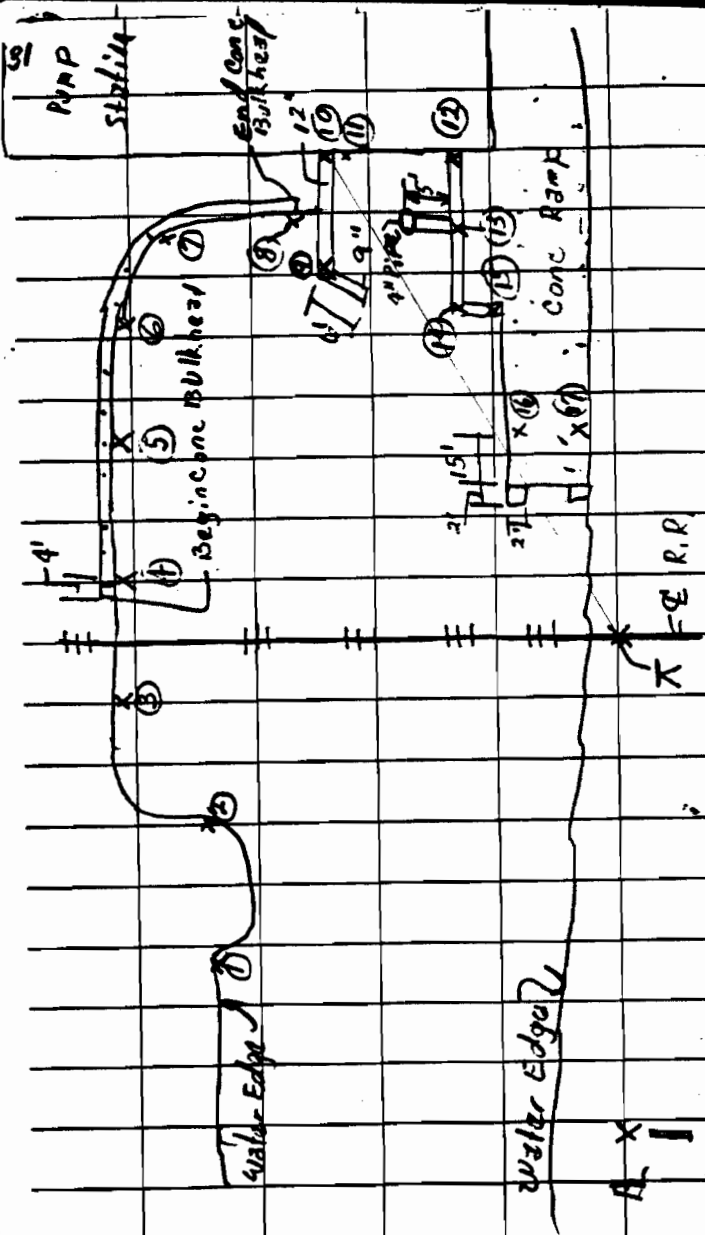
Plants

		667+02	⊙
All Trees		666+75	⊙
Fire	*	666+54	⊙
Water Edge	✓	662+55	⊙
		662+28	⊙
		659+81	⊙
		659+52	⊙
		655+63	⊙
		655+59	⊙
		655+37	⊙
		652+30	⊙
		651+51	⊙
		649+35	⊙
		648+65	⊙
	*		
X X *	81'	646+36	⊙
		645+69	⊙

All Trees are ⊙
Water Edge

9/12/83
FENCE CONTAINS
43 DOGS + TURNS

		670+64	⊙
		670+96	⊙
		669+03	⊙
		669+13	⊙
		668+19	⊙

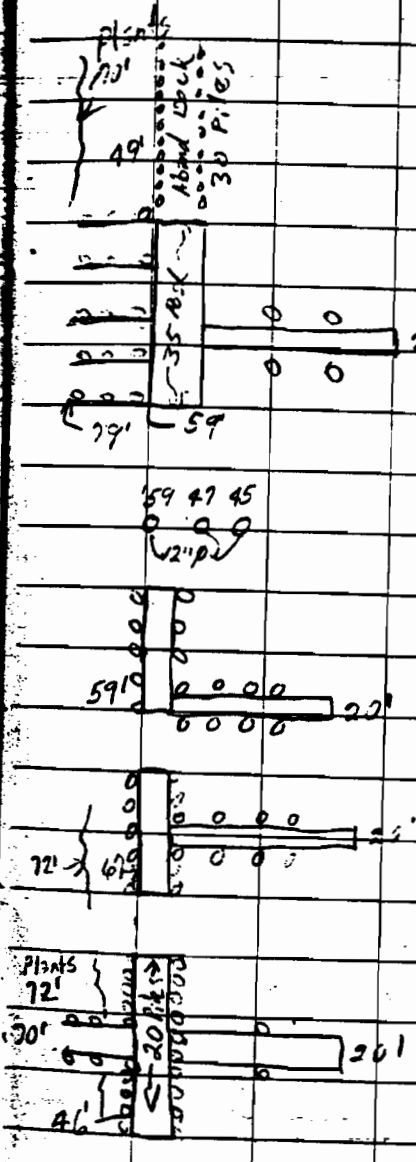


No.	Angle	Dist.
①	50° 53'	224'
②	66° 54'	209'
③	74° 56'	234
④	82° 20'	236
⑤	93° 04'	240
⑥	104° 24'	237
⑦	113° 58'	315
⑧	129° 20'	199
⑨	137° 04'	177
⑩	146° 28'	220
⑪	146° 58'	220
⑫	164° 28'	192
⑬	160° 10'	141
⑭	158° 15'	136
⑮	162° 13'	124
⑯	147° 14'	99
⑰	160° 16'	80

33 Topo - Jeff Side (from s.p. wall)

70' plants	20'	19'	+10
			555+00
			+78
			+76
	65'	20'	+75
			+53
			+49
6' plants	61'		554+00
		20'	+93
			+83
			+75
	4'		
	61'	20'	+44
			+32
	84'	20'	+15
			+15
			553+00

				34
				+90
				558+00
				+82
				+37
				+13
				557+00
				+85
				+59
				+42
				+32
				+11
				556+00
				+72
				+62



				+48
Plants Aug 551				563+00
				+60
				+58
				562+00
				+75
				+57
				561+36
				+89
Aban Dock				+69
				560+00
Aban Dock				+90
				+40
Plant Aug 70'				+38
				559+00
				+90

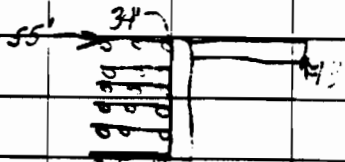
				+77
7 Piles				+57
				+39
9 Piles				568+00
				+88
				+76
				+39
Sunken Start East				567+00
				+88
				+72
				+68
40' Sunken Start				+45
				+34
				566+00
				565+00
				+27
				+73
				564+20
				+50

37

M.Piles



35 Piles



35' 0

35' 0 0

40' 0 0

53'

40' 0 0 0

16 Piles

45'

40' 0 0 12'

55 P

+26

576+00

+21

575+00 →

+5

+45

574+07

+96

+53

573+06

+94

572+07

+83

571+22

+91

570+00

+66

+40

+23

CS.P. 38

586+26

585+65

584+00

+81

+62

583+00

582+00

581+20

+70

+62

580+00

579+00

+97

+83

+45

578+00

577+00

+92

+71

+49

40' 00

40' 00

45' 00

Sunk in Boat

40'

40'

46'

46'

50' 0

53' 00

53'

41'

30'

20'

35'

Firing 45'

28'

Alanis

30'

35'

24'

16'

19'

← S. P.

599+00

+94


+49

598+14

+95

Tree (5m)

597+08


60' 

+91

596+00

} ↓ Plants
45

+94

60' 

+83

592+42

50' Tree 

591+72

55' Tree 

590+43

55' Tree 

587+00

+44

50' Tree 


588+06

+39

45' Tree 

587+01


+80

50'  Plants
45'

+72

← S. F.

Inter

30'  Heavy vert.

633+2

+77

30' 


619+

30' 

30' Tree 


617+

510
509

35' 

614+

508

35' 

613+

505

30' 


+86

502
5-1


41'  31'

610+7


500

40' 

609+

30' Tree 

607+11

30' Tree 


605+

414

0 0

+67

412


40'  0 35'

+53

411

50' post

604+52

30' Tree 

602+1

Sunk in Steel Boat 15' WIDE

S.W.E. ♂ 2x6

W.E. ○ Tree

672501

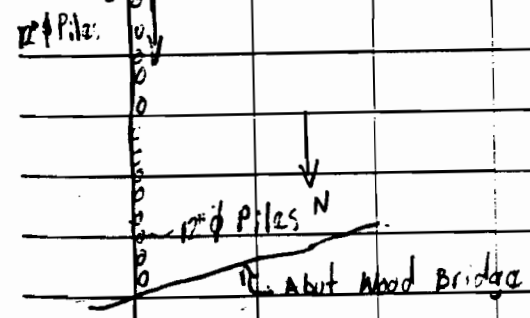
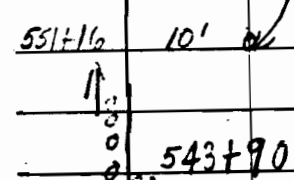
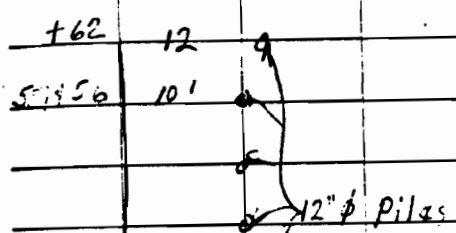
648+96

645+85

644+81

B.A. Jeff

12" φ Piles @ approx 6' c.c. along Concr S.P. Wall

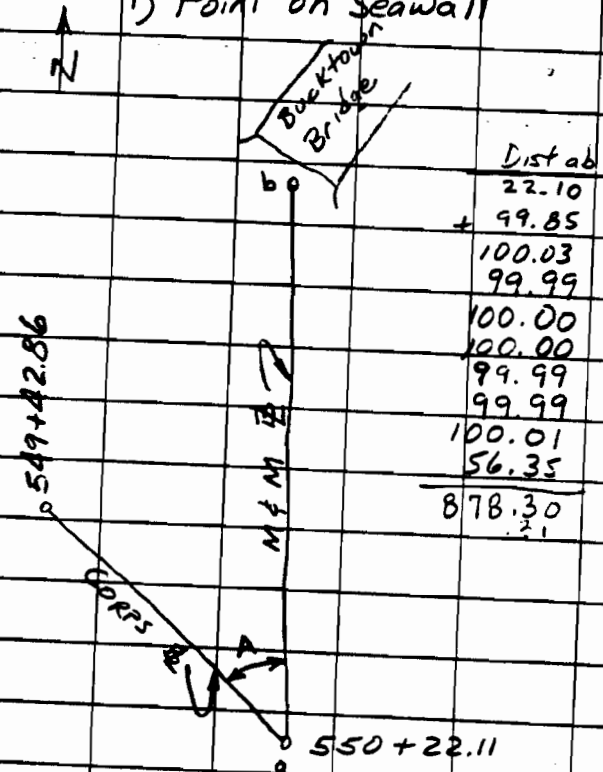


S.P. ORLEANS

10/5/79

- TIE TO PARISH LINE -

1) Point on Seawall

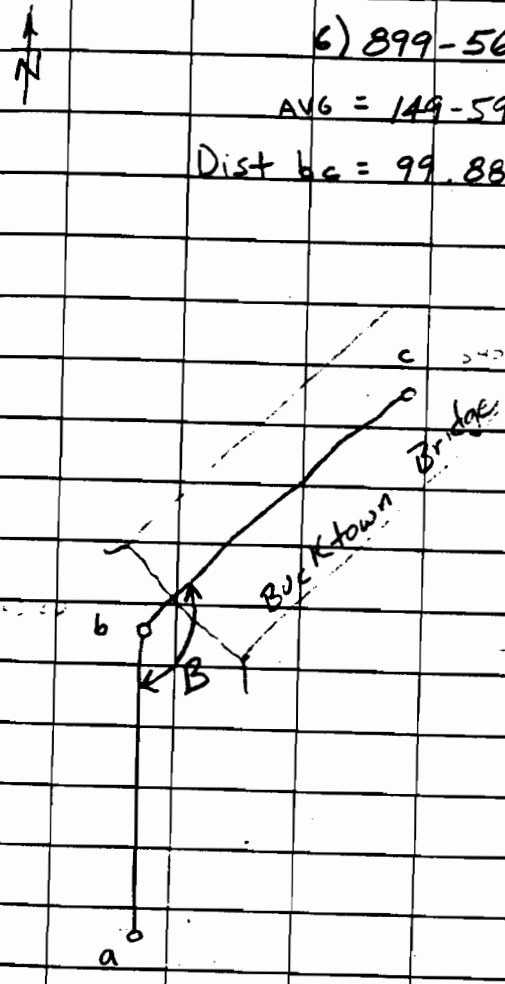


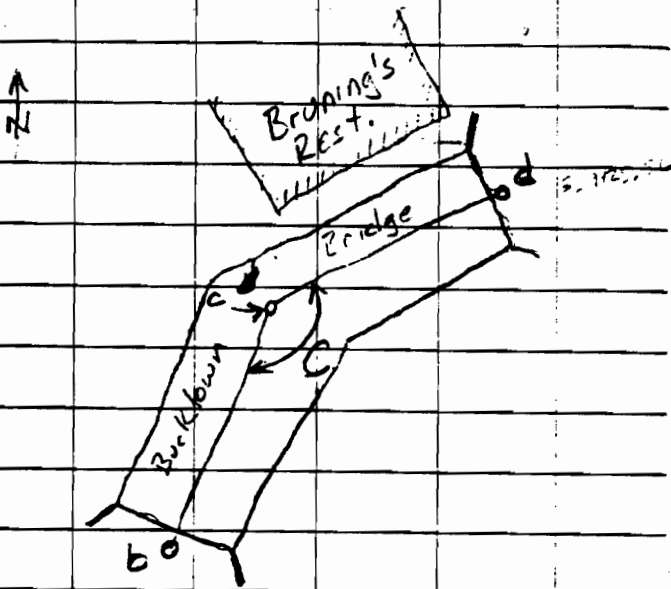
Dist ab	22.10
+	99.85
	100.03
	99.99
	100.00
	100.00
	99.99
	99.99
	100.01
	56.35
	<hr/>
	878.30
	21

∠A: 1) 60° 36' 00
 2) 363° 34' 20
 Avg. 60° 35' 43.2"

Dist ab =

∠B: 1) 149-59-00
 2) 899-56-20
 AVG = 149-59-23.3
 Dist bc = 99.88



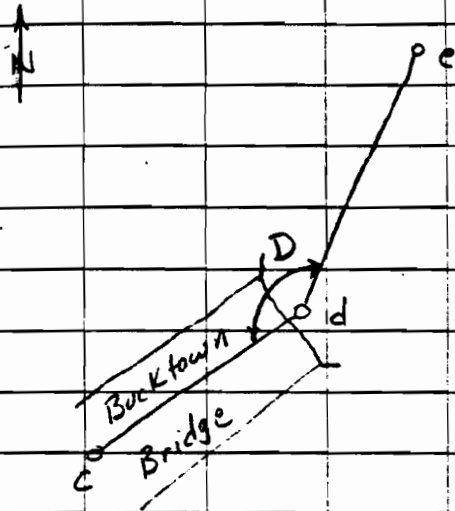


∠ C 1) 150-00-20

6) 900-04-40

AVG = 150-00-46.4"
7

Dist cd = 118.36



62.00
+ 98.00
+ 100.00
92.03
358.03

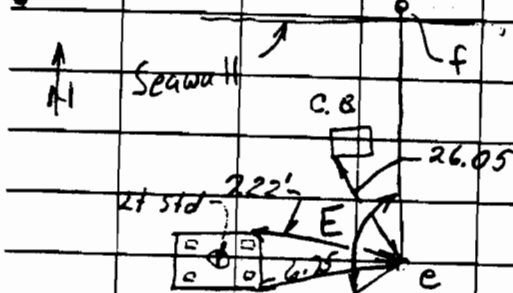
∠ D 1) 150-36-20

6) 903-36-30

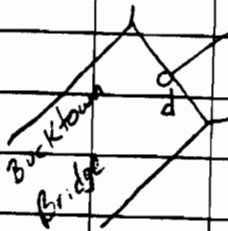
AVG) 150-36-05.0

Dist de = 358.03

47 Fitzgeralds Rest



99.98
 + 96.60
 + 62.30
 + 40.32
 + 1.07
 300.27 -



f = Parish Line "x" in seawall

∠ E : 1) 128° 25' 40"

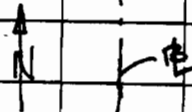
2) 770° 34' 00"

