1372
TORREY PINES
West cliff Rt.

LEVEL BOOK

3M BP EndCub Torrey Pines Grade
30.50

MICROFILMED
DEC 23 1964
57 5876

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No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

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X Sec. Torrey Pines East Grade 444+ to 449+ Jan. 22-1931 14 to 18

Jan. Estimate Jan 27-31 421-424+50 19-21

" " " 426+50 433+60 22-25

March 26-1931.

425+ to 434- 30-33

April - 29th 1931 39-41

415 to 420

May 8-1931

461 to 433 - 444+20 42-51

444+20 May 15-1931 433+50 54-64

Cross Section Torrey Pines
Sta. 66+50 to 50+0

Plotted
H. 12-17-29

11-27-29
Sisson
Hughes
Norberg
Ramon

1

BM	11.92	42.42	30.50	B.P.E. to 6 Torrey Pines Grade	
		66+50			
100' E of ℄		19.9	22.5	Ground 30.50	
50' E of ℄		23.9	18.5	30.72 H.	
25' E		26.5	15.9	22.84 TP	
℄		28.2	14.2		
11' W		28.7	13.7		
35' W		29.5	12.9		
50' W		40.8	1.6		
		66+20			
50' W of ℄		41.0	1.4		
35' W		39.5	2.9		
29' W		34.4	8.0		
℄		28.2	14.2		
25' E		26.3	16.1		
50' E		24.5	17.9		
100' E		20.3	22.1		
		66+0			
100' E		6.2	36.2		
75' E		18.7	23.7		
50' E		25.8	16.6		
25' E		30.9	11.5		
14' E		27.8	14.6		
℄		28.3	14.1		
24' W		29.6	12.8		

42.42

35' W			40.0	2.4
50' W			40.9	1.5
		65+80		
50' W			41.0	1.4
25' W			39.5	2.9
℄			37.0	5.4
16' E			31.5	10.9
28' E			26.0	16.4
40' E			25.2	17.2
56' E			25.9	16.5
TP	12.49	54.58	0.33	42.09
75' E			5.5	49.1
100' E			0.4	54.2
		65+65		
100' E			8.5	63.1 c
83' E			1.1	53.5 c
68' E			10.3	44.3 c
50' E			16.7	37.9 c
39' E			36.6	18.0
℄			38.6	16.0
8' W			39.1	15.5
20' W			49.1	5.5
50' W			52.7	1.9
		65+50		
50' W			52.3	2.4
34' W			51.8	2.8

		54.58				66.65			
21'W			37.6	17.0	13'W			48.8	17.9
℄			38.4	16.2	9'W			40.2	26.5
26'E			37.8	16.8	℄			37.1	29.6
31'E			26.5	28.1	16'E			33.0	33.7
45'E			19.5	35.1	29'E			26.2	40.5
65'E			10.3	44.3	50'E			12.9	53.8
83'E			0.2	54.4	76'E			0.3	66.4
100'E			+11.5	66.1	TP	12.55	78.89	0.31	66.34
TP	12.26	66.65	0.19	54.39	TP	12.80	91.53	0.16	78.73
		65+15			100'E			2.0	89.5
100'E			+15.2	81.9	TP	12.78	104.27	0.04	91.49
89'E			+7.8	74.5			64+50		
74'E			0.0	66.7	100'E			+4.7	109.0
61'E			8.3	58.4	85'E			6.5	97.8
50'E			17.4	49.3	70'E			17.4	86.9
36'E			24.2	42.5	45'E			36.3	68.0
20'E			31.5	35.2	28'E			51.0	53.3
℄			41.6	25.1	℄			68.5	35.8
5'W			48.9	17.8	28'W			82.7	21.6
28'W			49.9	16.8	38'W			93.9	10.4
40'W			53.4	3.3	41'W			100.3	4.0
50'W			54.5	2.2	50'W			101.3	3.0
		65+0					64+0		
50'W			54.6	2.1	75'W			103.3	1.0
40'W			53.7	3.0	50'W			101.2	3.1
30'W			49.0	17.7	40'W			94.2	10.1

10427

28'W	80.6	23.7	
℄	62.6	41.7	
28'E	44.8	59.5	
45'E	33.0	71.3	
75'E	10.5	93.8	
100'E	+8.5	112.8	
63+50			
100'E	+11.6	115.9	
75'E	6.2	98.1	
50'E	28.3	81.0	
28'E	44.8	59.5	
℄	60.1	44.2	
28'W	76.6	27.7	
34'W	84.4	17.9	
43'W	100.2	4.1	
50'W	101.8	2.5	
75'W	103.5	0.8	
63+0			33.35
75'W	103.2	1.1	
45'W	101.1	3.2	
30'W	93.9	20.4	
28'W	77.6	26.7	
℄	56.7	47.6	
28'E	40.1	64.2	
45E	24.7	79.6	
75E	1.0	103.3	

10427

75'E	+18.5	122.8	
PT	12.60	115.74	1.13	108.14
62+50			
68'E	22.1	93.6	
50'E	35.2	80.5	
28'E	54.6	61.1	
℄	73.7	42.0	
28'W	87.4	28.3	
50'W	112.2	3.5	
75'W	114.4	1.3	
62+0			
75'W	114.2	1.5	
60'W	113.3	2.4	
50'W	108.9	6.8	
28'W	90.9	24.8	
℄	71.2	44.5	
15'E	51.1	64.6	
28'E	46.6	69.1	
54'E	30.5	85.3	
61+50			
3'E	32.0	83.7	
28'E	38.1	77.6	
℄	54.8	60.9	
28'W	77.2	38.5	
40'W	95.2	20.5	
50'W	112.8	2.9	

		11+74			
95'W			112.4	1.3	
		61+0			
75'W			114.3	1.4	TP 58.55 Rev Levels 10 ft.
62'W			112.8	2.9	
44'W			96.0	20.7	
28'W			74.2	41.5	
℄			54.5	61.2	TP 21.77 Transit
28'E			38.0	82.7	
27'E			30.0	85.7	
TP			12.10	103.14	
BM	3.86	62+41		58.55	Dog 60+85
		60+50			
13'E			+12.7	85.1	
℄			+3.1	65.5	
23'W			19.6	42.8	
55'W			45.0	17.4	
66'W			59.4	2.8	
75'W			60.6	1.8	
		60+0			
75'W			59.8	2.6	
70'W			58.0	4.4	
50'W			41.6	20.8	
23'W			19.6	42.8	
℄			+1.0	63.4	
BM			4.72	57.69	00 Dog 59+80 2'W

Cross Section
East of ℄ 63+0 to

BM	12.56	115.70		103.14
TP	13.04	128.55	0.19	115.51
	63+0			
100' E of ℄			6.2	122.4
TP	12.77	140.78	0.52	128.01
TP	12.57	153.14	0.21	140.57
TP	12.70	165.57	0.27	152.87
TP	12.52	177.76	0.33	165.24
	62+50			
100' E of ℄			35.2	42.6
	62+0			
100' E of ℄			23.7	154.1
85' E " "			25.5	142.3
	61+50			
115' E of ℄			0.6	177.2
100' E "			8.0	169.8
75' E "			24.5	153.3
59' E "			38.0	139.8
TP	11.72	189.37	0.11	177.65
	61+0			
120' E of ℄			+10.0	199.4
100' E "			4	185.3
75' E "			22.9	166.5
15' E "			46.5	142.9
	60+50			

From
115.44
2.09
117.53
155.50
6.17
160.67 W

= 41.95 Cr

189.37

35' E of ℄			49.6	139.8
50' E " "			38.1	151.3
75' E " "			19.8	169.6
100' E " "			+1.5	190.9
115' E " "			+12.0	202.4
	60+0			
125' E of ℄			+12.7	202.1
100 " "			+4.7	194.1
75' E " "			10.0	179.4
50' E " "			31.2	158.2
27' E " "			48.2	141.2
	59+75			
17' E of ℄			52.9	136.5
37' E " "			42.2	147.2
56' E " "			34.3	155.1
87' E " "			+0.8	190.2
100' E " "			+4.0	193.4
125' E " "			+11.0	200.4
TP	12.88	200.72 W	1.53	187.84 W
	59+50			
125' E			+4.8	205.5
100' E			+0.8	201.5
82' E			7.4	193.3
63' E			26.6	174.1
50' E			34.7	166.0
38' E			44.1	156.6

Pcg 59+75
87' E of ℄

200.72

25 E of ℄		5.42	146.5		
10 E " "		6.33	137.4		
	59+0				
℄		6.43	136.4		
25 E of ℄		4.63	154.4		
50 E " "		2.68	173.9		
75 E " "		6.6	194.1		
TP	11.87	212.19	0.40	200.32	
88 E of ℄			5.4	206.8	
100 E " "			0.2	212.0	
125 E " "			6.4	218.6	
BM	1.50	213.49	0.20	211.99	
	58+50				
125 E of ℄			7.0	220.5	
100 E " "			0.0	213.5	
84 E " "			4.9	208.6	
66 E " "			19.4	194.1	
50 E " "			28.2	185.3	
25 E " "			50.2	163.3	
℄			68.4	145.1	
5 N of ℄			71.6	141.9	
	58+0				
10 N of ℄			73.8	139.7	
℄			65.1	148.3	
25 E of ℄			47.4	166.1	
50 E " "			27.3	186.2	

Trans. to H.L.H. 1.97 [illegible] Reg. 59.93 5.59 25.24 164.26

Reg. 100 E of ℄ 59+0

Gr. 59.35

213.49

66 E of ℄			17.7	195.8	
75 E " "			6.8	207.3	
100 E " "			5.0	212.5	
125 E " "			6.8	206.7	
	57+50				
125 E of ℄			7.6	205.9	
100 E " "			0.8	212.7	
80 E " "			4.2	209.3	
70 E " "			8.1	205.4	
50 E " "			28.8	184.7	
25 E " "			48.2	164.9	
℄			68.5	145.0	
11 N of ℄			76.3	137.3	
	57+0				
9 N of ℄			74.6	138.9	
℄			67.5	146.0	
25 E of ℄			47.2	166.3	
50 E " "			25.8	187.7	
66 E " "			10.8	202.7	
90 E " "			4.4	209.1	
100 E " "			1.1	212.4	
125 E " "			5.3	218.8	
	56+50				
125 E			2.8	216.2	
100 E			3.8	209.7	
84 E			8.9	204.6	

213.49

59'E of ℄		16.3	197.3
TP	1.64	206.19	8.94	204.55
43'E of ℄			22.1	184.1
23'E " "			26.8	169.4
℄			55.5	150.7
13'N of ℄			65.0	141.2
		5640		
18' N of ℄			67.8	138.4
℄			55.1	150.8
23'E of ℄			38.0	168.2
35'E " "			26.0	180.2
44'E " "			14.3	191.9
50'E " on RR Hub			12.93	193.26
75'E "			6.2	200.0
100'E "			+0.7	206.9
125'E "			+7.2	213.4
		5515.0		
125'E of ℄			+5.4	211.6
100'E "			1.6	204.6
75'E "			7.1	199.1
56'E "			13.0	193.2
28'E "			19.6	187.0
13'E " "			25.3	181.9
13'E " "			40.9	166.3
℄			50.4	155.8
28'N of ℄			66.0	140.2

Page 56745
86'E of ℄

Transit
164.24 HI.
-.55
164.21
-.27 BS on ℄ 5640
163.94
164.09 HI.

206.19

5540			
45'N of ℄		70.0	136.2
31'N " "		57.4	148.8
23'N " "		52.8	153.4
℄		38.0	168.2
20'E of ℄		19.7	186.5
28'E " "		19.3	186.9
50'E " "		13.0	193.2
75'E " "		7.8	198.4
100'E "		2.2	204.0
125'E " "		+3.5	209.7
	5475		
125'E of ℄		+3.8	210.0
100'E		2.1	204.1
75'E		7.2	199.0
56'E		12.5	193.7
29'E		17.3	188.9
28'E		24.1	182.1
20'E		30.7	175.5
7'E		32.8	173.4
℄		37.5	168.9
28'N of ℄		45.5	161.4
39'N		53.0	153.2
50'N: Top Cl'N		69.6	136.6
	5150		
50'N: Top Cl'N		69.2	137.0

Transit
164.09 HI.
1.6
162.93 = BS on ℄ 5640
162.15
3.3
158.9

7

		206.19			
36' N of ℄			56.7	149.5	
23' N " "			50.1	155.6	
8' N " "			42.6	163.6	
℄			42.3	163.9	
18 E of ℄			40.3	165.9	
23 E " "			33.0	173.2	
30 E " "			15.8	190.4	
50 E " "			12.0	194.2	
75 E " "			6.6	199.6	
100 E " "			1.4	204.8	
125 E " "			+4.1	210.3	
TP	1.38	1998	7.89	198.30	
BM			7.48	192.40	
BM	0.13	205.18		204.55	
		5410			
125 E of ℄			+6.6	211.8	
100 E " "			+1.2	206.4	
75 E " "			4.2	201.0	
56 E " "			7.4	197.8	
41 E " "			29.5	175.7	
23 E " "			41.1	164.1	
℄			50.3	155.0	
9' N of ℄			51.0	154.2	
23' N " "			59.5	146.7	
49' N " " Top Ch.			69.8	135.4	
		5378			

		205.18			
49' N of ℄ Top Ch.			63.7	141.5	
23' N " "			49.4	155.8	
10' N " "			39.6	165.6	
℄			37.2	168.0	
23' E of ℄			36.2	169.0	
40 E " "			21.8	173.4	
63 E " "			5.6	199.6	
100 E " "			+1.8	207.0	
125 E " "			+7.0	212.2	
		5371.5			
125 E of ℄			+6.8	212.0	
100 E " "			+1.7	206.9	
75 E " "			3.8	201.4	
50 E " "			8.6	196.6	
40 E " "			12.6	192.6	
32 E " "			27.5	177.7	
23 E " "			33.4	171.8	
℄			46.7	158.5	
13' N of ℄			58.4	151.8	
23' N " "			48.9	156.3	
50' N " " Top Ch.			64.5	140.7	
		5370			
49' N of ℄ Top Ch.			66.8	138.4	
23' N " "			58.5	154.7	
℄			45.7	159.5	
23 E of ℄			18.2	187.0	

