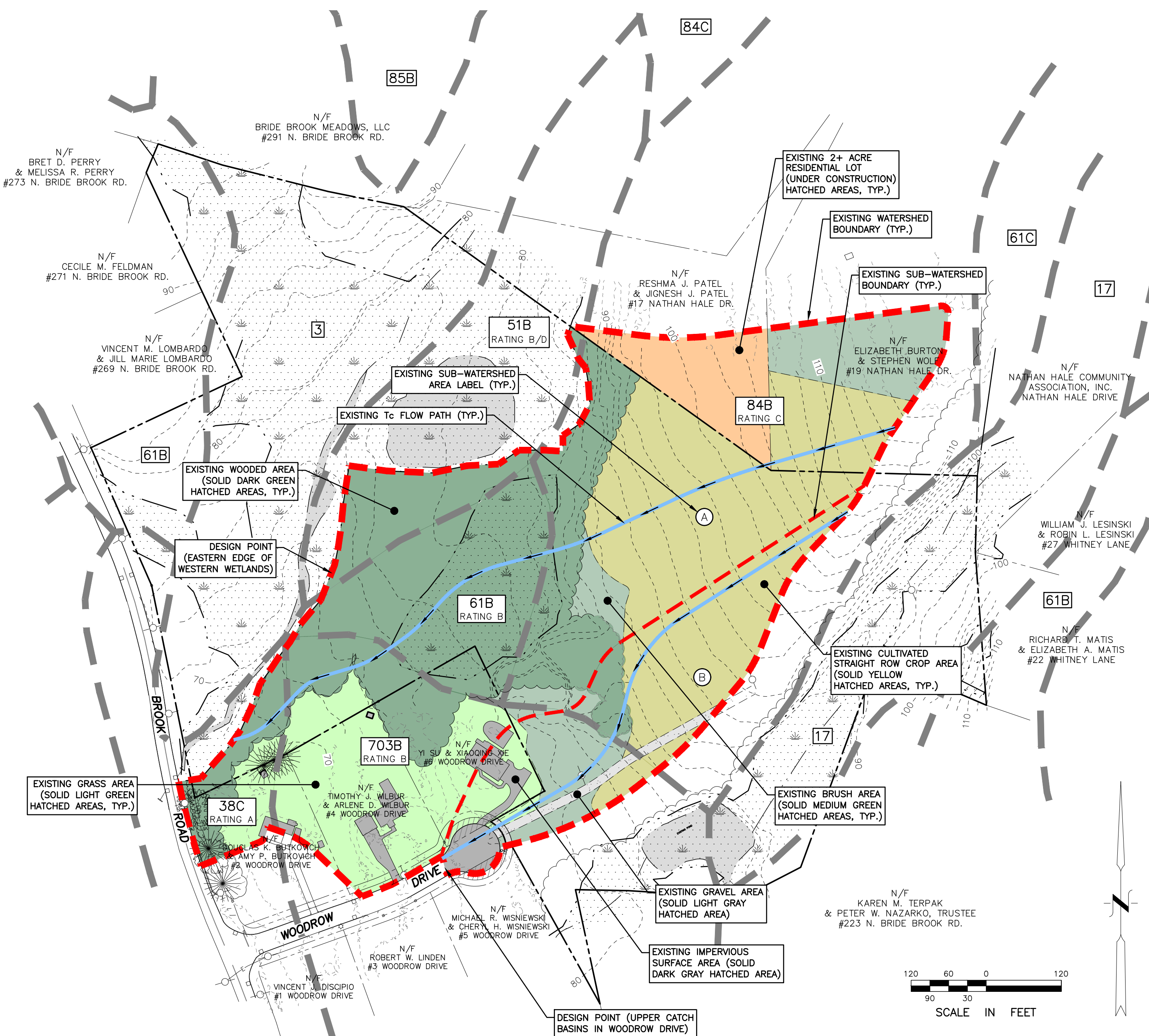
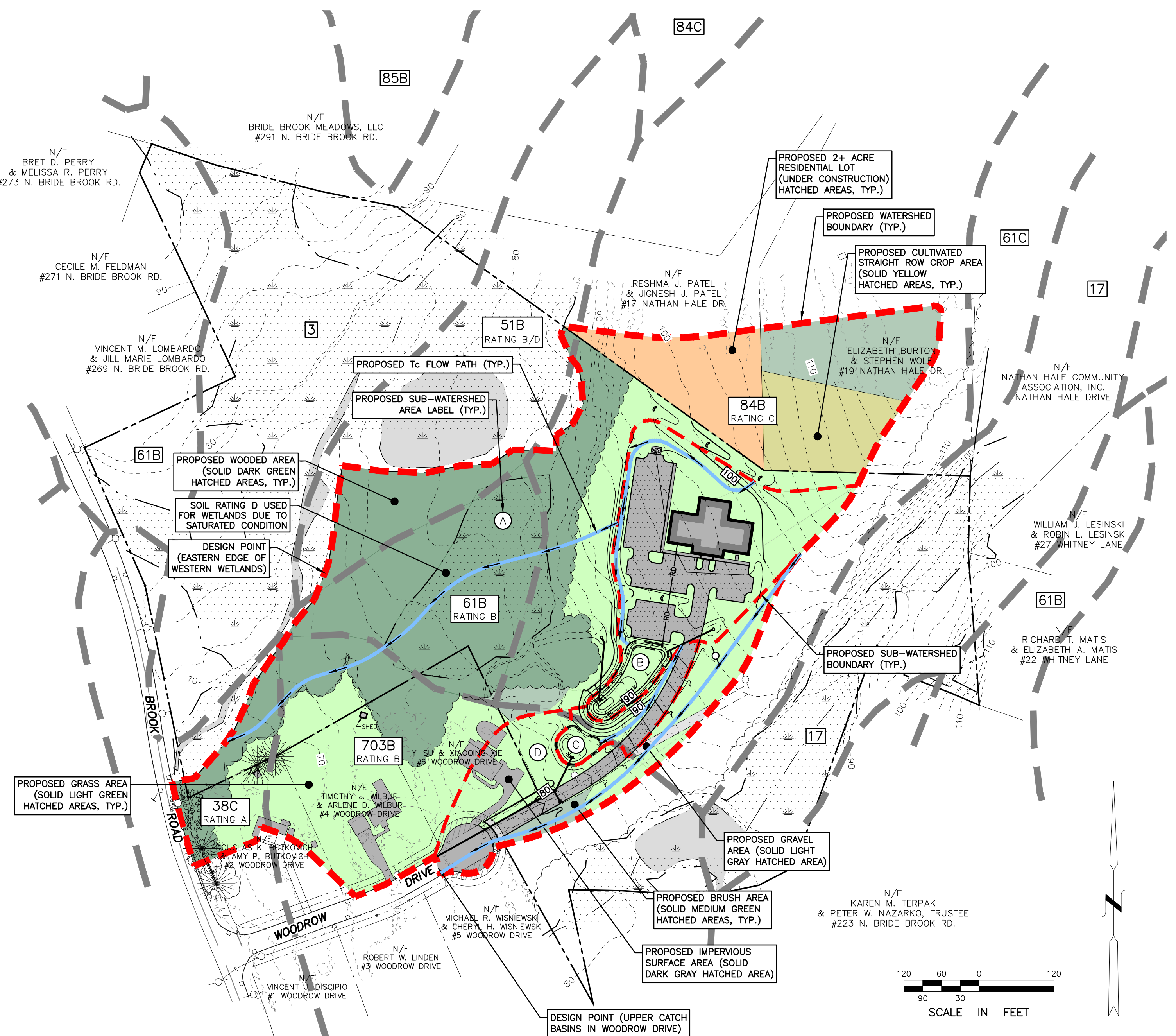