AVG) 128° 25' 40" -

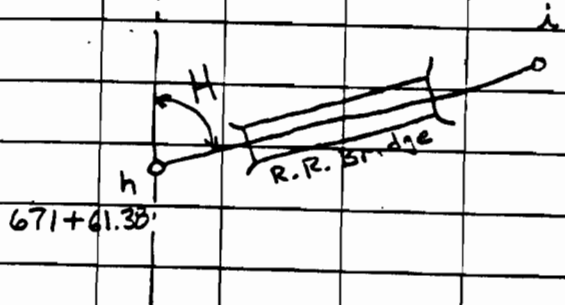
Dist ef = 300.27

2) Point on Pump Station

30 670+00



100.40
 100.50
 95.71
 296.61 ✓

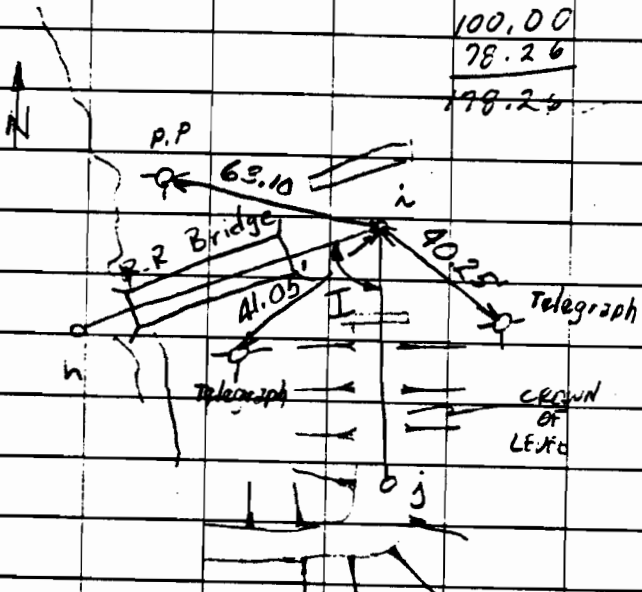


∠ H : 1) 78° 22' 00"

2) 470° 12' 40"

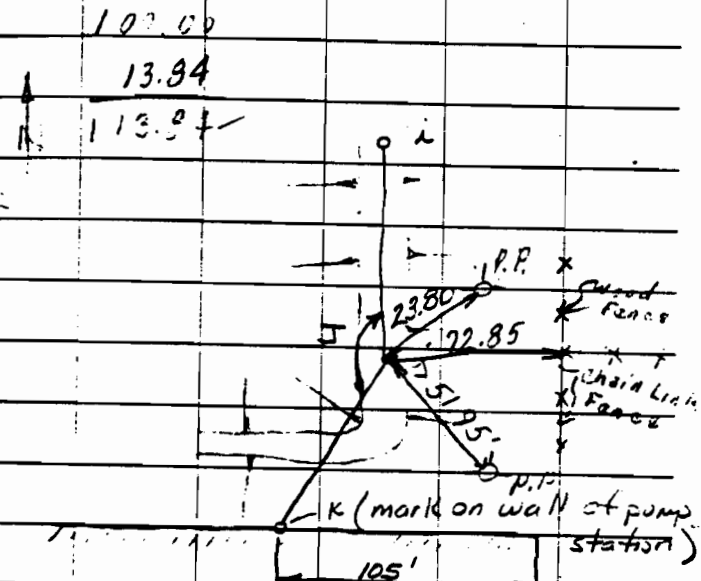
AVG. = 78° 22' 06.7" -

Dist hi = 296.61



∠ I: 1) 87° 28' 40"
 2) 524° 50' 00"
 AVG. 87° 28' 20.0 ✓

Dist. ij = 178.26'



∠ J: 1) 120° 23' 00"
 2) 722° 17' 40"
 AVG = 120° 22' 56.7" ✓

Dist jk = 113.84'

Cross-Section Shots Marked

672+00 - Sound at both walls

670+00 - 48-61

660+00 - 49-61

658+00 - 51-62

656+00 - 47-67

654+00 - 52-65

652+00 - 48-63

650+00 - 46-62

648+00 - 49-62

644+00 - 48-61

642+11 - 45-54

638+00 - 42-56

636+00 - 45-60

630+00 - 41-53

628+00 - 43-52

626+40 - 36-57

624+00 - 34-63

622+00 - 38-57

670+00 - 38-62

668+00 - 36-65

666+00 - 41-52

664+00 - 40-52

662+00 - 50-55

598+00 - 37-72

596+00 - 54-70

594+00 - 52-70

592+00 - 60-72

590+00 - 49-64

588+00 - 37-63

586+00 - 36-57

582+00 - 37-65

578+00 - 39-61

574+00 - 33-53

572+00 - 38-74 ✓ 20, 24, 26

570+00 - 37-58

568+00 - 31-51

566+00 - 35-54

55					JEFF SIDE				
STA	+	HI	-	EL					
TBM 542				27.71					
	6.24	33.95							
541+43			12.7	21.2	36' Lt.				
TBM 542				27.71					
	3.65	31.36							
541+90			9.1	22.3	66' Lt.				
TBM 542				27.71					
	2.69	30.40							
543+60			9.2	21.2	55' Lt.				
			11.9	18.5	61' Lt.				
			13.4	17.0	72' Lt.				
TBM 547+02				26.44					
	3.38	29.82							
544+52			9.2	22.6	70' Lt.				
			10.4	19.4	80' Lt.				
			14.9	14.4	87' Lt.				

					56				
STA	+	HI	-	EL					
TBM 547+02				26.44					
	3.12	29.56							
546+00				10.5	19.1	45' Lt.			
				11.8	17.8	55' Lt.			
				12.1	17.5	65' Lt.			
				13.0	16.6	75' Lt.			
TBM 547+02				26.44					
	3.10	29.54							
547+15				9.0	20.5	48' Lt.			
				9.8	19.7	56' Lt.			
548+16 E				25.11					
	4.98	30.09							
548+20				9.4	20.7	57' Lt.			
				10.6	19.5	68' Lt.			
				12.1	18.0	77' Lt.			
				14.2	15.9	86' Lt.			

57

STA	+	HI	-	EL	
549+22 TB				27.02	
	7.98	29.00			
549+22			10.1	18.9	68 Lt.
			10.4	19.0	76 Lt.
			13.8		85 Lt.
549+67			9.7	19.3	80 Lt.
<hr/>					
552+28 TB				29.73	
	5.26	35.04			
552+28			16.3	19.7	60 Lt.
			18.6	19.44	71 Lt.
<hr/>					
TBM 554				34.14	
	1.52	35.66			
554+00			13.8	21.86	40 Lt.
			14.2	21.40	50 Lt.
			14.9	21.7	60 Lt.

52

STA	+	HI	-	EL	
TBM 556				34.13	
	1.06	35.19			
556+00			13.0	22.13	40 Lt.
			13.0	22.13	50 Lt.
			13.5	21.70	60 Lt.
<hr/>					
TBM 17				34.09	
	0.62	34.71			
558+00			12.5	22.21	40 Lt.
			13.5	21.21	50 Lt.
			14.0	20.71	58 Lt.
<hr/>					
TBM 17				34.09	
	0.60	34.69			
560+00			12.5	21.59	32 Lt.
			12.8	21.89	42 Lt.
			13.1	21.59	50 Lt.

STA	+	HI	-	EL	
59					
TBM 562				34.05	
	0.96	35.01			
562+00			13.2	21.81	43 Lt
			14.0	21.01	53 Lt
<hr/>					
TBM 562				34.05	
	0.52	34.57			
564+00			12.0	22.57	45 Lt
⁴³⁻⁵⁵ (43-43)			14.1	20.4	55 Lt
<hr/>					
TBM 566				34.04	
	0.66	34.70			
566+00			13.2	21.50	45 Lt
<hr/>					
TBM 566				34.04	
	0.62	34.66			
568+00			12.5	22.16	41 Lt

STA	+	HI	-	EL	
60					
TBM 570				34.04	
	0.86	34.90			
570+00			13.0	21.90	48 Lt
<hr/>					
TBM 570				34.04	
	1.06	35.10			
572+00			13.9	21.20	48 Lt
			15.0	20.10	58 Lt
			19.6	15.50	67 Lt
<hr/>					
TBM 574				33.81	
⁴³ (43)	1.20	35.01			
574+00			13.9	21.11	43 Lt
<hr/>					
TBM 580				32.53	
	2.26	34.79			
578+00			12.5	22.29	50 Lt

61						
STA	+	HI	-	EL		
TBM 522				32.55		
	2.50	35.03				
582+00			12.9	22.15	47 Lt.	
			14.0	21.03	56 Lt.	
<hr/>						
TBM 526				32.11		
	2.46	34.57				
586+00			12.5	22.57	47 Lt.	
<hr/>						
TBM 586				32.11		
	2.56	34.67				
588+00			12.5	22.17	45 Lt.	
			13.6	21.07	53 Lt.	
<hr/>						
TBM 592				32.20		
	2.70	34.90				
590+00			12.7	22.22	56 Lt.	

						62
STA	+	HI	-	EL		
TBM 592				32.20		
	3.20	35.40				
592+00			15.9	19.5	66 Lt.	
<hr/>						
TBM 592				32.20		
	3.20	35.50				
594+00			13.3	22.2	61 Lt.	
<hr/>						
TBM 598				32.18		
	3.46	35.64				
596+00			15.1	22.54	61 Lt.	
<hr/>						
TBM 598				32.18		
	3.23	35.46				
598+00			13.2	22.26	40 Lt.	
check notes			13.1	22.36	50 Lt.	
			12.5	22.52	61 Lt.	

63

STA	+	HI	-	EL	
TBM 610				32.30	
5'	3.00	35.30			
606+00			14.7	20.6	57 LT.
TBM 616				31.99	
5'	3.22	35.21			
614+00			13.2	22.01	49 LT.
TBM 616				31.99	
50' (32')	3.24	35.23			
616+00			13.5	21.70	50 LT.
TBM 616				31.99	
49'-57' (31'-41')	3.44	35.43			
618+00			13.1	22.83	47 LT
			13.5	21.70	57 LT

64

STA	+	HI	-	EL	
TBM 622				32.31	
3 50	35.81				
620+00			13.5	22.81	46 LT
			15.2	21.01	56 LT
TBM 622				32.31	
3 38	35.69				
622+00			13.4	22.20	45 LT
624+00			13.4	22.20	44 LT
			13.6	22.00	54 LT
J 11				29.27	
	5.80	35.07			
626+00			12.5	22.57	47 LT
628+00			12.4	22.07	48 LT

65 STA	+	HI	-	ELEV	
TBM 632				32.33	
630+00	2.88	35.21			
			12.2	23.01	43 LT
			15.1	2.11	45 LT
TBM 635				32.33	
630+00	2.84 2.80	35.17			
			12.96 2.7	22.21	51 LT
TBM 638				32.33	
638+00	2.83	35.20			
			14.9	20.4	49 LT
640+11			15.5		43 LT
BASELINE 636+00				33.04	
	4.60	37.72			
640+00			16.84	21.7	54 LT

STA.	+	HI	-	ELEV	66
BIF PAT. 643				33.15	
	4.76	38.11			
643+00			17.82	20.3	55 LT
TBM 652				33.17	
	5.10	38.27			
650+00			16.96	21.3	54 LT
TBM 652				33.17	
	4.84	38.01			
652+00			15.3	22.7	53 LT
TBM 652				33.17	
	5.28	38.45			
650+00			15.8	22.7	55 LT
			17.43	21.0	50 LT

67 STA.	+	HI	-	ELEV.
TBM 658				32.64
	5.30	37.94		
656+00			15.53	22.4 57 LT
			18.43	19.4 56 LT
TBM 653				32.64
	5.26	37.90		
658+00			15.12	22.7 53 LT
			18.43	19.4 56 LT
TBM 653				32.64
	5.62	38.26		
660+00			15.30	22.9 51 LT
			18.34	19.7 54 LT
TBM 670				33.11
	5.10	38.21		
670+00			15.43	22.78 49 LT
			18.20	20.01 51 LT

JEFF. 672					6E
			10.6	11.7	SOUNDING
			15.90	22.81	WATER SURFACE
ORLEANS 672			8.70	13.6	SOUNDING

69

SANDBAR SURVEY 2-5-31

MILE / LARK.

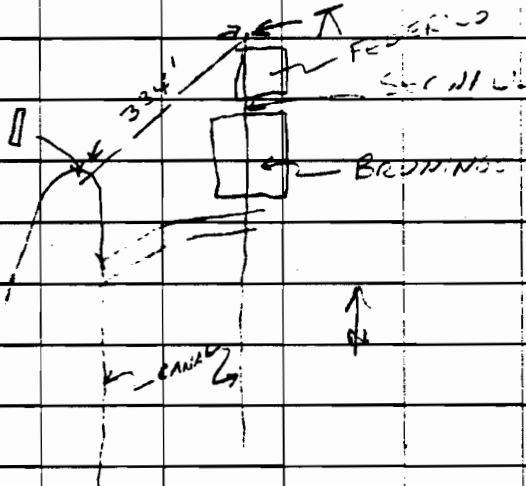
SUBST DIST OF SECT 211 R1

STAD A

Tot = 10.57

35 = 1.0

Width = 33.4



70

SPOT WATER SURFACE

STF	+	141	-	E-
JOP/WALL @ 541+00 ORIENT. SIDE				27.67
	7.0	+	34.71	

13.58

WATER SURFACE

21.1

SOULING -

W. SIDE @ TIMBER WALL = 3.5' = 17.6

E. SIDE @ WALL = 6.2 = 14.9 (12.4)

20' W. SIDE @ WALL = 5.8 = 15.3 (15.4)

40' " " " = 5.7 = 15.4 (12.5)

71

2-6-81

Observed flow in canal -
pumps were working as a
result of heavy overnight rains.

Observations: Water moving
faster under Bruning's than it
did 20' in the canal itself
(north of bridge). Water moved
faster under the ~~to~~ e. side of
Bruning's than under the w. side.
Movement of water has almost
completely stopped north of
Federico's where the transit
was set up yesterday. Object
thrown into water 50' ± w.
of Bruning's moved more slowly
than the water under the
restaurant and continued to

72

move slowly until reaching the
point on the w. side of the
canal. No turbulence was
observed north of the bridge.

Conclusions: The lack of any
turbulence would indicate
that no extremely shallow
areas exist in the canal
north of the bridge. The
fact that water velocities
are somewhat higher under
Bruning's would indicate that
the canal under Bruning's
is shallower than it is to
the west. Soundings of 6" ±
were recorded on 2-5-81
but more soundings along

The west wall of the
canal near Bridge should
be taken.

2-9-81 SANDBAR SURVEY

Mike / Larry

1. PROFILE ALONG & CANAL STARTING

• AT BRIDGE

DIST	W.S	SNOG.	ELEV
	21.7	7.1	14.6
		6.8	14.9
		6.7	15.0
		6.6	15.1
		6.5	15.2
		6.3	15.4
		6.3	15.4
		6.1	15.6
		6.0	15.7
		6.0	15.7
		5.9	16.0
	5.4		at point

75

2 Profile close to

DIST

WS

SND

EL

21.7

8.0

13.7

7.5

14.2

7.1

14.6

7.1

14.6

6.8

14.9

6.5

15.1

6.5

15.1

6.5

15.4

6.2

15.5

6.1

15.6

5.7

15.8

at section

Can get toward middle of lake lowest
 sound were around 5.5 before depths
 began to increase

76

3 Section @ bridge

DIST

DIFF.

WS

SND

EL

W

W.WAL 120 RT.

21.7

6.9

14.8

18

102 RT.

6.7

14.9

15

77 RT.

6.7

14.9

10

58 RT.

7.5

14.2

21

38 RT.

7.7

13.7

97

22 RT.

7.8

13.7

130

10 Lt.

8.1

13.6

140

20 Lt.

8.6

13.1

150

30 Lt.

8.4

13.3

160

40 Lt.

8.2

13.5

170

50 Lt.

8.2

13.5

180

60 Lt.

8.2

13.5

190

70 Lt.

8.1

13.6

200

80 Lt.

7.6

14.1

210

90 Lt.

7.0

14.7

↓

240

100	100 ft	5.1	15.8	
110	110 ft	5.1	15.8	
120	120 ft	5.9	15.8	
130	130 ft	6.0	15.7	
140	140 ft	6.0	15.7	
150	150 ft	6.0	15.7	
160	160 ft	6.2	15.5	
170	170 ft	6.4	15.3	
180	180 ft	6.6	15.1	
190	190 ft	6.6	15.1	2000
200	200 ft	6.7	15.0	10
210	210 ft	6.7	15.0	
220	220 ft	6.6	15.1	
230	230 ft	6.8	14.9	
240	240 ft	6.8	14.9	
250	250 ft	6.6	15.1	
260	260 ft	6.7	15.0	
270	270 ft	6.7	15.0	
	↓			
	172			

100	100 ft	5.1	15.8	
110	110 ft	5.1	15.8	
120	120 ft	5.9	15.8	
130	130 ft	6.0	15.7	
140	140 ft	6.0	15.7	
150	150 ft	6.0	15.7	
160	160 ft	6.2	15.5	
170	170 ft	6.4	15.3	
180	180 ft	6.6	15.1	
190	190 ft	6.6	15.1	2000
200	200 ft	6.7	15.0	10
210	210 ft	6.7	15.0	
220	220 ft	6.6	15.1	
230	230 ft	6.8	14.9	
240	240 ft	6.8	14.9	
250	250 ft	6.6	15.1	
260	260 ft	6.7	15.0	
270	270 ft	6.7	15.0	
	↓			
	172			

GAGE CALIBRATION SURVEY

4-14-81

FH NS
GT LC

9:00 A.M.

