

1433

TOPREY PINES MESA  
MONT.

1934

1934

1934

1934

1934

288+97.13 EC

371+00.71 BC

340+08.72 BC

Q 14. 371+26.24 00.02 RT

S 12. 394+00 02.15 LT

417+01.50 BC

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*ENGINEERING and DRAFTING SUPPLIES*  
IRVING PARK STATION  
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 L.R.H.

3-14-32  
 Moore 2  
 Sisson  
 Northern



Cross Section Torrey Pines Mesa Paving  
West of existing Paving

306+0 to 316+0 Torrey Pines Mesa Road Stationing  
Hub 84.5 W

M#3	10.10	445.29	435.19	312+62
TP	1.91	438.52	8.68	436.61

306+0

W. Edge Paving	11.69	426.83
2' W	11.7	426.8
8' W	11.8	426.7
10' W	11.3	427.2
20' W	11.0	427.5
30' W	10.9	427.6

306+50

W. Edge Paving	10.54	427.98
2' W	10.7	427.8
9' W	10.5	428.0
10' W	9.9	428.6
20' W	9.2	429.3
30' W	9.0	429.5

307+0

W. Edge Paving	8.80	429.72
2' W	8.9	429.6
8' W	9.0	429.5
10' W	7.9	430.6
20' W	7.3	431.2
30' W	7.0	431.5

307+50

Edge Paving	6.66	431.86
2' W	6.8	431.7
9' W	7.1	431.4
10' W	6.3	432.2
15' W	4.8	433.7
20' W	5.0	433.5
30' W	4.7	433.8

BK 1433

Indexed  
C.S.K.

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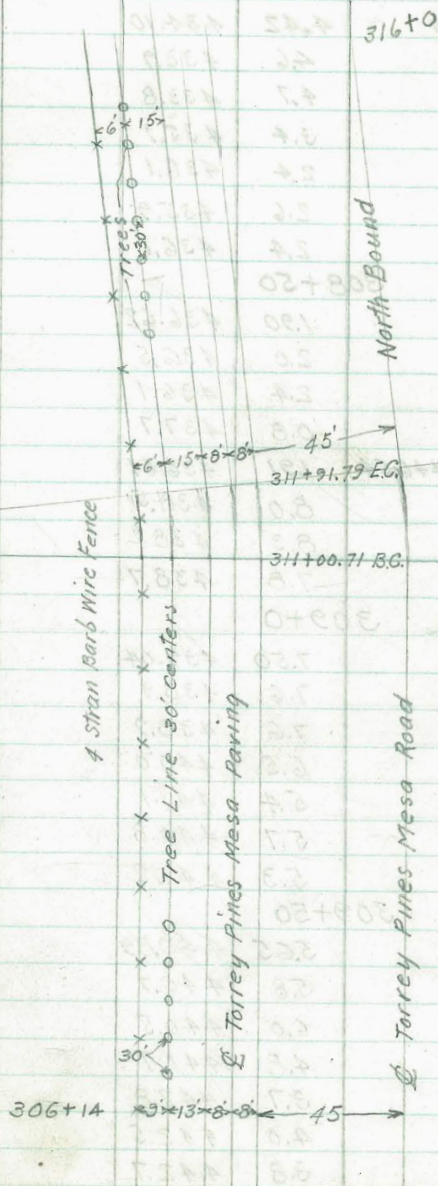
3-15-32 L.B.H.

3-14-32

Moore 2

Sisson

Northern





438.52

308+0

West Edge Paving	4.42	434.10
2' W	4.6	433.9
9' W	4.7	433.8
10' W	3.4	435.1
15' W	2.4	436.1
20' W	2.6	435.9
30' W	2.4	436.1

308+50

W. Edge Paving	1.90	436.62
2' W	2.0	436.5
8' W	2.4	436.1
10' W	0.8	437.7
TP	3.93	446.54
15' W	1.91	436.61
20' W	8.0	438.5
30' W	8.3	438.2
	7.8	438.7

309+0

W. Edge Paving	7.50	439.04
2' W	7.6	438.9
9' W	7.6	438.9
10' W	6.5	440.0
15' W	5.4	441.1
20' W	5.7	440.8
30' W	5.3	441.2

309+50

W. Edge Paving	5.65	440.89
2'	5.8	440.7
9'	6.0	440.5
10'	4.8	441.7
15'	3.7	442.8
20'	4.0	442.5
30'	3.8	442.7

446.54

310+0

W Edge Paving	4.40	442.14
2' W	4.5	442.0
9' W	4.6	441.9
10' W	3.8	442.7
15' W	2.8	443.7
20' W	3.3	443.2
30' W	3.1	443.4

310+50

W Edge Paving	3.81	442.73
2' W	3.9	442.6
9' W	4.0	442.5
10' W	3.0	443.5
20' W	3.2	443.3
30' W	3.5	443.0

311+00.71

W Edge Paving	4.03	442.51
2' W	4.2	442.3
8' W	4.4	442.1
10' W	3.8	442.7
20' W	4.2	442.3
30' W	4.8	441.7

opp 311+50

W Edge Paving	5.03	441.51
2' W	5.3	441.2
8' W	5.8	440.7
10' W	5.6	440.9
20' W	6.1	440.4
30' W	6.6	439.9

311+91.79 opp EC

W Edge Paving	6.66	439.88
2' W	6.9	439.6
8' W	7.4	439.1
10' W	6.9	439.6



446.54

20' W		7.6	438.9
30' W		8.1	438.4
312+0			
W Edge Paving		7.07	439.47
2' W		7.3	439.2
8' W		7.7	438.8
10' W		7.3	439.2
20' W		7.8	438.7
30' W		8.2	438.3
312+50			
W Edge Paving		9.75	436.79
2' W		9.9	436.6
8' W		10.4	436.1
10' W		9.8	436.7
20' W		10.3	436.2
30' W		11.1	435.4
313+0			
W Edge Paving		12.57	433.97
2' W		12.9	433.6
9' W		13.3	433.2
10' W		12.5	434.0
20' W		13.0	433.5
30' W		14.3	432.2
TP	0.40	433.97	12.97
313+50			
W Edge Paving		2.98	430.99
2' W		3.2	430.8
8' W		3.7	430.3
10' W		3.2	430.8
20' W		4.9	429.1
30' W		5.9	428.1

433.97

314+0

W Edge Paving		5.97	428.00
2' W		6.1	427.9
10' W		6.9	427.1
20' W		8.5	425.5
30' W		9.9	424.1
314+50			
W Edge Paving		8.83	425.14
2'		8.9	425.1
8'		8.9	425.1
10'		9.8	424.2
20'		11.7	422.3
30'		12.3	421.7
315+0			
W. Edge Paving		11.27	422.70
2' W		11.4	422.6
10' W		11.8	422.2
15' W		13.5	420.5
20' W		13.6	420.4
30' W		14.2	419.8
315+50			
W Edge Paving		12.69	421.28
2' W		12.7	421.3
10' W		13.3	420.7
15' W		14.4	419.6
20' W		14.5	419.5
30' W		15.6	418.4
316+0			
W. Edge Paving		13.20	420.77
2' W		13.4	420.6
10' W		14.0	420.0
15' W		15.0	419.0
20' W			
30' W			



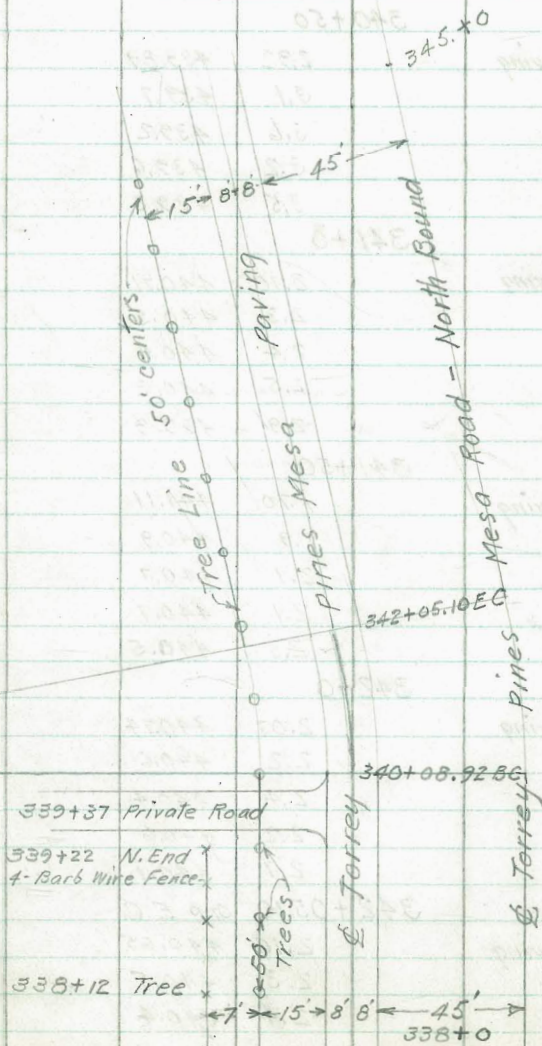
Cross Section Torrey Pines Mesa Paving  
West of existing Paving.

338+0 to 345+0 Torrey Pines Mesa Stationing.

B.M.#5	8.13	442.81	434.68	13.0' 11.8' W 338+96
338+0				
W. Edge Paving		11.63	431.18	11.01
2' W		11.8	431.0	11.02
10' W		11.9	430.9	11.02
20' W		11.7	431.1	
30' W		11.7	431.1	
338+50				
W. Edge Paving		9.83	432.98	
2' W		10.0	432.8	
10' W		10.3	432.5	
20' W		9.9	432.9	
30' W		9.9	432.9	
339+0				
W. Edge Paving		8.04	434.77	
2' W		8.2	434.6	
10' W		8.5	434.3	
20' W		8.2	434.6	
30' W		8.3	434.5	
339+50				
W. Edge Paving		6.26	436.55	
2' W		6.4	436.4	
10' W		6.7	436.1	
20' W		6.7	436.1	
30' W		6.9	435.9	
340+0				
W. Edge Paving		4.40	438.41	
2' W		4.6	438.2	
10' W		5.1	437.7	
20' W		4.7	438.1	
30' W		4.9	437.9	

Torrey Pines Mesa Paving

8





442.81

340+08.92 = opp BC

W. Edge Paving	4.10	438.71
2' W	4.4	438.4
10' W	4.8	438.0
20' W	4.4	438.4
30' W	4.7	438.1

340+50

W. Edge Paving	2.92	439.89
2' W	3.1	439.7
10' W	3.6	439.2
20' W	3.2	439.6
30' W	3.5	439.3

341+0

W. Edge Paving	2.10	440.71
2' W	2.3	440.5
10' W	2.4	440.4
20' W	2.5	440.3
30' W	2.9	439.9

341+50

W. Edge Paving	1.70	441.11
2' W	1.9	440.9
10' W	2.1	440.7
20' W	2.1	440.7
30' W	2.3	440.5

342+0

W. Edge Paving	2.07	440.74
2' W	2.2	440.6
10' W	2.4	440.4
20' W	2.2	440.6
30' W	2.7	440.1

342+05.10 opp E.C.

W. Edge Paving	2.16	440.65
2' W	2.3	440.5
10' W	2.4	440.4

442.81

20' W	2.5	440.3
30' W	3.0	439.8

342+50

W. Edge Paving	2.80	440.01
2' W	3.0	439.8
10' W	3.3	439.5
20' W	3.2	439.6
30' W	3.9	438.9

343+0

W. Edge Paving	3.55	439.26
2' W	3.7	439.1
10' W	3.9	438.9
20' W	3.7	439.1
30' W	4.6	438.2

343+50

W. Edge Paving	4.18	438.63
2' W	4.3	438.5
10' W	4.6	438.7
20' W	4.7	438.1
30' W	4.8	438.0

344+0

W. Edge Paving	4.92	437.89
2' W	5.1	437.7
10' W	5.3	437.5
20' W	5.3	437.5
30' W	5.6	437.2

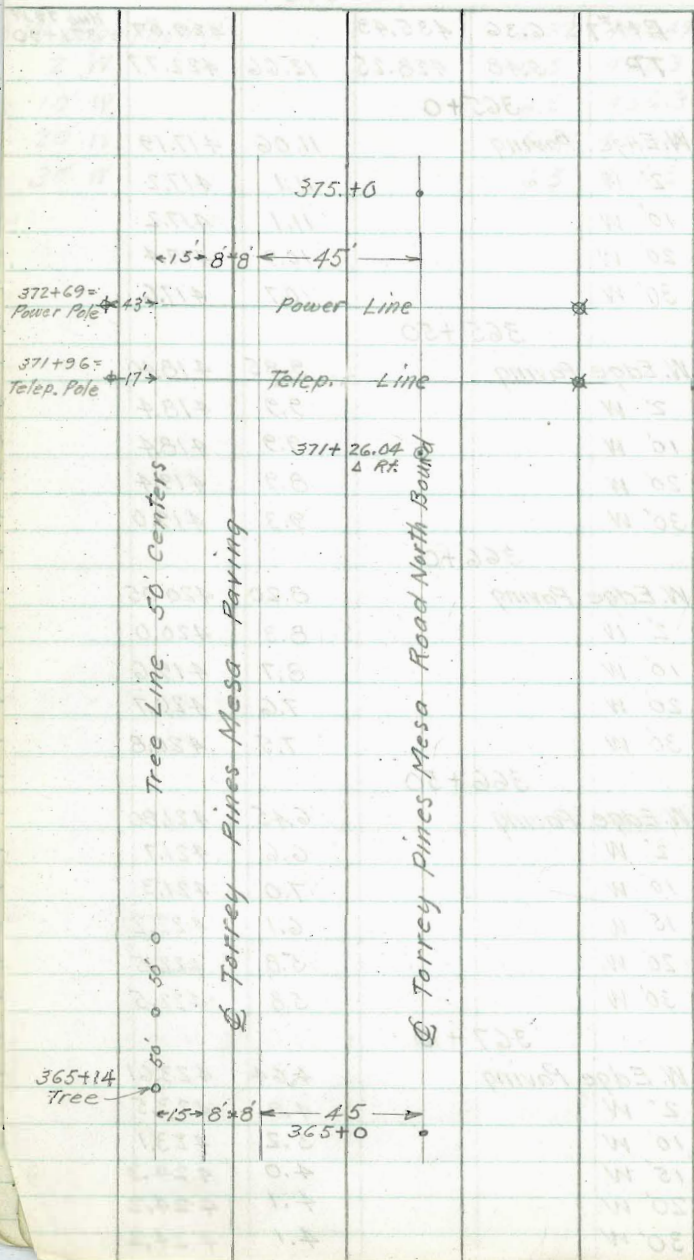
344+50

W. Edge Paving	5.64	437.17
2' W	5.8	437.0
10' W	5.9	436.9
20' W	5.4	437.4
30' W	6.0	436.8









428.25  
367+50

W. Edge Paving		2.67	425.58
2' W		2.8	425.5
10' W		2.3	426.0
15' W		2.2	426.1
20' W		2.0	426.3
30' W		2.3	426.0

368+0

W. Edge Paving		0.86	427.39	
2'		1.1	427.2	
10'		1.6	426.7	
12'		0.4	427.9	
TP	10.12	437.51	0.86	427.39
20'		9.4	428.1	
30'		9.5	428.0	

