

D. A. Loebenstein

1212

~~ALCO~~

FIELD BOOK

~~160~~

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.87	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

70.71 to 90.00
 70.71 to 90.00
 70.71 to 90.00

F- 2+00 67-34' LT
 F 1+00 80+40' LT 64886

11506
 2002
 11474
 115
 20
 11235
 247.55

ENGINEERING DEPARTMENT,
 SAN DIEGO,
 CITY OF
 CALIFORNIA.

LT 809021

LT 9d571

Hub
+ 210 Pot

10 + 8

14 + 80

8012

TABLE OF STADIA REDUCTIONS
For a Constant of 100.
ROD VERTICAL.

Min.	0°		1°		2°		3°		4°		5°		6°		7°	
	Hgt. Dist.	Diff. Elev.	Hgt. Dist.	Diff. Elev.	Hgt. Dist.	Diff. Elev.	Hgt. Dist.	Diff. Elev.	Hgt. Dist.	Diff. Elev.	Hgt. Dist.	Diff. Elev.	Hgt. Dist.	Diff. Elev.	Hgt. Dist.	Diff. Elev.
0	100.00	.00	99.97	1.74	99.88	3.40	99.73	5.23	99.51	6.98	99.24	8.68	98.91	10.40	98.51	12.15
2	100.00	.12	99.97	1.86	99.87	3.60	99.71	5.40	99.50	7.07	99.23	8.74	98.90	10.45	98.50	12.21
4	100.00	.23	99.96	1.92	99.87	3.68	99.71	5.40	99.49	7.13	99.21	8.85	98.87	10.51	98.47	12.26
6	100.00	.32	99.96	1.98	99.86	3.72	99.70	5.46	99.47	7.25	99.19	8.97	98.85	10.63	98.44	12.30
8	100.00	.39	99.96	2.04	99.86	3.78	99.69	5.52	99.47	7.30	99.18	9.08	98.83	10.74	98.43	12.33
10	100.00	.45	99.95	2.09	99.85	3.84	99.69	5.57	99.46	7.30	99.18	9.14	98.82	10.83	98.42	12.35
12	100.00	.50	99.95	2.15	99.85	3.90	99.68	5.63	99.45	7.30	99.18	9.20	98.81	10.91	98.40	12.37
14	100.00	.54	99.95	2.21	99.84	3.96	99.67	5.69	99.44	7.29	99.17	9.26	98.80	10.98	98.39	12.39
16	100.00	.58	99.95	2.27	99.84	4.01	99.66	5.75	99.43	7.28	99.16	9.32	98.79	11.05	98.37	12.41
18	100.00	.62	99.94	2.33	99.83	4.07	99.66	5.80	99.43	7.28	99.16	9.38	98.78	11.12	98.35	12.43
20	100.00	.65	99.94	2.38	99.83	4.13	99.65	5.85	99.42	7.27	99.15	9.43	98.77	11.19	98.34	12.45
22	100.00	.69	99.94	2.44	99.82	4.19	99.65	5.90	99.41	7.26	99.14	9.49	98.76	11.26	98.32	12.47
24	100.00	.72	99.94	2.50	99.82	4.24	99.64	5.96	99.40	7.25	99.13	9.54	98.75	11.33	98.31	12.49
26	99.99	.76	99.94	2.56	99.81	4.30	99.63	6.01	99.39	7.24	99.12	9.60	98.74	11.40	98.29	12.51
28	99.99	.79	99.93	2.62	99.81	4.36	99.63	6.06	99.38	7.23	99.11	9.66	98.73	11.47	98.28	12.53
30	99.99	.81	99.93	2.68	99.81	4.42	99.62	6.11	99.37	7.22	99.10	9.71	98.72	11.54	98.27	12.55
32	99.99	.84	99.93	2.73	99.80	4.48	99.62	6.15	99.36	7.21	99.09	9.77	98.71	11.61	98.26	12.57
34	99.99	.87	99.93	2.79	99.80	4.54	99.61	6.21	99.35	7.20	99.08	9.82	98.70	11.68	98.25	12.59
36	99.99	.90	99.92	2.85	99.79	4.60	99.60	6.26	99.34	7.19	99.07	9.88	98.69	11.75	98.24	12.61
38	99.99	.93	99.92	2.91	99.78	4.66	99.59	6.31	99.33	7.18	99.06	9.94	98.68	11.82	98.23	12.63
40	99.99	.96	99.92	2.97	99.78	4.72	99.59	6.36	99.32	7.17	99.05	10.00	98.67	11.89	98.22	12.65
42	99.99	.99	99.91	3.02	99.77	4.78	99.58	6.41	99.31	7.16	99.04	10.06	98.66	11.96	98.21	12.67
44	99.99	1.02	99.91	3.08	99.77	4.84	99.57	6.46	99.30	7.15	99.03	10.12	98.65	12.03	98.20	12.69
46	99.99	1.05	99.90	3.14	99.76	4.90	99.56	6.51	99.29	7.14	99.02	10.18	98.64	12.10	98.19	12.71
48	99.99	1.10	99.90	3.20	99.75	4.96	99.55	6.56	99.28	7.13	99.01	10.24	98.63	12.17	98.18	12.73
50	99.99	1.15	99.90	3.26	99.74	5.02	99.54	6.61	99.27	7.12	99.00	10.30	98.62	12.24	98.17	12.75
52	99.98	1.21	99.89	3.32	99.73	5.08	99.53	6.66	99.26	7.11	98.99	10.36	98.61	12.31	98.16	12.77
54	99.98	1.27	99.89	3.38	99.72	5.14	99.52	6.71	99.25	7.10	98.98	10.42	98.60	12.38	98.15	12.79
56	99.98	1.33	99.88	3.44	99.71	5.20	99.51	6.76	99.24	7.09	98.97	10.48	98.59	12.45	98.14	12.81
58	99.98	1.39	99.88	3.50	99.70	5.26	99.50	6.81	99.23	7.08	98.96	10.54	98.58	12.52	98.13	12.83
60	99.98	1.45	99.88	3.56	99.69	5.32	99.49	6.86	99.22	7.07	98.95	10.60	98.57	12.59	98.12	12.85
c=1.15	.75	.01	.75	.02	.75	.03	.75	.05	.75	.06	.75	.07	.75	.08	.74	.10
c=1.15	1.15	.01	1.15	.03	1.15	.06	1.15	.07	1.15	.09	1.14	.11	1.14	.13	1.14	.15
c=1.90	1.90	.02	1.90	.05	1.90	.08	1.90	.12	1.89	.15	1.89	.18	1.89	.21	1.88	.25

Published by the A. L.H. Co., San Francisco, Cal.

PLUMOSA PARK
POINSETTIA DRIVE 60' WIDE

STREET ALIGNMENT.

9+07.90 P.T. 02° 18' 04' 36'
 9 2° 04.802 L=8269
 +50 0° 41.367 LC=82.67
 8+25.21 P.C. LT. 02° 18' DI=1.6687
 60.5 DS=1923.435
 CH=49.99

244
 49.79
 3.38

~~7+65.37 P.O.T.~~
~~7+65.06~~

P.T. END 20' RS. CURVE RT. SIDE BEGONIA AT C POSITION.

5+80.67 P.T. 15° 41' 45" 31° 23' 30" ← 31-23-2
 +75 14° 44.412 RS=170
 +50 10° 31.636 L=93.14
 +25 6° 18.860 LC=91.98
 5 2° 06.084 DI=10.111
 CH=249.78

P.O.C. END LT SIDE BEGONIA AT C POSITION

4+87.53 P.C. RT.
 (15)

+12.53 P.T. 11° 18' 40" 22° 37' 20"
 4 10° 03.112 RS=285
 +75 7° 32.334 L=112.53
 +50 5° 01.556 LC=111.80
 3+25 2° 30.778 DI=6.031
 DS=2430.778
 3+00.00 P.C. LT. CH=2498

90° 00' RT. OF N L ELLIOTT

0+00 = P.OINSETTIA AND N L ELLIOTT

25' RS P.L. RETURN ON RT.

POINSETTIA
& NOYES

DRIVE
60' WIDE

LT

11+30.25
11+30.64

11+34.89

~~11+34.32~~ END ? = INTER. OF PSTIA AND N.L. TRACT.

10+83.12 P.O.T.

= N.W. DAFF. AND PSTIA.

10+74.41 P.O.T.

= N.E. DAFF. AND PSTIA.

10+18.74 P.O.T.

= S.W. DAFFODIL AND POINSETTIA.

9+72.76 P.O.T.

= PT. 40' RS DAFFODIL LT P.T.

9+07.90 PT

22+92

JONQUIL DRIVE
 #NOTES 60' WIDE

6+59.03 P.C.C. $22^{\circ}32'37''$ $45^{\circ}05'15''$
 6+50 P.C.C. $21^{\circ}57'33''$ $RS=440$
 6+0637 P.O.C. $15^{\circ}06'55''$ $L=346.25$
 6 $18^{\circ}42'09''$ $LC=337.38$
 +50 $15^{\circ}26'69''$ $D.I.=3.907'$
 5 $12^{\circ}11'379''$ $D=50=3^{\circ}15.320'$
 +50 $8^{\circ}56'059''$ $CX=49.97$
 4 $5^{\circ}40'739''$
 +50 $2^{\circ}25'419''$
 3+12.78 P.C. LT.

= BEGIN 20' RS LT TURN INTO LT SIDE
 BEGONIA (LC BACK P.C.C.)

5938

2+5340 P.T. $05^{\circ}10'375''$ $10^{\circ}21'15''$
 +50 $4^{\circ}59'313''$ $TC=516.8500$
 2 $2^{\circ}13'028''$ $L=93.40166$
 1+60⁰⁰ P.C. P.T. $LC=93.27$
 $D.I.=3.3257'$
 $D50=2^{\circ}46'.285$
 $CX=49.98$

0+00⁰⁰ = JONQUIL AND N. L. ELLIOTT

JONQUIL
& NOTES

DRIVE
60 WIDE

7+8346 P.T.	$20^{\circ}58' - 07\frac{1}{2}$	$41^{\circ}56'15''$
+75	$19^{\circ}32.577$	$118 = 170$
+50	$15^{\circ}19.801$	$L = 121.46$
+25	$11^{\circ}07.025$	
7	$6^{\circ}54.249$	$LC = 118.99$
+75	$2^{\circ}41.473$	$DI = 10.111$
6+5903 P.C.C.		$D25 = 4^{\circ}12.776$
		$CH = 249.78$

END LT. LINE JONQUIL AND LT. LINE
BEGONIA.

7+8049
247
7+8346

NARCISSUS DRIVE
60' WIDE

NOTES

CON

6+75
+50 27°13.456'
+40.00 26°29'48"
+25

23790 LG

X

34800

6 23°33.088

+75

+50 19°52.720'

+25

5 16°12.352'

+75

+50 12°31.984'

+25

4 8°51.616'

+75

+50 5°11.248"

+25

3 1°30.880'

2+79.38 P.C. RT.

274.85

+09.06 POT

0+04.53 POT

0+00 POT

= LT. LINE NARC. AND N. L. ELLIOTT.

= E NARC. AND N. L. ELLIOTT

= RT. LINE NARC. AND N. L. ELLIOTT ST.

81°24.5400 RT. N. L. ELLIOTT.

NARCISSUS
& NOTES

DRIVE
60' WIDE

END

8+81.83	PT	44°15'13"	88°30'26"
+75			P=390
+50		41°54.928'	L=60245
+25			LIC=544.32
8		38°14.560'	DI=4.40736'
+75			DZ5=1°50.184'
+50		34°34.192'	DS6=3°40.968'
+25			CH23'
7		30°53.824'	CH.50=49.96
6+75			
6+50		27°13.456'	

BEGONIA DRIVE
 & NOTES 60' WIDE

6+01.98 PC RT

(279.86)

5+71.92 P.O.T

30' LT = END 20' RS RET. LT. LINE NARCISSUS

4+22.93 P.O.T

30' RT = BEG. LT. LINE DAFFODIL

3+61.99 P.O.T

30' RT = BEG. RT. LINE DAFFODIL

3+22.12 P.T.