WEST END GAGE - $1.3 + 20.4 = 21.7$

PUMP STA GAGE - 23.2

W.S. @ BUCKTOWN BRIDGE

STA
TBM 542

4.79 32.50

WS

10.68 21.82

CONDITIONS - P.C. $75^{\circ} \pm$

LIGHT WIND OUT OF THE NORTH

GAGE CALIBRATION 4-20-81

8:45 AM

FH NS
GT LC

① W.S. @ BUCKTOWN BRIDGE

STA + HI - EL

TBM
542

27.71

5.40 33.11

WS

11.79 21.32

WEST END GAGE $0.8 + 20.4 = 21.2$

(CORPS GAGE) (MUN. YACHT HARBOR)

② WEST END GAGE $0.7 + 20.4 = 21.1$

③ PUMP STA GAGE 22.8

④ W.S. @ Railroad Bridge

STA + HI - EL

TBM
670

33.11

4.90 38.01

WS

16.68 21.33

4-21-81

FH GT
NS LC

CORPS GAGE @ MUNI. YACHT HARBOR
~~Walt End G500~~ 0.5 + 20.4 = 20.9
Pump Sta G500 22.5

12:40 P.M.

① W.S. @ Bucktown Bridge

Sta + H.I. - El.

TEM 54.2 25.7

4.67 32.00

W.S. 11.24 21.14

④ W.S. @ Railroad Bridge

Sta. + H.I. - El.

TEM 60.0 25.7

4.63 37.74

W.S. 16.57 21.17

100

6.315

562 + 100

7

3'

13.10

1

11.50

2.770

1.00

1.00

1.00

1.00

100

54

11.50

6'

14.36

1

15.00

11.36

6.315

1

11.36

1

11.36

1

11.36

1

11.36

1

87. Sta
6

+

H₂

-

170

2964
371

3385
400
2986
543
3469

24

3.90

2

Sta 2000
top of rail

6

5

2.09

18

2.72

Sta

+

H₂

-

170

88

12.04
Total

13

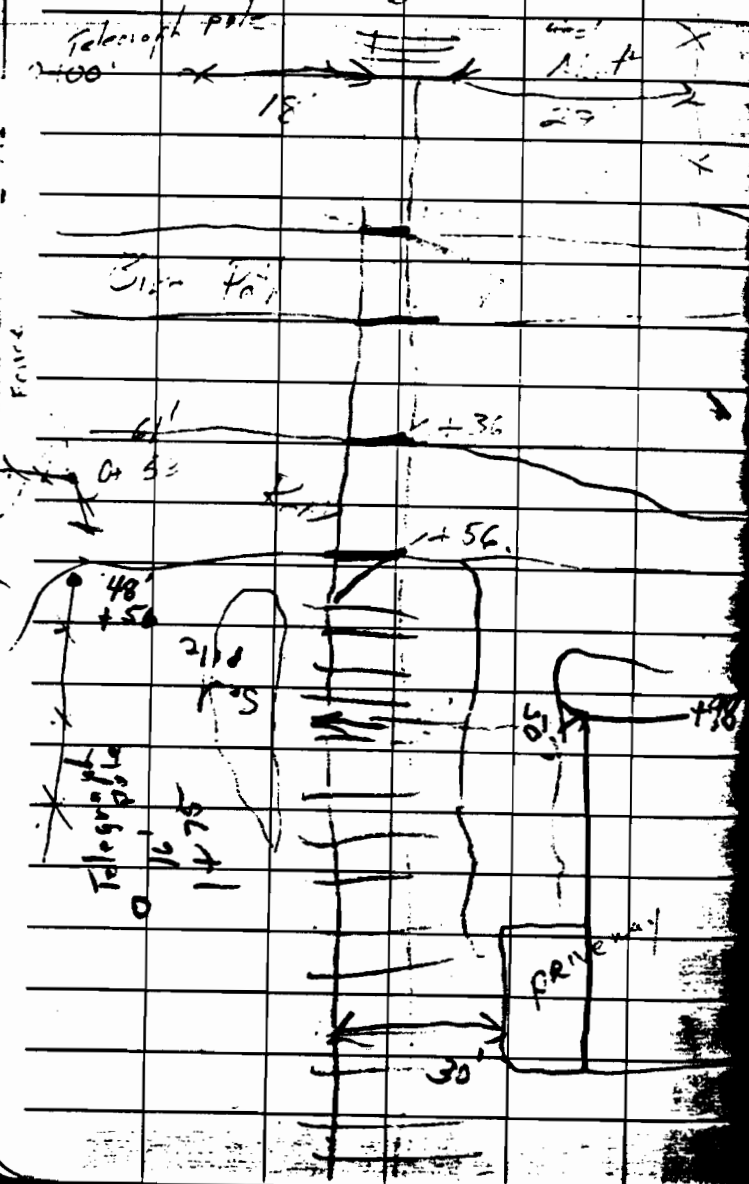
7.02

12.14

23

11.14

N Rail 15



Fence

S/L	+	H _i	-	Fl _o
TP ₁				33.0
	1.5	34.5		
T ₁			5.05	
T ₂		33.57		
TP ₃	3.71	33.35		
T.B.M ₄			4.09	29.26 37.44
TP ₄	5.43	34.69 40.87		
			1.54	33.15 c/over

HY

1

1

101

sh. n. n.

791

4269

top of line
SD 808

SD

2.11

0.47

1

1

13

15

11

Ry

1

1

28

1.47

1

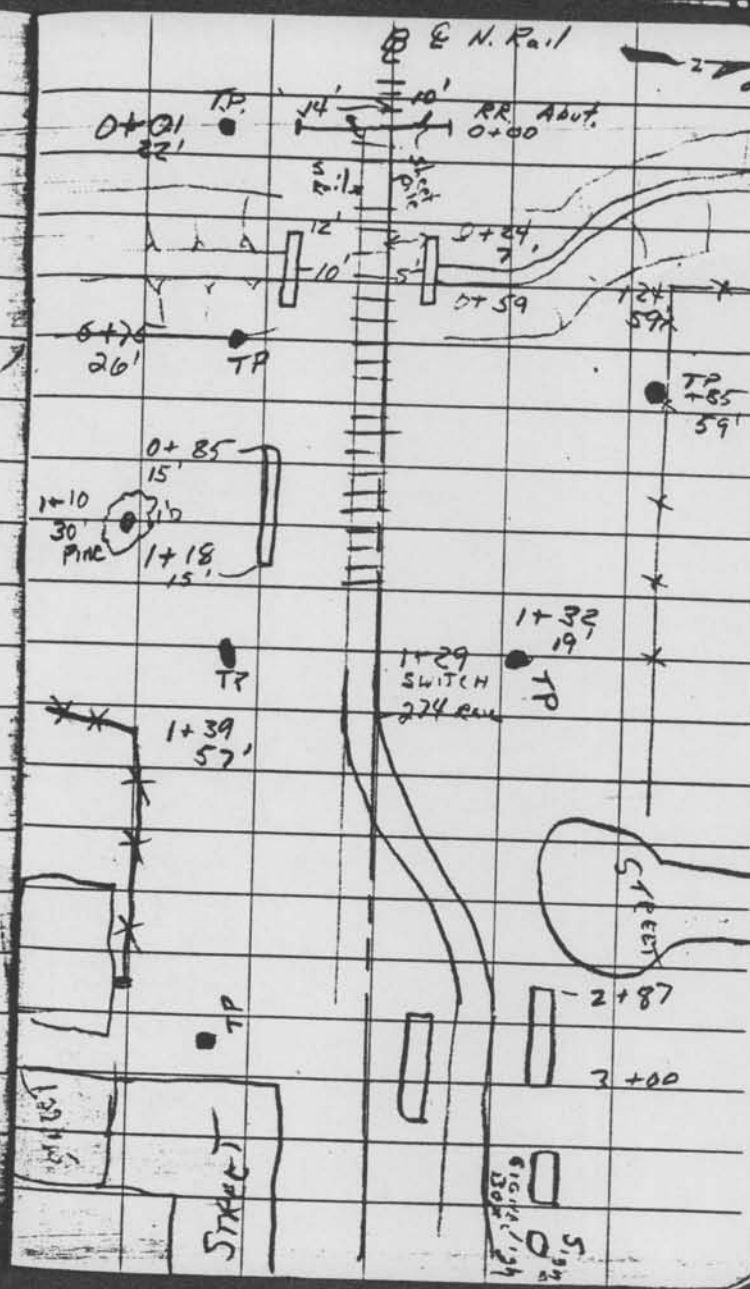
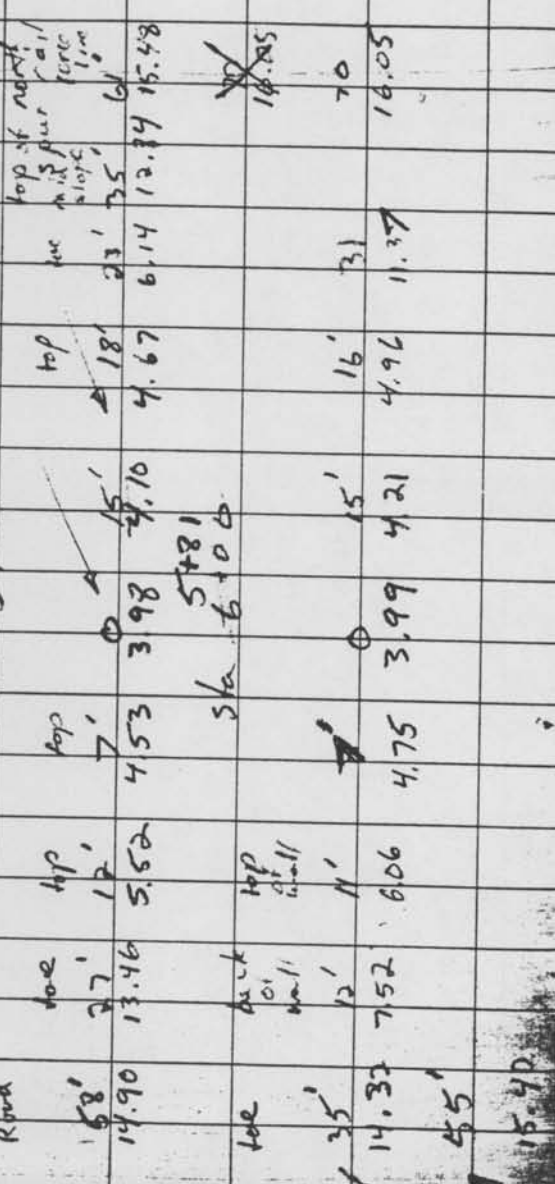
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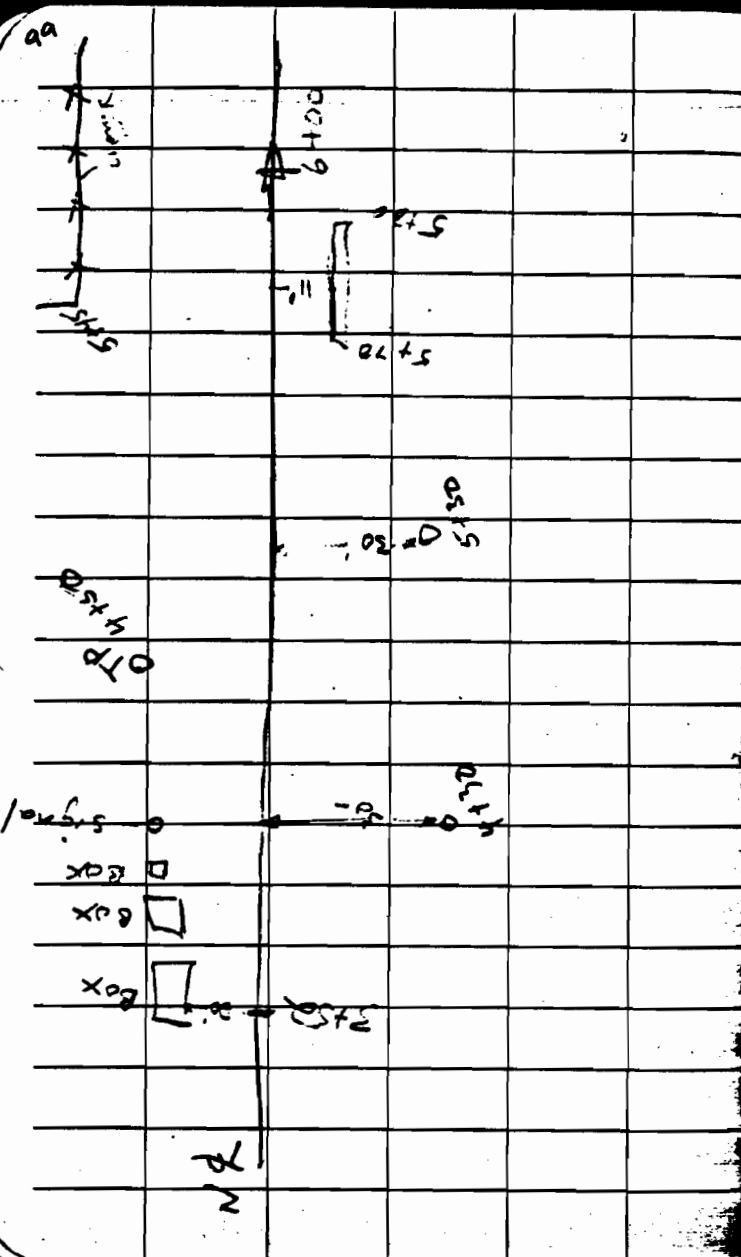
HI - 33.85 95

15.90	14.90	13.46	12.46	11.46	10.46	9.46	8.46	7.46	6.46	5.46	4.46	3.46	2.46	1.46	0.46
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06
15.40	14.32	13.16	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	0.06

Sta 5+00

Road





6-24-81
cloudy-cool
8:30 AM

WATER LEVELS				100
+	H1	-	Elev.	
BURTON BRIDGE				
				27.71
BM 1				
PRELUCE	5.234	32.94	11.39	21.55
HAMMOND HWY				
BM 54				34.14
	.073	34.21	13.325	20.89
Veterans Hwy				
BM 11				29.27
	6.170	35.44	13.740	29.70
BM				
1-10				30.12
	7.265	37.39	16.120	21.27
RR BRIDGE				
				33.11
	4.585	37.70	16.350	21.35

101

Toe/Levee Location

Danny
Larr
8-5-81

1. ORLEANS Side

400' S. OF HAMMOND HWY (558+00)

TOP/WALL

30.4

2.1 32.5

TOE

14.2

18.3

(244)
39' toe
wall

OPPOSITE 40TH ST. ? (568+00)

TOP/WALL

30.4

2.1 32.5

TOE

15.2

17.3

(252)
40.5' toe
wall

OPPOSITE 32ND ST. (594+00)

TOP/WALL

30.2

1.7 31.9

TOE

14.1

17.8

(270)
32' toe
wall

102

100' N. OF VETS HWY (624+00)

TOP/WALL

30.3

2.0 32.3

TOE

12.8

19.5

(234)

36' toe
wall

OPPOSITE COUNTY CLUB DR. (666+00)

CROWN/
LEVEE

30.5

5.0 35.5

TOE

16.3

19.2

83

(321)
39' toe
wall

50' N. OF I-10 WBND (638+00)

