

SOIL TESTING FOR TEST PITS 1-4 PERFORMED BY JOHN F. GLOSSA PE SE890 ON JUNE 8, 2023 AND WITNESSED BY CHRIS JOHNSON, WALPOLE ENGINEERING DEPT.  
 SOIL TESTING FOR TEST PITS 5-7 PERFORMED BY JOHN F. GLOSSA PE SE890 ON NOVEMBER 13, 2023 AND WITNESSED BY CARL BALDUF PE, PLS, WALPOLE TOWN ENGINEER

TEST PIT # 1		TEST PIT # 2			
0"	A SANDY LOAM 10YR 3/2	210.12	0"	A SANDY LOAM 10YR 3/2	212.43
10"	B LOAMY SAND 10 YR 5/8	209.29	10"	B LOAMY SAND 10YR 5/8	211.60
29"	C SAND 2.5Y 5/4	207.70	27"	C SAND 2.5Y 5/4	210.18
120"	NO REFUSAL NO MOTTLING WEEPING AT 66"	200.12	132"	NO REFUSAL NO MOTTLING WEEPING AT 48"	201.43

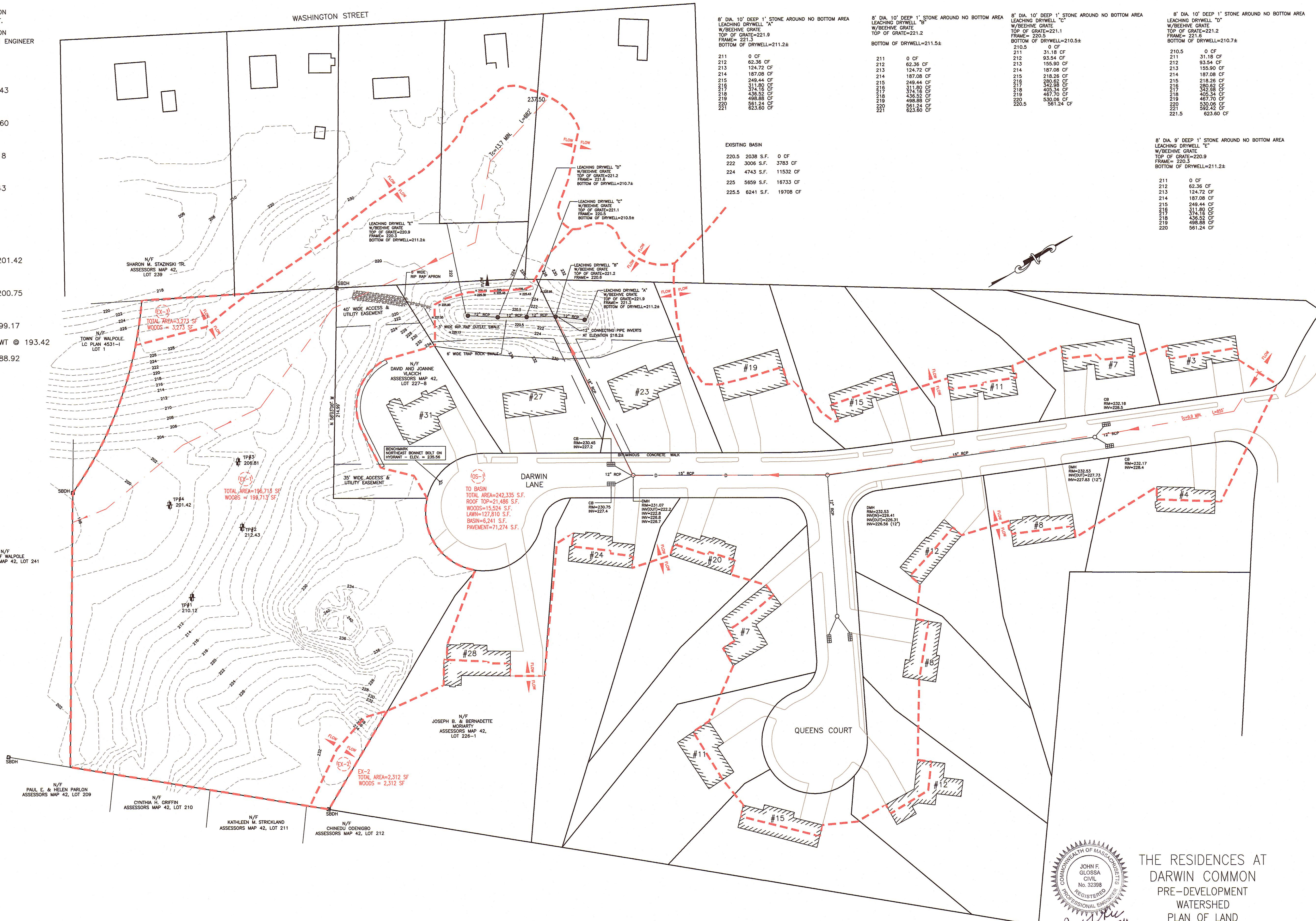
TEST PIT # 3		TEST PIT # 4			
0"	A SANDY LOAM 10YR 3/2	206.81	0"	A SANDY LOAM 10YR 3/2	201.42
8"	B LOAMY SAND 10YR 5/8	206.14	8"	B LOAMY SAND 10YR 5/8	200.75
27"	C SAND 2.5Y 5/4	204.56	27"	C SAND 2.5Y 5/4	199.17
132"	NO REFUSAL NO MOTTLING NO WEEPING	195.81	150"	NO REFUSAL NO MOTTLING AT 96" NO WEEPING	188.92