12-6-39

8

Transit
Rod

		20578			
50 E of ℄			11.6	193.6	
75 E "			6.2	199.0	
100 E "			1.6	203.6	
125 E "			2.0	206.2	
TP	0.90	198.09	12.98	192.19	Nail/Tack on road 52+75 = 584.07 192.13
		52+25			
100 E of ℄			1.6	191.5	
75 E "			2.7	190.4	
50 E "			2.3	190.8	
25 E "			7.7	185.4	Front 14.98 12.58 1.90 8.20 1.27 1.62 1.65 1.84 1.71 0.03 1.72 1.25 1.20 1.89 1.38 1.87 1.56 1.93 1.83 192.19 = Nail/Tack
13 E "			9.1	183.5	
℄			16.3	176.8	
11 W of ℄			37.1	156.0	
23 W "			40.4	152.7	
55 W " - Top Cl. ℄			56.1	137.0	
		52+35			
59 W of ℄ - Top Cl. ℄			57.1	136.0	
35 W "			43.3	149.8	
23 W "			35.1	158.0	
13 W "			20.3	172.8	
℄			11.0	177.1	
25 E of ℄			9.4	183.7	
50 E "			9.4	183.7	
75 E "			13.2	179.9	
TP	0.81	181.27	12.18	180.91	
		52+00			

		181.27			
75 E of ℄			12.5	168.8	
50 E "			8.0	173.3	
25 E "			8.9	172.4	
℄			8.4	172.9	
23 W of ℄			16.0	165.3	
30 W "			16.7	164.6	
70 W "			32.0	149.3	
66 W "			45.2	136.1	
		51+75			
85 W of ℄ - Top Cl. ℄			45.1	135.7	
51 W "			37.5	143.8	
37 W "			20.4	160.9	
23 W "			17.2	163.7	
TP	6.32	174.65	12.94	168.33	
℄			10.2	164.4	
23 E of ℄			14.3	160.3	
30 E "			8.7	165.9	
50 E "			15.2	159.4	
75 E "			18.0	156.6	
TP	0.89	162.87	12.7	161.98	
TP	0.21	150.88	12.10	150.27	
		51+50			
76 E of ℄			10.3	140.6	
50 E "			5.8	145.1	
28 E "			2.9	148.0	
℄			0.0	150.9	

		150.88							
23' N of ℄			-0.0	150.9					
29' N " "			+0.6	151.5					
36' N " "			5.8	156.7					
56' N " "	=Top Cliff		18.6	164.5					
TP	0.61	139.04	12.48	138.40					
	5+25								
60' N of ℄			9.2	129.8					
30' N " "			7.9	131.1					
23' N " "			4.7	134.3					
12' N " "			2.2	136.8					
℄			2.7	136.3					
18' E of ℄			3.5	135.5					
23' E " "			7.5	131.2					
37' E " "			7.1	131.9					
50' E " "			9.8	129.2					
64' E " "			12.3	126.7					
TP	1.59	128.42	12.18	126.82					
75' E of ℄			5.9	122.5					
100' E " "	=Bottom Gully		8.0	120.4					
	5+0								
100' E of ℄			+1.0	129.4					
75' E " "			9.5	118.9					
43' E " "			12.9	115.5					
57' E " "	=Bottom Gully		17.8	110.6					
49' E " "			11.2	117.0					
22' E " "			7.1	121.3					

		128.42							12-9-39
℄					5.4	123.0			
43' N of ℄					4.2	124.2			
30' N " "					4.6	123.8			
45' N " "					7.0	121.4			
58' N " "					12.3	116.2			
68' N " "	=Top Cliff				12.9	115.5			
TP	5.71	130.04			4.12	124.30			Off Station 5+20 30' N of ℄
TP	1.65	128.82			12.77	117.27			
	5+75								
56' N of ℄					12.6	106.6			
33' N " "					6.2	112.6			
23' N " "					3.5	111.3			
℄					11.1	103.7			
23' E of ℄ = Bottom Gully					17.0	101.8			
33' E " "					15.1	103.7			
55' E " "					11.4	117.4			
70' E " "					4.8	125.6			
	5+50								
70' E of ℄					4.12	130.0			
50' E " "					4.5	123.3			
29' E " "					8.9	109.9			
TP	1.27	130.04			1.55	117.27			
℄					31.1	98.9			
9' N of ℄ = Bottom Gully					37.8	92.2			
19' N " "					31.6	98.4			
32' N " "					29.1	100.9			

		130.04						142.52					
30' W of ℄			267	103.3		43' W of ℄			602	82.3			
39' W "			270	103.0		58' W "			623	79.2			
40' W "			302	99.8		65' W "			608	81.7			
62' W "	Top Cliff		399	90.1		TP	802	129.10	144	141.08	Pkg 50+0 35' W of ℄ 146.32		
	50+25					BM			371	145.39			
68' W of ℄	Top Cliff		490	81.0									
58 " "	Bottom Gulch		512	78.8									
41 " "			434	86.6	Front 1429 1885 1373 106.07 0.55 16.11								
38 " "	Bottom Gulch		418	83.2									
23 " "			410	89.0									
C " "			383	96.2									
℄			210	104.0									
11 E of ℄			229	107.1									
23 E " "			127	117.3									
TP	12.58	142.52	010	129.94									
50 E " "			75	135.0									
10 E " "			713	143.8									
	50+10												
60 E of ℄			493	151.8									
45 E " "			03	142.2									
10 E " "			88	133.7									
23 E " "			183	124.2									
℄			363	106.2									
10 W of ℄			385	104.0									
23 W " "			514	91.1									
21 W " "			535	89.0									

See Book 1374 Pg 17

Cross Section
West of ℄ 59+75 to 55+0

B M	1016	67.85		57.9	
		59+75 to 55+0			
3' W of ℄			+4.0	71.85	
16 W " "			10.0	57.9	
23 W " "			15.0	52.9	
35 W " "			25.3	42.6	
54 W " "			45.0	22.9	
71 W " "			64.2	3.7	
100 W " "			67.0	0.9	
		59+50			
100 W of ℄			66.8	1.1	
78 W " "			64.8	3.1	
55 W " "			45.1	22.3	
40 W " "			27.8	40.1	
23 W " "			12.3	55.6	
9 W " "			0.7	67.2	
		59+0			
17' W of ℄			1.1	66.8	
23 W " "			6.2	61.7	
35 W " "			15.3	52.6	
57 W " "			41.5	26.4	
65 W " "			49.5	18.4	
73 W " "			59.0	8.9	
83 W " "			65.1	2.3	
100 W " "			66.8	1.1	

Prof 59+80
20' W of ℄

Transit
57.69
1.64
59.33
1.87
61.46
+4.01
17.58 H

67.85

59+50

100 W of ℄			66.5	1.4	
80 W " "			64.3	3.6	
72 W " "			58.8	9.1	
68 W " "			50.9	17.0	
55 W " "			40.0	27.9	
35 W " "			18.0	54.9	
23 W " "			1.1	66.8	
21 W " "			0.0	67.9	
		58+0			
23 W of ℄			+2.1	70.0	
31 W " "			9.4	58.5	
48 W " "			21.5	46.4	
55 W " "			38.5	29.4	
63 W " "			47.5	20.4	
80 W " "			64.5	3.4	
100 W " "			66.5	1.4	
		57+50			
100 W of ℄			66.5	1.4	
85 W " "			65.3	2.7	
71 W " "			48.1	19.8	
63 W " "			42.7	25.2	
56 W " "			26.1	41.8	
46 W " "			16.4	51.5	
30 W " "			+1.5	69.4	
TP	2.17	68.52	2.00	65.85	

Transit
21.99
4.55
26.54

Prof 57+15
40' W of ℄

	68.52		
	57+0		
34' W of ℄		0.8	67.7
55' W " "		14.8	53.7
64 W		44.2	24.3
75 W		55.2	13.3
84' W		68	2.7
100' W		67.2	1.3
	56+50		
100' W of ℄		67.2	1.3
86' W " "		66.2	2.3
75' W " "		55.2	13.3
45' W " "		43.0	25.5
40' W " "		26.6	41.9
19' W " "		12.0	56.5
33' W " "		0.0	68.5
	56+0		
40' W of ℄		2.0	66.5
52' W " "		14.7	53.8
67' W " " Top of 2nd Cliff		27.7	40.8
	55+50		
46' W of ℄		43.0	71.5
55' W " "		12.5	56.0
74' W " "		32.5	36.0
	55+0		
77' W of ℄		26.2	42.3
40' W		11.9	56.6

	68.52		
	53 W of ℄		5.2

Torrey Pines East Grade "D" Line
Cross Section Cut 444+0 to

BM	0.41	129.41		129.00
	444+0			
℄			5.8	123.6
11' Lt			5.9	123.5
13' Lt			6.4	123.0
24' Lt			6.4	123.0
26' Lt			5.4	124.0
28' Lt			2.9	126.5
	444+20.36 BC PI			
29.5' Lt			2.0	127.4
27' Lt			6.9	122.5
24' Lt			7.7	121.7
13' Lt			7.8	121.6
10' Lt			6.4	123.0
℄			6.4	123.0
	444+40			
℄			7.1	122.3
9.5' Lt			7.0	122.4
10.0 Lt			8.8	120.6
20' Lt			8.8	120.6
26' Lt			6.6	122.8
31' Lt			2.0	127.4
	444+41			
24.5' Lt			2.6	126.8
26' Lt			6.6	122.8

12941

20' Lt		8.8	120.6
10 Lt		8.8	120.6
2.5' Lt		7.0	122.4
℄		7.1	122.3
	444+55		
℄		7.6	121.8
8' Lt		7.4	122.0
10 Lt		9.6	119.8
19' Lt		9.7	119.7
25 Lt		7.1	122.3
26.9' Lt		2.2	127.2
	444+62		
26' Lt		2.8	126.6
25' Lt		8.5	120.9
19' Lt		10.3	119.1
9' Lt		10.2	119.2
6' Lt		8.2	121.2
℄		8.2	121.2
	444+63		
℄		8.2	121.2
6' Lt		8.2	121.2
9' Lt		10.2	119.2
19' Lt		10.3	119.1
25' Lt		8.5	120.9
28 Lt		7.4	122.0
31' Lt		2.2	127.2

129.41

	444+75		
31.2 Lt		3.0	126.4
27 Lt		9.6	119.8
23 Lt		10.8	118.6
10 Lt		10.6	118.8
7.5 Lt		8.7	120.7
℄		9.0	120.4
	445+0		
℄		10.3	119.1
10 Lt		10.4	119.0
12.5 Lt		12.5	116.9
22 Lt		12.2	117.2
27 Lt		10.8	118.6
32 Lt		3.8	125.6
	445+25		
32.5 Lt		5.2	124.2
28 Lt		11.8	117.6
21.5 Lt		13.8	115.6
11 Lt		13.8	115.6
10 Lt		13.5	115.9
℄		13.6	115.8
	445+50		
27 Rt		11.1	113.3
25 Rt		11.0	113.4
10 Rt		11.5	112.9
℄		11.0	113.4

129.41

10 Lt		15.7	113.7
23 Lt		14.0	115.4
27 Lt		13.7	115.7
32 Lt		6.6	122.8
	445+75		
33.5 Lt		7.1	122.3
29 Lt		14.8	114.6
℄		18.0	111.4
10 Rt		17.6	111.8
21 Rt		17.5	111.9
26 Rt		16.4	113.0
	446+0		
35 Rt		17.1	112.3
25 Rt		18.6	110.8
10 Rt		19.3	110.1
℄		18.9	110.5
10 Lt		18.5	110.9
22 Lt		17.7	111.7
37 Lt		16.6	112.8
34 Lt		7.9	121.5
	446+25		
33.3 Lt		7.6	121.8
TP	0.79	12.92	116.49
27.5 Lt		5.8	111.5
20 Lt		7.6	109.7
℄		8.1	109.2

11728

24.5 Rt	7.5	109.8	
27.5 Rt	5.0	112.3	
440+50			
28.3 Rt	4.2	113.1	
25' Rt	9.0	108.3	
10' Rt	9.8	107.5	
℄	9.7	107.6	
10' Lt	9.4	107.9	
27' Lt	7.0	110.3	
33 Lt		122.0	
440+75			
33' Lt		123.0	
21.2 Lt	7.4	109.9	
20' Lt	10.0	107.3	
10' Lt	10.5	106.8	
℄	11.0	106.3	
10' Rt	11.3	106.0	
25' Rt	10.2	107.1	
29' Rt	4.0	113.3	
441+0			
30' Rt	4.1	113.2	
26' Rt	11.5	105.8	
10' Rt	12.9	104.4	
℄	12.3	105.0	
10' Lt	13.0	105.3	
19' Lt	11.0	106.3	

26' Lt	7.6	109.7	16
34' Lt		123.1	
441+09.97 Eq			
34' Lt		123.4	
21' Lt	7.5	109.8	
16' Lt	12.3	105.0	
10' Lt	12.6	104.7	
℄	13.1	104.2	
10' Rt	13.2	104.1	
26' Rt	11.8	105.6	
30' Rt	6.2	113.1	
441+20			
30.5 Rt	4.4	112.9	
21' Rt	12.3	105.0	
10' Rt	14.0	103.3	
℄	13.6	103.7	
10' Lt	13.2	104.1	
19' Lt	13.1	104.2	
35' Lt	9.4	107.9	
34' Lt		123.0	
440+25			
21' Lt		121.5	
23.5 Lt	12.7	104.6	
21' Lt	11.7	105.6	
10' Lt	13.6	103.7	
℄	13.9	103.4	

