

May 26, 2010

Report of Engineering Evaluation For: In Site Design Group  
Project: Proposed Residential Additions  
Location: 1128 North Lake Drive  
Hollywood, Florida

Dear Ms. Carruthers:

As per your request we initiated the subsoil investigation at the referenced project on May 21, 2010. The field portion of our investigation consisted of 2 standard penetration test boring conducted to a maximum depth of 30 feet below the existing surface. We are herein submitting the results of our findings.

A review of our boring logs shows that beneath the surface the upper level of subsoils are comprised of very loose dark brown organic silty clay to a depth of +/-6.0 to +/-8.0 feet below the existing surface grade elevation. Underlying this layer of compressible organic silt was a layer of gray calcareous silty marl to a depth of +/- 9.0 feet. Underlying this layer of marl was a layer of tan limerock with some fine grained sand. This limerock strata was very dense and offered field refusal conditions which terminated our first boring at a depth of 8.0 feet. This limerock strata extended past the terminal depth of our investigation which was 30.0 feet. The natural ground water level was found to exist at an elevation of +/-3.0 feet beneath the existing ground surface.

#### FOUNDATION RECOMMENDATIONS

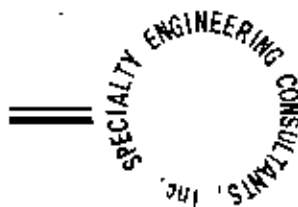
Due to the extensive deposits of silt we recommend that the foundation wall be supported on a system of micro piling. We considered both helical piers and steel pin piling to support the proposed foundations. It is our opinion that helical piers are not suited for this project because the upper level of the limestone strata is so dense that the helicals may not penetrate and achieve the required bearing.

#### STEEL PIN PILING

The pin piling should be installed until refusal conditions are encountered. We anticipate that these pin piling will reach this condition at approximately +/- 18 to 23 feet. The terminal depth of the piling will depend upon the density of the underlying soil stratum and may vary from our estimate.

We recommend that these piling have a minimum wall thickness equivalent to schedule 80. The sections of the piling should be welded to the outer collars to insure the structural stability of the piling. Once the piling are installed they may be filled with 3000 psi concrete and attached to the pilecaps with either embedded reinforcing, or top plates. This decision and detail is the responsibility of the project structural engineer.

The piling should be installed with a pneumatic jack hammer capable of providing 300 ft. # of energy per blow to the piling at a rate of 1100 blows/min. Refusal conditions are determined with less than 1 inch of movement in 1 minute of driving. Piling installed in accordance with these recommendations will provide an allowable compressive capacity of 5 tons. Pin piles provide no tension or lateral capacity.



### The Standard Penetration Test ASTM D-1586

The Standard Penetration Test is the most commonly employed tool utilized to identify in-situ subsurface soil conditions. The "N" values obtained from the boring provide an accurate estimation of internal soil characteristics such as relative density, internal shear strength, angle of internal friction, and the approximate range of the soil's unit weight. These "N" values represent the resistance of a 2 inch diameter split spoon sampler driven by a 140 pound hammer free falling 30 inches. Each drive of the 24 inch long split spoon is divided into four six inch increments. The second and third increments are totaled to produce the "N" value found on your report.

The Standard Penetration Test also allows for the recovery of soil samples which are returned to our laboratory and visually examined and classified. The SPT samples are available for laboratory testing if requested. Samples are generally held for 90 days unless otherwise directed by the client.

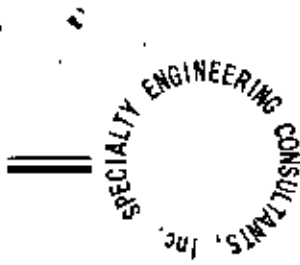
An approximate ground water table is obtained from the borehole upon completion of the drilling procedures. This water table is useful in the general evaluation of particular soil conditions, and may give the contractor some insight into what can be anticipated during construction. It should be noted that the ground water level will fluctuate seasonally. This level may also be affected by local drawdowns, soil conditions, and the watersheds contribution to the underlying aquifer. It should not be construed to be a measure of the soils permeability, or of the dewatering characteristics of the site.

Although the standard penetration test is one of the most reliable methods used to identify soil characteristics and types, it may only represent a small fraction of the materials actually deposited at the site. As is common industry practice, we have assumed a uniformity of profile between borings to provide a subsoil profile for engineering purposes. This profile is strictly based on the data obtained from the borings, and if unusual or varying conditions are found we should be notified immediately.

A test is expressly representative of the immediate location tested, and the reliability of the conclusions are a direct result of the quantity of tests performed. Any variation in location may reveal similarly some changes in the depth, thickness, texture, and conditions of the stratum encountered.

Unless specifically stated otherwise, and specifically directed and prearranged by the client, all elevations are taken with respect to the existing ground surface at the time of testing. Boring locations are usually obtained in the field by pacing off distances and approximating right angles to landmarks and property corners. More precise locations may be obtained from on site surveys and placement of the boring locations by a Land Surveyor, Registered in the State of Florida. These services are provided at additional costs and are beyond the scope of this report.

The data presented herein was obtained for the specific purposes stated in this report, and should not be misconstrued to apply to any other circumstance, project, or ancillary use unless so specified and addressed by the engineer of record.



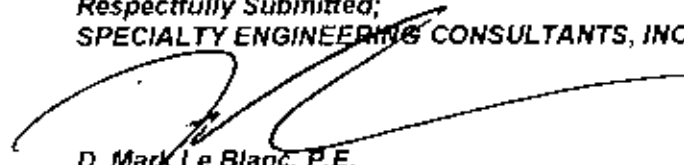
## SPECIALTY ENGINEERING CONSULTANTS, Inc.

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*Dade • Broward • Palm Beach*

*Thank you for using SPECIALTY ENGINEERING CONSULTANTS, INC. for your geotechnical needs. Should you need further assistance with this or any other project, please contact this office.*

*Respectfully Submitted;*  
**SPECIALTY ENGINEERING CONSULTANTS, INC.**




**D. Mark Le Blanc, P.E.**  
State of Florida #35683  
Special Insp. No. 1177  
\\Spec\server\Generals\SP\10markheilcal pln.wpd

<b>SPECIALTY ENGINEERING CONSULTANTS, INC.</b> 1599 SW 30TH AVE, SUITE 20 BOYNTON BEACH, FLORIDA 33426 (561) 752-5440* FAX (561) 752-5542	
<b>TEST BORING REPORT</b>	
LABORATORY NUMBER: 2103177 A	BORING NUMBER: 1
CLIENT: In Site Design Group	DRILLER: ECT
PROJECT: Sullivan Residence	DRILL RIG: F-350
PROJECT LOCATION: 1128 North Lake Drive, Hollywood	DATE OF BORING: 5/21/2010
BORING LOCATION: Approx. 8' N & 20' W of the existing NE building corner	
GROUND WATER: 3.0'	ELEVATION: Unfurnished Below Existing Grade

DEPTH FEET	SAMPLE NUMBER	VISUAL SOIL CLASSIFICATION	N VALUES	BLOWS ON SAMPLER	
1	1	Dark brown organic silty clay, little roots, (PL) 0.0-6.0'		2	2
2			4	2	2
3				1	1
4			2	1	1
5				2	1
6			2	1	8
7	2	Brown limerock fragments, some marl 6.0-8.0'		30	20
8			70	50	150+
9		BOTTOM OF BORING @ 8.0 FEET - REFUSAL			
10					
11					
12					
13					
14					
15					
16					

SOIL INVESTIGATIONS AND SAMPLING BY AUGER BORINGS - ASTM D 1452 OR STANDARD PENETRATION TEST BORINGS - ASTM D 1586  
THE ABOVE TEST BORING WAS CONDUCTED IN GENERAL ACCORDANCE WITH ASTM DESIGNATION D 1586. THE SAMPLES  
COLLECTED CONSTITUTE A SMALL PERCENTAGE OF THE SUBSOILS AT THE SITE. THE SOILS WILL BE STORED IN OUR FACILITIES FOR A  
MAXIMUM OF 3 MONTHS. THE OWNER, ARCHITECT OR ENGINEER IS ENCOURAGED TO VISUALLY INSPECT THESE SAMPLES.  
THE INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE SPECIFIC PROJECT AND PURPOSE.  
LOCATIONS WERE APPROXIMATED IN THE FIELD USING PACE DISTANCES UNLESS SPECIFICALLY STATED OTHERWISE.

RESPECTFULLY SUBMITTED  
SPECIALTY ENGINEERING CONSULTANTS, INC.


  
D. MARK Le BLANC, P.E.  
FLA. REG. NO. 35683  
SP. IN. #1177



1599 SW 30TH AVE, SUITE 20  
BOYNTON BEACH, FLORIDA 33426  
(561) 752-5440\* FAX (561) 752-5542

<b>LABORATORY NUMBER:</b> 2103177 B		<b>BORING NUMBER:</b> 2	
<b>CLIENT:</b> In Site Design Group		<b>DRILLER:</b> ECT	
<b>PROJECT:</b> Sullivan Residence		<b>DRILL RIG:</b> F-350	
<b>PROJECT LOCATION:</b> 1128 North Lake Drive, Hollywood		<b>DATE OF BORING:</b> 5/21/2010	
<b>BORING LOCATION:</b> Approx. 8' N & 4' E of the existing NW building corner			
<b>GROUND WATER:</b> 3.0'		<b>ELEVATION:</b> Unfurnished Below Existing Grade	

SOIL INVESTIGATIONS AND SAMPLING BY AUGER BORINGS ASTM D 1586 OR STANDARD PENETRATION TEST BORINGS ASTM D 1586  
THE ABOVE TEST BORING WAS CONDUCTED IN GENERAL ACCORDANCE WITH ASTM DESIGNATION D 1586. THE SAMPLES  
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MAXIMUM OF 3 MONTHS. THE OWNER, ARCHITECT OR ENGINEER IS ENCOURAGED TO VISUALLY INSPECT THESE SAMPLES.  
THE INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE SPECIFIC PROJECT AND PURPOSE.  
LOCATIONS WERE APPROXIMATED IN THE FIELD USING MEASURED DISTANCES UNLESS SPECIFICALLY STATED OTHERWISE.