TEST PIT # 5		TEST PIT # 6			
0"	A SANDY LOAM 10YR 3/2	220.00	0"	A SANDY LOAM 10YR 3/2	219.00
8"	B SANDY LOAM 10YR 5/8	219.08	11"	B SANDY LOAM 10YR 5/8	218.08
24"	C SAND 2.5Y 5/4	218.00	40"	C SAND 2.5Y 5/4	215.67
185"	NO REFUSAL NO MOTTLING NO WEEPING	204.58	168"	NO REFUSAL NO MOTTLING NO WEEPING	205.00

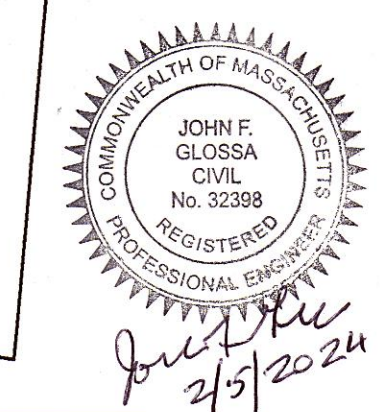
TEST PIT # 7		
0"	A SANDY LOAM 10YR 3/2	201.00
12"	B SANDY LOAM 10YR 5/8	200.00
33"	C SAND 2.5Y 5/4	198.25
132"	NO REFUSAL NO MOTTLING NO WEEPING	190.00



8" DIA. 10' DEEP 1" STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "A" W/BEEHIVE GRATE TOP OF GRATE=221.9 FRAME= 221.3 BOTTOM OF DRYWELL=211.2±		8" DIA. 10' DEEP 1" STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "B" W/BEEHIVE GRATE TOP OF GRATE=221.2 FRAME= 221.5 BOTTOM OF DRYWELL=211.5±		8" DIA. 10' DEEP 1" STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "C" W/BEEHIVE GRATE TOP OF GRATE=221.1 FRAME= 220.5 BOTTOM OF DRYWELL=210.5±		8" DIA. 10' DEEP 1" STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "D" W/BEEHIVE GRATE TOP OF GRATE=221.2 FRAME= 221.5 BOTTOM OF DRYWELL=210.7±	
211	0 CF	211	0 CF	211	0 CF	211	0 CF
212	62.36 CF	212	62.36 CF	212	31.18 CF	212	31.18 CF
213	124.72 CF	213	124.72 CF	213	93.54 CF	213	93.54 CF
214	187.08 CF	214	187.08 CF	214	155.90 CF	214	155.90 CF
215	249.44 CF	215	249.44 CF	215	187.08 CF	215	187.08 CF
216	311.80 CF	216	249.44 CF	216	218.26 CF	216	218.26 CF
217	374.16 CF	217	311.80 CF	217	280.62 CF	217	280.62 CF
218	436.52 CF	218	374.16 CF	218	342.98 CF	218	342.98 CF
219	498.88 CF	219	436.52 CF	219	405.34 CF	219	405.34 CF
220	561.24 CF	220	498.88 CF	220	467.70 CF	220	467.70 CF
221	623.60 CF	221	561.24 CF	220.5	530.06 CF	221	530.06 CF
				220.5	592.42 CF	221.5	623.60 CF

