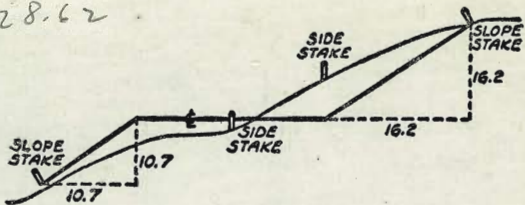


228.62



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 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 of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

GRADE 367

AMERICAN PARK

MICROFILMED

APR 16 1965

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side or shoulder
stake for any width roadway, slope 1 1/2 to 1.
If ground is exactly level, the cut or fill at side

IMPROVED TABLES
AND
INFORMATION

cut stake. If it were not made the right and
proper roadway, the cut or fill at side

TABLE No. VIII

To find Tangent and External for curve of
any other degree, divide by degree of curve and
add correction found in column of correction.
Degree of curve with a given length is found
by dividing tangent (or external) 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 degree.

Correction for
the curve is
found by
dividing
the square
of the tangent
length by
twice the degree.

- 0
- 1
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- 50

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TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.89	.99	1.09	1.20	1.31	1.42	1.54
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.032	.035	.039	.043	.047	.051	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.266	.353	.440	.528	.618	.707	.797	.887	.977	1.07	1.18	1.29
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

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Pave Paul Jones ST - Bunker Hill to
 Brandywine ST - Dwg 2944-D LT=wly-
 2-24-56 - C. Allen - D. Sisson - C. Powell - R. Parks
 FB 2346, 2191, 2389-563-1591

PAUL JONES RT = ELY (BM = 3 ELY 7' hubs
 P. Jones + Bunker H.)
 el = 87.52

Station	LT gutter	Rough Grade	Top cb Grade	Curb Stake	LT = wly 1/4	± Grade	RT = ely 1/4	Rough Grade	Top cb Grade	Curb Stake	RT gutter
1+70		F0.25 104.54	104.79	C0.05 104.84		105.18		C4.76 110.32	105.56	C0.29 105.85	105.06
1+50		F0.01 104.03	104.04	F0.02 104.02		104.42		C3.42 108.23	104.81	C0.10 104.91	104.31
1+30		C0.19 103.03	102.84	F0.22 102.62		103.22		C4.47 108.07	103.60	C0.19 103.79	103.10
1+10		C0.52 101.73	101.21	F0.05 101.16		101.58		C5.97 107.93	101.96	C0.16 102.12	101.46
0+90		C0.75 99.90	99.15	C0.35 99.50		99.50		C4.00 103.85	99.85	C0.28 100.13	99.35
BVC 0+70 =		C1.10 97.75	96.65	C0.60 97.25		96.98		C6.95 104.26	97.31	C0.64 97.95	96.81
0+45		C0.19 93.45	93.26	C0.55 93.81		93.55		C9.32 103.17	93.85	C0.37 94.22	93.35
0+20 =		C0.49 90.35	89.86	C0.65 90.51		90.13		C10.63 101.03	90.40	C0.61 91.01	89.90
NELY 0+10 = C6 BC			88.50	C0.44 88.94		88.80			89.20	C0.69 89.89	88.70
Hill P.L. Bunker 0+00 = wly		F0.77 87.10	87.87	C0.18 88.05		88.02		C9.97 98.57	88.60	90.	88.10

Paul Jones - Bunker Hill To
 Brandy wine cont
 LT = wly -

RT = Ely -

2

Station	LT 90T	Rough Grade	Top cb Grade	Curve Stake	LT 1/4	grade	RT 1/4	Rough Grade	Top cb Grade	Curve Stake	RT 90T
4+50		C0.40 108.75	108.35	F0.36 107.99		108.60		F1.91 106.94	108.85	F0.18 108.67	108.35
4+30		F1.23 106.22	107.45	F0.35 107.10		107.71		F2.32 105.64	107.96	F0.85 107.11	107.46
4+10		F0.99 105.79	106.78	F0.87 105.91		107.04		F0.48 106.82	107.30	F0.95 106.35	106.80
3+90		F2.24 104.08	106.32	F1.47 104.85		106.59		C0.95 107.81	106.86	F0.73 106.13	106.36
3+70 = B.V.C.		8' back PL F11.34 94.75	106.09	F1.14 104.95		106.38		C0.90 107.57	106.67	F0.59 106.08	106.17
3+34		8' back PL F11.36 94.54	105.90	F0.45 105.45		106.20		C2.71 109.22	106.51	F0.16 106.35	106.01
2+98		8' back PL F9.70 96.00	105.70	F0.13 105.57		106.02		C3.00 109.35	106.35	C0.14 106.49	105.85
2+62		F1.93 103.58	105.51	C0.31 105.82		105.85		C3.43 109.62	106.19	C0.59 106.78	105.69
2+26		F0.26 105.05	105.31	C0.11 105.42		105.67		C3.84 109.87	106.03	C0.65 106.68	105.53
5 Parts of 36' 1+90 = E.V.C.		F0.51 104.61	105.12	C0.12 105.24		105.50		C3.97 109.84 (drive)	105.87	C0.38 106.25	105.37

Pave Park Jones - Bunker Hill To
Brandy Wine Cont -

RT = Ely -

3

LT = Wly -

Station	RT 90T	Rough Grade	Top cb Grade	curb Stake	LT 1/4	∠ Grade	Rough Grade	Top curb Grade	curb Stake	RT 60T Tek	RT 1/4
P.L. Brandy 6+40 ²⁶ = Wly	C0.75 119.08	F2.74 117.01		C0.08 119.83			C5.22 125.18		119.96		
Ch Line 6+30 ²⁶ = Wly	118.92	117.63	IN DRIVE								
Brands 6+10 ²⁶ = ∠	C0.15 118.52	F1.68 117.15		F0.52 118.67							120.54
5+90 ²⁶ = Tarty	C0.11 118.33	F.237 116.63		F0.36 118.44							
Wine Sly R.L. Brandy 5+80 ²⁶ =	C0.21 117.92	F0.94 117.65		F0.46 118.13		118.51	C2.10 121.50		119.40		118.90
cb bc SELY 5+70 ²⁶ =				F0.19 117.99		118.11			118.51	C0.52 119.03	118.01
5+60 ²⁶ = ∠						117.29					
5+30 = E.V.C.		C1.31 112.49		C0.53 114.71			C2.98 117.66		114.68	C1.24 115.92	114.18
5+10		C1.61 113.99		C0.36 112.74		112.63	C2.84 115.71		112.87	C1.40 114.27	112.37
4+90		C0.85 111.67		F0.13 110.69		111.07	C1.47 112.78		111.31	C0.92 112.23	110.81
4+70		F0.73 108.74		F0.17 109.30		109.71	F0.11 109.85		109.96	C0.38 110.34	109.46

Pave Paok		Jones - Mokena to LT = wly - (375' each for stake)			BUNKER HILL CONT. RT = Ely						5
Station	LT GUTTR	Rough Grade	Top of Grade	Curb Stake	LT 114	Grade	RT 114	Rough Grade	Top of Cb Grade	Curb Stake	RT GUTTR
0400 page 1. 443262 =	C0.85 87.20		87.87	C0.18 88.05		88.02					
442262	86.78					87.60					
Bunker Hill 470262 =	C0.91 86.25		86.92	C0.24 87.76		87.00					
378262	C0.59 85.40		86.07	F0.08 85.99		86.20					
Hill ST 347262 =	C0.42 84.66	F5.05 80.28	85.33	F0.25 85.08		85.48		C1.37 87.47	86.10		
SELY COR. C6 AC RT 346262 =			84.00	F0.30 83.70		84.25		C2.79 87.30	84.50	F2.68 81.82	
341762	F11.00 00T132	F8.09 68.37	76.46	C0.09 76.55		76.71		C3.79 80.78	76.96	C0.17 77.13	
EVC 247262 =	F9.8 00T142	F9.55 59.36	68.91	C0.11 69.02		69.16		F0.25 69.16	69.41	C0.12 69.53	
245262		6' back p.l. F5.80 59.99	65.79	C0.44 66.23		66.04		F1.13 65.16	66.29	C0.02 66.31	
243262		F3.56 59.59	63.15	C0.35 63.50		63.40		C1.57 65.22	63.65	F0.02 63.63	
241262		F1.25 59.74	60.99	C0.03 61.02		61.24		C3.67 65.16	61.49	F0.16 61.33	

Pave Brandywine ST - Paul Jones To
 FB 2346 - 24 To 28 - FB 2191 - 49
 LT = Nly -

Thorton - DWG 2953-D + 2954-D.
 WO# 31635 KT = Sly -

Station	LT GUTTER	Rough Grade	Top cb Grade	Curb Stake	Distance from grade board to slope	Grade or edge PVT	RT 1/4	Rough Grade	Top cb Grade	Curb Stake	KT GUTTER
(25.74)						F0.35 F2.77 33.24		F1.77 F1.77			
2+09.17			135.66		25.59	135.41	135.04 F 0.37	133.40	135.17	F0.64 134.53	
(25.74)						E0.03 F1.58 32.00		F0.79 F0.79			
1+83.43			133.83		25.49	133.58	133.45 F 0.13	132.55	133.34	F0.57 132.77	
(25.74)						C0.60 F0.78 30.97		F3.19 F3.19			
1+57.69			132.00		25.40	131.75	131.48 F 0.27	128.72	131.51	F0.49 131.02	
(25.74)						C1.07 F0.26 29.66		F3.16 F2.88			
gully BC RT 1+31.95 =			130.17		25.32	129.92	129.91 F 0.01	126.80	129.68	F0.40 129.28	129.18
(25.74)						C1.10 C0.06 28.63		F1.49 F1.57			
gully BC RT 1+12.95 =			128.82		25.26	128.57	128.62 C - 0.05	126.75	128.32	F0.09 128.23	127.82
(24.73)						C1.05 C0.50 127.24		C0.69 C0.29			
0+87.22			126.99		25.18	126.74	126.85 C - 0.11	126.78	126.49	C0.17 126.66	
= end cb RT 0+66.50		C3.81 129.33	125.52	C183 127.35	25.11	125.27	125.00 F 0.27	C1.22 126.34	125.02	C0.50 125.52	
0+61.48			125.16	C025 125.41		124.91			124.66	C0.54 125.20	
(24.74)											
0+35.74		C4.83 128.16	123.33	C391 127.24		123.08		F0.25 F0.14	122.83	C0.58 123.41	
(25.74)											
0+10 = Cb BC			121.56	C388 125.38		121.25			121.00	C0.65 121.65	
Paul Jones											
0+00 = ELY PL.		C-4.03 124.95	120.92			120.54		C0.29 C0.63	120.40		

Pave Brandywine ST cont

LT = Nly.

RT = Sly

7

Distance from
Nly edge of Pave.
To Sly Prop Line

Station	LT GUT	Rough Grade	Curb Grade	Curb Stake	edge PVT Gr	RT 1/4	Rough Grade	Top of Grade	Curb Stake	RT GUT
E. Allen BC RT = SELY 0+08 = Ch			142.37		42.06	—		141.72	Co. 85 142.57	
P.L. E. Allen 0+00 = ELY			141.87	25.89	Co. 41 Co. 41 141.30	141.89 C-0.59	C 1.37 141.87	140.50		

= 0+00										
ELY P.L. E. Allen 3+04.91 =			141.87	25.89	Co. 06 41.36 141.30	141.89 C-0.59				
(15')										
2+89.91			140.93	25.84	140.30	140.68 C-0.38				
(15')										
R.E. Allen - 2+74.91			140.00	25.79	F0.89 F1.05 38.45 139.50	139.59 C-0.09				
(15')										
2+59.91			139.06	25.74	138.72	138.97 C-0.25				
(15')										
ALLEN ST Wly P.L. E. 2+44.91 =			138.13	25.69	F0.84 F2.76 35.74 137.90	137.95 C-0.05	F4.14 133.56	137.70		
Ch BC RT 2+36.91 =			137.63		137.38			137.13	F0.55 136.57	
13+K in Grade 2+34.91 =			137.50	25.66	F0.94 F2.32 34.93 137.25	137.10 F0.15	F3.58 133.42	137.00	F0.60 136.40	

in intersection

Pave Brandy Wine ST - Ethan Allen

To Trenton - DWG - 2953-D-Cont

Station	LT = Nly		Header Curb Stake	Distance from Nly edge of Pave To 5/8 prop line	RT = Sly		Curb Stake	RT GUT	
	LT GUT	Rough Grade			Topcb Grade	edge of Pave Gr			Rough RT Grade
Grade Brk 2+34.91			F0.49 174.26	26.66	F1.80 72.95 174.75	F1.48 173.27	F2.37 172.13	174.50 C003 174.53	
(25.74) 2+09.17			F0.09 170.95	26.58	F1.91 59.73 171.04	F0.98 70.06	ON PROPLAN C0.85 171.63	170.78 C019 70.97	
(25.74) 1+83.43			C013 167.75	26.49	F1.55 65.77 167.32	F0.72 66.60	ON PROPLAN C1.77 168.83	167.06 C082 167.88	
(25.74) 1+57.69			C014 163.74	26.41	F0.96 62.64 163.60	F1.01 162.59	C2.44 165.78	163.34 F024 163.10	
(25.74) alley BCRT 1+31.95			F0.02 159.86	26.32	F0.82 59.06 159.88	F1.25 58.63	C2.15 161.77	159.62 F005 59.57	159.12
(19') alley BCRT 1+12.95			C0.15 157.28	26.26	F1.34 55.79 157.13	F1.29 155.54	C1.48 58.36	156.88 Grade to Nly 156.88	156.38
(25.73) 0+87.22			C0.27 153.68	26.18	F1.34 54.87 153.41	F1.59 157.82	C2.12 55.28	153.16 F0.17 152.99	
(25.74) 0+61.48			C0.25 149.94	26.09	F1.56 48.73 149.69	F1.41 48.28	C1.90 151.34	149.44 C023 149.66	
(25.74) 0+35.74			C0.08 146.05	26.01	F0.48 F0.88 45.09 145.97	F0.48	C1.43 147.15	145.72 C028 146.00	
(25.74) in Grade 0+10 = Brk				25.92		142.25	142.96 C-0.71	142.00 C0.94 142.94	

