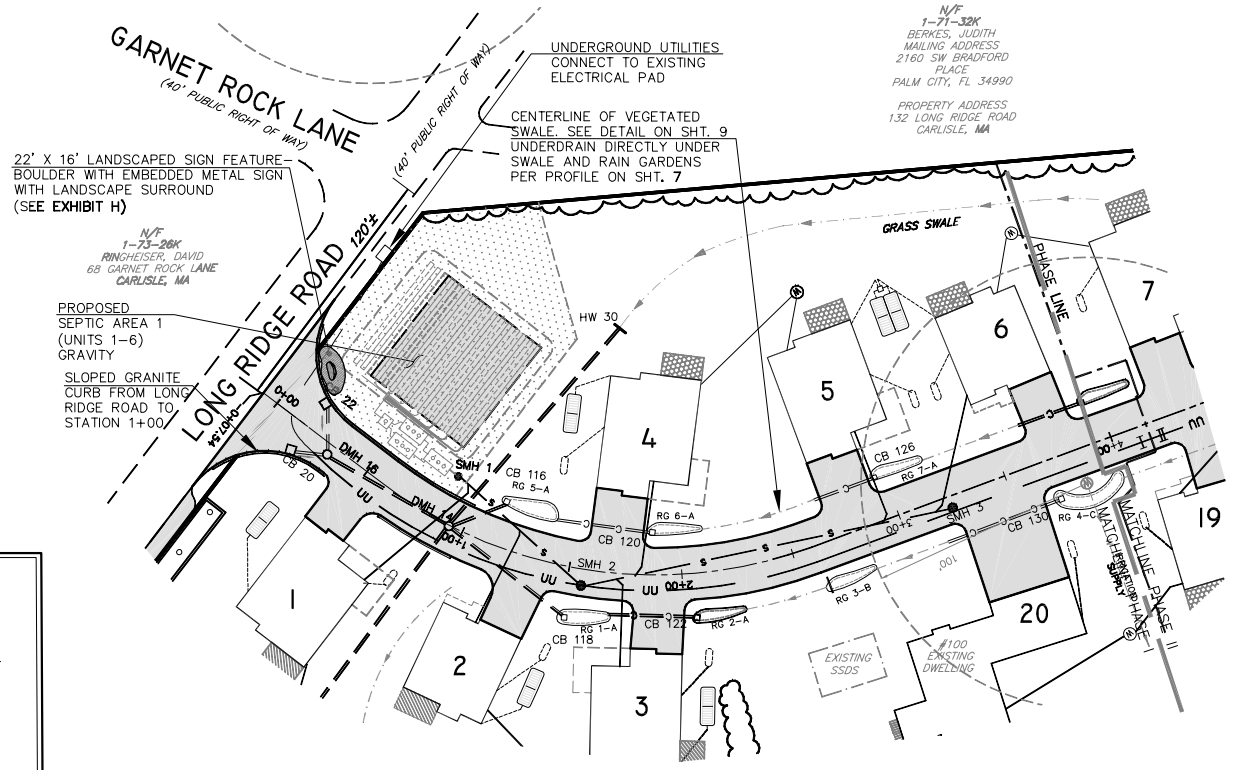
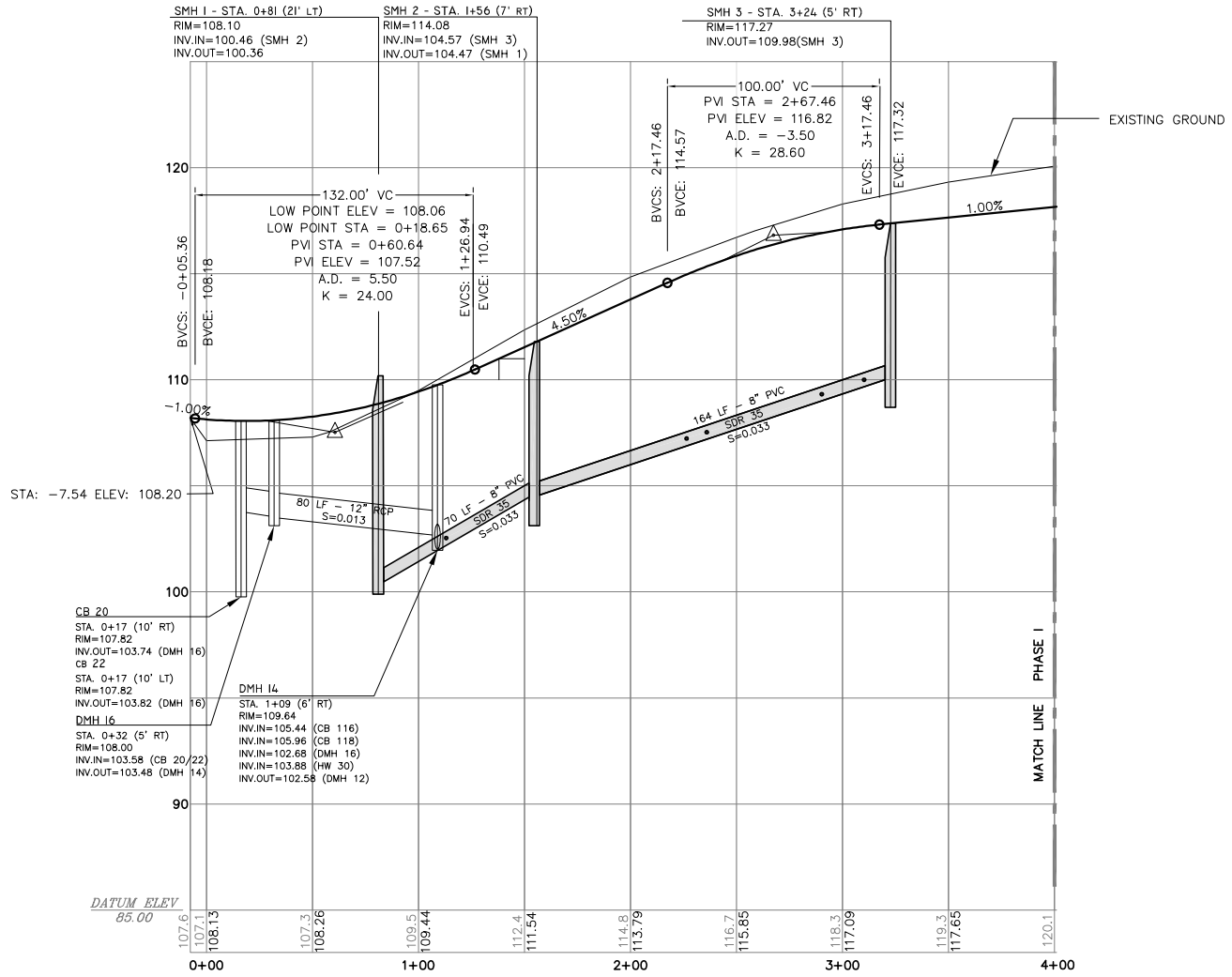