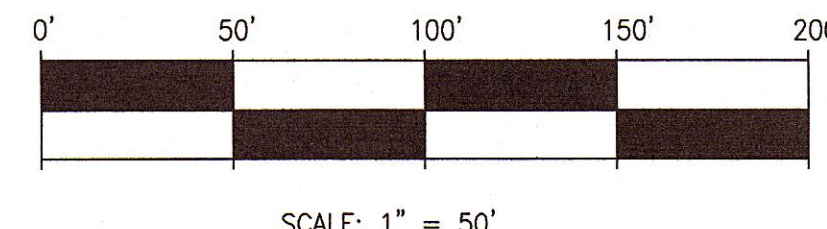
  

EXISTING BASIN	
220.5	2038 S.F. 0 OF
222	3008 S.F. 3783 CF
224	4743 S.F. 11532 CF
225	5659 S.F. 16733 CF
225.5	6241 S.F. 19708 CF



THE RESIDENCES AT  
 DARWIN COMMON  
 PRE-DEVELOPMENT  
 WATERSHED  
 PLAN OF LAND  
 IN  
 WALPOLE, MA  
 SCALE: 1"=50' JUNE 5, 2023  
 GLOSSA ENGINEERING, INC.  
 46 EAST ST  
 EAST WALPOLE, MA 02032  
 (508) 688-4401

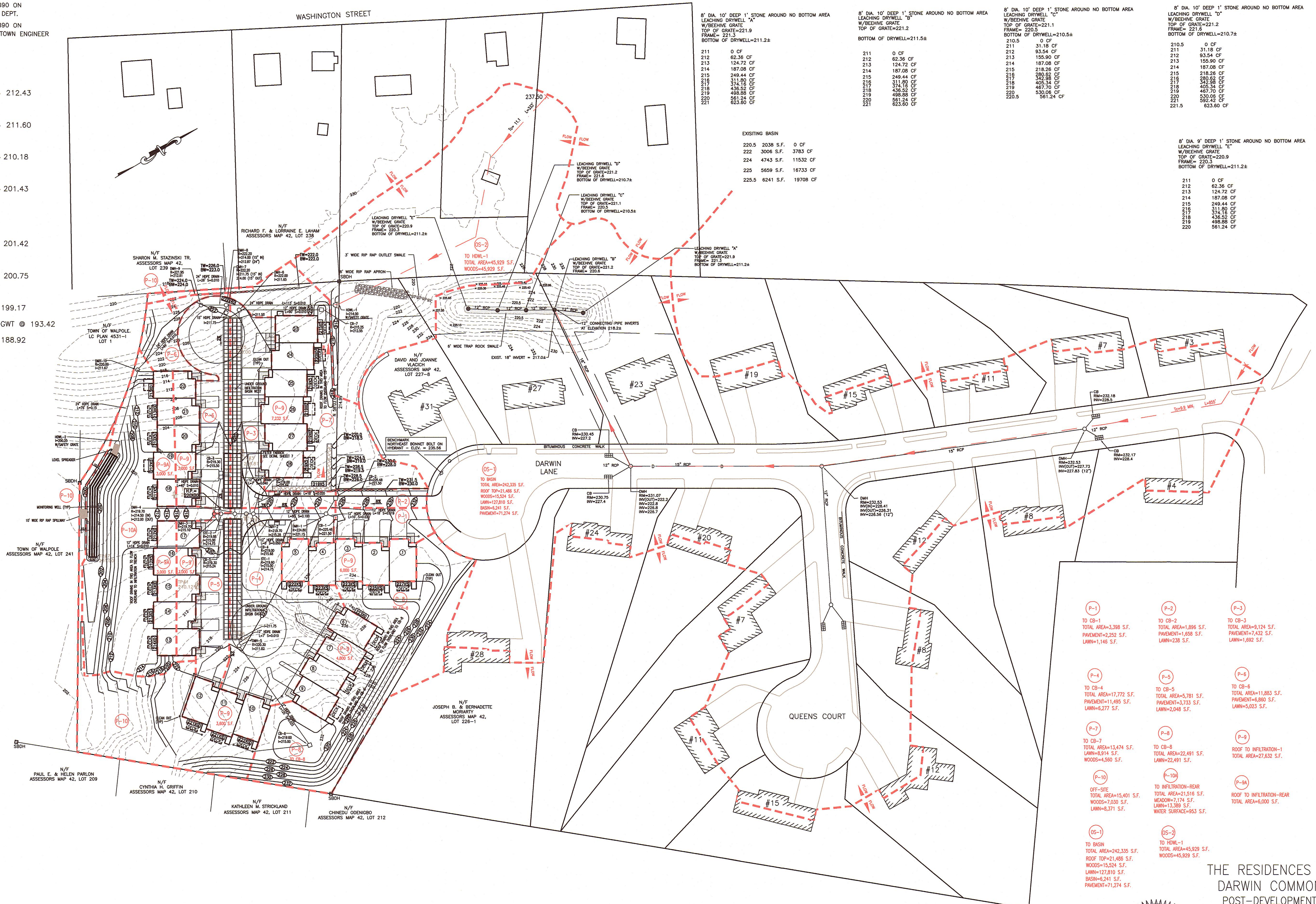
NO.	DATE	REVISION
1.	8/22/23	PER LOCAL REQUIREMENTS
2.	11/13/23	PER PEER REVIEW
3.	2/5/24	PER PEER REVIEW