Pave Brandywine - Paul Jones To

Trenton cont

LT = N14

Restaking RT = S14

Station	LT 90T	Rough Grade	Top cb Grade	Curve Stake	Distance from N/edge of pave to Sly 12.5	N/edge of pave Grade	RT #4	Rough Grade	Top cb Grade	Curve Stake	RT GOTTEN
B-K 0+10 = Grade				C082 180.57	26.89	179.75				C044 179.50	79.94
SEly Princeton 0+08 = Cb BC						179.58				C041 179.76	
Princeton 0+00 = Ely Pt.				C105	26.86	C0.99 179.89 178.90		C0.15 178.80		178.65	

= 0+00 ahead P.L. Princeton 3+04.91 = Ely (15')				C101 179.91		C0.99 179.89 178.90	C-1.15 80.05	C015 178.80		178.65	178.40
2+89.81 (15')				C078 178.73		177.95					177.50
2 Princeton 2+74.91 (15')				C006 177.36	26.80	C0.47 77.77 177.30	C0.47 77.77				176.65
2+59.91 (15')				F0.39 176.24	26.74	176.23				175.	175.65
P.L. Princeton 2+44.91 = Wly				F0.35 175.35	26.69	F111 174.59 175.70	F0.90 74.80	6' back F2.97 72.88		175.85	175.35
Princeton BC SWYCOR 2+36.91 = Cb						174.94				F018 174.75	174.25

Distance from N/edge of pave to Sly Proposed

Pave Brandy Wine - Part
LT = Nly -

Jones to

Trenton - cont
RT = Sly -

10

Station	LT gUT	PropL Grade	Topcb Grade	Header Curb Stake	Distance from Nly edge of Pave to 5/8 P.L.	Nly edge of Pave Grade	Restaking of Rough Curb RT 1/4	PropL Grade	Topcb Grade	Curb Stake	RT BOT
ARK 2+60.02 = Gr (28.26)				C0.06 201.31	27.65	C0.99 202.24 201.25		F2.56 198.44	201.00	C0.23 201.23	
2+31.76 (28.25)				C0.17 198.99	27.56	C1.52 200.14 198.82	C0.68 99.50	F2.10 196.47	198.57	C0.12 198.69	
2+03.51 (28.25)				C0.25 196.64	27.48	C1.23 197.62 196.39	C0.61 97.00	F1.61 194.53	196.14	C0.11 196.25	
1+75.26 (28.25)				C0.26 194.22	27.38	C0.58 194.54 193.96	C0.44 94.46	F1.09 192.62	193.71	C0.12 193.83	
B.C. RT 1+47.01 = alley (24')				F0.08 191.45	27.30	C0.12 191.95 191.53	C0.16 91.69	F1.70 189.58	191.28	F0.14 191.14	190.78
alley B.C. RT 1+23.01 = (28.26)				F0.21 189.26	27.23	F0.27 89.20 189.47	F0.44 89.03	F3.41 185.81	189.22	F0.24 188.98	188.72
0+94.75 (28.25)				F0.34 186.70	27.14	C0.25 87.24 187.04	C0.08 87.12	F1.54 185.25	186.79	F0.53 186.26	
0+66.50 (28.25)				F0.25 184.36	27.06	C0.34 84.95 184.61	C0.19 84.80	F0.99 183.37	184.36	F0.15 184.21	
0+38.25 (28.25)				C0.34 182.52	26.97	C0.98 83.76 182.18	C0.87 83.05	F0.40 181.53	181.93	C0.14 182.07	

Pave Brady wire - Paul Jones to

LT=Nly-

Trenton cont

11

Station	LT 90TTa	Rough Grade	Top cb Grade	Header Curb Stake	Distance From Nly edge of Pave To P.L.	Nly edge Pave Grade	Restaking of Nly e.p. RT 1/4	RT = Sly Rough Grade	Top cb Grade	Curb Stake	RT 90T
Moultrie P.L. 0+00 = Fly				C089 206.14	27.86	C0.07 206.32 205.25		F1.26 203.49	204.75		
0+00 Ahead					27.86						
Moultrie Fly P.L. 3+30.02 =				F0.31 204.94	27.86	C-1.07 206.32 205.25	C0.92 06.17	F1.26 203.49	204.75		
3+15.02				C054 204.94		204.40					
Moultrie 3+00.02				C0.65 204.30	27.77	C-1.33 204.78 203.65	C1.33 04.98				
(15')											
2+85.02				C003 202.93		202.90					
(15')											
Moultrie Wly P.L. 2+70.02 =				F0.07 201.93	27.68	C-1.06 203.06 202.00	C0.70 202.70	F2.67 199.13	F1.17 201.80		
Moultrie 13c SWly csk 2+62.02 = Cb						201.40			201.17	C0.13 201.30	

Pave Brandywine St. Park Jones

LT = Nly.

To Trenton - cont

RT = Sly

12

Station	90T	Rough Grade	Topcb Grade	Curb Stake	Distance from N edge of Pave to Sly PL.	Nly edge of Pave grade	RT	Rough Grade	Topcb Grade	Curb Stake	RT 90T
= 9' grade Park 2+60.04					28.64	229.25	F0.73 28.52	F3.66 225.35	229.60		228.50
(28.27)						226.71					
2+31.77					28.56	226.63	Grade F0.73 26.63	F2.15 224.23	226.38		
(28.25)						224.53					
2+03.52					28.47	224.00	C0.35 24.35	F2.29 221.46	223.75		
(28.25)						221.73					
1+75.27					28.38	221.37	C0.32 21.69	F1.83 219.29	221.12		
(28.25)						F0.09					
MC RT 1+47.02 = alley					28.30	218.65 218.74	F0.13 18.61	F2.13 216.36	218.49		17.99
(24')						F0.53					
= alley BC RT 1+23.02					28.23	215.98 216.51	F0.35 16.16	F2.95 213.31	216.26		15.76
(28.27)						F0.84					
0+94.75					28.15	213.03 213.89	F0.97 12.92	F1.62 212.02	213.64		
(28.25)						F0.91					
0+66.50					28.06	210.35 211.26	F0.87 10.39	F1.73 209.28	211.01		
(28.25)						F0.23					
0+38.25					27.98	208.40 208.63	F0.18 08.45	F2.73 205.65	208.38		
(28.25)											
Break 0+10 = Grade					27.89	206.00			205.75		
SEly Moulding 0+08 = Cb BC						205.85			205.60		
											C0.01 205.61

See page 79

See page 79 for change
This Block

Pave Brandywine - Paul Jones
 LT = Nly

To Trenton Co. RT
 RT = Sly

Station	LT 90T	Rough grade	Top of grade	curb stake	Nly edge of Pave Grade	RT 114	Rough Grade	Top of grade	curb stake	RT 90T
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Distance from Nly edge
of Pave to Sly PL.

edge Pave
 2+98.24 = Fly

F 0.99
 230.31

F 0.81 }
 230.49 }
 231.30 }

2+82.04

F 1.27
 229.32

230.59

P. to Trenton
 2+70.04 = Wly

F 1.33
 228.62 28.70

F 0.46 }
 229.49 }
 229.95 }

F 2.51
 227.09 229.60

229.20

Trenton
 BC SWly CR
 2+62.04 = CB

229.39

229.15

28.64

Pave Ethan Allen ST. Ticonderoga
 LT = Wly

To Banker Hill ST - DWG 2547-D 14
 2-28-56 WOP# 31635
 P 13 234C-29 RT = Ely

Station	LT GUT	Rough Grade	Top cb Grade	Curb Stake	Grade	Ely 114 RT	Rough Grade	Top cb Grade	Curb Stake	RT GUT
2+40		F0.37 73.98	74.35	C0.40 74.75	74.70	74.80	C 1.83 77.08	75.15	C0.13 75.28	74.65
2+00		F0.77 71.02	71.79	C0.47 72.26	72.15	72.24	C0.34 72.93	72.59	C0.06 72.65	72.09
1+60		F0.70 68.54	69.24	C0.42 69.66	69.59	69.69	C2.05 72.09	70.04	C0.12 70.16	69.54
EVC 1+20 =		F1.87 64.81	66.68	F0.23 66.48	67.04	67.13	C-2.31 69.79	67.48	C0.34 67.82	66.98
1+00		F1.19 64.18	65.37	C0.06 65.43	65.73	65.82	C1.22 67.39	66.17	C0.22 66.39	65.67
0+80		F0.91 63.07	63.98	C0.32 64.30	64.34	64.43	C 1.97 66.75	64.78	C0.29 65.07	64.28
0+60		C-1.08 63.61	62.53	C0.19 62.63	62.89	62.98	C 1.95 65.28	63.33	C0.43 63.76	62.83
BVC 0+40 =		C0.14 61.4	61.00	C0.26 61.26	61.36	61.45	F0.36 61.44	61.80	C0.28 62.08	61.30
LT+RT 0+10 = Cb. P.C.			58.66	C 1.20 59.86	59.00	58.85		59.46	C0.28 60.33	58.46
P.L. Ticonderoga 0+00 = Nly		C 1.31 60.51	59.20		58.05	58.84	F0.38 59.52	59.90		59.40

Pave Ethan Allen - Ticonderoga
LT = Wly

To Bunker Hill Cont
RT = Ely

14

Station	LT 90T	Rough Grade	Top cb Grade	Curve Stake	d grade	RT = 21/1/4	Rough Grade	Top cb Grade	Curve Stake	RT 90T
5400	F42 OUTLZ	F4.11 89.00	93.11	F0.01 93.10	93.47	93.56	C4.00 97.91	93.91	F0.18 93.73	93.41
4480	F37.5 OUTLZ	F4.83 87.01	91.84	C0.14 91.98	92.20	92.29	C2.22 94.86	92.64	F0.03 92.61	92.14
4460 = BVC		F2.92 87.46	90.38	C0.24 90.62	90.74	90.83	C2.55 93.73	91.18	C0.11 91.29	90.68
4426.66		F1.40 86.38	87.78	C0.33 88.11	88.14	88.23	C1.93 90.51	88.58	C0.24 88.82	88.08
3493.33		F1.71 83.47	85.18	C0.63 85.81	85.54	85.63	C1.58 87.56	85.98	C0.10 86.08	85.48
EXC, 3460 =		F1.73 80.85	82.58	F0.46 82.12	82.94	83.03	C1.99 85.37	83.38	C0.14 83.52	82.88
3440		F1.61 79.45	81.06	F0.71 80.35	81.42	81.51	C-1.33 83.19	81.86	C0.12 81.98	81.36
3420	X' ON POORCH	F0.90 78.76	79.60	F0.28 'X' 79.32	79.96	80.05	C-1.88 82.28	80.40	C0.06 80.46	79.90
3400		F0.97 77.25	78.22	F0.23 77.99	78.58	78.67	C0.55 79.59	79.02	F0.08 78.94	78.52
2480 = BVC	X' ON POORCH	C0.17 77.07	76.90	C0.13 77.03	77.26	77.35	C1.27 78.97	77.70	F0.11 77.59	77.20

Pave E. Allen - Ticonderoga TO
LT = Wly

Bunker Hill cont
RT = Ely

17

Station	LT GUT	Rough Grade	Top cb Grade	curb Stake	grade	2 Fly	Rough Grade	Top cb Grade	curb Stake
Hill Sty P.L. Bunker 6+00.01 =	111	F1.97 95.38	97.35		97.47	97.75	F0.13 98.17	98.30	97.80
R.C. LT+RT 5+90.01 = C6.	F5 ² 7 ⁸	F5 ¹ 91.95	97.00	C012 97.12	97.30	97.42	C1.92 99.72	97.80	F0.30 97.50 97.30
5+65.01	F9 ³ 14 ⁰	F.9.44 86.59	96.03	F0.40 95.63	96.36	96.46	C2.96 99.79	96.83	F0.04 96.79 96.33
E.V.C. 5+40.01 =	114 17 ²	F12.08 82.98	95.06	F0.18 94.88	95.42	95.51	X drive C2.16 98.02	95.86	C004 95.90 95.36
5+20	F13 ² OUT 20	F11.44 82.74	94.18	F003 94.15	94.54	94.63	C3.47 98.45	94.98	C001 94.99 94.48

Pave Ethan Allen Bunker Hill To
 FB 2346 - W/O # 37635
 LT = Wly.