  
D. MARK Le BLANC, P.E.  
FLA. REG. NO. 35683  
SP. IN. #1177

# SPECIALTY ENGINEERING CONSULTANTS, INC.

100 SW 30TH AVE. SUITE 20  
 MIAMI BEACH, FLORIDA 33426  
 (561) 752-5440 \* FAX (561) 752-5542

## BORING REPORT

BORING NUMBER: 2  
 DRILLER: E  
 DRILL RIG: F  
 DATE OF BORING: 5


LABORATORY NUMBER: 177 C  
 CLIENT: Sullivan Design Group  
 PROJECT: Sullivan Residence  
 PROJECT LOCATION: 28 North Lake Drive, Hollywood  
 BORING LOCATION: approx. 8' N & 4' E of the existing NW building corner  
 GROUND ELEVATION: 1.0' Below Existing Ground

DEPTH FEET	SAMPLE NUMBER	VISUAL SOIL CLASSIFICATION	N VALUES	BLOWS ON FEET
17				14
18			22	11
19				8
20			30	19
21				17
22			18	9
23				9
24			18	7
25				13
26			16	6
27				4
28			13	
29				
30			19	

BOTTOM OF BORING @ 30.0 FEET

TEST BORING WAS CONDUCTED IN GENERAL ACCORDANCE WITH ASTM DESIGNATION D 1586-01 STANDARD PENETRATION TEST METHOD FOR SOILS.  
 TEST BORING WAS CONDUCTED IN GENERAL ACCORDANCE WITH ASTM DESIGNATION D 1586-01 STANDARD PENETRATION TEST METHOD FOR SOILS.  
 INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE SPECIFIC PROJECT AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.  
 INFORMATION CONTAINED HEREIN IS PROVIDED FOR THE SPECIFIC PROJECT AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

RESPECTFULLY SUBMITTED  
 SPECIALTY ENGINEERING CONSULTANTS, INC.

  
 D. MARK Le BLANC, P.E.  
 FLA. REG. NO. 35683  
 SP. IN. # 1177



## ENGINEERING & TESTING, INC.

Phone: (866) 781-6889 • Fax: (866) 784-8550  
www.floridaengineeringandtesting.com  
250 S.W. 13<sup>th</sup> Avenue  
Pompano Beach, FL 33069

October 28, 2011

Job Order No.: 11-2534

Permit No.:

Nationwide Pools, Inc.  
1923 N.W. 40<sup>th</sup> Court  
Pompano Beach, Florida 33064

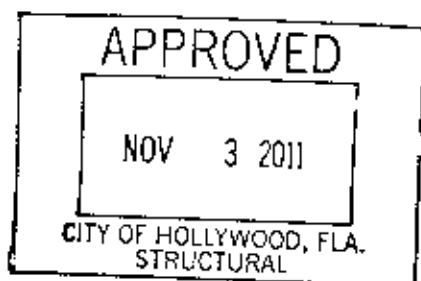
**RE: Foundation Bearing Capacity Certification**  
Proposed Swimming Pool  
Sullivan Residence  
1128 N. Northlake Drive  
Hollywood, Florida

**Dear Sir or Madam:**

In accordance with your request, we have observed the general site conditions for the above reference construction area(s). The site consists of naturally occurring soils and/or added fill and is sufficiently free of deleterious materials. We have performed density tests, last test dated October 25, 2011, on the above mentioned soils as applicable.

Based on our observations and the above mentioned tests, site preparation procedures were in general accordance with the specifications set forth by the latest edition of the Florida Building Code Chapter 18 as it pertains to the High Velocity Hurricane Zone, and ASTM Standards. The procedures also comply with the approved plans, specifications, county/municipality codes, and our foundation recommendations as described in the subsoil investigation report dated September 9, 2011.

Based on the above mentioned observations and tests/reports, this letter certifies that the construction area(s) can provide the design pressure of 2,000 psf (pounds per square foot). If the proposed swimming pool is designed for 2,000 psf, then the construction area(s) will support the foundation without settlement detrimental to the structure placed upon it.



Sincerely,

*Reza Javidan*  
10/28/11

Reza Javidan, P.E.  
Florida Engineering & Testing, Inc.  
Florida Reg. No. 60223  
Certificate of Authorization No. 6923



**FLORIDA****ENGINEERING & TESTING, INC.**

Phone: (866) 781-6889 • Fax: (866) 784-8550  
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Pompano Beach, FL 33069

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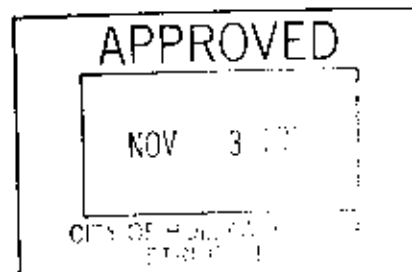
**RE: SITE INSPECTION**  
Proposed Swimming Pool  
Sullivan Residence  
1128 N. Northlake Drive  
Hollywood, Florida

**Dear Sir or Madam:**

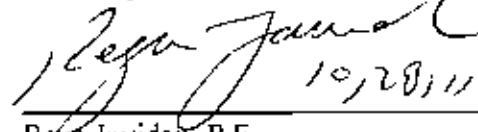
Pursuant to your request, Florida Engineering & Testing, Inc. has performed a site inspection on October 17 & 18, 2011, at the above referenced project site. The purpose of our inspection was to verify the proper removal of organic and unsuitable materials from the proposed swimming pool area.

The above referenced areas have been properly excavated of all organic and unsuitable materials and are ready for backfilling.

Florida Engineering & Testing, Inc. appreciates the opportunity to be of service to you at this phase of your project. If you have any questions or comments, please give us a call. We would be please to help any way we can. It has been a pleasure working with you and look forward to doing so in the near future.



Sincerely,



Reza Javidan, P.E.

Florida Engineering &amp; Testing, Inc.

Florida Reg. No. 60223

Certificate of Authorization No. 6923



## REPORT OF FIELD COMPACTION TESTS

DATE: 10/25/11 ORDER NO: 11-2534 PERMIT NO. \_\_\_\_\_

CLIENT: Nationwide Pools, Inc. \_\_\_\_\_

ADDRESS: 1923 N.W. 40<sup>th</sup> Court Pompano Beach, Florida 33064

PROJECT: Proposed Swimming Pool Sullivan Residence

ADDRESS: 1128 N. Northlake Drive Hollywood, Florida

MATERIAL DESCRIPTION: Aggregate Fill

PROCTOR VALUE (PCF): — OPTIMUM MOISTURE (%): —

% COMPACTION REQ'D BY SPECS: 95 LABORATORY NO: P----

NUCLEAR GAUGE SERIAL #: ☐ 29793 (Model 3440) ☐ 533 (Model 3450) ☐ 20500 (Model 3440)PROCTOR METHOD: ☐ ASTM D-1557 ☐ ASTM-D698 ☐ AASHTO T-180 ☐ AASHTO T-99

## ATSM D 6938 METHOD A\*

Test #	Location	Lift	Elev./ Depth of Test	Dry Density (PCF)	Penetru-meter Readings	Moisture (%)	Percent Compaction (%)	Pass/ Fail
1	Deep End of Pool	Pool Pad	-5' to -6'	---	70+	---	>95'	P
2	Center of Pool	Pool Pad	-4' to -5'	---	70+	---	>95'	P
3	Shallow End of Pool	Pool Pad	-3' to -4'	---	70+	---	>95'	P
4								
5								
6								
7								
8								
9								
10								

\* Compaction percentage estimated from cone penetrometer reading obtained with a Brainard-Kilman Model S-214 hand-held cone penetrometer.

REMARKS: \_\_\_\_\_

TESTED BY: P.N. CHECKED BY: P.T.

Notes:

\* Method A - Direct Transmission unless otherwise noted.

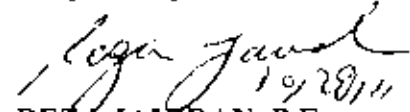
SG - Subgrade

TOB - Top of Base

SOG - Slab on Grade

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Respectfully submitted,



REZA JAVIDAN, P.E.

Florida Engineering &amp; Testing, Inc.

Florida Reg. No. 60223

Certificate of Authorization No. 6923



**FORM FOR "SPECIAL BUILDING INSPECTOR"**  
**SECTION 109.11 – BROWARD COUNTY ADMINISTRATIVE CODE**  
**AND THE 2007 FLORIDA BUILDING CODE**

**NOTICE TO PROPERTY OWNER:**

You are hereby directed in accordance with Section 109.11 of the Broward County Administrative Code and the Florida Building Code to retain a Special Structural Inspector (A Florida Registered Architect or Licensed Engineer) to perform the following mandatory or discretionary inspections, as outlined in Sections 109.11, 1822, 2122.4, R4407.5.4, 223.11.1, 1927.12.1, 1927.12.2, R4405.9.12.1, R4405.9.12.2 & R4408.5.2 & R4408.10.11 of the Florida Building Code and submit progress reports, inspections reports, and a Certificate of Compliance to the Building Official as per Sections 109.11.6 and 109.11.7 of the Florida Building Code.