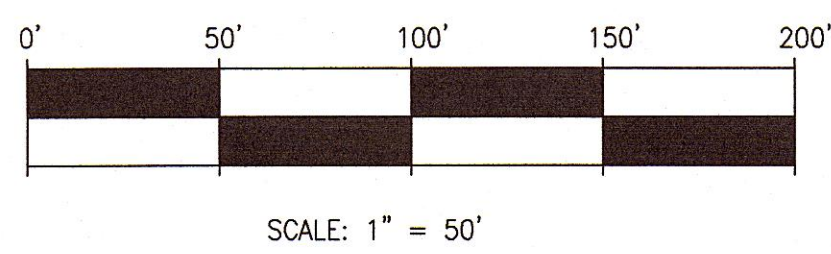


SOIL TESTING FOR TEST PITS 1-4 PERFORMED BY JOHN F. GLOSSA PE SE890 ON JUNE 8, 2023 AND WITNESSED BY CHRIS JOHNSON, WALPOLE ENGINEERING DEPT.  
 SOIL TESTING FOR TEST PITS 5-7 PERFORMED BY JOHN F. GLOSSA PE SE890 ON NOVEMBER 13, 2023 AND WITNESSED BY CARL BALDUF PE, PLS, WALPOLE TOWN ENGINEER

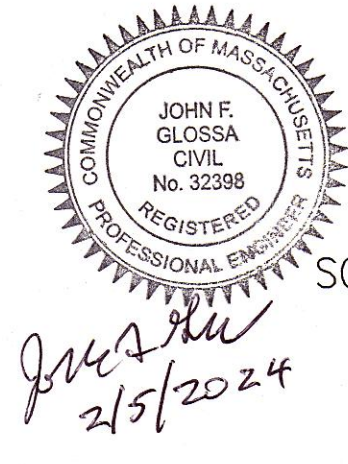
TEST PIT # 1		TEST PIT # 2	
0"	A SANDY LOAM 10YR 3/2	0"	A SANDY LOAM 10YR 3/2
10"	B LOAMY SAND 10 YR 5/8	10"	B LOAMY SAND 10YR 5/8
29"	C SAND 2.5Y 5/4	27"	C SAND 2.5Y 5/4
120"	NO REFUSAL NO MOTTLING NO WEeping AT 66"	132"	NO REFUSAL NO MOTTLING NO WEeping AT 48"
TEST PIT # 3		TEST PIT # 4	
0"	A SANDY LOAM 10YR 3/2	0"	A SANDY LOAM 10YR 3/2
8"	B LOAMY SAND 10YR 5/8	8"	B LOAMY SAND 10YR 5/8
27"	C SAND 2.5Y 5/4	27"	C SAND 2.5Y 5/4
132"	NO REFUSAL NO MOTTLING NO WEeping	150"	NO REFUSAL NO MOTTLING NO WEeping
TEST PIT # 5		TEST PIT # 6	
0"	A SANDY LOAM 10YR 3/2	0"	A SANDY LOAM 10YR 3/2
8"	B SANDY LOAM 10YR 5/8	11"	B SANDY LOAM 10YR 5/8
24"	C SAND 2.5Y 5/4	40"	C SAND 2.5Y 5/4
185"	NO REFUSAL NO MOTTLING NO WEeping	168"	NO REFUSAL NO MOTTLING NO WEeping
TEST PIT # 7			
0"	A SANDY LOAM 10YR 3/2	0"	
12"	B SANDY LOAM 10YR 5/8	12"	
33"	C SAND 2.5Y 5/4	33"	
132"	NO REFUSAL NO MOTTLING NO WEeping		