PLAN SCALE: HORIZ.=1"= 40'

LEGEND

- UNDERGROUND 500 GALLON INDIVIDUAL PROPANE TANK
- UNDERGROUND CUL-TECH ROOF INFILTRATION SYSTEM
- DRIVEWAY CULVERT
- RAIN GARDEN



PROFILE SCALE: HORIZ.=1"= 40'
VERT.=1"=4'

STRUCTURE ELEVATION TABLE					
STRUCTURE	RIM	INV. IN	INV. IN	INV. IN	INV. OUT
CB 126	116.45				115.57 (LOT 3 DRIVEWAY)
CB 120	112.18				111.30 (LOT 2 DRIVEWAY)
CB 116	108.00				107.12 (DMH 14)
CB 20	107.82				103.74 (DMH 16)
CB 22	107.82				103.80 (DMH 16)
DMH 16	108.00	103.58 (CB 20)	103.58 (CB 22)		103.48 (DMH 14)
DMH 14	109.64	105.44 (CB 116)	102.68 (CB 16)	105.96(CB 118)	102.58 (DMH 12)
DMH 12	102.00	101.16 (DMH 14)			101.06 (HW 10)
CB 130	116.85				115.97 (LOT 20 DRIVEWAY)
CB 122	113.17				112.30 (LOT 6 DRIVWAY)
CB 118	110.74				109.86 (DMH 14)
CB 60	116.61				111.02 (DMH 64)
CB 62	116.25				111.14 (DMH 64)
DMH 64	116.10	110.90 (CB 60)	110.90 (CB 62)		110.80 (HW 48)
CB 66	112.00	106.35 (BIORET)			106.00 (CB 65)
CB 65	112.00	101.32 (CB 66)			101.22 (DMH 50)
DMH 50	104.90	100.62 (CB 65)	101.62 (DMH 52)		101.52 (CISTERN)
CB 54	105.37				102.80 (DMH 52)
CB 56	105.37				102. 72 (DMH 52)
CB 216	106.85				103.69 (DMH 52)
CB 214	108.85				105.97 (LOT 12 DRIVEWAY)
DMH 52	105.64	102.58 (CB 54)	102.58 (CB 56)	102.93 (CB 216)	101.48 (DMH 50)
CB 23	106.00	103.22 (CB 54)			103.22 (HW 40)