16° 44' 50" 33° 29' 40"

26

= P.O.C. IN D RT LINE NARCISSUS

3

15° 07' 34.7" I = 390

+75

13° 17' 15.8" L = 227.99

+50

11° 26' 37.4" LC = 224.76

+25

9° 36' 7.9" DI = 4.4074'

2

7° 46' 6.07" D25 = 1° 50.184

2691⁰⁰

+75

5° 56' 42.3" CX = 24.995

+50

4° 06' 23.9'

~~+35.54 P.O.C.~~

~~3° 02' 16.7"~~

END 20' RS. RETURN FROM LT. LINE HYACINTH
 TO RT. LINE BEGONIA

+25

2° 16' 05.5'

1

0° 25' 8.71"

544 635

+94.13 P.C. CLT

17° 58' 40" 35° 57' 20"

+75

14° 19' 43.7" I = 150

+50

9° 32' 9.58" L = 94.13

+25

4° 46' 47.9" LC = 92.60

0+00 PC = LT

DI = 11.159

PC HYACINTH DRIVE

D25 = 4° 46' 47.9"

CX = 24.971

BEGONIA DRIVE

13+07.16 P.O.C. 47°16'52" 94°33'45" END
 +75 43°32.794 R_s=170
 +50 39°20.081 L=280.57
 +25 35°07.242 L.C.=249.82
 13 38°54.466 D₁'=10.111
 +75 26°41.690 D₂₅'=4°12.776
 +50 22°28.94 C_x'=249.78
~~+29.06 P.O.C.~~ 18°57'12" (148.20)
 +25 18°16.138
 12 14°03.362
 +75 9°50.586
 +50 5°31.810
 +25 1°25.034
 11+16.59 P.C.LT.
 (148.28) 23°28'
 9 +67.6 P.T. 11°42'12" 23°24'25"
 +50 11°08.372 R=895
 ✓ +29.54 P.O.C. 10°29'05" L=365.63
 9 9°32.347 L.C.=362.09
 +50 7°56.322 D₁'=1.9205 5176
 8 6°20.297 D₅₀'=1°36.025'
 +50 4°44.272 C_x'=499.93
 7 3°08.247'
 +50 1°32.222'
 6+01.98 P.C.RT 49.64

BEGONIA DRIVE
 60' WIDE

= PC 20' P_s RETURN TO RT LINE POINSETTIA
 CENTER 50' RT 7+65.37 POT. PISTIA
 (L.C.=110.44)

= END LT. L. JONQUIL

= END 20' P_s RETURN END RT LINE JONQUIL
 (L.C.=38.06 BACK PT)

DAFFODIL DRIVE
 & NOTES 60' WIDE

6+88.13 P.T.	19°24'45"	38'49.30"	
+75	17°54.503'	R=250	
+50	15°02.616'	L=169.41	
+25	12°10.722'	LC=166.15	
6	9°18.842'	DI=6.876'	
+75	6°26.955'	DZS=251.887'	7.99
+50	3°35.068'	CH=24.99	
+25	0°43.181'		7.04

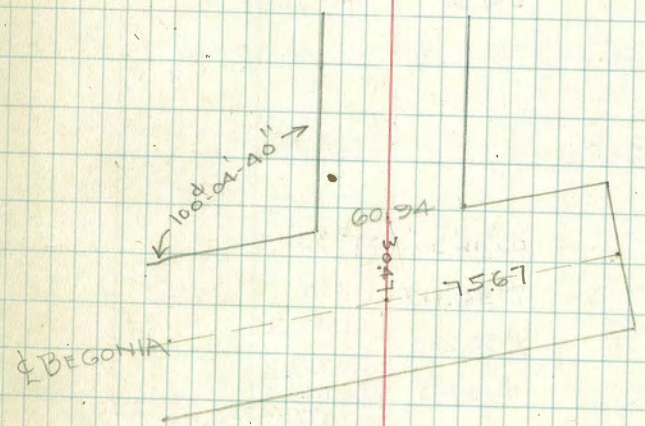
5+18.72 P.C. P.T.
 34.6

3+84.12 P.T.	57°25'15"	114°50'30"	
+75	54°09.316'	R=80	
+50	45°12.168'	L=160.35	
+25	36°15.020'	LC=134.82	
3	27°17.872'	DI=21.486'	
+75	18°20.724'	DZS=8°57.148	
+50	9°23.576'	CH=24.898	
+25	0°26.428'		

2+23.77 P.C. L.T.

0+10.66 POT (10.66) (100°04'40" RT)
 0+105.33 POT
 0+00 = LT LINE DAFF AND RT LINE BEGONIA.

& DAFFODIL



= RT LINE DAFF AND RT LINE BEGONIA
 - & DAFF AND RT. L. BEGONIA
 FROM & DAFF

DAFFODIL DRIVE

60' WIDE

END

11+25.69 P.O.T.

(145.86)

= RT LINE DAFF. AND RT LINE PSTIA DRIVE

10+81.71 P.O.T.

(101.89)

= 30' RT OF 40' RT. RETURN LT. LINE INTO RT LINE PSTIA DRIVE

9+79.83 P.T.

+50

03°46'30" 07°33'

2°56.715 R=1030

1°33.280 L=135.73

48.54

+50

0°09.845' K=135.62

DI=1.6687

DS=1°23.435

CH=4999

576

8+44.10 P.C. LT.

(155.97)

6+88.13 P.T.

3.2 x
86.13

HYACINTH DRIVE
 60' WIDE

8+19.88	P.C.C.	10° 01' 15"	20° 02' 30"	
8+20.75	P.C.C.	9° 07.009'	20° 02' 30"	
+50		6° 50.591'	R=630	47.63
7		4° 34.173'	L=22+27 (2) 220.37	
+50		2° 17.755'	K=219.24	
6		00° 01.337'	D1=272837	14.75
5+99.51	P.C.LT.		D50=2° 16' 418	
(30)			CH=4499	
5+69.51	P.T.	17° 55' 20"	35° 50' 40"	
+50		14° 31.906'	R=165	
+25		10° 11.481'	L=10321	
5		5° 51.056'	K=2604	101.55 ✓
+75		1° 30.631'	D1=10.4174	
4+66.30	P.C.P.T.		D25=4° 20.425	
35			CH=24976	
4+66.30	P.O.T.			
4+31.30	P.O.T.	30'L+R.		= 0+00 P.C.LT BEGONIA
	(11177)			
2+150.4	P.O.T.			=
2+14.66	P.O.T.	30' AND 40'R.		= RT LINE HYAC. AND RL LINE AZALEA DRIVE
1+27.52	P.O.T.	30'R (2)		= RT LINE HYAC. AND WLY L. CHTSTX BLVD
10+15.75	P.O.T.	30'R.		= R HYAC. AND WLY L. CHTSTX. BLVD
10+07.875	P.O.T.			
0+00	P.O.T.	30'L		= LT LINE HYAC. AT R. AND WLY LINE CHTSTX. BLVD

6+34.51
 9
 7521

HYACINTH DRIVE
& NOTES

60' WIDE

R 165 Δ-26-41 L=7684
D₁'=10.4174 D₂₅'=4020.451

END

10 + 5⁰32.892
 +50 4⁰00.482' TS=930
 9 2⁰28.072' D₁'=18482'
 +50 0⁰55.662' D₅₀'=1⁰32.41
 CH=49994

8+19.88 P.C.C.
 TS=930

48.38'
29.16'

+39 A3RT 40-25-40 80-51-20
 +25 38⁰09.443 TF=170
 13 33⁰56.669' L=24088
 +75 29.4389 T=14482
 +50 25⁰31.115 D₁'=10.111
 +25 21⁰18.339 D₂₅'=412.776'
 12 17⁰05.563 CH=24978
 +75 12⁰52.787
 +50 8⁰40.011 (285.22)
 +25 4⁰27.235
 11 0⁰14.459
 10+98.57 P.C.C. 8⁰35-05" 17⁰10-10
 +50 7⁰05.308 TS=930
 10 5⁰32.892' L=27869
 +50 4⁰00.482 T=140-40
 9 2⁰28.072
 +50 0⁰55.662
 8+19.88 P.C.C.

AZALEA DRIVE
 & NOTES

60' WIDE

7+9535 P.O.T. LT. AND N.L. TRACT
 7+89.01 P.O.T. E AND N.L. TRACT
 7+8287 P.O.T. RT. LAND N.L. TRACT
 6+5885 P.O.T. RT. LAND LT. WISTERIA
 6+31.02 P.O.T. RT. LAND E WISTERIA
 6+1648 P.O.T. E AZALEA AND E WISTERIA
 6+03.19 P.O.T. LT. LAND RT. WISTERIA

5+33.19 PT. 20°18' 40°36'
 5 18°31.353' P=535
 +50 15°50.711' L=388.10
 4 13°10.069' K=37123
 +50 10°29.427' DI=321284
 3 7°48.785' DS=2°40.642
 +50 5°08.143' CH=
 2 2°27.501
 1+54.09 P.C.LT.

0+35.35

0+17.675

0+00

6+1648
 5+33.19
 8329

17123
 17083379
 5245
 26257
 1925
 15409
 3466

8714
 1750
 6964 3482

WISTERIA DRIVE
50' WIDE

3+09.55 P.O.T. RT. L. WIST. AND N.L. TRACT.

2+77.08 P.O.T. Φ WIST. AND N.L. TRACT

2+44.62 P.O.T. LT. L. WIS. AND N.L. TRACT

0+45.45 LT. L. AND RT. LINE AZALEA

0+33.34 Φ AND TCT. LINE AZALEA

0+21.23 RT. L. AND TCT. L. AZALEA

0+00 Φ = 6+16.48 Φ AZALEA DRIVE 64⁰⁰' TC

PLUMOSA DRIVE

4+26.76 P.C.

(25)

4+01.76 P.T

06°22' 12°44'

4

6°18.573 R=885
L=196.68

+50

4°41.463 LC=196.28

3

3°04.353 DI=194.22
D50=1°37H

48.1v

50.80

+50

1°27.243 CH=5000

43.93

45.67

2+0508 P.C.C.

18°39'05" 37°18'-10"

2

18°11.36' R=315

22.37

5.77

+75

15°54.92' L=20508

26.18

26.18

+50

13°38.52' LC=20150

+25

11°22.10' DI=54568

1

9°05.68' D25=2°16.42

+75

6°49.26' CH=24.99

+50

4°32.84'

0+25

2°-16.42'

0+00 P.C.L.T.

10+38.45

9+89.56

⊥ AT PT LINE
⊥ AT LT LINE
⊥ TO RETURN

6+62.25 PC RT.

3+46.25

(25.0)

6+37.25 P.T.