CROWN/
LEVEE

30.0

5.0 35.0

TOE

16.2

18.8

57

(283)
32' toe
wall

103

Soundings at 17th St. Canal
Bridges

10/8/81 Steve/Mike

N.W. Abut on
concrete curb

	+	H1	-	Elev.	104
Shot water level @ Vets. Hwy					
BH J-10	5.225			29.24	
water level		37.465	12.820	21.645	
X-section N. of Vets Hwy bridge					
West Abutment = X-section Dist 0					
	0	+10 E.	+20	+30	water edge +40
Red readings	4.980	6.230	7.740	11.165	12.090
	21.575	16.165	12.615	9.455	11.175
	+50	+60	+70	+80	+90
Red readings	13.890	17.780	21.850	24.510	23.280
	+100	+110	+120	+130	+140
	10.545	10.325	10.115	10.715	11.225
	24.370	23.960	24.350	23.730	23.130
				(waterline)	cut moved to S. side of abut
	T156	+160	+170	+180	+190
	10.545	10.325	11.425	20.825	22.365
	23.920	23.41	16.980	19.630	11.940

X-section N side of Vets Hwy bridge

105

	+200	+210	+220	E. Abut +225
20.215	23.315	25.415	28.415	
12.170	11.150	8.57	6.06	

SOUNDINGS AT Hammond Hwy Bridge
South Side

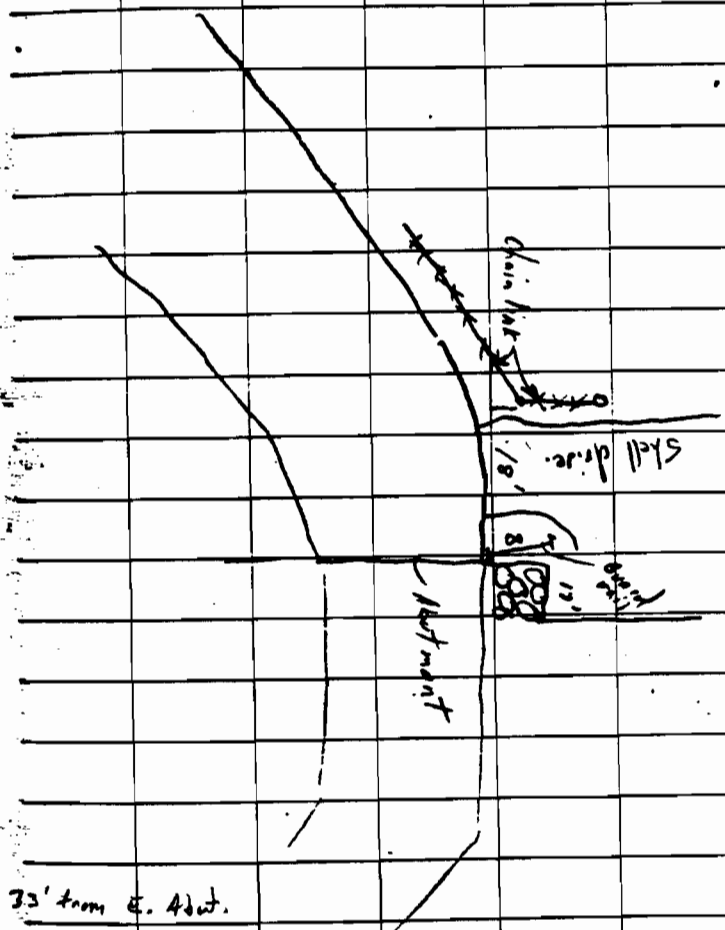
Water level = 21.645

W. Abut.	water line			
0	+25	+35	+45	+55
		21.445	18.645	15.045
		-0.2	-3.0	-6.6
+65	+75	+85	+95	+105
12.645	13.045	11.645	10.645	9.545
-9.0	-8.6	-10.0	-10.95	-12.1
+115	+125	+135	+145	+155
9.545	9.345	10.645	11.645	13.745
-12.1	-12.3	-11.0	-10.0	-7.9

Sheet pile in front of ^{conc.} revetment 5:1 slope

+162
-5.6'
16.045

106



109

water level to Canal bottom
SOUNDINGS N. OF RR. BRIDGE

	water level = 21.645				
water edge					
V. Abut	+17	+20	+30	+40	+50
0	-0.6 21.045	-3.7 17.945	-5.8 15.845	-5.6 16.045	
	+60	+70	+80	+90	+100
	-6.2 15.445	-5.6 16.045	-5.4 16.245	-5.7 15.945	-5.0 16.645
	+110	+120	+130	+140	+150
	-6.1 15.545	-6.3 15.345	-6.3 15.345	-5.6 16.045	-5.6 16.045
	+160	+170	+180	+190	+200
	-5.4 16.245	-3.4 18.245	-2.1 19.545	0.3 21.345	

Gravel and shell slopes

Height of Power Pole bases 110

	+ H1	-	Elev
BM water level From SH 104	12.4000 34.245	3.885	21.645
Top of Pedestal			30.360

Levels @ Bucktown Bridge

10/17/81

Steve / Larry

STA	+	HI	-	EL
TBM 542	4.180	31.81		27.71

PROFILE / ORPHEUM AVE

ABUT-BUCKTOWN BRIDGE			
		2.25	29.64
10'		2.90	28.99
20'		3.65	28.24
30'		4.47	27.42
40'		5.00	26.89
50'		5.34	26.55
60'		5.95	25.94
70'		6.10	25.79
80'		6.27	25.62
90'		6.31	25.58
100'		6.33	25.56
110'		6.42	25.47

SECTION @ 54144

22.61	22.63	27.01	27.59	26.01	25.69
3.2	3.26	4.30	5.30	5.88	6.20
FE	8ER	16	24	32	40

TOP OF EXISTING WALL

26.07
5.82

Clearance at Bucktown Bridge

Normal pool to lowest chord

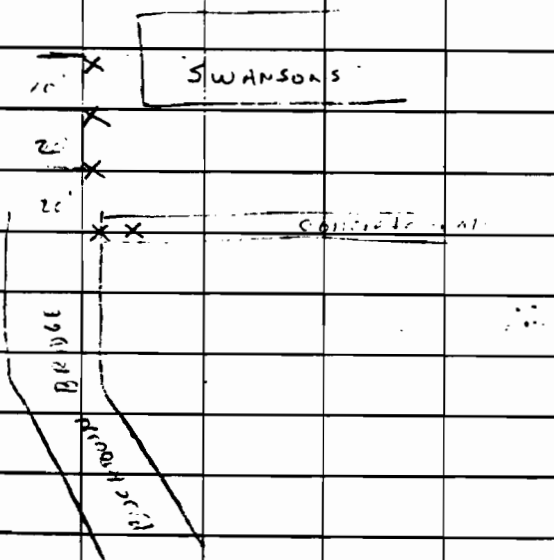
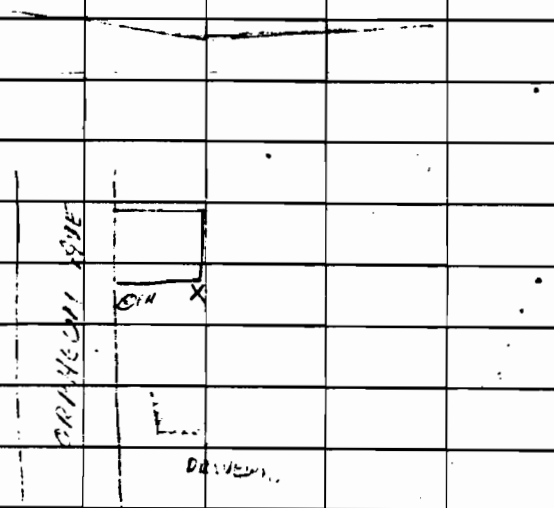
= 12.3'

113 Levels @ Backtown Bridge

STA	+	HI	-	Elev
7112 5-12	9.26	36.97		27.71
		ELEV	GARAGE REAR	
GARAGE REAR		36.97	12.55	24.42

- FRONT / BACKTOWN BRIDGE LANDING
ORLEANS SIDE

STA	+	HI	-	Elev
BRIDGE DECK ELEV		36.97	9.42	27.55
20'			4.60	29.37
40'			9.91	27.16
60'			10.54	26.43
			11.24	25.73



115

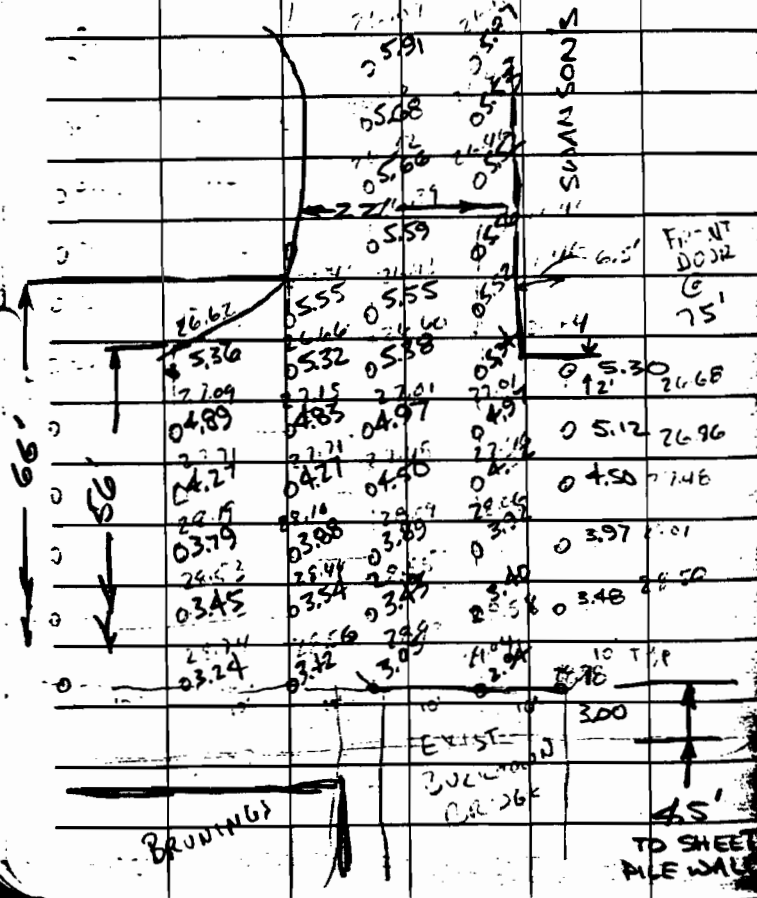
1-21-82

LEVELS - ORLEANS SIDE LANING FOR

NEW BUCKTOWN BRIDGE

SC
TG
LE

TBM 1	1.54	31.98	30.44
-------	------	-------	-------



116

SECTIONS - GROUND SHOW ON EACH

SIDE OF LEVEL 1-21-82 TO LC

STA. 617+00 JEFF

TBM 61	44	35.43	31.99
	30.21	20.91	19.97
	<u>5.22</u>	<u>14.52</u>	<u>15.51</u>
	8'	37'	54'
	TOP	TOE	NG

(DIST. FROM S.P. WALL)

STA. 632+00 JEFF

TBM 632	307	35.40	32.33
	30.09	23.30	21.28
	<u>5.31</u>	<u>12.10</u>	<u>14.12</u>
	7'	24'	58'
	TOP	TOE	BRK
			NG

DIST FROM SP WALL

STA 638+00 JEFF

TBM 638	3.06	35.44	32.38
	29.94	20.90	19.42
	<u>5.50</u>	<u>14.54</u>	<u>16.02</u>
	8'	43'	65'
	TOP	TOE	BRK
			NG

DIST FROM S.P. WALL

117	SECTION 032 (PROV. LVL)			1/21/82
SIDE OF (LEVELS)				
STA.	J-13			
TBX J-13	8.11	28.23		30.12
	22.73	20.21	19.60	
	5.00	17.92	18.57	
SIDAKY ST (646150)	4	55	63	DIST.
	TOE	TOE	NG	FROM CIRE PATH
TP-1			5.24	32.99
	5.50	38.49		
TP-2			5.20	33.29
	5.27	38.56		
	23.40	22.40	20.14	
LOCUST ST. (654100)	5.16	15.16	18.42	T. J. T. NORTH AFACT. ELL
	3	53	82	
	TOE	TOE	NG	
TP-3			5.84	32.72
	6.37	39.09		
TP-4			6.13	32.96
	5.53	38.49		

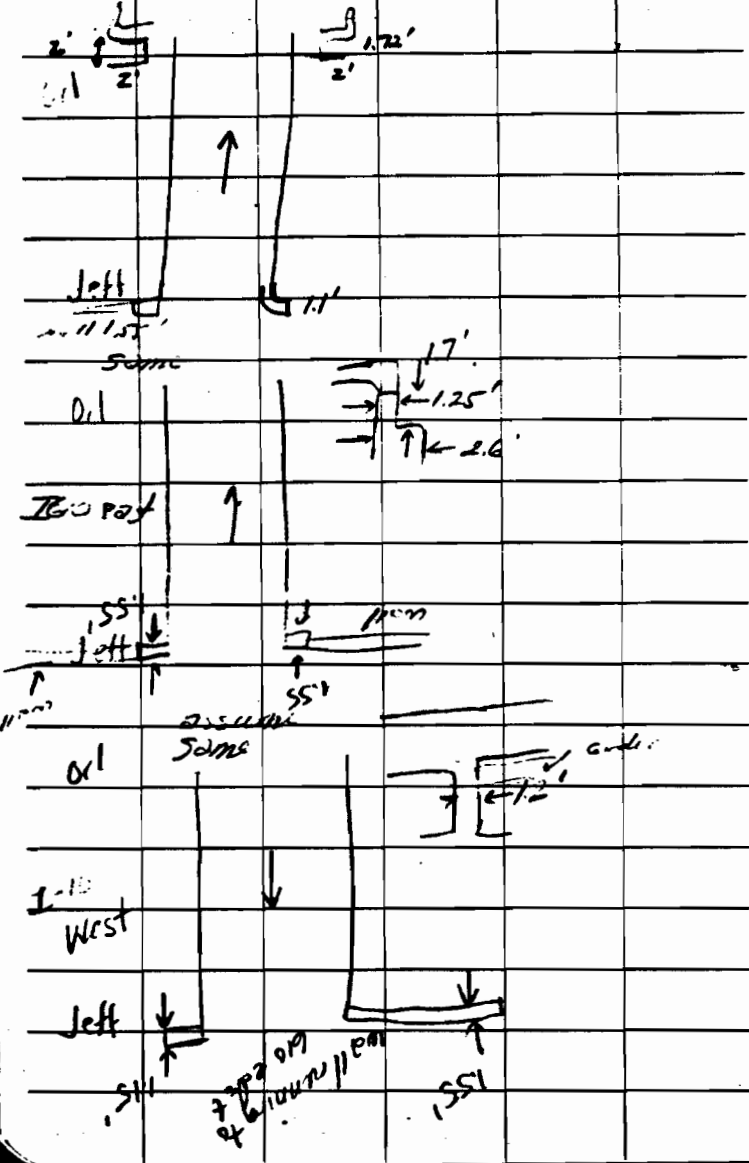
CONT					118
	32.07	38.43	20.37		
	5.42	21.51	18.12		
VIOLET ST. (665100)	4	44	57		
	TOE	TOE	NG		
TP-5			12.47	26.02	
EAST BANK	10.54	36.56			
STA (665100)		20.69			
OPP. 2ND	6.75	15.87			
POWER POLE	0	52'			
DEPTH OF R.R.					LIST FROM BACK CROWN
TP-6			8.42	28.14	
REEF IN FENCE	9.25	36.39			
TP-7			9.87	26.52	
STA (657+00)	9.81	36.33	19.69		
OPP. 4TH	30.94	15.18	16.64		
POWER POLE	0	89	95		
NORTH OF R.R.	BACK CROWN	TOE	NG		
TP-8			6.46	29.87	
	7.02	36.89			
TP-9			5.83	31.06	
	4.92	35.98			

SECTIONS BACK SIDE OF LEVEES CAMP.			
119	1/21/82		
PG, SC, LC		35.88	
	30.47	22.51	19.74
OFF 2nd	5.51	13.44	16.24
1st I-10	0	38	55
STA (646+00)	BACK	TOE	NG
<hr/>			
TRM-13		587	30.11 ✓
<hr/>			
TRM 19			30.51
	2.74	33.25	
	27.74	19.64	16.66
628+00	5.51	14.57	16.52
	12	44	59
		DIST FROM TOP OF WALL	
(634+00)	27.81	14.58	16.51
100' NORTH OF END S.P. WALL	5.44	16.67	16.74
	7	44	57
<hr/>			
TRM 4			30.32
	2.43	32.75	
	27.52	18.77	17.19
624+00	5.23	13.98	15.56
EAST BANK	9'	38	57

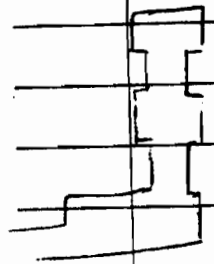
Left		120
Hammond Hwy		
Veterans		
I-610		
I10 west		
I10 east	11 13" (curve)	1.72' from cap to btm of R-1