**Note:** The Building Official determines which discretionary inspections are to be delegated.

DATE: 09/16/11 IDENTIFICATION, CONTROL OR BUILDING PERMIT # B11-101623  
PROJECT NAME: Proposed Swimming Pool - Sullivan Residence  
JOB ADDRESS: 1128 N. Northlake Drive ZIP: 33019  
LEGAL DESCRIPTION: \_\_\_\_\_ FOLIO #: \_\_\_\_\_

**A. MANDATORY INSPECTIONS TYPE BY CODE:**

- 1) Precast Concrete Units – Section 1927.12.1, R4405.9.12.1, 109.11.2.1.....Yes ☐ No ☐  
2) Precast Concrete Units – Section 1927.12.2, R4405.9.12.2, 109.11.2.1.....Yes ☐ No ☐  
3) Reinforced Unit Masonry – Section 2122.4, R4407.5.4, 109.11.2.2 (per ACI 530.1-05-Level B Quality Assurance)\*  
\*unless noted otherwise on plan.....Yes ☐ No ☐  
4) Connections – Section 2218.2, 109.11.2.3.....Yes ☐ No ☐  
5) Metal Systems Building – Section 2223.11.1, 109.11.2.4.....Yes ☐ No ☐

**B. DISCRETIONARY INSPECTION TYPE BY BUILDING OFFICIAL:**

- 1) Building Structures or part thereof of Unusual Size, Height, Design or Method of Construction and  
Critical Structural Connections – Section 109.11.1.1.....Yes ☐ No ☐  
2) Windows, Glass Doors and Curtain Walls on buildings over two (2) stories – Section 109.11.1.1.....Yes ☐ No ☐  
3) Pile Driving Only – Sections 1822, R4404.13, 109.11.3.....Yes ☐ No ☐  
4) Precast Concrete Units – Section 1822, R4404.13, 109.11.5.....Yes ☐ No ☐  
5) Reinforced Unit masonry – Sections 2122.4, R4407.5.4, 109.11.3, 109.11.5.....Yes ☐ No ☐  
6) Other: Excavation Monitoring & Soil Compaction.....Yes ☒ No ☐

**C. MANDATORY DOCUMENTATION**

- 1) Inspection schedule stating the specific inspection that will be made and at what phase of construction must be submitted with this application.  
2) Progress Report/Inspection reports during construction in accordance with Section 109.11.6.  
3) Certificate of Compliance must be submitted prior to the scheduling of the final building inspection, Section 109.11.7.

**ACKNOWLEDGMENT**  
Owner's Signature: [Signature] Permit Holder's Signature: [Signature]  
Printed Name: Peter Sullivan Printed Name: Keith Stuart  
License # (if applicable) CPCL457011

**SPECIAL BUILDING INSPECTOR:**

☐ Registered Architect and/or ☒ Licensed Engineer Signature of Special Building Inspector, Embossed Seal & Date  
Printed Name of Special Inspector Reza Javidan, P.E. [Signature] 9/16/11  
Address of Special Inspector 250 S.W. 13<sup>th</sup> Avenue Pompano Beach, Florida 33069  
State of Florida Registration # 60223 Fax # 954-784-8550 Telephone # 954-781-6889  
Date: \_\_\_\_\_  
Building Official (or designated representative) \_\_\_\_\_

\*\*\*BE ADVISED THIS DOES NOT PRECLUDE YOU FROM OTHER MANDATORY INSPECTIONS IN THE CODE\*\*\*  
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**ENGINEERING & TESTING, INC.**

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www.floridaengineeringandtesting.com  
250 S.W. 13<sup>th</sup> Avenue  
Pompano Beach, FL 33069

**REPORT OF  
GEOTECHNICAL EXPLORATION**

**FOR:**

**Peter Sullivan  
1128 N. Northlake Drive  
Hollywood, Florida 33019**

**PREPARED FOR:**

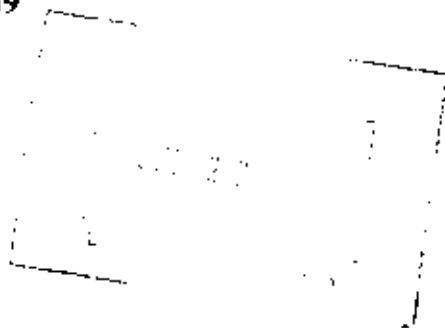
**Proposed Swimming Pool @ Existing Pool Location  
1128 N. Northlake Drive  
Hollywood, Florida 33019**

**PREPARED BY:**

**Florida Engineering & Testing, Inc.  
250 S.W. 13<sup>th</sup> Avenue  
Pompano Beach, Florida 33069  
(954) 781-6889**

**ON:**

**September 9, 2011**



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- V.) MAP OF SUBJECT SITE**
- VI.) GENERAL NOTES**
  - **KEY CLASSIFICATIONS & SYMBOLS**
- VII.) LIMITATIONS OF LIABILITY**

## **DISCLAIMER**

Our report findings are based on present onsite soil conditions encountered. **It is imperative that you read our reports in their entirety and follow all recommendations as listed.** Failure to follow our recommendations, may result in delays and additional costs due to permitting agencies (Building Department, etc.) withholding a Certificate of Occupancy for your proposed structure(s).

All recommendations shall be followed in order to receive a final certification, which may include but not be limited to density testing per lift of fill material, demucking verifications, piling inspections. In addition, these reports are for foundation analysis only and shall not be used for excavating, backfilling, or pricing estimates.

**Please schedule us at least 24 hours in advance for all tests and inspections.** If you choose to use another engineering firm for further testing and inspections, it is your responsibility to ensure that they provide you with the proper certification in writing, as outlined in our report.





## ENGINEERING & TESTING, INC.

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250 S.W. 13<sup>th</sup> Avenue  
Pompano Beach, FL 33069

September 9, 2011

Job Order No.: 11-2136

Peter Sullivan  
1128 N. Northlake Drive  
Hollywood, Florida 33019

**RE: SUBSOIL INVESTIGATION**  
**Proposed Swimming Pool @ Existing Pool Location**  
**1128 N. Northlake Drive**  
**Hollywood, Florida 33019**

Dear Mr. Sullivan;

Pursuant to your request, Florida Engineering & Testing, Inc., has completed a subsoil investigation on September 7, 2011, at the above referenced site. The purpose of our investigation was to verify subsoil conditions relative to the new pool foundation preparation and design after the demolition and removal of the existing pool.

A total of one (1) SPT boring(s) was/were performed according to ASTM D-1586 down to a depth of twenty-five feet (25') below existing ground level (BEG.L.) (see attached field sketch for locations). The following is a general condition for the subject site:

Depth		Soil Descriptions
From	To	
0'0" - 2'0"		Brown Sand With Some Limerock Fragments
2'0" - 4'6"		Gray Sandy Silt
4'6" - 6'6"		Peat
6'6" - 25'0"		Tan Limestone With Some Sand

Groundwater table elevation was measured immediately at the completion of the boring(s) and was found at four feet two inches (4'2") BEGL. Fluctuation in water levels should be anticipated due to surface runoff, tidal influences, seasonal variations, varying ground elevation, construction dewatering and pumping activities in the area. Site contractor must familiarize themselves with site conditions in the event groundwater controls and dewatering is needed. The contractor shall make sure that groundwater levels on adjacent properties are not affected by the contractors dewatering activities. Specialty groundwater contractors shall be consulted for all work below the groundwater level.





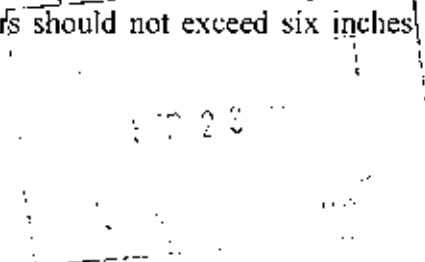
The boring log(s) attached present(s) a detailed description of the soils encountered at the test location(s). The soil stratification shown on the boring log(s) is based on the examination of the recovered soil samples and interpretation of the driller's field log(s). It indicates only the approximate boundaries between soil types. The actual transitions between adjacent soil types may be gradual.

Unsuitable organic & silty material was encountered at approximately two feet (2') down to six feet six inches (6'6") BEGL. All unsuitable silty organic material encountered must be removed prior to construction of the proposed pool on a shallow foundation system. This information is intended for foundation analysis only; it is not to be used for excavating, backfilling or pricing estimates. **Florida Engineering & Testing, Inc., shall be on-site to monitor the excavation of the organic material to ensure complete removal.**

Based on our understanding of the proposed structure and the information obtained from our field boring logs; we recommend the following procedures for shallow foundation preparation:

**Alternative I: Shallow Foundation System (After Excavation of Unsuitable Materials)**

- 1) Demolish the existing swimming pool and remove all the construction debris.
- 2) Locate the proposed new pool/spa and deck area, excavate and remove the layer of unsuitable organic and silty material down to limestone formation located at approximately six feet six inches (6'6") BEGL under all construction areas plus three feet (3') past the outer perimeter of the structure. To ensure proper removal of organic material dewatering the area is recommended.
- 3) All excavations shall maintain a minimum of 2 horizontal to 1 vertical (2:1) next to all foundations to prevent undermining of existing foundations. If the required slope recommendations cannot be maintained, then shoring of the existing foundations may be required to prevent undermining.
- 4) De-water the bottom of the excavation and compact with a vibratory roller to a minimum of 95% of the A.S.T.M. D-1557 modified proctor method. No compaction is required if limestone formation is exposed on the surface.
- 5) Backfill to proper pool bottom elevation if needed using a clean granular material placed in lifts not to exceed twelve inches (12") in thickness and compacted as per item 3.
- 6) Care should be taken when using vibration in case of existing structures in the vicinity of the construction area. If vibration cannot be used for compaction, static compaction may be applied. However, in this case, the compacted layers should not exceed six inches (6") in thickness.