368+50

W. Edge Paving		8.30	429.21
2' W		8.5	429.0
9' W		8.9	428.6
10' W		7.8	429.7
20' W		7.7	429.8
30' W		7.8	429.7

369+0

W. Edge Paving		6.48	431.03
2' W		6.5	431.0
10' W		6.9	430.6
15' W		6.2	431.3
20' W		6.3	431.2
30' W		6.5	431.0

369+50

W. Edge Paving		4.75	432.76
2' W		4.7	432.8
10' W		5.2	432.3
15' W		4.8	432.7



437.51

20' W		5.1	432.4
30' W		5.1	432.4
	370 +0		
W. Edge Paving		3.80	433.71
2' W		3.9	433.6
10' W		4.2	433.3
12' W		3.8	433.7
20' W		4.1	433.4
30' W		4.4	433.1
	370 +50		
W. Edge Paving		4.02	433.49
2' W		4.2	433.3
10' W		4.4	433.1
15' W		4.2	433.3
20' W		4.5	433.0
30' W		4.8	432.7
	371 +0		
W. Edge Paving		5.00	432.51
2' W		5.1	432.4
8' W		5.6	431.9
10' W		4.6	432.9
20' W		5.2	432.3
30' W		5.6	431.9
	371+26.04 opp Δ		
W. Edge Paving		5.93	431.58
2' W		6.0	431.5
8' W		6.3	431.2
10' W		5.5	432.0
20' W		5.9	431.6
30' W		6.4	431.1

437.51

371+50

W. Edge Paving		6.88	430.63
2' W		6.9	430.6
8' W		7.2	430.3
10' W		6.2	431.3
20' W		6.7	430.8
30' W		7.1	430.4
	372 +0		
W. Edge Paving		8.93	428.58
2' W		9.0	428.5
8' W		9.3	428.2
10' W		8.3	429.2
20' W		8.7	428.8
30' W		9.2	428.3
	372 +50		
W. Edge Paving		11.00	426.51
2' W		11.1	426.4
8' W		11.5	426.0
10' W		10.5	427.0
20' W		11.0	426.5
30' W		11.4	426.1
TP	3.37	427.93	12.95
	373 +0		
W. Edge Paving		3.37	424.56
2' W		3.5	424.4
8' W		4.1	423.8
10' W		3.1	424.8
20' W		4.0	423.9
30' W		4.2	423.7
	373 +50		
W. Edge Paving		5.39	422.54
2' W		5.5	422.4
9' W		6.2	421.7
10' W		5.4	422.5



427.93

20' W	52.054	58.3		6.4	421.5
30' W	5.054	6.3		7.0	420.9
	5.054	374+0			W 8
W. Edge Paving		5.3		7.38	420.55
2' W	8.054	7.3		7.5	420.4
9' W	4.054	1.5		8.2	419.7
10' W			0+	7.5	420.4
20' W	82.834	29.8		8.8	419.1
30' W	2.834	0.8		9.4	418.5
	2.834	374+50			W 8
W. Edge Paving		5.8		9.40	418.53
2' W	8.834	7.8		9.4	418.5
9' W	4.834	5.8		10.1	417.8
10' W			02+	9.7	418.2
15' W	12.834	10.1		11.0	416.9
20' W	2.834	1.1		11.4	416.5
30' W	0.834	2.1		12.1	415.8
	0.834	375+0			W 8
W. Edge Paving		0.11		11.57	416.56
2' W	1.534	2.11		11.4	416.5
10' W	22.534	22.81	22.534	12.2	415.7
15' W			0+	13.5	414.4
20' W	22.534	22.81		14.2	413.7
30' W	2.534	2.81	04-099	14.8	413.1
	2.534	1.8			W 8
	2.534	1.8			W 10
	2.534	0.8			W 10
	2.534	2.8			W 10
			02-515		W 10
	2.534	2.8			W 10
	2.534	2.8			W 10
	2.534	2.8			W 10



Transition Curve bet Rose Canyon

& Torrey Pines Mesa Rds.

10-5-31  
Miller  
Walker  
Bliss

Rose Canyon Line  
Belt  
culvert W of Italian  
Villa.

79  
New Alignment

B.M.	8.56	403.54		394.98
T.P.	3.23	398.92	7.85	395.69

278+75 <sup>87</sup> P.C.

20.1 W. of  $\phi$  = W. pav. 9.58 789.34

$\phi$  9.40 89.52

10.6 of  $\phi$  = E. pav. 9.48 89.44

+17 E 9.7 89.2

+18 E 9.3 89.6

+20 E 9.5 89.4

+22.6 E W. line of Trees 9.7 89.2

+30 E 13.9 85.0

+35 E 13.9 85.0

279+00

35 E 12.6 86.3

30 E 12.6 86.3

23 E 8.9 90.0

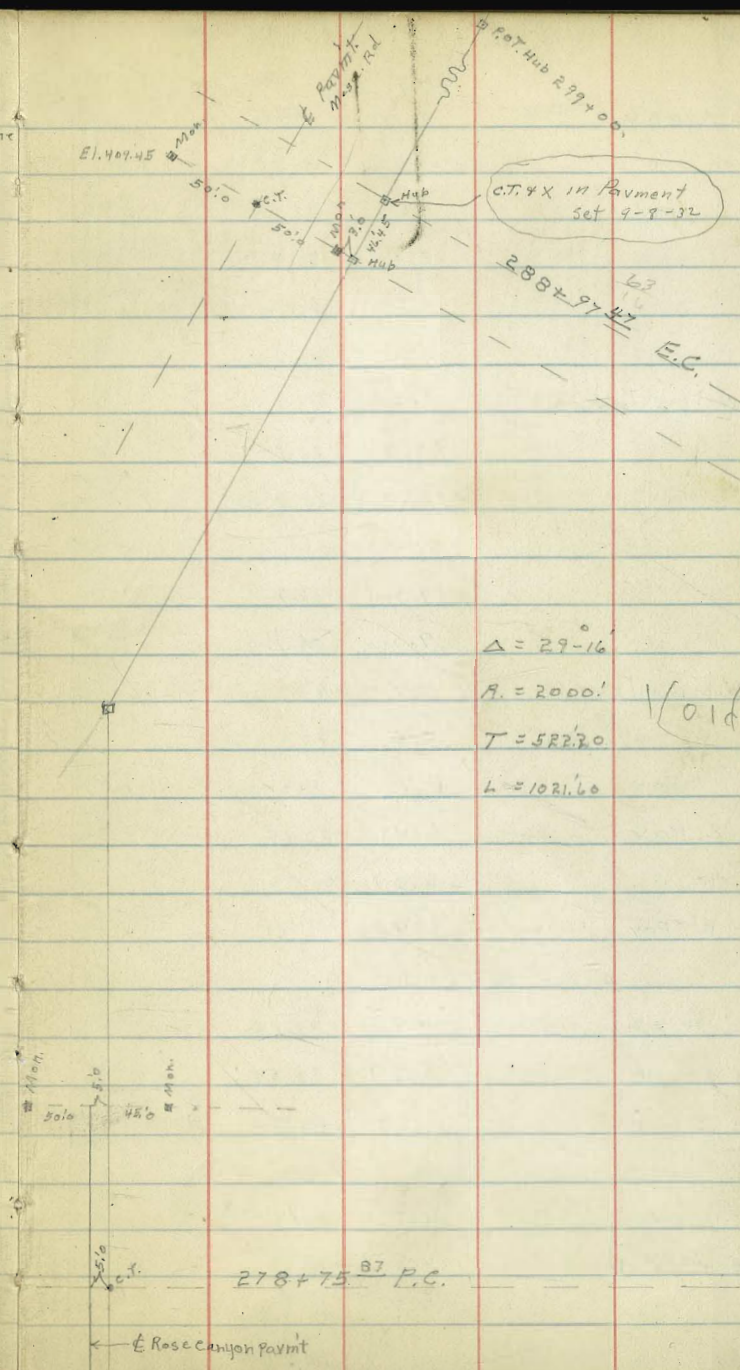
18 E 8.7 90.2

17 E 9.2 89.7

9.9 E = E. pav 8.87 90.05

$\phi$  8.80 90.12

20.1 W = W. pav. 8.96 89.96





398.92

279.450

21.4 W = W. Pav.  
 ♀ on "  
 8.6 E = E. Pav  
 16 E  
 17 E  
 20 E  
 22 E W. Line Trees  
 25 E  
 22 E  
 35 E

7.70 91.2  
 7.56 91.30  
 7.68 91.24  
 8.1 90.9  
 6.7 92.2  
 7.2 91.7  
 7.2 91.7  
 10.3 88.6  
 10.0 88.9

280+00

35 E  
 25 E  
 20 E W. Line Trees  
 16 E  
 14 E  
 6 E = E. Pav  
 ♀ on "  
 24 W = W. Pav

9.2 89.7  
 9.2 89.7  
 5.7 93.2  
 5.5 93.4  
 6.7 92.2  
 6.47 92.45  
 6.39 92.53  
 6.40 92.52

2880+50

27.7 W = W. Pav  
 ♀ on "  
 2.2 E = E "  
 10 E  
 11 E  
 17 E = W. Line Trees  
 20 E

4.93 93.99  
 5.34 93.58  
 5.38 93.54  
 5.7 93.2  
 4.7 94.2  
 4.5 94.4  
 6.8 92.1

Torney Pines Mesa.

398.92

38

30 E  
 30 E  
 20 E  
 18 W. Line Trees  
 8 E  
 6 E  
 ♀  
 2.5 W = E. Pav  
 32.6 W = W "

6.9 92.0  
 281+00  
 4.0 94.9  
 4.0 94.9  
 3.3 95.6  
 3.7 95.2  
 4.8 94.1  
 4.5 94.4  
 4.43 94.49  
 3.56 95.36

281+12

♀  
 5 E  
 10 E  
 20 E  
 30 E

4.4 94.5  
 4.7 94.2  
 4.2 94.7  
 2.5 96.4  
 2.2 96.7

281+15 S. Side Linda Vista Rd.

30 E  
 20 E  
 10 E  
 5 E  
 ♀

2.8 96.1  
 3.3 96.6  
 4.2 94.7  
 4.5 94.4  
 4.4 94.5

281+40 N. Side Linda Vista Rd.

♀  
 10 E  
 20 E  
 30 E

4.0 94.9  
 3.6 95.3  
 2.9 96.0  
 3.4 95.5



398.92

281+45

30' E		1.8	97.1
20' E		2.0	96.9
14' E. Eucalyptus	14" Diam.	1.5	97.4
10' E		2.1	96.8
5' E		2.2	96.7
4' E		3.7	95.2
ϕ		4.0	94.5
T.P.	10.80	406.49	3.23 395.69

281+50

37.8 W = W. Pav.		9.98	96.51
7.6 W = E. Pav.		11.09	95.40
ϕ		11.6	94.9
3' E		11.5	95.0
4' E		9.7	96.8
10' E		9.3	97.2
20' E		9.4	97.1
30' E		9.1	97.4

282+00

30' E		7.8	98.7
23.3 E. N+S. Fence. B.W.		7.9	98.6
20' E		8.0	98.5
10' E		7.9	98.6
ϕ		8.1	98.4
2 W		10.9	95.6
12.4 W = E. Pav.		10.28	96.21
42.5 W = W. "		9.07	97.42

406.49

Turrey Pines Mesa.

48

282+50

46.7 W = W. Pav.		8.18	98.31
16.7 W = E. "		9.49	97.00
7' W		10.1	96.4
5' W		6.4	400.1
ϕ		6.4	400.1
10' E		6.3	400.2
20' E		6.2	400.3
23.9 E = N+S. B.W. Fence		6.0	400.5
30' E		5.9	400.6

283+00

30' E		4.1	402.4
23.2 N+S. B.W. Fence		4.1	402.4
20' E		4.2	402.3
10' E		4.5	402.0
ϕ		4.5	402.0
8' W		4.5	402.0
10' W		9.3	97.7
20' W = E. Pav.		8.66	97.83
50.4 W = W. "		7.47	99.02
53.7 W = W. Pav.		6.72	399.77
23.7 W = E. "		7.86	98.63
14' W		8.4	98.1
11' W		3.5	403.0
10' W		3.5	403.0
ϕ		3.2	403.3

283+50



406.49

283+50 (con)

10' E	3.2	403.3
20' E	3.2	403.3
21.5 E = B.W. Fence	3.1	03.4
	3.0	03.5
284+00		
30' E	2.6	03.9
20' E	2.9	03.5
18.5 E = B.W. Fence	2.9	03.5
10' E	3.2	03.3
⊕	3.4	03.1
10' W	3.5	03.0
14' W	3.6	02.9
17' W	7.8	98.2
26.6 W = E. Pav	7.11	98.38
56.6 W = W. "	5.90	400.59
284+50		
59' W = W. Pav	5.11	401.38
29' W = E "	6.30	400.19
19' W	7.1	399.4
17' W	3.9	402.6
10' W	3.9	02.6
⊕	3.9	02.6
10' E	3.8	02.7
14.3 E = B.W. Fence	3.5	03.0
20' E	3.5	03.0
30' E	3.2	03.3

406.49

Torrey Pines Mesa

285+00

30' E	3.9	02.6
20' E	4.2	02.3
10' E	4.3	02.2
9' E = B.W. Fence	4.3	02.2
⊕	4.3	02.2
10' W	4.3	02.2
17' W	4.4	02.1
20' W	4.4	02.1
21' W	6.2	00.3
30.9 W = E. Pav	5.51	400.98
60.9 W = W. "	4.33	402.16
285+50		
62.3 W = W. Pav	3.55	02.94
32.3 W = E "	4.75	01.74
22' W	5.6	00.9
21' W	4.6	01.9
17' W	4.7	01.8
10' W	4.8	01.7
⊕	4.6	01.9
2' E = B.W. Fence	4.7	01.8
10' E	4.8	01.7
20' E	4.5	02.0
30' E	4.3	02.2

5

8



406.49

286+00

30' E	3.9	02.6
20' E	4.1	02.4
10' E	4.4	02.1
ϕ	4.4	02.1
3' W = B.W. Fence	4.3	02.2
10' W	4.3	02.2
17' W	4.0	02.5
23' W	3.8	02.2
24' W	4.6	01.9
33.4 W = E. pav.	3.92	02.57
63.5 W = W. "	2.77	03.72

286+50

64.1 W = W. pav.	1.88	04.61
34.1 W = E. "	3.09	03.40
25' W	3.7	02.8
24' W	3.1	03.4
17' W	3.2	02.3
10' W	3.5	02.0
6' W = B.W. Fence	3.0	02.5
ϕ	3.1	02.4
10' E	2.8	03.7
20' E	2.2	03.9
30' E	2.2	04.3
T.P.	9.89	415.95
	0.43	406.06

415.95

287+00

30' E	9.5	06.5
20' E	9.9	06.1
10' E	10.3	05.7
ϕ	10.7	05.3
6' W = B.W. Fence	10.8	05.2
10' W	11.1	04.9
17' W	11.2	04.8
24' W	11.3	04.7
25' W	11.9	04.1
34.1 W = E. pav.	11.41	04.54
64.1 = W "	10.23	05.72

287+50

63.8 W = W. Pav	8.95	07.00
33.8 W = E. "	10.04	05.81
23' W	10.3	05.65
22' W	8.9	07.1
17' W	8.8	07.2
10' W	8.7	07.3
5' W = B.W. Fence	8.4	07.6
ϕ	8.4	07.6
10' E	7.9	08.1
20' E	7.4	08.6
30' E	7.0	09.0

Torrey Pines Mesa

6

8



415.95

288+0.0

30' E		4.6	11.4
20' E		5.1	10.9
10' E		5.5	10.5
±		5.9	10.1
4.7' W = B.W. Fence		6.0	10.0
10' W		6.3	09.7
17' W		6.7	09.3
21' W		6.7	09.3
24' W		9.0	09.0
33.0' W = E. Pav.		8.52	09.43
62.8' W = W "		7.44	08.51
	288+50		
61.7' W = W. Pav		5.89	10.06
31.8' W = E. "		6.59	09.36
24' W		6.9	09.1
21' W		4.8	11.2
17' W		4.6	11.4
10' W		4.3	11.7
4.3' W = B.W. Fence		3.8	12.2
±		3.7	12.3
10' E		3.3	12.7
20' E		3.1	12.9
30' E		2.5	13.5

Notes: Reduced AFB 10-9-31

415.95

288+97.47 E.C.