21

I-10 Eastbound

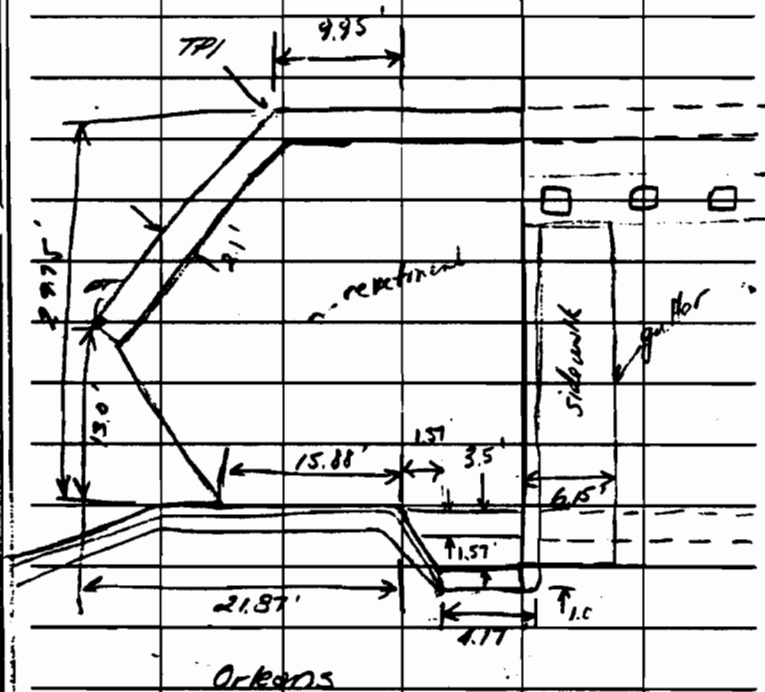


Kets Farm to Rail

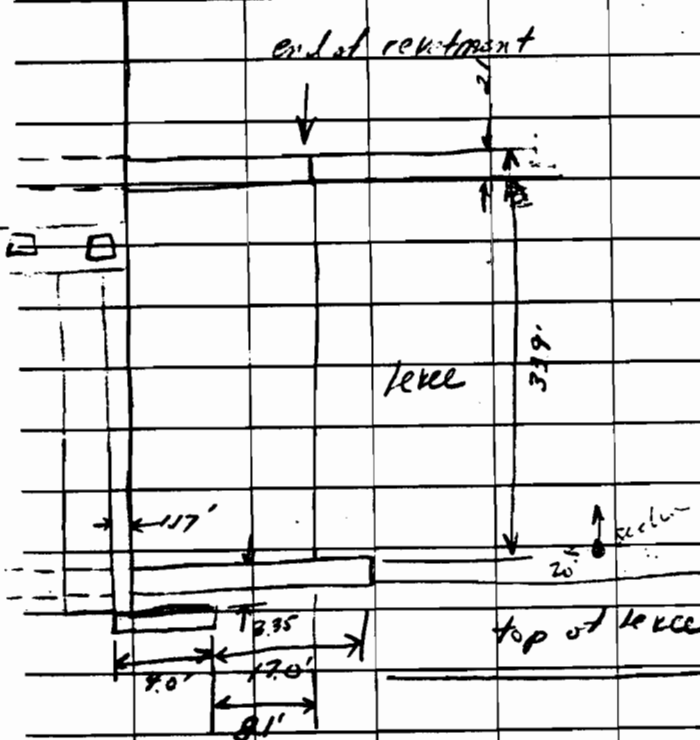


Jefferson

Hammond
Bridg



Howe



125

STA.	+	N.I.	-	EL
TOM-3				2874

080 2954

Section @ Edge of Retention
(Lake Side)

24.70	24.10	24.24	25.00	25.28	25.10
4.80	4.80	5.30	3.60	13	1.78

0.0	2.0	2.0	18.0	34.0	34.0
front of cap	back of cap	retention		front of cap	

24.30	24.30				
1.78	0.24				

36.0	41.0				
back of cap	less top				

Section @ Edge of Cap in front of Wingwall

27.14	27.14	24.01	25.24	27.71	29.28
2.4	2.4	5.5	4.20	1.78	0.26

0.0	2.0	2.0	17.0	35.0	41.0
back of cap	back of cap	ground		ground top	top of levee

126

Section 20' from Edge of Cap in Front

of Wingwall Toward Lake

234	234	2.51	6.54	4.04	0.56
-----	-----	------	------	------	------

0.0	2.0	2.0	14.0	26.0	40.0
front	back	ground			top of levee

+ H.I. - EL

TRI 478 2456

7.90 32.46

Section @ TH (Pump Side)

7.9	7.9	6.6	4.25	2.30	5.30
-----	-----	-----	------	------	------

0.0	2.0	16.0	30.0	30.0	32.0
front of cap	back	retention	front of wall	top of sheet pile cap	top of sheet pile

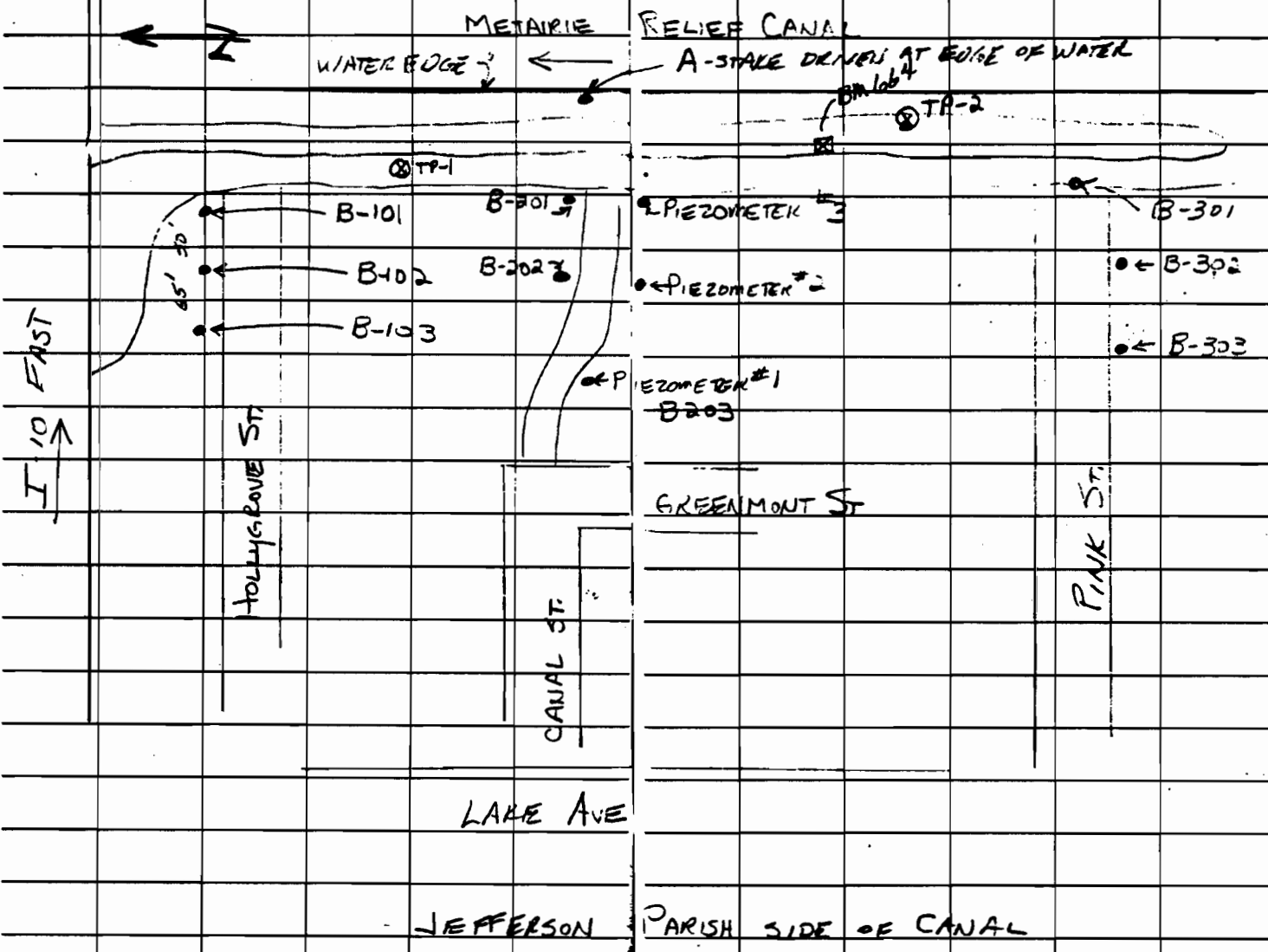
Section @ Corner of Cap (Pump Side)

7.82	6.08	5.66	2.34	5.18	
------	------	------	------	------	--

0.0	8.0	14.0	14.0	17.0	
Corner		front of cap	top of wall	top of levee	

+ H.I. - EL

374 2872



FAST
I 10

TOLLYGROVE ST

CANAL ST

LAKE AVE

JEFFERSON

RELIEF CANAL

WATER EDGE

METAIRIE

A-STATE DRENELS AT EDGE OF WATER

B-101

B-301

PIEZOMETER #3

B-301

B-102

B-302

PIEZOMETER #2

B-302

B-103

PIEZOMETER #1

B-303

B-303

GREENMONT ST

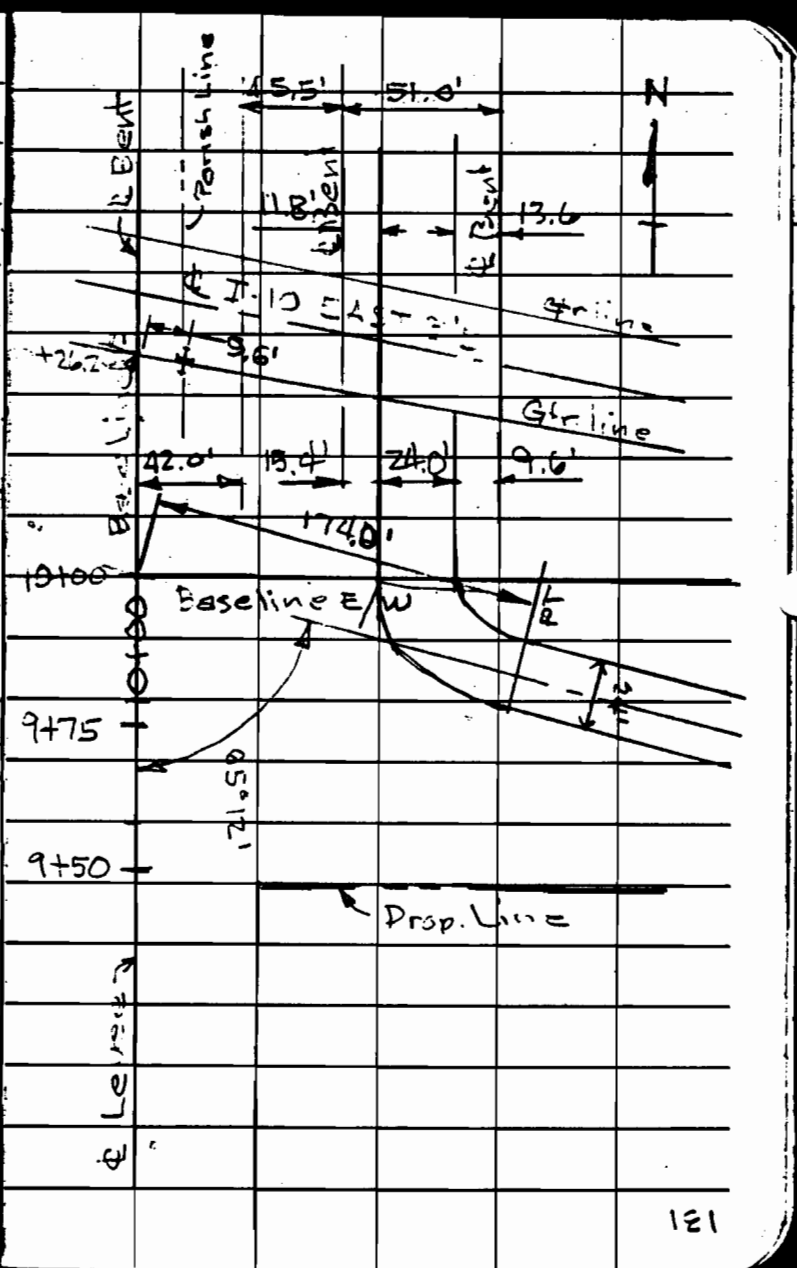
PINK ST

PARISH SIDE OF CANAL

129	B.S.R.	- TOE OF SLOPE		
STA	+	HI	-	EL.
BM I-13	2.61	32.73		30.12
B-101			13.52	19.21
B-102			14.12	18.61
B-103			14.35	18.37
IF 1	6.8	37.83	1.70	31.03
B-201	14.32	55.65	16.5	21.33
B-202			15.74	19.91
B-203 + PIER #1			16.02	19.63
B-204 + PIER #2			15.80	19.85
B-205 + PIER #3			13.14	22.51
WATER SURFACE @ A			14.08	21.57
RED LINE DISTANCE @ A			12.14	23.51
TOP OF STAKE @ A			10.82	24.83
IF-2	4.82	38.47	2.00	33.65
BM 664			5.22	33.25 ←?
B-301			15.52	22.95
B-302			17.44	21.03

5/11/82	TARAVELA				130
STA.	+	HI	-	EL.	REF EL.
B-303		33.47	17.83	20.59	
BM @ STA 670			5.34	33.13	33.11
					DIF = 0.02 OK

Sta.	base ϕ =/w	CLEAR 92°	JOB T NLS C/D
	Lt	Rt	
0	Gtr line 26.2 I-10		
39.25	15.8' I-10		
86.10	4.3' I-10		
103.5	Gtr. Line Academy Dr		
127.9	Gtr Line Academy Dr		
173	3tr 8.6' I-10		
98.0	7.7 M.H. LDH		
99.0	33.4 Lt Std		
100.0	46.0 Son		
113.5	21.7 PC. Rt Gtr		
127.9	PC. Lt Gtr.		
135.0	14.1 MH LDH		
135.0	34.3 EB Lt Gtr.		
	19.0' ϕ to ϕ of Column, 9.5' Circum.		
132			



133

BM#
8

Rt. Base

N/S

J-13
30.12

+

HI

BS.

EL.

33.53
3.41

3.41

33.52

8-7 @ Baseline N/S

134

25.5

25.4

27.4

25.1

17.5

3.2

4.9

3.1

8.4

13.7

0

17

32

44

62.9

5.0

17.5

7.5

12.0

15.3

16.0

16.0

16.7

9

95

100

102

30.2

25.5

2.7

25.1

12.2

9+75

3.2

5.2

6.8

13.4

14.9

0

25

34

60 toe

78

7.6

1.4

10.7

15.9

16.1

16.7

93

100

102

3.1

2.4

3.5

15.4

17.3

9+50

3.5

6.1

13.0

15.1

16.0

0

25

55 toe

77

88

↑

16.5

3-r.

16.7

104

3-r

Well Point	Elev.		
+ HI	- Elev.		
BM #8	2.94	33.06	30.12'
Well point #1	ground	6.65	32.41
	top pipe	0.80	32.26
Well point #2	ground	12.10	20.96
	pipe	10.56	22.50
Well point #3	ground	12.75	22.31
	pipe	11.25	21.81
Well point #4	ground		
TP #1	pipe	12.89	20.17
	ground		
	ground		
	pipe		

Sept 29, 1963		Clear	80°	NLS 1
+ HI		Hot	Clear	HHB X 11
TP #1	3.49 2.360	23.64 22.53	20.17 20.17	
#4		ground	3.99 5.44	18.54
#5		ground	3.47 4.51	19.06
		pipe	3.76 4.80	18.76
#6		ground	3.73	18.80
		pipe	2.03	20.50
TP #2	12.30	32.59	2.24	20.29
BM #8			2.47	30.12
				closure 0.00
				Close - Sand down about 1 meter

	+	HI	-	Elev.
TP #		32.59	12.15	32.44
	3.67	36.11		

Stake in water

E. end of site	11.48	24.63
N. end of site	11.30	24.75

LEVEES

INDEX

Property of _____

Address _____

Telephone _____

PAGE 6-28 17TH ST. CANAL X-SECTIONS
(JEFFERSON PARISH SIDE)

PAGE 29-57 17TH ST. CANAL X-SECTIONS
(ORLEANS PARISH SIDE)

P. 58 VET. Hwy BRDG. SLAB DEPTH

This Book is manufactured of a High Grade
50% Rag Ledger Paper having a Water Resist-
ant Surface, and is sewed with Nylon Water-
proof Thread.