90°

180° 00'

R=67

L=21049

LC=13400

+25

84°45.8274 D1 = 24.1638' > 5.6549

6

74°04.4542 D2 = 10°04.925' - 10°41.3725'

+75

63°23.0824 CH = 24.85

+50

52°41.7099'

+25

42°00.5374

5

31°18.9649

+75

20°37.5924

+50

9°56.2199

4+26.76 PC RT

NARCISSUS

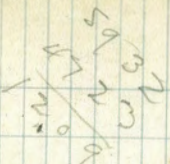
5.31

LT
0.19

RT

148.86

190



149.05

12.29

182

147.23

159.52

192

0.19

159.32

HUBLINE NARCISSUS AND H. LILLIOTT

SKIEW

LT

161.24

RT

0+00	161.2 9.0 60	161.2 9.0 41	160.6 0.6 41	160.4 0.8 41	159.9 1.5 20	160.0 1.2 20	159.3 1.9 0
0+50	160.3 0.9 60	159.4 18 41	158.9 2.3 41	159.1 2.1 41	158.0 3.2 20	158.4 2.8 20	157.9 3.3 0.0
1+00	159.3 1.9 60	158.5 2.7 40	157.8 3.4 40	158.3 2.9 41	157.1 4.1 20	157.5 3.7 20	156.2 4.7 0
1+50	157.1 4.1 60	155.9 5.3 41	154.4 5.8 41	155.8 5.4 41	154.4 6.6 20	154.6 6.2 20	154.5 6.7 0
2+00	155.1 6.1 60	154.3 6.9 41	153.8 7.4 41	153.7 7.5 41	152.6 8.6 20	152.6 8.6 20	151.1 10.0 0
2+50	156.2 5.0 60	155.3 5.8 42	154.8 6.4 42	154.6 6.5 42	154.0 7.2 22	154.5 6.7 21	153.5 7.7 0
2+79.38	155.9 5.3 60	155.0 6.2 43	154.3 6.9 43	154.4 6.8 41	153.6 7.6 21	153.6 7.6 21	151.3 9.9 0
3+00	155.4 5.8 60	154.6 6.6 42	154.1 7.1 42	154.0 7.2 41	153.0 8.2 21	153.0 8.2 21	151.1 10.1 0
3+50	155.9 5.3 60	155.5 5.7 42	154.8 6.4 42	155.0 6.2 41	154.7 6.5 21	155.4 6.0 21	154.2 7.0 0
4+00	155.1 6.1 60	154.7 6.5 40	154.0 7.2 40	154.4 6.8 41	153.2 7.6 20	153.2 7.6 20	153.2 8.0 0

531 NARCISSUS

	LT	161.24 ♀			♂		
4+50	1536 76 60	1529 83 37	1524 88 37	1528 84 ♀	1520 32 18	1524 88 18	1513 99 0
5+00	1534 78 60	1528 84 33	1524 88 33	1524 88 ♀	1517 95 14	1520 92 14	1516 96 0
PT	127	1546.8	7.83		153.41		
5+50	1530 17 60	1523 24 34	1519 28 34	1522 25 ♀	1516 3.1 13	1518 29 13	1516 3.1 0
6+00	1533 14 60	1529 18 39	1527 20 ♀	1529 18 ♀	1524 2.5 16	1525 27 0	1520 27 0
6+50	1546 0.1 60		1534 13 ♀	1526 13 ♀	1529 21 9	1527 28 0	
7+00	1543 0.4 60		1537 10 ♀		1536 1 12	1528 17 4	1528 19 0
7+50	151.5 3.2 60		151.4 33 ♀	1515 32 19	1517 3.0 10	1511 5.6 0	151.5 37 0
8+00	146.8 79 60	147.4 73 59	147.1 76 ♀	148.4 62 ♀	149.2 5.5 12	148.9 58 3	149.5 57 0
8+50	143.7 11.0 60	145.8 89 ♀	146.1 83 24	146.2 85 24	147.2 7.5 12	147.3 74 4	147.8 69 4
8+81.83	142.0 12.7 60		144.2 10.5 ♀	145.6 9.1 24	146.9 7.8 12	145.8 89 3	146.6 78 3
END							

531 BEGONIA
LT

154.68

RT

4 TP 1.63 13.13 141.55

143.18

5 TP 5.12 9.02 134.16

RIPE

LT 139.28 RT

0+00 134.2 133.3 132.6 132.0 131.9 131.7 129.2
5.1 6.0 6.7 7.3 7.4 7.6 11.1
0 15 19 20 ♀ 36 60

0+25 134.9 134.1 133.1 133.0 132.4 131.5 129.3
4.4 5.2 6.2 6.3 6.9 7.8 10.0
0 14 14 ♀ 40 43 60

0+50 135.7 135.4 134.5 134.6 134.1 132.9 131.8 130.9
3.6 3.9 4.8 4.7 5.2 6.4 7.4 8.4
0 5 5 2.9 ♀ 48 50 60

0+75 30.8 30.7 29.7 30.1 29.2 27.0
136.1 136.0 135.4 134.5 132.5
3.2 3.4 3.9 ♀ 68
0 3 3 1.8 4.8 6.0

1+00 31.2 30.9 30.4 30.5 29.5 28.1
136.5 136.2 135.7 135.8 135.8 133.4
2.8 3.1 3.6 3.5 4.5 5.9
0 2 3 1.4 ♀ 60

1+25 137.8 137.6 136.9 136.5 136.2 135.9 134.2 29.9
2.1 2.9 3.2 3.6 3.7 3.9 4.1
2.2 2.4 3.1 2.6 2.7 3.1 3.4 5.1
0 3 4 1.2 2.3 2.4 ♀ 60

1+50 33.0 32.9 31.9 32.5 31.7 31.3 29.5
138.3 138.2 137.2 137.8 137.0 136.6 134.8
1.9 1.1 2.1 1.5 2.3 2.7 4.5
0 3 3 1.7 2.3 ♀ 60

1+75 33.6 33.4 33.4 33.8 32.9 32.3 30.5
140.3 140.7 138.7 139.1 138.2 137.6 135.7
0.7 0.9 0.6 0.2 1.1 1.7 3.6
0 2 3 1.9 2.2 ♀ 60

2+00 37.6 37.5 36.3 36.5 36.3 34.3 141.55
142.9 142.8 141.6 141.8 140.6 139.6 137.3 32.0
7.7 7.8 9.0 8.8 10.0 11.0 13.3
0 2 3 1.9 2.3 ♀ 60

2+25 39.3 39.3 37.6 38.0 36.1 35.3 33.3
144.6 144.6 142.9 143.3 141.4 140.6 138.6
6.0 6.0 7.7 7.3 9.2 10.0 12.0
0 1 3 1.9 2.6 ♀ 60

BEGONIA

LT

ICT

2+50	40.1 145.4 143.3 5.2 5.1 0 2	150.60 143.7 143.9 6.9 6.7 2 17	143.6 144.3 141.6 7.0 8.3 9.0 21 25 30 T	139.3 11.3 60
2+75	145.8 145.8 144.1 4.8 4.8 6.5 0 3 3	144.7 143.0 6.4 7.6 3.7 2.5	142.7 8.4 6	140.1 10.5 60
3+00	146.3 146.2 144.8 4.3 4.4 5.8 0 3 4	145.0 143.9 5.6 6.7 2.2 2.6	143.2 7.4 6	140.9 8.7 60
3+22 12 P.C	146.8 146.4 3.8 4.0 0 3	145.8 143.5 4.8 5.1 3 2.4	144.7 6.4 6	142.0 8.6 60
3+50	148.0 147.6 147.2 2.6 3.0 3.4 0 2 2	146.2 4.4 2.4	143.6 5.0 6	143.2 7.4 60
4+00	149.2 1.4 0	148.3 2.3 1.5	147.6 3.0 6	143.9 4.7 60
4+50	10.64 151.4 3.5 0	160.86 151.0 3.5 6	0.38 151.0 3.5 6	150.22 149.9 11.0 60
5+00	154.1 6.8 0	153.6 7.3 6	153.6 7.3 6	153.4 8.5 60
5+50	154.9 6.0 0	155.0 5.9 6	155.0 5.9 6	154.5 6.2 60
6+00	154.8 154.6 6.1 6.3 0 1.0	155.0 5.9 1.0	155.4 5.5 6	155.5 5.4 60
6+0.98	154.8 154.6 6.1 6.3 0 1.0	155.0 5.9 1.0	155.4 5.5 6	155.7 5.7 60
6+50	154.4 154.1 6.5 5.8 0 1.1	154.9 155.3 6.0 5.6 1.9 1.9	155.7 5.2 6	156.5 4.4 60

W BEGONIA

♀

♂

7+00	1549 1549 54 1551 1550 1554 1559	16086	1569
	60 60 63 58 59 55 50		1567
	0 2 2 12 24 24 ♀		42
			60
	1564 1565 1560	1567 1565 1569 1566	1569 1572
7+50	45 44 49	42 44 40 43	40 37
	0 1 1	10 24 24 30	47 60
	1578 1578 1577 1578 1577 1579		1582
8+00	31 31 35	30 32 30	27
	0 1 1	14 25 ♀	60
	1604 1604	1601 1609 1604 1607 1607	1608
8+50	05 05	08 01 05 02 02	01
	0 3	3 14 26 26 ♀	60
TP	10.52	171.22	0.16 160.70
	1635 1630 1632 1627 1632 1636 1635		1629
9+00	77 76 80 75 80 76 77		83
	0 4 4 16 27 27 ♀		60
	1651 1647 1651	1644 1647 1646	1640
9+50	61 65 61	68 65 66	72
	0 0 11	27 27 ♀	60
	1656	1652 1646 1650 1648	1643
9+6761PT	56	60 66 62 64	69
	0	15 27 27 ♀	60
	1659 1644	1646 1646	1656
10+00	53 58	66 66	76
	0 15	26 ♀	60
	1663	1657 1650 1651	1643
10+50	49	55 62 61	63
	0	18 ♀ ♀	60
	1684 1675 1668 1670 1658 1661		1649
11	28 36 44 42 54 51		63
	0 8 8 16 29 ♀		60
	1687	1680 1672 1674 1662 1664	1651
11+1659	23	32 40 38 50 48	61
(= 7+8346)	0	8 8 15 ♀ ♀	60
(JONQUIL)			
	1687	1681 1674 1675 1663 1665	1652
11+25	25	31 38 27 49 47	60
	0	7 7 14 29 ♀	60

606
543

BEGONIA
5/6
LT

TCT

17122

11+50 1687 1683 1676 1678 1664 1665 1652
25 29 36 34 48 47 60
0 6 6 14 ♀ ♀ 60

11+75 1689 1685 1679 1682 1667 1669 1648
23 27 33 30 45 43 64
0 5 5 12 ♀ ♀ 60

12+00 1692 1686 1679 1683 1675 1677 1647
20 26 33 29 37 35 65
0 7 7 14 ♀ ♀ 60

TP 533 17460 195 16927

12+25 1703 1693 1684 1682 1673 1676
43 53 62 64 73 70
0 9 9 19 ♀ 60

12+50 1712 1689 1680 1677 1675 1646 1646
34 57 66 69 71 100 100
0 16 16 ♀ 35 58 60

12+75 1716 1690 1680 1678 1672 1664 1649
30 56 66 68 74 83 97
0 22 22 ♀ 40 45 60

13+00 1722 1690 1681 1679 1687 1655
24 56 65 67 79 71
0 24 24 ♀ 45 60

13+25 1720 1699 1692 1688 1667
26 47 54 58 79
0 20 20 ♀ 60

13+50 1722 1709 1699 1700 1687 1667
24 37 47 46 59 79
0 18 18 ♀ 44 60

13+75 1720 1711 1700 1698 1686 1657
26 35 46 48 60 89
0 15 15 ♀ 39 60

13+97.16 1716 1702 1693 1689 1673 1643
30 44 53 57 73 1028
0 17 17 ♀ 41 60

END

=518067

(2)

HYACINTH

32

	045	147.68		147.23
	024		1231	135.37
		135.61		
	082		1269	122.92
		123.74		

END CURSES

SKEW	LT			RT
0+00	120.7 3.0 0	118.3 54 4		116.0 7.7 61.02

0+50	119.5 4.2 0	119.0 4.7 C	118.7 5.0 17	118.1 5.6 Q	117.7 6.0 4	117.2 6.5 38½	116.8 6.9 47	115.7 8.0 60
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1+00	119.0 3.7 0	119.2 4.5 C	119.0 4.7 17	118.0 5.7 Q	118.2 5.5 C	117.9 5.8 Q	117.1 6.6 CB	116.8 6.9 60	115.5 8.7 60
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1+50	119.9 3.8 0	119.6 4.1 C	118.9 4.8 Q	119.0 4.7 C	118.6 5.1 Q	118.1 5.6 C	117.5 6.2 60
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2+00	121.5 2.2 0	121.0 2.7 C	120.9 2.8 17	120.3 3.4 Q	120.4 3.3 4	120.7 3.0 Q	120.2 3.5 C	119.9 3.8 C	119.3 4.4 60
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2+50	123.3 0.4 0	123.0 0.7 C	123.0 0.7 17	122.4 1.3 Q	122.2 0.9 4	122.1 1.7 Q	122.2 1.5 41	122.1 1.6 C	121.9 1.8 60
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P	981	133.22	033	123.41
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3+00	125.5 7.7 0	125.3 7.9 6	125.4 7.8 18	125.1 8.5 Q	125.1 8.1 4	125.2 8.0 Q	124.9 8.5 40	124.7 8.0 C	124.7 8.5 60
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3+50	127.7 5.5 0	127.2 6.0 C	126.8 6.4 19	126.2 6.8 Q	126.2 6.8 Q	126.8 6.4 4	126.1 7.1 Q	126.4 6.8 C	125.6 7.6 60
------	-------------------	-------------------	--------------------	-------------------	-------------------	-------------------	-------------------	-------------------	--------------------