EXISTING DRAINAGE AREA MAP



PROPOSED DRAINAGE AREA MAP



EXISTING DRAINAGE AREA CURVE NUMBERS

PROPOSED TR-55 CURVE NUMBERS WATERSHED AREA 'A'				
CURVE NUMBER	GROUND COVER	SOIL RATING	CN (SQ. FT.)	CN (ACRES)
98	IMPERVIOUS	N/A	8,121	0.19
85	STRAIGHT ROW CROP (GOOD)	C	112,735	2.59
77	2 ACRE RESIDENTIAL LOT (GOOD)	C	32,511	0.75
82	2 ACRE RESIDENTIAL LOT (GOOD)	D	155	0.00
39	GRASS (GOOD)	A	10,342	0.24
61	GRASS (GOOD)	B	67,743	1.56
30	WOODS (GOOD)	A	17,711	0.41
55	WOODS (GOOD)	B	84,289	1.94
70	WOODS (GOOD)	C	39,624	0.91
77	WOODS (GOOD)	D	55,569	1.28
48	BRUSH (GOOD)	B	349	0.01
65	BRUSH (GOOD)	C	41,696	0.96
TOTAL			470,845	10.81

THE WEIGHTED CURVE NUMBER (CN) VALUE IS: 69

PROPOSED TR-55 CURVE NUMBERS WATERSHED AREA 'B'				
CURVE NUMBER	GROUND COVER	SOIL RATING	CN (SQ. FT.)	CN (ACRES)
98	IMPERVIOUS	N/A	10,896	0.25
85	GRAVEL ROAD	B	3,666	0.08
89	GRAVEL ROAD	C	2,029	0.05
78	STRAIGHT ROW CROP (GOOD)	B	3,886	0.09
85	STRAIGHT ROW CROP (GOOD)	C	52,570	1.21
61	GRASS (GOOD)	B	10,298	0.24
55	WOODS (GOOD)	B	197	0.00
70	WOODS (GOOD)	C	6,758	0.16
48	BRUSH (GOOD)	B	19,706	0.45
65	BRUSH (GOOD)	C	1,613	0.04
TOTAL			111,619	2.56