- 7) All construction fill material shall be clean granular soil, free of organics or other deleterious material, and shall contain no more than ten (10) percent fines passing a U.S. Standard No. 200 sieve (0.075mm). In order to ensure that the soils at the bottom of the pool are stabilized we recommend that a six (6) inch layer of D.O.T. number 57 stone be placed at the bottom of the pool foundation.
- 8) Representative samples of the on-site and proposed fill material should be collected and tested to determine the classification and compaction characteristics.
- 9) Verify all densification procedures by taking an adequate number of field density tests in each layer of compacted material.
- 10) All Geotechnical work shall be performed under the supervision of a Geotechnical Engineer or his authorized representative.

Provided the above foundation recommendations are achieved and verified; it is our opinion that the proposed structure can be designed for a shallow foundation system with a permissible soil bearing pressure not to exceed 2,000 P.S.F. Bearing capacity certification requires satisfactory completion and verification of all the above foundation recommendations.

If applicable, provisions shall be made by the architect, engineer of record and contractor to address differential settlements when tying in new to existing structures. If applicable, the seawall structure should be inspected to verify the structural integrity and prevent undermining due to the piling installation or excavation operations. Care should be taken to avoid damaging seawall tiebacks.

**Alternative II: Deep Foundation System**

Deep foundation systems shall consist of one of the following alternatives after the existing swimming pool has been demolished and all construction debris removed:

Alternative Pile Foundation	Approximate Pile Depth	Size	Allowable Pile Capacity in Tons Compression	Allowable Pile Capacity in Tons Tension
Pin Piles	To Refusal	3 Inches	5 Tons	N/A
Type A or B Helical Piles	10' BEGL	3 Inches	10 Tons	N/A
Auger Cast Piles	18' BEGL	14 Inches	30 Tons	12 Tons

BGL - Below Ground Length



Estimated Lateral Load for a Pile Top Deflection of less than one (1) inch. The proposed pile length is based on the existing ground elevation at the time of drilling. Pile length may vary depending on proposed grade beam elevation and soil profile. The minimum center to center of piles or adjacent foundations shall be not less than twice the average diameter for round piles or 1 ¼ times the diagonal dimensions of rectangular piles, but in no case less than thirty (30) inches.

In the case of the pin, helical piles or auger cast piles, a minimum of two (2) piles shall be driven to determine production pile length. Helical piles shall consist of Atlas, Chance, Ingal, or equivalent manufacturer. Helical pile final bearing capacity is determined in the field based on final achieved torque as per proprietary manufacturer specifications and shall be placed under the supervision of our geotechnical engineer to verify achieved bearing capacities.

All piles shall be designed by a professional engineer and shall be placed under supervision of our Geotechnical Engineer to verify compliance with our recommendations. A licensed pile contractor shall be consulted to determine actual pile depth and capacity. All work shall be in accordance with local building code and (if required) coastal zone construction requirements. All work shall be conducted by an experienced Florida Licensed Specialty Piling Contractor. The grout used in the pile installation shall develop a minimum compressive strength of 4,000 PSI at 28 days.

In case of existing structures in the vicinity of the pile driving operation, care shall be taken not to create excessive vibration. Vibration levels shall be monitored to verify compliance with county regulations. Steps must be taken to prevent excessive vibrations. In the event excessive vibrations are experienced during construction, alternative driving methods shall be implemented (i.e.: predrilling, jetting, hydraulic push, etc.)

All slabs shall be designed as structural slabs spanning between supports and designed by a Florida Registered Structural Engineer and placed under the supervision of a Geotechnical Engineer to verify compliance with our recommendations.

If applicable, provisions shall be made by the architect, engineer of record and contractor to address differential settlements when tying in new to existing structures. If applicable, the seawall structure should be inspected to verify the structural integrity and prevent undermining due to the piling installation or excavation operations. Care should be taken to avoid damaging seawall tiebacks.

Regardless of the thoroughness of a Geotechnical exploration there is always a possibility that conditions may be different from those of the test location(s); therefore Florida Engineering & Testing, Inc., does not guarantee any subsoil condition surrounding the bore test hole(s). For a more accurate portrayal of subsurface conditions, the site contractor should perform test pits. The discovery of any site or subsurface conditions during construction which substantially deviate from the information in our subsoil investigation should be reported to us immediately for our evaluation. In accepting this report the client understands that all data from this soil boring report is intended for foundation analysis only and is not to be used for excavating, backfilling, or pricing estimates. The site contractor must familiarize themselves with the job site conditions prior to bidding.

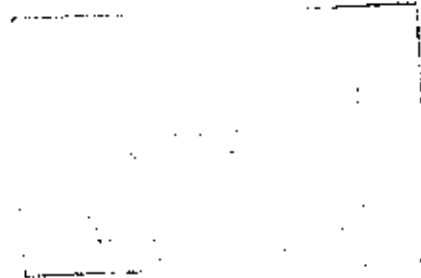


As mutual protection to clients, the public, and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions, or extracts from or regarding our reports is reserved pending our written approval. All work must be conducted under the supervision of our Geotechnical engineer. All work shall be conducted in compliance with the Florida Building Code FBC and OSHA workers protection rules and all applicable Federal, State, County and City rules and Regulations.

Florida Engineering & Testing, Inc., appreciates the opportunity to be of service to you at this phase of your project. If you have any questions or comments, please give us a call. We would be pleased to help any way we can. It has been a pleasure working with you and look forward to doing so in the near future.

Sincerely,

Reza Javidan, P.E.  
Florida Engineering & Testing, Inc.  
Florida Reg. No. 60223  
Certificate of Authorization No. 6923



# SPT Test Boring Report

Client: Peter Sullivan Hole No: B-1  
 Project: Proposed Swimming Pool Date: 9/07/11  
 Address: 1128 N. Northlake Drive Hollywood, Florida 33019  
 Location: See Attached Field Sketch

Depth (Ft)	Soil Descriptions	Hammer Blows	N	Penetration "N" Value			
				10	20	30	40
0' - 2'	Brown Sand With Some Limerock Fragments	4 4	9				
		5 7					
2' - 4'6"	Gray Sandy Silt	7 3	5				
		2 2					
4'6" - 6'6"	Peat	2 2	4				
		2 1					
6'6" - 25'	Tan Limestone With Some Sand	3 4	11				
		7 11					
		8 10	20				
		10 12					
		-- --	A				
		-- --					
		14 15	32				
		17 30					
		-- --	A				
		-- --					
20' - 25'		9 17	37				
		20 23					
		-- --	A				
		-- --					
25' - 30'		10 10	22				
		12 15					

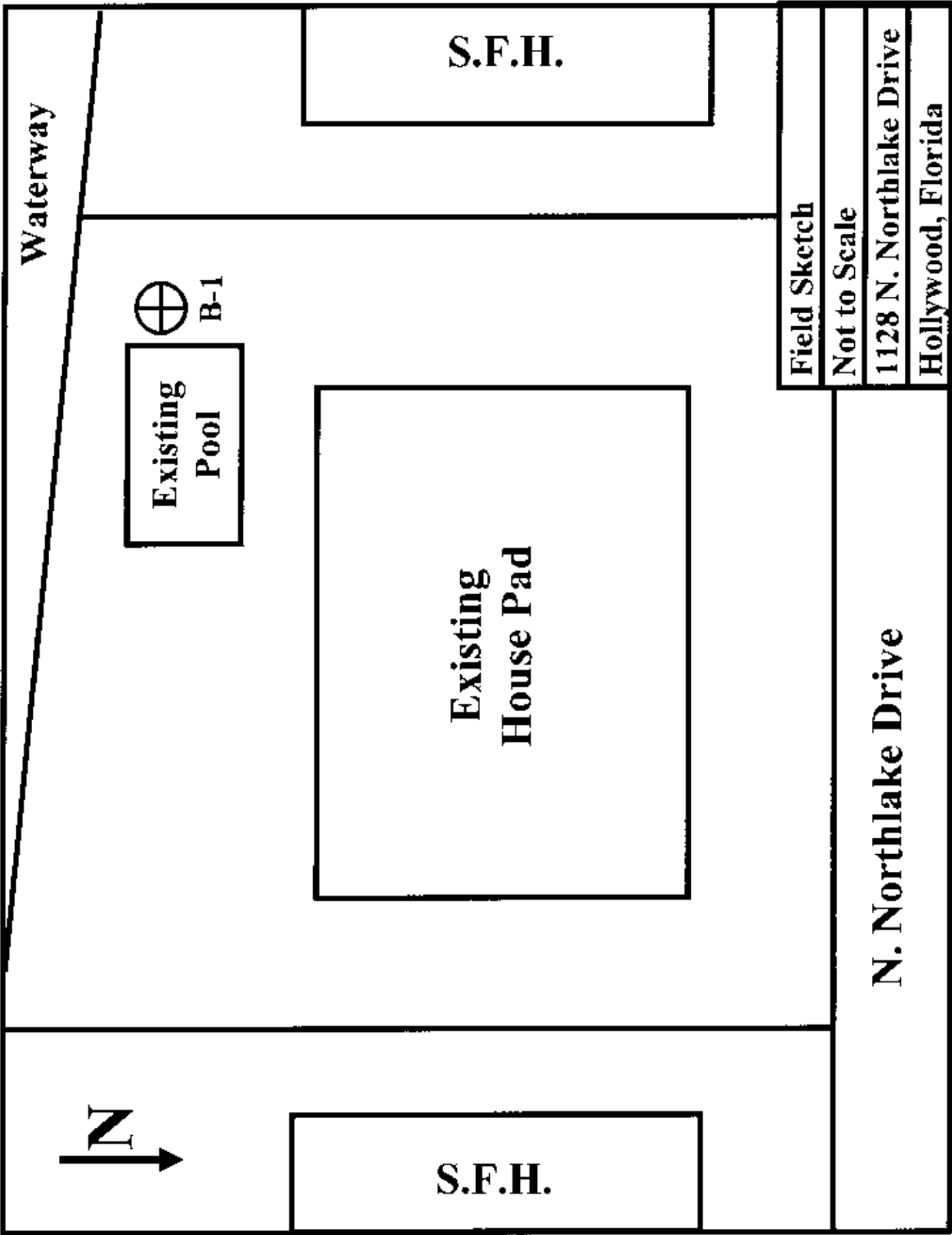
Water Level: 4'2" BEGL

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

A = Auger  
 Ref = Refusal  
 BEGL = Below Existing Ground Level  
 0 = Weight of Hammer