4+00	129.3 3.9 0	129.1 4.1 C	128.7 4.5 19	128.2 5.0 Q	128.3 4.9 4	128.4 4.8 4	127.4 5.8 Q	126.2 6.0 40	127.1 5.8 40	126.2 6.1 C	126.2 7.0 60
------	-------------------	-------------------	--------------------	-------------------	-------------------	-------------------	-------------------	--------------------	--------------------	-------------------	--------------------

-35- Lt HYACINTH Rt

133.22
 1724 1321 1304 1304 1303 1305 1304 1300 1284 1267
 4+50 08 11 18 23 25 27 28 32 48 65
 0 10 C 20 Q E 35 Q G 60

TP 293 13591 0.24 137.98
 1356 1346 1327 1333 1331 1323 1316 1297 1285
 5+01,30 13 13 22 26 28 30 43 62 74
 0 2 4 13 Q Q C C 60

5+25 1344 1339 1321 1325 1314 1310 1308 1302 1283
 15 20 28 34 40 45 51 56 76
 0 C Q Q Q 37 Q 41 C 60

5+50 1333 1320 1320 1320 1315 1303 1302 1288
 23 26 33 33 39 39 44 56 57 71
 0 5 10 C Q Q Q Q 43 C 60

5+75 1329 1321 1319 1314 1314 1315 1309 1305 1304 1303 1296
 30 38 40 45 45 44 50 50 55 56 63
 0 C 17 Q Q Q Q 41 43 C 60

6+00 1321 1319 1315 1309 1309 1313 1308 1303 1295
 38 40 44 50 50 46 51 56 60
 0 C 19 Q Q Q Q C 60

6+04.5 TP 1320 1318 1314 1307 1307 1308 1303 1295
 37 41 45 52 52 46 51 56 60
 0 C 20 Q Q Q Q C 60

6+34.5 1307 1303 1303 1296 1295 1301 1295 1287
 52 56 56 63 60 69 74 76 72
 0 C 17 Q Q Q Q C 60

6+50 1298 1294 1284 1286 1289 1290 1285 1275
 61 65 65 73 70 69 74 76 84
 0 C 16 16 Q Q Q C 60

7+00 1267 1259 1255 1255 1254 1251 1245 1235 1229
 92 100 104 104 105 108 114 120 130
 0 12 12 C Q Q Q C 60

TP 457 127.44 1304 122.87
 7+50 1248 1240 1234 1234 1229 1225 1222 1216 1209 1202 1199
 26 34 40 40 45 49 57 58 65 72 85
 0 7 9 C Q 29 Q 32 Q C 60

352

HYACINTH

RT

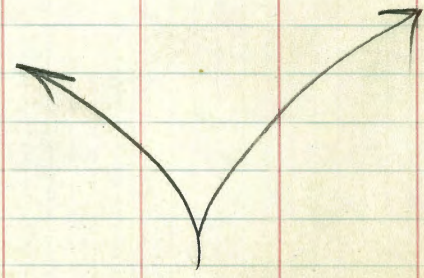
LT

12744

8+00	119.7 77 60	120.3 65 C	121.7 57 Q	122.4 53 32	1228 46 Q	1233 41 Q	123.5 39 9	1239 35 9	1245 29 0
8+50	120.6 68 60	121.6 58 C	122.0 54 Q	122.4 50 Q	1227 47 Q	1226 48 C	1233 41 C	1238 36 0	1238 36 0
8+54.91PK	120.3 71 60	121.4 60 C	121.9 55 Q	122.3 51 Q	1227 47 Q	1225 49 C	1234 40 C	1238 36 0	1238 36 0
9+00	118.2 92 60	119.2 87 C	119.4 80 Q	120.0 74 Q	120.4 70 Q	1207 67 Q	1207 67 18	1213 61 18	1218 50 C
9+50	118.4 90 60	119.5 79 C	120.1 73 Q	120.4 72 Q	1207 70 27	1208 64 27	1210 64 Q	1214 60 C	1224 50 0
9+								1220 54 0	
9+	118.8 86 60								
10+00	118.8 86 60	119.3 81 C	119.6 78 Q	120.4 74 Q	120.4 70 Q	120.9 65 C	121.5 59 0		

60

0



-5.31

DAFFODIL

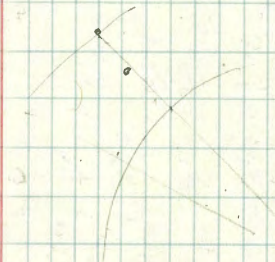
13' cbs - 8.5' 1/4

574

147.29

141.55

	LT	1466	1457	1460	1455	1447	1459	ICT	1437
SKFW	1476	1466	1464	1457	1460	1455	1447	1442	1437
0+00	0	07	09	14	13	18	26	28	31
		C	17	17	17	17	17	17	17
0+50	1456	1449	1446	1441	1442	1438	1434	1428	1422
	17	24	27	37	31	35	44	39	45
	0	C	17	17	17	17	17	17	17
1+00	1437	1437	1437	1430	1429	1417	1423	1418	1412
	26	36	31	43	44	46	54	51	55
	0	C	10	16	16	16	38	1418	1412
1+50	1426	1426	1425	1420	1420	1415	1406	1406	1398
	37	47	48	53	53	58	67	62	55
	0	C	17	17	17	17	17	17	17
2+00	1418	1418	1418	1414	1414	1408	1402	1403	1398
	49	55	61	59	59	66	71	67	78
	0	C	10	10	10	35	35	35	60
2+23.77	1416	1417	1417	1414	1414	1406	1401	1397	1397
	57	56	55	59	59	67	71	76	76
	0	C	10	10	10	10	10	10	10
2+50	1428	1426	1424	1414	1414	1413	1408	1398	1398
	45	47	53	59	59	62	69	74	75
	0	C	10	10	10	10	10	10	10
2+75	1422	1422	1422	1413	1413	1413	1405	1395	1395
	51	51	53	60	60	59	63	68	77
	0	C	10	20	20	20	20	20	20
3+00	1425	1417	1413	1406	1406	1398	1391	1382	1382
	48	56	60	67	67	75	82	87	91
	0	C	10	10	10	10	10	10	10
3+25	1428	1419	1413	1421	1415	1405	1395	1394	1383
	44	54	56	57	58	69	74	70	80
	0	C	10	10	10	10	10	10	10
3+50	1437	1429	1423	1421	1421	1417	1414	1414	1405
	36	44	40	47	57	56	59	59	65
	0	C	10	10	10	10	10	10	10
3+75	1446	1440	1443	1442	1441	1439	1439	1430	1425
	27	33	30	31	37	37	37	37	39
	0	C	10	10	10	10	10	10	10



DAFFODIL

	LT		RT	
6+75	46 1571 C	162.69 1576 Q	50 1570 Q	52 1575 C
6+88.13	43 1584 C	48 1579 Q	47 1580 Q	49 1578 C
7+00	42 1585 C	43 1584 Q	40 1587 Q	45 1582 C
7+50	40 1578 C	40 1573 Q	40 1570 Q	43 1577 C
7+80	80 1547 C	80 1547 Q	78 1549 Q	66 1561 C
800	80 1548 C	96 1531 Q	98 1529 Q	102 1525 C
8+35	100 1527 C	106 1517 Q	117 1510 Q	126 1501 C
8+44.10PC	100 1527 C	108 1519 Q	110 1517 Q	117 1519 C
8+50	98 1520 C	105 1527 Q	106 1517 Q	112 1515 C
9+00	64 1563 C	56 1571 Q	50 1577 Q	51 1576 C
9+50	24 1603 C	26 1604 Q	23 1598 Q	41 1586 C
9+79.83	10 1617 C	19 1609 Q	24 1603 Q	29 1598 C

TP 472 166.36 1.05 161.64

ON LEFT PIPE

(53)

LT DAFFODIL

TCT

10+00	162.39 0	162.38 38	162.41 41	166.36 162.40 C	162.39 19	162.41 41	162.41 41	161.0 41	161.1 53	160.6 58
10+50	162.32 0	162.31 31	162.34 34	162.30 C	162.33 33	162.32 32	162.35 35	162.38 38	162.33 33	162.34 34
11	162.50 0	162.50 0	162.50 0	162.50 0	162.50 0	162.50 0	162.50 0	162.50 0	162.50 0	162.50 0
11+ SKW	157.5 0	157.5 0	157.5 0	157.5 0	157.5 0	157.5 0	157.5 0	157.5 0	157.5 0	157.5 0

80(3) TURN
110 END

9+50 HIGH PSTIA 119 145.5

LT
11+22.5

154.5

153.9

TCT
11+22.5

161.5
A9 RETURN LT.

14 x 8 1/2

50 JONQUIL

TC

0+00	11.68 8.0 0	163.3 164.9 167.7	171.00 169.5 168.0	164.55 65 168.5	159.32 48 52	166.9 41 60
0+50	168.5 2.5 0	168.1 29 19	167.7 33 19	168.0 3.0 11	169.2 18 41	169.6 14 6
0+75	170.0 10.0 0	170.2 10 0	169.8 12 18	168.2 12 18	170.3 0.7 41	170.8 0.8 0.6

1+00	7.83 171.4 6.5	171.8 172 171.9	170.3 76 76	169.8 8.1 8.1	170.03 88 60	169.1 88 60
1+50	171.9 6.0 0	171.2 67 0	170.3 76 75	169.7 8.7 8.8	169.4 85 87	168.6 83 60
1+60.0 PC	172.2 5.7 0	171.2 67 0	170.3 75 75	169.8 8.1 8.9	169.5 84 87	168.5 84 60
2+00	172.7 6.2 0	171.1 68 0	170.2 77 77	169.9 8.7 8.9	169.2 86 87	168.4 86 60
2+50	173.2 5.2 0	171.5 64 0	170.2 77 77	169.7 8.7 8.8	169.3 86 87	168.4 86 60
2+53.40 PC	173.8 5.1 0	171.5 64 0	170.2 77 77	169.7 8.7 8.8	169.3 86 87	168.4 86 60
3+00	173.8 4.4 0	171.5 64 0	170.2 77 77	169.7 8.7 8.8	169.3 86 87	168.4 86 60
3+12.78 PC	173.8 4.2 0	171.5 59 0	170.2 74 74	169.7 8.7 8.8	169.3 86 87	168.4 86 60
3+50	173.8 5.2 0	171.7 62 0	170.2 67 67	169.7 8.7 8.8	169.3 86 87	168.4 86 60

5m

JONQUIL
LT

4+00	173 54	176 63	177 63	178 69	179 66	180 70	181 70	182 77	183 80	184 81	185 81	186 81	187 81	188 81	189 81	190 81	191 81	192 81	193 81	194 81	195 81	196 81	197 81	198 81	199 81	200 81
4+50	0 72	0 81	0 86	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94	0 94
5+00	0 83	0 90	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96
5+50	0 91	0 93	0 99	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96	0 96

6+00	55	61	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
6+50	62	64	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
6+50.03	60	60	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
6+75	68	68	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
7+25	59	67	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
7+50	57	57	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
7+75	57	59	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
7+8346	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

END

1652

1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	1680
8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43