Brandywine - DWG 2946-D

18

Station	LT			LT 114	ELY			RT = ELY -			RT 90T
	90T	Rough Grade	Top of Grade		Curb Stake	± grade	1/4 -	Rough grade	Top curb grade	Curb Stake	
2+00 ¹⁶		F-1.86 123.63	125.49	F0.29 125.20		125.85	125.95	C4.86 131.15	126.29	F0.40 125.89	125.79
1+80 ¹⁶		F-1.24 122.30	123.54	F0.40 123.14		123.90	123.99	wind drive C-3.17 127.51	124.34	F0.33 124.01	123.84
1+60 ¹⁶		F0.01 121.27	121.28	F0.41 120.87		121.64	121.73	C-1.88 123.96	122.08	F0.07 122.01	121.58
BVC 1+40 ¹⁶		F0.7 118.0	118.67	F0.28 118.39		119.03	119.12	C2.21 121.68	119.47	Grade 119.47	118.97
1+07 ⁶²		C2.67 116.84	114.17	C0.08 114.25		114.53	114.62	C2.25 117.22	114.97	C0.05 115.02	114.47
0+75 ⁰⁸		C2.03 111.71	109.68	C0.43 110.11		110.04	110.13	C-1.02 111.50	110.48	F0.09 110.39	109.98
0+42 ⁵⁴		F0.14 105.05	105.19	C0.85 106.04		105.55	105.63	C0.89 106.88	105.99	C0.13 106.12	105.49
BC RT+LT 0+10=Ck			100.70	C0.85 101.55		101.06	101.15		101.50	C0.51 102.01	101.00
HILL ST P.L. Bunker 0+00=Nly		C3.52 103.22	99.70			99.68	99.88	C2.06 102.41	100.35		99.85

Pave Ethan Allen B. Hill to
LT = wily

Brandywine cont
RT = ELY

19

Station	LT 90T	Rough Grade	Top of Grade	Curve Stake	♀ grade	ELY 1/4	Rough grade	Top of Grade	Curve Stake	RT 90T
4+40'6		F1.28 137.48	138.76	C0.09 138.85	139.12	139.21	C5.93 145.49	139.56	C0.28 139.84	139.06
4+20'6		F1.31 137.24	138.55	F0.26 138.29	138.91	139.00	C3.33 142.68	139.35	F0.10 139.25	138.85
4+00'6		F1.36 136.85	138.21	F0.16 138.05	138.57	138.66	C3.19 142.20	139.01	F0.36 138.65	138.51
3+80'6		F1.78 135.84	137.62	F0.18 137.44	137.98	138.07	C2.61 141.03	138.42	F0.38 138.04	137.92
3+60'6		F1.88 134.90	136.78	C0.06 136.84	137.14	137.23	C3.32 140.90	137.58	F0.24 137.34	137.08
3+40'6		F2.01 133.69	135.70	C0.26 135.96	136.06	136.15	C4.19 140.69	136.50	F0.30 136.20	136.00
B.V.C. 3+20'6		F2.77 131.60	134.37	C0.23 134.60	134.73	134.82	Non drive C4.95 140.12	135.17	Grade 135.17	134.67
2+86.82		F4.16 127.79	131.95	C0.79 132.74	132.31	132.40	C6.96 139.71	132.75	F0.01 132.74	132.25
2+53.49		F-1.58 127.95	129.53	C0.34 129.87	129.89	129.98	C-4.39 134.72	130.33	F0.06 130.27	129.83
EVC 2+20'6		F1.42 125.69	127.11	F0.15 126.96	127.47	127.56	C-3.55 131.46	127.91	F0.37 127.54	127.41

PAVE E. ALHAST - BUNKER HILL TO

Brandywine CRT

20

LT = w/ly -

RT = ELY

Station	LT gUT	Rough Grade	Top of Grade	Curb Stake	♀ grade	ELY 1/4	Rough Grade	Top of Grade	Curb Stake	RT gUT
Wine St P.L. Brandy 5+80' = 5/4		F4.67 133.48	138.15		138.58	138.96	C2.84 142.52	139.68		139.18
C6 AC LVRT 5+70' =			138.20	F067 137.53	138.58	138.74		139.16	F0.13 139.03	138.66
5+60' =		^{81 back} F4.82 133.49	138.31	F063 137.68	138.67	138.76	C5.17 144.28	139.11	C0.25 139.36	138.61
5+40' =		F5.02 133.52	138.54	F0.33 138.21	138.89	138.98	C6.59 145.92	139.33	Grade 139.33	138.83
E.V.C 5+20' =		F5.42 133.34	138.76	F0.09 138.67	139.12	139.21	C9.05 146.61	139.56	F0.16 139.40	139.06
5+00' =		F-1.84 137.08	138.92	C0.14 139.06	139.28	139.37	C6.80 146.52	139.72	C0.01 139.73	139.22
4+80' =		F1.67 137.31	138.98	C0.39 139.37	139.34	139.43	C6.45 146.23	139.78	C0.65 140.43	139.28
4+60' =		F1.31 137.61	138.92	C0.34 139.26	139.28	139.37	C4.43 144.15	139.72	C0.43 140.15	139.22

Pave Princeton ST. Ticonderoga To
 2-29-56 - PB 2346-
 LT=WHY

BUNKER HILL - DWG# 2949-D.
 RT=CLY. WO# 31635 21

Station	LT 90T	Rough Grade	Top cb Grade	curb Stake	z Grade	RT 1/4 CLY.	Rough Grade	Top cb Grade	curb Stake	RT 90T
2+19.50		F0.94 88.56	89.50	C0.52 90.02	89.71	89.71	C6.06 96.06	90.00	C0.31 90.31	89.50
1+91.00		F1.45 85.36	86.81	C0.39 87.20	87.02	87.03	C5.86 93.17	87.31	C0.37 87.68	86.81
1+62.50		F2.49 81.63	84.12	C0.36 84.48	84.33	84.34	C7.34 91.96	84.62	C0.08 84.70	84.12
1+34.00		F2.67 78.76	81.43	Grade 81.43	81.64	81.65	C5.35 87.28	81.93	C0.29 82.22	81.43
1+05.50		F1.95 76.78	78.73	C0.12 78.85	78.94	78.95	C7.21 86.44	79.23	C0.15 79.38	78.73
0+77		C0.26 76.30	76.04	C0.23 76.27	76.25	76.26	C5.68 82.22	76.54	C0.37 76.91	76.04
0+48.50 (28.5)		F1.38 71.97	73.35	C0.21 73.56	73.56	73.57	C8.01 81.86	73.85	C1.54 75.39	73.35
0+20		C0.54 71.20	70.66	C0.10 70.76	70.87	70.88	C8.86 80.02	71.16	C1.30 72.46	70.66
B.C. LT+RT 0+10=C6			69.72	F0.33 69.39	69.91	70.02		4'bx fecs 70.40	C1.13 71.53	69.90
Ticonderoga 0+00=NHYP.L.		F0.65 68.05	68.70		68.97	69.30	C7.60 77.70	70.10		69.60

PAVE Princeton - Ticonderoga
LT = wly -

TO Bun Kek Hill cont

RT = Ely

22

Station	LT 9UT	Rough Grade	Top cb Grade	curb stake	± grade		Rough grade	Top cb Grade	curb stake	RT 9UT
5+04.50		F2.36 114.07	116.43	C0.10 116.53	116.64	116.65	C2.98 119.91	116.93	C0.45 117.38	116.43
4+76.00		F1.81 111.93	113.74	C0.31 114.05	113.95	113.96	C3.51 117.75	114.24	C0.18 114.42	113.74
4+47.50		F1.64 109.40	111.04	C0.42 111.46	111.26	111.27	C3.74 115.28	111.54	C0.28 111.82	111.04
4+19.00		F1.65 106.70	108.35	C0.63 108.98	108.57	108.58	C4.69 113.54	108.85	C0.51 109.36	108.35
3+90.50		F1.27 104.39	105.66	C0.94 106.60	105.87	105.88	C6.51 112.67	106.16	C0.85 107.01	105.56
3+62.00		C0.54 103.51	102.97	C0.68 103.65	103.18	103.19	C8.31 111.78	103.47	C0.83 104.30	102.97
3+33.50		F1.50 98.77	100.27	C0.40 100.67	100.49	100.50	C6.41 107.18	100.77	C0.57 101.34	100.27
3+05.00		F1.29 96.29	97.58	C0.38 97.96	97.79	97.80	C6.47 104.55	98.08	C0.77 98.85	97.58
2+76.50		F1.71 93.18	94.89	C0.22 95.11	95.10	95.11	C6.18 101.57	95.39	C0.72 96.11	94.89
2+48.00		F0.90 91.30	92.20	C0.35 92.55	92.41	92.42	C6.52 99.22	92.70	C0.57 93.27	92.20

Pave Princeton - Ticonderoga Tr

LT = Wly -

Bunker Hill cont

RT = Ely

Station	LT 9UT	Rough Grade	Top of Grade	curb Stake	Grade		Rough grade	Top of grade	curb Stake	RT 9UT
Hill Sly P. L. Bunker 549978 =		F2.65 121.95	124.60		125.30	125.47	C1.65 127.55	125.90		125.40
cb next to 5489.78 =		F3.20 121.13	124.33	F0.46 123.87	124.70	124.72	C1.74 126.74	125.00	F0.31 124.69	124.50
5479.78		F3.50 120.06	123.56	F0.52 123.04	123.77	123.78	C2.17 126.23	124.06	F0.38 123.68	123.56
5461.50		F3.65 118.16	121.81	F0.26 121.55	122.03	122.04	C2.98 125.29	122.31	C0.04 122.35	121.81
5433.00		F2.74 116.38	119.12	F0.10 119.02	119.34	119.35	C2.16 121.78	119.62	C0.44 120.06	119.12

Pave Princeton ST - Bunker Hill To

FR-2346-2-29-56.

LT = W14

Brandywine - DWG 2948 -

W.O.# 31635

RT = E44

24

Station	LT 9UT	Rough Grade	Top of Grade	Curve Stake	2 grade	E44 grade	Rough grade	Top of Grade	Curve Stake	RT 9UT
2+00		F3.22 142.74	145.96	F0.33 145.63	146.34	146.40	C1.94 48.67	146.73	F0.12 146.61	46.23
1+80		F3.81 140.39	144.20	F0.15 144.05	144.54	144.76	C2.55 47.52	144.97	F0.30 144.67	44.47
1+60		F2.65 139.72	142.37	C0.02 142.39	142.70	142.77	C4.46 47.57	143.11	C0.05 143.16	42.61
1+40		F3.13 37.33	140.46	F0.04 140.42	140.78	140.84	C6.87 48.04	141.17	C0.09 141.26	40.67
1+20		F1.27 37.20	138.47	F0.07 138.40	138.77	138.83	C6.98 46.13	139.15	C0.04 139.19	38.65
1+00 = BVC		C0.38 36.80	136.42	F0.22 136.20	136.68	136.73	C4.46 C2.67 39.70	137.03	F0.12 136.91	36.53
0+60		F0.34 131.90	132.24	F0.26 131.98	132.44	132.44	C4.24 136.95	132.71	C0.61 133.32	132.21
0+20		C1.26 129.32	128.06	F0.03 128.03	128.20	128.17	C7.81 36.21	128.30	C0.55 128.85	127.80
LT + RT 0+10 = Ch Bc			127.02	C0.01 127.03	127.13	127.28		127.70	C0.31 128.01	127.20
HILL ST AL Bunker 0+00 = NY		C1.17 127.27	126.10		126.20	126.72	C6.21 133.71	127.50	127.00	127.00

Pave Princeton - Bunker Hill to Brandywine cont

25

Station	LT 90T	Rough Grade	Top of Grade	Curb Stake	EL grade	ELY 1/4	Rough grade	Top of Grade	Curb Stake	RT 90T
5+35		F1.51 172.10	173.61	F0 31 173.30	173.82	173.85	C2.87 177.02	174.15	F0 08 174.07	73.65
5+00		F1.03 169.69	170.72	C0 16 170.88	170.95	171.00	C2.28 173.57	T.P. 171.29	C0.17 171.46	70.79
4+65		F0.83 167.01	167.84	C0 09 167.93	168.08	168.13	C4.97 173.40	169.43	C0 19 168.53	67.93
4+30		F0.63 164.33	164.96	C0 14 165.10	165.21	165.26	C1.73 167.30	165.57	C0.20 165.77	65.07
3+95		F1.29 160.78	T.P. 162.07	C0 12 162.19	162.34	162.39	F0.87 161.84	162.71	F0.35 162.36	62.21
3+60		F3.95 155.24	159.19	F0 04 159.15	159.47	159.54	F6.52 153.33	F6.4 OUT 96 159.85	F0 65 159.20	59.35
3+25	F7.1 OUT 10 1/2	F7.12 149.18	156.30	C0 12 156.42	156.60	156.67	F8.96 148.03	F8.8 OUT 15 1/2 156.99	F0.27 156.72	56.49
2+90	F11.4 OUT 17 1/2	F12.40 141.02	T.P. 153.42	F0.24 153.18	153.73	153.80	F2.20 151.93	154.13	F0.26 153.87	53.63
2+55	F13.1 OUT 19 1/2	F10.02 140.51	150.53	C0 03 150.56	150.86	150.93	C0.92 152.19	151.27	F0 27 151.00	50.77
EV C 2+20 =		F3.39 144.26	147.65	F0 20 147.45	147.99	148.07	C1.46 149.87	148.41	C0 05 148.46	47.91

Pave Princeton - Bunker Hill
LT = wly

To Brandywine cont
RT = ely.