11-28-

10' Rt		14.7	102.6	
21' Rt		12.4	104.9	
30.3' Rt		4.3	113.0	
	447+43			
30.8' Rt		4.7	112.6	
21.5' Rt		13.5	103.8	
10' Rt		15.4	101.9	
℄		15.5	101.8	
10' Lt		15.2	102.1	
21.5 Lt		14.0	103.3	
25' Lt			121.0	
	447+45			
30.5' Lt			122.0	
21' Lt		11.6	105.7	
10' Lt		15.1	102.2	
℄		15.8	101.5	
19' Rt		15.4	101.9	
21.5' Rt		13.6	103.7	
30.8' Rt		4.8	112.5	
	447+50			
30.8' Rt		5.0	112.3	
26' Rt		14.5	102.8	
18' Rt		15.6	101.7	
℄		15.7	101.6	
17' Lt		15.4	101.9	
25.2 Lt		12.3	105.0	

11-28

30.5' Lt				121.8
TP	4.46	111.34	1040	106.88
	448+0			
33' Lt				130.7
25' Lt			86	102.7
17' Lt			11.8	99.5
℄			12.3	99.0
21' Rt			11.7	99.6
26' Rt			10.2	101.1
31.6 Rt				111.9
	448+50			
32.2' Rt			0.9	110.4
26' Rt			12.4	98.9
22' Rt			13.8	97.5
℄			14.5	96.8
15' Lt			14.2	97.1
26' Lt			10.8	100.5
Lt				
	449+0			
Lt				
21' Lt			13.4	97.9
15' Lt			14.8	94.5
℄			17.3	94.0
20' Rt			17.0	94.3
27' Rt			15.3	96.0
32.5 Rt			3.1	108.2

111.34

449+50 Sec* 1373

32.5' Rt		7.4	103.9 ✓	on Curb Rt 449+85
TP		9.43	101.91	

January Estimate
Cross Sections of Big Cut

421+0 to 424+50

BM	0.16	340.81		340.65	Hub
TP	0.13	328.35 ✓	12.59	328.22	Reduced by W.M.M. 1/2 8/31
		421+0			
50 Lt in Temp Road			7.1	321.3	
↓ " "			11.0	317.4	
↓ 25' Rt			12.0	316.4	
50' Rt			18.7	309.7	
		421+30			
76' Rt in Temp Road			17.4	311.0	
35' Rt " "			14.8	313.6	
↓ " "			11.6	316.8	
↓ 45 Lt			8.4	320.0	
	0.15	311.45 ✓	12.32	311.03	
		421+35			
42 Lt				329.0	
33' Lt			21.8	289.7	
↓			22.8	288.7	
↓ 15' Rt			22.6	288.9	
31' Rt			8.6	312.9	
91' Rt			12.6	308.9	
		421+50			
114' Rt			15.7	305.8	
61' Rt			11.5	310.0	
50' Rt			30.5	291.0	
30' Rt			36.0	285.5	

328.35

↓		316.48	31.2	285.3	
32.5 Lt			29.8	286.7	
42.8 Lt				329.4	
	422+0 BC.				
44' Lt				331.0	
33' Lt			30.2	286.3	
24' Lt			32.3	284.2	
↓			31.7	284.8	
50' Rt			30.4	286.1	
90' Rt			28.0	288.5	
105' Rt			40.2	276.3	
120 Rt			40.1	276.4	
154' Rt in Temp Road			17.3	299.2	
195 " "			21.5	295.0	
TP	0.80	304.86	12.42	304.06	
TP	0.72	293.35 ✓	12.23	292.63	
	422+25				
180 Rt			0.9	292.5	
171 Rt			13.5	279.9	
110 Rt			17.3	276.1	
75 Rt			17.3	276.1	
14 Rt			6.5	286.9	
↓			8.5	284.9	
28 Lt			9.0	284.4	
84 Lt			6.6	286.8	
142 Lt				330.2	

Jan. 27-31
Sisson
McClure
Mc Ilroy
Kinney

4+4.4

Transit

316.91	12.42	304.49
293.35	12.23	281.12
293.35		

293.35

422+50

44' Lt		329.4	
34' Lt	6.7	286.7	
27' Lt	9.2	284.2	
℄	9.1	284.3	
30' Rt	7.2	286.2	
57' Rt.	7.2	286.2	
70' Rt.	17.0	276.4	
110' Rt	16.6	276.8	
160' Rt	16.2	277.2	
182' Rt.	15.2	278.2	
187' Rt in Temp Road	3.6	289.8	
423+0			
200' Rt	14.1	279.3	
160' Rt	14.5	278.9	
130' Rt	18.7	274.7	
90' Rt	19.4	274.0	
40' Rt	22.5	270.9	
55' Rt	10.4	283.0	
℄	10.3	283.1	
28 Lt	9.7	283.7	
34' Lt	8.3	285.1	45.3
453' Lt		329.8	
423+40			
43.4 Lt		327.0	
33' Lt	9.8	283.6	

293.35

87 Lt			11.3	282.1
TP	4.84	288.47	11.72	281.63
℄			6.9	279.6
53' Rt			6.4	280.1
62' Rt			16.2	270.3
110' Rt			15.8	270.7
160' Rt			14.8	271.7
187' Rt			16.1	270.4
195' Rt = Temp Road			12.1	274.4
423+60				
190' Rt - Temp Road			17.6	268.9
146' Rt			21.0	265.5
126' Rt			10.5	276.0
120' Rt			16.0	270.5
80' Rt			16.7	269.8
62' Rt			7.4	279.1
26' Rt			5.6	280.9
℄			5.6	280.9
34' Lt			5.5	281.0
41.4 Lt				313.4
424+0				
353' Lt = End of Cut on Lt			2.4	284.1
℄			4.5	282.0
15' Rt			5.2	281.3
77' Rt			9.1	277.4
110' Rt			12.3	274.2

28647

118' Rt		26.7	259.8
140' Rt		27.0	259.5
160' Rt		25.0	261.5
195' Rt to Temp Road		26.0	260.5
	421+25		
190' Rt		29.3	257.2
160' Rt		27.8	258.7
135' Rt		26.5	260.0
125' Rt		11.5	275.0
100' Rt		14.7	271.8 ✓
50' Rt		15.7	270.8 ✓
20' Rt		13.5	273.0
9' Rt		6.3	280.2
℄		6.0	280.5
14' Lt		4.4	282.1
25' Lt		12.1	274.4
	421+50		
℄		10.3	276.2
10' Rt		6.7	279.8 ✓
35' Rt		13.5	273.0 ✓
60' Rt		16.0	270.5 ✓
75' Rt		10.9	275.6 ✓
100' Rt		11.7	274.8 ✓
120' Rt		12.0	274.5 ✓
140' Rt		10.6	276.5 ✓
150' Rt		16.8	269.7 ✓

January Estimate
Cross Section of 8.9 Fill
426+50 to 433+60

Reduced by M.M.M. 1/28/31

BM	12.97	178.49		165.52
TP	12.01	189.90	0.60	177.89
TP	12.75	202.21	0.44	189.46
TP	12.15	214.26	0.10	202.11
		426+50		
100' Rt			2.0	212.3
90' Rt in Temp Road			+2.5	216.8
60' Rt " "			3.7	210.6
33 Rt " "			1.0	208.3
24' Rt			+1.6	215.9
TP	0.74	202.17	12.83	201.43
	427+0 : Starting of Fill on Lt			
83' Rt			11.3	190.9
72' Rt			1.5	200.7
50' Rt			2.2	200.0
21' Rt			5.3	196.9
16' Rt in Temp Road			2.1	200.1
" " "			5.5	196.7
TP	0.32	189.80	12.69	189.48
40' Lt in Temp Road			0.3	189.5
90' Lt			5.8	184.0
105' Lt			11.2	178.6
125' Lt			14.8	175.0
	427+50			
135' Lt			21.8	168.0

Spt in Shoe Track

189.80

110' Lt			19.1	170.7
95' Lt			11.4	178.4
60' Lt			11.3	178.5
36' Lt			11.0	178.8
TP	9.73	187.64	9.89	179.91
"			3.8	183.8
50' Rt			0.5	187.1
82' Rt			0.9	186.7
99' Rt			9.2	178.4
	427+75			
100' Rt			10.2	177.4
90' Rt			7.4	180.2
50' Rt			6.5	181.1
"			9.0	178.6
30' Lt			10.5	177.1
60' Lt			11.6	176.0
95' Lt			10.8	176.8
TP	1.47	179.60	12.51	175.13
113' Lt			14.1	165.5
	428+0			
120' Lt			19.8	159.8
95' Lt			3.9	175.7
60' Lt			5.4	174.2
30' Lt			4.9	174.7
"			3.9	175.7
35' Rt			2.7	176.9

	179.6		
25' Rt		3.5	177.1
97' Rt		1.6	178.0
110' Rt		9.9	169.7
	428+50		
114' Rt		13.4	166.0
110' Rt		13.6	166.0
95 Rt		4.8	174.8
60' Rt		4.6	175.0
25 Rt		4.7	174.9
℄		5.5	174.1
30' Lt.		7.2	172.4
60' Lt.		8.0	171.6
94' Lt		5.9	173.7
121' Lt		24.1	155.5
	429+0		
120' Lt		27.0	152.6
92' Lt		8.6	171.0
50' Lt.		9.7	169.9
℄		9.0	170.6
40' Rt		7.5	172.1
70' Rt		7.8	171.8
94' Rt		6.7	172.9
111' Rt		16.3	163.3
114' Rt.		14.9	164.7 ✓
	429+50		
121.5 Rt		28.4	151.2

	179.6		
92' Rt		9.3	170.3
50' Rt.		9.2	170.4
℄		11.3	168.3
50' Lt.		12.0	167.6
90' Lt		9.6	170.0
TP	393 . 171.73 ✓	11.80	167.80
123' Lt.		23.8	147.9
	430+0		
119' Lt		23.2	148.5
87' Lt.		3.2	168.5
50' Lt		4.7	167.0
℄		4.4	167.3
50' Rt		3.8	167.9
70' Rt.		3.1	168.6
91' Rt.		2.9	168.8
125.5' Rt		21.3	145.4
	430+50		
133.5' Rt.		34.0	137.7 ✓
105' Rt		15.1	156.6 ✓
88' Rt		4.1	167.3
50' Rt		4.8	166.9
℄		5.0	166.7
40' Lt.		5.1	166.6
86' Lt		4.3	167.4 ✓
105' Lt.		17.8	153.9

17+73

	430+75		
10' Lt.		19.5	152.2 ✓
85' Lt.		5.9	165.8 ✓
50' Lt		5.5	166.2 ✓
℄		5.5	166.2
50' Rt		5.5	166.2
87' Rt		5.2	166.5 ✓
110' Rt		20.3	151.4 ✓
139' Rt		36.7	135.0 ✓
	431+0		
144.5' Rt		4.8	126.9 ✓
115' Rt		23.2	148.3
86' Rt		5.7	166.0
50' Rt		6.1	165.6 ✓
℄		6.2	165.5 ✓
50' Lt		6.0	165.7 ✓
82' Lt		6.9	164.8
1045 Lt.		20.7	151.0 ✓
	431+50		
95' Lt		16.8	154.9 ✓
80' Lt		7.1	164.6 ✓
50' Lt		6.7	165.0 ✓
℄		5.9	165.8 ✓
50' Rt		6.5	165.2 ✓
80' Rt		6.5	165.2
115' Rt		26.0	145.7 ✓

17+73

135' Rt		39.0	132.7 ✓
157' Rt		53.1	118.1 ✓
	431+75		
156' Rt		55.4	116.3 ✓
135' Rt		40.0	131.7 ✓
115' Rt		30.1	141.6 ✓
80' Rt		7.1	164.6
50' Rt		6.9	164.8
℄		6.5	165.2
50' Lt		6.6	165.1
76' Lt		7.7	164.0
80' Lt		8.8	162.9
	432+0		
65' Lt		6.5	165.2
50' Lt		6.0	165.7
℄		6.6	165.1
50' Rt		7.0	164.7
77' Rt		7.1	164.6
115' Rt		30.1	141.6 ✓
135 Rt		41.3	130.4 ✓
155' Rt - Tot		54.3	117.4 ✓
166' Rt		54.7	115.0 ✓
	432+50		
145' Rt		54.1	117.6 ✓
90' Rt		17.0	154.7 ✓
74' Rt		7.1	164.6

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	171.73		
50' Rt		6.9	164.8 ✓
℄		5.8	165.9 ✓
20' Lt		5.6	166.1 ✓
35' Lt		5.3	166.4 ✓
	433+0		
34' Lt		2.0	169.7 ✓
℄		5.0	166.7 ✓
50' Rt		6.5	165.2 ✓
70' Rt		6.6	165.1 ✓
85' Rt		16.0	155.7 ✓
105' Rt		30.4	141.3 ✓
	433+50		
71' Rt		9.3	162.4 ✓
62' Rt		4.3	167.4
20' Rt		3.9	167.8
	433+60 = End of Fill on Rt		
40' Rt		3.1	168.6
60' Rt		3.7	168.0 →
BM		12.2	165.5

Started Work in Big Cut & Fill

Dec 10-30 1 Shovel
" 14-30 2 Shovels
" 18-30 3 Shovels

February Estimate
Cross Section of Big Cut

	420+50 to 425+83		
BM	1.99	29538	293.39
	420+50 = Start of Cut		295.4
35' Lt		2.8	292.6
14' Lt		3.4	292.0
℄		5.1	290.3
50' Rt		6.0	289.4
75' Rt		6.4	289.0
125' Rt		10.2	285.2
	420+75		
125' Rt		8.8	286.6
75' Rt		8.3	287.1
25' Rt		6.1	289.3
℄		5.2	290.2
32' Lt		5.0	290.4
	421+0		
32' Lt		4.5	290.9
℄		5.7	289.7
50' Rt		7.9	287.5
100' Rt		8.5	286.9
127' Rt		8.2	287.2
	421+25		
138' Rt		7.8	287.6
100' Rt		7.3	288.1
50' Rt		7.9	287.5
℄		5.9	289.5