8' DIA. 10' DEEP 1' STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "A" W/BEEHIVE GRATE TOP OF GRATE=221.9 FRAME= 221.3 BOTTOM OF DRYWELL=211.2±		8' DIA. 10' DEEP 1' STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "B" W/BEEHIVE GRATE TOP OF GRATE=221.2 FRAME= 221.5 BOTTOM OF DRYWELL=211.5±		8' DIA. 10' DEEP 1' STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "C" W/BEEHIVE GRATE TOP OF GRATE=221.1 FRAME= 220.5 BOTTOM OF DRYWELL=210.5±		8' DIA. 10' DEEP 1' STONE AROUND NO BOTTOM AREA LEACHING DRYWELL "D" W/BEEHIVE GRATE TOP OF GRATE=221.2 FRAME= 221.8 BOTTOM OF DRYWELL=210.7±	
211	0 CF	211	0 CF	211	0 CF	211	0 CF
212	62.36 CF	212	62.36 CF	212	62.36 CF	212	62.36 CF
213	124.72 CF	213	124.72 CF	213	124.72 CF	213	124.72 CF
214	187.08 CF	214	187.08 CF	214	187.08 CF	214	187.08 CF
215	249.44 CF	215	249.44 CF	215	249.44 CF	215	249.44 CF
216	311.80 CF	216	311.80 CF	216	311.80 CF	216	311.80 CF
217	374.16 CF	217	374.16 CF	217	374.16 CF	217	374.16 CF
218	436.52 CF	218	436.52 CF	218	436.52 CF	218	436.52 CF
219	498.88 CF	219	498.88 CF	219	498.88 CF	219	498.88 CF
220	561.24 CF	220	561.24 CF	220	561.24 CF	220	561.24 CF
221	623.60 CF	221	623.60 CF	221	623.60 CF	221	623.60 CF



NO.	DATE	REVISION
1.	8/22/23	PER LOCAL REQUIREMENTS
2.	11/13/23	PER PEER REVIEW
3.	2/5/24	PER PEER REVIEW



THE RESIDENCES AT  
 DARWIN COMMON  
 POST-DEVELOPMENT  
 WATERSHED  
 PLAN OF LAND  
 IN  
 WALPOLE, MA  
 SCALE: 1"=50' JUNE 5, 2023  
 GLOSSA ENGINEERING, INC.  
 46 EAST ST  
 EAST WALPOLE, MA 02032  
 (508) 668-4401

P-1 TO CB-1 TOTAL AREA=3,398 S.F. PAVEMENT=2,252 S.F. LAWN=1,146 S.F.	P-2 TO CB-2 TOTAL AREA=1,896 S.F. PAVEMENT=1,658 S.F. LAWN=238 S.F.	P-3 TO CB-3 TOTAL AREA=5,124 S.F. PAVEMENT=7,432 S.F. LAWN=1,692 S.F.
P-4 TO CB-4 TOTAL AREA=17,772 S.F. PAVEMENT=11,405 S.F. LAWN=6,277 S.F.	P-5 TO CB-5 TOTAL AREA=5,781 S.F. PAVEMENT=3,733 S.F. LAWN=2,048 S.F.	P-6 TO CB-6 TOTAL AREA=11,883 S.F. PAVEMENT=8,880 S.F. LAWN=5,023 S.F.
P-7 TO CB-7 TOTAL AREA=13,474 S.F. PAVEMENT=9,914 S.F. LAWN=4,560 S.F.	P-8 TO CB-8 TOTAL AREA=22,491 S.F. PAVEMENT=15,500 S.F. LAWN=6,991 S.F.	P-9 TO CB-9 ROOF TO INFILTRATION-1 TOTAL AREA=27,632 S.F.
P-10 OFF-SITE TOTAL AREA=15,401 S.F. WOODS=7,030 S.F. LAWN=8,371 S.F.	P-10A TO INFILTRATION-REAR TOTAL AREA=21,516 S.F. WOODS=11,174 S.F. LAWN=13,399 S.F. WATER SURFACE=693 S.F.	P-9A ROOF TO INFILTRATION-REAR TOTAL AREA=6,000 S.F.
OS-1 TO BASIN TOTAL AREA=242,335 S.F. ROOF TOP=21,486 S.F. WOODS=15,524 S.F. LAWN=127,810 S.F. BASIN=6,241 S.F. PAVEMENT=71,274 S.F.	OS-2 TO HOLE-1 TOTAL AREA=45,929 S.F. WOODS=45,929 S.F.	