Trey, Pine, Mesa

30' E		1.4	14.6
20' E		2.0	14.0
10' E		2.3	13.7
±		3.0	13.0
3' W = B.W. Fence		3.0	13.0
10' W		3.1	12.9
17' W		3.1	12.9
24' W		3.5	12.5
25' W		5.3	10.7
33.8' W = E. Edge asphalt pav.		4.96	10.99
44.8' W = E " 16' strip to N		4.96	10.99
60.8' W = W " " " "		4.99	10.96
B.M. 1 Men		6.85	409.60

103' W. E. New, Paved  
 Pine, Mesa Rd.  
 Sta. 288+51.27  
 409.60

78



Culverts Torrey Pines Mesa 10-7-31

Culvert #1

Miller  
Walker  
Bliss  
Hub. 83.7 W. E  
Sta 298+00

B.M. #2	1.46	428.94	427.48
T.P.	1.73	417.75	416.02

Sta 295+50 at 90°00

45' W = E. edge Pav	2.00	415.75
35' W	2.4	415.4
31' W	3.5	414.3
20' W	4.3	413.5
φ	5.1	412.7
20' E	6.1	411.7
40' E	7.1	410.7

Culvert #2

B.M. #2	5.25	432.73	427.48	HUB
T.P.	3.29	427.33	424.04	
35' W of φ = E. End. outlet of Ex. 10	3.81	423.52	423.52	P.L.

Sta 305+15 at 90°00

45' W = E. Edge Pavmt.	1.28	<del>425</del>	426.05
35' W	2.5	424.8	
33' W	3.3	424.0	
15' W	5.0	422.3	
φ	5.6	421.7	
20' E	7.1	420.2	
40' E	8.8	418.5	

Culvert #3

B.M. #3 Hub.	0.60	435.69	435.09	Sta 312+62
T.P.	1.03	424.04	423.01	

Sta. 316+10 at 90°00

45.8 W = E. Pav.	3.44	420.60	
35' W	3.5	420.5	
33' W	4.1	419.9	
20' W	4.3	419.7	
φ	4.9	419.1	
20' E	5.2	418.8	
40' E	6.0	418.0	
T.P.	0.65	421.90	421.25

Culvert #4

Sta 322+75 at 90°00

45.3 W = E. Pav.	5.27	416.63	
37' W	6.1	415.8	
34' W	7.8	414.1	
20' W	9.5	412.4	
φ	11.2	410.7	
20' E	13.0	408.9	
40' E	14.7	407.2	
T.P.	7.72	429.62	421.90
B.M. #4 Hub out			30.6 W of φ
Replaced Bent Nail in Tree	3.15	426.47	Sta 326+10
T.P.	1.47	424.70	423.23



Culvert #5

424.70

Sta 332+88 at 90°-00

45.2' W = E. Pav.	1.85	422.85
34' W.	2.6	422.1
33' W = C. End. outlet	3.92	420.88
20' W	5.2	419.5
⊥	6.1	418.6
20' E	8.0	416.7
40' E	9.0	415.7

Sta 333+00

40' E	9.6	
20' E	8.4	
⊥	6.4	
20' W	5.0	
30' W	4.0	

Sta 333+20

30' W	3.9	
20' W	4.7	
⊥	7.0	
20' E	8.9	
40' E	10.8	

T.P. 13.08 437.22 0.51 424.19

CHK BM#5 N.E. Pier

Mary Tower 2.60 434.58:434.68

T.P. 8.85 444.28 1.79 435.43

T.P. 0.45 436.14 8.59 435.69

T.P. 0.48 424.44 12.18 423.96

T.P. BM. 6 Hub 6.86 417.58

110' W of  
Sta 338496  
86' S W of  
Sta 356+69  
417.68

Plotted H.E.B. 10-8-31

Culvert #6

424.44

Sta 356+00 at 90°-00

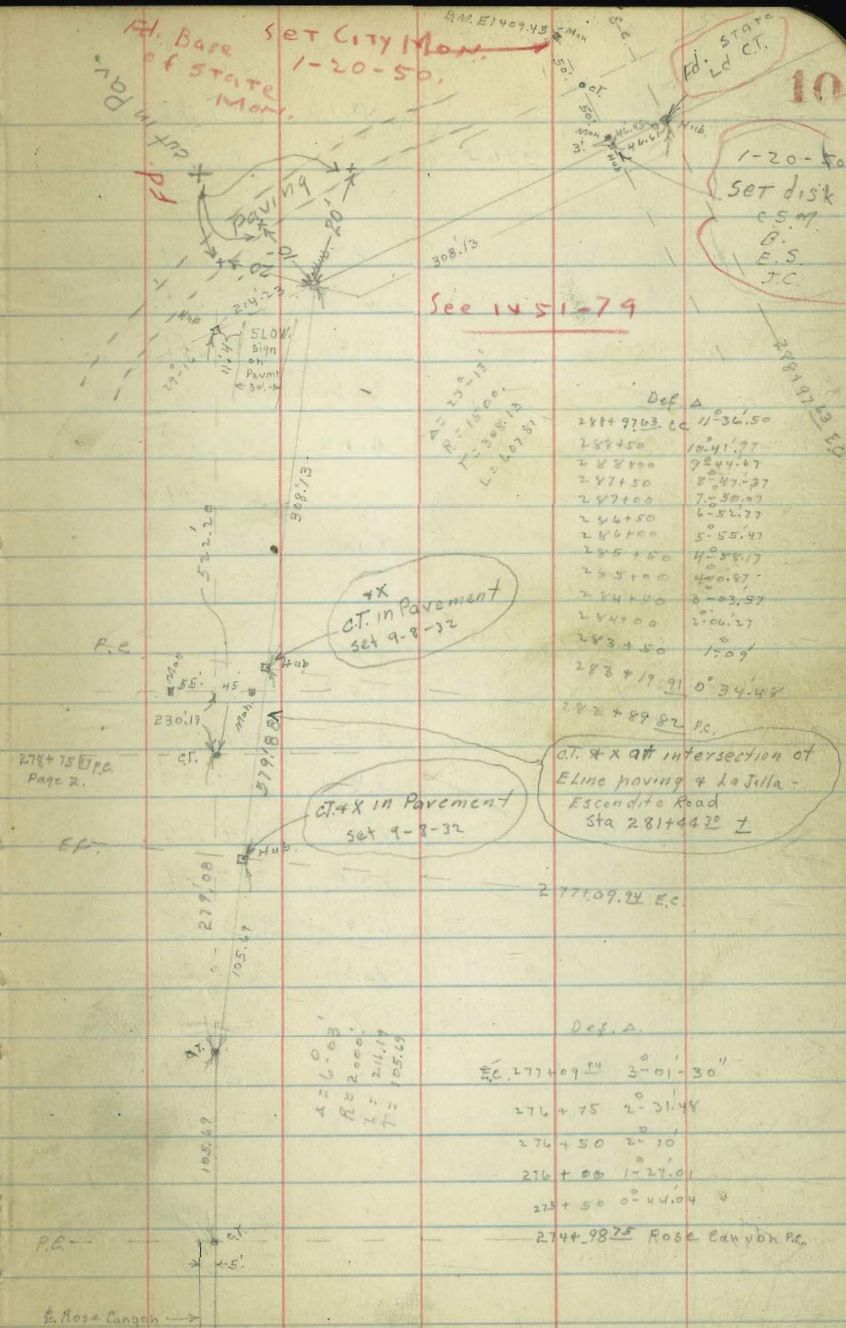
45.4' W = E. Pav	9.22	415.22
40' W	9.9	414.5
30' W	10.9	413.5
20' W	11.6	412.8
⊥	13.2	410.2
20' E	14.7	409.7
40' E	16.5	407.9

BM. #6 13.24 430.82 417.58  
T.P. 13.14 417.68

continued Book 1425-P 71.



Shading		Transition	Bet. Rose Canyon + Torrey Pines Mesa	10-26-51 Miller Walker 10.110
T.P. Page 2,	0.50	396.19		395.69
T.P.	2.33	389.81	8.71	387.48
	sta	274+78.75	P.C.	
20' W = W Pav		10.73		379.08
10' W		10.62		379.19
4		10.53		379.28 ✓
10' E = E Pav		10.58		379.23
20' E		11.2		378.61
21' E		9.1		380.71
30' E		9.2		380.61
		275+50		
30' E		9.7		380.11
20' E		9.8		380.01
15' E		9.4		380.41
9.3' E = E Pav		9.04		380.77
4		8.95		380.86
10' W		9.00		380.81
20.7' W = W Pav		9.10		380.71
		276+00		
22.6' W = W Pav		7.64		382.17
10' W		7.54		382.25
4		7.53		382.28
7.4' E = E Pav		7.63		382.18
10' E		8.0		381.81
14' E		8.3		381.51
20' E		8.6		381.21





389.81

30' E

8.7

381.11

276+50

30' E

7.1

382.71

20' E

6.9

382.91

15' E

6.8

383.01

14' E

7.4

382.41

10' E

6.6

383.21

4.2 E = E. pav

6.22

383.59

E

6.17

383.64

10' S

6.28

383.53

25.8 W = W. pav

6.25

383.56

276+75

27.9 W = W. pav

5.55

384.26

10' W

5.48

384.33

E

5.54

384.27

2.2 E = E. pav

5.57

384.24

8' E

6.10

383.81

10' E

6.4

383.01

11' E

7.3

382.51

13' E

6.8

383.01

20' E

7.1

382.71

30' E

7.4

382.41

277+09<sup>74</sup> E.C.

30' E

7.1

382.21

20' E

7.3

382.51

16' E

6.9

382.91

389.81

Torrey Pines Mesa

11

13' E

4.9

384.91

10' E

4.9

384.91

9' E

4.9

384.91

8' E

6.3

383.51

6' E

5.4

384.41

E

4.7

385.11

1.2 W = E. pav.

4.71

385.10

10' W

4.63

385.18

31.2 W = W. pav.

4.70

385.11

277+50

35.6 W = W. pav

3.72

386.09

10' W

3.63

386.18

5.6 W = E. pav.

3.70

386.11

E

3.9

385.91

1' E

4.0

385.81

3' E

4.7

385.11

5' E

3.5

386.31

10' E

5.0

384.81

12' E

7.2

382.61

20' E

7.6

382.21

30' E

8.0

381.81

277+75

30' E

8.1

381.71

20' E

7.8

382.01

10' E

7.3

382.51

2' E

8.0

386.81



389.81

277+75 con.

1' E	3.0	386.81
ϕ	3.8	386.01
1' W	3.4	386.41
8.3 W = E pav.	3.07	386.74
23.3 W	3.02	386.79
38.3 W = W pav	3.12	386.69

278+00

40.8 W = W pav	2.49	387.32
25.8 W	2.36	387.45
10.8 W = E pav	2.44	387.37
5' W	2.7	387.11
4' W	3.1	386.71
3' W	2.5	387.31
ϕ	2.2	387.61
4 E	3.4	386.01
8 E	7.0	382.81
10 E	7.0	382.81
20 E	7.1	382.71
30 E	7.4	382.41

278+20.29

18" Cmt Pipe  
Culvert

4' E of ϕ = E. End. outlet

6.97 382.84

F.L.

278+50

30' E	6.2	383.61
20' E	5.8	384.01
10' E	5.4	384.41
4' E	5.2	384.61

389.81

Turkey Pines Mesa

12

ϕ	2.6	387.21
4' W	1.4	388.41
7' W	1.3	388.51
9' W	2.1	387.71
11' W	1.5	388.31
16' W = E pav	1.21	388.60
31' W	1.10	388.71
46' W = W pav	1.26	388.55

278+75

48.7 W = W pav	0.62	389.19
33.7 W	0.50	389.31
18.7 W = E pav	0.56	389.25
13' W	0.8	389.01
12' W	1.5	388.31
10' W	0.5	389.31
6' W	0.7	389.11
ϕ	5.1	384.71
10' E	5.4	384.41
20' E	5.4	384.41
30' E	5.4	384.41

279+00

30' E	3.9	385.91
20' E	4.3	385.51
10' E	4.4	385.41
ϕ	4.3	385.51
3' W	4.3	385.51
T.P.	9.91	389.36
	0.36	389.45



399.36		279+00 (con)	
8' W	7.4	389.96	±
10' W	9.4	389.96	10' W
13' W	9.4	389.96	16' W
14' W	10.5	388.86	20' W
15' W	7.8	389.56	22' W
21.3 W = E. pav	9.51	389.85	23' W
36.3	9.39	389.97	29.3 W = E. pav
51.3 W = W u	9.52	389.84	

279+25		-31.9 ul = E. pav	
54' W = W pav	8.90	390.46	27' W
39' W	8.80	390.56	26' W
24' W = E. pav	8.90	390.46	25' W
18' W	9.1	390.26	20' W
17' W	9.6	389.76	18' W
16' W	8.2	391.16	12' W
11' W	8.4	390.96	10' W
10' W	9.0	390.36	±
5' W	11.6	387.76	10' E
±	11.9	387.46	20' E
10' E	11.8	387.56	30' E
20' E	11.5	387.86	
30' E	11.4	387.96	

279+75		280+50	
30' E	7.4	391.96	30' E
20' E	8.0	391.36	20' E
10' E	8.8	390.56	10' E
			±
			10' W

399.36		280+00	
7.6	389.76	7.07	392.29
10.1	389.26	7.4	391.96
4.7	392.66	7.9	391.46
4.8	392.56	6.1	393.26
8.4	390.96	6.2	393.16
8.0	391.36	6.3	393.06
7.67	391.79	7.9	389.46
		9.9	389.46
		9.6	389.76
		8.6	390.76
		7.6	391.76
		7.2	392.16

280+50		280+50	
6.4	392.96	6.4	392.96
7.1	392.26	7.1	392.26
7.3	392.06	7.3	392.06
7.6	391.76	7.6	391.76
7.7	391.66	7.7	391.66



399.36  
280+50 (con)

17' W	7.7	391.66
20 W	6.5	392.86
22 W	5.7	393.66
29 W	5.3	394.06
30 W	4.8	392.56
32 W	6.2	393.16
37.3 W = pav.	5.94	393.42
281+00		
42.5 W = pav.	4.96	394.40
35 W	5.6	393.76
33 W	4.4	394.96
25 W	4.1	395.26
23 W	4.7	394.66
20 W	4.8	394.56
10 W	4.7	394.56
⊥	4.6	394.76
10' E	4.4	394.96
20' E	4.4	394.96
30' E	4.1	395.26
281+15		
30' E	3.2	396.16
20' E	3.4	395.96
10' E	3.5	395.86
⊥	3.5	395.86
10 W	3.8	395.56
20 W	3.1	396.26

399.36

Torr ay Pines Mesa.