*Reza Javidan*  
 9/12/11

Reza Javidan, P.E.  
 Florida Engineering & Testing, Inc.  
 Florida Reg. No. 60223  
 Certificate of Authorization No. 6923

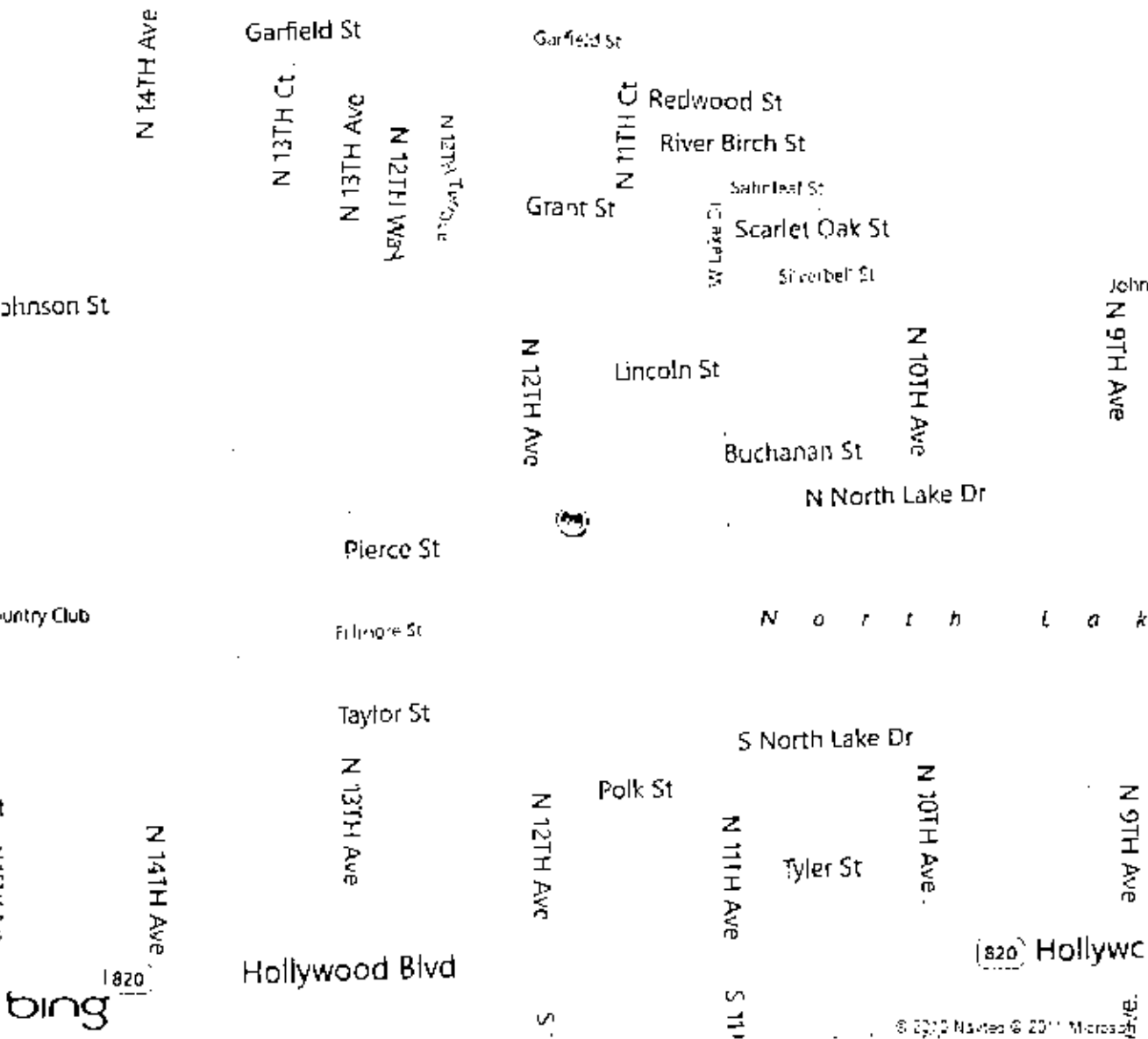
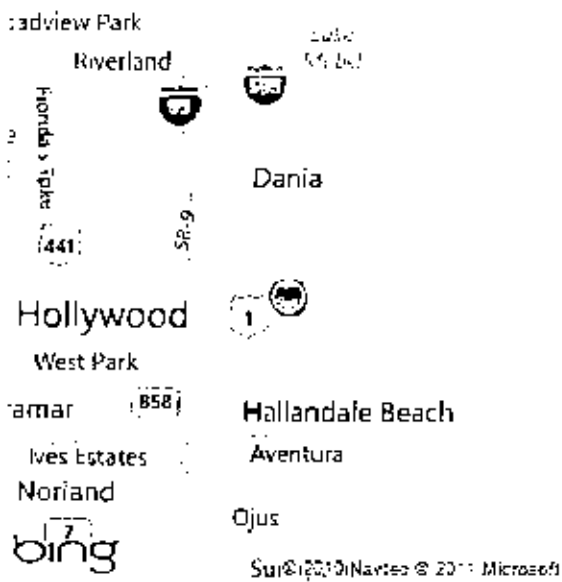


bing Maps

**1128 N Northlake Dr, Hollywood, FL 33019**

Peter Sullivan  
Proposed New Swimming Pool  
Replacing Existing Swimming Pool

FREE! Use Bing 411 to find movies, businesses & more: 800-BING-411





# GENERAL NOTES

- Soil boring(s) on unmarked vacant property or existing structure(s) to be demolished should be considered preliminary with further boring(s) to be performed after building pad(s) are staked out.
- As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.
- It is not our field inspector's responsibility to supervise, schedule, or stop any phase of the project. His/her responsibility is limited by the duties stated in the contract.
- It is the client's responsibility to provide adequate safety for the site and personnel.

## KEY CLASSIFICATIONS & SYMBOLS

### Correlation of Penetration Resistance with Relative Density and Consistency

	Dynamic Cone Penetrometer (Penetrometer Resistance)	Standard Penetration (Hammer Blows)	Relative Density
Sands	0 - 10	0 - 3	Very Loose
	10 - 25	3 - 8	Loose
	25 - 45	8 - 15	Firm
	45 - 75	15 - 25	Very Firm
	75 - 120	25 - 40	Dense
	> 120	> 40	Very Dense
Silts & Clay	0 - 6	0 - 2	Very Soft
	6 - 15	2 - 5	Soft
	15 - 30	5 - 10	Firm
	30 - 45	10 - 15	Stiff
	45 - 90	15 - 30	Very Stiff
	90 - 150	30 - 50	Hard

### Particle Size

Boulder	> 12in
Cobble	3 - 12in
Gravel	4.76mm - 3in
Sand	0.074mm - 4.76mm
Silt	0.005mm - 0.074mm
Clay	< 0.005mm

### Modifiers

0 - 5%	Slightly Silty/Clayey
5 - 30%	Silty/Clayey
30 - 50%	Very Silty/Clayey
0 - 2%	Very Slight Trace
2 - 5%	Slight Trace
5 - 10%	Trace
10 - 15%	Little
15 - 30%	Some
> 30%	With

### Rock Hardness Description

Soft	Rock core crumbles when handled.
Medium	Can break core with your hands.
Moderately Hard	Thin edges of rock core can be broken with fingers.
Hard	Thin edges of rock core cannot be broken with fingers.
Very Hard	Rock core rings when struck with a hammer.

# **LIMITATIONS OF LIABILITY**



## **WARRANTY**

We warrant that the services performed by Florida Engineering and Testing, Inc., are conducted in a manner consistent with the level of skill and care ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranties, expressed or implied, are made. While the services of Florida Engineering & Testing, Inc., are an integral and valuable part of the design and construction process, we do not warrant, guarantee, or insure the quality or completeness of services or satisfactory performance provided by other members of the construction process and/or the construction plans and specifications which we have not prepared, nor the ultimate performance of building site materials.

As mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

## **SUBSURFACE EXPLORATION**

Subsurface exploration is normally accomplished by test borings. The soil boring log includes sampling information, description of the materials recovered, approximate depths of boundaries between soil and rock strata and groundwater data. The log represents conditions specifically at the location and time the boring was made. The boundaries between different soil strata are indicated at specific depths; however, these depths are in fact approximate and dependent upon the frequency of sampling. The transitions between soil stratum are often gradual. Water level readings are made at the time the boring was performed and can change with time, precipitation, canal levels, local well drawdown, and other factors.

Regardless of the thoroughness of a Geotechnical exploration there is always a possibility that conditions may be different from those of the test locations; therefore Florida Engineering & Testing, Inc., does not guarantee any subsoil condition surrounding the bore test holes. For a more accurate portrayal of subsurface conditions, the site contractor should perform tests pits. If different conditions are encountered, Florida Engineering & Testing, Inc., shall be notified to review the findings and make any recommendations as needed.

## **LABORATORY AND FIELD TESTS**

Tests are performed in accordance with specific ASTM Standards unless otherwise indicated. All criteria included in a given ASTM Standard are not always required and performed. Each test report indicates the measurements and determinations actually made.