7+00

1678.00	1671.56	1669.75	1663.75	1664.74	1663.75	1663.75	1658.85	1670.87	1656.82	1652.86	1644.84	1644.84
8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
60	60	60	60	60	60	60	60	60	60	60	60	60
1658.85	1658.85	1658.85	1658.85	1658.85	1658.85	1658.85	1658.85	1658.85	1658.85	1658.85	1658.85	1658.85
8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
60	60	60	60	60	60	60	60	60	60	60	60	60

173.77

POINSETTIA

1531

TP
1246 171.78 159.32

TP	462	163.44	129.6	158.82
0+00	62	163.44	8.7	158.82
0+25	28	153.53	13.88	153.53
0+50	24	151.66	17.7	151.66
1+00	24	150.66	26	150.66
1+20	34	150.66	77	150.66
1+50	47	156.69	67	156.69
2+00	48	157.70	69	157.70
2+50	11	152.56	56	152.56

LT

HUB TO LINE NARCISSUS AND N.W. ELLIOTT.
RETURN PIPE

TP	482	168.13	0.13	163.31
3+000 PG	40	162.80	7.9	162.80
3+25	23	164.48	57	164.48
3+50	09	163.20	45	163.20

531

POINSETTIA

RT

LT

3+75	1675 06 0	1659 23 C	16813 1651 30	1637 46 44	16316 45 Q	1619 62 C	1601 80 60
4+00	1665 16 0	1651 30 C	1643 38 Q	1631 50 48	1616 50 Q	1610 71 C	1594 87 60
4+1253	1670 0	1656 34 C	1647 44 Q	1637 49 4	1628 55 Q	1609 73 C	1592 89 60
4+50	1670 11 0	1656 25 C	1647 34 Q	1637 44 4	1628 46 Q	1609 72 C	1592 60 60
4+8753PC	1689 21 0	1676 05 C	1669 12 Q	1659 22 4	1645 23 Q	1635 36 C	1614 67 60

TP	5.00 1693 37	1680 50 C	17298 1671 59	1662 68 Q	1667 66 Q	16798 1620 C	1620 110 60
5+00	01701 29 0	1687 43 C	1678 52 Q	1667 63 Q	1656 64 Q	1652 78 C	1631 99 60
5+25	1710 20 0	1690 40 C	1684 46 Q	1676 54 Q	1675 55 Q	1670 60 Q	1657 93 60
5+50	1715 15 0	1705 25 C	1689 41 Q	1680 40 Q	1686 44 Q	1671 59 Q	1659 71 C
5+75	01716 14 0	1702 25 C	1693 37 Q	1693 37 Q	1689 41 Q	1676 54 Q	1661 67 C
5+8067	01720 10 0	1700 20 C	1701 29 Q	1700 30 Q	1697 33 Q	1685 45 Q	1672 58 C
6+00	1701 29 0	1698 32 C	1690 40 Q	1689 41 Q	1686 44 Q	1671 49 Q	1655 63 C
6+50	0	5	5	C	Q	E	Q

-FHO BEGONIA

531

RT. POINSETTIA

LT.

7+00	1623 1634 107 96 0 C 1634 96 105 0 C	17298 1646 91 84 Q ♀ 1618 111 112 C Q ♀	1650 1654 80 76 Q C 160.2 128 Q	1664 66 60 1590 18 C 1576 32 60
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Reversed

371 16927

8+00	1600 0.40 1583 08 28 C 0156.6 42 62 0 C 1542 66 77 78 0 C 1541 67 78 80 0 C	16078 1566 569 42 44 15 Q ♀ 1547 61 71 71 16 16 1518 89 88 90 16 1514 94 95 99 16 Q ♀	1260 1553 55 Q 1520 73 88 Q 1517 91 112 33 1597 101 117 33 Q	16038 1516 92 C 1490 118 160 1473 1491 117 135 C 1491 143 129 118 60
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8+90	1522 1516 1513 59 65 68 C 0546 55 70 74 C 1516 51 65 68 0 C 1514 37 56 0 C	1504 1503 1501 77 78 80 16 Q 1501 79 80 Q 1502 79 78 81 16 Q 1500 67 67 15 1514 67 67 15 1511 48 50 Q ♀	1487 1483 1481 84 98 100 33 37 Q 1484 97 104 Q 1496 86 95 106 34 Q 1500 81 91 Q 1515 56 67 75 Q 42 C	1469 1456 112 125 C 1459 122 160 1441 120 60 1473 108 1506 85 1496 60
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9+00	1500 1516 1513 51 65 68 C 1514 37 56 0 C	1500 1503 1501 77 78 80 16 Q 1501 79 80 Q 1502 79 78 81 16 Q 1500 67 67 15 1514 67 67 15 1511 48 50 Q ♀	1487 1483 1481 84 98 100 33 37 Q 1484 97 104 Q 1496 86 95 106 34 Q 1500 81 91 Q 1515 56 67 75 Q 42 C	1469 1456 112 125 C 1459 122 160 1441 120 60 1473 108 1506 85 1496 60
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9+50	1500 1516 1513 51 65 68 C 1514 37 56 0 C	1500 1503 1501 77 78 80 16 Q 1501 79 80 Q 1502 79 78 81 16 Q 1500 67 67 15 1514 67 67 15 1511 48 50 Q ♀	1487 1483 1481 84 98 100 33 37 Q 1484 97 104 Q 1496 86 95 106 34 Q 1500 81 91 Q 1515 56 67 75 Q 42 C	1469 1456 112 125 C 1459 122 160 1441 120 60 1473 108 1506 85 1496 60
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10+00	1500 1516 1513 51 65 68 C 1514 37 56 0 C	1500 1503 1501 77 78 80 16 Q 1501 79 80 Q 1502 79 78 81 16 Q 1500 67 67 15 1514 67 67 15 1511 48 50 Q ♀	1487 1483 1481 84 98 100 33 37 Q 1484 97 104 Q 1496 86 95 106 34 Q 1500 81 91 Q 1515 56 67 75 Q 42 C	1469 1456 112 125 C 1459 122 160 1441 120 60 1473 108 1506 85 1496 60
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1531

PONSETTIA

RT

LT

15814

10+40	540	16346	008	15806
10+40	49	15832	1547	15907
10+40	37	15833	1555	15910
10+50	30	15833	1544	15913
11+00	29	15833	15523	15916
END SKEW	12	15833	1598	15919
	0	15833	16046	15922

TP

END PISTIA

300 16046

N.W. PIPE END PISTIA.

TP

12.39 151.07

16046
13231
5515

11+3064

531 S KEW ST N.W. COK
 LT (DAFFODIL) ICT
 1491 1509 1526 1543 1557 1573 1589 15107 1554
 58 51 34 37 43 37 24 06
 0+00 SKEW 0 0 Q Q Q Q C C
 1484 1493 1506 1514 1523 1534 1495 1554
 76 67 54 46 47 37 26 06
 0+23.33 0 0 Q Q Q Q C C
 1443 1475 1484 & 148.9 1495 1507 1534
 97 85 76 71 71.65 53 26
 0 0 Q Q Q C C
 1413 1430 1445 1454 1458 1465 1477 1482 1491 1496
 84 67 52 43 39 37 20 01
 0 0 C Q Q Q Q C C
 1+24.95 BISECTION 90 75 63 57 55 40 08 60
 0 C Q Q Q Q C C
 1+24.95 ALONG W.L. LOTS 1437 1437 1447 1462
 1401 1417 1427 60 60 50 35
 96 80 70 60 50 60
 0 C Q Q Q C C

1+3850

1+5180

1041

LT NIPOMA ICT
 202 16533 16331
 185 1493 15505 1484 1473 1475 15370 1446 55 60
 50 58 64 67 73 70 55 60
 0 C Q Q Q Q C C
 157.5 1561 1553 1548 1543 1535 1528 1519
 78 92 100 108 110 118 105 134
 0 C Q Q Q Q C C
 1609 1619 1608 1619 1606 1602 1592
 44 43 45 43 47 51 61
 0 C Q Q Q C PL
 64

ELLIOTT 70 WIDE

LT	0.24	15906	15882
25 [L] LPST	1549.28 0.28 0	1552.38 C	1544.47 C
ELPSTIA	1549.65 0.5	1553.37 Q	1540.51 C
ECBPSTIA	1551.17 3.4	1547.44 Q	1541.51 C
EQ PSTIA	1553.38 3.8	1540.51 Q	1531.76 C
E PSTIA	1549.37 0.15	1552.57 Q	1531.51 C
WQ PSTIA	1549.49 0	1552.68 Q	1521.76 C
WC PSTIA	1549.55 0.15	1552.77 Q	1510.81 C
W.L PSTIA	1549.68 0	1552.78 Q	1508.88 C
O+00	149.0	148.0	147.0
O+50	108.0	111.0	112.0
TP	143.89	150.22	146.33
1+00	143.64	143.64	142.5
1+27.65	141.88	141.88	139.9

Station	128	127	126	125	124	123	122	121	120
0+00	23	34	38	41	47	50	48	48	55
0+25	30	40	45	46	54	48	48	48	55
0+50	33	51	51	55	61	48	48	48	55
0+75	37	58	58	60	66	48	48	48	55
1+00	40	63	63	64	70	48	48	48	55
1+25	36	49	63	71	79	48	48	48	55
1+50	40	65	71	73	78	48	48	48	55
1+75	40	65	73	77	80	48	48	48	55
2+00	41	56	64	64	66	48	48	48	55
2+05.08 PCC	39	54	62	63	66	48	48	48	55
TP	13.18	13.18	13.37	13.45	13.54	13.19	104	48	55
2+50	67	77	88	86	87	89	89	89	89
3+00	45	43	44	51	53	52	51	51	51

IND CURB FRONT OFFICE
119.40

(next)

PLUMOSA

LT

RT

3
 3+50
 4+00
 4+2676
 4+50
 4+75
 5+00
 5+25
 5+50
 5+75

1311 1310 1300 13637 1316 1315 1305 1297
 33 44 48 48 48 49 59 72
 0 6 16 16 C 48 57 48
 1320 1316 1317 1319 1317 1317 1292 1283
 34 48 47 45 47 60 72 81
 0 0 0 0 28 48 48 48
 1330 1330 1321 1312 1316 1304 1296 1283
 34 43 53 52 48 48 60 68
 0 0 2 28 28 48 48 48
 1322 1318 1313 1312 1308 1298 1274 1266
 42 46 61 59 56 56 78 98
 0 10 14 C 28 48 48 48
 1322 1322 1306 1310 1308 1292 1272 1275
 32 42 56 54 56 61 77 89
 0 14 14 C 48 48 48 48
 1312 1302 1303 1300 1298 1273 1271 1271
 52 62 66 64 75 81 91 91
 0 0 0 30 48 48 48 48
 1311 1311 1311 1312 1299 1296 1271 1271
 23 53 51 52 58 63 63 59
 0 14 14 C 30 30 48 48
 1310 1303 1303 1312 1295 1271 1271 1271
 35 31 28 30 29 48 48 48
 0 C 4 4 48 1353 1347
 1380 1368 1360 1359 1353 1347
 0 0 C 4 4 48 11 17
 0 C 4 4 48 48 48

TP 519 140.66 0.90 13547

6+00
 6+25

1400 1340 1371 1371 1369 1364 1356 1352
 07 27 36 36 38 43 51 48
 0 0 C 21 21 48 48 48 48
 1379 1379 1379 1379 1374 1374 1374 1352
 13 19 22 28 29 33 37 45
 0 C 21 21 48 48 48 48