14

26 W	3.3	396.06
35 W	5.2	394.16
44 W = E pav.	4.70	394.66
281+22		
44.6 W = E Pav.	4.56	394.80
36 W	5.1	394.26
20 W	3.5	395.86
10 W	2.9	396.46
⊥	2.5	396.86
10' E	2.3	397.06
20' E	2.0	397.36
30' E	1.8	397.56
281+27		
30' E	2.0	397.36
20' E	2.3	397.06
10' E	2.5	396.86
⊥	2.4	396.56
10' W	3.3	396.06
20' W	3.7	395.66
35' W	4.7	394.66
45' W = E pav.	4.48	394.88
281+45		
46.5 W = E pav.	4.14	395.22
38 W	4.5	394.86
30 W	3.9	395.46
20 W	3.5	395.86



399.36

281+45 (cont)

10' W	3.0	396.36
ϕ	2.8	396.56
10' E	2.6	396.76
20' E	2.4	396.96
30' E	2.1	397.26

281+50

30' E	2.4	396.96
20' E	2.4	396.96
10' E	2.6	396.76
ϕ	2.6	396.76
10' W	2.5	396.86
20' W	2.8	396.56
25' W Tree 18" Diam	2.0	397.36
34' W	2.6	396.76
38' W	4.4	394.96
47' W = E. Pay	4.07	395.29

281+53

4' E. of ϕ Tree 18" Diam.

281+57

47' W = E. Pay	3.93	395.43
38' W	4.2	395.16
36' W	2.8	396.56
30' W	2.2	397.16
20' W	2.3	397.06
10' W	2.0	397.36
ϕ	1.5	397.86

399.36

Torrey Pines Mesa.

15

10' E	1.1	398.26
20' E	1.1	398.26
30' E	1.0	398.36
T.P.	12.79	408.44
		282+00
30' E	8.9	399.54
20' E	9.4	399.04
10' E	9.6	398.84
ϕ	9.7	398.74
10' W	9.7	398.74
20' W	10.1	398.34
38' W	10.2	398.24
40' W	13.1	395.34
46' W	12.6	395.84
49.5' W = E. Pay	12.36	386.08

282+50

50.4' W = E. Pay	11.58	386.86
45' W	11.8	386.64
40' W	12.0	396.44
38' W	8.6	399.84
20' W	8.4	400.04
10' W	8.1	400.34
ϕ	7.8	400.64
10' E	7.5	400.94
20' E	7.3	401.14
30' E	6.9	401.54



408.44  
282+89<sup>82</sup> P.C.

30' E	5.9	402.54
20' E	6.1	402.34
10' E	6.5	401.94
ϕ	6.7	401.74
10' W	6.7	401.74
20' W	6.9	401.54
38' W	7.0	401.44
40' W	11.6	396.84
45' W	11.1	397.34
50' W = E.pav.	10.94	397.50

283+19<sup>21</sup>

47' W = E.pav	10.42	398.02
44' W =	10.4	397.64
39' W	11.0	397.44
37' W	6.1	402.34
20' W	6.6	402.44
10' W	5.8	402.64
ϕ	5.8	402.64
10' E.	5.5	402.94
20' E	5.4	402.94
30' E.	5.5	402.94

283+50

30' E.	4.6	403.84
20' E	4.7	403.74
10' E	5.1	403.34
ϕ	5.1	403.34
10' W	5.1	403.34

408.44 Torrey Pines Mesa

20' W	5.3	403.14
36' W	5.6	402.84
38' W	10.5	397.94
43' W	10.1	398.34
48.5' W = E.pav	9.96	398.48

284+00

47.1' W = E.pav	9.17	399.27
37' W	7.4	398.64
35' W	5.6	402.84
20' W	5.4	403.04
10' W	5.2	403.24
ϕ	4.9	403.54
10' E	4.5	403.94
20' E	4.4	404.04
30' E	4.2	404.24

284+50

30' E	4.6	403.84
20' E	4.8	403.64
10' E	5.2	403.24
ϕ	5.6	402.84
10' W	5.8	402.64
20' W	5.9	402.54
34' W	5.9	402.54
36' W	9.0	399.44
45.7' W = W.pav.	8.35	400.09



408.44

285+00

44.2 W = E. pav	7.55	400.89
35 W	8.2	400.24
34 W	6.4	402.04
20 W	6.3	402.14
10 W	6.2	402.24
Φ	6.3	402.14
10' E	6.1	402.34
20' E	5.7	402.74
30' E	5.3	403.14

285+50

30' E	5.9	402.54
20' E	6.4	402.04
10' E	6.7	401.74
Φ	6.8	401.64
10 W	6.5	401.94
20 W	6.8	401.64
31 W	6.6	401.84
32 W	7.5	400.94
42.5 W = E. pav	6.78	401.66

286+00

40.9 W = E. pav	5.93	402.51
31 W	6.5	401.94
30 W	5.7	402.74
20 W	6.2	402.24
10 W	6.2	402.24
Φ	6.5	401.94

408.44

Torrey Pines Mesa

17

10' E	4.3	402.14
20' E	6.0	402.44
30' E	5.6	402.84

286+50

30' E	4.0	404.44
20' E	4.5	403.94
10' E	4.7	403.74
Φ	4.9	403.54
10' W	5.1	403.34
20' W	5.5	402.94
28 W	5.1	403.34
30	5.7	402.74
39.2 W = E. pav	5.08	403.36

T.P.	11.41	416.14	
37.4 W = E. pav	287+00	11.65	404.49
28 W	12.3	403.84	
27 W	11.2	404.94	
20 W	11.5	404.64	
10 W	11.1	405.04	
Φ	10.7	405.44	
10' E	10.4	405.74	
20' E	10.0	406.14	
30' E	9.6	406.54	



416.14  
287+50

30'E	7.2	408.94
20'E	7.6	408.54
10'E	8.1	408.04
☐	8.5	407.64
10'W	8.9	407.24
20'W	9.1	407.04
25'W	9.2	406.94
24'W	10.6	405.54
35.5W = E. par	10.21	405.83

288+00

23.5W = E. par	8.25	407.39
23'W	9.2	406.94
24'W	7.0	409.14
20'W	7.0	409.14
10'W	6.5	409.64
☐	6.1	410.04
10'E	5.6	410.54
20'E	5.3	410.84
30'E	4.7	411.44

288+50

30'E	2.7	413.44
26'E	3.4	412.74
10'E	3.5	412.64
☐	4.0	412.14
10'W	4.5	411.64
20'W	5.1	411.04

416.14

Torrey Pines Mesa.

22'W	7.1	409.04
31.8W = E. par	6.80	409.34
288+97.63 EC.		
35'W = E. par	5.14	411.14
25'W	5.5	410.64
24'W	3.6	412.54
20'W	3.6	412.54
10'W	3.3	412.84
☐	3.2	412.94
10'E	2.6	413.54
20'E	2.2	413.94
30'E.	1.6	414.54
chk B.M.	6.54	409.60

162'W of Torrey  
Pines Mesa R.R.  
Sta 288+51.82

18



Cross Section Torrey Pines Mesa Pavng  
West of Existing Pavng

INDEX  
C.S.K.

See book 1425

5-14-32  
Moore  
Shultz  
Northern 19

30640 to 31640 Torrey Pines Mesa Road Stationing  
406.848 ft  
212712

BM #3 10.10 445.29 43519 212712  
TP 1.91 438.52 8.68 436.61

30640

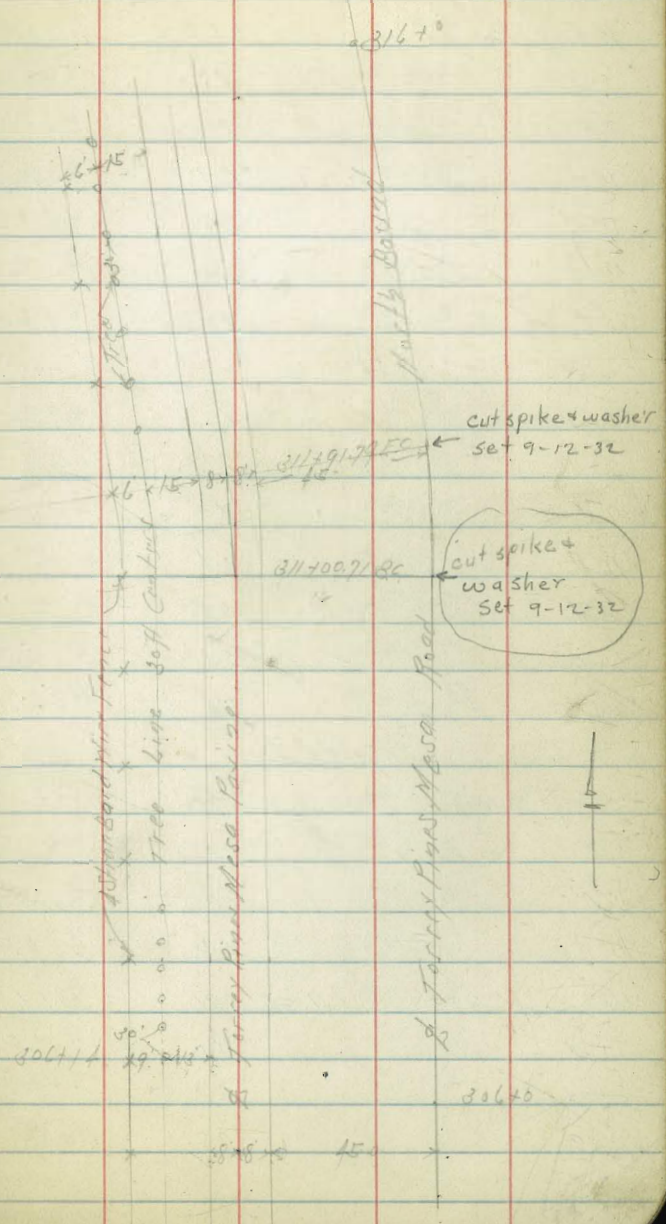
11 Edge Pavng	11.69	426.83	.85	✓
2H	11.7	426.8		
8H	11.8	426.7		
10H	11.3	427.2		
20H	11.0	427.5		
30H	10.9	427.6		

306450

11 Edge Pavng	10.54	427.98	.99	✓
2H	10.7	427.8		
9H	10.5	428.0		
10H	9.9	428.6		
20H	9.3	429.3		
30H	9.0	429.5		

30740

11 Edge Pavng	8.80	429.72	.84	✓
2H	8.9	429.6		
8H	9.0	429.5		
10H	7.9	430.6		
20H	7.3	431.2		
30H	7.0	431.5		





438.52

307450

H Edge Pring	6.66	431.86	89 ✓
2H	6.8	431.7	
9H	7.1	431.4	
10H	6.3	432.2	
15H	4.8	433.7	
20H	5.0	433.5	
30H	4.7	433.8	

30840

H Edge Pring	4.42	434.10	22 ✓
2H	4.6	433.9	
9H	4.7	433.8	
10H	3.4	435.1	
15H	2.4	436.1	
20H	2.6	435.9	
30H	2.4	436.1	

308450

H Edge Pring	1.90	436.62	75 ✓
2H	2.0	436.5	
8H	2.4	436.1	
10H	0.8	437.7	
15H	993	441.54	191
20H	80	438.5	
30H	83	438.2	
	78	438.7	

441.54

30940

H Edge Pring	7.50	439.04	109 ✓
2H	7.6	438.9	
9H	7.6	438.9	
10H	1.5	440.0	
15H	5.4	441.1	
20H	5.7	440.8	
30H	5.3	441.2	

309450

H Edge Pring	5.65	440.89	97 ✓
2H	5.8	440.7	
9H	6.0	440.5	
10H	4.8	441.7	
15H	3.7	442.8	
20H	4.0	442.5	
30H	3.8	442.7	

31040

H Edge Pring	4.40	442.14	19 ✓
2H	4.5	442.0	
9H	4.6	441.9	
10H	3.8	442.7	
15H	2.8	443.7	
20H	3.3	443.2	
30H	3.1	443.4	

310450

H Edge Pring	3.81	442.73	77 ✓
--------------	------	--------	------

20



146.54

2W	3.9	442.6	
9W	4.0	442.5	
10W	3.0	443.5	
20W	3.2	443.3	
30W	3.5	443.0	

3W = 0071 = opp 85

W Edge Point	4.03	442.51	.57 ✓
2W	4.2	442.3	
8W	4.4	442.1	
10W	3.8	442.7	
20W	4.6	442.3	
30W	4.8	441.7	

opp 3W = 50

W Edge Point	5.03	441.51	.62 ✓
8W	5.3	441.2	
8W	5.8	440.7	
10W	5.6	440.9	
20W	6.1	440.4	
30W	6.6	439.9	

3W = 9.79 = opp 55

W Edge Point	6.66	439.88	↓ 40.18 ✓
2W	6.9	439.6	
8W	7.4	439.1	
10W	6.9	439.6	
30W	7.6	438.9	
30W	8.1	438.4	

146.54

312.10

W Edge Point	7.07	439.47	✓
2W	7.3	439.2	
8W	7.7	438.8	
10W	7.3	439.2	
20W	7.8	438.7	
30W	8.2	438.3	

312.50

W Edge Point	9.75	436.79	.98 ✓
2W	9.9	436.6	
8W	10.4	436.1	
10W	9.8	436.7	
20W	10.3	436.2	
30W	11.1	435.4	

313.10

W Edge Point	12.57	435.97	34.02 ✓
2W	12.9	435.6	
9W	13.3	433.2	
10W	12.5	434.0	
20W	13.0	433.5	
30W	14.3	432.2	

TP 0.40 133.97 12.97 433.57

313.50

W Edge Point	2.98	430.99	31.06 ✓
2W	3.2	430.6	
8W	3.7	430.3	

21



13397

10M	32	430.8
20M	19	429.1
30M	59	428.1

31640

M Edge Point	597	428.00	.03 ✓
2M	11	427.9	
10M	69	427.1	
20M	85	425.5	
30M	99	424.1	

31650

M Edge Point	983	425.14	.72 ✓
2M	89	425.1	
8M	89	425.1	
10M	98	424.2	
20M	117	422.3	
30M	123	421.7	

31540

M Edge Point	1127	422.70	.74 ✓
2M	114	422.6	
10M	118	422.2	
15M	125	420.5	
30M	136	420.4	
30M	142	419.8	

