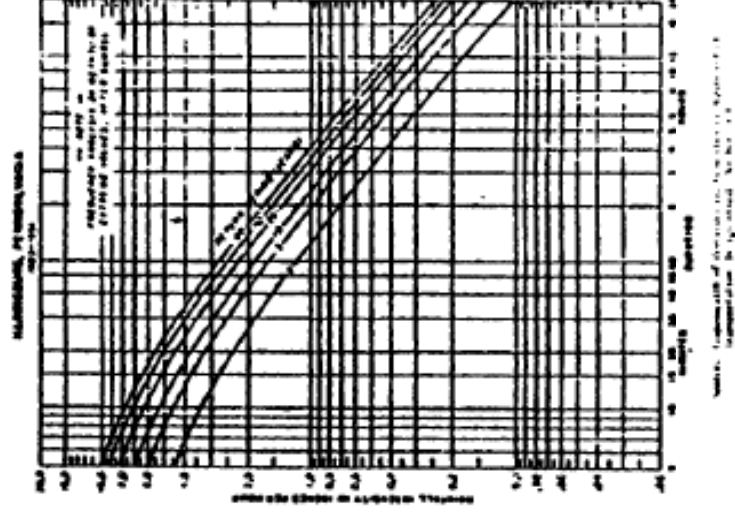


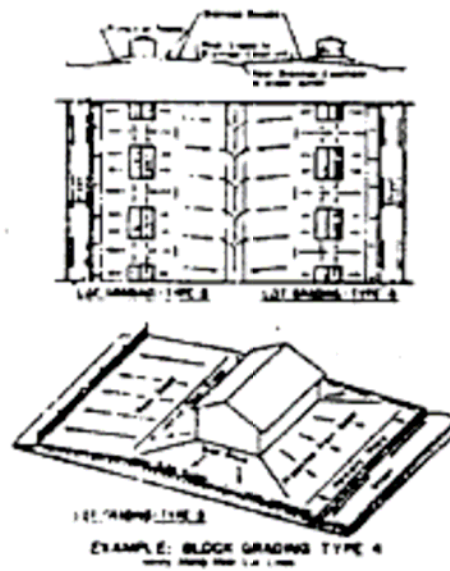
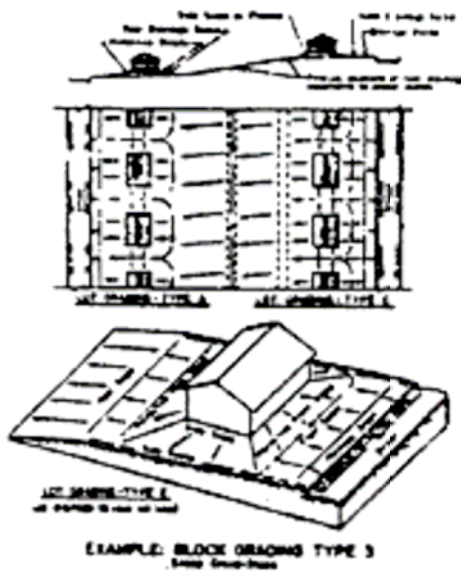
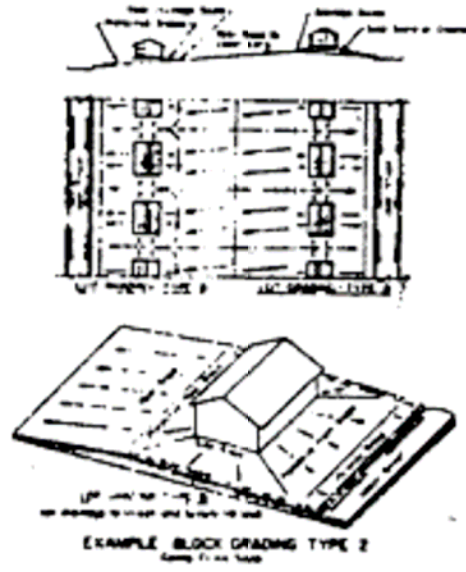
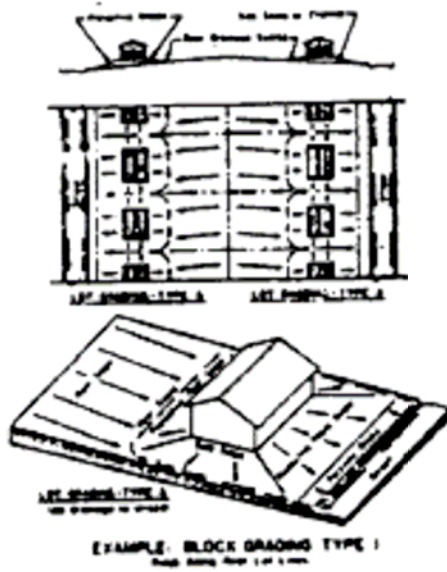
22 Attachment 8