WEST SIDE 17TH ST. CANAL
(JEFFERSON PARISH)

STA. + H.I. - ELEV. DL

BM #3 11.25 31.62 ✓ 20.37

T.P. 6.92 35.05 - 3.49 28.13

1/27/84

CLEAR COUL 50'
HERSTEIN ID
GREGO T
SALTY S
MADISON F

WOOD NAIL IN P.P. @ ORMEAU & PLAQUEMINE

STA. 553+70

TOP S.P.	CROWN	±	CROWN	TOE	E.A.S.	E.A.S.
34.13	30.4	30.5	30.4	24.6	22.49	21.03
0.92	4.7	4.6	4.7	12.5	12.5	13.22
0	0.1	5.0	7.0	28.0	29.0	45.4

BREAK
20.6 16.6
14.5 20.5
26.1 16.6
 33

STA. 556+00

TOP S.P.	CROWN	±	CROWN	TOE	E.A.S.	E.A.S.
34.09	32.1	30.0	29.9	20.7	20.30	19.49
0.96	3.0	3.1	5.2	14.4	14.25	15.52
0	0.1	5.0	7.0	27.9	30.1	44.7

E. SHOULDER TOE
15.3 16.4
47.2 52.3

1/27/84
SAME CARW

STA.	+	H.I.	-	ELEV.
		35.05		
T.P.	0.63	34.46	1.02	34.03

STA. 558+00

TOP S.P.	GROUND	I	GROUND	T.M.	E.A.S.	N.G.
34.57	29.7	4.5	29.3	19.46	18.76	18.9
0.98	5.4	5.6	5.8	15.37	16.29	16.2
0	0.1	4.0	6.0	30.6	48.9	59

STA. 540+00

TOP S.P.	GROUND	I	GROUND	T.M.	E.A.S.	E.A.S.
34.01	29.4	4.6	29.3	20.7	15.04	14.39
0.65	5.3	5.2	5.7	14.3	14.62	15.27
0	0.1	4.0	6.5	32.2	34.0	50.8

LIVE OAK ST.
15.17
15.49
0.10

STA.

+

H.I.

-

ELEV.

34.66

T.P.

0.70

34.74

0.62

34.04

1/27/82

SAME CREW

STA. 562+00

TOP	CRUM	IF	CRUM	TOE	E.A.S.	N.G.
S.P.	29.7	5.1	29.3	19.47	18.84	18.8
34.04	5.0	5.1	5.4	15.19	15.82	15.7
0.62	0.1	4.0	7.0	352	49.0	60
0						

STA. 564+00

TOP	CRUM	CRUM	TOE	E.A.S.	N.G.
S.P.	29.2	29.2	19.04	19.13	18.1
34.04	5.5	5.5	14.02	15.53	17.0
0.62	0.1	7.4	34.0	47.3	57.0
0					

STA. 566+00

TOP	CRUM	CRUM	TOE	E.A.S.	N.G.
S.P.	29.1	29.0	19.53	18.64	18.4
34.03	5.6	5.7	12.21	14.10	16.3
0.71	0.1	7.0	34.0	49.0	57.0
0					

1/27/84
SAME CORN

STA.	+	H.I.	-	ELEV.
		34.74		
T.P.	6.15	29.78	11.11	23.63 ✓
BM-#4	10.51 10.59	30.40	9.88	19.90 ✓
T.P.	11.15	34.83 ✓	6.72 6.79	23.68

STA. 568+00

T.P.	S.P.	CRAND	CRAND	TOE	E.A.S.	E.S. MARK	TOE
	33.74	29.3	29.3	19.06	18.20	18.2	N.G.
	0.80	3.4	5.4	15.68	6.92	6.5	18.4
	0	0.1	7.0	355	49.0	50.0	60.5

601 NAIL IN P.P. @ CORNER & REBAR

STA. 570+00

T.P.	S.P.	CRAND	CRAND	TOE	E.A.S.	N.G.
	33.98	29.5	29.4	19.09	18.29	17.9
	0.80	3.3	5.4	15.74	6.52	6.9
	0	0.1	6.9	350	48.6	60.0

1/21/84
SAME CREW

STA.	+	H.I.	-	ELEV.
		34.83		
T.P.	0.75	34.76	0.82	34.01

STA. 572+00

TOP	CRON	CRON	TOE	E.A.S.	E.A.S.	N.G.
33.96	29.6	29.8	19.03	18.23	17.5	
287	5.2	5.0	15.75	14.60	17.3	
0	0.1	7.3	35.0	49.2	60.0	

STA. 574+00

TOP	CRON	CRON	TOE	E.A.S.	E.A.S.	N.G.
31.76	29.7	29.7	18.81	17.93	17.7	
287	5.1	5.1	15.95	14.83	17.1	
0	0.1	7.0	34.8	48.6	60.0	
			-1.62	-2.60	-2.83	

STA. 576+00

TOP	CRON	CRON	TOE	E.A.S.	E.A.S.	SAUNDER	N.G.
31.33	29.5	29.5	18.67	17.83	17.9	16.3	
287	5.5	5.3	14.09	13.88	16.7	13.5	
0	0.1	8.0	34.6	48.3	5.0	60.0	
			-1.76	-2.55	-2.53	-4.1	

STA.	+	H.I.	-	ELEV.
------	---	------	---	-------

		34.76		
--	--	-------	--	--

T.P.	2.20	35.01	1.95	32.81 ✓
------	------	-------	------	---------

STA. 578+00

T.P.	CROWN	CROWN	T.O.E.	E.A.S.	E.A.S.	N.G.
S.P.			E.A.S.		T.O.E.	
33.07	29.8	29.5	18.97	18.52	18.11	
1.69	5.0	5.3	15.79	16.24	16.7	
0	0.1	7.0	34.0	47.0	59.0	

-1.46 -1.91 -2.33

STA. 580+00

T.P.	CROWN	CROWN	T.O.E.	E.A.S.	E.A.S.	N.G.
S.P.			E.A.S.		T.O.E.	
21.54	29.6	29.4	20.16	19.45	19.0	
2.50	5.4	5.6	14.85	15.56	16.0	
0	0.1	6.7	30.0	43.6	55.0	

-0.27 -0.98 -1.43

STA. 582+00

T.P.	CROWN	CROWN	T.O.E.	E.A.S.	E.A.S.	N.G.
S.P.			E.A.S.		T.O.E.	
21.07	29.8	29.5	20.33	19.33	18.8	
2.94	5.2	5.5	14.63	15.63	16.2	
0	0.1	7.0	28.0	41.0	53.0	

-0.11 -1.1 -1.63

12

1/27/84
SAME CREW

STA.	+	H.I.	-	ELEV.
		35.01		
T.P.	2.65	30.26	7.40	27.61
BM #5	10.18	31.96	BAB	21.78 ^v (21.78)
T.P.	4.94	34.78 ^v	2.12	29.84

1/27/84
SAME CREW

STA. 584+00

TOP	CP	CP	TOP	CP	CP	TOP
S.P.	CRWN	CRWN	E.AS.	E.AS.	TC	BACK
36.19	30.0	27.6	19.97	19.87	19.82	19.2
2.82	5.0	5.4	15.82	15.82	15.7	15.8
0	0.1	9.0	33.0	45.7	46.3	42.0
			-4.6	-1.06	-0.59	-1.23
						-2.53

LOW MARK IN RP. @ APPROX 4' MARK

STA. 586+00

TOP	CP	CP	TOP	AS.	BACK ST.
S.P.	CRWN	CRWN	E.AS.	AS.	BACK ST.
26.08	29.8	29.6	15.82	19.90	18.28
2.70	5.0	5.2	15.82	15.88	16.50
0	0.1	8.0	31.6	44.2	56.6
			-9.3	-1.53	-2.15

STA.

+

H.I.

-

ELEV.

34.78

T.P.

3.61

35.74

2.65

32.13

12

1/27/04

SAME CREW

STA. 588+00

TOP	CROWN	CROWN	THE	E.A.S.	E.A.S.	E.COR.
S.P.	29.6	27.5	E.A.S.	19.83	18.91	
2.72	5.2	5.3	20.31	14.75	15.87	
0	0.1	8.0	27.0	37.0	48.2	
				-0.6	-11.52	

STA. 590+00

TOP	CROWN	CROWN	THE	E.A.S.	E.A.S.	E
S.P.	29.9	29.9	E.A.S.	21.43	22.02	21.7
2.18	4.9	4.9	12.2	23.35	22.76	13.1
0	0.1	9.0	29.6	33.0	40.5	44.0

STA. 592+00

TOP	CROWN	R.R.S.	CROWN	THE	E	E.COR.
S.P.	30.6	30.7	E.A.S.	28.6	27.2	21.1
2.33	5.4	3.00	30.5	13.1	14.5	14.6
0	0.1	1.0	10.0	28.0	39.5	42.0

STA.

+

H.I.

-

ELEV.

35.74

15

4/27/24
SAME CORN

STA. 594+00

90.38

ST	CROWN	E.A.S.	E.A.S.	TOE	GRAVEL	TOE	CORN
1.04	30.3	5.26	30.37	21.7	20.3	20.69	18.89
5.7	5.4	0	5.37	1.0	15.2	15.05	16.85
2	0.1	1.5	9.0	32.0	42.5	42.7	43.1

STA. 596+00

ST	CROWN	E.A.S.	E.A.S.	TOE	GRAVEL	TOE	CORN
1.15	30.5	5.24	30.34	21.8	20.5	20.74	19.02
5.7	5.2	0	5.10	1.39	15.2	15.00	16.72
2	0.1	1.5	9.0	32.7	43.5	43.7	44.1

T.P.

304

36.01

3.57

32.17

STA. 598+00

ST	CROWN	E.A.S.	E.A.S.	TOE	GRAVEL	TOE	CORN
1.4	30.4	5.25	30.25	21.41	19.90	19.14	
2.0	5.0	5.26	5.26	1.6	14.1	14.07	
2	0.1	1.5	8.5	32.0	44.5	57.0	

1/27/04
SWE CREW

STA. + H.I. - ELEV.

3601

STA 600+00

TOP	CROWN	E.A.	E.A.	TOE	BREAK	E.A.
32.51	30.7	35.72	30.87	13.0	20.5	19.40
3.26	5.3	5.27	5.57	13.0	15.5	16.61
0	0.1	1.5	8.5	28.5	45.3	57.0

STA 602+00

TOP	CROWN	E.A.	E.A.	TOE	CROWN	TOP	CROWN	CONC.
32.29	30.4	30.95	30.12	22.91	20.4	20.78	26.77	19.95
3.72	3.6	5.56	5.89	13.6	15.6	15.23	15.84	16.05
0	0.1	1.5	8.5	31.0	51.0	51.6	58.8	51.0

T.P. 3.25 35.56 3.70 32.31

STA 604+00

TOP	CROWN	E.A.	E.A.	TOE	CROWN	TOP	CROWN	CONC.
32.29	30.6	30.68	30.20	22.2	20.7	20.92	26.53	19.81
3.52	3.0	4.73	5.36	13.4	14.9	15.64	15.23	15.75
0	0.1	1.0	8.5	31.0	48.0	48.2	48.6	51.0

STA. + H.I. - ELEV.

35.30

7 T.P. 3.54 35.93 3.17 32.39

1/27/22
SAME CREW

STA. 600+00

TOP	CROWN	E.A.S.	E.A.S.	CROWN	TOE	BREAK	GAUGE
31.31	30.3	30.37	30.09	30.1	20.6	19.5	19.8
3.25	5.5	5.17	5.27	5.5	15.0	14.1	14.5
0	0.1	1.0	1.0	8.5	33.0	43.0	48.0

STA. 600+00

TOP	CROWN	E.A.S.	E.A.S.	TOE	BREAK	EDGE
31.40	30.7	30.59	30.10	20.5	20.7	19.30
3.16	4.7	4.97	4.96	14.8	14.9	14.25
0	0.1	1.5	1.0	35.0	41.3	44.7

STA. 610+00

TOP	CROWN	E.A.S.	E.A.S.	TOE	(MARKS)	A.S.	A.S.
31.32	30.8	30.57	30.10	19.6	25.17	22.74	22.57
3.61	5.1	5.20	5.15	11.3	12.76	13.17	13.26
0	0.1	1.0	2.0	32.5	31.8	33.0	33.5

STA.	+	H.I.	-	ELEV.
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		35.93		
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T.P.	1.00	32.93	3.95 1.1	31.98
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BM-# 6	12.41	33.15	12.23	20.75	20.74
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18
1/27/84
SAME CREW

STA. 602+00

TOP	CROWN	E.A.S.	CROWN	E.A.S.	TOE	OPEN	E.A.S.	A.S.
S.P.	30.5	30.57	30.94	30.94	24.1	23.4	23.62	22.23
0.60	54	5.4	5.49	5.49	11.8	12.5	13.31	13.0
0	0.1	1.0	8.0	8.0	29.0	32.5	52.0	600

STA. 614+00

TOP	CROWN	E.A.S.	CROWN	E.A.S.	TOE	OPEN	E.A.S.	A.S.
11.8	30.2	30.35	29.75	29.75	23.83	22.73	21.63	
3.75	52	5.58	5.98	5.98	12.7	13.2	14.3	
0	0.1	1.5	8.0	8.0	30.0	42.8	600	

STA. 616+00

TOP	CROWN	E.A.S.	CROWN	E.A.S.	TOE	OPEN	E.A.S.	A.S.
30.5	30.5	30.44	30.0	30.0	23.8	21.5	20.5	20.0
2.5	2.5	2.54	2.97	2.97	7.7	11.6	12.5	13.0
0.1	0.1	1.5	8.0	8.0	26.0	37.2	39.5	47.2

1/2" NAIL IN P.P. @ LEVEE & RASPBERRY

STA.	+	H.I.	-	ELEV.
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		33.15		
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T.P.	3.46	35.60	1.01	32.14
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11
1/27/02
SAME CREW

STA. 618+00

CLAW	E.A.	E.A.	T.P.	0.4	0.4	T.P.	0.2
30.6	30.73	30.19	23.1	20.8	20.89	12.73	
2.6	2.92	2.96	19.1	18.4	12.35	12.73	
0.1	1.0	0.5	30.0	17.4	67.0	67.7	

STA. 620+00

CLAW	E.A.	E.A.	T.P.	0.8	0.12	0.12
30.7	30.92	30.62	22.7	21.2	20.6	
2.5	2.3	2.53	19.5	12.0	12.6	
0.1	1.5	1.0	27.0	0.5	63.0	

STA. 622+00

CLAW	E.A.	E.A.	T.P.	0.4	0.4	T.P.	0.4
30.4	30.48	30.51	23.3	20.8	20.0	15.6	
0.2	4.18	5.01	12.3	14.8	45.3	57.0	
0.1	1.5	2.0	20.0				

STA.

+

H.I.

-

ELEV.

35.60

BM 47

5.85

35.09

6.36

29.24

29.24 ✓

625+30

6.53

29.56

625+70

5.85

29.24

625+90

5.86

29.23

626+30

6.45

29.64

20

1/27/24
SAME CORNSTA. 624+~~00~~²⁷

GRAV	E.A.	E.A.	FE	BEAK	E. CONC	CONC.
30.16	1.6	22.95	24.4	23.5	22.95	22.24
30	1.2	23.5	7.2	12.3	12.65	13.36
0.1	1.5	20	33.5	44.4	49.5	600
			3.97	2.87	2.52	+1.81

NETS ELVD. BRIDGE WEST BOUND

"

"

EAST "

STA. 627+28

GRAV	GRAV	BEAK	E.A.	E.A.	E.A.
30.3	30.1	21.5	25.16	24.86	23.96
1.0	5.0	1.6	9.93	10.23	11.13
47	70	18.0	36.0	44.0	600
		7.07	4.73	4.43	+3.53

STA.

+

H.I.

-

ELEV.

35.09

T.P.

3.29

35.57

2.81

32.28

21

1/27/04
SWE CREW

STA. 628+00

TOP	CROWN	CROWN	TOE	E.A.S.	E.A.S.	PARKING
32.67	30.0	29.1	25.20	22.77	22.41	Lot
2.82	3.1	5.2	2.9	12.32	12.63	E.A.S.
0	1.0	7.0	23.0	37.6	46.7	21.47
						13.62
						61.4
			4.77	23.4	+1.98	+1.84

STA. 630+00

TOP	CROWN	CROWN	TOE	E.A.S.	E.A.S.	E.A.S.
31.87	27.9	27.1	24.5	21.63	21.15	20.0
3.22	5.8	5.7	7.6	13.8	14.42	15.6
0	0.5	7.0	27.5	45.0	52.0	62.0
			+3.54	+1.2	+1.72	-.43

STA. 632+00

TOP	CROWN	CROWN	TOE	E.A.S.	E.A.S.	E.A.S.
32.31	30.5	30.2	27.5	21.77	21.31	19.38
3.26	5.1	5.6	7.3	13.80	14.26	17.17
0	0.5	7.0	26.0	30.0	50.0	60.5
			3.84	13.4	1.88	-1.05

1/27/84
SAME CREW

STA. + H.I. - ELEV.