		295.38	295.4
32' Lt			289.9
	421+40		
39' Lt			274.2
℄			274.2
30' Rt			273.3
60' Rt			273.4
70' Rt			287.4
100' Rt			287.8
130' Rt			287.8
155' Rt			288.2
	421+50		
105' Rt			288.9
130' Rt			287.6
100' Rt			287.6
85' Rt			273.5
40' Rt			273.1
℄			273.6
32' Lt			273.9
	422+0 = PC		
30' Lt			273.0
℄			270.9
50' Rt			272.5
100' Rt			274.3
140' Rt			275.0
200' Rt			275.7
210' Rt			285.0

Feb 24-31
Sisson
McHugh
Kadagy

26

Transit
295.38
11.88
283.50
3.46
286.96
11.19
275.81
8.09
273.90

		295.38		295.4
22° Rt			13.7	281.7
	422+25			
222 Rt			11.8	283.6
212 Rt			19.9	275.5
160 Rt			18.9	276.5
100 Rt			19.8	275.6
50 Rt			23.2	272.2
℄			25.1	270.3
31 Lt			23.7	271.7
	422+50			
30 Lt			23.9	271.5
150 Lt			24.4	271.0
TP	1.46	285.00	11.84	283.54
TP	4.50	280.31	11.19	273.81
℄			20.7	259.6
50 Rt			21.7	258.6
100 Rt			19.4	260.9
145 Rt			4.0	276.3
160 Rt			3.7	276.6
211 Rt			4.3	276.0
218 Rt			+4.3	284.6
223 Rt			+4.5	284.8
	422+75			
230 Rt			1.3	279.0
225 Rt			3.9	276.4
200 Rt			4.3	276.0

		280.81		280.3
143 Rt			3.2	277.1
135 Rt			18.9	261.4
100 Rt			19.9	260.4
50 Rt			22.1	258.2
℄			22.1	258.2
20 Lt			21.4	258.9
27 Lt			9.5	270.8
30.5 Lt			9.0	271.3
30 Lt	423+0		10.0	270.3
26 Lt			10.5	269.8
18 Lt			23.1	257.2
℄			23.9	256.4
50 Rt			23.8	256.5
100 Rt			21.1	259.2
135 Rt			18.8	261.5
160 Rt			16.9	263.4
176 Rt			2.9	277.4
200 Rt			4.3	276.0
230 Rt			4.6	275.7
	334	271.37	12.18	268.13
	423+40			271.4
222 Rt			0.8	2706
202 Rt			0.0	271.4
193 Rt			8.0	263.4
160 Rt			10.8	260.6
100 Rt			13.2	258.2

	27.37		27.4
50' RL		15.3	256.1
℄		11.0	255.4
17' Lt.		15.8	255.6
21' Lt		4.1	267.3
31' Lt		2.7	268.7
	423+60		
31.5' Lt		3.1	268.3
26' Lt		4.6	266.8
20 Lt		15.7	255.7
℄		16.4	255.0
50' Rt		14.5	256.9
100' Rt		12.7	258.7
150 Rt		11.5	259.9
195 Rt		10.2	261.2
218' Rt		4.1	267.3
238' Rt		3.9	267.4
	424+0		
226' Rt		9.9	261.5
200' Rt		12.3	259.1
160' Rt		11.0	260.4
130' Rt		12.2	259.2
100' Rt		13.8	257.6
50' Rt		14.0	257.4
℄		15.8	255.6
18 Lt		16.0	255.4
32' Lt		2.1	268.8

	27.37		27.4
	424+25		
32' Lt		3.5	267.9
17' Lt		15.3	256.1
℄		15.3	256.1
50' Rt		14.2	257.2
100' Rt		14.1	257.3
148' Rt		13.2	258.2
160' Rt		19.3	252.1
182' Rt		15.7	255.7
210' Rt		15.1	255.8
TP	1.12 259.61	12.88	258.49
	424+50		~~259.6~~
202' Rt		9.6	250.0
160' Rt		9.6	250.0
148' Rt		2.7	256.9
100' Rt		2.6	257.0
50' Rt		2.7	256.9
℄		3.1	256.5
7' Lt.		3.1	256.5
22' Lt		+ 8.4	268.0
	424+75 = End of Cut on Lt		
℄		3.3	256.3
10' Rt		5.8	253.8
49' Rt		00	259.6
58' Rt		2.7	256.9
100' Rt		2.0	257.3

		259.61		259.6	
118' Rt			3.2	256.4	
130' Rt			13.2	246.4	
160' Rt			12.9	246.7	
203' Rt			13.2	246.4	
	425+0				
177' Rt			13.8	245.8	
160' Rt			14.1	245.5	
120' Rt			15.0	244.6	
110' Rt			3.3	256.3	
80' Rt			2.4	257.2	
50' Rt			2.3	257.3	
10' Rt			1.9	257.7	
	425+25				
50' Rt			6.0	253.6	
70' Rt			22.0	237.6	
81' Rt			2.6	257.0	
96' Rt			3.8	255.8	
PT	1.72	249.55	11.78	247.83	
105' Rt			8.4	241.2	
150' Rt			6.9	242.7	
183' Rt			6.5	243.1	
	425+50				
188' Rt			7.5	242.1	
150' Rt			8.3	241.3	
130' Rt			9.0	240.6	
88' Rt			10.5	239.1	

	249.55			
80' Rt		3.3	246.3	
425+75				
84' Rt		2.5	247.1	
96' Rt		12.7	236.9	
125' Rt		10.3	239.3	
145' Rt		9.3	240.3	
425+83 = North End of Cut				
130' Rt		10.0	239.6	
112' Rt		10.3	239.3	
96' Rt		3.9	245.7	
		10.31	239.24	on Stu 5 Rt 426+0 239.25

March Estimate
Cross Section of Big Fill

425+0 to 434+0

BM	1.60	255.07		253.47
		425+0		
168' Rt			9.3	245.8
130' Rt			11.8	243.3
100' Rt			12.6	242.5
75' Rt			12.6	242.5
	12.9	243.75	12.4	242.85
50' Rt			3.4	240.4
25' Rt			4.6	239.2
℄			6.2	237.6
20' Lt			6.1	237.7
45' Lt			6.0	237.8
		425+25		
60' Lt			22.8	221.0
35' Lt			11.8	232.0
℄			11.4	232.4
20' Rt			4.8	239.0
50' Rt			5.2	238.6
75' Rt			4.3	239.5
100' Rt			3.1	240.7
125' Rt			2.6	241.2
150' Rt			1.6	242.2
185' Rt			1.2	242.6
		425+50		
190' Rt			1.6	242.2

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248.75

150' Rt	2.7	241.1
125' Rt	3.3	240.5
100' Rt	4.4	239.4
75' Rt	5.6	238.2
50' Rt	6.8	237.0
25' Rt	7.0	236.8
℄	18.1	225.7
12' Lt	25.5	218.3
55' Lt	25.0	218.8
	425+75	
57' Lt	28.0	215.8
30' Lt	26.2	217.6
℄	15.0	228.8
20' Rt	8.5	235.3
50' Rt	8.0	235.8
75' Rt	6.4	237.4
100' Rt	5.4	238.6
125' Rt	4.7	239.1
150' Rt	4.1	239.7
	426+0	
95' Rt	7.5	236.3
75' Rt	7.7	236.1
50' Rt	8.6	235.2
25' Rt	12.0	231.8
℄	15.2	228.6
37' Lt	27.8	216.0

March 26-31
S.S.S.C.
Nebraska
Northern
Kearney

30

		24375		
57' Lt			2.85	215.3
TP	0.71	23243	12.03	23172
	✓ 426+50			
18' Lt			17.8	214.6
25' Lt			18.6	218.8
℄			12.4	220.0
25' Rt			10.8	221.6
40' Rt			12.0	220.4
	✓ 427+0			
46' Rt			14.5	217.9
25' Rt			16.9	215.5
℄			17.4	215.0
25' Lt			17.5	214.9
42' Lt			16.8	215.6
TP	0.82	23054	12.71	23197
	✓ 427+50			
43' Lt			9.8	212.7
25' Lt			9.0	211.5
10' Lt			9.9	210.6
℄			9.0	211.5
25' Rt			8.5	212.0
46' Rt			6.9	213.6
	✓ 427+75			
45' Rt			8.9	211.6
25' Rt			9.3	211.2
℄			10.9	209.6

		22054		
25' Lt			10.8	210.2
42' Lt			8.9	211.6
	✓ 428+0			
42' Lt			9.6	210.9
30' Lt			10.5	210.0
10' Lt			11.7	208.8
℄			11.4	209.1
25' Rt			10.2	210.3
47' Rt			10.9	209.6
	✓ 428+50			
44' Rt			11.8	208.7
25' Rt			12.0	208.5
℄			12.1	208.4
10' Lt			13.4	207.1
29' Lt			13.3	208.2
36' Lt			10.8	210.2
	✓ 429+0			
36' Lt			12.6	207.9
30' Lt			14.9	205.6
10' Lt			15.9	204.6
℄			13.7	206.8
25' Rt			13.9	206.6
42' Rt			13.8	206.7
TP	0.84	20896	12.42	20812
	✓ 429+50			
39' Rt			3.5	205.5

	20896		
25' Rt		4.5	204.5
△		5.5	203.5
10' Lt		7.2	201.8
39' Lt		5.0	204.0
	↓ 430+0		
38' Lt		7.7	201.3
25' Lt		9.4	199.6
△		9.5	199.5
25' Rt		7.7	201.3
32' Rt		7.6	201.4
40' Rt		6.4	202.6
	↓ 430+50		
40' Rt		10.0	199.0
25' Rt		10.1	198.9
△		9.8	199.2
10' Lt		9.7	199.3
15' Lt		11.6	197.4
31' Lt		9.8	199.2
	↓ 430+75		
37' Lt		10.6	198.4
15' Lt		11.8	197.2
△		10.0	199.0
25' Rt		11.0	198.0
39' Rt		11.0	198.0
	↓ 431+0		
38' Rt		11.8	197.2

	20896		
25' Rt		11.9	197.1
△		11.1	197.9
20' Lt		12.5	196.5
35' Lt		11.9	197.1
	✓ 431+50		
TP	0.73 197.15	12.5+	196.42
38' Lt		4.0	193.2
29' Lt		1.3	195.9
15' Lt		2.2	195.0
△		2.1	195.1
25' Rt		2.2	195.0
37' Rt		1.7	195.5
	↓ 431+75		
35' Rt		3.1	194.1
25' Rt		3.3	193.9
△		4.0	193.2
15' Lt		4.1	193.1
31' Lt		5.4	191.8
	✓ 432+0		
37' Lt		6.4	190.8
30' Lt		4.7	192.5
10' Lt		4.8	192.6
△		4.3	192.9
25' Rt		4.6	192.6
31' Rt		4.1	193.1

	197.15			
	432+25			
35' Rt		5.1	192.1	
25' Rt		5.5	191.7	
℄		5.4	191.8	
15' Lt		6.1	191.1	
30' Lt		6.3	190.9	
	432+50			
40' Lt		13.1	184.1	
21' Lt		7.2	190.0	
15' Lt		7.4	189.8	
℄		6.2	191.0	
20' Rt		6.6	190.6	
35' Rt		6.4	190.8	
	432+75			
34' Rt		7.9	189.3	
20' Rt		8.0	189.2	
℄		8.1	189.1	
22' Lt		10.5	186.7	
40' Lt		13.5	183.7	
	433+0			
TP	1.64	192.14	6.65	190.50
40' Lt			11.4	180.7
20' Lt			5.0	187.1
℄			4.7	187.4
20' Rt			4.1	188.0
34' Rt			4.1	188.0

	192.14			
	433+25			
33' Rt.		5.2	186.9	
20' Rt		5.3	186.8	
℄		5.4	186.7	
15' Lt.		5.9	186.2	
30' Lt.		7.4	184.7	
	433+50			
35' Lt.		9.9	182.2	
20' Lt.		6.6	185.5	
℄		6.6	185.5	
20' Rt.		6.4	185.7	
32' Rt		6.4	185.7	
	433+75			
28' Rt		7.8	184.3	
15' Rt		8.3	183.8	
℄		7.9	184.2	
15' Lt		7.6	184.5	
30' Lt		4.6	187.5	
	434+0			
25' Lt		5.5	186.6	
20' Lt		7.9	184.7	
℄		9.5	182.6	
20' Rt		9.6	182.5	
27' Rt		8.7	183.4	
BM		14.99	177.15	RM: 50 Lt 432+00 177.16

April Estimate Torrey Pines East Link

Sta 420+0 to 426+0

BM	12.05	273.53		261.48	on T.P. 130' Rt Sta 419+76 Lt
		420+0 ✓			
115' Rt			4.8	268.7	
100' Rt			4.3	269.2	
60' Rt			5.4	268.1	
40' Rt			4.7	266.8	
7' Rt			5.6	267.9	
3' Rt			2.2	271.3	
℄			2.2	271.3	
27' Lt			1.9	271.6	
		420+25 ✓			
25 Lt			4.9	268.6	
℄			5.8	267.7	
8' Rt			7.1	266.4	
50' Rt			6.4	267.1	
100' Rt			3.7	269.8	
145' Rt			0.7	272.8	
157' Rt			0.9	272.6	
		420+50 = Beg of Fill on Rt			
160' Rt.			2.5	271.0	
120' Rt			4.5	269.0	
90' Rt.			6.3	267.2	
50' Rt			8.2	265.3	
℄			8.5	265.0	
26' Lt			6.5	267.0	