315450

M Edge Point	1219	421.28	.36 ✓
2M	127	421.3	

43397

10M	123	420.7
15M	144	419.6
20M	165	419.5
30M	156	418.4

31640

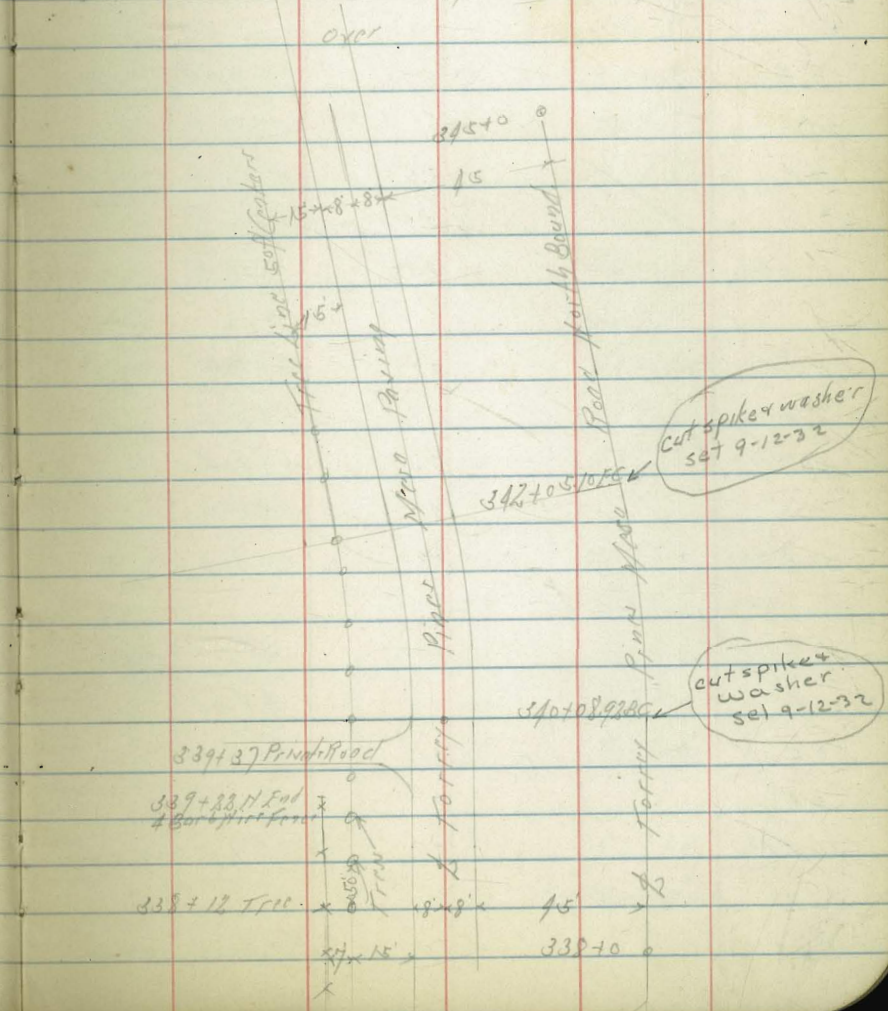
M Edge Point	1320	420.77	.81 ✓
2M	134	420.6	
10M	140	420.0	
15M	150	419.0	
30M			
30M			

22



Cross Section Torrey Pines Mass Paving  
West of Existing Paving

BM #	Station	Station	Station	Station	Station	Station
BM # 5	813	112.1	434.68	BP 110 W	338+91	340+
	338+0					
W Edge Paving		11.63	431.18	.21 ✓		
2 W		11.8	431.0			
10 W		11.9	430.9			
20 W		11.7	431.1			
30 W		11.7	431.1			
	338+50					
W Edge Paving		9.83	432.98	.11 ✓		
2 W		10.0	432.8			
10 W		10.3	432.5			
20 W		9.9	432.9			
30 W		9.9	432.9			
	339+0					
W Edge Paving		8.04	434.77	.79 ✓		
2 W		8.2	434.6			
10 W		8.5	434.3			
20 W		8.2	434.6			
30 W		8.3	434.5			
	339+50					
W Edge Paving		6.21	436.55	.57 ✓		
2 W		6.4	436.4			
10 W		6.7	436.1			
20 W		6.7	436.1			
30 W		6.9	435.9			





442.81

340+892 - opp BC

W Edge Paving	410	438.71
2' W	44	438.4
10' W	48	438.0
20' W	44	438.4
30' W	47	438.1

340+50

W Edge Paving	292	439.89	.92 ✓
2' W	31	439.7	
10' W	36	439.2	
20' W	32	439.6	
30' W	35	439.3	

341+0

W Edge Paving	210	440.71	.73 ✓
2' W	23	440.5	
10' W	24	440.4	
20' W	25	440.3	
30' W	29	439.9	

341+50

W Edge Paving	170	441.11	.09 ✓
2' W	19	440.9	
10' W	21	440.7	
20' W	21	440.7	
30' W	23	440.5	

342+0

W Edge Paving	207	440.74	.70 ✓
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442.81

2' W	22	440.6
10' W	24	440.4
20' W	22	440.6
30' W	27	440.1

342+05.10 - opp FC

W Edge Paving	216	440.65
2' W	23	440.5
10' W	24	440.4
20' W	25	440.3
30' W	30	439.8

342+50

W Edge Pav	280	440.01	.00 ✓
2' W	20	439.8	
10' W	33	439.5	
20' W	32	439.6	
30' W	39	438.9	

343+0

W Edge Paving	355	439.26	.26 ✓
2' W	37	439.1	
10' W	39	438.9	
20' W	37	439.1	
30' W	46	438.2	

343+50

W Edge Paving	418	438.63	.60 ✓
2' W	43	438.5	
10' W	41	438.7	

24



442.81

20 H	47	438.1	
30 H	48	438.0	

344+0

W Edge Point	49	437.89	.90 ✓
2 H	51	437.7	
10 H	53	437.5	
20 H	53	437.5	
30 H	56	437.2	

344+50

W Edge Point	5.6	437.17	.15 ✓
2 H	5.8	437.0	
10 H	5.9	436.9	
20 H	5.1	437.4	
30 H	6.0	436.8	

345+0

W Edge Point	6.3	436.49	.48 ✓
2 H	6.5	436.3	
10 H	6.5	436.3	
20 H	6.2	436.6	
30 H	6.5	436.3	



Cross Section Torrey Pines Mesa Paving  
West of Existing Paving

36540 to 37520

BM #7 6.36 435.43 429.07  
TP 5.18 428.25 422.77

Hub 7974  
371490

36540

W Edge Paving 11.06 417.19 .10 ✓  
2'W 11.1 417.2  
10'W 11.1 417.2  
20'W 10.9 417.4  
30'W 10.7 417.6

365450

W Edge Paving 9.85 418.40 .39 ✓  
2'W 9.9 418.4  
10'W 9.9 418.4  
20'W 8.9 419.4  
30'W 9.3 419.0

36640

W Edge Paving 8.20 420.05 .02 ✓  
2'W 8.3 420.0  
10'W 8.7 419.6  
20'W 7.6 420.7  
30'W 7.5 420.8

366450

W Edge Paving 6.45 421.80 .88 ✓  
2'W 6.6 421.7  
10'W 7.0 421.3  
15'W 6.1 422.2

37520  
8' 8" 45  
K 15  
372+69 - Power Pole  
371+96 Twp Pole  
371+26.04 A.P.  
36540  
115' 8' 8" 45  
Torrey Pines Mesa Paving  
Torrey Pines Mesa Road



428.25

20H	58	422.5	
30H	58	422.5	
367+0			
H Edge Pairing	4.64	423.61	.58 ✓
2H	4.8	423.5	
10H	5.2	423.1	
15H	4.0	424.3	
20H	4.1	424.2	
30H	4.1	424.2	

367+50

H Edge Pairing	2.17	425.58	.59 ✓
2H	2.8	425.5	
10H	2.3	426.0	
15H	2.2	426.1	
20H	2.0	426.3	
30H	2.3	426.0	

368+0

H Edge Pairing	0.86	427.39	.37 ✓
2H	1.1	427.2	
10H	1.6	426.7	
12H	0.4	427.9	

7P	10.12	437.51	0.86	427.39	
20H			9.1	428.1	
30H			9.5	428.0	

368+50

H Edge Pairing	8.30	429.21	.29 ✓
----------------	------	--------	-------

437.51

2H	8.5	429.0	
9H	8.9	428.6	
10H	7.8	429.7	
20H	7.7	429.8	
30H	7.8	429.7	

369+0

H Edge Pairing	6.48	431.03	.03 ✓
2H	6.5	431.0	
10H	6.9	430.6	
12H	6.2	431.3	
20H	6.3	431.2	
30H	6.5	431.0	

369+50

H Edge Pairing	4.75	432.76	.71 ✓
2H	4.7	432.8	
10H	5.2	432.3	
15H	4.8	432.7	
20H	5.1	432.4	
30H	5.1	432.4	

370+0

H Edge Pairing	3.80	433.71	.78 ✓
2H	3.9	433.6	
10H	4.2	433.3	
12H	3.8	433.7	
20H	4.1	433.4	
30H	4.1	433.1	

27



437.51

370 + 50

W Edge	402	433.49	.49 ✓
2H	42	433.3	
10H	44	433.1	
15H	42	433.3	
20H	45	433.0	
30H	48	432.7	

37140

W Edge Paving	500	432.51	.47 ✓
2H	51	432.4	
9H	5.6	431.9	
16H	4.6	432.9	
20H	5.2	432.3	
30H	5.6	431.9	

371426.4 = opp A

W Edge Paving	593	431.58	✓
2H	6.0	431.5	
8H	6.3	431.2	
16H	5.5	432.0	
20H	5.9	431.6	
30H	6.4	431.1	

371450

W Edge	6.88	430.63	.58 ✓
2H	6.9	430.6	
8H	7.2	430.3	
10H	6.2	431.3	

437.51

20H	6.7	430.8	
30H	7.1	430.4	
37210			
W Edge Paving	8.93	428.58	.60 ✓
2H	9.0	428.5	
8H	9.3	428.2	
10H	8.3	429.2	
20H	8.7	428.8	
30H	9.2	428.3	

372150

W Edge Paving	11.00	426.51	.43 ✓
2H	11.1	426.4	
8H	11.5	426.0	
10H	10.5	427.0	
20H	11.0	426.5	
30H	11.4	426.1	
TP	3.37	427.93	12.95
37310			
W Edge Paving	3.37	424.56	.61 ✓
2H	3.5	424.4	
8H	4.1	423.8	
10H	3.1	424.8	
20H	4.0	423.9	
30H	4.2	423.7	

37310

W Edge Pav	5.39	422.54	.59 ✓
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28



42793

2H	55	422.4	
9H	62	421.7	
10H	54	422.5	
20H	64	421.5	
30H	70	420.9	

37410

H Edge Point	738	420.55	.57 ✓
2H	75	420.4	
9H	82	419.7	
10H	75	420.4	
30H	88	419.1	
30H	94	418.5	

374150

H Edge Point	910	418.53	.50 ✓
2H	94	418.5	
9H	101	417.8	
10H	97	418.2	
15H	110	416.9	
20H	114	416.5	
30H	121	415.8	

27510

H Edge Point	1137	416.56	.58 ✓
2H	114	416.5	
10H	122	415.7	
15H	125	414.4	
30H	142	413.7	
30H	148	413.1	



XSEC of Borrow Pit - Torrey Pines Mesa Rd.

379+50 to 387+50

BM #8 14.11 +10.69 396.58

379+50

22 R from ♀ -0.3 410.4

32 R +0.3 411.0

33 R +0.8 412.5

380+80

22 R 1.8 408.9

32 R 1.3 409.4

44 R 0.0 410.7

+50

22 R 2.3 408.4

32 R 2.5 408.2

39 R 2.0 408.7

44 R 0.6 416.1

381+00

22 R 2.8 407.9

32 R 2.5 407.2

39 R 2.0 407.7

44 R 1.5 409.2

+50

22 R 4.4 406.3

32 R 4.7 406.0

39 R 4.3 406.4

44 R 2.9 402.8

382

22 R 5.0 405.7

410.69

22 R

5.1 405.6

39 R

4.8 405.9

43 R

5.8 406.9

+50

22 R

6.0 404.7

32 R

6.1 404.6

40 R

6.0 404.7

43 R

4.6 406.1

383

22 R

6.6 404.1

32 R

6.1 404.6

42 R

5.5 405.2

+50

22 R

7.5 403.2

32 R

8.1 402.6

41 R

6.8 403.9

43 R

6.3 404.4

384

22 R

8.7 402.0

32 R

8.7 402.0

44 R

7.8 402.9

47 R

7.2 403.5

+50

22 R

9.8 400.9

32 R

9.9 400.8

44 R

9.6 401.1

50 R

7.7 403.0

Moore  
S1550X  
Northey  
3/28/50  
30



410.69

385+00

22 R	10.3	400.9
32 R	10.8	399.9
42 R	10.7	400.0
52 R	8.4	402.5

+50

22 RT	10.9	399.8
32 RT	11.1	399.6
42 R	10.7	400.0
52 R	8.9	401.8

386

22 R	11.4	399.3
32 R	12.0	398.7
42 R	11.9	398.8
52 R	9.4	401.3

+50

22 R	12.2	398.5
32 R	12.2	398.5
47 R	12.4	398.3
52 R	10.6	400.1

387

22 R	12.8	397.9
32 R	12.7	398.0
47 R	12.9	397.8
52 R	11.6	399.1
T.P.	11.6	399.00

416

403.16

11.69

399.00

403.16

387+50

22 R	5.4	397.8
32 R	5.6	397.6
47 R	4.8	398.4
check to BM #8	6.57	396.59

$$\frac{396.58}{0.01}$$

31



Xsec of Borrow Pit Torrey Pines Mesa Rd

371+50 to 374+50

434.25

32

BM. #7	516	434.25	429.07	35 R	12.4	421.9
	371+50					
285 R	of E		1.1	433.2		
51 R			1.1	433.2		
	372					
26 R			7.0	422.3		
35 R			6.1	428.2		
45 R			1.9	432.4		
	+50					
23 R			8.1	426.7		
35 R			7.5	426.8		
45 R			3.7	430.6		
	373					
21 R			10.4	423.9		
35 R			9.3	425.0		
45 R			5.5	428.8		
	+50					
21 R			11.4	422.9		
30 R			10.7	423.6		
45 R			7.5	426.8		
	374					
20 R			12.9	421.4		
40 R			12.4	421.9		
47 R			9.8	424.5		
	+50					
20 R			14.2	420.1		