352

LT PLUMOSA RT

6+37.25 PC	138.6 2.1	138.5 2.2	140.6 3.1	137.6 3.1	137.5 3.7	135.9 3.8	136.4 4.3
6+62.25 PC	137.5 3.2	137.3 3.4	137.8 3.9	136.9 3.9	136.8 3.9	135.2 4.5	135.6 5.1
7+00	136.5 4.2	135.5 5.2	135.0 5.7	135.0 5.7	134.9 5.8	133.8 6.9	133.2 7.5
7+50	133.0 7.7	132.8 7.9	132.4 8.3	132.7 8.0	132.5 8.5	131.6 9.1	130.8 9.8
8+00	130.5 10.2	130.6 10.0	130.5 10.1	130.4 10.3	130.4 10.3	129.7 10.5	129.1 10.6
8+50	128.1 12.6	128.1 12.8	128.0 12.7	128.0 12.7	128.0 12.7	128.1 12.6	128.0 12.8
TP	125.4 12.9	125.4 12.9	125.4 12.9	125.4 12.9	11.66 12.9	125.0 12.9	125.0 12.9
9+00	125.4 3.7	125.4 3.9	125.4 4.0	125.4 4.0	125.4 4.3	125.4 4.8	125.4 5.1
9+50	120.1 6.1	120.1 6.0	120.1 6.1	120.1 6.6	120.1 6.6	120.1 6.6	120.1 6.6
10+00	118.8 8.2	118.8 8.2	118.8 8.2	118.8 8.2	118.8 8.1	118.8 8.2	118.8 8.2
10+50	114.8 10.5	114.8 10.4	114.8 10.6	114.8 10.7	114.8 10.7	114.8 10.7	114.8 10.7
INSIDE PIPE							9.5
OUTSIDE RETURN HYACINTH							122.4
PLUMOSA							6.9

552

AZALEA

LT

RET

35.35

87.14
17.50
69.64

	0.00	122.92	119.9	122.92
0+00 SKW	119.4 2.5 0 119.4	119.0 41 19 118.8	RET. 118.8 118.6 43 118.2 118.3	RET. 117.3 117.8 56 117.4 117.2
0+33.5	2.5 6 119.7	4.1 C 118.5	4.3 22 118.2	5.3 42 117.6
0+50	3.8 0 119.9	4.4 C 118.3	4.7 23 117.7	5.1 41 117.0
1+00	3.9 0 118.2	4.6 C 117.8	4.6 24 117.7	5.3 44 115.9
1+50	4.7 0 115.5	5.1 C 117.4	5.2 26 117.4	6.3 44 116.4
1+54.99 PC	5.0 0 114.9	5.4 C 114.7	5.6 26 114.4	6.5 44 114.0
2+00	8.0 2 112.6	8.2 C 114.7	8.3 24 114.6	9.1 44 113.8
2+50	10.3 0 107.1	10.5 C 112.7	10.5 20 114.5	12.3 40 110.7
TP	10.5 2.9 0 107.1	0.52 3.0 2.0 107.1	113.22 3.0 2.0 107.1	10.22 4.0 4.0 107.1
3+00	2.9 0 105.1	3.0 C 107.1	3.0 2.0 107.1	4.0 4.0 107.1
3+50	4.1 0 107.1	4.1 C 107.1	4.5 2.0 107.1	5.1 4.0 107.1
4+00	6.1 0 107.1	6.3 C 107.1	6.5 19 107.1	6.8 Q 107.1

RET AZALEA 3.8

119.1

3.52

AZALEA

LT

4+50	83 85 87	87 87	87	87	88	88	92	92	92
5+00	93 95	98 95	100	104	101	104	104	104	104
5+33.19 PT	91 95	96 100	96	98	102	101	101	101	101

RT

1042	1040	1042	1029	1022
30	60	60	60	60
1048	1031	1031	1030	1022
35	35	35	35	60
1033	1031	1031	1030	110
35	35	35	35	60
1033	1031	1031	1030	110
35	35	35	35	60

+71 6+90

TP

5+50	84 10	10 17	20	20	23	23	20	20
6+00	37 34	37 37	44	46	43	44	46	34
6+50	46 37	51 37	53 37	50 37	53 37	53 37	53 37	53 37
6+70	66 76	79 76	70	70	67	63	63	63
6+90	108 137	142 135	123	123	115	101	101	60

LT P.T. PIPE

TP

7+00	93 37	40 46	40	46	39	39	60	60
7+25	26 54	69 69	84	84	81	70	70	70
7+50	79 98	109 115	123	123	124	105	105	60

3.52
AZALEA
LT

93.87

TCT

TP 1.84 8630 9.41 84.46 PIPE NW

	833	809	787	775	777	777	790
J+22.87	30	54	76	78	86	86	73
R	0	C	Q	Q	Q	C	60
	844.0	819	800.3	781	772	771	790
SKEW.	1.0	44	63	8.2	91	97	81
IND	0	C	Q	Q	Q	C	51
							60

LT
53.52

352

WISTERIA

50' WIDE

X SECTED 10' WALKS - 7 1/2' QUARTERS

	LT.									
	058	10471				10418			PIPE	
SICEX	54	55 53 56	57	58	59	54 49 48			43	
	0	14 14	Q	Q	Q	39 39	C		60	
0+45.45	54	55 55	57	58	59	53 57			57	
	0	13	73	55	52	58			58	
0+50	56	56 56	60	55	54	56 59			53	
	0	13	13	Q	Q	37			50	
1+00	70	69 68	73	66	64	60			61	
	0	13	13	Q	Q	37			50	
1+50	86	87 80	84 79	76	79	87			77	
	0	13	13	Q	Q	37			50	
2+00	105	100	84	91	92	93			88	
	0	C	Q	Q	Q	36			50	
2+20	129	114	112	103	95	96			98	
	0	C	12	14	Q	Q			37	
2+44.62	126	113	108	105	99	102			98	
	0	C	13	Q	Q	37			37	
FRANGLIS	114	113	112	116	113	115			117	
	0	C	11	11	Q	21			35	
3+09.55									AC	

LT LINE P.T. AZALEA

~~145 150.91 148.86~~

~~585 144.46~~

=14120

~~723 143.08~~

~~114 150.00 148.86~~

~~095 148.86~~

~~149.81~~

~~227 10.25 139.56~~

~~141.83~~

~~7.20 134.63~~

CLOVE

390 148.86

CURTISS

152.76

CHTSWT.

TP 0.27 7.45 145.31

→ DUMAS

145.58

4.68 140.90

=14120

TP 995 153.66 1.87 143.71

=147.23

4450 } C 9.1 144.6

9.9 143.8

6.0 147.6

6.9 146.8

4.6 149.1

5.7 148.0

28 150.9

33 150.4

148.86
149.1
147.6
146.8
144.6
143.8
141.20

155
7.5

	153.66			
TP	11.16	15	152.2	
		22	151.5	
		0.15	153.51	
	164.67			
BM)		10.66	154.01	= 159.32
HUB RENARC		9.1	155.6	
		11.0	153.7	
C		4.5	160.2	
		4.8	159.9	
C		3.6	161.1	
		3.6	161.1	
C		3.3	161.4	
		3.2	161.5	
C		3.6	161.1	
		4.0	160.7	
C		4.6	160.1	
		4.9	159.8	
R.L. JON		6.3	158.4	
LL		8.0	156.7	
0.78	157.45	8.00	156.67	
C END		6.3	151.2	
		5.1	152.3	
		3.98	153.47	= 158.82

NARCISSUS

5.21

154.01
148.71
10.30

154.01
148
158.49
1176
142.73

5.25

PLUMOSA PARK
SEWER IN ALLEY BLOCK XC
BEGIN ALLEY AND LT LINE AZALEA

SEWERS

12292
352
11940

(1) 17.0 119.40

10780

		121.10	
0	448	571	111.39
		11587	
0+00		38	112.1
+50		24	113.5
+68		14	114.5
+74		20	113.9
+83		11	114.8
+91±	ALT.	06	115.3
1		10	114.9
+50		34	112.5
+75		44	111.5
2		43	111.6
+50		53	110.6
3		70	108.7
+50		8.5	107.4
4		9.7	106.2
+50		10.7	105.2
+91±	ALT.	11.8	104.1
5		12.2	103.7
+50		13.1	102.8
TP	327	12.04	103.83
		10780	

5+69
6
+13
+33± IND

6.0 101.80
5.9 101.9
6.6 101.2
5.8 102.0

ALLEY

1+16.33 3°08' RT

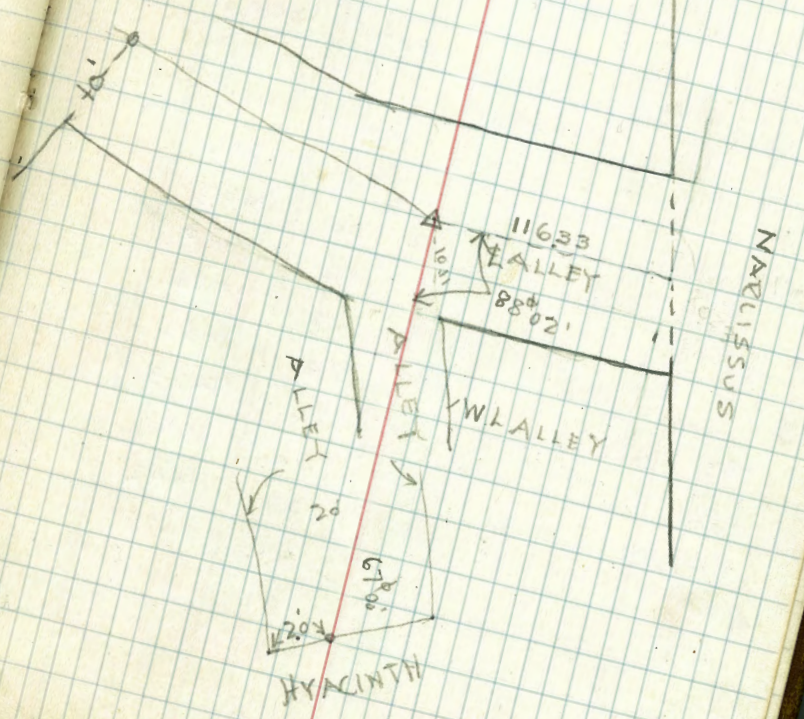
0+00 = ALLEY AND RT. LINE NARCISSUS

= 1+16.33 7+85.90 E.W. ALLEY = 3°08' RT.

5+05 41°49' LT

2+33 42°30' LT

00



SEWER IN ALLEY BAK ~~13~~ 17)

②

5.71 12511 11940

12.08 0.02 12509

137.17

0 -LT LINE HYCTX 78 1294

+12 79 1299

+50 45 1327

+60 38 1332

+68 40 1337

+73 31 1341

1 17 1355

TP 11.00 0.27 13690

14790

+50 104 1375

+72 93 1386

2 7.2 1407

+50 46 1433

3 29 1450

+33 ALT 24 1455

+50 26 1453

+75 30 1449

4 3.7 1442

+27 47 1432

+50 61 1418

5 7.5 1404

+05 ALT HALF 83 1396

(2)

14790

5+17	89	139.0
+39	92	138.7
+50	7.2	140.7
+70	60	141.9
6	-88	139.1
+16	109	137.0
+33	111	136.8
+50	121	135.8
+87	60	141.9
7+00	52	142.7
+26	50	142.9
+50	39	144.0
+85g	13	146.6
TP	2.2	145.78

F+W ALLEY BLC. (M)

(3)

645

152.23

0	08	151.2
+50	32	149.0
+80	44	147.8
1	43	147.9
+1633 = 785g	57	146.5
+50	76	144.6
2	111	141.1
+18	124	139.8

= Pt LINE NARCISSUS

3

152.23

2+50		126	1396
FP	4.50	12.84	138.39
		142.89	
2+75		4.2	138.7
3		5.3	137.6
+50		5.8	137.1
4		6.8	136.1
+50		7.2	135.7
+68		7.7	135.2
+70		9.5	133.4
5		10.5	132.4
+03+	E.	10.7	132.2

SOUTH E. W. ALLEY BLOCK 12 L

9.86 163.87 154.91

= N.E COR NARC. + ELLT.