26

Station	LT 90T	Rough Grade	Top cb Grade	Curb Stake	± grade	Rough grade	Top cb grade	Curb Stakes	RT 90T
Brandywine 319 P.L. 5+80 ⁰⁰ =			176.25		176.70	177.17	177.90		77.40
RT cb 13c 17+ 5+70 ⁰⁰ =		F3.62 172.60	176.22	F1.40 174.82	176.50	176.63	C1.95 178.97	0015 177.17	76.52
5+60 ⁰⁰		^x F2.99 172.68	175.67	F1.16 174.51	175.88	175.91	C2.26 178.46	F0.04 176.16	75.70

STAKE Mouthie ST. - Ticonderoga To
 3-1-56 - Durg 2951-D - C. Allen, Susan
 Parks, Paulson

Bunker Hill - v10 # 32615

27

Station	LT gUT	Rough Grade	Top cb Grade	curb Stake	ℓ grade	c17/4	Rough Grade	Top curb Grade	curb Stake	RT gUT
E.V.C. 2+20 =		C0.18 119.48	119.30	F044 118.86	119.66	119.75	C4.57 124.67	120.10	F034 119.76	119.60
2+00		C1.36 118.19	116.83	F033 116.50	117.19	117.28	C1.77 119.40	117.63	F006 117.57	117.13
1+80		C1.70 115.88	114.18	F018 114.00	114.54	114.63	C3.75 118.73	114.98	C0.17 115.15	114.48
1+60		C1.16 112.48	111.32	F0.15 111.17	114.68	111.77	C6.51 118.63	112.12	C024 112.36	111.62
1+40		C0.42 108.70	108.28	C011 108.39	108.64	108.73	C3.66 112.74	109.08	C0.57 109.65	108.58
1+20		C2.37 107.40	105.03	C018 105.21	105.39	105.48	C1.70 107.53	105.83	C032 106.25	105.33
BVC 1+00 =		C5.19 106.79	101.60	C020 101.80	101.96	102.05	C0.61 103.01	102.40	C030 102.70	101.90
(45)										
0+55		C0.47 94.12	93.65	F011 93.54	94.00	94.09	F8.91 88.54	94.45	F092 93.53	93.95
(45)										
B.C. LT+RT 0+10 = C6		F2.20 83.56	85.70	F0.17 85.53	86.05	86.14	F6.3 85.94 F5.58 80.92	86.50	C003 86.52	86.00
Ticonderoga P.L. 0+00 = N/4		F1.53 82.47	84.00		84.32	84.55		85.05		84.55

Pave Moultrie ST - Ticonderoga
LT = wly

To Bunker Hill cont
RT = ELY

29

Station	LT 90T	Rough Grade	Top cb Grade	Curb Stake	L grade	ELY 1/4	Rough Grade	Top cb grade	Curb Stake	RT 90T
7403.60										
Bunker Hill 517 P.L.		F3.81 149.81	153.62		155.07	155.18	C3.91 159.46	155.55		155.05
5+99.75 =										
BC RT 5+91.75 = C6								BC RT 154.68	F0.31 154.37	
Cb BC LT 5+89.75 =			153.52	F0.63 152.85	154.25	154.24		154.50		154.00
5+79.75		F4.12 148.78	152.90	F0.62 152.28	153.36	153.39	C5.13 158.82	153.69	F0.06 153.63	153.19
(27.95)										
5+51.80		F3.68 146.95	150.63	F0.19 150.44	151.07	151.12	C7.21 158.64	151.43	C0.23 151.66	150.93
5+13.85		F2.92 144.64	147.56	C0.14 147.70	147.98	148.04	C8.24 156.60	148.36	C0.07 148.43	147.86
4+75.90		F1.78 142.71	144.49	C0.65 145.14	144.89	144.96	C9.77 155.06	145.29	C0.16 145.45	144.79

Pave Moultry St. Bunker Hill
 3-2-52 - Dwg 2950-D
 LT = Wly.

To Brandywine 31635 = W04
 RT = eLy.

30

Station	LT 9UT	Rough grade	Top of Grade	Curb Stake	2 grade	EL 1/4	Rough grade	Top of Grade	Curb Stake	RT 9UT
E.V.C. 1+80 =		F1.57 170.92	172.49	C013 172.62		172.85	172.94	C3.59 176.88	C020 173.49	172.79
1+60		F1.63 169.15	170.78	F006 170.72		171.14	171.23	C2.51 174.09	F003 171.55	171.08
1+40		F1.98 167.00	168.98	F001 168.97		169.34	169.43	W/ON DRIVE C4.02 173.80	C017 169.95	169.28
1+20		F2.00 165.05	167.05	F013 166.92		167.41	167.50	C5.41 173.26	C015 168.00	167.35
1+00 = BYC		F2.08 162.97	165.05	F0.08 164.97		165.41	165.50	C6.36 172.21	C022 166.07	165.35
0+60		F1.84 159.06	160.90	C034 161.24		161.25	161.34	C4.89 166.58	F010 161.59	161.19
0+20		F2.31 154.43	156.74	C0.41 157.15		157.10	157.19	C5.69 163.23	C076 158.30	157.04
LT 0+10 = cb BC			155.70	W/ON DRIVE C0.39 156.09		156.20	156.37		C088 157.58	156.30
RT 0+08 = ch BC								156.70		156.20
Bunker Hill 0+00 = N/4 PL		F1.25 153.55	154.80			155.61	156.05	C4.88 161.63	156.75	156.25

Pave Moultrie ST - Bunker Hill
 LT = vly.

To Brandywine cent
 RT = Ely

Station	LT 90T	Rough Grade	Top cb Grade	Curb Stake	± Grade	Rough Grade	Top cb Grade	Curb Stake	RT 90T
4+93.33 (33.33+)		F3.69 193.40	197.09	F0.53 196.56	197.56	197.59	C0.83 198.72	C0.16 198.05	197.39
E.V.C. 4+60 =		F2.62 192.25	194.87	F0.29 194.58	195.23	195.32	C1.99 197.66	C0.09 195.76	195.17
4+40		F2.02 191.48	193.50	F0.35 193.15	193.86	193.95	C2.20 196.50	C0.19 194.40	193.80
4+20		F1.19 190.85	192.04	F0.27 191.77	192.40	192.49	C2.08 194.92	C0.28 193.12	192.34
4+00		F0.68 189.83	190.51	F0.09 190.42	190.87	190.96	C1.77 193.08	C0.32 191.63	190.81
B.V.C. 3+80 =		F0.72 188.19	188.91	F0.05 188.86	189.27	189.36	C1.69 191.40	C0.27 189.98	189.21
3+40		F0.81 184.80	185.61	C0.20 185.81	185.99	186.08	C1.59 188.00	C0.37 186.78	185.91
3+00		F0.68 181.65	182.33	C0.18 182.51	182.70	182.79	C-2.12 185.25	Grade 183.13	182.63
2+60		F1.22 177.83	179.05	C0.19 179.24	179.42	179.51	3+BACK P.L. C2.97 182.82	Grade 179.85	179.35
2+20		F1.46 174.31	175.77	C0.26 176.03	176.13	176.22	C3.53 180.10	C0.30 176.87	176.07

Pave Moffric ST - Bunker Hill
 LT = Wly -

To Brandywine cont
 RT = eLy -

32

Station	LT 9UT	Rough grade	Top of Curb grade	Curb Stake	± grade	Rough grade	Top of Curb grade	Curb Stake	RT 9UT
W 119 ^e ST P.L. Brandy - S+780 = 5/4		F2.69 199.43	202.12		202.92	203.23	C0.62 204.42	203.80	203.30
Ch BC RT 4/15 S+70 =		F4.13 197.99	202.12	C001 202.13	202.80	202.77	C0.47 203.47	F0.25 202.75	202.50
S+60 ⁰⁰		F4.75 196.78	201.53	F0.53 201.50	202.22	202.14	C0.85 203.18	F0.21 202.12	201.83
S+26.66		F5.44 193.87	199.31	F0.14 199.17	199.89	199.87	C1.73 201.84	C001 200.12	199.61

Bare Trenton - Bunker Hill T

3-5-56 - W/O # 31635

LT = W/LY

Brandywine - Dwg # 2952-D

33

Station	LT gvt	Rough grade	Topcb grade	curb stake	edge pav stake	grade at edge edge Pav	Rough grade	Finished edge Pav	Distance ELY Edge Pave To WLY Pit,
1+40 = B.V.C.	200.43	C1.66 202.59	200.93	F020 200.73	C157 202.27	200.64	C2.55 203.19		28.08
1+07.5	197.07	C2.10 199.67	197.57	F0.51 197.06	C114 198.42	197.29	C3.50 200.79		28.07
0+75	93.72	C2.98 197.20	194.22	F036 193.86	C186 195.79	193.93	C5.09 199.02		28.06
0+42.5	90.36	C4.39 195.25	190.86	F0.13 190.73	C248 193.05	190.57	C4.72 195.29		28.05
(32.5)									
0+10	87.01		187.51	C0.46 187.97	C168 188.89	187.21			
LT - NWLY C&K.									
0+08 = Ob P.C.	186.75		187.25	C0.33 87.58					
B.H. 11		C3.90			C180		C2.42		
0+00 = NLY P.L.	195.81	190.21	186.31		188.05	186.25	88.67		
Ob Line B.Hill									
0-12 = NLY					C.102 186.52	185.50	C0.55 86.05		
B.Hill									
0-30 = L					C043 185.43	185.00	F0.59 184.41		
Line B.Hill									
0-48 = SLY CB									

F300 Top CB = 185.05 - gvt = 184.55
184.55 - 81.55 see sheet 14.

Pave Trenton ST - Bunker Hill
LT = wly -

To Brandywine Pint.
RT = eLy.

34

Station	LT gUT	Rough grade	Topes grade	Curv stake	edge Pav stake	grade of edge of pave	Rough grade	Finished edge Pavc	Distance from Ely edge of Pave to wly PL.
3+66.67	10.34	C0.69 211.53	210.84	C0.14 210.98	Set 40.506	^{F32-45} 210.55	F2.76 207.79		28.10
3+33.33	09.97	C1.25 211.72	210.47	F0.35 210.12	F0.18 210.00	210.18	^{F0.4} F0.93 209.25		28.14
E.V.C. 3+00 =	09.60	C1.84 211.94	210.10	F0.42 209.68	F0.15 209.66	209.81	F0.33 209.48		28.13
2+80	09.25	C1.75 211.50	209.75	F0.57 209.18	F0.12 209.34	209.46	C0.19 209.65		28.12
2+60	08.69	C1.67 210.86	209.19	F0.69 208.50	C0.05 208.95	208.90	C0.75 209.65		28.12
2+40	07.88	C1.23 209.61	208.38	F0.68 207.70	C0.16 208.25	208.09	C1.07 209.16		28.11
2+20	06.86	C0.86 208.22	207.36	F0.32 207.04	C0.39 207.46	207.07	C1.47 208.54		28.11
2+00	05.59	C0.71 206.80	206.09	F0.29 205.80	C0.59 206.39	205.80	C1.69 207.49		28.10
1+80	04.11	C0.87 205.48	204.61	F0.34 204.27	C0.81 205.14	204.33	C2.01 206.34		28.09
1+60	02.38	C1.43 204.31	202.88	F0.15 202.73	C1.24 203.83	202.59	C2.48 205.07		28.09

Pave Trenton - Bunker Hill To

Brandywine cont

Station	LT = WtY				RT = ELY				Distance from Ely edge of Ave To WtY P.C.
	LT 90T	Rough grade	Top of grade	Curb stake	edge Pav. Stake	grade at ELY edge Pav.	Rough Grade	Finished edge Pav.	
wine Brandy- 314 P.C. 5+80.03 =	28.85	F2.45 226.90	229.35		F0.10 229.40	229.50	PE nail C0.01 229.51		28.20
cb. B.C.L.T. 5+70.03 =	27.71	F3.10 225.11	228.21	F0.55 227.66	F0.12 227.79	227.91	F0.81 227.10		28.20
5+40	22.84	F2.50 220.84	223.34	F0.77 222.57	F0.18 222.87	223.05	F2.05 F1.85 221.20		28.19
5+20	19.82	F1.89 218.43	220.32	F0.82 219.50	F0.43 219.60	220.03	F2.10 F2.04 217.99		28.18
5+00	17.22	F1.69 216.03	217.72	F0.72 217.00	F0.43 217.00	217.43	F2.50 F2.44 214.99		28.18
4+80	15.06	F1.49 214.07	215.56	F0.20 215.36	set to sub	215.27	F4.66 F4.06 211.21		28.19
4+60	13.35	F0.78 213.07	213.85	F0.01 213.84	set to sub	213.86	F7.10 F5.14 208.42		28.17
4+40	12.02	*C0.26 212.78	212.52	F0.05 212.47	set to sub	212.23	F5.78 F3.70 208.53		28.16
4+20	11.16	C0.48 212.14	211.66	F0.05 211.61	set to sub	211.57	F3.58 F3.13 208.24		28.16
BVC. 4+00 =	10.72	C0.47 211.69	211.22	C0.05 211.27	set to sub	210.93	F3.4 F3.14 207.79		28.15

Pave Ticonderoga - Morena To Moultrie St - Dwg # 2957-D - x10 # 31635 36
 LT = N19 - 3-6-56 - Allen, Sillin, Parks, Powell.
 RT = S19 -

Station	LT 90T	Rough Grade <small>2' back</small>	Top of grade	Curb Stake	1/2 edge Stake	Grade at sly edge of Pave	Rough Grade	Finished grade Pave
1+14 ³²		C5.60 61.24	55.64	C0.15 55.79	C1.12 56.39	55.27	C3.26 58.53	
E.V.C. 0+74 ³² =		<small>4' back</small> C8.65 60.87	52.22	C0.34 52.52	C2.48 54.39	51.91	C6.21 58.12	
0+54 ³²		C9.94 60.67	50.73	C0.45 51.18	C3.86 54.10	50.24	C6.8 57.0	
B.V.C. 0+34 ³² =		C9.70 59.32	49.62	C0.38 50.00	C1.79 50.69	48.90	C7.00 55.90	
only 0+24 ³² RT					C1.81 50.31	48.50	C6.46 54.96	
Alley BC - 2' R 0+21.32 =		C4.83 54.11	49.28	F0.01 49.27				
Alley Line 0+19 ³² = #14								
Sly - Pavement on 0+15 ⁴⁴ = begin					C1.23 49.55	48.32	C2.76 51.08	C2.97 51.29
Alley - Wly Line 0+04 ³⁰ =			47.82					
Ticonderoga Morena Prop Cok 0+00 = NELY		C7.79 55.59	47.80					

