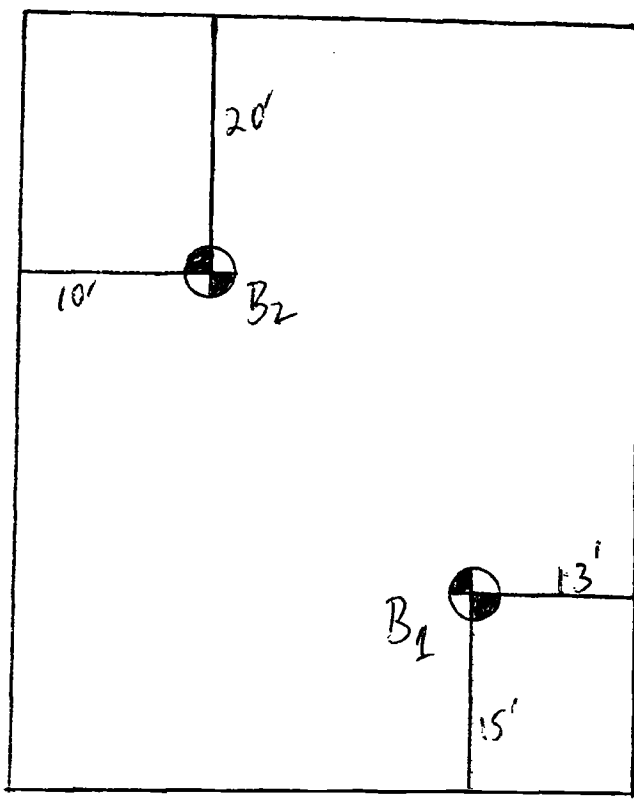


BORING B-1					
DEPTH FT.		SPOON BLOW PER 12 FT.		HOLLOW-STEM AUGER	MATERIAL
GROUND SURFACE					
5.0	1	2			Topsoil with fill material. (11-65)
10.0	3	5			Medium to fine brown sand with traces of silt. (7-65) SP
	2	4			
15.0	6	5			Medium to fine brown sand with traces of silt. (7-65) SP
	8	4			
20.0	8	9			Medium to fine brown sand with traces of silt. (7-65) SP
	9	8			
25.0	8	10			Medium to fine brown sand with traces of silt. (7-65) SP
	9	10			
30.0	11	13			Medium to fine brown sand with traces of silt. (7-65) SP
	9	12			
35.0	12	15			Medium to fine brown sand with traces of silt. (7-65) SP
	13	10			End of Hole 32'

BORING B-2						
DEPTH FT.	SPOON BLOW PER 12 FT.		HOLLOW STEM AUGER		MATERIAL	
GROUND SURFACE						
	1	1			Fine brown sand with topsoil and traces of silt. (11-65)	
5.0						
	4	3			Medium to fine brown sand with traces of silt. (7-65) SP	
10.0	6	5				
	8	3			Medium to fine brown sand with traces of silt. (7-65) SP	
15.0	5	3				
	6	8			Medium to fine brown sand with traces of silt. (7-65) SP	
20.0	5	8				
	9	8			Medium to fine brown sand with traces of silt. (7-65) SP	
25.0	10	10				
	12	10			Medium to fine brown sand with traces of silt. (7-65) SP	
30.0	13	10				
	11	13			Medium to fine brown sand with traces of silt. (7-65) SP	
35.0	12	15			End of Hole 32'	

SB-2368 R
Boring report was updated for filling purpose only. Original borings was performed on 06-28-08.