Xsec of Borrow Pit Torrey Pines Mesa Rd.  
338+50 to 344+00

BM #5 561 440.29 434.68

338+50

21 R of 2 7.9 432.4

30 R 8.2 432.1

45 R 7.7 432.6

339

21 R 7.0 433.3

30 R 6.8 433.5

40 R 7.2 433.1

45 R 6.1 434.2

+50

21 R 6.3 434.0

30 R 6.2 433.9

45 R 6.2 433.9

48 R 4.5 435.8

340

21 R 5.0 434.9

30 R 5.5 434.8

45 R 5.2 434.9

47 R 3.1 437.2

+50

21 R 4.6 435.7

30 R 4.5 435.8

45 R 4.2 436.0

48 R 2.4 437.9

341+00

21 R 4.1 436.2

30 R 3.7 436.6

45 R 4.1 436.2

48 R 2.1 438.2

+50

21 R 3.9 436.4

30 R 4.0 436.3

45 R 4.2 436.1

48 R 2.2 438.1

342

21 R 4.2 436.1

30 R 4.2 436.1

45 R 4.5 435.8

48 R 2.1 438.2

+50

21 R 4.1 436.2

30 R 4.1 436.2

45 R 4.4 435.9

48 R 2.9 437.4

343

21 R 4.5 435.8

30 R 4.4 435.9

45 R 5.3 435.0

48 R 3.8 436.5

+50

21 R 4.7 435.6

33



3x3+50

44029

30 R

4.6

435.7

45 R

5.3

435.0

48 R

4.6

435.7

3x3

31 R

4.7

435.6

36 R

5.3

435.0

45 R

5.4

434.9



Xvec of Borrow Pit Torrey Pines West Rd  
324+50 to 329+50

426.99

35

81R #4 0.5V 426.99 426.47  
324+50

42R 6.4 420.6  
47R 4.5 422.5

+50

21R 0.4 E 8.1 418.9

30R 8.4 418.8

40R 8.1 418.9

325

21R 7.8 419.2

30R 6.7 420.3

45R 7.0 420.0

+50

21R 7.7 419.3

30R 7.0 420.0

47R 6.0 421.0

326

21R 7.4 419.6

30R 7.0 420.0

40R 7.0 420.0

45R 5.2 421.8

+50

21R 7.1 418.9

30R 6.9 420.9

44R 6.5 420.5

46R 4.7 422.3

327

21R 6.8 420.2

30R 6.8 420.2

21R 6.5 420.5

30R 6.7 420.3

45R 5.6 421.4

47R 4.4 422.6

328

21R 6.2 420.8

30R 6.4 420.6

45R 5.3 421.7

47R 4.2 422.8

+50

21R 5.5 421.5

30R 6.3 420.7

45R 5.5 421.5

47R 4.4 422.6

329

21R 6.4 420.8

30R 6.4 420.6

45R 6.0 421.0

47R 5.1 421.9

+50

21R 6.6 420.4

30R 6.6 420.4

45R 6.6 420.4

47R 5.9 421.1



Cross Section of Waste Pile

294+0 to 297+0

Torrey Pines Mesa

1-1-36 36

Station	Depth	Area	Volume	Station	Depth	Area	Volume
BM #2	2.63	430.11	427.48	296+50	21.5 ft of 2	1.4	420.2
TP	0.80	426.58	420.78		26 "	4.8	416.8
	294+0				31 "	8.5	418.1
					45 "	4.9	416.8
21.5 ft of 2		4.7	416.9		50 "	7.5	414.1
23 "		6.1	415.5				
35 "		1.8	414.8	297+0			
	294+50			21.5 ft of 2		0.8	420.8
21.5 ft of 2		3.9	412.7	26 "		3.8	417.8
29 "		5.5	416.1	35 "		4.2	417.4
45 "		6.3	415.3	45 "		3.5	418.1
47 "		8.2	413.4	48 "		5.0	416.6
	295+0						
21.5 ft of 2		3.2	418.4				
28 "		5.0	417.6				
42 "		6.0	415.6				
48 "		9.6	412.0				
	295+50						
21.5 ft of 2		2.8	418.8				
29 "		4.8	416.8				
37 "		10.8	410.8				
	296+0						
21.5 ft of 2		1.9	419.2				
26 ft "		5.4	416.2				
35 "		5.8	415.8				
45 "		10.0	411.6				



Terry Pines Mass.  
Cross Section of Buried Pt on Right

44742

37

309+0 to 313+50

311+50

BM 1223 44742 43519

463 59511  
312+12

21' Pt of S 121 434.3

309+0

35' " " 124 435.0

25' Pt of S 120 435.4

16' " " 110 436.4

35' " " 133 434.1

49' " " 96 438.8

16' " " 137 438.7

312+50

309+50

21' Pt of S 125 434.9

21' Pt of S 131 434.0

35' " " 119 435.5

25' " " 134 434.0

15' " " 120 435.4

15' " " 119 435.5

310+0

312+50

21' Pt of S 124 435.0

21' Pt of S 140 433.4

35' " " 111 436.3

35' " " 139 433.5

16' " " 111 436.3

12' " " 121 434.6

50' " " 101 437.3

16' " " 102 437.2

310+50

312+0

21' Pt of S 121 435.0

21' Pt of S 150 432.4

35' " " 119 435.5

35' " " 147 432.7

16' " " 111 436.3

45' " " 136 433.8

50' " " 88 438.6

45' " " 128 434.6

311+0

312+50

21' Pt of S 125 434.9

21' Pt of S 155 431.9

35' " " 119 435.5

25' " " 114 433.0

15' " " 105 436.9

45' " " 128 431.6

15' " " 85 438.9



Terry Pines Area  
Cross Section of Barrow Pt on High

310+0 to 311+50

BM "1" 990 127.58 117.18

310+0

22 Pt 1/2 71 420.5

35 " " 82 418.4

56 " " 99 417.7

310+50

60 Pt 1/2 91 418.5

55 " " 106 417.0

35 " " 100 417.6

26 " " 71 420.5

23 " " 70 420.6

311+0

22 Pt 1/2 95 420.1

25 " " 95 420.1

35 " " 92 418.4

56 " " 102 416.7

65 " " 97 417.9

311+50

56 Pt 1/2 97 417.9

60 " " 102 417.4

27 " " 82 419.4

21 " " 80 419.6



Levels on E. Lane Torrey Pines Rd  
 274 + 98.75 to ~~388~~ + 97.43  
 291400

Indexed  
 C.S.K.

Moore  
 007-10-54

+09.94 EC

277

+50

276

+50

275 + 04.15

276 + 98.75 BC

TP 3.19 390.76<sup>1</sup> 1296 387.27

BM. Bolt 5.25 400.23<sup>1</sup> 394.95

C.S.K. Moore  
 12/11/54  
 500 p2

LT. Z RT.  

$$\begin{array}{r} 385.17 \\ \hline 5.64 \\ \hline 1.2 \end{array}$$

$$\begin{array}{r} 385.10 \\ \hline 5.66 \\ \hline 1.2 \end{array}$$

$$\begin{array}{r} 385.04 \\ \hline 5.72 \\ \hline 1.2 \end{array}$$

$$\begin{array}{r} 384.89 \\ \hline 5.87 \\ \hline 1.27 \end{array}$$

$$\begin{array}{r} 384.80 \\ \hline 5.96 \\ \hline 1.27 \end{array}$$

$$\begin{array}{r} 383.65 \\ \hline 7.11 \\ \hline 1.5 \end{array}$$

$$\begin{array}{r} 383.49 \\ \hline 7.27 \\ \hline 1.5 \end{array}$$

$$\begin{array}{r} 382.31 \\ \hline 5.45 \\ \hline 1.75 \end{array}$$

$$\begin{array}{r} 382.04 \\ \hline 5.72 \\ \hline 1.75 \end{array}$$

$$\begin{array}{r} 380.83 \\ \hline 9.93 \\ \hline 1.93 \end{array}$$

$$\begin{array}{r} 380.63 \\ \hline 10.13 \\ \hline 1.93 \end{array}$$

$$\begin{array}{r} 379.47 \\ \hline 11.39 \\ \hline 1.0 \end{array}$$

$$\begin{array}{r} 379.41 \\ \hline 11.54 \\ \hline 1.0 \end{array}$$

$$\begin{array}{r} 379.29 \\ \hline 11.27 \\ \hline 1.0 \end{array}$$

$$\begin{array}{r} 379.28 \\ \hline 11.48 \\ \hline 1.0 \end{array}$$

$$\begin{array}{r} 379.27 \\ \hline 11.44 \\ \hline 1.0 \end{array}$$

390.76<sup>1</sup>



+50

280

+50

T.P. 10.55 400.76 0.55 390.71

279

+50

278

277 +50

390.76

394.00 394.11 394.01  
 $\frac{6.76}{10}$  6.75  $\frac{6.75}{10}$

392.85 392.93 394.89  
 $\frac{29.1}{10}$  7.83  $\frac{78.7}{10}$

391.48 391.63 391.55  
 $\frac{9.28}{10}$  9.13  $\frac{9.7}{10}$

400.76

390.12 390.76 390.16  
 $\frac{0.64}{10}$  0.50  $\frac{0.60}{10}$

388.85 388.93 388.85  
 $\frac{1.91}{10}$  1.83  $\frac{1.91}{10}$

387.41 387.47 387.41  
 $\frac{3.35}{10}$  3.29  $\frac{3.35}{10}$

386.13 386.11 385.99  
 $\frac{4.63}{10.6}$  4.65  $\frac{4.77}{10.6}$

390.76



Article RANGE  
 Department Public Works  
 Purchased From  
 Req. No.  
 Orig. Cost 100.00 Est. I  
 Add. Chgs.  
 Total Cost  
 Description Vulcan (Crane)

Date	Value	Date	Value
6/30/42	81.00		
1943	72.90		

Five Highway  
 at school  
 our company had  
 420.50  
 US 65  
 US 65  
 409.003

+50

280

+50

J.P. 10.22 400.76 0.25 390.71

279

+50

278

277 +50

390.76

390.76



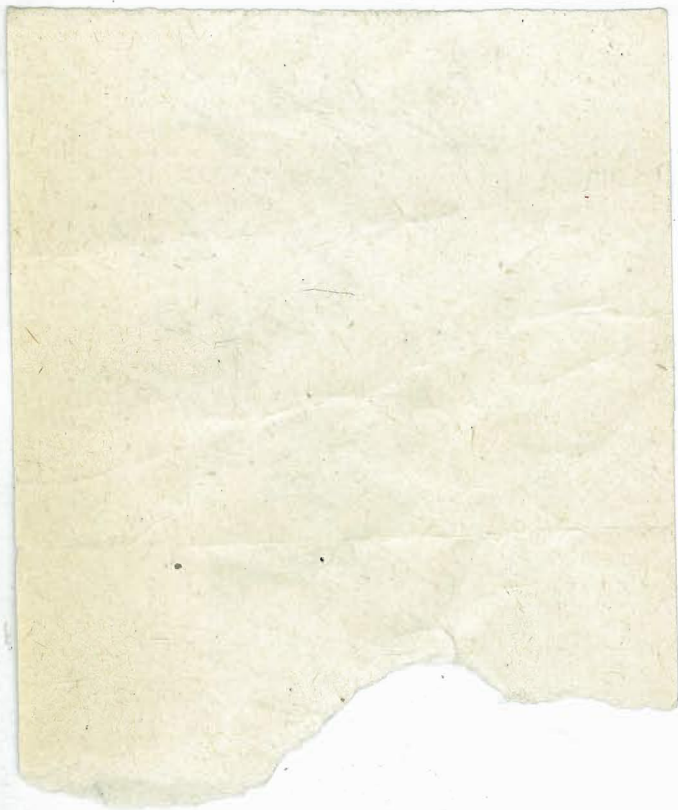




Mr. Smith.

Found Cave Man  
Elev 40943 and  
checked to U.S. C + G  
City Elev. 6.64 ft  
higher than C + G.

H. E. Wood





284

$\frac{399.65}{10}$   $\frac{399.34}{14}$   $\frac{398.92}{10}$

+50

$\frac{398.86}{10}$   $\frac{398.55}{22}$   $\frac{398.16}{10}$

285

$\frac{398.04}{27}$   $\frac{397.87}{289}$   $\frac{397.54}{350}$

+898<sup>m</sup> R.C.

$\frac{397.85}{291}$   $\frac{397.72}{204}$   $\frac{397.40}{10}$

+50

$\frac{397.14}{362}$   $\frac{397.17}{459}$   $\frac{396.96}{10}$

286

$\frac{396.41}{435}$   $\frac{396.47}{529}$   $\frac{396.40}{436}$

+50

$\frac{395.75}{501}$   $\frac{395.84}{494}$   $\frac{395.75}{501}$

287

$\frac{394.94}{582}$   $\frac{395.04}{572}$   $\frac{394.95}{581}$

400.76

400.76



+50

287

+50

286

+50

285

F.R. 825 408.37 ✓ 0.04 ✓ 100.12 ✓

284 +50

400.76

$$\begin{array}{r} 404.85 \\ \hline 4.17 \\ 10 \end{array} \quad \begin{array}{r} 404.50 \\ \hline 387 \end{array} \quad \begin{array}{r} 404.10 \\ \hline 4.27 \\ 10 \end{array}$$

$$\begin{array}{r} 403.97 \\ \hline 4.45 \\ 10 \end{array} \quad \begin{array}{r} 403.56 \\ \hline 481 \end{array} \quad \begin{array}{r} 403.19 \\ \hline 5.18 \\ 10 \end{array}$$

$$\begin{array}{r} 403.04 \\ \hline 5.33 \\ 10 \end{array} \quad \begin{array}{r} 402.67 \\ \hline 570 \end{array} \quad \begin{array}{r} 402.29 \\ \hline 408 \\ 10 \end{array}$$

$$\begin{array}{r} 402.30 \\ \hline 6.07 \\ 10 \end{array} \quad \begin{array}{r} 401.94 \\ \hline 643 \end{array} \quad \begin{array}{r} 401.56 \\ \hline 681 \\ 10 \end{array}$$

$$\begin{array}{r} 401.61 \\ \hline 6.76 \\ 10 \end{array} \quad \begin{array}{r} 401.25 \\ \hline 700 \end{array} \quad \begin{array}{r} 400.89 \\ \hline 748 \\ 10 \end{array}$$

$$\begin{array}{r} 400.95 \\ \hline 7.2 \\ 10 \end{array} \quad \begin{array}{r} 400.60 \\ \hline 777 \end{array} \quad \begin{array}{r} 400.18 \\ \hline 8.19 \\ 10 \end{array}$$

408.37 ✓

$$\begin{array}{r} 400.27 \\ \hline 0.49 \\ 10 \end{array} \quad \begin{array}{r} 399.90 \\ \hline 086 \end{array} \quad \begin{array}{r} 399.52 \\ \hline 132 \\ 10 \end{array}$$

400.76 ✓



291

+50

290

289 +50

10' LT of EC, 8 ft 416.02 ✓ 407.57 Pav. E/

288 + 97.63 = EC. E Rd.

+50

288

408.37 ✓

$$\begin{array}{r} 411.37 \checkmark \\ \underline{455} \\ 10 \end{array} \quad \begin{array}{r} 411.47 \checkmark \\ \underline{455} \\ 10 \end{array} \quad \begin{array}{r} 411.40 \checkmark \\ \underline{462} \\ 10 \end{array}$$

$$\begin{array}{r} 410.37 \checkmark \\ \underline{565} \\ 10 \end{array} \quad \begin{array}{r} 410.46 \checkmark \\ \underline{566} \\ 10 \end{array} \quad \begin{array}{r} 410.44 \checkmark \\ \underline{560} \\ 10 \end{array}$$

$$\begin{array}{r} 409.34 \checkmark \\ \underline{668} \\ 10 \end{array} \quad \begin{array}{r} 409.41 \checkmark \\ \underline{661} \\ 10 \end{array} \quad \begin{array}{r} 409.37 \checkmark \\ \underline{665} \\ 10 \end{array}$$

$$\begin{array}{r} 408.44 \checkmark \\ \underline{758} \\ 10 \end{array} \quad \begin{array}{r} 408.41 \checkmark \\ \underline{761} \\ 10 \end{array} \quad \begin{array}{r} 408.45 \checkmark \\ \underline{778} \\ 10 \end{array}$$

$$\begin{array}{r} 411.02 \checkmark \\ \underline{455} \\ 10 \end{array}$$

$$\begin{array}{r} 407.57 \checkmark \\ \underline{080} \\ 10 \end{array} \quad \begin{array}{r} 407.42 \checkmark \\ \underline{085} \\ 10 \end{array} \quad \begin{array}{r} 407.11 \checkmark \\ \underline{126} \\ 10 \end{array}$$

$$\begin{array}{r} 406.76 \checkmark \\ \underline{161} \\ 10 \end{array} \quad \begin{array}{r} 406.48 \checkmark \\ \underline{189} \\ 10 \end{array} \quad \begin{array}{r} 406.09 \checkmark \\ \underline{228} \\ 10 \end{array}$$

$$\begin{array}{r} 405.88 \checkmark \\ \underline{249} \\ 10 \end{array} \quad \begin{array}{r} 405.49 \checkmark \\ \underline{285} \\ 10 \end{array} \quad \begin{array}{r} 405.08 \checkmark \\ \underline{329} \\ 10 \end{array}$$

408.37 ✓



Level 1 on W. Lane  
 274 + 7226 To ~~EG of E Lane~~  
 291400 E. Lane

Indexed  
 c.s.k.