Borough of Elizabethtown

APPENDIX 8
RAINFALL INTENSITY- DURATION FREQUENCY CHART



LOT GRADING PLAN EXAMPLES



RECOMMENDED RUNOFF CURVE NUMBERS “CN” FOR SCS METHOD

Land Use	A			B			C			D		
	0-2%	2-6%+	6%	0-2%	2-6%	6%+	0-2%	2-6%	6%+	0-2%	2-6%+	6%+
Cultivated Land												
Winter conditions	48	60	75	62	73	82	68	78	90	77	88	95
Summer conditions	35	51	58	48	55	65	57	65	73	64	69	79
Fallowed Fields												
Poor condition	45	54	65	56	63	73	64	74	81	69	77	87
Good condition	30	44	48	43	48	55	48	54	63	56	60	68
Forest/Woodland	30	40	43	42	46	50	45	50	53	50	56	61
Grass Areas												
Good conditions	35	51	53	48	54	63	56	59	73	62	63	79
Avg. conditions	45	53	58	52	55	65	60	63	75	65	69	82
Poor conditions	48	55	67	56	67	77	66	74	85	73	81	90
Impervious conditions	96	97	98	96	97	98	96	97	98	96	97	98
Weighted Residential												
Lot size 1/8 acre	71	75	78	74	76	82	78	80	87	81	83	90
Lot size 1/4 acre	62	67	71	66	69	76	67	69	76	75	78	88
Lot size 1/3 acre	59	65	69	64	66	74	70	66	75	74	77	87
Lot size 1/2 acre	57	63	68	62	64	73	68	65	73	72	76	86
Lot size 1 acre	55	62	67	61	63	72	61	64	72	71	75	85

SUBDIVISION AND LAND DEVELOPMENT

RECOMMENDED RUNOFF COEFFICIENTS "C" FOR RATIONAL FORMULA

Land Use	A			B			C			D		
	0-2%	2-6%	6%+	0-2%	2-6%	6%+	0-2%	2-6%	6%+	0-2%	2-6%	6%+
Cultivated Land												
Winter conditions	.14	.23	.34	.21	.32	.41	.27	.37	.48	.34	.45	.56
Summer conditions	.10	.16	.22	.14	.20	.28	.19	.16	.33	.23	.29	.38
Fallowed Fields												
Poor condition	.12	.19	.28	.17	.25	.34	.23	.33	.40	.27	.35	.45
Good condition	.08	.13	.16	.11	.15	.21	.14	.19	.26	.18	.23	.31
Forest/Woodland	.08	.11	.14	.10	.14	.18	.12	.16	.20	.15	.20	.25
Grass Areas												
Good conditions	.10	.16	.20	.14	.19	.26	.18	.22	.30	.21	.25	.35
Avg. conditions	.12	.18	.22	.16	.21	.28	.20	.25	.34	.24	.29	.41
Poor conditions	.14	.21	.30	.18	.28	.37	.25	.35	.44	.30	.40	.50
Impervious conditions	.90	.91	.92	.91	.92	.93	.92	.93	.94	.93	.94	.95
Weighted Residential												
Lot size 1/8 acre	.29	.33	.36	.31	.35	.40	.34	.38	.44	.32	.41	.48
Lot size 1/4 acre	.26	.30	.34	.29	.33	.38	.32	.36	.42	.34	.38	.46
Lot size 1/3 acre	.24	.28	.31	.26	.32	.35	.29	.35	.40	.32	.36	.45
Lot size 1/2 acre	.21	.25	.28	.24	.27	.32	.27	.31	.37	.30	.34	.43
Lot size 1 acre	.18	.23	.26	.21	.24	.30	.24	.29	.36	.28	.32	.41

(22, Rainfall Intensity- Duration Frequency Chart)