## **ANALYSIS AND RECOMMENDATIONS**

The Geotechnical report is prepared primarily to aid in the design of site work and structural foundations. Although the information in the report is expected to be sufficient for these purposes, it is not intended to determine the cost of construction or to stand alone as construction specifications. In accepting this report the client understands that all data from the soil boring is intended for foundation analysis only and is not to be used for excavating, backfilling or pricing estimates. The site contractor must familiarize themselves with the job site conditions.

Report recommendations are based primarily on data from test borings made at the locations shown on the test boring reports. Soil variations may exist between borings and may not become evident until construction. If variations are then noted, Florida Engineering & Testing, Inc., should be contacted so that field conditions can be examined and recommendations revised if necessary.

The Geotechnical report states our understanding as to the location, dimensions, and structural features proposed of the site. Any significant changes in the nature, design, or location of the site improvements must be communicated to Florida Engineering & Testing, Inc., so that the Geotechnical analysis, conclusions, and recommendations can be appropriately adjusted.

## **CONSTRUCTION OBSERVATIONS**

Construction observation and testing is an important element of Geotechnical services. The Geotechnical Engineer's Field Representative (Field Rep.) is the "owner's representative" observing the work of the contractor, performing tests, and reporting data from such tests and observations. The Geotechnical Engineer's Field Representative does not direct the contractor's construction means, methods, operations, or personnel. The Field Rep. does not interfere with the relationship between the owner and the contractor, and except as an observer, does not become a substitute owner on site. The Field Rep. is only collecting data for our Engineer to review.

The Field Rep. is responsible for his/her safety only, but has no responsibility for the safety of other personnel and/or the general public at the site. If the Field Rep. does not feel that the site is offering a safe environment for him/her, the Field Rep. will stop his/her observation/ testing until he/she deems the site is safe. The Field Rep. is an important member of a team whose responsibility is to observe the test and work being done and report to the owner whether that work is being carried out in general conformance with the plans and specifications.



**CITY OF HOLLYWOOD**  
**BUILDING AND ENGINEERING SERVICES**

PROCESS # \_\_\_\_\_

**Residential Swimming Pool, Spa and Hot Tub Safety Act**  
**Notice of Requirements**

I (We) Acknowledge that a new swimming pool, spa or hot tub will be constructed or installed at 1122 N. Northlake  
Drive and hereby affirm that one of the following methods will

(Please print Job Address)

be used to meet the requirements of Chapter 515, Florida Statute and Florida Building Code Section 424.2

- Please initial the method(s) to be used for your pool or spa-

- ☐ The pool will be equipped with an approved safety pool cover that complies with ASTM F1346-91 (Submit Manufacturer's Specifications).
- ☐ A continuous, one piece (child) barrier meeting the requirements of Florida Building Code 424.2.17 will protect the pool perimeter. The plans shall show the fence location and method of attachment, including one end that shall not be removable without the aid of tools (Submit Manufacturer's Specifications).
- ☐ A combination of non-dwelling walls and fences (screen enclosure, child fence, masonry fence walls, chain link or wood fence, etc.) will protect the pool perimeter. The plans must specify the type and location of all non-dwelling walls.
- ☒ Any combination of protection which incorporates dwelling walls with openings directly into the pool perimeter and all windows and doors will be equipped with exit alarms complying with Florida Building Code, 424.2.17.1.9 (Submit Manufacturer's Specifications).
- ☐ Any combination of protection which incorporates dwelling walls with openings directly into the pool perimeter and all doors will be equipped with a self-latching device with positive mechanical latching/locking installed a min. 54" above the threshold. If this option is selected, submit plans showing all types and location of all perimeter protection. The plans must also show the location and type of all openings and the hardware type for each location. (Submit Manufacturer's Specifications).

Final inspection of the pool project cannot be approved without compliance with the Private Swimming Pool Safety Requirements.

I understand that not having one of the above installed will constitute a violation of Chapter 515, F.S., and will be considered as committing a misdemeanor of the second degree, punishable as provided in Section 775.082 or Section 775.083 F.S. This form must be signed by the owner/agent and the prime contractor.

Peter Sullivan  
Owner/Agent Printed Name

Signature

Date

4/18/11

Keith Stuart  
Prime Contractor Printed Name

Signature

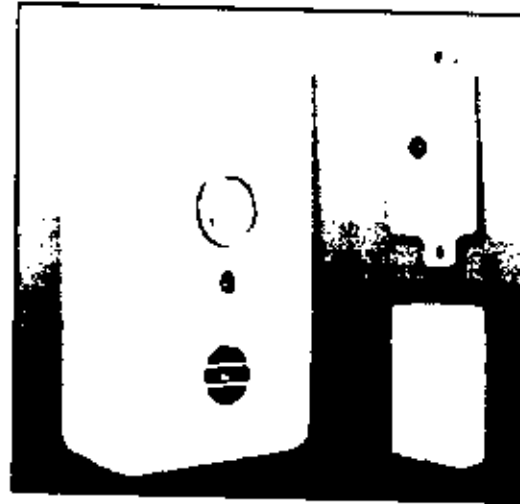
Date

4/18/11


Notary Signature

Date Commission Expires

Notary Seal



- The Door Alarm will sound immediately when a child opens the door, and will continue to sound if the door is left open. If a child goes through the door and closes it, the alarm will sound for 5 minutes and then automatically reset.
- Poolguard Door Alarm Model DAPT-WT is equipped with an Outdoor Wireless Transmitter that allows adults to enter the home from the outside without the alarm sounding and is easy to install.
- The Door Alarm is always on and will automatically reset under all conditions.
- Poolguard Door Alarm is equipped with an adult pass through feature that will allow adults to go through the door without the alarm sounding.
- Optional screen door kits can be purchased for the alarm, this kit allows you to get air through your screen door without the alarm sounding.
- Poolguard Door Alarm uses one 9-volt battery, (not included) with a battery life of approximately 6 months.
- The Door Alarm is equipped with a low battery indicator that will audibly alert you when your battery is getting low.
- Poolguard is the only door alarm that is UL listed under UL 2017 for water hazard entrance alarm equipment.

 Door Alarm - Wireless PDF manual

All Products Proudly



**CALL TOLL-FREE**  
**800-542-7000**

**6. LOW BATTERY FUNCTION & REPLACEMENT**

When the 9-volt battery in the door alarm is low and needs to be replaced, the horn will chirp once every 10 seconds. To replace the 9-volt battery, remove the old 9-volt battery then wait at least 30 seconds before connecting the new 9-volt battery. The 9-volt battery life for the door alarm is approximately 6 months. Test your door alarm weekly by opening the door and allowing the alarm to sound. When the battery power in the Outdoor Wireless Transmitter is low the door alarm will give **5 QUICK BEEPS** instead of **ONE BEEP** like it does when you are entering the dwelling, see section 5B for normal operating conditions. The Outdoor Wireless Transmitter battery life is several years, this battery is not replaceable. Contact Poolguard to purchase a replacement Outdoor Wireless Transmitter, Model #OWT.

**WARRANTY AND REPAIRS**

POOLGUARD is sold with a limited warranty to cover defects in parts and workmanship for one year from date of purchase. (Retain proof of purchase) If Poolguard exhibits a defect, please call our Customer Service department at 1-800-242-7163. Unauthorized returns will not be accepted. Proper repair is only ensured when the unit is returned to the manufacturer. Visit our website at [www.poolguard.com](http://www.poolguard.com) to fill out your warranty registration information.

**PBM INDUSTRIES, INC.**  
P.O. Box 654  
NORTH VERNON, IN 47265  
812-348-2648



**PBM INDUSTRIES, INC.**  
**MADE IN THE USA**  
REV. 5-09

**SWIMMING POOL SAFETY TIPS**

- Supervise children at all times.
- Never permit swimming alone. Never leave a child alone, ever to answer the telephone.
- Always remove the entire solar cover from a pool before swimming.
- Remember that alcohol and water safety do not mix.
- Have your pool area fenced and the gate locked to prevent unauthorized entry to the pool, and install a gate alarm.
- Lock and secure all doors in the house which permit easy access to the pool, and install a door alarm.
- Have a responsible adult teach swimming and water safety to your children.
- Maintain clean, clear water in the pool.
- Do not swim during electrical storms.
- Do not permit bottles, glass, or sharp objects to be used around the pool.
- Ask your pool dealer how you can improve your pool safety—they will be glad to assist you.
- Above all: remember that common sense, awareness, and caution will allow you to enjoy your pool.



[www.poolguard.com](http://www.poolguard.com)



## 32" Channel Drain Flat Grate Anti-Entrapment Suction Outlet Cover and Three-Port Manufactured Sump

### VGB Series

#### Product Specification Sheet

#### Features

A single, unblockable suction outlet that exceeds the new VGB mandate and ASME/ANSI A112.19.8a-2008 standard.

For single or multiple drain use (see installation instructions for plumbing, regulator valve/drain pipe and single or multi pump connections).