DRAINAGE PIPE SCHEDULE (ALL PIPES HDPE)						
FROM	TO	INV. IN	INV. OUT	LENGTH (FT)	SLOPE (FT/FT)	DIAM (IN)
CB 116	DMH 14	107.12	105.44	28	0.0600	8
HW 30	DMH 14	113.00	103.88	114	0.0800	12
DMH 16	DMH 14	103.48	102.68	60	0.0133	12
CB 20	DMH 16	103.74	103.58	16	0.0100	12
CB 22	DMH 16	103.80	103.58	22	0.0100	12
DMH 14	DMH 12	102.58	101.16	95	0.0150	18
DMH 12	HW 10	101.06	100.23	55	0.0150	18
CB 118	DMH 14	109.86	105.96	65	0.0600	8
CB 60	DMH 64	111.02	110.90	12	0.0100	12
CB 62	DMH 64	111.14	110.90	24	0.0100	12
DMH 64	HW 46	110.80	110.62	12	0.0150	12
BIORET.	CB 66	107.25	106.35	15	0.0600	8
CB 66	CB 65	106.00	102.36	52	0.0700	2X2
CB 65	DMH 50	102.22	101.62	30	0.0200	12
CB 216	DMH 52	103.69	102.93	38	0.0200	8
CB 54	DMH 52	102.80	102.58	22	0.0100	12
CB 56	DMH 52	102.72	102.58	14	0.0100	12
DMH 52	DMH 50	102.48	101.62	32	0.0270	12
DMH 50	CISTERN	101.52	101.42	5	0.0200	15
CISTERN	SMF	101.32	101.22	5	0.0200	12
CB 23	HW 40	103.22	102.09	75	0.0150	18

CULVERT SCHEDULE					
LOCATION	INV. IN	INV. OUT	LENGTH (FT)	SLOPE (FT/FT)	DIAM (IN)
LOT 6 DRIVEWAY	116.00	115.65	35	0.0100	8
LOT 5 DRIVEWAY	114.35	114.00	35	0.0100	8
LOT 4 DRIVEWAY	110.12	108.92	40	0.0300	8
LOT 20 DRIVEWAY	115.85	115.37	48	0.0100	8
LOT 3 DRIVEWAY	112.00	110.00	40	0.0500	8
LOT 12 DRIVEWAY	106.58	105.23	35	0.0100	8
LOT 11 DRIVEWAY	109.32	108.97	35	0.0100	8
LOT 10 DRIVEWAY	113.27	112.92	35	0.0100	8

NOTES

1. FOR DRAIN PIPE & STUCTURE INFORMATION USE TABLES HEREON
2. FOR CONSTRUCTION DETAILS, TYPICAL PRIVATE DRIVEWAY CONSTRUCTION, AND ALL OTHER DETAILS USE SHEETS 2,9,10,&11
3. FOR TEMPORARY EROSION CONTROLS USE SHEETS 2 & 12
4. FOR LEGEND & ABBREVIATIONS SEE SHEET 2
5. CATCH BASIN 20, 22, 54, AND 56 TO UTILIZE INSERT BY STORMWATER BUFFER ZONE. SEE DETAIL ON SHT. 9

APPROVAL: CARLISLE BOARD OF APPEALS

JEFFREY A BREM CIVIL 37750 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS
5-30-15

REV.	DATE	BY	COMMENTS
6			
5	6/24/2015	PM/JB	REVISED SIGN
4	3/27/2015	W./JB	PER NITSCH COMMENTS
3	3/24/2015	W./JB	PER NITSCH COMMENTS
2	2/25/2015	W./JB	PER NITSCH COMMENTS
1	2/6/2015	W./JB	PER NITSCH COMMENTS

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PLAN & PROFILE AND UTILITY PLAN

"The Birches" PHASE I

100 LONG RIDGE ROAD
CARLISLE, MASSACHUSETTS

PREPARED FOR:
LIFETIME GREEN HOMES, LLC
142 LITTLETON ROAD
WESTFORD, MA 01886

NOVEMBER 4, 2014 SCALE: 1"= 40'

40 20 0 40 80

MEISNER BREM CORPORATION
142 LITLETON ROAD, STE. 16, WESTFORD, MA 01886 · (978) 692-1313
151 MAIN STREET, SALEM, NH 03079 (603) 893-3301

DRAFTED BY: JRR/PDM | SURVEYED BY: KDM | **6 of 12**
APPROVED BY: JAB/KDM | JOB NUMBER: 2066

ACAD FILE: 2066m-40B-ANR.dwg