273.53

420+75 ✓

36' Lt		8.4	265.1
℄		10.0	263.5
60' Rt		9.3	264.2
100' Rt		7.0	266.5
150' Rt		4.3	269.2
160' Rt on Pile of Dirt		4.7	270.8
170' Rt		4.0	269.5
	421+0 ✓		
175' Rt		3.2	270.3
170' Rt on Pile		1.3	272.2
150' Rt " "		3.6	270.9
130' Rt Beg of "		6.6	266.9
100' Rt		8.4	265.1
50' Rt		11.3	262.2
℄		11.3	262.2
26' Lt		10.4	263.1
	421+25 Fill Rock		
25' Lt		13.2	260.3
℄		12.7	260.8
50' Rt.		12.1	261.4
100' Rt.		9.2	264.3
127' Rt - Edge of Pile		7.5	266.0
145 Rt. on " "		3.6	269.9
160 " " "		1.5	272.0
180 "		1.9	271.6

April 1931 Survey Mc Hugh & Horton Notes

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273.53

	121+50		
209' Rt = Nat. Ground		5.7	267.8
199 Rt. on Pile		0.9	272.6
190' Rt. " "		+2.6	276.1
173' Rt " "		+1.4	274.9
160' Rt " "		2.3	271.2
140' Rt " "		6.7	266.8
110' Rt = Edge "		11.0	262.5
50' Rt		13.3	260.2
℄		15.0	258.5
25 Lt		15.6	257.9
	121+75		
25 Lt		17.3	256.2
℄		16.6	256.9
50' Rt		14.3	259.2
100' Rt		12.4	261.1
125 Rt = Edge Pile		10.9	262.6
160' Rt on "		7.3	266.2
200 Rt " "		1.5	272.0
214' Rt " "		2.0	271.5
223 Rt Nat. Ground		5.1	268.4
	122+08.5 = N/E Edge of Pile Girder N		
238' Rt		6.3	267.2
210' Rt		7.7	265.8
160' Rt.		10.8	262.7
110' Rt		13.3	260.2

273.53

TP	553	266.65	12.41	264.12
100' Rt			6.3	260.3
50 Rt			8.9	257.7
℄			11.0	255.6
25 Lt			11.9	254.8
	122+50			
25 Lt.			15.0	251.6
℄			13.8	252.8
50 Rt			12.2	254.4
100 Rt			9.5	257.1
150 Rt.			6.7	259.9
200 Rt.			5.0	261.6
245 Rt			1.5	265.1
	123+0			
342' Rt			5.0	261.6
200 Rt			7.4	259.2
150 Rt			9.9	256.7
100 Rt			13.0	253.6
TP	580	261.10	12.35	254.30
50 Rt			9.7	251.4
℄			11.9	249.2
25 Lt			13.8	248.3
	123+40			
25 Lt			14.8	246.3
℄			14.6	246.5
50 Rt			12.4	248.7

261.1°

100' Rt		9.4	251.7	
150' Rt		6.7	254.4	
200' Rt		3.6	257.5	
235' Rt		1.9	259.2	
	423+60 ✓			
249' Rt		2.9	258.2	
200' Rt		4.4	256.7	
150' Rt		7.9	253.2	
100' Rt		10.9	250.2	
50' Rt		13.3	247.8	
℄		15.4	245.7	
25' Lt		16.3	244.8	
	424+0 ✓			
25' Lt		18.5	242.6	
℄		17.5	243.6	
50' Rt		15.6	245.5	
100' Rt		13.1	248.0	
150' Rt		10.1	251.0	
200' Rt		6.6	254.5	
241' Rt		5.4	255.7	
	424+35 ✓			
206' Rt		7.1	254.0	
200' Rt		8.3	252.8	
150' Rt		12.1	249.0	
TP	3.15	251.57	248.42	
100' Rt		5.1	246.5	

251.57

50' Rt		7.3	244.3	
25' Rt		8.3	243.4	
℄		9.4	242.2	
25' Lt		10.1	241.5	
	424+50 ✓			From 434+50 to 435.35 Filled in on left. From March
64' Lt		7.2	244.4	
59' Lt		9.0	242.6	
25' Lt		10.5	241.1	
23' Lt		11.5	240.1	
℄		10.6	241.0	
25' Rt		9.5	242.1	
50' Rt		8.6	243.0	
100' Rt		6.1	245.5	
150' Rt		3.9	247.7	
204' Rt		1.3	250.3	
	424+75 ✓			
202' Rt		4.6	247.0	
150' Rt		5.3	246.3	
100' Rt		7.5	244.1	
50' Rt		9.7	241.9	
25' Rt		11.0	240.6	
℄		12.1	239.5	
23' Lt		12.8	238.8	
25' Lt		11.9	239.7	
63' Lt		9.0	242.6	

	25157				
	425+10 ✓				
57' Lt		14.0	237.6		
25' Lt		13.6	238.0		
23' Lt		14.6	237.0		
↓		13.6	238.0		
24 Rt		12.6	239.0		
25' Rt		12.1	239.5		
50' Rt		11.8	240.3		
100' Rt		8.9	242.7		
150' Rt		6.7	244.9		
175' Rt		5.9	245.7		
209' Rt		6.4	245.2		
	425+25 ✓				
226 Rt		8.9	242.7		
200' Rt		8.2	243.4		
170' Rt		8.2	243.4		
150' Rt		8.8	242.8		
100' Rt		10.6	241.0		
50' Rt		12.9	238.7		
TP	5.38	12.61	239.01		
25' Rt		6.9	237.5		
↓		8.0	236.4		
23' Lt		9.3	235.1		
25' Lt		8.0	236.4		
43' Lt		8.4	236.0		

	24489				
	425+50 ✓				
38' Lt		14.5	229.9		
29' Lt		9.6	234.8		
26' Lt		9.3	235.1		
25' Lt		10.7	233.7		
↓		9.5	234.9		
25' Rt		7.9	236.5		
50' Rt		7.4	237.0		
100' Rt		4.8	239.6		
150' Rt		3.1	241.3		
170' Rt		2.5	241.9		
235' Rt		3.8	240.6		
	425+75				
182' Rt		4.6	240.4		
156' Rt		4.8	239.6		
100' Rt		5.8	238.6		
50' Rt		9.0	235.4		
25' Rt		9.7	234.7		
↓		10.9	233.5		
23' Lt		11.7	232.7		
25' Lt		10.1	233.8		
28' Lt		10.8	233.6		
37' Lt		15.1	228.8		
	426+0 ✓				
37' Lt		16.6	227.8		
28' Lt		12.2	232.2		

RF 1501 Rolls

24439

25 Lt		11.9	232.5	
23 Lt		13.6	231.2	
℄		12.3	232.1	
25 Rt		11.2	233.2	
50 Rt	To be Plotted on Roll	10.5	233.9	
100 Rt		7.2	237.2	
135 Rt		5.8	238.6	
160 Rt		6.1	238.3	
BM	SI	9.83	234.56	℄ R 17 Curb 12 Int 4 PK Nail

April Estimate

415+50 to 420+00

BM	1.52	315.42	313.90	on Culvert 305.4 416+0
	415+50 ✓			
28' Lt		6.9	308.5	
℄		9.9	305.5	
25' Rt		10.8	304.6	
45' Rt		11.0	304.4	
	415+75 ✓			
41' Rt		11.7	303.7	
25 Rt		11.2	304.2	
℄		10.4	305.0	
27' Lt		9.3	306.1	
	416+0 ✓			
27' Lt		8.9	306.5	
℄		10.0	305.4	
20' Rt		10.6	304.6	
44' Rt		11.5	303.9	
	416+25 ✓			
45' Rt		10.5	304.9	
20' Rt		10.4	305.0	
℄		10.1	305.3	
28' Lt		8.9	306.5	
	416+50 ✓			
28' Lt		9.6	305.8	
℄		10.2	305.2	
15' Rt		9.8	305.6	

315.42

34' Rt		10.3	305.1	
	416+75 ✓			
40' Rt		12.4	303.0	
20' Rt		11.7	303.7	
℄		10.5	304.9	
10' Lt		11.4	304.0	
29' Lt		11.0	304.4	
	417+0 ✓			
29' Lt		12.3	303.1	
℄		12.5	302.9	
20' Rt		14.6	300.8	
39' Rt		13.4	302.0	
TP	0.19	302.66	12.95	302.47
	417+25 ✓			
45' Rt		4.1	298.6	
20' Rt		4.0	298.7	
℄		2.9	299.7	
29' Lt		2.1	300.6	
	417+50 ✓			
29' Lt		4.3	298.3	
℄		5.4	297.3	
2' Rt		5.2	297.5	
5' Rt		19.7	283.0	
35' Rt		19.1	283.6	
70' Rt		20.3	282.4	
110' Rt		20.7	282.0	

302.66

115 Rt		15.8	286.9
	417+75		
114 Rt		17.0	285.7
100 Rt		21.5	281.2
65 Rt		21.7	281.0
40 Rt		22.0	280.7
5 Rt		22.3	280.4
℄		7.4	295.3
23 Lt		6.4	296.3
30 Lt		6.3	296.4
	418+0		
29 Lt		8.9	293.8
℄		9.8	292.9
2 Rt		9.6	293.1
4 Rt		19.6	283.1
8 Rt		23.8	278.9
40 Rt		22.8	279.9
80 Rt		23.6	279.1
110 Rt		23.8	279.9
120 Rt		16.8	285.9
	418+25		
100 Rt		20.3	282.4
95 Rt		24.4	277.3
70 Rt		24.4	277.3
30 Rt		25.2	277.4
8 Rt		25.4	277.3

302.66

1 Rt		12.6	290.1
℄		12.5	290.2
29 Lt		11.5	291.2
TP	0.73	290.49	12.0 290.06
	418+50		
28 Lt		1.2	289.3
7 Lt		2.2	288.3
℄		13.0	277.5
30 Rt		13.8	276.7
75 Rt		13.4	277.1
113 Rt		13.5	277.0
	418+75		
108 Rt		15.4	275.1
70 Rt		13.6	276.9
40 Rt		14.8	275.7
℄		14.7	275.8
7 Lt		3.5	287.0
28 Lt		2.5	288.0
	419+0		
29 Lt		4.7	285.8
7 Lt		5.2	285.3
℄		15.7	274.8
30 Rt		16.0	274.5
60 Rt		16.0	274.5
90 Rt		17.1	273.4

		390.49			
	419+25 ✓				
95' Rt			20.5	2700	
60' Rt			18.6	271.9	
30' Rt			17.1	273.4	
℄			17.4	273.1	
5' Lt			9.0	281.5	
28' Lt			8.0	282.5	
	419+50 ✓				
28' Lt			11.3	279.2	
5' Lt			12.3	278.2	
℄			19.6	270.9	
30' Rt			20.0	270.5	
60' Rt			21.2	269.3	
97' Rt	on Waste		21.1	269.4	
	419+75 Lt. Ed. ✓				
103' Rt			21.0	269.5	
60' Rt			22.3	268.2	
30' Rt			22.4	268.1	
℄			21.6	268.9	
TP	0.48	27789	13.08	27741	
4' Lt.			3.3	274.6	
17' Lt.			28	275.1	
BM			1639	26150	on TP 126 Rt 419+75 Lt 26148

Culverts

425+50

125.75 ft of 24" Conc. Pipe D.H.S. in Place

One Inlet Complete

1 Head Wall Left out

401+50

51 ft of 18" Conc Pipe in Place

3 Hoods of Inlets in Place

Torrey Pines East Grade
Final Cross Sections

May 8. 1931

42

	461+0 to 433+50									
BM.	6.53	42.87		36.34	on 50' Tie at 461+30.35		42.87			
	✓ 461+0									
31' Lt			6.6	35.3		25.3' Lt			21	40.8
29' Lt			5.9	37.0		23' Lt			3.4	39.5
25.5' Lt			6.4	36.5					3.4	39.5
23.5' Lt			7.5	35.4		23' Rt			3.5	39.4
℄			8.2	34.7		25.2' Rt			2.4	40.5
23.5' Rt			8.7	34.2		28' Rt			2.4	40.5
25.3' Rt			7.4	35.5		35' Rt			7.2	35.7
28' Rt			7.4	35.5		50' Rt			16.1	26.8
50' Rt			21.2	21.7		60' Rt			17.9	25.0
	✓ 460+50					✓ 459+75				
60' Rt			21.2	21.7		50' Rt			15.2	27.7
51' Rt			19.2	23.7		38.2 Rt			1.0	41.9
28.6 Rt			5.1	37.8		25.2 Rt			1.0	41.9
25.3 Rt			4.9	38.0		23' Rt			2.5	40.4
23.4' Rt			6.2	36.7		℄			2.1	40.8
℄			5.8	37.1		24' Lt			2.2	40.7
23' Lt			5.7	37.2		26.2' Lt			1.0	41.9
25.6' Lt			4.2	38.7		33' Lt			1.3	41.6
28' Lt			4.2	38.7		TP	8.48	50.12	1.23	41.64
32' Lt			5.0	37.9		✓ 459+50 - End of Shoulder work				
	✓ 460+0					21.5' Lt			7.4	42.7
23' Lt			2.9	40.0		25' Lt			8.4	41.7
28' Lt			2.0	40.9		℄			8.2	41.9
						23' Rt			8.1	41.5
						25.8' Rt			6.8	43.3
						28' Rt			6.9	43.2

Final Cross Section 50.12

45' Rt		18.4	31.7				
50' Rt		19.5	30.6				
↓ 459+25							
5' Rt		16.9	33.2				
45' Rt		16.5	33.6				
38.2' Rt		5.7	44.4				
25.2' Rt		5.1	44.5				
23' Rt		7.3	42.8				
℄		6.9	43.2				
26' Lt		7.1	43.0				
39' Lt		5.6	44.5				
↓ 459+0							
28.5 Lt		3.1	47.0				
26.5 Lt		5.9	44.2				
℄		5.5	44.6				
23' Rt		6.2	43.9				
25.2 Rt		4.5	45.6				
28.3 Rt		4.5	45.6				
41' Rt		12.3	37.8				
44' Rt		12.9	37.2				
↓ 458+50							
34' Rt		5.0	45.1				
29' Rt		3.0	47.1 ✓				
25.0' Rt		2.8	47.3 ✓	1525			
23.2 Rt		3.8	46.3 ✓	1475			
19.5' Rt		6.3	46.8				