35.57

T.P.

2.62

35.09
35.10

3.09

32.43

STA. 634+00

TOP	CROWN	CROWN	TOE	E.A.S.	E.A.S.	E.A.S.
37.33	7.7	33.4	25.0	22.25	21.96	30.88
37.2	5.2	5.2	10.6	13.29	13.6	17.69
0	0.5	8.0	28.0	5.0	59.0	73.0
			4.57	1.85	1.53	.45

STA. 636+00

TOP	CROWN	CROWN	TOE	BACK	E.A.S.	E.A.S.	MG.
37.97	30.8	30.0	21.7	19.5	19.36	18.01	17.9
2.62	4.8	5.1	13.4	13.6	16.73	17.00	17.2
0	0.5	7.0	3.0	59.0	34.0	62.0	73.0
			1.27	-0.93	-2.07	-2.42	-2.53

STA. 638+31

TOP	CROWN	CROWN	TOE	E.A.S.	E.A.S.	E	MG.
37.43	30.3	29.7	22.5	15.35	19.90	18.7	17.9
2.62	4.8	5.2	12.8	12.85	13.69	16.2	17.2
0	0.5	7.0	35.4	37.0	69.0	72.0	81.0
			1.87	-0.69	-1.13	-1.73	-2.53

T.P.

5.34

37.77
37.78

2.06

32.44

1/30/84 23

CLEAR-COOL
 HIRSHEN
 GREG
 SMITH
 MADISON

STA.	+	H.I.	-	ELEV.
		37.77 37.78		
639+29			7.94	29.83
639+97			7.53	27.56 30.24
640+69			6.30	28.19 31.17
640+97			6.68	28.91 31.09
641+49			8.05	21.04 29.72
641+78			8.38	26.11 29.39
BM #8	7.91	38.03	7.64	30.12 30.14 (30.12)

I-10 WEST
 I-10 WEST
 I-10 EAST
 I-10 EAST
 I-10 EAST
 I-10 EAST

SAVAGE IN CONC. "J-13" SW WINGWALL I-10 BRIDGE

STA. 643+00

CROWN EAS.	CROWN EAS.	TOE E	Elev (conc.)
27.11	30.14	20.2	18.82
556	572	17.8	17.21
10	70	SLOD	31.0
		-1.2 3	-1.61

1/30/84
SME CREW

STA.	+	H.I.	-	ELEV.
		38.03		

STA. 644+00

CROWN	CROWN	TOE	#	N.G.
E.S.	E.S.	TOE	#	N.G.
32.81	32.56	19.4	11.0	18.8
5.22	5.47	18.6	12.0	19.2
0	7.0	52.0	23.3	79.0
		-1.03	-1.43	-1.63

STA. 646+00

CROWN	CROWN	TOE	#	N.G.
E.S.	E.S.	TOE	#	N.G.
33.21	33.09	19.1	15.6	18.4
4.82	4.74	18.9	19.4	19.6
0	7.0	52.0	41.5	79.0
		-1.33	-1.83	-2.03

T.P.	5.13	38.16	5.00	33.03 ✓
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STA. 648+00

CROWN	CROWN	TOE	#	N.G.
E.S.	E.S.	TOE	#	N.G.
33.27	33.14	20.3	18.6	18.4
4.09	3.02	17.4	19.6	19.0
0	7.0	52.0	74.0	81.0

STA.

+

H.I.

-

ELEV.

38.16

T.P.

4.79

38.28'

4.67

33.49'

25

1/30/02
SAME CORN

STA. 650+00

CROWN	CROWN	TOE	BANK	SHELL
E. AS	E. AS			
33.33	32.71	20.7	18.3	18.5
4.83	5.25	17.5	19.4	17.7
0	73	53.0	67.0	78.0

STA. 652+00

CROWN	CROWN	TOE	BANK	N.G.
E. AS	E. AS			
53.32	33.11	21.0	19.6	19.1
4.84	5.05	17.2	18.6	19.1
0	74	60.0	69.5	85.0

STA. 654+00

CROWN	CROWN	TOE	BANK	E. CORN
E. AS	E. AS			
33.61	33.75	21.0	20.0	19.77
4.67	5.03	16.7	18.3	18.51
0	75	61.0	71.0	84.0

STA.

+

H.I.

-

ELEV.

33.28

T.P.

5.75

33.79

33.78

5.25

33.03

26

1/30/84
SME CADU

STA. 656400

CROWN	CROWN	TDE	E. CORR.
32.83	32.12	17.1	19.54
5.40	5.52	18.4	18.74
1.0	7.5	54.0	03.6

STA. 658400

CROWN	CROWN	TDE	BREAK	E. CORR.
32.87	32.07	21.6	21.1	20.57
5.41	5.61	16.7	17.2	17.71
1.0	7.7	51.0	60.0	83.0

STA. 660400

CROWN	CROWN	TDE	BREAK	H.G.	H.G.
32.63	33.05	23.3	22.2	21.0	20.8
5.56	5.74	15.5	16.2	17.3	18.0
1.0	7.5	48.3	51.0	73.0	20.0

1/30/04
SAME CREW

STA.

+

H.I.

-

ELEV.

38.78

STA. 662+00

CROWN	CROWN	FE	
E.A.S.	E.A.S.	TOT	N.G.
33.06	33.39	20.9	19.7
5.13	5.40	18.2	19.1
0	7.0	47.0	72.0

STA 664+00

CROWN	CROWN	TOT	FE	N.G.
E.A.S.	E.A.S.	TOT		
32.76	32.97	21.6	20.8	20.6
5.83	5.82	17.2	18.0	18.2
0	7.7	45.0	49.0	74.0

STA. 666+00

CROWN	CROWN	TOT	BREAK	N.G.
E.A.S.	E.A.S.	TOT		
33.08	33.13	21.7	20.6	20.1
5.02	5.27	16.7	17.8	18.3
0	7.3	45.0	54.0	73.0

T.P.

5.00

38.40
38.39

5.39

40
33.39 ✓

STA.

+

H.I.

-

ELEV.

38.40
38.39

T.P.

7.49

37.38
37.37

8.51

29.84
29.88

28

1/30/02
SAME CREW

STA. 668+00

CREW E.A.S.	CREW E.A.S.	E T.O.E.	BREAK T.O.E.	H.G.
33.14	33.00	21.5	20.7	20.4
520	510	16.9	17.7	18.0
0	7.5	48.0	56.0	73.0

STA. 669+87

CREW E.A.S.	CREW E.A.S.	E T.O.E.	BREAK T.O.E.	23.3	22.5	21.9
33.04	33.15	26.5	25.7	15.1	15.9	16.5
536	525	11.9	13.0	58.0	75.0	80.0
0	7.5	33.0	35.0			

STA. 671+25

CREW E.A.S.	CREW E.A.S.	BREAK T.O.E.	T.O.E.	27.2	26.5
32.30	31.82	31.2	28.7	11.2	11.9
6.10	6.53	7.2	9.7	39.0	75.0
0	7.5	8.5	22.0		

EAST SIDE 17TH ST. CANAL
(ORLEANS SIDE)

STA. + H.I. - ELEV.

37.54
37.37

29

1/30/04
SAME CREW

✓ STA. 670475 (671175 FELL IN GAP IN LEAVE FOR RR TRACKS)

BACK	BACK	BACK	BACK	BACK	BACK	BACK
19.3	23.2	25.7	27.5	29.2	32.6	32.6
18.1	18.0	12.0	9.9	8.2	4.8	4.8
700	620	42.5	34.0	25.0	6.0	0

11.6
18.6
13.8
700

✓ STA. 669487

BACK	BACK	BACK	BACK	BACK	BACK	BACK
1.7	4.5	7.3	11.9	11.9	11.9	11.9
21.6	24.9	27.9	30.1	32.3	31.1	31.1
15.0	12.5	9.7	6.7	3.1	2.3	2.3
700	620	61.0	59.0	20.0	0	0

-1.3
15.1
18.3
700

STA.

+

H.I.

-

ELEV.

37.28
37.37

T.P.

4.64

36.25
36.24

5.77

31.61
31.00

T.P.

4.58

36.35
36.34

4.48

31.77
31.76

30

1/30/04
SAME CORN

✓ STA. 668+00

22.1	BREAK	ADJUST	±	CROWN	±	CROWN
153	23.1	25.6	26.3	31.5	31.9	31.6
1200	14.3	14.8	11.1	59	5.8	5.8
	85.0	60.0	57.0	280	140	0

① HOUSE
21.9
155
133

✓ STA. 666+00

CONC.	±	BREAK	±	CROWN	±	CROWN
14.15	22.10	27.2	25.8	29.4	31.1	30.7
1200	13.92	13.7	11.5	64	5.2	5.6
	95.0	85.0	60	31	14	0

1/30/04
SAME CREW

STA + H.I. - ELEV.

36.35
36.34

T.P.

0.67

32.40
32.39

4.62

31.13
31.72

✓ STA. 660+00

CHANCE	TOE	#	CROWN	E	CROWN
20.5	20.8	28.8	30.0	31.2	31.3
15.9	15.8	11.6	6.4	5.2	5.1
<u>114.0</u>	<u>97.0</u>	<u>600</u>	<u>34</u>	<u>14</u>	<u>0</u>

✓ STA. 662+00

NG.	NG.	TOP RETAINING WALL	BRICK	#	CROWN	E	CROWN
21.4	21.8	22.5.1	24.2	25.8	31.1	31.7	31.1
11.0	10.6	9.53	0.2	6.6	1.3	0.7	7.3
<u>120.0</u>	<u>84.5</u>	<u>84.0</u>	<u>48.0</u>	<u>41.5</u>	<u>32</u>	<u>17</u>	<u>0</u>

T.P.

2.09

33.68
33.67

0.81

31.59
31.58

STA. 660+00

NG.	TOE	BRICK	#	CROWN	E	CROWN
14.4	20.9	22.1	25.1	30.9	31.7	31.4
14.0	12.0	11.0	5.6	2.8	2.0	2.8
<u>125.0</u>	<u>101.0</u>	<u>85.0</u>	<u>59.0</u>	<u>28</u>	<u>15</u>	<u>0</u>

STA.	+	H.I.	-	ELEV.
		33.68 33.67		
T.P.	6.31	33.58 33.67	6.41	27.61 27.26
T.P.	1.16	33.17 33.15	1.58	32.00 31.99
T.P.	1.67	33.36 33.30	1.52	31.65 31.63

32

1/30/02
SAME CORN

STA. 658+00

N.G. 19.0 14.6 12.0	BRN 14.7 14.5 10.2	TOE 20.0 13.6 9.0	E 20.0 7.6 58.0	CROWN 30.5 3.1 28	E 31.1 2.5 12	CROWN 30.8 2.8 0
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STA. 656+00

N.G. 18.8 14.4 12.5	N.G. 16.2 14.0 10.0	TOE 20.6 12.6 7.0	E 15.2 7.0 57.0	CROWN 30.3 2.7 27	E 31.7 2.1 14	CROWN 31.0 2.2 0
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1/30/84
SAME CREW

STA.	+	H.I.	-	ELEV.
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		33.32		
		33.30		

T.P.	2.57	33.70	2.19	31.13
		33.68		31.11

T.P.	3.55	35.34	1.91	31.74
		35.32		31.77

STA. 654+00

N.G.	TOP	BREAK	E	CROWN	E	CROWN
17.1	19.8	22.5	7.3	31.4	31.4	31.1
14.2	13.5	10.8	13.3	2.2	1.9	2.2
<u>125</u>	<u>100</u>	<u>74</u>	<u>55.0</u>	<u>28</u>	<u>14</u>	<u>0</u>

STA. 652+00

N.G.	BREAK	TOP	E	CROWN	E	CROWN
18.7	17.4	21.7	29.3	31.0	31.7	31.6
15.0	14.3	12.0	9.4	2.7	2.0	2.1
<u>123</u>	<u>98</u>	<u>70</u>	<u>54.5</u>	<u>24</u>	<u>12</u>	<u>0</u>

STA.	+	H.I.	-	ELEV.
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35.34
35.32

T.P.	2.83	34.27 34.75	3.90	31.44 31.42
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T.P.	2.27	33.20 33.18	3.34	30.43 30.91
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34

1/30/04
same crew

STA. 650+00

GRADE	TOE	AREAL	F	DOWN	E	DOWN
5.00	19.0	11.5	26.0	31.1	31.3	30.9
18.7	15.2	12.8	9.3	4.2	4.0	4.4
115.0	96	84	54.5	28	14	0

STA. 648+00

GRADE	TOE	AREAL	F	DOWN	E	DOWN
18.4	19.5	20.3	22.7	25.1	30.6	31.3
15.7	15.8	14.0	11.6	27	3.7	3.0
132	125	100	75	51.0	26	13
						0

1/30/02
SAME COEN

STA. + H.I. - ELEV.

33.20
22.18

T.P.

1.07

32.54
32.52

1.73

31.41
31.45

STA. 646+00

H.I.	BACK	TOP	CRANK	E.	CRANK
18.2	19.9	20.7	30.4	51.0	30.6
5.0	14.3	12.5	2.8	2.2	2.6
72.5	75	78	24	12	0

STA. 644+00

H.I.	BACK	CRANK	TOP	CRANK	E.	CRANK
18.2	19.9	19.9	24.70	22.9	30.6	30.3
14.3	13.6	12.6	8.44	7.7	1.9	2.2
72.5	75	53.5	53.0	52.5	21	12

T.P.

4.75

35.58
35.55

1.72

30.86
30.80

STA.	+	H.I.	-	ELEV.
		35.58 35.55		
BM * B	8.09	38.21 ✓	5.46	30.12 30.09 (30.12)
642+21			6.38	31.2
641+92			6.02	32.19
641+16			4.09	34.12
640+88			3.78	34.43
639+97			5.49	32.72
639+29			5.80	32.41
T.P.	4.12	35.00 ✓	7.33	30.88

36
1/34/22
SME CAEN

✓ STA. 643+00

BM	TS	AS	BOAC	TE	CLAW	E	CLAW
641	17.22	17.4	18.9	20.5	22.5	30.5	(35.0)
7077	18.36	18.2	16.9	15.1	7.1	5.1	5.6
642	14.20	12.5	10.0	8.1	13	13	0

31.0

I-10 EAST
I-10 EAST
I-610 EAST
I-610 EAST
I-10 WEST
I-10 WEST

1/31/64

STA. + H.I. - ELEV.

35.00

CLEAR-CO2
 MORTON ID
 GARD
 SMITH P
 MARSHALL P

✓ STA. 630+31

NG	NG	ICE	ICE	ICE	CRAN	E	CRAN
18.3	18.3	18.7	18.2	18.9	29.8	29.9	29.5
16.7	16.7	16.1	15.6	11.1	52	51	55
125	100	69	62	48	24	14	0

T.P.

2.66

33.45
~~33.42~~ ✓

4.22

30.78 ✓

✓ STA. 636+00

18.2

NG	NG	ICE	E	CRAN	E	CRAN
17.3	17.3	16.2	22.0	30.1	30.5	30.4
16.2	16.2	15.3	11.5	34	30	3.1
125	100	72	40	11	5	0

T.P.

1.42

32.57
~~32.53~~ ✓

2.33

31.1 ✓

1/31/08
SAME CREW

STA. + H.I. - ELEV.

