



BASIN FILL

ELEV.	AREA	DOUBLE	INC.	VOLUME TOTAL
56	11600			0
58	11280	22880	22880	22880
58.7	9720	21000	7350	30230

1120 CU. YDS

BASIN STORAGE

ELEV.	AREA	DOUBLE	INC.	VOLUME TOTAL
53.5	1166			0
54	1402	2568	642	642
56	2932	3234	3234	3976
58	15154	8086	8086	12062
58.7	6727	11881	4158	16220

600 CU. YDS

CUL DE SAC FILLS

ELEV.	AREA	INC.	VOLUME TOTAL
60	347		0
62	1511	1858	1858
64	1895	3406	5264
66	2132	4027	9291
68	2307	4439	13730
70	12382	4689	13445
72	2484	4866	18311
74	2559	5043	23354
76	2610	5169	28523
78	2720	5330	33853
80	56	2776	36629
82	1895	1951	38580
84	4693	5588	44168
86	2496	7189	51357
88	4631	7127	58479
90	268	4899	63378

2,350 CU. YDS

CUL DE SAC CUTS

ELEV.	AREA	INC.	VOLUME TOTAL
80	0		0
82	2076	2076	2076
84	4693	7204	8845
86	2511	7204	16049
88	872	3383	19432
90	2620	3492	22924
92	471	3091	26015
94	504	975	26990
96	254	758	27648
98	658	912	28560
100	1829	2487	31047
102	2270	4099	35146

1,300 CU. YDS

APPROACH ROAD CUTS

ELEV.	AREA	INC.	VOLUME TOTAL
88	0		0
90	925	925	925
92	1652	2577	3508
94	2040	3692	7194
95	1256	3296	10490
98	1699	2955	13445
100	1803	3502	16947
102	2285	4088	21035
104	5831	8116	29151
106	4744	10575	39726
108	3458	8202	47928
110	2250	5708	53636
112	1336	3586	57222
114	10	1346	58568

2170 CU. YDS

EARTHWORKS SUMMARY

TOTAL CUTS	3470 CU. YDS.
FILLS	
CUL DE SAC HOUSE GRADING BASIN	2,350
FOUNDATION EXCAVATION	1,120
ROADWAY GRAVEL	520
SIDEWALK GRAVEL	78
NET MATERIAL FROM SITE GRADING GRAVEL FILL FOR ROADWAY	3,990 CU. YDS.
NET FILL REQUIRED	1075
ADD FOUNDATION EXCAVATION	-520
TOTAL TO BE REMOVED FROM SITE	555 CU. YDS. EXCESS

OBSERVATION HOLE #1

EL. 88.1	A
10"	SANDY LOAM
36"	B LOAMY SAND
84"	C1 MED-COARSE SAND
144"	C2 FINE - MED SAND 10% GRAVEL

WEEPING FROM PIT FACE: n/a  
ESTIMATED DEPTH TO MAX. G.W. >144" (EL. 76.1)  
STANDING N/A

OBSERVATION HOLE #2

EL. 55.6	OA
12"	SANDY LOAM
36"	B SANDY LOAM
108"	C1 LOAMY SAND
168"	C2 FINE - MED SAND 10% GRAVEL

WEEPING FROM PIT FACE: n/a  
ESTIMATED DEPTH TO MAX. G.W. >168" (EL. 46.1)  
STANDING N/A

**OWNER & APPLICANT**  
 BRENNAN, CONSTANCE J.  
 REVOCABLE LIVING TRUST  
 225 BEAVER DAM ROAD  
 PLYMOUTH, MA 02370  
 LCUS: PARCEL Nos. 075-013-004 & 005

**GRADING PLAN**  
 THE RESIDENCES AT SERENITY HILL  
 221 BEAVER DAM ROAD  
 PLYMOUTH, MA 02370  
 SCALE: 1"=40' DATE: JULY 27, 2020

JAMES ENGINEERING, INC.  
 125 GREAT ROCK ROAD  
 HANOVER, MASS. 02339  
 TEL: 1-(781)-878-1795

40' 0 40' 80' 120'  
 SCALE IN FEET

NO.	DATE	DESCRIPTION	BY
1	12/15/20	response to engineering	GDJ
2	12/23/20	ADDED LOT NUMBERS	GDJ
3	02/15/21	RESPONSE TO ENGINEERING	GDJ
4	03/15/21	RESPONSE TO ENGINEERING	GDJ
5	04/08/21	MINDR REVS	GDJ