2 278

+50

2 277

2 275

10 276

28 275

274

2 274 + 7226  
 Res. station.

296

390.23v

387.27

T.P.  
 p 39

LT & RT

387.83v 388.05' 388.03v  
 $\frac{2.10}{15}$  2.18  $\frac{2.10}{15}$

386.56' 386.75' 386.76'  
 $\frac{3.17}{15}$  3.18  $\frac{3.17}{15}$

385.36' 385.54' 385.50v  
 $\frac{4.87}{15}$  4.69  $\frac{4.78}{15}$

384.20v 384.37' 384.30v  
 $\frac{6.03}{15}$  5.91  $\frac{5.93}{15}$

382.85v 383.00v 382.94'  
 $\frac{7.35}{15}$  7.23  $\frac{7.29}{15}$

381.43v 381.58' 381.52v  
 $\frac{8.30}{15}$  8.08  $\frac{8.21}{15}$

379.93v 380.08' 380.07v  
 $\frac{10.30}{15}$  10.15  $\frac{10.31}{15}$

379.05' 379.22v 379.26v  
 $\frac{11.18}{15}$  11.01  $\frac{10.97}{15}$  = B.C. c.t. E Lane

390.23v



281

+73.04 = DC.

+50

280

+50

279

T.P.

12.69 401.99 ✓ 093 389.30

278 + 50

390.23

$$\begin{array}{r} 395.73 \checkmark \\ 626 \\ \hline 15 \end{array} \quad \begin{array}{r} 395.31 \checkmark \\ 668 \\ \hline 15 \end{array} \quad \begin{array}{r} 394.87 \checkmark \\ 717 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 395.04 \checkmark \\ 694 \\ \hline 15 \end{array} \quad \begin{array}{r} 394.77 \checkmark \\ 737 \\ \hline 15 \end{array} \quad \begin{array}{r} 394.35 \checkmark \\ 762 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 394.45 \checkmark \\ 754 \\ \hline 15 \end{array} \quad \begin{array}{r} 394.70 \checkmark \\ 779 \\ \hline 15 \end{array} \quad \begin{array}{r} 393.89 \checkmark \\ 810 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 392.99 \checkmark \\ 900 \\ \hline 15 \end{array} \quad \begin{array}{r} 393.00 \checkmark \\ 899 \\ \hline 15 \end{array} \quad \begin{array}{r} 392.90 \checkmark \\ 909 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 391.64 \checkmark \\ 1034 \\ \hline 15 \end{array} \quad \begin{array}{r} 391.72 \checkmark \\ 1027 \\ \hline 15 \end{array} \quad \begin{array}{r} 391.69 \checkmark \\ 1030 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 390.36 \checkmark \\ 1163 \\ \hline 15 \end{array} \quad \begin{array}{r} 390.51 \checkmark \\ 1168 \\ \hline 15 \end{array} \quad \begin{array}{r} 390.48 \checkmark \\ 1151 \\ \hline 15 \end{array}$$

401.99 ✓

$$\begin{array}{r} 389.11 \checkmark \\ 112 \\ \hline 15 \end{array} \quad \begin{array}{r} 389.78 \checkmark \\ 095 \\ \hline 15 \end{array} \quad \begin{array}{r} 389.76 \checkmark \\ 097 \\ \hline 15 \end{array}$$

390.23 ✓



T.P. 125 ✓ 413.58 ✓ 126 400.73

+50

284

+50

283

+50

282

281 +50

401.99 ✓

401.51 ✓ 400.92 ✓ 400.33 ✓

$\frac{0.48}{15}$  197  $\frac{1.66}{15}$

400.78 ✓ 400.14 ✓ 399.56 ✓

$\frac{1.36}{15}$  1.85 ✓  $\frac{2.43}{15}$

399.94 ✓ 399.35 ✓ 398.78 ✓

$\frac{2.95}{15}$  2.64 ✓  $\frac{3.91}{15}$

399.17 ✓ 398.58 ✓ 398.05 ✓

$\frac{2.87}{15}$  3.41 ✓  $\frac{3.94}{15}$

398.52 ✓ 397.84 ✓ 397.27 ✓

$\frac{3.41}{15}$  4.15 ✓ 4.77 ✓

397.64 ✓ 397.06 ✓ 396.47 ✓

$\frac{4.35}{15}$  4.93 ✓  $\frac{5.57}{15}$

396.80 ✓ 396.24 ✓ 395.69 ✓

$\frac{5.19}{15}$  5.75 ✓  $\frac{6.30}{15}$

401.99 ✓



288

+50

287

+50

286

+72

+50

285

410.58

408.60 408.54 408.03 407.45

Willy  
Jolla Canyon

$$\begin{array}{r} 4.98 \\ 77 \\ \hline \end{array} \quad \begin{array}{r} 50.1 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 5.55 \\ \hline \end{array} \quad \begin{array}{r} 6.13 \\ 15 \\ \hline \end{array}$$

407.17 407.04 406.53 405.96

Willy  
Jolla  
Canyon

$$\begin{array}{r} 6.41 \\ 17.3 \\ \hline \end{array} \quad \begin{array}{r} 6.52 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 7.05 \\ \hline \end{array} \quad \begin{array}{r} 7.62 \\ 15 \\ \hline \end{array}$$

405.91 405.77 405.18 404.63

Willy  
Jolla  
Canyon

$$\begin{array}{r} 7.07 \\ 21.5 \\ \hline \end{array} \quad \begin{array}{r} 7.81 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 8.40 \\ \hline \end{array} \quad \begin{array}{r} 8.94 \\ 15 \\ \hline \end{array}$$

404.76 404.69 404.08 403.48

Willy Canyon

$$\begin{array}{r} 8.87 \\ 27 \\ \hline \end{array} \quad \begin{array}{r} 8.89 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 9.50 \\ \hline \end{array} \quad \begin{array}{r} 10.10 \\ 15 \\ \hline \end{array}$$

403.68 403.80 403.23 402.67

$$\begin{array}{r} 9.90 \\ 34 \\ \hline \end{array} \quad \begin{array}{r} 9.78 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 10.35 \\ \hline \end{array} \quad \begin{array}{r} 10.91 \\ 15 \\ \hline \end{array}$$

403.27 403.58 403.43 403.87 402.78 402.21

Willy  
Jolla  
Canyon

$$\begin{array}{r} 10.31 \\ 34 \\ \hline \end{array} \quad \begin{array}{r} 10.30 \\ 29 \\ \hline \end{array} \quad \begin{array}{r} 10.14 \\ 19 \\ \hline \end{array} \quad \begin{array}{r} 10.21 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 10.80 \\ \hline \end{array} \quad \begin{array}{r} 11.37 \\ 15 \\ \hline \end{array}$$

403.03 402.46 401.84

$$\begin{array}{r} 10.44 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 11.14 \\ \hline \end{array} \quad \begin{array}{r} 11.74 \\ 15 \\ \hline \end{array}$$

402.28 401.70 401.10

$$\begin{array}{r} 11.30 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 11.88 \\ \hline \end{array} \quad \begin{array}{r} 12.48 \\ 15 \\ \hline \end{array}$$

410.58



291

290+50

check to starting P.M.	9.01	394.96	394.96
T.P.	120	403.97	10.81
10' LT of EC ELove pts	602	407.56	407.57

290

10' LT. of EC ELove	8.45	416.02	407.57	El. par
---------------------	------	--------	--------	---------

289+70

289+59

288+97.63 = opp. EC of E LANE

288+51.02 = EC.

413.58

414.791	414.8.91	414.811
$\frac{1.3}{15}$	$\frac{113}{15}$	$\frac{121}{15}$

414.011	414.101	413.991
$\frac{2.01}{15}$	$\frac{184}{15}$	$\frac{2.03}{15}$

413.081	413.131	413.051
$\frac{2.94}{15}$	$\frac{281}{15}$	$\frac{2.97}{15}$

$\frac{416.02}{2}$		
412.481	412.521	412.451
$\frac{1.10}{15}$	$\frac{106}{15}$	$\frac{113}{15}$

411.671	411.771	411.801
$\frac{1.91}{15}$	$\frac{181}{15}$	$\frac{1.78}{15}$

410.92	410.95	410.91
$\frac{2.66}{15}$	$\frac{2.63}{15}$	$\frac{2.67}{15}$

410.07	409.77	409.40
$\frac{2.51}{15}$	$\frac{381}{15}$	$\frac{4.15}{15}$

413.58



Levels on E Lane paving Torrey Pines Mass  
4:11 + 01.80 to 413 + 35.92  
461 + 00 E Torrey Pines Grade  
Stationing.

Indexed  
c.s.K.

Plan 2

T.P. 0.36 408.71 11.91 408.19

+50

408.71 410.79  
w edge post.  $\frac{11.91}{2}$   $\frac{981}{22}$

413

410.89 412.41  
w edge post  $\frac{921}{50}$   $\frac{769}{50}$

+50

413.03 413.27 414.31  
 $\frac{707}{3.2}$   $\frac{6.83}{10.8}$   $\frac{5.74}{10.8}$

412

415.02 415.37 415.90  
 $\frac{588}{6.8}$   $\frac{4.73}{13.2}$   $\frac{1.20}{13.2}$

+50

416.88 417.14 417.36  
 $\frac{3.24}{9.2}$   $\frac{2.96}{10.8}$   $\frac{2.74}{10.8}$

411 + 0180 BC

418.44 418.60 418.61  
 $\frac{1.66}{10}$   $\frac{1.50}{10}$   $\frac{1.44}{10}$

T.P. 11.90 420.10 104 408.90  
B.M. Hub 12.47 409.24 396.77  $\frac{30' RP \text{ set}}{4.7 + 2.4 + 5}$

420.10 v



+74.45

T.P. 258 398.45 1271 395.24

+24.45

4.16

+50

4.15

+50

4.14

408.55

$$\begin{array}{r} 394.52 \\ 390 \\ \hline \end{array}$$

$$\begin{array}{r} 395.03 \\ 399 \\ 158 \\ \hline \end{array}$$

398.45

$$\begin{array}{r} 396.50 \\ 12.00 \\ 1.8 \\ \hline \end{array}$$

396.59

1196

$$\begin{array}{r} 397.54 \\ 1103 \\ 18.2 \\ \hline \end{array}$$

$$\begin{array}{r} 397.48 \\ 1107 \\ 0.4 \\ \hline \end{array}$$

397.50

1105

$$\begin{array}{r} 398.70 \\ 985 \\ 19.6 \\ \hline \end{array}$$

$$\begin{array}{r} 399.60 \\ 8.55 \\ 7.6 \\ \hline \end{array}$$

$$\begin{array}{r} 401.17 \\ 7.23 \\ 21.6 \\ \hline \end{array}$$

$$\begin{array}{r} 401.86 \\ 6.67 \\ 3.9 \\ \hline \end{array}$$

$$\begin{array}{r} 403.50 \\ 5.05 \\ 2.9 \\ \hline \end{array}$$

$$\begin{array}{r} 404.18 \\ 4.37 \\ 3.6 \\ \hline \end{array}$$

$$\begin{array}{r} 405.73 \\ 2.82 \\ 23.2 \\ \hline \end{array}$$

$$\begin{array}{r} 406.45 \\ 2.10 \\ 3.2 \\ \hline \end{array}$$

$$\begin{array}{r} 408.06 \\ 0.49 \\ 23.2 \\ \hline \end{array}$$

408.55



401

$\frac{8.66}{15}$  8.53  $\frac{8.58}{15}$

+50

$\frac{6.84}{15}$  6.74  $\frac{6.80}{15}$

400

$\frac{4.00}{15}$  3.81  $\frac{3.81}{15}$

T.P. 147 386.81 12.19 395.34

386.81

399+50

$\frac{12.54}{15}$  12.17  $\frac{12.10}{15}$

418+35.94 end layout  
 $\frac{399+07.68}{15}$

$\frac{10.82}{15}$  10.33  $\frac{10.38}{15}$

418

$\frac{9.20}{15}$  8.05  $\frac{8.18}{15}$

417+50

$\frac{7.00}{15}$  6.57  $\frac{6.25}{15}$

BM 324 0.76 397.53 396.77 30' RPHub

397.53

ch to BM. 165 396.77 396.77  
30' RPHub

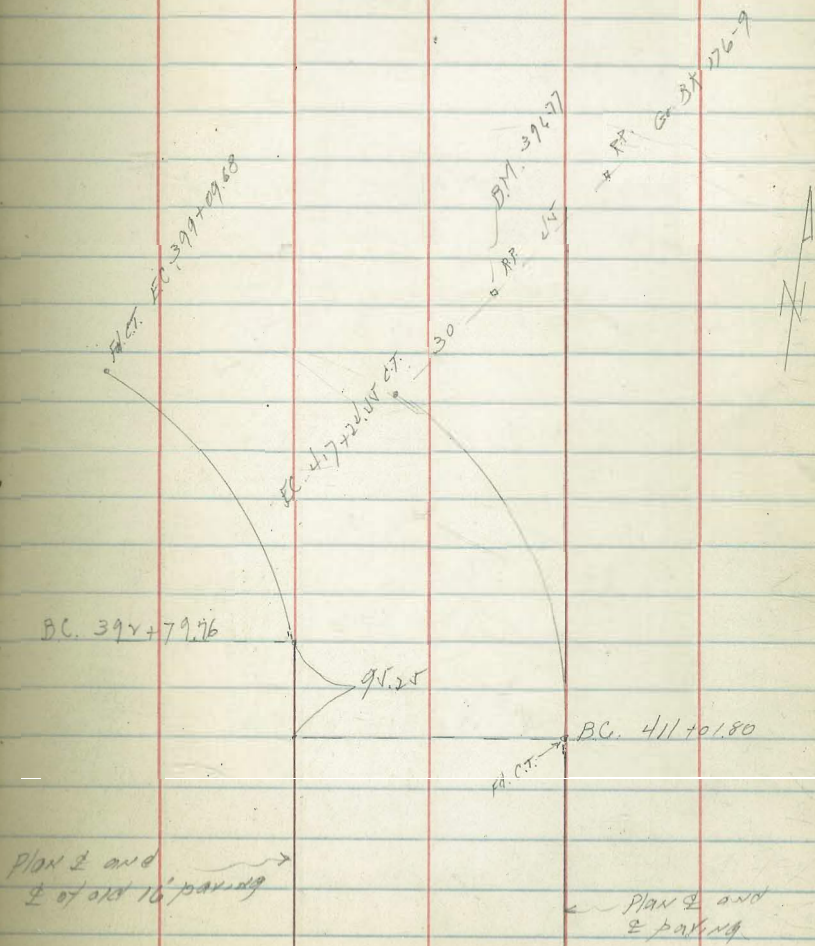
417+24.45 EC. CT.