32.50
32.53T.P. 4.23 32.39
32.37 4.39 29.15
28.14T.P. 4.13 32.42
32.40 4.10 28.29
28.27

✓ STA. 634+00

NO.	E	TC	DOWN	E	DOWN	TP
18.5	18.7	19.0	27.0	27.5	27.2	30.65
18.2	13.8	13.5	5.5	5.0	5.3	7.87
81.5	56.5	48.0	13.0	8.0	21	0

STA. 632+00 ✓

ELEV.	NO.	E	TC	DOWN	E	DOWN	TP
16.7	16.3	16.7	18.3	27.4	27.8	27.5	30.59
15.67	16.1	15.7	14.1	5.0	4.6	4.9	1.80
88.5	62.0	58.0	42.0	12.0	8.0	2.1	0

1/31/84
SAME CREW

STA	+	H.I.	-	ELEV
		32.95 32.85		
626+23			4.10	29.75
625+83			3.56	29.29
625+63			3.56	29.69
625+23			4.24	28.61
T.P. 624+7	1.12	33.50 33.27	0.68	32.11 32.15
624+7	3.65	32.89 ✓	4.06	29.74 29.21

✓ VERTS QLV. EAST BOUND
 ✓ " " " " "
 ✓ " " WEST
 ✓ " " " "

STA 624+27 ✓

N.G.	F	TRE	CROWN	CROWN	TOP WALL
17.5	17.9	19.8	27.6	27.6	30.36
156	150	151	53	53	2.52
80	550	350	80	21	0

T.P.	4.94	32.95 ✓	4.08	28.01 ✓
------	------	---------	------	---------

STA.	+	H.I.	-	ELEV.
		32.63 32.62		
T.P.	4.80	32.61 32.59	4.83	27.80 27.79
T.P.	5.19	32.98 32.96	4.82	27.74 27.77

42

2/1/84
SAME CREW

STA. 618+00 ✓

NG.	TSE	F	BANK	BREAK	CROWN	CROWN	WALL
15.6	16.0	16.7	17.6	20.0	21.7	27.4	30.36
17.0	16.6	15.9	15.0	12.6	5.9	5.2	2.27
92	57.0	53.0	61.0	35.0	12.0	2.1	0

STA. 616+00 ✓

NG.	TSE	F	BANK	BREAK	CROWN	CROWN	WALL
15.6	16.7	15.5	19.2	21.5	21.1	21.2	30.22
17.0	16.5	14.1	13.4	14.1	5.5	5.2	2.39
92	67.0	53.0	43.0	30.0	12.0	2.1	0

2/1/82
SAME CAL.

STA.	+	N.I.	-	ELEV.
		32.98 32.96		
T.P.	5.00	33.10 33.08	4.88	28.10 28.08
T.P.	4.98	33.19 33.17	4.89	28.21 28.19

STA 614+00 ✓

N.G.	TBE	FRANK	CRUM	CRUM	TOP WALL
17.0 10.0 <u>8.0</u>	11.8 15.2 <u>55.0</u>	18.4 14.7 <u>52.5</u>	20.1 12.9 <u>33.0</u>	27.6 5.4 <u>12.0</u>	27.6 5.4 <u>2.1</u>
					30.47 <u>2.51</u> 0

STA 612+00 ✓

N.G.	TBE	FRANK	CRUM	CRUM	TOP WALL
17.1 16.0 <u>7.0</u>	18.6 14.5 <u>45.0</u>	20.6 12.5 <u>32.0</u>	27.7 5.4 <u>12.0</u>	27.7 5.4 <u>2.1</u>	30.45 <u>2.45</u> 0

2/1/EA
SAME CREW

STA.	+	H.I.	-	ELEV.
------	---	------	---	-------

		33.14		
		33.17		

STA. 610+00 ✓

N.G. CROWN	N.G. NO. 2	TOP E	BREAK	CROWN	CROWN	TOP WALL
17.0	11.2	15.2	19.5	27.7	27.8	30.47
<u>16.2</u>	<u>10.0</u>	<u>15.0</u>	<u>13.7</u>	<u>5.5</u>	<u>5.4</u>	<u>2.72</u>
81.0	55.0	46.5	34.0	12.0	2.1	0

T.P.	4.91	32.44	5.17	28.02
		32.91		28.00

STA. 608+00 ✓

N.G.	TOP E	BREAK	CROWN	CROWN	TOP WALL
17.7	17.4	13.4	21.6	21.7	30.51
<u>15.7</u>	<u>15.5</u>	<u>14.5</u>	<u>5.3</u>	<u>5.2</u>	<u>2.43</u>
71	46.5	36.0	11.0	2.1	0

T.P.	2.19	32.71	2.42	30.52
		32.65		30.47

STA.

+

H.I.

-

ELEV.

32.71
~~32.68~~

T.P.

2.50

32.98
32.84

2.34

30.37
30.34

45
2/1/84
SAME CREW

STA. 606+00 ✓

NG	TOE ?	BACK	CRUN	CRUN	TOP WALL
16.5	16.3	17.6	26.9	27.3	30.48
16.2	15.9	15.1	58	54	2.23
70	45.0	34.0	120	2.1	0

STA. 604+00 ✓

NG	TOE ?	BACK	CRUN	CRUN	TOP WALL
15.9	16.0	15.0	27.1	27.8	30.38
17.0	16.1	12.9	58	51.8	2.50
66	41.0	34.0	100	2.1	0
-4.58	-3.0	-2.4			

STA. 602+00 ✓

NG	TOE	BACK	CRUN	CRUN	TOP WALL
17.5	16.3	17.4	27.5	27.8	30.34
15.1	14.2	12.0	54	54	2.54
45.0	32.0	74.0	2.1		0

2/1/81
SMC CREW

STA.	+	N.I.	-	ELEV.
		32.89 32.84		
T.P.	5.05	32.88 32.84	5.05	27.83 27.79

STA. 600+00 ✓

N.G.P	FE	BREAK	CROWN	CROWN	TOP WALL
16.4	17.0	17.5	2.9	27.6	30.32
16.3	15.9	15.1	2.0	5.3	2.56
69	44.0	35.0	100	2.1	0
-3.83	-3.43	-2.63	6.47		
69	44	35	10		

STA. 598+00 ✓

N.G.P	FE	TOP	CROWN	CROWN	TOP WALL
17.0	17.1	16.8	2.1	27.6	30.29
15.9	15.8	16.1	5.1	5.3	2.57
43	42.8	40.0	8.0	2.1	0

		32.73		29.26
T.P.	4.47	32.69	4.62	28.22

2/1/87
SAME CREW

STA.	+	H.I.	-	ELEV.
------	---	------	---	-------

		32.61		
		32.56		

STA. 592+00

N.G.?	IRE	CRWN	CRWN	TOP WALL
16.2	19.1	24.3	21.4	30.24
16.0	14.5	5.5	3.2	2.37
<u>57</u>	<u>32.0</u>	<u>7.0</u>	<u>2.1</u>	<u>0</u>

STA. 590+00

N.G.	IRE	TOPS	CRWN	CRWN	TOP WALL
17.8	17.9	19.2	27.0	27.4	30.14
15.3	14.3	13.4	3.6	3.2	2.47
<u>61</u>	<u>36.5</u>	<u>23.0</u>	<u>9.0</u>	<u>2.1</u>	<u>0</u>

T.P.	4.93	32.69	4.86	27.15
		32.63		27.70

2/1/24
SAME CREW

STA.

+

H.I.

-

ELEV.

32.68
32.63

STA. 580400 ✓

INSTR	THE	GROUND	CONCRETE	TOP WALL
17.6	18.0	27.3	27.5	30.21
17.7	18.0	27.3	27.5	30.21
150	147	54	52	2.89
60	350	80	21	0
-2.73	-2.43			

STA. 580600 ✓

INSTR	THE	GROUND	CONCRETE	TOP WALL
17.6	18.0	27.1	27.5	30.11
17.3	18.0	27.1	27.5	30.11
152	147	56	52	2.55
61	345	80	21	0
-2.93	-2.43			

T.P.

4.50

32.17
32.11

5.02

27.67
27.64

STA.

+

H.I.

-

ELEV.

32.17
~~32.11~~

T.P.

4.97

32.70
~~32.63~~

4.45

27.72
~~27.66~~

SC

2/1/89
SAME CREW

STA. 584+00

TOE	TOE	CROWN	CROWN	WALL	TOP
14.9	17.9	26.8	27.5	30.05	
<u>17.6</u>	<u>14.3</u>	<u>5.7</u>	<u>4.7</u>	<u>2.12</u>	
39	34.0	10.0	2.1	0	
-2.83	-2.53				

STA. 582+00

TOE	TOE	CROWN	CROWN	WALL	TOP
14.9	15.9	26.4	27.3	30.10	
<u>17.6</u>	<u>13.5</u>	<u>5.3</u>	<u>4.9</u>	<u>2.07</u>	
41.0	36.0	10.0	2.1	0	
-2.83	-1.53				

2/1/84
SAME CREW

STA.	+	H.I.	-	ELEV.
------	---	------	---	-------

		32.70		
		32.63		

STA. 580+00 ✓

NG?	TOE	ℓ	CROWN	CROWN	TOP WALL
19.10	17.5	19.7	26.6	27.4	30.15
<u>16.0</u>	<u>15.2</u>	<u>13.0</u>	<u>6.1</u>	<u>5.3</u>	<u>2.55</u>
44	39.0	31.5	11.0	2.1	0
	-3.73	-2.93			

✓ STA. 578+00 ✓

NG?	TOE	ℓ	CROWN	CROWN	TOP WALL
16.9	17.7	20.7	26.8	27.3	30.15
<u>15.8</u>	<u>15.0</u>	<u>12.0</u>	<u>5.9</u>	<u>5.4</u>	<u>2.53</u>
48	43.0	30.5	11.0	2.1	0
	-3.53	-2.73			

T.P.	4.82	32.31	5.21	27.49
		32.24		27.42

STA.

+

H.I.

-

ELEV.

2/1/84
SAME CREW

32.31
~~32.24~~

STA. 576+00

INSTR	TOE	FE	GROUND	CREW	TOP WALL
16.44	17.2	20.5	26.5	27.0	29.78
15.87	15.1	11.8	5.8	5.3	2.33
475	42.0	325	110	21	0
-3.99	-3.23				

T.P.

5.19

32.63
~~32.56~~

4.87

27.44
~~27.37~~

STA. 574+00

INSTR	TOE	GROUND	CREW	TOP WALL
16.6	17.7	21.7	27.3	30.28
16.0	14.9	5.6	5.3	2.35
67	42.0	100	21	0
-3.83	-2.73			

2/1/04
SAME CREW

STA.

+

H.I.

-

ELEV.

32.63
~~32.56~~

✓ STA. 572+00

NG.	TRE	CRWN	CRWN	TOP WALL
18.3	9.1	27.0	27.3	30.33
<u>13.3</u>	<u>13.5</u>	<u>5.6</u>	<u>5.3</u>	<u>2.30</u>
70	45.0	12.0	2.1	0
-1.63				

T.P.

2.25

32.62
32.54

2.27

30.36
~~30.29~~

✓ STA. 570+00

NG.	TRE	FE	CRWN	CRWN	TOP WALL
18.3	13.5	24.2	27.5	27.4	30.33
<u>14.3</u>	<u>14.1</u>	<u>8.4</u>	<u>5.1</u>	<u>5.2</u>	<u>2.25</u>
70	45.0	24.0	10.0	2.1	0
-1.63					

524-1322

STA.

+

H.I.

-

ELEV.

32.62
~~32.54~~

5A

2/1/04
SAME CREW

STA 560+00 ✓

N.G.	TOP	F.	CROWN	CROWN	TOP WALL
17.3	19.4	23.7	27.3	27.3	30.36
14.2	14.2	21.9	5.5	5.3	2.26
68	43.0	23.5	11.0	2.1	0

-3.63

STA. 566+00 ✓

N.G.	TOP	F.	CROWN	CROWN	TOP WALL
18.2	19.4	24.7	27.1	27.3	30.24
14.1	13.2	17.9	5.5	5.3	2.44
63	39.0	21.0	12.0	2.1	0

-1.93

T.P.

5.26

32.68
~~32.60~~

520

27.4-
~~27.34~~

2/1/04
SAME CREW

STA.	+	H.I.	-	ELEV.
		53.07 32.98		
T.P.	2.42	32.67 32.58	2.82	30.25 30.16
T.P.	4.55	26.15 36.08	1.05	31.62 31.53
T.P.	1.48	25.10 26.80	11.76	24.42 24.32
BM #3			5.54	20.37 20.26

STA. 556+00

NO. ?	TDE	CROWN	CROWN	TOP WALL
16.5	15.1	27.6	27.5	30.25
16.3	15.0	5.9	5.6	2.82
64	39.0	11.0	2.1	0

16.8
- 3.63

STA. 553+70

NO.	TDE	CROWN	CROWN	TOP WALL
18.3	15.9	27.0	27.5	30.27
14.4	13.0	5.7	5.2	2.70
60	35.0	9.0	2.1	0

20.37

10-4-84

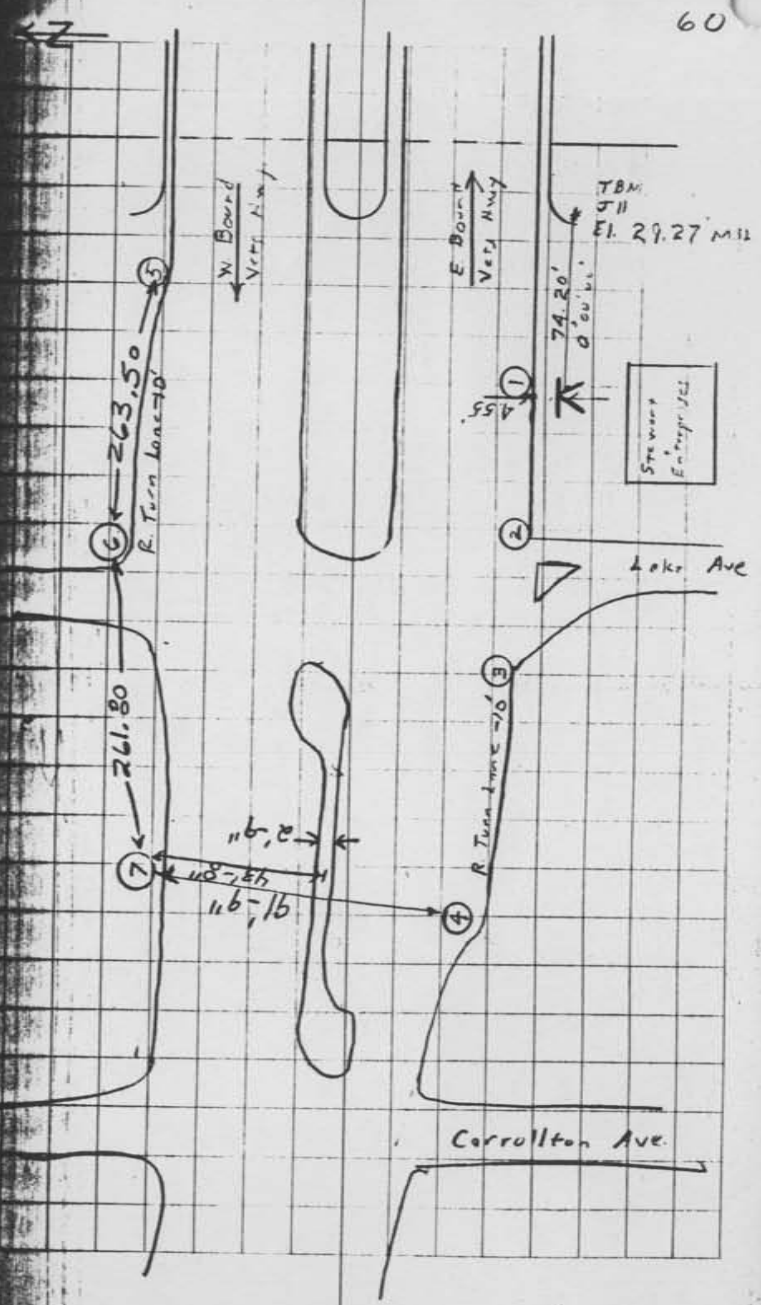
J. Arnold

C. Doyle

D. Hoffmann

Pt #	∠	Dist	
TBM #11	0° 00' 00"		Note: All angles c curb line
①	94° 36' 20"		} Dist measured from instrument
②	173° 21' 40"	186.85'	
③	170° 27' 40"	330.90'	
④	165° 41' 20"	489.75'	
⑤	55° 31' 00"		
⑥	142° 41' 40"		
⑦	154° 54' 20"		

STO	BS	HJ	FS	EL
TBM #11	2.22	31.49		29.27'
1			2.84	28.63'
2			7.90	23.59
3			9.87	21.62
4			10.50	20.99
5			13.32 3.80	28.29
6			10.46	21.03
7			13.32	18.07



C. DOYLE
D. HOFFMAN

7-20-84

58

VETERANS HWY

18" CURB

7'2" SLAB

12" SLAB & HAUNCH

143

KINK IN WALL 25' N. OF

HUB # 5

3° 41' 20"

18° 20' 20"

3-3-117

3° 41' 20"

21-34-40

SIDE LEUÉE MEETS 31' N. OF

HUB # 6

668.00

89.00

64.32

21-34-40
21-34-40
19-34-40
21-34-40
21-34-40
21-34-40
21-34-40
21-34-40
21-34-40
21-34-40

NI

24.62

667.59

68.

372.33

70.8

119

2.62

13.5

200

KINK IN WALL 36' S. OF

HUB # 8

152.4

136.32

341.95

63.08

12.73

8+60

22.22

52.11

26.41

640+12.4

1.67

28.13

51

552

38.44

35.11