Pave Ticonderoga - Morena T3
RT only

Moultrie ST cont
RT - Sly -

Station	LT gvt	Rough grade	Tapes grade	Curve Stake	Sly edge staker	grade at sly edge with pave	Rough grade	Finished edge pave
E. ALLEN ELY P.L. Ahead - 0+00		C0.92 59.61	58.69		C024 58.44	58.20	F0.77 57.43	
Allen = ELY P.L. E. 1+94.32 =		C0.92 59.61	58.69		C024 58.44	58.20	F0.77 57.43	
1+79.32					C057 58.59	57.82	F1.02 56.80	
E. ALLEN 1+64.32 =					C054 58.04	57.50	F1.03 56.47	
RT only 1+49.32					F060 57.28	57.88	F1.25 56.163	
E. ALLEN Wly P.L. 1+34.32 =		C4.21 61.02	56.81		C061 57.08	56.47	C0.57 57.04	
E. Allen Cor. Tico + P.C. Nwly 1+26.32 = cb			56.67	C0.24 56.91	C072 56.77	56.05		
1+24.32		2' back C4.77 61.27	56.50	C0.22 57.77		55.95	C1.45 57.40	

LT only -

RT only -

Station	LT 90T	Rough Grade	Topes grade	Curbs Stake	Slj edge Stakes	grateat Slj edge at pave	Rough Grade	Finished edge Pave
2+09.14		C2.75 69.27	66.52	C0.34 66.86	F0.76 65.43	66.19	F0.75 65.44	
1+83.41		C3.78 69.33	65.55	C0.37 65.92	F0.38 64.83	65.21	F0.37 64.84	
1+57.67		PK C2.24 66.82	64.58	C0.50 65.08	C0.14 64.37	64.23	C0.13 64.36	
alley BC 1+31.94 =		C2.85 66.46	63.61	C0.61 64.22	C0.99 64.24	63.25	C0.54 63.79	
alley BC 1+12.94 =		C2.15 65.04	62.89	C0.56 63.45	C0.79 63.71	62.52	C2.85 65.37	
0+87.20		2'bk C0.55 61.96	F 61.91	C0.50 62.41	C0.55 62.09	61.54	C2.71 64.25	
0+61.47		2'bk C0.53 61.46	60.94	C0.78 61.72	C0.30 60.86	60.56	C0.55 61.11	
0+35.73 0+37.73		2'back C0.80 60.77	59.97	C1.14 61.11	C0.19 59.77	59.58	F0.53 59.06	
(25.73)								
0+10		C0.78 59.96	59.00	C1.42 60.42	F0.02 58.58	58.60	F0.87 57.73	
COR BC. NECY 0+08 = e6			58.92	C1.43 60.35				

Pave Ticonderoga - Malone To Moultrie

CONT

RT = Sly -

39

Station	LT gUT	Rough grade	Top of grade	curb Stake	Sly edge Stake	grade at Sly edge RT	Rough grade	Finish grade stake
(28.27)								
ARK 0+10 = 6L NELY COR 0+08 = ch BC			70.50	Foot 70.49	C305 73.30	70.25		
P.L. Princeton 0+00 = Ely		C8.60 78.70	70.41	70.42	C221 72.10	69.89	C1.86 71.75	
=								
P.L. Princeton 3+04.89 = Ely		C8.60 78.70	70.10		C221 72.10	69.89	C1.86 71.75	
RT ONLY 2+89.89 =					C092 70.30	69.38	C0.37 69.75	
Princeton RT only 2+74.89 = d					F0.73 68.05	68.78	F0.80 67.98	
RT ONLY 2+59.89					F0.94 67.28	68.22	F1.56 66.66	
Princeton Wly P.L. 2+44.89 =		C0.66 68.66	68.00		F0.97 66.68	67.65	F1.30 66.35	
Princeton Ave BC NWly cor 2+36.89 = 06			67.60	grade 67.60				
2+34.89		C1.67 69.18	67.51	C0.35 67.86	F123 65.97	67.20	F1.16 66.04	

Pave Ticinderoga - Morena To
LT = Nly -

Moultrie cont
RT = Sly.

Station	LT 90T	Rough Grade	Top of Grade	Cont Stake	Sly. edge Stake	grade of sly. edge of pave	Rough grade	Finish grade Stakes
NWLY COR 2+62.16 = BC			82.10	C0 61 82.71				
2+60.16		C0.48 82.48	82.00	C0 64 82.64	C0 35 82.10	81.75	F5.27 76.48	F6.13 75.77
2+50.17 = begin wide Prop RT To 60' ST						81.29	F4.43 76.86	
2+31.89		C4.18 84.88	80.70	C0 18 80.88	F0 43 80.02	80.45	F3.37 77.08	
2+03.62		C8.10 87.50	79.40	Grade 79.40	F0 30 78.85	79.15	F1.52 77.63	
1+75.35		C9.28 87.38	78.10	C0 46 78.56	C2 98 80.83	77.85	C2.08 79.93	
9/16 BC 1+47.08 =		C10.60 87.40	76.80	C0.24 77.04	C5 03 81.58	76.55	C4.50 81.05	
9/16 BC 1+23.08 =		C11.04 46.74	75.70	C0 05 75.75	(4' 6") C6 12 81.60	75.45	C5.96 81.41	
0+94.81		C10.01 84.41	74.40	F0 03 74.38	C4 31 78.46	74.15	C4.98 79.13	
0+66.54		C8.80 81.90	73.10	F0.20 72.90	C3 63 76.48	72.85	C3.10 75.95	
0+38.27		3 1/2" K C9.88 81.68	71.80	F0.46 71.34	C3 48 75.03	71.55	C2.87 74.42	

Pave Ticonderoga - Morena TD

LT = Nly -

Station	LT 90T	Rough Grade	Top of Grade	cum stake	sledge Pave stake
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Moultrie ST Cont

RT = Sly -

grade of sledge of pave	Rough grade	Finish grade stake	s'back edge Grading stake
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Moultrie ST

Ely P.L.

3+30.17 =

C007

85.12

85.05

F4.04

81.01

F4.38

80.82

3+15.17

C015

84.43

84.28

F4.58

79.70

F4.51

79.89

2 Moultrie

2+00.17 =

C017

83.74

83.57

2' back

F5.32

78.25

F5.16

78.54

RT only -

2+85.17

C042

83.31

82.89

1.5' back

F6.95

75.94

F5.75

77.25

Moultrie ST

WLY P.L.

2+70.17 =

omitted

C026

82.46

82.20

Pave Bunker HILL - Paul Jones. To

LT = Nly.

Traction - Dwg 2955 D - W0# 31635 4/2

2-6-56-

RT = Sly.

Station	LT gUT	Rough grade	TopCb grade	curb Stake	LT 1/4	2 grade	RT 1/4	Rough grade	TopCb grade	curb Stake	RT gUT
(30.99')											
alley BC 1+31.97=		C 7.37 103.90	96.53	C0.32 96.85				F1.57 94.46	96.03	F035 Tonly 95.67	
alley BC 1+12.97=		C8.01 104.27	96.26	C0.11 96.37				F1.42 94.34	95.76	C028 Tonly 96.04	
1+10 = EYC			96.21	C2.02 98.23					95.71	C052 96.23	
0+90		C9.30 105.12	95.82	F0.28 95.54				F2.2 93.1	95.32	C0.43 95.75	
0+70		C9.90 104.70	94.80	F0.28 94.52				F2.6 91.7	94.30	C0.11 94.41	
0+50		C9.97 103.42	93.45	F0.33 93.12				3' back F2.66 90.29	92.95	C0.06 93.01	
0+30		C10.27 101.96	91.69	C0.02 91.71				3' back F1.31 89.88	91.19	C0.35 91.54	
BVC B.C. + 0+10 = CB		C-10.53 100.03	89.50	C0.65 90.15				F1.38 87.62	89.00	C.083 89.83	
P.L. P. Jones 0+00 = ELY		C9.82 98.42	88.60					F0.83 86.77	87.60		

Pave Bunker Hill - Paul Jones to
LT = N14.

Trenton Ave
RT = S14.

43

Station	LT 90T	Rough grade	Topcb grade	curb stake	LT 114	± grade	RT 114	Rough grade	Topcb grade	curb stake	RT 90T
+ gutters 2+92.94 =											
ONLY + 90T 2+74.94 =											
± only + 90T 2+56.94 =											
E. ALLEN- WLY P.C. 2+44.94 =	98.10	C486 103.66	98.80					F4.20 93.35	97.55		97.22
Cb B C LT RT 2+36.94 =	97.75		98.25	C022 98.47					97.52	F051	97.02
0417 2+34.94			98.20						97.50		
2+24.94		C5.96 103.82	97.86	C054 98.40				F4.73 92.63	97.36	F060 96.76	
1+93.95		C6.28 103.69	97.41	C0.24 97.65				F6.08 90.83	96.91	C021 97.12	
1+62.96		C7.08 104.05	96.97	C015 97.12				F4.23 92.24	96.47	C062 97.09	

Pave Bunker Hill - Paul Jones

To Trenton cont

75

LT = NLY

RT = SLY -

Station	LT 90T	Rough grade	Topcs grade	Curve Stake	LT 114	± grade	RT 114	Rough grade	Topcs grade	Rough grade	RT 90T
B.C. LT+RT 0+08=cb			128.05	C1.01 129.06						127.52	C057 128.09
Princeton ELY P.L. 0+00=		C6.18 133.78	127.60					F0.20 126.60	126.80		
Princeton = ELY P.L. 3+05.00=		C6.18 133.78	127.60						126.80		
Princeton WLY P.L. 2+45.00=		stack C2.89 128.11	125.22					F2.58 121.82	124.40		
B.C. RT+LT 2+37=cb			124.44	F021 124.23					124.00	F072 123.28	
(2.00) 2+35.00 (34.34)		C2.91 127.16	124.25	F025 124.00				F2.49 121.26	123.75	F060 123.15	

Pave Bunker Hill - Paul Jones
LT = N1/4

To Trenton cont
RT = S1/4

46

Station	LT 90T	Rough grade	Top cb grade	Curb stake	LT 1/4	L grade	RT 1/4	Rough grade	Top cb grade	Curb stake	RT 90T
Mooltrie ob BCKT + KT 2+62.05 =			153.25	F014 153.11					152.70	F099 151.71	
2' 2+60.05 (37.69)		C0.55 153.55	153.00	F012 152.88				F3.46 149.04	152.50	F097 151.53	
2+22.36 (37.67)		C2.25 151.52	149.27	F014 149.13				F2.66 146.11	148.77	F0.35 148.72	
1+84.69 (37.67)		C4.10 149.64	145.54	C0.29 145.83				F1.48 143.56	145.04	C0.30 145.34	
alley BC 1+47.02 = (24)		C3.70 145.51	141.81	C0.17 141.98				F1.10 140.21	141.31	C012 141.43	
alley BC 1+23.02 = (37.68)		C3.73 143.17	139.44	C020 139.64				F1.40 137.54	138.94	Grade 138.94	
0+85.34 (37.67)		^{316ack} C3.22 138.93	135.71	C006 135.77				^{x'} F2.01 133.20	135.21	F046 134.75	
0+47.67 (37.67)		C4.58 136.56	131.98	C0.42 132.40				F0.84 130.64	131.48	C0.34 131.82	
0+10 (37.67)		C7.27 135.52	128.25	C086 129.11				F0.48 127.27	127.75	C063 128.38	

Pave Bunker Hill - Paul Jones ; To Trenton cont

47

station	LT gUT	Rough grade	Top cb grade	Curve stake	LT 1/4	∅ grades	RT 1/4	Rough grade	Top cb grade	Curve stake	RT gUT
0+50		C4.05 170.09	166.04	F031 165.73				C2.68 168.22	165.54	F005 165.49	
0+30		C3.38 165.98	162.60	F0.13 162.47				C2.38 164.48	162.70	F020 161.90	
0+10 = BVC		C4.25 163.25	159.00	C0.37 159.37				C1.76 160.26	158.50	C001 158.51	
LT+RT 0+08 = cb BC			158.60	C038 158.98					158.10	C019 158.29	
P.L. Moultrie 0+00 = ELY		C4.50 162.00	157.50					C1.87 158.72	156.85		
=											
P.L. Moultrie 3+30.05 = ELY		C4.50 162.00	157.50					C1.87 158.72	156.85		
Moultrie w/ P.L. 2+70.05 =		C0.96 154.86	153.90					F3.13 150.17	153.30		

Pave Bunker Hill - Paul Jones To
LT=NLK

Tronton - cont

#8

Rt = Sly-

Station	LT gUT	Rough grade	Top cb grade	curb stake	± grade	Rough grade	Top cb grade	curb stake	RT gUT
2+20		C4.50 187.00	182.50	C056 183.06		F1.26 180.74	182.00	C028 182.28	
E.V.C. 1+90		C4.50 185.50	181.00	F009 180.91		F1.25 179.25	180.50	C005 180.55	
1+70		C3.06 182.90	179.84	F014 179.70		F1.24 178.10	179.34	Grade 179.34	
1+50			178.35	C0.32 178.67			177.85	C017 178.02	
alley bc 1+47.42		C1.52 179.60	178.08	C020 178.28		F0.40 177.18	177.58	C035 177.93	
in alley 1+30									
alley bc 1+23.02		C4.22 180.01	175.79	C037 176.16		C0.69 175.98	175.29	C027 ^{1/2} 175.56	
1+10		C3.81 178.21	174.40	C014 174.54		C1.04 174.94	173.90	F006 173.84	
0+90		C3.86 175.80	171.94	F010 171.84		C1.74 173.18	171.44	F008 171.36	
0+70		C3.93 173.08	169.15	F016 168.99		C2.48 171.13	168.65	F002 168.63	

Pave Bunker Hill - Paul Jones

LT = Nly -

Station	LT 9UT	Rough grade	Topcb grade	Curb stake
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To Trenton - CRUT

49

Rt = Sly -

grade	Rough grade	Topcb grade	Curb stake	RT 9UT
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only.
2+98.04 Sly

185.05 F286
82.19 184.55

only -
2+82.51y

184.75 F133
83.72 184.25

Trenton.
WLY P.L.
2+70.00 =

C5.55
190.95 185.40

F3.73,
180.65 184.38 F076
183.62

Cor Trenton
BC NWLY
2+62.00 = Cb

184.62 C001
184.63

2+60

184.50 F010
184.40

184.00 F047
183.53

2+50

C6.65
190.65 184.00 C006
184.06

F2.65
180.95 183.50 F074
182.76

Stakes for 8" water line (A.C.) in Ticonderoga
Trenton Thence in Trenton from

Blue = Laterals
ST - From Morana Blvd To

pwg 2959-D-3-6-52-C. Allen -
Station I.E. Water Line Stake CUT

Ticonderoga To Brandywine
Station I.E. Water Stake CUT

E. Allen
1+27.31 = V.L. P.L. 52.7 58.66 C596

3+70.69 61.51 65.67 C416

1+17.31 52.2 58.40 C620

3+44.96 60.53 65.02 C449

1+07.31 51.5 58.12 C662

3+19.23 59.55 64.08 C453

~~1+15.31 (W) LT 58.67~~
T.C.

