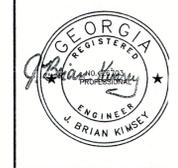


REVISION BLOCK		DATE	DESCRIPTION
A	08/24/07	08/24/07	SUBMITTAL
B	09/04/07	09/04/07	ADDRESS HEALTH DEPT. COMMENTS



KIMSEY
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1270 Victoria Road
Watkinsville, GA 30677
P: 706.769.7674
email - bkimsey@belsouth.com

SEPTIC PLANS for

PROJECT NAME:
BRASSTON CREEK

SHEET TITLE:
ABSORPTION FIELD

SHEET NUMBER:
SP-

PROJECT NUMBER:
07001M

DATE:
08/20/07

**ONSITE SEWAGE MANAGEMENT SYSTEM
ABSORPTION FIELD CALCULATION**

GENERAL INFO
DATE: 8/20/2007
CLIENT: MOUNTAIN INVESTORS, INC
SUBDIVISION: UN-NAMED
LOT #(s): 1,2,3,16,17,18,19,20,21
OF BEDROOMS: 36
SYSTEM TYPE: Conventional (engineered - pumped)

SOIL INFO
Restrictive Soil Type(s):
Permeability Rate: 45
Absorption Field Area Per Bedroom (SF) Table DT-2: 300

DESIGN CALCULATIONS
Daily flow volume per bedroom (GPD): 150
Type of absorption line: Chamber - high capacity
Reduction Factor: 0.65

Number of Bedrooms	3	4	5	6	7	8	9	10	11	12	13	14
Calculated Daily Flow (gpd)	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
Primary System Length (ft)	195	260	325	390	455	520	585	650	715	780	845	910
100% Replacement Length (ft)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400

Number of Bedrooms	15	16	17	18	19	20	21	22	23	24	25	26
Calculated Daily Flow (gpd)	2250	2400	2550	2700	2850	3000	3150	3300	3450	3600	3750	3900
Primary System Length (ft)	975	1040	1105	1170	1235	1300	1365	1430	1495	1560	1625	1690
100% Replacement Length (ft)	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600

Number of Bedrooms	27	28	29	30	31	32	33	34	35	36	37	38
Calculated Daily Flow (gpd)	4050	4200	4350	4500	4650	4800	4950	5100	5250	5400	5550	5700
Primary System Length (ft)	1755	1820	1885	1950	2015	2080	2145	2210	2275	2340	2405	2470
100% Replacement Length (ft)	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800

Number of Bedrooms	39	40	41	42	43	44	45	46	47	48	49	50
Calculated Daily Flow (gpd)	5850	6000	6150	6300	6450	6600	6750	6900	7050	7200	7350	7500
Primary System Length (ft)	2535	2600	2665	2730	2795	2860	2925	2990	3055	3120	3185	3250
100% Replacement Length (ft)	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000

**ONSITE SEWAGE MANAGEMENT SYSTEM
ABSORPTION FIELD CALCULATION**

GENERAL INFO
DATE: 8/20/2007
CLIENT: MOUNTAIN INVESTORS, INC
SUBDIVISION: UN-NAMED
LOT #(s): 10,11
OF BEDROOMS: 8
SYSTEM TYPE: Conventional (engineered - pumped)

SOIL INFO
Restrictive Soil Type(s):
Permeability Rate: 55
Absorption Field Area Per Bedroom (SF) Table DT-2: 325

DESIGN CALCULATIONS
Daily flow volume per bedroom (GPD): 150
Type of absorption line: Chamber - high capacity
Reduction Factor: 0.65

Number of Bedrooms	3	4	5	6	7	8	9	10	11	12	13	14
Calculated Daily Flow (gpd)	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
Primary System Length (ft)	211	282	352	423	493	563	634	704	775	845	915	986
100% Replacement Length (ft)	325	433	542	650	758	867	975	1083	1192	1300	1408	1517

Number of Bedrooms	15	16	17	18	19	20	21	22	23	24	25	26
Calculated Daily Flow (gpd)	2250	2400	2550	2700	2850	3000	3150	3300	3450	3600	3750	3900
Primary System Length (ft)	1056	1127	1197	1268	1338	1408	1479	1549	1620	1690	1760	1831
100% Replacement Length (ft)	1625	1733	1842	1950	2058	2167	2275	2383	2492	2600	2708	2817

Number of Bedrooms	27	28	29	30	31	32	33	34	35	36	37	38
Calculated Daily Flow (gpd)	4050	4200	4350	4500	4650	4800	4950	5100	5250	5400	5550	5700
Primary System Length (ft)	1901	1972	2042	2113	2183	2253	2324	2394	2465	2535	2606	2676
100% Replacement Length (ft)	2925	3033	3142	3250	3358	3467	3575	3683	3792	3900	4008	4117

Number of Bedrooms	39	40	41	42	43	44	45	46	47	48	49	50
Calculated Daily Flow (gpd)	5850	6000	6150	6300	6450	6600	6750	6900	7050	7200	7350	7500
Primary System Length (ft)	2746	2817	2887	2958	3028	3098	3169	3239	3310	3380	3450	3521
100% Replacement Length (ft)	4225	4333	4442	4550	4658	4767	4875	4983	5092	5200	5308	5417

**ONSITE SEWAGE MANAGEMENT SYSTEM
ABSORPTION FIELD - DRIP CALCULATION**

GENERAL INFO
DATE: 8/20/2007
CLIENT: MOUNTAIN INVESTORS, INC
SUBDIVISION: UN-NAMED
LOT #(s): 1,2,3,10,11,16,17,18,19,20,21
OF BEDROOMS: 44
SYSTEM TYPE: 100% REPLACEMENT AREA - DRIP

SOIL INFO
Restrictive Soil Type(s): Transylvania
Permeability Rate: 0.12 gpd/sq.ft.

DESIGN CALCULATIONS
Daily flow volume per bedroom (GPD): 150
Type of absorption line: Drip

Number of Bedrooms	3	4	5	6	7	8	9	10	11	12	13	14
Calculated Daily Flow (gpd)	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
Drip Area Required (SQ. FT.)	3750	5000	6250	7500	8750	10000	11250	12500	13750	15000	16250	17500

Number of Bedrooms	15	16	17	18	19	20	21	22	23	24	25	26
Calculated Daily Flow (gpd)	2250	2400	2550	2700	2850	3000	3150	3300	3450	3600	3750	3900
Drip Area Required (SQ. FT.)	18750	20000	21250	22500	23750	25000	26250	27500	28750	30000	31250	32500

Number of Bedrooms	27	28	29	30	31	32	33	34	35	36	37	38
Calculated Daily Flow (gpd)	4050	4200	4350	4500	4650	4800	4950	5100	5250	5400	5550	5700
Drip Area Required (SQ. FT.)	33750	35000	36250	37500	38750	40000	41250	42500	43750	45000	46250	47500

Number of Bedrooms	39	40	41	42	43	44	45	46	47	48	49	50
Calculated Daily Flow (gpd)	5850	6000	6150	6300	6450	6600	6750	6900	7050	7200	7350	7500
Drip Area Required (SQ. FT.)	48750	50000	51250	52500	53750	55000	56250	57500	58750	60000	61250	62500



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