B-2 PERCOLATION TEST RESULTS	
TIME (MINUTES)	DROP IN WATER LEVEL (FEET)
1	1.5
5	3.0
10	4.5
15	6.0
30	7.5
45	9.0
60	10.5



MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES					
1	2	3	4						
COARSE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	GRAVELS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 4 SIEVE SIZE	GW	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.					
				POORLY GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.					
		GM	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURE.					
				CLAYEY GRAVELS, GRAVEL SAND-CLAY MIXTURES.					
		SW	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.					
	SANDS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 4 SIEVE SIZE			POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.					
	SM	SM	SILTY SANDS, SAND-SILT MIXTURES.						
			CLAYEY SANDS, SAND-CLAY MIXTURES.						
	ML	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.						
			INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.						
FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS & CLAYS LIQUID LIMIT IS LESS THAN 50	OL	OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY.					
				INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS.					
		CH	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.					
				ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS.					
		PI	PI	PEAT AND OTHER HIGHLY ORGANIC SOILS.					
	SILTS & CLAYS LIQUID LIMIT IS GREATER THAN 50	ML	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.					
				INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.					
		CH	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.					
				ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS.					
		PI	PI	PEAT AND OTHER HIGHLY ORGANIC SOILS.					
ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE C26-1103									
CLASS OF MATERIAL	DESCRIPTION		ALLOWABLE BEARING TONS/SQ. FT.						
1-65	HARD SOUND ROCK		60						
2-65	MEDIUM HARD ROCK		40						
3-65	INTERMEDIATE HARD ROCK		20						
4-65	SOFT ROCK		8						
5-65	HARD PAN		4-10						
6-65	GRAVEL AND SOILS (SOIL GROUPS GW, GP, GM & GC AND GROUPS SW, SP & SM CONTAINING MORE THAN 10% GRAVEL)		3-6						
7-65	SANDS (OTHER THAN FINE SANDS) (SOIL GROUPS SW, SP & SM BUT CONTAINING NOT MORE THAN 10% GRAVEL)		2-4						
8-65	FINE SAND		(5 MAX)						
9-65	CLAYS AND CLAY SOILS (SOIL GROUPS SC, CL & CH)		(2 MAX)						
10-65	SILTS AND SILT SOILS (SOIL GROUPS ML & MH)		3						
11-65	NORMALLY UNSATISFACTORY BEARING MATERIALS		BY TEST						
COMPACTION RELATED TO SPOON BLOWS PER FOOT									
SAND		SILT & CLAY							
LOOSE	15 OR LESS	SOFT	10 OR LESS						
MEDIUM	15 TO 30	MEDIUM	11 TO 20						
DENSE	40 OR MORE	HARD	30 OR MORE						
SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS. SOIL DESCRIPTIONS ARE IN ACCORD WITH THE UNIFIED SOILS CLASSIFICATION SYSTEM AND N.Y.C. BUILDING CODE C26-1103. GROUND WATER WAS MEASURED INSIDE THE DRILL CASING OR HOLLOW AUGER AT THE COMPLETION OF EACH BOREHOLE. ALL BORING ELEVATIONS ARE REFERENCED TO EXISTING GROUND LEVEL AS ZERO ELEVATION.									
"N"		STANDARD PENETRATION TEST (2" SPOON, 140 LB HAMMER, 30" FALL)							
N = 17 BLOWS PER FOOT		SPOON BLOW COUNT IS GENERALLY SHOWN IN 8" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (IN USE THE 2ND & 3RD 8" INCREMENT)							
THIS REPORT IS SUBMITTED WITH THE SPECIFIC UNDERSTANDING THAT THE SOLE LIABILITY OF A-1 TESTING LABORATORIES, INC. ITS ENGINEERS AND EMPLOYEES FOR ERRORS AND OMISSIONS IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE USE OF THIS REPORT SHALL CONSTITUTE NO GUARANTEE BY THE CLIENT OF THE DISCLOSURE OF THE FEE CHARGES FOR THIS REPORT IS PRECATED UPON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT. IF THESE TERMS ARE NOT ACCEPTABLE, CLIENT MUST NOTIFY A-1 TESTING LABORATORIES, INC. IN WRITING BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED, WITHIN FIVE (5) DAYS. A-1 TESTING LABORATORIES, INC. ITS ENGINEERS AND EMPLOYEES DO NOT ACCEPT ANY LIABILITY OR RESPONSIBILITY FOR PERSONS OTHER THAN THE CLIENT FOR WHOM THIS WORK WAS OBJECTIVELY PREPARED AND ANY SUCH PERSON, FIRM OR CORPORATION RELIES ON THIS REPORT AT HIS OWN RISK. NOTE: ALL THE FIELD SAMPLES WILL BE HELD 10 DAYS FROM THE DATE OF THIS REPORT IN OUR LABORATORY UNLESS OTHERWISE DIRECTED BY THE CLIENT IN WRITING.									
TYPE OF CORE BARRELS AND DIAMOND BITS:									
SIZE	O.D.	CORE DIAMETERS							
AX	1-7/8"	1-3/8"							
BX	2-3/8"	1-5/8"							
NX	2-1/8"	2-3/8"							
AXM	1-7/8"	1-3/8"							
NXM	2-1/8"	2-3/8"							
B	2"	1-5/8"							
WEIGHT OF HAMMERS:									
300 LBS. ON 2 1/2" CASING - 18" DROP									
140 LBS. ON 2" SPOON - 30" DROP									
SPOON - SPLIT SAMPLER - 2" O.D. - 1 1/8" I.D. (24" LONG)									
GROUND WATER TABLE (G.W.T.): AS NOTED ON BORING LOGS, IS ONLY THE FIRST INDICATION OF WATER ENCOUNTERED BY OUR DRILLERS.									
A-1 TESTING LABORATORIES, INC. subsoil investigations									
107-16 JAMAICA AVE. • PHONE (718)-441-5009 • RICHMOND HILL, NY 11418									
CLIENT: Festive Homes									
PROJECT LOCATION: 793 Autumn Avenue, Brooklyn.									
DATES OF BORINGS:	DRAWING DATE:	DRAWING NUMBER	SHEET 1 OF 1						
09-12-12	09-12-12	SB-2368 R							