See Below
3+38 = (W) LT 63.94 = E.P. 65.08
~~64.94 - T.C.~~ C114

0+77.31 = (W) LT 53.08
T.C.

3+22 = (W) LT 64.31 = T.C. 64.96 C065

1+17.31 (W) LT 56.50 59.11 C261

3+00.23 58.83 62.97 C414

0+47.31 46.5 54.92 C842

2+74.50 57.84 62.00 C416

0+27.31 45.20 53.68 C848

2+48.77 56.86 61.24 C438

0+17.31 44.8 52.95 C815

~~2+29.21 (W) LT 60.06~~
T.C. serviced from E. Allen

New Parc
0+08 1/2" edge 44.3

2+23.04 55.88 60.46 C458

0-10.20th
ELY P.L. Morana
0+00 = 30° Bend

1+97.31 54.90 59.94 C504

Niy P. Jones
0-38 = 'T' C.A.C.T. 43.20 50.80 C760

P.L. E. Allen
1+87 3/4 = ELY 54.50

0-48 = 'T' Morana Blvd + Ticonderoga

E. Allen
1+67.31 = 'T' 54.0 59.35 C535

8" Water Line in Ticonderoga +

Station	IE Water	Stake	Cut
6+39.39	72.85	76.96	C411
6+15.39	71.75	75.76	C401
6+12.31 (W) RT	75.31	77.6	C185
5+87.12	70.45	74.10	C365
5+58.85	69.15	72.52	C337
5+30.58	67.85	71.15	C330
P.L. Princeton 4+92.31 = ELY	66.28	69.76	C348
Princeton Ave 4+72.31 = (T)	65.48	69.00	C352
P.L. Princeton 4+32.31 = WLY	63.95		
4+22.15	63.81	67.01	C320
3+96.42	62.49	66.26	C377

Trenton Cont -

G.B = Grade Break
COW = CUT OFF WALL

Station	IE Water	Stake	Cut
9+35.31 - C.O.W. (33')	94.83	99.06	C423
9+02.31 - C.O.W. (20')	86.47	92.97	C650
8+82.31 (40')	81.4	89.91	C851
8+42.31 - G.B. (40')	77.2	86.48	C928
Moultrie ST 8+02.31 = 'T' in	73.0	84.30	C1130
7+67.31 = RT			
P.L. Moultrie 7+62.31 = WLY	73.8	82.55	C875
(7+55 W) RT	81.88	75.90	F044
7+50 = (W) RT			
7+22.31	74.6	80.62	C602
7+02.31 (W) LT	79.70	79.79	C009
6+82.31	75.4	79.85	C345
6+67.66	74.15	78.02	C387

(W) RT 82.43 EP
(W) 81.88
81.65 =

2% grade

744
wall

C442 cut

Water Line in Ticonderoga + Trenton
 G.B. = grade Break C.O.W. =

C.O.W.
 Cutoff Wall

Station	IE Pipe	Stake	WLY CUT	CUT ELY
12+33.31-C.O.W.	116.0	120.37		ELY C437
30'				
12+03.31-C.O.W.	125.0	128.13		ELY C313
30'				
11+73.31	131.0	135.81		ELY C481
30'				
11+43.31	137.0	140.90	SH - C390	ELY C390
33'			all staked 5/10 of line	
Trenton				
11+10.31 = 90° L	135.8	139.94		ELY C414
6'				
11+04.31-C.O.W.	134.47	137.21	SH C274	
30'				
10+74.31-C.O.W.	127.8	131.02	SH C322	
36'				
10+38.31 C.O.W.	119.80	123.32	SH - C302	
36'				
10+02.31-C.O.W.	111.8	114.24	SH - C244	
34'				
C.O.W.				
9+68.31	103.19	107.12		ELY C392
33'				

Station	IE Pipe WLY	Stake	CUT	WLY
15+03.31-COW	117.0	123.35	C635	WLY
30'				
14+73.31-COW	108.8	111.15	C235	WLY
30'				
14+43.31-C.O.W.	100.6	102.18	C158	WLY
40'				
14+03.31-COW	91.53	95.65	C412?	WLY
'20'				
13+83.31	87.0	91.67	C467?	ELY C447
33.5'				
13+49.81	86.0	89.65	C3	ELY C365
33.5'				
13+16.31	85.0	91.26		ELY C626?
13'				
13+03.31-C.O.W.	91.0	95.57		ELY C457
20'				
12+83.31-C.O.W.	99.0	102.25		ELY C325
20'				
12+63.31-C.O.W.	107.0	110.13		ELY C313
30'				

Station	IE Pipe	Stake	CUT
---------	------------	-------	-----

For Continuation of Water Nly
See Page 76-

HILL			
4 Bunker			
17+53.31 =	181.6		

30

Bunker Hill			
547 P.L.			
17+23.31	175.68	181.08	^{on wly} C5 ⁴⁰ C45 ² on Ely

50'

16+73.31	165.84	170.21	^{wly} C4 ³⁷ wly
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50'

C.O.W.			
16+23.31	156.00	158.99	^{wly} C2 ⁹⁹

34'

COW			
15+89.31	147.50	151.25	^{wly} C3 ⁷⁵

33

COW			
15+56.31	139.25	142.17	^{wly} C2 ⁹²

33

C.O.W.			
15+23.31	131.0	131.06	C00 ⁶

20'

Water Line in Paul Jones - T at

Blue Figures = Water Lat. grades
are Top Ch.

Mokona Blvd To Brandywine 54

Station	IE Pipe	Stake	Out	Curve Stationing
3+19 = (W) RT	52.25	52.36	C011	0+4262
3+09.71	48.0	52.30	C430	0+3262
(32.62)				
Paul Jones Begin ELY ch = 0+00				
2+77.09 - 90° To	48.00			0+00
Line changed to here -				
Jones Ave				
bend into Paul	47.50	50.86	C336	
2+74.80 = 30°	48.00	50.76	C270	
2+57.6 = 30° bend				
2+60	46.69			
2+50	47.55	51.18	C458	
1+50	45.75	50.62	C487	
2+45				
2+00	46.68	50.58	C390	
1+00	44.90	49.35	C445	
1+55				
1+50	45.81	49.92	C411	
0+50	44.05	49.69	C564	
1+05				
1+00	44.94	49.17	C423	
Mokona + T. Condrage				
0+00 ELY T ONLY	43.20			
0+55				
0+50	44.07	49.59	C552	
Mokona + T. Only				
1+30				
1+7092 0+00 = T at	43.20			
+ Triconderoga				
0+00 = 'T' Mokona	43.20	50.49	C729	assumed before digging

Station	IE Pipe	Stake	Out	Curve Stationing
(W) LT + RT	LT = 64.47	65.17	C070	
5+79.71	RT = 64.97	64.16	F081	
5+09.71	59.8	62.67	C287	2+3262
4+89.71	57.6	60.39	C279	2+1262
(W) RT				
4+69.71 =	59.82	59.43	F039	
4+69.71	55.9	59.09	C319	1+9262
4+29.71	53.0	56.30	C330	1+5262
(W) RT				
4+19.71	56.27	56.17	F010	
4+09.71	51.7	55.08	C338	1+3262
3+84.62	54.26	54.13	F013	
3+89.71	50.4	54.18	C378	1+1262
(W) RT 15' A				
3+69.67 ?	53.58	53.73	C015	
3+69.71	49.5	53.63	C413	0+9262
3+49.71	48.7	53.05	C435	0+7262
(20)				
3+29.71	48.2	52.53	C433	0+5262

6" A.C. Water Line in Paul Jones

Blue = Water Laterals. Top Curve Gr.

Marena To Brandy wine cont

Station	IE Pipe	Stake	CUT	Curve Stationing	Station	IE Pipe	Stake	CUT	Cut is To 3' below Top cb
Bunker Hill 6+79.71 = E	83.7	89.90	C620		RT 1+05 old W				
in Bunker Hill 8" Line Towly IN Bunker Hill 6+69.71 = RT	83.1	87.50 89.87	C440 C5.77		0+90	95.9	100.14	C424	
Bunker Hill 6+49.71 = Sly P.L.	82.3	84.71	C241		0+75 = (W) RT LT+RT LT = 96.65 → 97.86 0+70 (W) RT MOVED 5' Nly	97.44	98.62	C418	
Fire Hyd RT = 84.51	83.48	Top cb F103			0+70	94.4	98.58	C415	
6+39.71 =					W-RT 0+45 = old	93.85			
6+28.71 W RT LT =	82.66 80.65	81.95 81.00	F021 C035		0+45	89.9	96.29	C639	
(W) RT = 6+19.71 RT =	Moved 81.15	80.35	F080		W RT 0+20	90.40	94.06	C666	
5+94.71	72.6	75.97	C337	3+1762	0+20	86.5	94.14	C864	
(W) LT+RT 5+69.71 RT =	LT = 72.26 RT = 72.76	72.84 71.70	C058 F106		0+10 (W) LT	88.50	91.78	C628	
5+49.71	65.5	68.26	C276	2+7262	0+00 To Nly = Bunker Hill	84.6	93.29	C869	
5+29.71	62.4	65.23	C283	2+5252	7+09.71 = Nly P.L.				

Water main Paul Jones - Morana BNC
 Blue = New water service
 IE Top ch grade

Station	IE Pipe	Stake	CUT
2+20 (W) RT	106.00		
LT+RT RT 2+05 = (W) LT =	105.93 105.19	106.80	C387
2+00 as built			
1+90	101.9	106.40	C450
1+70 = (W) RT	104.79	106.57	C478
1+70	101.6	106.44	C484
RT 1+55 old W			
1+50	100.8	105.43	C463
1+30	99.6	104.12	C452
LT+RT LT = 1+20 = W RT =	102.02 102.78	101.99 103.35	C2.97 C3.57
1+10	98.0	101.90	C3.90

To Brandywine -
 Red = old water service

52

Station	IE Pipe	Stake	CUT
RT = 3+64 (as built)			
(W) LT+RT LT = 3+70 RT =	106.09 106.47	104.70 already built	C161
3+70 (BVC)	102.7	105.64	C294
3+34	102.5	105.83	C333
(W) LT+RT LT = 3+20 RT =	105.82 106.45	105.22 106.30	C270 C285
2+98	102.4	106.20	C380
2+70 W RT	106.22	106.85	C363
2+62	102.2	106.72	C452
2+60 (W) LT 2+55 (W) RT	105.5 105.47	105.63	C313
(W) RT 2+30 old			
2+26	102.0	106.50 106.50	C450

cut are
to 3' below
curb.

Station	IE Pipe	Stake	CUT
4+95 (W) RT	111.20	112.15	C3 95
4+90	107.3	111.74	C4.44
4+70	106.1	109.93	C-3.83
4+50	105.2	108.15	C2.95
as limit 4+52 on LT			
(W) LT+RT LT	108.72		
4+45 RT	108.63	107.75	C2 1/2 RT
(W) LT in 4+30 3/24/51	107.45		
4+30	104.0	106.64	C2 64
4+10	103.6	105.83	C2 23
3+90	103.0	105.64	C2 64

Station	IE Pipe	Stake	CUT
see page 58			
8" Line Nly.			
6" Line sly			
Brandywine			
6+00 ²⁶ = 'T' in	113.0	119.90	C6 90
Brandywine			
5+80 ²⁶ sly PL.	112.0	119.00	C6 00
5+70 ^{RT} FH.	118.51		
5+70	113.0	118.50	C5 50
5+45 (W) RT	116.12	116.55	C3 43
5+30	110.8	115.42	C4 62
5+10	109.0	113.65	C4 65
5+05 (W) LT	111.99		C3 66

8" Water Mains in Brandywine ST -
going Ely to Trenton Ave

Station	IE Pipe	Stake	CUT
Brandywine E. Allen + 2+84.91 = 'T'	137.0	139.44	C244
2+50	134.3	136.13	C-1.83
2+100	130.3	132.57	C-2.27
	134.17	131.43	F274
1+50	126.4	130.37	C397
1+00	122.5	127.83	C533
0+90 = (W) RT	126.69 = Top ch sly		F041 TC
0+50	118.5	124.66	C616
0+21.5 = (W) LT	122.32 = Top curb		C-140
P. Jones 0+00 = Ely Rt.	114.6	121.18	C446
Brandywine P. Jones +	113.0	119.80	
0-20 = 'T' at			

Beginning at 'T' in Paul Jones +

58

Station	IE Pipe	CUT
Princeton 5+79.91 =	173.7	176.07 C237
5+64.91	172.6	174.64 C2.04
P.L. Princeton 5+49.91 = Wly	171.5 171.9	172.90 C1.00
Grade mark 5+39.91	170.8	171.65 C0.85
4+94.91	164.3	166.14 C1.84
4+83 = (W) RT	166.28	162.98 F3.30
4+49.91	157.8	160.24 C2.44
4+04.91	151.3	153.68 C2.38
3+59.91	144.8	147.66 C2.86
5' part of 45'		
3+14.91	138.3	142.06 C4.26
P.L. E. Allen 3+04.91 = Ely	137.2	141.48 C4.28

Water main in Brandywine cont

Station	IE Pipe	stake	cut
Moultrie 7+49.91 =			
Wly P.L. Moultrie 8+79.91 =	198.0	200.76	C276
Grade mark 8+69.91 =	197.3	200.02	C272
8+19.91	193.0	196.21	C321
7+69.91	188.7	191.68	C298
7+19.91	184.4	186.96	C256
7+09 = \odot RT	187.15 = T.C. 84.18		F227
6+69.91	180.1	183.36	C326
5 PARTS OF 50' Brk			
6+19.91 = Grade	175.8	179.63	C388
Princeton			
6+09.91 = Ely P.L.	174.9	179.83	C393
Princeton.			
5+89.91 = 'T' in	174.2	177.03	C283

Water Main in Brandywine cont 59

Station	IE Pipe	stake	cut
end Line in Trenton			
12+27.91 = 'T'	226.9	229.51	C2.61
Grade mark 11+99.91 =	225.3	227.78	C2.48
11+49.91	220.8	224.27	C3.47
10+99.91	216.1	219.53	C3.43
10+49.91	211.4	214.15	C275
\odot RT 10+18.91 = (11+20)	212.07	210.08	F199
9+99.91	206.7	209.25	C255
9+73 \odot RT break	207.89	205.95	F194
9+49.91 = Grade	202.0	205.28	C328
P.L. Moultrie			
9+39.91 = Ely	201.2	204.66	C346
Moultrie			
9+19.91 = 'T'	200.2	203.43	C-3.23

6 "AC. Main From T in Brandywine
+ Paul Jones To Wly -

60

Station	IF Pipe	Stake	cut
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1+00	110.0	C4.14 114.14	
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0+98 = (W) sig.