THE WEIGHTED CURVE NUMBER (CN) VALUE IS: 76

SOILS LEGEND		
UNIT NUMBER	SOIL TYPE	SOIL RATING
3	RIDGEBURY, LEICESTER, & WHITMAN SOILS, 0-3% SLOPES, EXTREMELY STONY	D
17	TIMAKWA & NATCHAUG SOILS, 0-2% SLOPES	B/D
38C	HINCKLEY LOAMY SAND, 3-15% SLOPES	A
51B	SUTTON FINE SANDY LOAM, 0-8% SLOPES, VERY STONY	B/D
61B	CANTON & CHARLTON FINE SANDY LOAMS, 0-8% SLOPES, VERY STONY	B
61C	CANTON & CHARLTON FINE SANDY LOAMS, 8-15% SLOPES, VERY STONY	B
84B	PAXTON & MONTAUK FINE SANDY LOAMS, 3-8% SLOPES	C
84C	PAXTON & MONTAUK FINE SANDY LOAMS, 8-15% SLOPES	C
703B	HAVEN SILT LOAM, 3-8% SLOPES	B

PROPOSED DRAINAGE AREA CURVE NUMBERS

PROPOSED TR-55 CURVE NUMBERS WATERSHED AREA 'A'				
CURVE NUMBER	GROUND COVER	SOIL RATING	CN (SQ. FT.)	CN (ACRES)
98	IMPERVIOUS	N/A	8,121	0.19
85	STRAIGHT ROW CROP (GOOD)	C	27,241	0.63
77	2 ACRE RESIDENTIAL LOT (GOOD)	C	32,511	0.75
82	2 ACRE RESIDENTIAL LOT (GOOD)	D	155	0.004
39	GRASS (GOOD)	A	10,342	0.24
61	GRASS (GOOD)	B	67,790	1.56
74	GRASS (GOOD)	C	46,064	1.06
30	WOODS (GOOD)	A	17,711	0.41
55	WOODS (GOOD)	B	87,263	2.00
70	WOODS (GOOD)	C	44,395	1.02
77	WOODS (GOOD)	D	55,569	1.28
48	BRUSH (GOOD)	B	1,206	0.03
65	BRUSH (GOOD)	C	33,713	0.77
TOTAL			432,081	9.92

THE WEIGHTED CURVE NUMBER (CN) VALUE IS: 66

PROPOSED TR-55 CURVE NUMBERS WATERSHED AREA 'B'				
CURVE NUMBER	GROUND COVER	SOIL RATING	CN (SQ. FT.)	CN (ACRES)
98	IMPERVIOUS	N/A	36,929	0.85
74	GRASS (GOOD)	C	53,453	1.23
TOTAL			90,382	2.07

THE WEIGHTED CURVE NUMBER (CN) VALUE IS: 84

PROPOSED TR-55 CURVE NUMBERS WATERSHED AREA 'C'				
CURVE NUMBER	GROUND COVER	SOIL RATING	CN (SQ. FT.)	CN (ACRES)
98	IMPERVIOUS	N/A	4,951	0.11
61	GRASS (GOOD)	B	3,888	0.09
74	GRASS (GOOD)	C	5,382	0.12
TOTAL			14,221	0.33

THE WEIGHTED CURVE NUMBER (CN) VALUE IS: 79

PROPOSED TR-55 CURVE NUMBERS WATERSHED AREA 'D'				
CURVE NUMBER	GROUND COVER	SOIL RATING	CN (SQ. FT.)	CN (ACRES)
98	IMPERVIOUS	N/A	16,161	0.37
85	GRAVEL ROAD	B	1,947	0.04
89	GRAVEL ROAD	C	59	0.001
61	GRASS (GOOD)	B	23,383	0.54
48	BRUSH (GOOD)	B	4,230	0.10
TOTAL			45,780	1.05

THE WEIGHTED CURVE NUMBER (CN) VALUE IS: 74

PLAN PREPARED BY:
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THE EMPLOYED SEAL OF THE PROFESSIONAL ENGINEER IS AFFIXED HERE FOR THIS MAP TO BE VALID

#	DATE	BY	DESCRIPTION
1	11/13/2020	RG	GENERAL REVISIONS

DRAINAGE AREA MAPS
PREPARED FOR #1 EAST LYME 144, LLC
144 BOSTON POST ROAD -- MAP 13.1 LOT 8
EAST LYME, CONNECTICUT

DATE: SEPTEMBER 8, 2020
SCALE: 1"=120'
DRAWN BY: RG
CHECKED BY: JW
DWG. NO.: DAM-1
SHEET NO.: 1 of 1
JOB NO.: 2019-545