℄			2.9	47.2			
24.5 Lt			2.8	47.3	Note:- For Top of Cut on Left See Page 52		
27' Lt			3.3	46.8			
29.2 Lt	from Page 53 —			54.2			
	458+30 : End of Shoulder on Rt						
Lt							
26.3 Lt			2.2	47.9			
21' Lt			1.8	48.3			
℄			1.8	48.3			
21' Rt			2.3	47.8			
24' Rt			2.9	47.2			
26' Rt			1.6	48.5			
TP	12.13	61.75	0.50	49.62			
↓ 458+0							
37.2 Rt			10.3	51.4 ✓			
25' Rt			13.0	48.7 ✓			
20' Rt			12.4	49.3			
℄			11.8	49.9			
23' Lt			12.1	49.6			
26' Lt			12.4	49.3 ✓			
32 Lt				62.5 ✓			
↓ 457+70							
33 Lt				67.3 ✓			
35' Lt			11.0	50.7			
33' Lt			10.8	50.9			
℄			10.5	51.2			

Final Cross Section 61.75

21 Rt		11.1	50.6
25.5 Rt		11.6	50.6
28 Rt		9.1	52.1
30 Rt		6.1	55.6
	1+57+50		
30 Rt		3.8	57.9
27 Rt		9.0	52.7
25.3 Rt		10.5	51.2
21 Rt		10.0	51.7
℄		9.5	52.2
21.5 Lt		9.9	51.8
25 Lt		10.1	51.6
29 Lt			68.4
	1+57+0		
29.6 Lt			73.7
25 Lt		8.0	53.7
21 Lt		7.7	54.0
℄		6.9	54.8
21 Rt		7.6	54.1
25 Rt		8.2	53.5
29 Rt		7.0	54.7
PP	12.80	74.35	0.20 61.55
30 Rt		12.6	62.2
	1+56+50		
30.6 Rt		9.9	64.5
27.2 Rt		17.4	57.0

74.35

25.9 Rt		18.5	55.8
21.3 Rt		17.9	56.5 Note: -
℄		17.2	57.2 For Top of Cut on Left See Page 52
21.9 Lt		18.0	56.4
24.5 Lt		18.5	55.9
30.2 Lt			76.5
	1+51+25		
29.7 Lt			76.9
25 Lt		17.2	57.2
22 Lt		16.6	57.8
℄		16.0	58.4
22 Rt		16.7	57.7
25 Rt		17.3	57.1
27 Rt		16.4	58.0
30 Rt		9.8	64.6
	1+51+0		
29.6 Rt		8.2	66.2
25 Rt		13.7	60.7
21.5 Rt		16.0	58.4
21.3 Rt		15.3	59.1
℄		14.7	59.7
21.3 Lt		15.3	59.1
24.7 Lt		16.0	58.4
30 Lt			77.9

Final Cross Section 7485

✓ 455475

30.3 Lt			79.2 ✓
25' Lt		14.6	59.8
21' Lt		14.0	60.4
℄		13.4	61.0
21' Rt		14.0	60.4
25' Rt		14.7	59.7
28' Rt		12.4	62.0
30.2 Rt		6.4	68.0 ✓

✓ 455450

30.2 Rt		4.7	69.7
27' Rt		12.0	62.4
25' Rt		13.5	60.9
21' Rt		12.7	61.7
℄		12.1	62.3
21' Lt		12.7	61.7
25' Lt		13.4	61.0
30.5 Lt			82.3

✓ 455410

30.6 Lt			86.7
25' Lt		10.7	63.7
21' Lt		10.2	64.2
℄		9.6	64.8
21' Rt		10.0	64.4
25' Rt		10.8	63.6
27 Rt		9.0	65.4

7485

PT	13.15	87.01	0.49	7286
31.2 Rt			12.2	74.8

✓ 454450

32.9 Rt		7.6	79.4
21.5 Rt		19.6	67.4
21' Rt		20.9	66.1
20' Rt		20.4	66.6
℄		19.7	67.3
20.5 Lt		20.3	66.7
25' Lt		20.8	66.2
31.1 Lt			91.1

✓ 454410

31 Lt			92.7
25' Lt		17.8	69.2
21' Lt		17.8	69.2
℄		17.2	69.8
21' Rt		17.9	69.1
21.5 Rt		18.5	68.5
27' Rt		16.8	70.2
32.1 Rt		5.8	81.2

✓ 453450

32' Rt		4.1	82.9
26' Rt		15.0	72.0
25' Rt		16.2	70.8
21.5 Rt		15.4	71.6
℄		14.7	72.3

Final Cross Section 87.01

21.5 Lt		15.4	71.6
26 Lt		15.9	71.1
30.5 Lt			94.1
	↓ 453+50		
30.8 Lt			96.8
25 Lt		13.4	73.6
21.6 Lt		12.6	74.4
↓		12.0	75.0
21 Rt		12.8	74.2
21.5 Rt		13.5	73.5
26 Rt		12.1	74.9
31.5 Rt		1.6	85.4
	↓ 452+50		
30.8 Rt		0.0	87.0
25.8 Rt		9.8	77.2
24 Rt		10.9	76.1
20.5 Rt		10.9	76.1
↓		9.7	77.3
21 Lt		10.3	76.7
25 Lt		10.9	76.1
30.5 Lt			97.5
	↓ 452+0		
29.5 Lt			98.1
25 Lt		8.5	78.5
21.6 Lt		7.9	79.1
↓		7.5	79.5

87.01 May 98 451+50

21 Rt			7.8	79.2
24 Rt			8.6	78.4
26.5 Rt			7.2	79.8
TP	12.02	94.11	1.92	82.09
30.8 Rt			5.9	88.2
				82.10
31 Rt	11.98	93.88		
	↓ 451+50			
30.8 Rt			3.5	90.4
28 Rt			9.8	84.1
25 Rt			13.5	80.4
21.5 Rt			12.4	81.5
↓			11.9	82.0
21 Lt			12.5	81.4
25 Lt			12.6	81.3
29.4 Lt				92.5
	↓ 451+0			
29.6 Lt				102.7
25 Lt			10.3	83.6
21.8 Lt			9.9	84.0
↓			9.2	84.7
21 Rt			9.8	84.1
24.6 Rt			10.3	83.6
26 Rt			9.0	84.9
30.6 Rt			0.0	93.9
TP	13.70	104.95	0.83	93.05

94.1 Drain Path in Rt 451+50 Original Ground 1.0 High

8P Cb to Lt 451+50

Final Cross Section

105.75

450+50

31.4 Rt		7.8	98.0
26 Rt		18.0	87.8
24.4 Rt		19.7	86.1
21.3 Rt		19.0	86.8
℄		18.6	87.2
21.5 Lt		19.6	86.2
25 Lt		19.8	86.0
29.8 Lt			105.9

450+0

31.0 Lt			110 3
25 Lt		17.3	88.5
21 Lt		16.6	89.2
℄		16.0	89.8
21.3 Rt		16.5	89.3
24.5 Rt		17.1	88.7
26.2 Rt		15.9	89.9
32 Rt		4.4	101.4

449+70

32.4 Rt		3.0	102.8
26.3 Rt		14.3	91.5
25 Rt		15.7	90.1
21.5 Rt		14.9	90.9
℄		14.6	91.2
21.8 Lt		15.2	90.6

105.75

25 Lt		15.8	90.0
30.8 Lt			111.8

Note:— Fir top of Cut on Left See Page 52

449+50

31.75 Lt			112.7
25 Lt		14.7	91.1
21.5 Lt		14.0	91.8
℄		13.6	92.2
21.5 Rt		13.8	92.0
25 Rt		14.4	91.4
26.3 Rt		13.4	92.4
32.8 Rt		1.4	104.4
P	89.0	114.08	0.57 105.18

449+0

32.8 Rt		5.8	108.3
26 Rt		19.2	94.9
25 Rt		20.4	93.7
21.7 Rt		19.7	94.4
℄		19.4	94.7
21.5 Lt		19.9	94.2
35 Lt		20.5	93.6
31 Lt			116.4

448+50

31 Lt			119.9
25 Lt		17.8	96.3
21.7 Lt		17.3	96.8
℄		16.7	97.4

47

Final Cross Section 11.4.08

21 Rt		17.1	97.0
24.6 Rt		17.7	96.4
32.2 Rt		3.5	110.6
	448+0		
31.6 Rt		2.3	111.8
24.5 Rt		15.2	98.9
21.4 Rt		14.6	99.5
℄		14.1	100.0
21.5 Lt		14.7	99.4
25 Lt		14.9	99.2
31. Lt			120.6
	447+50		
30 Lt			121.8
25' Lt		11.9	102.2
21.5 Lt		11.8	102.3
℄		11.4	102.7
21.6 Rt		11.9	102.2
25 Rt		12.5	101.6
30.4 Rt		1.8	112.3
	447+45 = N½ of Conc Wall Around Tree on ℄		
30.8 Rt		1.6	112.5
25' Rt		12.2	101.9
21.6 Rt		11.5	102.6
℄		11.1	103.0
20' Lt		11.2	102.9
23' Lt - Face Wall		11.5	102.6

11.4.08

25' Lt Fw Dirt		11.0	103.1
Lt			
	447+20 = S½ of Conc Wall on Lt		
Lt			Hole Wall 23' Lt at Base
23.5 Lt Fw Dirt		5.4	108.7
23' Lt - Face Wall		9.9	104.2 25.8' Lt at Top
19.5 Lt		9.1	105.0
℄		9.6	104.5
22' Rt		10.3	103.8
25' Rt		10.9	103.2
30.2 Rt		1.3	112.8
	447+09.97 = PC		
30' Rt		1.1	113.0
25 Rt		10.3	103.8
22' Rt		9.7	104.4
℄ on Hub		9.06	105.0
19.5 Lt		8.4	105.7
23 Lt		9.1	105.0
33 Lt			122.4 07 ℄ Mon.
TP	12.63 11765	9.01	105.02 447+09.97
	446+75		
33.2 Lt			123.0
25 Lt		9.8	107.8
21.4 Lt		9.1	108.0
℄		10.5	107.1
22' Rt		11.3	106.3

Final Cross Section

117.65

25' Rt		11.9	105.7
188' Rt		4.1	113.2
	446+50		
28' Rt		4.6	113.0
45 Rt		10.5	107.1
218 Rt		10.0	107.6
℄		8.8	108.8
21.4' Lt		8.1	109.5
25' Lt		8.3	109.3
31' Lt		2.3	115.3
33' Lt		1.6	116.0
38 Lt			122.3
	446+40		
33.6 Lt			121.3
27' Lt		5.9	111.9
23.3 Lt		5.0	112.6
℄		5.9	111.7
20.1 Rt		7.0	110.6
25' Rt		7.6	110.0
26.2' Rt		5.2	112.4
	445+80	= End of Shoulder on Rt	
26.7 Rt		4.9	112.7
23' Rt		6.3	111.3
19.5' Rt		5.8	111.8
℄		4.7	112.9
23' Lt		3.6	114.0

117.65

21.4' Lt			4.7	113.0	
TP	11.75	128.44	0.96	116.69	
33' Lt			6.6	121.8	
	445+70				
37.5' Lt			5.8	122.6	
35.5' Lt			10.3	118.1	
28' Lt			14.8	113.6	
22.6 Lt			13.6	114.8	
℄			14.9	113.5	
20.2 Rt			16.0	112.4	
23' Rt			16.4	112.0	
25' Rt			15.1	113.3	
31' Rt			13.7	114.7	
37.2' Rt			16.3	112.1	
	445+60				
40' Rt			16.7	111.7	
32' Rt			13.5	114.9	
25' Rt			14.7	113.7	
23' Rt			15.8	112.6	
19' Rt			15.3	113.1	
℄			14.2	114.2	
23' Lt			13.0	115.4	
21.3 Lt			13.9	114.5	
33' Lt			6.1	122.3	
	445+50				
33' Lt			5.6	122.8	

Find Cross Section 12844

26.6 Lt	13.4	115.0
22.8 Lt	12.5	115.9
℄	13.6	114.8
18.5 Rt	14.5	113.9
23.4 Rt	15.1	113.3
27.4 Rt	13.5	114.9
35' Rt	14.2	114.2
38.8 Rt	15.2	113.2
↓ 445+0		
34.1' Rt	11.9	116.5
29.2 Rt	10.1	118.3
25.4 Rt	10.2	118.2
23.4 Rt	11.4	117.0
℄	10.5	117.9
22.4' Lt	9.6	118.8
26' Lt	10.6	117.8
32' Lt	2.7	125.7
↓ 444+63 = Sly of Conc Wall on Lt		
30 Lt - Top Slope + Top Wall	1.2	127.2
29 Lt	4.5	123.9
24.5 Lt - Face Wall	8.1	120.3
20.8 Lt.	7.6	120.8
℄	8.3	120.1
23.8 Rt	9.1	119.3
25.5 Rt	7.9	120.5
30' Rt	8.0	120.4

12844

38 Rt	10.5	117.9
↓ 444+59		
37.7' Rt	10.1	118.3
30.5' Rt	7.8	120.6
25.5' Rt	7.7	120.7
24' Rt	8.8	119.6
℄	8.0	120.4
20.6 Lt	7.3	121.1
24.5 Lt - Face Wall	8.3	120.1
25 Lt - Top Wall		127.24
↓ 444+55		
25' Lt - Top Wall		127.22
24.5 Lt - Face Wall	8.0	120.4
20.8' Lt	7.1	121.3
℄	7.7	120.7
23.7 Rt	8.6	119.8
25.1 Rt	7.4	121.0
30.7 Rt	7.5	120.9
39' Rt	10.5	117.9
444+41.4 - Sly of Conc Wall on Lt		
37.4 Rt	9.9	118.5
30.4 Rt	6.6	121.8
25.8 Rt	6.5	121.9
23.5 Rt	7.7	120.7
℄	6.9	121.5
20.8 Lt	6.3	122.1
25 Lt - Face Wall	7.3	121.1
25.5 Lt - Top "		135.5
30.6 Lt.	1.1	127.3