0+66.67	111.0	C5.54 116.54	
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0+33.3	112.0	C6.86 118.86	
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+ Brandy wine

0+00 = T P. Jones	113.0	C6.80 119.80	
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6" A.C. Water Main in Ethan

Blue = water lateral - Grades = T.C.

Station	IE Pipe	Lateral Stake	Changed Top of COT House
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1+00	62.22	65.58	C336
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0+80	60.83	64.31	C340
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LT+RT 0+70 = (W) RT	LT = 63.25	63.87	C063
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	64.05	64.12	C007
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0+60	59.38	62.93	C355
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0+40	57.85	61.47	C362
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0+37 = (W) RT	61.60	61.80	C020
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0+10 = FH RT	59.46	60.82	C106 Triopcb
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0+10 =	55.25	59.97	C472
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Ticonderoga 0+00 = NLY P.L.	58.24	59.78	C454
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E. Allen. Ticonderoga +			
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0-13 = (T) in	54.0	59.62	C563
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Allen-Ticonderoga To Bunker Hill 61

Dwgs 2959D + 2947-D - VVO # 31635

Station	IE Pipe	Stake	CUT
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3+20	76.45	79.79	C334
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3+00	75.07	78.44	C337
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2+80	73.75	77.31	C356
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2+55 RT	76.10	75.72	F038
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2+65 = (W) LT	75.94	76.83	C089
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2+48 = (W) RT	75.66	75.32 F034	
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2+40	71.20	74.80	C360
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2+05 = (W) LT	72.11	73.11	C100
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2+55 RT	76.10		
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2+00	68.64	71.96	C332
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LT =	69.87	70.64	C077
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LT+RT 1+70 = (W) RT	70.67	70.44	F023
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1+60	66.09	69.50	C341
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LT =	66.68	67.10	C042
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LT+RT 1+20 = (W) RT	67.48	67.35	F013
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1+20	63.53	66.79	C326
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6" A.C. Water Line in Ethon Allen
Cont.

Station	IE Pipe	Stake	CUT
0+10 @ LT	100.70		
0+10	97.5	101.44	C394
NLY P.L. B. HILL			
0+00 ahead =			
6+60' Back	96.1	100.42	C432
6+30' = B. Hill	94.4	98.51	C415
Bunker Hill			
6+00' = SLY PL.	94.1	97.70	C360
5+50' = F.H. RT	97.80	97.90	C010
5+90'	93.82	97.13	C331
LT =	96.22	95.95	F027
LT+RT 5+70' @ W	RT = 97.02	96.45	F057

6" a.c. Water Main in Ethon Allen
B. Hill To Brandywine.
DWS #5960-D

63

Station	IE Pipe	Stake	CUT
1+60'	118.1	121.20	C310
1+55' @ RT	121.43	120.45	F098
1+40'	115.5	119.18	C368
1+07' 62	111.0	114.72	C372
1+20' W LT	115.91	116.66	C075
1+05' @ LT	113.82		
0+75' 08	106.5	110.04	C354
0+70' W LT	109.78	110.05	C027
0+68' @ RT	109.09	108.85	F024
0+45' @ LT	105.28	106.64	C136
0+42'	102.0	105.66	C366
0+20' @ RT	102.88	102.38	F050

Station	I.E. Pipe	Stake	Cut
2+86 ⁸²	128.8	132.24	C3 ⁴⁴
^{See below} 2+80 (W) LT	131.47		
2+55 W-LT	129.65	130.51	C0 ⁸⁶
2+53 ⁴⁹	126.4	130.05	C3 ⁶⁵
2+45 (W) RT	129.72	129.24	F0.48
2+20 ¹⁶	124.0	127.33	C3 ³³
2+24 W-RT	128.20	127.53	F0 ⁶⁷
2+15 (W) LT	126.70	127.13	C0 ⁴³
2+00 ¹⁶	122.3	125.50	C3 ²⁰
^{see 2+24-1} 1+90 (W) RT	125.31		
1+80 ¹⁶	120.4	123.38	C3 ⁰⁰
1+70 (W) LT	122.41	122.57	C0 ¹⁶

Station	I.E. Pipe	Stake	Cut
4+20 ¹⁶ (W) LT	138.55	138.78	C0 ²³
4+20 ¹⁶	135.4	138.94	C3 ⁵⁴
4+00 ¹⁶	135.1	138.34	C3 ²⁴
3+93 (W) RT	138.81	138.24	F0.57
3+80 ¹⁶	134.5	137.66	C3 ¹⁶
3+70 (W) RT	138.00	137.42	F0 ⁵⁸
3+60 ¹⁶	133.6	136.93	C3 ³³
3+55 (W) LT	136.51	137.04	C0 ⁵³
3+40 ¹⁶	132.5	135.9	C3 ⁴⁰
3+20 ¹⁶	131.2	134.81	C3 ⁶¹
3+15 (W) RT	134.81	134.30	F0 ⁵¹

Station	IE Pipe	Stake	Cut
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~~5+40¹⁶ @ LT 138.54~~ serviced from Brandy

5+40 ¹⁶	135.4	138.81	C34 ¹
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5+20 ¹⁶	135.6	139.17	C35 ⁷
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5+00 ¹⁶	135.6	139.53	C39 ³
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4+93 @ RT	139.74	139.92	C018
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4+80 ¹⁶	135.8	139.85	C400 ⁵
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4+70 @ LT	138.95		
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4+51 W LT	138.84	139.21	C037
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4+60 ¹⁶	135.8	139.76	C396
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4+42 ⁵ @ RT	139.58	139.56	F002
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4+40 ¹⁶	135.6	139.49	C389
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Station	IE Pipe	Stake	Cut
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58.
See page
Brandywine

6+00 ¹⁶ = 'T' in	137.0	139.76	C276
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P.L. Brandywine

5+80 ¹⁶ = 'S' in	135.4	139.05	C365
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F.H. RT

5+70 ¹⁶	139.16	142.50	C334
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5+70 ¹⁶	135.1	138.74	C364
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5+60 ¹⁶	135.2	138.64	C344
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5+43 @ RT	139.30	139.14	F016
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8" A.C. Water line from Connection
To Main at Morena + Bunker Hill Ely To
'T' at Bunker Hill and Paul Jones

Station Waterline Stake CUT

(Station 6+69²¹)
See Page 55
B. Hill + Paul Jones
2+46' = 'T' in
83.1 87.84 C474

Paul Jones
2+16 = Wly cb line 82.07 84.76 C269

Paul Jones
2+06' = Wly P.L. 81.87 84.03 C216

1+66⁵ 74.65 74.96 C031

1+27⁰ 67.44 69.89 C245

0+87⁵ 60.23 63.71 C348

Morena Blvd.
0+48 = Ely P.L. 53.02 59.31 C629

Bunker Hill
Main at Morena +
0+00 = Connection To 53.02 existing pipe

6" Water Line in Princeton -
Blue = Laterals = Top ch grade

Ticonderoga TO Bunk Hill

67

Station	I.F. Pipe	Stake	CUT
1+05	75.35	79.11	C376
0+77	72.66	76.54	C388
0+87	77.00	77.69	C069
0+70 = (W) LT	75.39		
0+75.4	74.39	74.74	C035
0+68 = (W) RT	75.70		
0+48.5	69.97	73.65	C368
0+14	70.59	71.97	C138 50° Lt on Nly
0+20 = (W) RT	71.16	70.25	F034 50° Rt on Sly
0+20	67.28	71.10	C382
0+10 = FH RT	70.40	73.37	C297 } staked 2' in ELY & FH on Red. Line
Princeton 0+00 = Nly p.l.	65.70	69.86	C416
Princeton Ticonderoga + 0-13 = 'T' at	65.48	69.23	C375

Station	I.F. Pipe	Stake	CUT
2+20 (W) LT	89.56	90.47	C091
2+19.5	86.11	89.99	C388
2+43	92.23	91.23	F030
2+18 (W) RT	89.87		
1+91	83.43	86.83	C340
1+70 (W) LT	84.83	85.67	C084
1+91	87.32	86.45	F087
1+68 = (W) RT	85.15		
1+62.5	80.74	84.03	C329
1+34	78.05	81.32	C327
1+20	80.61	80.52	F009
1+25 = (W) RT	81.08		
1+20 (W) LT	80.11	80.23	C062

6" water main in Princeton

Blue = water laterals grade =

Station	IF Pipe	Stake	cut
3+76	104.81	0463	F018
3+68 = (W) RT	104.05	0	
3+62	99.59	103.42	C383
3+33 ⁵	96.90	100.79	C389
3+20 (W) LT	99.01	99.88	C087
3+42	101.58	0146	F012
3+18 (W) RT	99.32		
3+05	94.20	98.13	C393
2+84	95.60	96.38	C078
2+80 (W) LT	95.23		
2+76 ⁵	91.51	95.30	C379
2+62	94.02	93.52	F050
2+68 = (W) RT	94.59		
2+48	88.81	92.30	C349

Ticonderoga To Bonker Hill

68

Top Ch

Station	IF Pipe	Stake	cut
5+04 ⁵	113.05	117.20	C415
4+76	110.36	114.27	C391
4+70 (W) LT	113.19	1390	C071
4+68 = (W) RT	113.50	1304	F046
4+47	107.67	111.55	C388
4+03	106.85	794	C109
4+20 = (W) LT	108.46		
4+32	110.09	0969	F040
4+20 = (W) RT	108.96		
4+190	104.98	109.05	C407
3+90 ⁵	102.28	106.13	C385
3+85	105.16	0635	C119
3+70 (W) LT	103.74		

6" Main In Princeton-Ticonderoga To
Bunker Hill

See page 78

Station	IE Pipe	Stake	CUT
Line to ELY 6+54.78 = 6"	122.7		
BUNKER HILL 6+29.78 = 2	122.67	126.49	C382
Bunker Hill			
5+99.78 = Sly P.L.	121.70		
5+89.78	121.10	124.20	C310
5+89.78 = FHRT	125.00	126.21	C121 T.C.
5+79.78	120.17		
5+70.00 LT	122.64	2264	Grade
5+75	123.61		
5+65.00 RT	122.66	2261	F100
5+61.5	118.43	21.72	C3.29
5+33	115.74	120.03	C429
5+20.00 LT	117.91	1832	C041
5+18.00 RT	118.22	1791	F031

6" WATER MAIN 15 Princeton
Bunker Hill To Brandywine 69

Station	IE Pipe	Stake	CUT
1+28	139.96	3913	F083
1+43 (w) RT	141.46		
1+40	137.24	140.58	C334
	136.52	3620	C038
1+01 + LT =	138.47		
1+20 (w) RT =	139.15	3809	F106
1+20	135.23	138.45	C322
1+00	133.13	136.42	C329
0+65 (w) LT	132.76	3330	C054
0+60	128.84	132.36	C352
0+48 (w) RT	131.42	3081	F061
0+36 (w) LT NEW COND.	129.78	3008	C030
0+20	124.47	129.50	C403
NLY P.L. B. HILL =			
ONLY 0+00 Ahead	122.70	126.94	C424
=			
6+59.78 Back			