0+00 = ALLEY AND RT LINE JONQUIL

		0.8	163.1
+50		3.5	160.4
1		5.0	158.9
+37.93	= S. E. W. ALLEY	6.7	157.2
+50	WITH E. N. S "	6.9	157.0
2		8.5	155.4
+50		10.6	153.3
+74.44	ALLEY + LT LINE	11.4	152.5
	NARCISSUS		

N+S ALLEY BLOCK 12

(5)

16387

0+00 =	£ S+E+W ALLEY AND	(1+37.93)	157.2
0+50	£ N+S ALLEY	78	156.1
1		9.1	154.8
+37		84	155.5
+50		93	154.6
2		98	154.1
+50		10.1	153.8
3		107	153.2
+50 ⁰⁰	£ N+E+W ALLEY	14.0	152.9
	Sta 1+20±		

(1) N-E+W ALLEY BLOCK L

0+00 =	£ N-E+W ALLEY + R/L	44	159.5
+11	DANQUIL	56	158.3
+50		76	156.3
1		93	154.0
1+20±			152.9
+50		120	151.9
TP	6.20 158.02	120.5	151.82
2		79	150.1
+50		92	148.8
+60±	£ N-E+W ALLEY	95	148.5
	AND L+LINE NARCISSUS		

WING ST

782

11940

127.22

P.T. 00		10	126.2
CB (10.5)		07	126.5 ₇₅
LT L. PLUMOSA		23	124.9
CB (10)			
0+50		42	123.0
GUT. 10.5		46	122.6
1+00		68	120.4
CB. 10.5		69	120.3
GUT		76	119.6
1+50		95	117.5
GUT 19.		102	117.0
2+00		134	113.8
GUT 35.		128	114.2

114 PCT. END CORB AS 15)

3.5

1173

1138

2+00		35	113.8
17TC		32	114.1
2+50		75	109.8
20TC		65	110.8
30TC		65	110.8
5CR GUT		60	111.3
WING RE (2+77)		74	109.8

SEWERS PLUMOSAN

0.72

153.51

ELLIOTT RETURN PIPE RT L POINSETTIA

15423

8.1

146.1

B.C. 80 RS

VILLADRIEVE

7.8

146.4

GRADE PLUG

E+W ALLEY BLOCK I

(7)

0+00 - E ALLEY AND LT L

6.0

148.2

+50

POINSETTIA

11.3

142.9

DP

0.41

14200

12.64

141.59

+75

1.2

140.8

1+00

4.6

137.4

+22.34 E ALLEYS

6.5

135.5

+29.84

7.7

134.3

WEST ALLEY S BLOCK J

(8)

0+00 - E WALLEY AND S LTRACT

17.2

124.8

+50

14.8

127.2

1

10.0

132.0

+12

8.7

133.3

+3.

E WALLEY AND S KELLY

8.1

133.9

WEST ALLEY - BLOCK I

(8)

0+00 - E WEST ALLEY AND

6.7

135.3

+50

N KELLY

7.9

134.2

1

8.6

133.4

+50

7.1

124.9

2

5.2

136.8

+50

5.8

136.2

8

142.00

535

2+62

61 135.9

3

4.6 137.4

+5.0

3.5 138.5

+99.90 = ALLEY AND SL

14 140.6

R NIPOMA 10.58

0.58 141.42

10 BLK. H. 152.00

0+00 ALLEY AND N.L.

8.0 144.0

+5.0 NIPOMA

4.2 147.8

1

1.9 150.1

+5.0

1.5 150.5

2

2.7 149.3

+5.0

7.2 144.8

+7.0

8.5 143.5

+9.5

13.4 138.6

TP

4.04

12.77 139.23

149.27

3

5.3 138.0

+5.0

9.8 133.5

4

12.9 130.4

+4.0

14.8 128.5

+5.0

14.8 128.5

5

14.8 128.5

+5.0

13.2 130.1

+8.5

11.5 131.8

6

9.6 133.7

+00.46

ALLEY + S.L. AMARYLLIS

9.0 134.3

535

SEWERS PROMOST
 N+S SEWER ALLEY BLK E

0	(11)	141	16481	16340
0+00			N+S ALLEY N.L. LOTUS ⁴⁸	1600
+50			63	1585
1+00			73	1575
1+22+			SALLEYS	74
			20+00 E+W ALLEY	
1+50			73	1575
2			73	1575
+42+			N+S ALLEY	81
			AND S. BEMARILLIS	
	(12)		BLK E	
0+00			N+S ALLEY AND	74
			E+W ALLEY	
0+50			87	1561
+90			96	1552
1			90	1558
+17			82	1586
+50			86	1562
2			94	1554
+50			93	1555
3			96	1552
P		041	15542	980
				15501
3+44+			LT	18
				1536
50			18	1536
4			29	1525
+50			45	1509

12

15542

5+00		60	1494
+ 50		80	1474
+ 58+ ALT		84	1470
6		90	1464
+ 50		110	1444
7		120	1425
+ 03+ = E ALLEY (E-W) AND SL ARMYALLIS		132	1422

ALLEYS IN BLK "D"

109 135.59 134.50

0+00 E-W ALLEY = E ALLEY
AND RT LINE ARMYALLIS.

+ 50 34 132.2

1 58 129.6

+ 40 = 0+00 N-S ALLEY 75 128.1

+ 50 80 127.6

2 10.0 125.6

+ 50 124 123.2

+ 71 = E-W ALLEY AND LT
HYACINTH 13.5 122.1

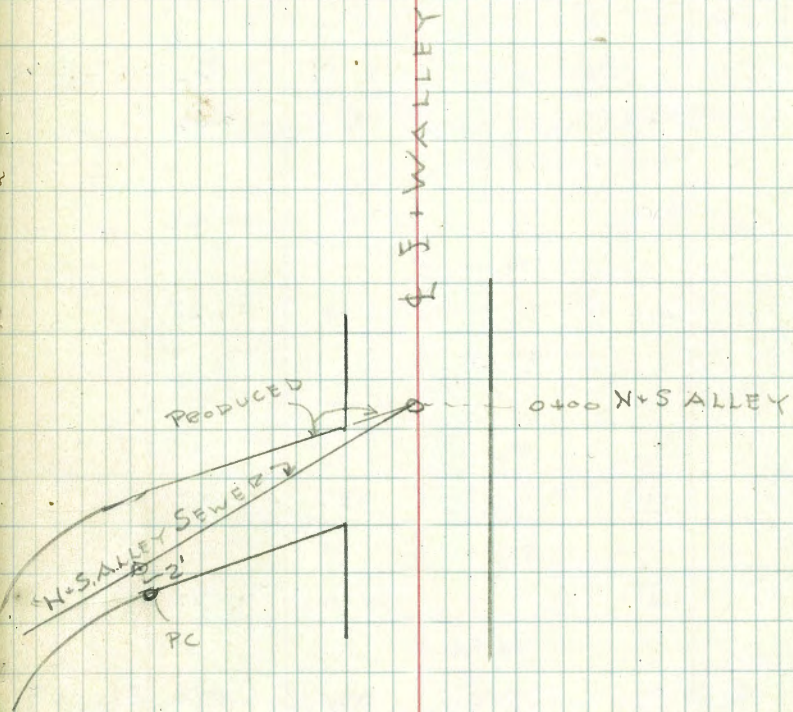
14

N-S ALLEY IN BLK "D"

0+50 = E-W ALLEY 8.5 127.1

1 8.5 127.1

COH.



14

135.59

1+50

24

126.2

2

11.2

124.4

+40' = EL. TRACT

12.5

123.1

15

LEVELS ALONG CUTWAY

TO SEWER M^H'S NEAR BURNHAM HOUSE

157

119.40

= ELEV. IN CURB AT PLUMOSA PARK OFFICE

TP

120.97

TP

122

125.1

108.46

109.68

TP

- 91.0

124.3

97.25

97.15

TP

17.5

11.44

85.71

87.26

TP

2.23

93.9

77.87

80.10

P

4.1

9.77

70.32

74.44

9.70

64.74

Flow EL. EV. M^H AT CUTSWAY AND ALLEY TO WEST

22 FINAL SEWERS

7.58

155.15

"B" LINE

162.73

B 0+00

54

157.3

B 0+50

54

157.3

B 0+85

55

157.2

B 1+00

A LINE

A 0+00

3.5

159.2

A +50

4.8

157.9

A 1+00

Δ 107

5.5

157.2

+50

6.6

156.1

+90

7.6

155.1

2

7.0

155.7

+20

6.1

156.6

+50

6.7

156.0

3

7.4

155.3

+50

7.4

155.3

4+00

7.7

155.0

+20

Δ L

8.2

154.5

P

107
HUB 412

8.8

154.55

155.62

+50

1.9

153.7

5

3.1

152.5

+50

4.7

150.9

6

6.4

149.2

+50

8.2

147.4

		6+57.96 ΔLT		
A LINE	15562			
6+57.40 ΔLT =1+25.00 C		8.6	1470	CONT
C LINE				
10+00		12.8	1428	
+50		10.7	1449	
1		30	1466	
1+25 C		86	1470	
6+57.40 A				
A LINE				
7+00		106	1450	RESUME 'A'
+50		132	1424	
11	059	1286	142.76	
	14335			
8+00		50	1384	
8+30		72	1362	
+50		83	1351	
8+61.00 ΔLT		90	1344	
9		109	1325	
+50		131	1303	
	031	1268	130.67	
10	13098	30	12800	
10+0184 SPOT		30	1280	CONT.
2+00 D		2.77	128.2+	

6+57.96
63 69
7+71.65
15548
8+77.10
18204
10.5974
16016
EQUATION 1 2+19.90
= 11+62.00

ALONG LOT →
LINE

=1+45E DAFF

LINE D

13098

0+00		6.8	124.2
+50		5.1	125.9
1+00		4.2	126.8
+50		4.2	126.8
2+00		3.0	128.0

70+0184 POTA

LINE A

10+50		5.3	125.7
11		7.5	123.5
+20		8.0	123.0
+50		10.5	120.5

RESUME X^c

11+6200 ΔR ₁		11.4	119.6
12		8.4	122.6
+50		4.9	126.1
+70		4.0	127.0

13		3.5	127.6
+2634 ΔL ₁		2.8	128.2

TP Hub 1.56	129.77	2.77	128.21
+50		1.0	128.8

14		1.3	128.5
+50		3.1	126.7

15		5.3	124.5
+50		6.8	123.0

16		8.5	121.3
+50		10.8	119.0

LINE A	12977		
17+00		130	116.8
P	4.02	13.12	116.65

	12067		
17+4850 POT		55	115.2
+50		56	115.1
18		63	114.4
+15		61	114.6
+50		67	114.0
19		54	115.3
+0830		50	115.7
		143	119.24
		1073	109.94

A LINE	12171	1	
17+50		64	115.3
18		73	114.4
+50		80	113.7
19		72	114.5
+15		69	114.8
+50		67	115.0
+6208		72	114.5
		234	119.37

E LINE.				
	9.60	163.61		154.01
0+00			22	161.4
+50			43	159.3
1+00			63	157.3
+50			75	156.1
2			93	154.3
+50			113	152.3
+55			122	151.4
+75			122	151.4
3			129	150.7
TP	067		1300	150.61
		151.28		
+50			29	148.4
+85			44	146.9
4			42	147.1
+43.50	AP		68	144.5
+50			73	144.0
5			108	140.5
+23			125	138.8
+50			128	138.5
6			134	137.9
TP	049		1213	139.15
		139.64		
+50			24	137.2
7			35	136.1
+50			40	135.6

HUB RT L NARCISSUS + N L ELLIOTT

E LINE

139.64

7+70		44	1352
+77		62	1334
8		7.1	1325
+1275 ΔL		77	1319
+50		10.9	1287

CONT.