Final Cross Section 12844

444+2036 = BC

29.5 Lt	0.9	127.5	
26.1 Lt	5.9	122.5	
21.3 Lt	5.2	123.2	
℄	5.7	122.7	
23.1 Rt	6.5	121.9	
25.2 Rt	5.2	123.2	
28' Rt	5.4	123.0	
37' Rt	10.1	118.3	
42' Rt	11.1	117.3	
BM	0.40	128.04	BP Column 443+40 on Lt 12798

For Sta 444+0 See Page 54

Final Cross Section
Top of Cut on Left
446+0 to 458+50

BM	0.40	128.38		127.98	pp c6 to top 443+40
		446+0			
33.6' Lt			7.1	121.3	
		446+50			
38' Lt			6.1	122.3	
		446+75			
33.2 Lt			5.4	123.0	
		447+09.97 EC			
33' Lt			6.0	122.4	
		447+21.5 = Sta of Wall at Top			
33' Lt	Top Wall to Ground		6.0	122.4	
		447+43.5 = Sta of Wall at Top			
32' Lt			6.2	122.2	
		447+50			
30' Lt			6.6	121.8	
		448+0			
31' Lt			7.8	120.6	
		448+50			
31' Lt			8.5	119.9	
		449+0			
31' Lt			12.0	116.4	
TP	0.53	115.98	12.93	115.45	
		449+50			
31' Lt			33	112.7	

115.98

		449+70			
30.8' Lt			4.7	111.3	
		450+0			
31' Lt			5.7	110.3	
		450+0			
29.8 Lt			10.1	105.9	
		451+0			
29.6 Lt			13.3	102.7	
TP	0.50	103.64	12.81	103.14	
		451+50			
29.4 Lt			4.1	99.5	
		452+0			Note Over Break 452+50 Paid By Force Account
29.5 Lt			5.5	98.1	
		452+50			
30.5 Lt			6.4	97.5	
		453+0			
30.8 Lt			6.8	96.8	
		453+50			
30.5 Lt			9.5	94.1	
		454+0			
31' Lt			10.9	92.7	
		454+50			
31.1 Lt			12.5	91.1	
TP	0.41	91.48	12.57	91.07	
		455+0			
30.6' Lt			4.8	86.7	

Final Cross Section 9148

	455+50				
30.5 Lt			9.2	82.3	
	455+75				
30.3 Lt			12.3	79.2	
	456+0				
30 Lt			13.6	77.9	
TP	3.00	81.60	12.88	78.60	
	456+25				
29.7 Lt			14.7	76.9	
	456+50				
30 Lt			5.1	76.5	
	457+0				
29.6 Lt			7.9	73.7	
	457+50				
33 Lt			13.2	68.4	
TP	2.30	70.60	13.30	68.30	
	457+70				
33 Lt			3.3	67.3	
	458+0				
32 Lt			8.1	62.5	
	458+50				
29.2 Lt			16.3	54.3	
TP	3.59	61.64	12.55	58.05	
TP	0.36	48.84	13.16	48.48	
BM			8.10	40.74	B.P Cb to Lt 460+5 up 6.7 40.24

Final Cross Section

May 12-1931

441+40 to For 444+20 See Page 51

BM	7.91	135.89		127.98	441+40
		441+40 = End of Shoulder on Lt			
50' Rt			21.4	114.5	
40' Rt			19.4	116.5	
28' Rt			11.4	124.5	
25.3 Rt			11.4	124.5	
23.7' Rt			12.5	123.4	
℄			12.2	123.7	
21.5 Lt			11.9	124.0	
26' Lt			12.4	123.5	
28.2 Lt			9.5	126.4	
		443+50			
40' Lt			13.1	122.8	
28' Lt			7.9	126.0	
25.3 Lt			7.9	128.0	
23.8' Lt			9.2	126.7	
℄			9.3	126.6	
23' Rt			9.7	126.2	
25.3 Rt			8.4	127.5	
28' Rt			8.4	127.5	
37' Rt			12.3	123.6	
50' Rt			21.3	114.6	
59' Rt			36.8	109.1	
		443+0			
74 Rt			28.2	107.7	

135.89

59' Rt			24.9	111.0
41' Rt			12.5	123.4
28' Rt			5.0	130.9
25.5 Rt			5.2	130.7
24' Rt			6.6	129.3
℄			6.1	129.8
23' Lt			6.4	129.5
25.3 Lt			5.0	130.9
28' Lt			5.0	130.9
41' Lt			11.9	124.0
		442+50		
40' Lt			9.7	126.2
28.3 Lt			2.1	133.8
25.3 Lt			2.3	133.6
23' Lt			3.7	132.2
℄			3.0	132.9
23 Rt			3.5	132.4
25.5 Rt			2.1	133.8
28' Rt			2.0	133.9
60' Rt			23.8	112.1
68' Rt			26.0	109.9
		442+0		
75' Rt			24.8	111.1
65 Rt			23.0	112.9
56 Rt			12.9	123.0
TP	11.09	146.30	0.18	135.21

	14+30		
28.4 Rt.		9.6	136.7
25.3 Rt		9.5	136.8
23.4 Rt		10.9	135.4
℄		10.2	136.1
23' Lt		11.0	135.3
25.4 Lt		9.6	136.7
28' Lt		9.5	136.8
46' Lt		16.9	129.4
	↓ 141+75		
40' Lt		14.6	131.7
28.5 Lt		8.0	138.3
25.3 Lt		8.1	138.2
23' Lt		9.5	136.8
℄		8.7	137.6
23' Rt		8.6	137.7
25.4 Rt		8.2	138.1
28.6 Rt		8.1	138.2
50' Rt		21.3	125.0
68' Rt		39.3	117.0
70' Rt		30.8	115.5
	↓ 141+50		
70' Rt.		29.0	117.3
41' Rt.		27.4	118.9
50' Rt.		20.1	126.2
28.2 Rt		6.5	139.8
25.6 Rt		6.5	139.8

	14+30		
23.4 Rt		8.0	138.3
℄		7.3	139.0
23' Lt		8.1	138.2
25.3 Lt		6.7	139.6
28.4 Lt		6.6	139.7
36' Lt		11.5	134.8
	↓ 141+25		
42' Lt		12.5	133.8
28.5 Lt		4.9	141.4
25.3 Lt		5.0	141.3
23' Lt		6.3	140.0
℄		5.7	140.6
23.5 Rt		6.6	139.7
25.4 Rt		5.2	141.1
28.5 Rt		5.2	141.1
50' Rt		18.2	128.1
68' Rt		25.4	120.9
68' Rt		26.7	119.6
	↓ 141+0		
50' Rt.		15.5	130.8
28.2 Rt		3.5	142.8
25.7 Rt		3.5	142.8
23.4 Rt		4.9	141.4
℄		4.4	141.9
23' Lt		4.6	141.7
25.2 Lt		3.5	142.8

	1430		
28 Lt	3.3	143.0	
39 Lt	10.3	136.0	
↓ 440+90			
39 Lt	9.6	136.7	
28 Lt	2.5	143.8	
25 Lt	2.7	143.6	
23 Lt	1.0	142.3	
℄	3.8	142.5	
23 Rt	1.3	142.0	
26 Rt	2.9	143.4	
28 Rt	2.9	143.4	
50 Rt	15.7	130.6	
60 Rt	18.2	128.1	
↓ 440+75			
11 Rt	22.9	123.4	
50 Rt	15.2	131.0	
28 Rt	3.1	144.2	
25 Rt	3.1	144.2	
23 Rt	3.4	142.9	
℄	2.9	143.4	
23 Lt	3.2	143.1	
25 Lt	1.8	144.5	
28 Lt	1.7	144.6	
38 Lt	6.8	139.5	
↓ 440+50			
71 Lt	0.0	146.3	

	1430		
69 Lt	1.0	145.3	
50 Lt	1.6	144.7	
31.3 Lt	2.8	143.5	
28 Lt	0.4	145.9	
25.2 Lt	0.5	145.8	
23 Lt	1.9	144.4	
℄	1.5	144.8	
23.5 Rt	2.0	144.3	
25.5 Rt	0.5	145.8	
28 Rt	0.4	145.9	
50 Rt	15.2	131.1	
71.5 Rt	29.3	1170	
71 Rt	30.3	1160	
↓ 440+25			
84 Rt	34.7	111.6	
78 Rt	32.4	113.9	
50 Rt	14.0	132.3	
TP 1307	1581.2	0.25	141.05
28 Rt	10.8	147.3	
25 Rt	10.9	147.2	
23.5 Rt	12.3	145.8	
℄	11.8	146.3	
23.3 Lt	12.2	145.9	
25.3 Lt	11.0	147.1	
28 Lt	10.9	147.2	
32.5 Lt	13.0	145.1	

158.12

50 Lt		12.7	145.4
71' Lt		11.4	146.7
79' Lt		6.1	152.0
85' Lt		6.6	151.5
	440+10		
80' Lt		3.6	154.5
78' Lt		3.9	154.2
68' Lt		11.2	146.9
50' Lt		11.6	146.5
31' Lt		11.2	146.9
28.5' Lt		9.9	148.2
25.3' Lt		10.0	148.1
23.6 Lt		11.2	146.9
℄		10.9	147.2
23' Rt		11.2	146.9
25.3 Rt		9.8	148.3
29' Rt		9.9	148.2
62' Rt		32.0	126.1
81' Rt		44.3	113.8
85' Rt		45.6	112.5
	440+0		
85' Rt		44.7	113.4
80' Rt		43.5	114.6
67' Rt		33.8	124.3
28' Rt		9.2	148.9
25.3 Rt		9.2	148.9

158.12

22.6 Rt		10.6	147.5
℄		10.3	147.8
23 Lt		10.7	147.4
25.8 Lt		9.2	148.9
28.5 Lt		9.3	148.8
32 Lt		10.7	147.4
70' Lt		10.7	147.4
77.5 Lt		1.5	156.6
	439+90		
74' Lt		+1.2	159.3
64' Lt		9.7	148.4
31' Lt		9.7	148.4
28.3 Lt		8.7	149.4
25.3 Lt		8.7	149.4
23' Lt		10.0	148.1
℄		9.7	148.4
22.5 Rt		10.0	148.1
25' Rt		8.6	149.5
28' Rt		8.6	149.5
67 Rt		33.3	124.8
82' Rt		43.0	115.1
100' Rt		45.8	112.3
	439+75		
100' Rt		44.7	113.4
85' Rt		43.1	115.0
65' Rt		31.3	126.8

158.12

28.2 Rt		7.8	150.3
24.8 Rt		7.8	150.3
22.5 Rt		9.2	148.9
℄		8.8	149.3
23 Lt		9.2	148.9
25.5 Lt		7.9	150.2
28.2 Lt		7.9	150.2
33 Lt		11.1	147.0
40 Lt		8.8	149.3
60 Lt		8.6	149.5
67 Lt		3.0	155.1
	✓ 139+65		
65 Lt		6.0	152.1
50 Lt		8.4	149.7
41 Lt		14.1	144.0
28.5 Lt		7.3	150.8
25.2 Lt		7.3	150.8
23 Lt		8.5	149.6
℄		8.2	149.9
22.5 Rt		8.1	149.5
25.2 Rt		7.1	151.0
28 Rt		7.1	151.1
63 Rt		29.3	128.8
95 Rt		41.3	111.8
100 Rt		47.5	110.6

158.12

	✓ 139+50		
100 Rt		52.7	105.4
66 Rt		30.6	127.5 Note:- Cut From 139+65 to 140+50 on Left
50 Rt		21.1	137.0
28 Rt		6.2	151.9
25 Rt		6.1	152.0 Taken out to Grade
23 Rt		7.6	150.5 Shoulder Widened
℄		7.1	151.0
23 Lt		7.6	150.5
25 Lt		6.2	151.9
39 Lt		6.4	151.7
48 Lt		17.4	140.7
	✓ 139+35		
58 Lt		22.4	135.7
38.5 Lt		5.5	152.6
25.3 Lt		5.4	152.7
23 Lt		6.6	151.5
℄		6.2	151.9
23 Rt		6.7	151.4
25 Rt		5.4	152.7
28.2 Rt		5.3	152.8
56 Rt		19.7	138.4
87 Rt		41.3	113.8
	✓ 139+20		
95.9 Rt		41.7	113.4
80.75 Rt		38.8	119.3

50' Rt		18.0	140.1
28' Rt		15	153.6
25' Rt		15	153.6
23' Rt		5.8	152.3
℄		5.3	152.8
23.2 Lt		5.8	152.3
25.3 Lt		15	153.6
28.7 Lt		15	153.6
50 Lt		17.7	140.4
64 Lt		21.8	131.3
	439+10		
65 Lt		21.9	131.2
50 Lt		17.4	140.7
38 Lt		3.8	154.3
25 Lt		3.8	154.3
23 Lt		5.2	152.9
℄		4.7	153.4
23' Rt		5.3	152.8
25.3 Rt		3.9	154.2
28' Rt		3.9	154.2
56' Rt		17.6	140.5
80' Rt		38.2	119.9
90' Rt		39.4	118.7
	439+70		
80' Rt		37.0	121.1
50' Rt		17.2	140.9