6" Water Main Princeton - Tinsler
 Blue = Laterals = Top ch grade

099 To Brandywine Cont.

70

Station	IF Pipe	Stake	CUT	Station	IF Pipe	Stake	CUT
2+90	150.20	153.30	C3 ¹⁰	4+30	161.66	165.41	C3 ⁷⁵
2+55	147.33	150.63	C3 ³⁰	3+95 = (W) LT	162.07	62 ⁵⁵	C0 ⁴⁸
2+43 = (W) RT	150.29	49 ⁴⁹	F0 ⁸⁰	3+95	158.79	162.00	C3 ²¹
2+20 = (W) LT	147.65	47 ⁷⁸	C0 ¹³	3+93 = (W) RT	162.55	61 ³⁸	F-1 ¹⁷
2+20 = EVC	144.47	47.95	C3 ⁴⁸	3+63 = (W) RT	160.10	58 ⁹³	F-1 ¹⁷
2+00	142.80	146.56	C3 ⁷⁰	3+60	155.94	159.05	C3 ¹¹
1+93 = (W) RT	145.34	45 ⁴⁹	C0 ¹⁵	3+55 = (W) LT	158.78	58 ⁹⁸	C0 ²⁰
1+80	141.16	144.53	C3 ³⁷	3+25	153.07	156.22	C3 ¹⁵
1+70 = (W) LT	143.28	43 ⁵⁹	C0 ³¹	2+95 = (W) LT	153.83	54 ⁰³	C0 ²⁰
1+60	139.17	142.70	C3 ⁵³	2+93 = (W) RT	154.38	53 ⁵⁰	F0 ⁸⁸

6" Water in Princeton Cant
Blue = Lat-rails = Top cb grade

Station	IF Pipe	Stake	CUT
Winet Princeton 6+00 = 'T' Brandy	174.2	178.38	C418
Brandywine 5+80 = Sly PL	173.57	177.24	C367
5+70	173.03	176.62	C359
5+70 = FHRT	177.02	178.42	C140 Top cb.
5+60	172.31	175.91	C360
5+35	170.25	174.12	C387
5+00	167.40	171.16	C376
LT =	170.30	70.77	F047
+ 4+95 = W RT =	170.89	70.44	F045
4+65	164.53	168.40	C387
4+45 (W) LT	166.18	66.62	C044

8" Water Main in 1400 ft
Ticonderoga To Brandywine
See DWG # 2959 D + 2960 D-

Station	IF Pipe	Stake	CUT
1+40	104.96	108.66	C370
1+20	101.71	105.61	C399
1+20 = W RT	105.83	105.52	F031
1+11 W LT	103.49		
1+17 = W LT	104.52	104.68	C119
1+00	98.28	101.57	C329
0+70 (W) RT	97.10	95.60	F150
0+55	90.32	93.00	C268
0+25 = FHRT	89.15	88.38	F077 Top cb
Ticonderoga 0+00 = Nly PL	75.30	85.51	C1021
Ticonderoga ST 0-13 = LT in	73.0	84.61	C1161

8" water line in Moultrie
 Blue = laterals = Top of grade

CONT

72

Station	IE Pipe	Stake	CUT
2+50	119.53	122.64	C3 ¹¹
2+28 W LT	120.24		
2+25 W LT	120.69	120.35	F0.34
2+20	115.98	119.28	C3 ³⁰
2+20 W RT	120.110	119.43	F0 ⁶⁷
2+00	113.51	116.80	C3 ²⁹
2+00 W LT	116.83	117.27	C0 ⁴⁴
1+95 W LT	116.17	117.07	
1+80	110.86	114.41	C3 ⁵⁵
1+70 W RT	113.55	113.15	F0 ⁴⁰ (4454) don't agree
1+62 W LT	111.67	112.36	C0 ⁶⁹
1+60	108.00	111.67	C3 ⁶⁷ C3 ⁹¹

Station	IE Pipe	Stake	CUT
3+80	133.35	136.72	C3 ³⁷
3+62 W LT	135.09	135.75	C0 ⁶⁶
3+60	121.55	134.89	C3 ³⁴
3+40	129.62	132.83	C3 ²¹
3+20	127.56	130.79	C3 ²³
3+20 W RT	131.68	131.04	F0 ⁶⁰
3+00	125.39	128.50	C3 ¹¹
3+00 W LT	128.71	129.00	C0 ²⁹
2+95 W LT	128.13		
2+80	123.08	126.13	C3 ⁰⁵
2+70 W RT	126.02	125.13	F0 ⁸⁹

8" Water in Moultrie cont
 Blue = Lateral = Top ch grade

Station	IE Pipe	Stake	CUT	Station	IE Pipe	Stake	CUT
5+20 W LT	148.06	148.61	C055	0 too ahead 6+5975 Back	152.23	156.19	C396
5+13.85	144.27	147.94	C367	Bunker Hill 6+2975 = L	152.23	155.20	C297
-5+12.5 W RT	148.25	148.01	F024	Bunker Hill SLY P.L. 5+9975 =	151.41	154.36	C295
4+75.90	141.19	144.81	C362	5+8975	150.47	153.64	C317
4+70 W LT	144.01	145.13	C112	RT 5+8975 = FH	154.50	157.68	C318 Top 6
4+37.95	138.12	141.80	C368	5+7975	149.62	152.85	C323
4+20 W LT	139.97	140.75	C078	(44542 - pink slip) 4+13 W RT	152.10	152.05	F005
(44542 - pink slip) 4+13 W RT	140.20			5+75 W RT	153.31		
4+15 W RT	140.36	139.78	F042	5+70 W RT	152.90	152.97	F034
4+00	135.03	138.42	C339	5+51.80	147.35	150.83	C348

8" Water Line in Mooltrie -

Bunker Hill To Brandywine - Cont 74

Station	IE Pipe	Stake	CUT
1+26 W RT	167.63	167.90	C027
1+20	163.73	167.42	C369
1+13 W LT	166.35	166.80	C045
1+00	161.73	165.40	C367
0+93 W RT	165.12	164.60	F052
0+68 W LT	161.73	162.46	C073
0+60	159.57	161.05	C248
0+40-	155.49	159.09	C360
0+43 W RT	159.93	159.57	F036
0+20	153.42	57.38	C396
0+10	152.60	56.76	C416
0+10 W LT	155.70	156.46	C076

Station	IE Pipe	Stake	CUT
2+60	174.74	179.52	C482
2+43 W RT	178.46	178.17	F029
2+20	172.45	176.48	C403
2+18 W LT	175.61	176.16	C055
1+93 W RT	174.36	174.01	F035
1+80	169.17	172.98	C381
1+68 W LT	171.42	172.01	C059
1+60	167.46	171.13	C367
see 1+26			
1+43 W RT	170.05		
1+40	165.66		

8" Water Moultrie Cont

Station	IE Pipe	Stake	CUT
4+18 W LT	191.89	191.86	F0 ⁰³
4+00	187.19	191.00	C3 ⁸¹
3+93 W RT	190.75	190.52	F0 ⁴⁸
3+80	185.59	189.54	C3 ⁹⁵
3+68 W LT	187.92	188.23	C0 ³¹
3+43 W RT	186.67	186.56	F0 ¹¹
3+40	182.31	186.25	C3 ⁹⁴
3+18 W LT	183.82	184.40	C0 ⁵⁸
3+00	179.02	182.72	C3 ⁷⁰
2+93 W RT	182.57	182.02	F0 ⁵⁵
2+68 W LT	179.71	180.43	C0 ⁷²

8" Water Moultrie Cont

75

Station	IE Pipe	Stake	CUT
5+60 ⁰⁰	198.37	201.57	C3 ²⁰
5+26 ⁶⁶	196.10	199.29	C3 ¹⁹
5+20 W RT	199.67		This house serviced from Brandywine
5+18 W LT	198.74	198.83	C0 ⁰⁹
4+93 ³³	193.82	197.21	C3 ³⁹
4+88 W LT	196.67	96.44	F0.23
4+60	191.55	95.05	C3 ⁵⁰
4+45 W RT	194.64	194.16	F0.48
4+40	190.18	93.69	C3 ⁵¹
4+20	188.72	92.37	C3 ⁶⁵

8" Water Moultrie cont

Station	IF Pipe	Stake	CUT
Brandywine			
Moultrie +	200.2	204.45	C4 ²⁵
6+00 = 'T' in			
Brandywine			
5+80 = SLY P.L.	199.46	203.20	C3 ⁷⁴
RT			
5+70 = FH	203.00	203.11	C0 ¹¹ Top cb-

6" Water Main in Trenton
Bunker Hill To Brandywine
Blue = Lateral = Top cb grade

74

Station	IF Pipe	Stake	CUT
1+07 ^E	193.59	196.89	C3 ³⁰
0+85 W LT	195.25	194.93	F0 ³²
0+75	190.23	193.39	C3 ¹⁶
0+45-⊙ LT	191.12	191.31	C0 ¹⁹ T.C.
0+42 ^E	186.87	190.13	C3 ²⁶
0+10 = FH LT	187.51	190.75	C3 ²⁴ Top cb
0+10	183.51	186.96	C3 ⁴⁵
NLY P.L. B. Hill			
=			
0+00 to NLY	182.55	186.17	C3 ⁶²
=			
17+83 ³¹ Back			
See page 53 Bunker Hill			
17+53 ³¹ = X	181.6	184.20	ON KITH SMH C2 ⁶⁰ From

6" Water in Trenton - B. Hill to Brandywine cont

77

Station	IF Pipe	Stake	CUT	Station	IF Pipe	Stake	CUT
2+60	205.20	208.08	C288	4+40	208.53	212.23	C370
2+40	204.39	207.41	C302	4+20	207.67	211.60	C393
2+20	203.37	206.35	C298	4+18WLT	211.62	211.74	C012
2+20(W) LT	207.36	206.76	F060	4+00	207.23	211.08	C385
2+18WLT	207.23			3+66 ⁶⁷	206.85	210.46	C361
2+00	202.10	205.12	C302	3+52	210.68	210.30	F038
1+80	200.63	203.83	C320	3+50WLT	210.66		
1+68WLT	203.57	203.31	203.31 F026	3+33 ³³	206.48	209.90	C342
1+60	198.89	202.16	C327	3+00	206.11	209.27	C316
1+40	196.94	200.19	C325	2+80	205.76	208.61	C285
1+18WLT	198.66	198.56	F010	2+68WLT	209.41	208.56	F085

6" Main (Water) Trenton cont

6" stub water line in Bunker Hill 78
 from Main in Princeton to 875
 Ely - DWG 2960-D

Station	IE Pipe	Stake	CUT
Brandywine 6700 ⁰³ = 'T' in	226.9	29.74	C284
Brandywine 5780 ⁰³ = Jky P.L.	225.80		
5770 FHLT	228.21	226.64	F157
5770	224.21	227.61	C340
5743 WLT	223.83	223.49	F034
5740	219.35	221.97	C262
5720	216.33	229.64	C331
5700	213.73	217.03	C330
4780	211.57	214.86	C329
4768 WLT	214.29	214.68	C039
4760	209.86	213.22	C336

Station	IE Pipe	Stake	CUT
WLT			
0+875 =	133.93 133.44		
0+875	129.72 129.23	133.90	C418
0+55	126.52	130.98	C446
(25)			
0+30	124.05	128.91	C486
Page 69			
675728 675478			
0700 =	0705 122.7	126.51	C381

42" storm drain at
Moultrie + Ticonderoga
DWG 2958.D

change of grade - Brandywine 79
ST Moultrie To Trenton
See page 12
RT-117

Station	I/F Pipe	Stake	CUT OR FILL	Station	N/Edge Pave Grade	Stakes N/E Edge Pave	Rough Grade	Top of Grade	Curve Stake
				EVC 2+60.04	F0.73 229.25	F126 227.99	F3.66 225.35	229.00	F1.37 227.63
				28.27					
				2+31.77	C0.22 226.41	F0.29 226.12	F1.93 224.23	226.16 226	F0.15 226.01
				(28.25)					
				2+03.52	C0.71 223.64	C039 224.03	F1.93 221.46	223.39	C0.73 224.12
				(28.25)					
				1+75.27	C0.78 220.91	C044 221.35	F1.37 219.29	220.66	C0.83 221.49
				(28.25)					
				1+47.52	C0.35 218.24	C0.18 218.42	F1.63 216.36	217.99	C0.81 218.80
				(24)					
end of pipe 0+88 = SWly	72.20	75.78	C358	1+23.02	C0.15 216.01	C009 216.10	F2.45 213.31	215.76	C0.72 216.48
				(28.27)					
0+66	73.76	78.31	C454	0+94.75	F0.51 213.43	F009 213.34	F1.16 212.02	213.18	F0.20 212.98
				(28.25)					
0+44	75.33	78.97	C3.64	0+66.50	F0.31 210.70	C018 210.88	F1.17 209.28	210.45	F0.30 210.15
				(28.25)					
0+22	76.89	79.49	C2.60	0+38.25	C0.02 208.42	C0.22 208.64	F2.53 205.65	208.17	F0.62 207.55
				(28.25)					
end of pipe 0+10 = NEly	78.46	81.28	C2.82	BVC 0+10	206.00	C065 206.65		205.75	C0.05 205.83
				0+08 ch.BC		See page 12		205.60	C0.01 205.61

42"-

1700

DWS

Station

End of

0+88=5

0+66

0+44

0+22

End of

0+00=1

851	78
843	<u>5</u>
<hr/>	
0012	
922	
851	
<hr/>	
71	
<hr/>	

8075	
7696	
<hr/>	
379	

olve -
39+40

- 28.50 =
85.05

47.47
90-7
97.04
6.71
90.33

26 71
10
36 71
3
39.71

15
40
83
138

15
40.83
55.83
66

59.64

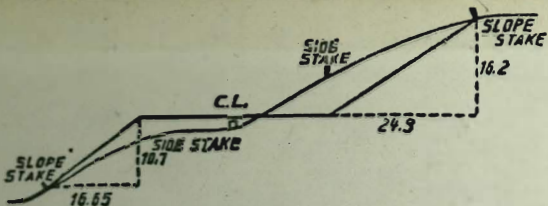
176
853
17

2+51
1+75
76

2+51
2+32
19

23
11
11
527
16.27

2
4+32
14
41



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
SLOPE 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

THE NATIONAL BLANK BOOK COMPANY
HOLYOKE MASSACHUSETTS
NEW YORK CHICAGO BOSTON SAN FRANCISCO