LINE F

0+00		65	133.1
+18		60	133.6
+50		7.0	132.6
1+00 ΔLT		83	131.3
+50		140	125.6
+57		16.1	123.5
+69		16.3	123.3
+75		14.3	125.3
2		12.3	127.3
+18		13.2	126.4
+50		12.1	127.5
2+66		11.4	128.2
3		11.5	128.1
+50		11.6	128.0
+15		11.7	127.9
4		13.2	126.4
TP	185	129.16	123.3
+50		7.6	121.6
5		9.3	119.9

129.16

S+350.0	END F		10.1	119.1
-E	9+61.50	E		
E	9+00		45	124.7
	9+12		51	124.1
	+23		73	121.9
	9+50		91	120.1
	+61.50	STR	10.1	119.1
10			84	120.8
	+50		75	121.7
11			68	122.4
+03	EDGE PAVE.		76	121.6
41.20	E, SEWER		79	121.3
END "E"				
	4.60	131.91		127.31
LINE G				
0+00			16	130.3
+50			42	127.7
1			58	126.1
+50			87	123.2
2			11.0	120.9
+50			12.9	119.0
TP	2.84	121.71	13.04	118.87
3			52	116.5
+30	G		64	115.3
17+48.50	A			

I LINE

12.66

154.01

16667

0+00	1.6	165.1
+50	1.8	164.9
1	1.7	165.0
+50	1.5	165.2
+75	0.7	166.0
2	0.6	166.1
+50	0.9	165.8
+80	3.1	163.6
3	3.5	163.2
3+20.70 I ΔR	3.9	162.8

-2+400 J END

LINE J

0+00	63	160.4
+32	62	160.5
+50	53	161.4
1	48	161.9
+50	37	163.0
+80	34	163.3
2	46	162.1
+40	3.9	162.8

RESUME I LINE

I 3+30	42	162.5
+50	69	159.8
+60	82	158.5
4	102	156.5

CONT.

"J" LINE

166.67

4+50		125	154.2
TR	093	1292	153.75
		154.68	
+75		18	152.9
5		2.5	152.2
+50		4.3	150.4
6		5.7	149.0
+33.2547		6.9	147.8

CONT.

= 2+65.05 H END

H LINE

0+00		6.0	148.7
+25		5.3	149.4
+50		6.0	148.7
+80		7.2	147.5
1		6.2	148.5
+20		5.3	149.4
+50		5.7	149.0
2		7.0	147.7
+25		7.0	147.7
+50		7.5	147.2
+52		7.0	147.7
+65.05 END		6.9	147.8

RESUME I

6+50		7.0	147.7
+52		7.5	147.2
+85		7.5	147.2

LINE I

15468

7+00		77	1470
+20		80	1467
+25		76	1471
+50		75	1472
8		68	1479
+30		62	1485
+50		65	1479
+78		75	1472
9		89	145.8
+2740	ΔTC	110	143.7
TP	0.21	1091	143.77
	143.98		
+50		13	142.7
10		39	140.1
+05		30	141.0
+50		43	139.7
11		55	138.5
+20		6.2	137.8
+45		8.1	135.9
+50		9.5	134.5
12		114	132.6
TP	500	12.51	131.47
	136.47		
+50		67	129.8
12+7093	IAR END	80	128.5
13+2634	ADL		

K LINE

	5.90	169.30		163.40
0+00			72	162.1
+20			72	162.1
+50			47	164.6
1			38	165.5
+12			37	165.6
+16			45	164.8
+30			43	165.0
+50			50	164.3
1+66.4	ΔL		70	162.3
+80			67	162.6
2			70	162.3
+50			85	160.8
+73			93	160.0
	115	160.44	10.01	159.29
3			20	158.4
+50			26	157.8
+75			24	158.0
4			24	158.0
+08			25	157.9
+46.83	ΔR		50	155.4
+50			53	155.1
5			80	152.4
+36			93	151.1
+50			92	151.2
6			90	151.4

153.51

"K" LINE

16044

-1275

K 6+50 92 1512

7 9.1 1513

TP 6.61 302 15142

158.03

+22 6.6 1514

+50 82 149.8

+81834 TP=2137.0 L 104 1476

8 115 1465 CONT.

"L" LINE

453 153.50 = 15351

6.90 151.13 BOTTOM) ELEV. FLUSH TANK LONG A PORTAL SEWER

0+00 2.5 155.5

+50 4.4 1536

1 6.1 1519

+50 7.6 1504

90 8.7 149.3

2+00 8.5 149.5

+10 8.5 149.5

+27 1476

TP 1.97 1477.5 12.25 145.78

K 8+50 4.4 1434 RESUME K

9 8.3 139.5

+41.98 END 12.9 134.9

NEW J LINE

11.60

16190

1100 J

11.60

17350

17350

0+00		2.1	1714
+30 ΔP		24	1711
+50		28	1707
+88		36	1698
1		58	1677
+50		106	1629
+73.10		109	1626
2		117	1618
+50 ΔP		105	1630
3		109	1626
+4500	= 312076 J	107	1628

1628

NEW A LINE

6+57 ΔB	2.1	14910	14700
7+00	28		1463
+22 ΔPT	37		1454
+50	44		1447
8	67		1424
+50	99		1392
+7750 ΔL	122		1369
9	133		1358
+2250 ΔT	149		1342
+6100			

"S" LINE (AZALEA)

	006		11940	END Co 2B
		119.46		
0+00			52	114.3
Back Lot 2			121	107.8
✓ ✓ 3			130	106.5
+50			5.7	114.2
1			73	112.2
Back Lot 4 (40) SPm			160	103.5
+50			93	110.2
2			125	107.0
TP	0.33		1261	106.85
		107.18		
+50			20	105.2
Back Lot #6			37	103.5
+60 ΔL			22	105.0
3			35	103.7
+50			54	101.8
4			71	100.1
+50			73	99.9
5			88	98.4
+28.82 ΔP			101	97.1
+50			107	96.5
6			117	95.5
+50			125	94.7
TP	267	97.50	1235	94.83

7955 LT.

5 28
2+60

2.68

9750

7			44	931
+50			58	917
8			65	910
+05	END		65	910
"J" LINE				
	0.90	15340		15250

0			25	1509
+50			52	1482
1			80	1454
+23			93	1441
+50			121	1413
TP	477	1206		14134

	2+26	14611		
+70			69	1392
2			81	1380
+26	END		105	1356
}	43			1545
		1588		
			47	1541
			70	1518

805
5+28.28
2.77

SECTIONS ON ELLIOTT ST 18' W ALIC AREA
 0+00 = N.W. LY COR. POINT LOMA VILLAS = 1090' E. OF E.L. POINSETTIA.
 10.11 16362 15351 CORRECTED

Station	M.L.	16362	15351	CORRECTED		
0+00	105	153.1	$\frac{129}{11}$ 1507	$\frac{135}{18}$ 1501		
+40	105	153.1	$\frac{124}{5}$ 1512	$\frac{133}{18}$ 1503		
+87.83	102	153.4	$\frac{120}{11}$ 1516	$\frac{124}{18}$ 1510		
1	89	154.7	$\frac{103}{3}$ 1533	$\frac{121}{18}$ 1515		
+50	86	155.0	$\frac{102}{16}$ 1534	$\frac{108}{18}$ 1528		
2	72	156.4		$\frac{86}{18}$ 1549		
+50	49	1587	$\frac{62}{8}$ 1574	$\frac{69}{18}$ 1567		
3	19	1617	$\frac{38}{4}$ 1598	$\frac{52}{18}$ 1584		
+20	20	1616	$\frac{30}{3}$ 1600	$\frac{37}{8}$ 1599	$\frac{41}{18}$ 1595	
+60	16	1620	$\frac{25}{7}$ 1611	$\frac{29}{14}$ 1607	$\frac{33}{18}$ 1603	
4	16	1620	$\frac{14}{4}$ 1622	$\frac{20}{6}$ 1616	$\frac{23}{18}$ 1613	
+50	21	1615	$\frac{25}{14}$ 1611	$\frac{30}{18}$ 1606		
5	33	1603	$\frac{33}{4}$ 1603	$\frac{36}{6}$ 1600	$\frac{36}{15}$ 1600	$\frac{42}{18}$ 1594
+40	56	1580	$\frac{54}{15}$ 1582	$\frac{60}{18}$ 1576		
+80	54	1582	$\frac{72}{9}$ 1564	$\frac{71}{18}$ 1559		
TP	207	15820	7.49	156.13		

	N.L.	158.20				
6+20	3.7	154.5	38 18	154.4		
6+60	47	153.5	50 18	153.2	50 18	153.2
7	59	152.3	59 18	152.3		
+40	71	151.1	68 8	151.4	66 18	151.6
+70	77	150.5	74 5	150.8	73 16	150.9 78 18 149.3
8	80	150.2	80 16	150.2	83 18	149.9
+50	87	149.5	85 5	149.7	86 16	149.6 89 18 149.3
9	93	148.9	90 5	149.2	93 7	148.9 93 15 148.9 96 148.3
+50	94	148.8	88 7	149.4	95 10	148.7 108 18 147.4
10	100	148.2	95 4	148.7	103 15	147.9 108 18 147.4
+50	111	147.1	115 8	146.7	114 16	146.8 120 18 146.2
TR	0.03	148.01		147.22		147.98
11	40	144.0	43 13	143.7	47 18	143.3

6+50 - 2,000

147.40

149.40

148.01

11+44.50	78	140.2	79 3	140.1	83 7	139.7	83 18	139.7
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13.1 134.9

OPP. PROP. LINES

12.0 END CURB 136.0 CHT WITH 0.80 CURB FACE

LEVELS ALONG PATH IN BLOCK

	2.00	149.50		147.50	
	LT			RT	
0+00	2.0	147.5		1.9	147.6
+5.	2.8	146.7		2.8	146.7
1+00	4.2	145.3		4.4	145.1
1+15	4.6	144.9		5.1	144.4
1+35	5.5	144.0		5.0	143.9
1+50	6.2	143.3		6.4	143.1
2+00	9.0	140.5		9.5	140.0
2+47.35				13.0	136.5
2+49.82	13.1	136.4			

= STA 7+00 RT LINE NARCISSUS DRIVE (CORRECTED)
 = RT LINE NARCISSUS DRIVE

NWLY LINE ALLEY

SELY

NWLY LINE PLUMOSA DRIVE

5 7° 18' LT 53.46

89.00

7 LT 8° 18'

120.46

6 38° 47' RT

90.07

AT 3+00

12° 08' RT

To FENCE

295-9° 45' RT

160-75° 00' LT 370-24° 15' RT

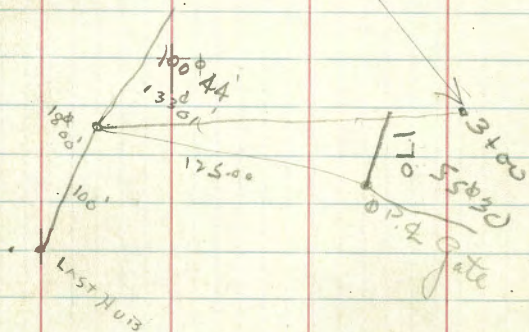
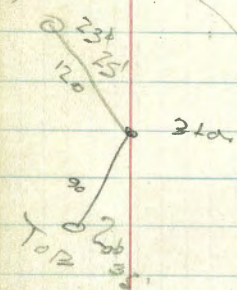
170-55° 15' LT 390-28° 35' RT

220-31° 45' LT 470-34° 50' RT

245-22° 55' LT 390-34° 30' RT (2)

245 14° 25' LT

W



11 155

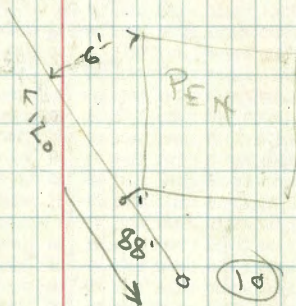
148 To Creek

10 51° 50'

85.20

9 31° 43' LT

LT 80 To 383 at 7



AT #

11 POT

25 To Road

120 80° LT

110 16° LT = FENCE LINE

114 56° 40' RT FENCE COR 13 GATE

NATURAL TRIGONOMETRICAL RATIOS

Table with columns: Angle, Sine, Tan., Sec., Cosec., Cotg., Cosin. (left page) and corresponding columns for the right page. Includes numerical values and degree markers.

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