28' Rt		3.2	154.9
25.3 Rt		3.1	155.0
23' Rt		4.6	153.5
℄		4.2	153.9
23' Lt		4.7	153.4
25.3 Lt		3.3	154.8
28' Lt		3.3	154.8
50' Lt		17.4	140.7
68' Lt		28.1	130.0
70' Lt		27.8	130.3
	438+75		
76' Lt		37.0	121.1 Stone Not out At Base Near Drain Pipe Stone Not Be Extended
50' Lt		16.7	141.4
28' Lt		1.9	156.2
25.4 Lt		1.8	156.3
23' Lt		3.2	154.9
℄		2.8	155.3
23.2 Rt		3.2	154.9
25.5 Rt		1.7	156.4
28' Rt		1.7	156.4
50' Rt		14.6	143.5
78' Rt		31.9	126.2
	438+67		
74' Rt		29.1	129.0
50' Rt		14.5	143.6
28' Rt		1.4	156.7

158.12

255 Rt			1.3	156.8					
232 Rt			2.7	155.4					BP Cb in lot 437+12
℄			2.3	155.8	BM	123	167.55	166.32	
						↓ 438+50			
23 Lt			2.7	155.4	70' Rt			33.4	134.1
255 Lt			1.4	156.7	65' Rt			32.2	135.3
284 Lt			1.4	156.7	50' Rt			23.5	144.0
50' Lt			16.3	141.8	28 Rt			9.6	158.0
67 Lt			28.1	130.0 ✓	256 Rt			9.6	158.0
	↓ LW 438+60				233 Rt			11.0	156.6
62 Lt			24.1	134.0	℄			10.7	156.8
28 Lt			1.2	156.9	235 Lt			10.9	156.6
254 Lt			1.1	157.0	254 Lt			9.6	158.0
237 Lt			2.3	155.8	28 Lt			9.6	158.0
℄			2.1	156.0	59 Lt			31.0	126.6
23 Rt			2.4	155.7	62 Lt			31.2	136.3
253 Rt			1.0	157.1		↓ 438+35			
28 Rt			1.0	157.1	54 Lt			23.5	146.0
50 Rt			14.3	143.8	52 Lt			23.5	144.0
93 Rt			27.5	130.6	13 Lt			18.0	149.6
TP	10.83	168.33	0.62	157.50	28 Lt			8.3	159.3
BM			2.08	166.25 BP Cb in lot 437+12 166.32	254 Lt			8.2	159.3
					23 Lt			9.5	158.0
					℄			9.2	158.3
					23 Rt			9.6	157.9
					25 Rt			8.2	159.3
					28 Rt			8.2	159.3

167.55

41' Rt		15.2	152.3
54' Rt		21.3	146.2
	138+12		
55' Rt		18.9	148.6
50' Rt		15.7	151.8
38' Rt		13.3	154.2
28' Rt		7.4	160.1
25' Rt		7.3	160.2
22.7' Rt		8.8	158.7
℄		8.4	159.1
23.3' Lt		8.7	158.8
25.5' Lt		7.4	160.1
29' Lt		7.5	160.0
42' Lt		16.1	151.4
	138+0		
87' Lt		10.6	156.9
28.5' Lt		6.7	160.8
25.1' Lt		6.7	160.8
23' Lt		8.0	159.5
℄		7.6	160.0
23' Rt		8.1	159.5
25.3' Rt		6.6	161.0
28.5' Rt		6.7	160.8
39' Rt		12.5	155.0
50' Rt		12.7	154.8
55' Rt		15.6	152.0

167.55

137+90 = End of Shoulder on Lt

56' Rt		14.5	153.0
50' Rt		10.4	157.1
36' Rt		10.8	156.7
28' Rt		6.0	161.6
25' Rt		5.9	161.7
22.8' Rt		7.5	160.1
℄		7.0	160.6
23' Lt		7.5	160.1
26.4' Lt		6.2	161.4
30' Lt		6.0	161.6
	137+77		
36' Lt		+0.3	167.9
31' Lt		+0.7	168.3
25.4' Lt		6.6	161.0
22' Lt		6.2	161.4
℄		6.1	161.5
22.5' Rt		6.5	161.1
25' Rt		5.3	162.3
28' Rt		5.3	162.3
33' Rt		8.0	159.6
50' Rt		9.3	158.3
55' Rt		13.5	155.1
	137+75		
55' Rt		12.5	155.1
50' Rt		8.8	158.8

P.T. of Pitch + Dip Lt

167.55

33' Rt		7.6	160.0
28' Rt		5.2	161.4
25' Rt		5.1	162.5
22.4' Rt		6.4	161.2
℄		6.0	161.6
22' Lt		6.0	161.6
25' Lt		6.3	161.3
33' Lt		+2.2	169.8
	137+60.		
36' Lt		+12.1	179.7
25.7' Lt		5.5	162.1
22' Lt		5.2	162.4
℄		5.0	162.6
22' Rt		5.5	162.1
25.4' Rt		4.3	163.3
28' Rt		4.3	163.3
36.5' Rt		5.2	162.4
57' Rt		19.3	148.3
	137+50.		
6.5' Rt		22.0	145.6
57' Rt		21.6	146.0
40' Rt		13.4	155.2
29.1 Rt		3.8	163.8
25.9 Rt		3.7	163.9
23' Rt		4.9	162.7
℄		4.4	163.2

167.55

21.7 Lt		4.7	162.9
25.7' Lt		5.1	162.5
35.1' Lt		+16.0	183.6
	137+25.		
38' Lt		+14.7	182.3
34' Lt		+11.0	178.6
25.4' Lt		3.4	164.2
21.5 Lt		3.2	164.4
℄		3.1	164.5
25' Rt		3.7	163.9
21' Rt		2.3	165.3
28' Rt		2.5	165.1
37' Rt		7.9	159.7
48' Rt		17.0	150.6
50' Rt		17.5	150.1
	137+10	= End of Shoulder Rt	
31' Rt		2.1	165.5
28.8 Rt		0.9	166.7
21' Rt		1.4	166.2
23.5 Rt		2.7	164.9
20' Rt		2.3	165.3
℄		1.7	165.9
21' Lt		1.9	165.7
25 Lt		2.0	165.6
26.6 Lt		0.5	167.1
28.7 Lt		0.5	167.1

		167.55					178.52	
33.5 Lt			2.2	165.4		29.9 Rt		190.7
TP	1220	178.52	12.3	166.32	Levelled.			
	✓ 436+75			173.6		31 Rt		195.0
26 Lt			6.3	172.2		24.7 Rt	6.1	172.4
24 Lt			11.8	166.7		21.7 Rt	5.3	173.2
20 Lt			11.7	166.8		"	5.4	173.1
"			11.3	167.2		21.4 Lt	6.3	172.2
21.4 Rt			11.8	166.7		25' Lt	6.6	171.9
25' Rt			12.4	166.1		32.2 Lt		200.3
31.5 Rt			2.3	176.2		✓ 435+50		
	✓ 436+50			Note:- For Rt + Lt Tapered Set page 65		32.2 Lt		202.7
31.3 Rt				180.7		24.8 Lt	5.2	173.3
27' Rt			9.5	169.0		21.5 Lt	4.8	173.7
25' Rt			11.0	167.5		"	3.8	174.7
22.1 Rt			10.3	168.2		21' Rt	3.6	174.9
"			9.9	168.6		24.8 Rt	4.3	174.2
21.4 Lt			10.2	168.3	Note: For 436+25 See Page 64	31.8 Rt		199.4
24.4 Lt			10.6	167.9		✓ 435+276.0 Ec		
29 Lt				183.6		31.6 Rt		201.8
	✓ 436+0					25' Rt	2.8	175.7
31.8 Lt				197.7		21.6 Rt	2.0	176.5
25' Lt			8.0	170.5		"	2.1	176.1
21' Lt			7.6	170.9		21.4 Lt	2.4	175.1
"			6.9	171.6		25' Lt	2.9	174.6
21' Rt			7.0	171.5		32.5 Lt		205.6
25' Rt			7.9	170.6				

17852

↓ 434+00

32.5 Lt			206.5
24.5 Lt		2.2	176.3
20.7 Lt		1.8	176.7
℄		0.8	177.7
22' Rt		0.4	178.1
25' Rt		1.1	177.4
			200.8
31.7 Rt			
TP	18.56	19105 0.03	17849

↓ 434+75

32 Rt			198.2
25' Rt		11.9	179.1
22' Rt		11.3	179.7
℄		11.8	179.2
21' Lt		12.7	178.3
24.7 Lt		12.1	177.9
32 Lt			205.0

↓ 434+50

31.3 Lt			204.2
24.7 Lt		11.6	179.4
21' Lt		11.2	179.8
℄		10.3	180.7
21' Rt		9.5	181.5
25' Rt		10.6	180.4
32 Rt			194.1

19105

↓ 434+00

30' Rt		0.8	190.2 Notch — Formal ℄ Lt
25' Rt		9.5	181.5 Top of Cut See Page 65
21' Rt		8.4	182.6
℄		9.0	182.0
21' Lt		9.8	181.2
23.8 Lt		10.4	180.6
31.2 Lt			203.9

↓ 434+0 = End of Shoulder on Rt

31.2 Lt			196.3
25 Lt		7.9	183.1
21' Lt		7.9	183.1
℄		7.2	183.8
24' Rt		6.2	184.8
21' Rt		4.7	186.3
29' Rt		4.7	186.3
33' Rt		5.8	185.2

↓ 433+75

25' Rt		18.5	172.5 Notch
21' Rt		10.2	180.8 433+65 End of Shoulder on Lt
30' Rt		8.1	187.9
25' Rt		8.1	187.9
23.4 Rt		8.4	186.6
℄		5.6	185.4
24.5 Lt		4.2	184.7
33' Lt		2.8	188.5

1910.5

433+50

13' Lt	10.0	181.0
38.5' Lt	9.6	181.4
288' Lt	3.8	187.2
26' Lt	3.8	187.2
238' Lt	4.8	186.2
℄	4.0	187.0
23.4 Rt	3.1	187.9
25' Rt	1.6	189.4
28' Rt	1.6	189.4
38' Rt	8.4	182.6
50' Rt	15.7	175.3
63' Rt	24.0	167.0
72' Rt	29.0	162.0
BM	4.95	186.10

Lvl 433+50 186.10

Sec 1428 - 2

Final Cross Section
Top of Cut Right + Left Sta 434+0 to 436+50

191.05 Ft Fwd

TP	11.49	20227	0.27	190.78
		434+0		
31.2 Lt			6.0	196.3
TP	6.43	20770	1.00	201.27
		434+30		
31.2 Lt			3.8	203.9
		434+50		
31.3 Lt			3.5	204.2
½				
32 Rt			12.6	194.1
		434+75		
32 Rt			9.5	198.2
½				
32 Lt			2.7	205.0
		435+0		
32.5 Lt			1.2	206.5
31.7 Rt			6.9	200.8
		435+27½-EC		
31.6 Rt			5.9	201.8
32.5 Lt			2.1	205.6
		435+50		
32.2 Lt			5.0	202.7
31.8 Rt			8.3	199.4

207.70

435+75

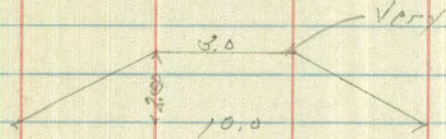
65

31' Rt			12.7	195.0
32.2 Lt			7.4	200.3
		436+0		
31.8 Lt			10.0	197.7
29.9 Rt			17.0	190.7
TP	0.12	19521	12.61	195.09
		436+50		
31.3 Rt			14.5	180.7
				EC Cut Stab
29' Lt			11.6	183.6

June 2-31

	198.32 ℄		
✓ 436+25	on Top		
30' Lt - Top Cut		5.8	192.5
30' R - Top Cut		12.0	186.3
	177.95 ℄		
✓ 436+25	Bottom		
25' Lt		8.6	169.1
22' Lt		8.1	169.6
℄		7.7	170.0
22' Rt		8.0	169.7
25' Rt		8.6	169.1

Note:- Berm on Right
From Sta 432+75 to 432+40



3.0 Wide on Top Approximate
10.0 " " Bottom "
1700.0' Long Including Pile of Dirt
South of Sta. 432+0

Levels For Proposed Bridge Torrey Pines
Station 40+02 to 40+76

					Sta 39+45
	0.80	178.90		178.10	
TP	0.70	161.74	12.86	161.04	
TP	0.60	149.52	12.82	148.92	
	39+92				
20' W of ℄			6.3		
8' W			18.7		
℄			12.7		
TP	1.80	138.66	12.66	136.86	Transit 138.44 1.24 126.81 0.93 137.74
10' E of ℄			7.6		
20' E " "			6.4		
	40+02				
20' E of ℄			21.7		
℄			14.7		
1' W of ℄			12.7		
10' W " "			6.9		
20' W " "			7.4		
	40+12				
20' W of ℄			16.9		
10' W " "			21.8		
℄			26.5		
7' E of ℄			32.5		
17' E "			35.5		
20' E " Bottom of Gulch			41.5		
	40+16				
20' W of ℄			27.0		

138.66

10' W of ℄			22.0		
℄			19.6		
13' E of ℄			18.1		
20' E " "			20.6		
	40+76				
20' E of ℄			13.2		
10' E " "			12.0		
℄			12.8		
10' W of ℄			15.3		
15' W " "			19.3		
20' W " "			20.6		
	40+86				
20' W of ℄			14.0		
10' W " "			10.2		
℄			7.9		
13' E of ℄			5.0		
20' E " "			9.5		
TP	11.01	147.65	2.02	136.64	
BM			4.14	143.51	Iron Pipe 100' E of 40+35 142.57
					100' E 39+50 201.94

12-3-29
Sisson
McHugh
Morton
Ramm

70

IMPROVED TABLES
AND
INFORMATION

2
439+50 – 121.2 left.

11.5
0.5
11. up
11.
22 up
1.1 Rod
21. edge fill

H.T.

62
41.0
21.

OK.

90' left.

11.5 – 431+50 out Natural ground
0.5
11.4 high.
7.9
18.7 H
5.0
13.7 fill top edge fill

18.7 HI
8.5
10.2

165.52
8.5
174.0
5.0
169.0

Elev.