397.31 397.48  
6.1  $\frac{5.94}{15}$

398.42



Tie betw. Sta 411+01.80 E Lane and  
" 392+79.96 W "





W LANE Torrey Pines 11059  
B.C. 392 + 7976 to 399 + 0968 E.C.

+50

395

J.P. 036 408.55 ✓ 11.91 408.19

+50

394

+50

393

392 + 7976 B.C.

420.10 π p 49

Indexed  
C.S.K.

Plan 2

53

407.07	407.51	407.88
$\frac{6.78}{11.0}$	6.04	$\frac{5.67}{9.0}$

404.61	404.97	405.34
$\frac{3.94}{10.2}$	3.58	$\frac{2.21}{9.6}$

408.55 ✓

407.00	407.47	407.80
$\frac{13.10}{10}$	12.68	$\frac{12.30}{10}$

409.48	409.78	410.22
$\frac{10.62}{9.2}$	10.22	$\frac{9.88}{10.3}$

411.94	412.22	412.66
$\frac{8.16}{8.4}$	7.88	$\frac{7.22}{11.6}$

414.40	414.68	415.07
$\frac{5.70}{7.8}$	5.42	$\frac{5.03}{11.2}$

415.30	415.57	415.97
$\frac{4.80}{5.6}$	4.53	$\frac{4.15}{12.4}$

420.10



399

+50

398

+50

T.P.

258

398.42 ✓

1271

395.84

397

+50

396

408.55 ✓

387.11 387.63

$$\begin{array}{r} 11.37 \\ \hline 15 \end{array} \quad 1079$$

389.35 389.87

$$\begin{array}{r} 9.07 \\ \hline 11.5 \end{array} \quad 8.55$$

391.50 392.07

$$\begin{array}{r} 6.99 \\ \hline 14 \end{array} \quad 135$$

393.59

$$\begin{array}{r} 283 \\ \hline 132 \end{array}$$

394.13

429

398.42 ✓

395.51 396.00 396.30

$$\begin{array}{r} 13.04 \\ \hline 130 \end{array} \quad 12.44 \quad \begin{array}{r} 12.25 \\ \hline 7.0 \end{array}$$

397.48 397.95 398.27

$$\begin{array}{r} 11.97 \\ \hline 12.4 \end{array} \quad 10.60 \quad \begin{array}{r} 10.23 \\ \hline 7.6 \end{array}$$

399.69 400.11 400.44

$$\begin{array}{r} 5.56 \\ \hline 11.8 \end{array} \quad 8.44 \quad \begin{array}{r} 8.11 \\ \hline 8.2 \end{array}$$

408.55 ✓



ch to B17

165

396.77

396.77  
30' RP/100

399+09.68 E. W Lane

398.42

386.71	387.19	387.23
$\frac{11.21}{14}$	11.23	$\frac{11.17}{14}$

398.42



Levels Torrey Pines Point  
399+09.68 to 410+78.50

16' wide

indexed  
C.S.R.

2

56

401

383.74 383.85 383.79  
 $\frac{2.86}{8}$  3.75  $\frac{3.81}{8}$

+50

385.44 385.59 385.54  
 $\frac{2.16}{8}$  2.01  $\frac{2.06}{8}$

T.P.

026 387.60 + 12.94 387.34

387.60

400

387.18 387.34 387.76  
 $\frac{13.10}{8}$  12.94  $\frac{13.04}{8}$

+50

388.94 389.06 388.96  
 $\frac{11.34}{8}$  11.22  $\frac{11.34}{8}$

399+09.68 EC

390.37 390.48 390.40  
 $\frac{9.91}{8}$  9.80  $\frac{9.88}{8}$

3 B.M. #1 BR. 10" I.P. 65' N. of Sta. 401 + 05 8.13 392.15 392.06

B.M. #16 35' 400.285 396.77 30' R.P. #16 400.285



+50

402

T.P.

0.24 374.94 12.90 374.70

+50

403

+50

404

401 +50

387.60

372.46	372.60	372.49
$\frac{248}{8}$	$\frac{244}{8}$	$\frac{245}{8}$

373.92	374.10	374.01
$\frac{102}{8}$	$\frac{084}{8}$	$\frac{093}{8}$

374.94

375.47	375.64	375.54
$\frac{1213}{8}$	$\frac{1196}{8}$	$\frac{1206}{8}$

377.09	377.18	377.11
$\frac{10.57}{8}$	$\frac{10.42}{8}$	$\frac{10.49}{8}$

378.69	378.83	378.74
$\frac{897}{8}$	$\frac{897}{8}$	$\frac{896}{8}$

380.34	380.49	380.39
$\frac{726}{8}$	$\frac{711}{8}$	$\frac{721}{8}$

382.03	382.16	382.03
$\frac{557}{8}$	$\frac{544}{8}$	$\frac{557}{8}$

387.60



TP 0.33 362.48 ✓ 1279 362.15

408

+50

407

+50

406

+50

405

374.94

364.00 362.15 362.07

$$\frac{1294}{8}$$

1279

$$\frac{1257}{8}$$

363.56

$$\frac{11.33}{8}$$

363.70

11.24

363.59

$$\frac{11.30}{8}$$

365.12

$$\frac{9.82}{8}$$

365.25

9.69

365.15

$$\frac{9.79}{8}$$

366.64

$$\frac{830}{8}$$

366.74

820

366.61

$$\frac{833}{8}$$

368.09

$$\frac{6.80}{8}$$

368.19

6.75

368.05

$$\frac{6.89}{8}$$

369.51

$$\frac{5.43}{8}$$

369.63

5.31

369.51

$$\frac{5.43}{8}$$

371.00

$$\frac{394}{8}$$

371.14

380

371.03

$$\frac{391}{8}$$

374.94 ✓



302.45  
 1.00  
 12.77  
 28.11  
 94.0  
 308.4  
 27.10  
 1.2  
 49.09  
 372.7

396.7  
 11.76  
 100 30 99 4 10

411  
 +7880

+50

410

+50

409

408 +50

362.48

$\frac{350.77}{1170}$      $\frac{350.83}{1165}$      $\frac{350.74}{1176}$

$\frac{351.42}{1106}$      $\frac{351.51}{1097}$      $\frac{351.38}{1110}$

$\frac{352.43}{1005}$      $\frac{352.55}{993}$      $\frac{352.45}{1005}$

$\frac{354.36}{810}$      $\frac{354.44}{804}$      $\frac{354.29}{819}$

$\frac{356.28}{620}$      $\frac{356.45}{602}$      $\frac{356.35}{615}$

$\frac{358.31}{4.17}$      $\frac{358.43}{4.05}$      $\frac{358.33}{4.15}$

$\frac{360.23}{2.25}$      $\frac{360.40}{2.08}$      $\frac{360.33}{2.15}$

362.48



Moore  
Oct. 16-35

Indexed  
C.S.K.

2

60

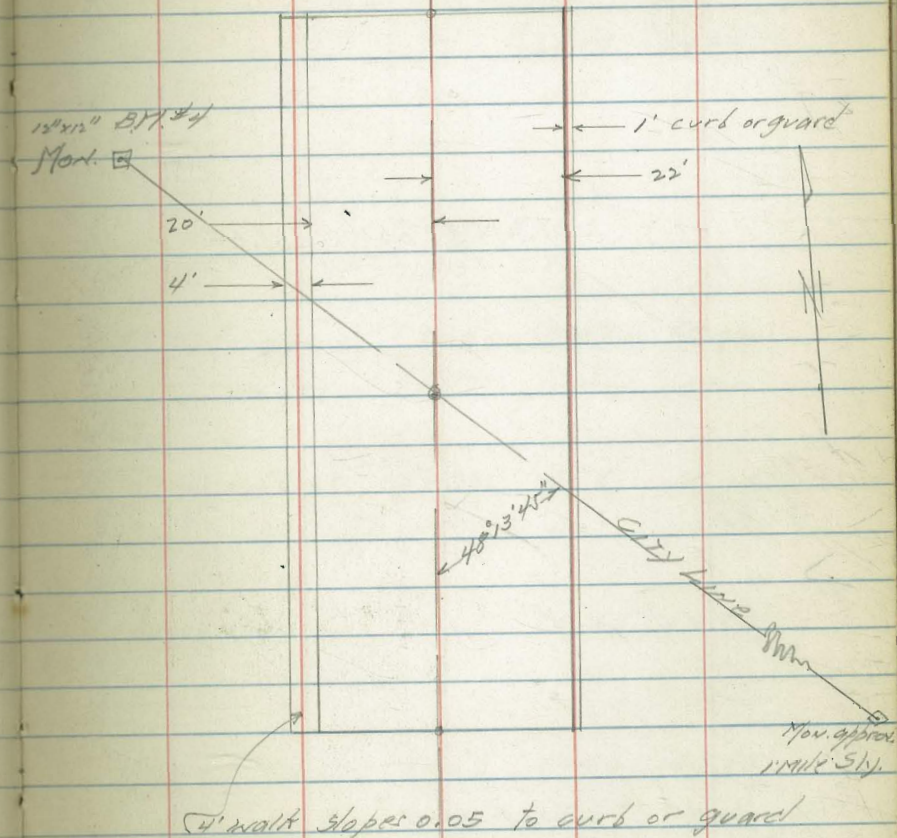
Location of overhead xing on  
Torrey Pines Rd. at City Line S. of Del Mar.

Levels p 61

18+13.70

15+41.83

12+61.0





Levels on Overhead xing  
 12+61.70 13+13.70 on Torrey pines  
 Highway at City Limits line S. of Del Mar

N

6	cut	Σ	cut	6
1027	20		24	27
<u>64.91</u>	<u>64.06</u>	<u>64.73</u>	<u>64.12</u>	<u>64.97</u>
687	767	750	761	676

+50

<u>62.44</u>	<u>61.60</u>	<u>61.72</u>	<u>61.59</u>	<u>62.43</u>
929	1013	1001	1014	930

T.P.

1181 77.85 ✓ 0.24 66.04

77.85 ✓ U.S.G.S.  
 71.73 ✓ City

14

<u>59.92</u>	<u>59.10</u>	<u>59.29</u>	<u>59.08</u>	<u>59.90</u>
024	106	087	108	026

+50

<u>57.47</u>	<u>56.68</u>	<u>56.73</u>	<u>56.56</u>	<u>57.44</u>
269	348	343	360	272

13

<u>55.04</u>	<u>54.24</u>	<u>54.25</u>	<u>54.10</u>	<u>54.92</u>
514	592	591	626	524

12+61 - So. end Overhead xing

<u>53.24</u>	<u>52.38</u>	<u>52.30</u>	<u>52.09</u>	<u>52.90</u>
694	778	786	807	723

T.P.

1247 66.28 ✓ 1.04 53.81

66.28 ✓ U.S.G.S.

B.M. #4

1247 54.85 42.38 12" x 12" Ven

60.16 ✓ City

177.27 17+05



+13.70 N end overhead ring

15

check to grade

69.7  
70.1  
70.5  
70.9

+50.

17

+50

T.P.

12.5

89.81

0.39

77.46

89.81 U.S.G.S.

83.69 City

16

N+50

77.85

W of Gut E  
20 LT. 20 22 22 RT.

80.61 79.86 80.01 79.83 80.60  
308 383 308 386 309

79.97 79.16 79.30 79.11 79.97  
374 453 439 458 374

77.45 76.65 76.80 76.63 77.45  
624 704 689 706 624

74.96 74.12 74.30 74.09 74.92  
873 957 939 960 877

72.44 71.62 71.79 71.65 72.47  
1125 1207 1190 1202 1122

69.95 69.12 69.26 69.11 69.95  
178 261 247 262 178

67.38 66.54 66.77 66.56 67.42  
425 519 496 517 431

77.85 U.S.G.S.

71.73 City

62



W. Lane Torrey Pines Mesa Rd.  
283 to 285 + 72

63

+72 See p 47

+50

285

+50

284

+50

283

458

412.15 ✓

407.57

403.09 ✓ 403.30 ✓ 403.05 ✓  
 $\frac{926}{10}$  885  $\frac{910}{10}$

402.74 ✓ 402.89 ✓ 402.80 ✓  
 $\frac{921}{10}$  926  $\frac{935}{10}$

402.65 ✓ 402.78 ✓ 402.69 ✓  
 $\frac{950}{10}$  937  $\frac{946}{10}$

402.55 ✓ 402.65 ✓ 402.58 ✓  
 $\frac{960}{10}$  950  $\frac{957}{10}$

402.43 ✓ 402.58 ✓ 402.50 ✓  
 $\frac{970}{10}$  957  $\frac{965}{10}$

402.40 ✓ 402.48 ✓ 402.47 ✓  
 $\frac{980}{10}$  987  $\frac{993}{10}$

412.15 ✓  
3



W Lane  
Torrey PINAS Mesa

id pav.

64

397 + 79.76 p 53

+50

$\frac{6.58}{8}$

6.58

$\frac{5.96}{15}$

397

$\frac{4.65}{8}$

4.65

$\frac{4.23}{12}$

+50

$\frac{3.74}{8}$

3.74

$\frac{2.95}{14}$

391

$\frac{1.95}{8}$

1.95

$\frac{2.00}{10}$

390 + 50

$\frac{1.10}{8}$

0.98

$\frac{1.16}{10}$

4.70

423.14

418.44

Pav. E1  
10 LT  
411 + 01.80

423.14



E. Lane  
Torrey Pines Mesa Rd.  
20' wide

2 Pav

65

411+0180 BC:

410+50

$\frac{328}{10}$

319

$\frac{323}{10}$

410

$\frac{288}{10}$

197

$\frac{284}{10}$

409+50

$\frac{294}{10}$

285

$\frac{290}{10}$

Pav. El. 470

423.4

418.44

10' LT

of B.C.

411+0180

423.4

7



Torrey Pines Park Rd.  
 30' to 10' wide.  
 STA 395 to 399+09.68

+50

$\frac{1289}{9}$     1280     $\frac{1280}{9}$

$\frac{398+03.54}{4+20.48}$  BC

$\frac{1130}{10}$     1121     $\frac{1110}{10}$

+50

$\frac{933}{10}$     924     $\frac{932}{10}$

397

$\frac{761}{10}$     748     $\frac{752}{10}$

+50

$\frac{533}{10}$     526     $\frac{524}{10}$

396

$\frac{418}{10}$     407     $\frac{420}{10}$

+50

$\frac{239}{10}$     230     $\frac{242}{10}$

395

$\frac{050}{10}$     044     $\frac{073}{10}$

BM xxv 845

405.22

396.77 30' R.P.

$\frac{405.22}{3}$



39

5

3















































Measured ahead to 299+00

Measured back from 311+00<sup>2</sup> EC to 299+00 Made 299+00  
to 300+00 actually 102

Measured from 311+91<sup>2</sup> EC to 340+08<sup>2</sup> EC. Made EC  
341+07<sup>2</sup>

Meas. back from 371+26.04 - Make EC. 342+03.6

Meas. back from 394+00 - Make  $\Delta$  371+24.9

= 274+98.75 B.C. Mesa.

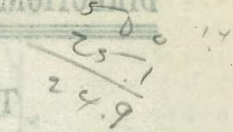
274+79.26 Rose Canyon

# 8  
396.55  
379+60

10 30

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.



Distance of slope stake from side or shoulder stake for any width roadway, slope 1/2 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body

IMPROVED TABLES AND INFORMATION

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given L may be found by dividing tangent (or external), opposite L by given tangent (or external). The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.



395.65

7 3.71

sta 371 + 26.04 # point