Single

Flow: 316 GPM at 1.9 fps

Wall: 208 GPM at 2.6 fps

Unobstructed: 122 GPM at 1.5 fps

25.9 square inch opening

#16 stainless steel screws

Manufactured from superior UV resistant engineered polymers

Three ports: bottom 2 1/2" OD, 2" ID S/S, inside 2" threaded FPT, two 2" threaded plugs included

Meets or exceeds NSF 50/ASME/ANSI A112.19.8a-2008 national standards and ASTM F154 UV testing

Orange disposable plastic pre-gumite/plaster insert keeps debris out and retains sump shape during construction

Must use transitional glue when attaching to PVC pipe

Listed with APMD R&T

4 per case

#### Part Numbers / Colors

☐ 32CDFL101 White\*

☒ 32CDFL102 Black\*

32CDFL103 Lt. Gray\*

32CDFL104 Blue\*

☒ 32CDFL105 Dk. Gray\*

32CDFL106 Bone\*

☐ 32CDFL107 Taupe\*

☒ 32CDFL108 Tan\*

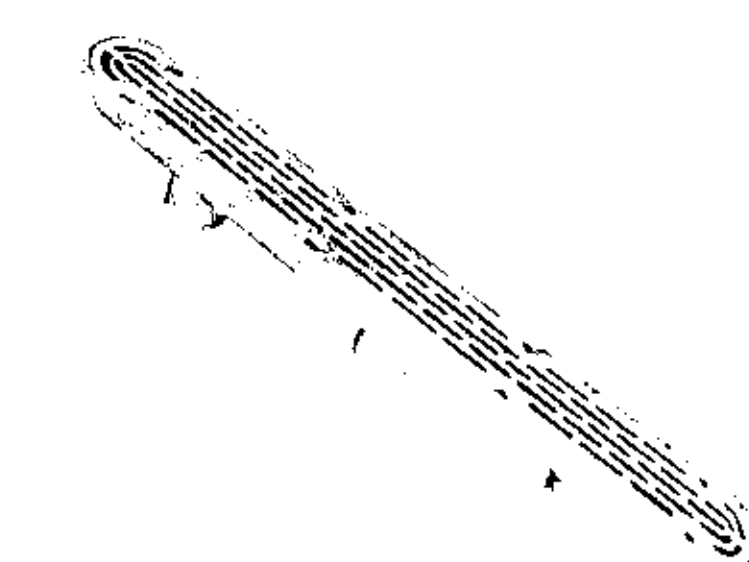
Also available as sump only  
p/n 32COSBxxx 4 per case

VGB 2008 Compliant

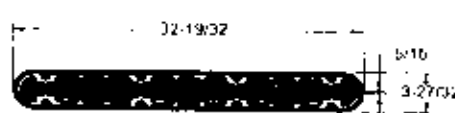
The AquaStar line of suction outlet covers, compliant with the new Virginia Graeme-Baker Pool and Spa Safety Act (ASME/ANSI A112.19.8a-2008)

NSF 50/ASME/ANSI A112.19.8a-2008 compliant

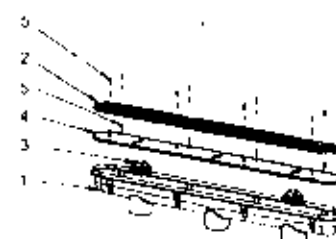
### The Unblockable!



With sump (concrete pools)  
Part # 32CDFLxxx



### Two Drains in One!



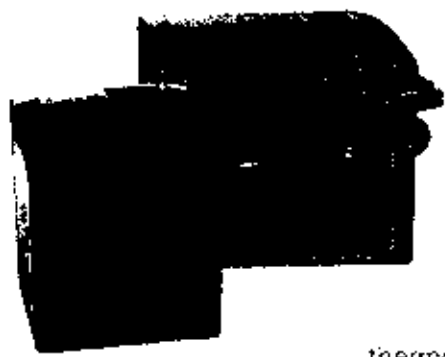
- 1 32" three-port manufactured sump bucket
- 2 32" channel drain, cover, flat
- 3 2" NPT plug, qty 2
- 4 32" channel drain, plaster shield
- 5 #10 x 3/4" flat head phillips type-a screw, 316 ss, qty 16

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P 877-768-2217 F 877-276-POOL Outside the US: P +1-949-459-1707 F +1-949-336-1940  
info@aquastrapoolproducts.com www.aquastrapoolproducts.com

# The First Pool and Spa Heater So Advanced It's Simple

## LX/LT Heaters



The LX Control and user friendly interface are key elements in your Aqualink® RS controlled pool/spa environment. The LT model has a simplified dual electronic thermostat. Both the LX and LT models include automation-ready features to provide convenient pool-to-spa switching.



### LX/LT PERFORMANCE CHARTS

The Pool Sizing Guide below shows the maximum pool surface area LX/LT models 250 and 400 will heat based on the Temperature Difference\* between the air temperature during the coldest month the pool is used and the desired pool temperature. Figures are based on average wind conditions and average pool depth.

#### POOL SIZING GUIDE

Model	250	400
Temperature Difference*	Maximum Area Heated (ft <sup>2</sup> ) (depth 5')	
15°F	1,750	2,800
20°F	1,300	2,100
25°F	1,050	1,700
30°F	850	1,400
35°F	750	1,200

The Spa Sizing Guide below details the time required for each model to raise spa temperature by 30°F

#### SPA SIZING GUIDE

Model	250	400
Spa size (gallons)	Time required to raise temp 30°F	
200 Gallons	15 Minutes	10 Minutes
400 Gallons	30 Minutes	20 Minutes
600 Gallons	45 Minutes	30 Minutes
800 Gallons	60 Minutes	40 Minutes
1000 Gallons	75 Minutes	50 Minutes

### Specifications:

Model	"A" Width	Height	Depth	VENT	Shipping Weight	Heater Weight
250	28 1/4"	30 1/4"	27 1/8"	7.0"	237 lbs.	170 lbs.
400	34 1/4"	30 1/4"	27 1/8"	9.0"	308 lbs.	236 lbs.

FRONT

SIDE

See your Jandy Sales Representative  
for more information!

Jandy

Filters • Pumps • Heaters • Air Blowers • Pools • Controls • Ladders • Water Treatment Systems • Valves • Water Features • Chemicals • Accessories

ALL JANDY PRODUCTS WORK  
SEAMLESSLY TOGETHER   
Jandy Control Systems  
through our complete line of  
technologically advanced products.



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# RESIDENCE POOL PLAN

SCALE: 1/8" = 1'-0"

NOTE:  
SEE PG-2 FOR POOL AND SPA SPECIFICATIONS



EQUAL  
EQUAL

EXISTING  
PATIO

POOL/SPA  
EQUIPMENT

LANDSCAPE SCREEN  
EQUIPMENT PER CODE  
EQUIPMENT LOCATION  
AND CONFIGURATION  
MAY DIFFER IN FIELD

SEE PIPING  
SCHEMATIC  
FOR DETAILS  
AND SIZES

18" RAISED PEDESTAL SPA WITH  
LED LIGHT, 12 THERAPY JETS, 2  
RETURNS LINES THRU BENCH,  
CHANNEL DRAIN, ENTRY STEP, 8"  
WIDE SPILLWAY TO SUNSHELF AND  
10" THICK BEAM FOR PIPING

SUNSHELF/TANNING LEDGE (VERIFY  
DEPTH) WITH (4) PVC UMBRELLA  
SLEEVES AND (2) LED BUBBLERS

NOTE: SEE PLAN BY  
GATOR ENGINEERING  
CONSULTANTS FOR  
EXISTING ON SITE  
DRAINAGE SOLUTION

MAINTAIN NATURAL  
SITE GRADE ALONG  
POOL PATIO (NOT TO  
BE HIGHER THAN  
ADJACENT PROPERTY)

EQUAL  
EQUAL

EXISTING  
PATIO

18" BENCH WITH TILED  
EDGE

8"

(4) 18" X 18"  
STEPPING STONES

VACUUM

SKIMMER

RL

45' LONG

FR

FR

FR

LGT

6'-9" DEEP

4'-8" DEEP

SKIMMER

RL

RL

RL

18" BENCH WITH TILED  
EDGE

18" RECESSED  
SWIMOUT WITH TILED  
EDGE

PAVERS TO SERVE AS  
PART OF DRAINAGE  
RUN-OFF FROM POOL  
(IF ANY)



NAME: SALVARI  
1128 NORTH LAKE DRIVE  
CITY/STATE: HOLLYWOOD  
FLORIDA, 33019  
DATE: 07/31/13

LOT: 1  
BLOCK: 42  
BOOK: 1  
PAGE: 53

SUBDIVISION:  
HOLLYWOOD LAKES SECTION  
COUNTY:  
BROWARD

SHEET: 1 OF 5



POOL SIZE:	20' X 45'	POOL DEPTH:	3'-6" TO 6'-9" TO 4'
PERIMETER:	130.4 LF W/10' SUNBELT	POOL AREA SQ. FT.:	1063 SF
WV. (GALLONS)	40,675	TURNOVER RATE	4.84-HRS

### POOL EQUIPMENT

POOL PUMP:	2 HP 2-SPEED
POOL FILTER:	420 SF CART.
POOL INLETS:	5 WALL 3 FLOOR
SCUMMER:	2
POOL LIGHT:	2-LED
POOL HEATER:	H-PUMP
POOL HEATER SIZE:	SQ-175
CLEANING LIME:	VAC
CLEANING SYSTEM:	N/A
CHLORINATOR:	IN-LINE SALT

### AUXILIARY POOL EQUIPMENT

AUX. POOL PERIMETER:	38 LF
AUXILIARY PUMP:	3 HP
AUX. POOL JETS:	12
AUX. POOL LIGHT:	LED
AUX. HEATER TYPE:	W/POOL
AUX. HEATER SIZE:	N/A
RAISED:	18"
STEPS:	YES
BLOWER:	2 HP
FURNACE RATE:	14 MCH

### POOL FINISH ITEMS

CORING:	N/A	MAINTENANCE:	N/A
TUR:	5"	INTERIOR FINISH:	FL GCH
SWIMPOOL:	PER PLAN	DECK S.F.:	PER PLAN
LOADER:	N/A	CAPPING S.F.:	N/A
HANDRAIL:	N/A	DECK TYPE:	PAVER

## WATER FEATURES

WATER FEATURES			
WAX POOL			
SPLASHWAY SIZE:	8'-0"	FOUNTAIN FEATURE:	H/A H/A
LIONS HEAD:	H/A	SHEER DESCENT:	H/A
SPRITZER/SPRAY HEAD:	2 BRIGGLERS	FEATURE PUMP:	H/A
THERAPY BATS:	H/A	OTHER:	SUNSHINE

## LIGHT FEATURES

FIBER OPTIC SPOT(S):  REMOTE:  COLOR WHEEL:   
PERIMETER LIGHTS:  LIGHT SWITCH:  # OF COLORS:


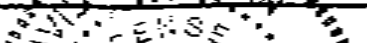

### ADDITIONAL FEATURES

POOL ENCLOSURE:	FENCE/ALUMS	GLASS BLOCK TYPE:	N/A
FOOTERS LF.:	N/A	GLASS ROWS HT:	N/A
DECO-O-DRAIN:	N/A	GLASS ROWS WTH:	N/A
PELING POOL:	N/A	# OF GLASS BLOCKS:	N/A

APPROVED

AUG 29 2013

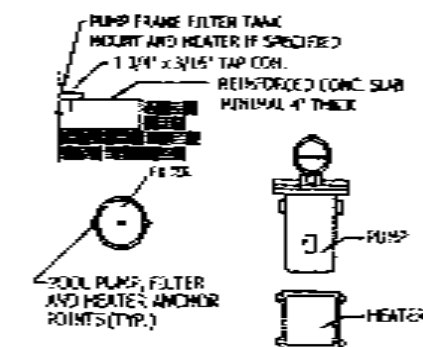
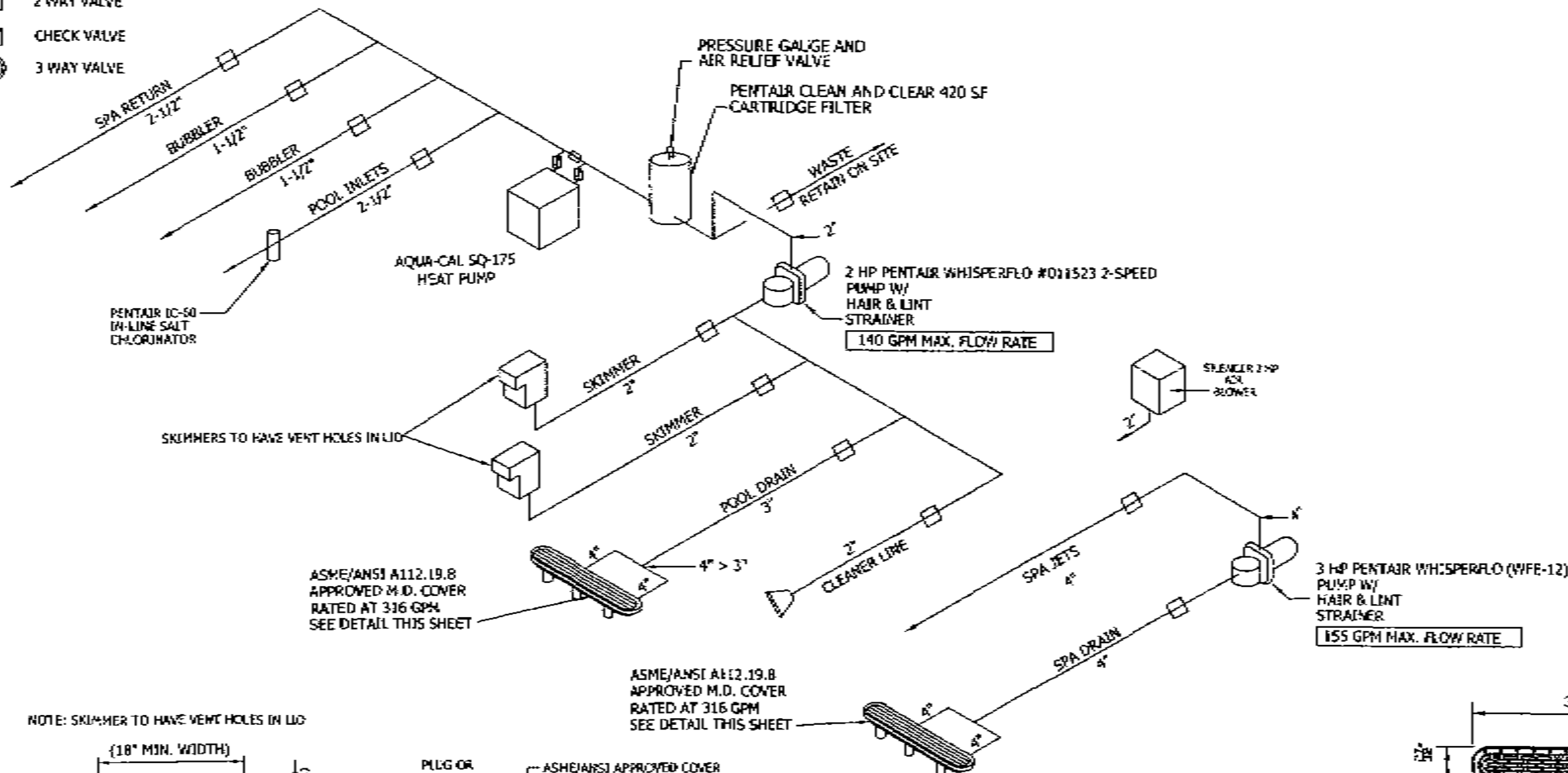
CITY OF HOLLYWOOD, FLA  
MECHANICAL

	DATE	DESCRIPTION	BY	 <b>ACE Environmental Services, Inc.</b> Pool, Spa and Fountain Engineering			 <b>Cliff's Pools &amp; Patios</b> Affordable Pool Services 1128 North Lake Drive, Hollywood, FL 33019	NAME: SULLIVAN 1128 NORTH LAKE DRIVE CITY/STATE: HOLLYWOOD FLORIDA, 33019	LOT: 1 BLOCK: 42 BOOK: 1 PAGE: 37
A								SUBDIVISION: HOLLYWOOD LAKES SECTION COUNTY: BROWARD SHEET: 2 OF 5	
B									
C									
D									
E									
F									

# LEGEND

- ☐ 2 WAY VALVE
- ☒ CHECK VALVE
- ☐ 3 WAY VALVE

NOTE: IN ACCORDANCE WITH ANSI/APSP-7 2008 FOR Suction Entrapment Avoidance, THE POOL PIPING HAS BEEN DESIGNED BASED ON THE MAXIMUM FLOW CAPACITY OF THE NEW SWIMMING POOL PUMP.



NOTES: ANCHOR BOLTS THROUGH BASE (3 3/4" x 3/16") (TAP CON.) FOR POOL PUMP & FILTER HEATER SHOWN AS OPTIONAL (A) 1 1/2" ANGLE BRACKETS (HEAT PUMP) (B) 2 1/2" ANGLE BRACKETS (HEAT PUMP) WITH (C) 1 3/4" x 3/16" TAP CON. AND (D) 1/2" SELF-TAPPING SHEET METAL SCREWS

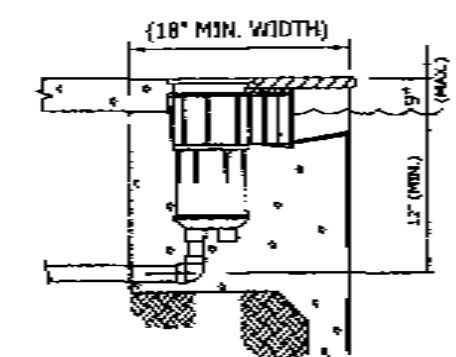
## POOL EQUIPMENT ANCHORING

SKIMMERS TO HAVE VENT HOLES IN LID

ASME/ANSI A112.19.8 APPROVED M.D. COVER RATED AT 316 GPM SEE DETAIL THIS SHEET

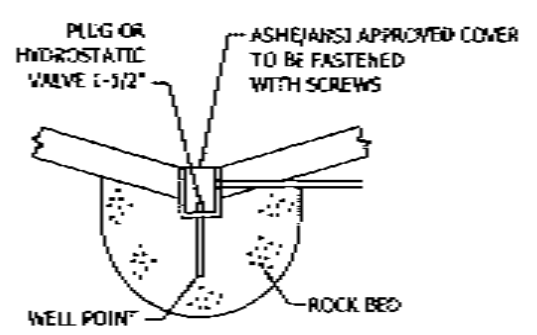
ASME/ANSI A112.19.8 APPROVED M.D. COVER RATED AT 316 GPM SEE DETAIL THIS SHEET

NOTE: SKIMMER TO HAVE VENT HOLES IN LID



SKIMMER DETAIL

WELL POINT DETAIL

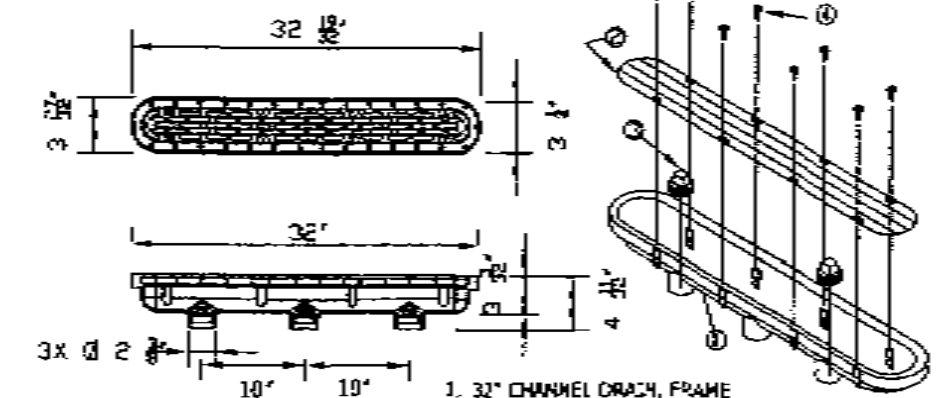


WELL POINT DETAIL

N.T.S.

## PIPING SCHEMATIC

AQUA STAR 32" FLAT GRATE 3-PORT CHANNEL DRAIN MODEL # 32CDP0000 VCS 2008 COMPLIANT (ASME/ANSI A112.19.8a) N.T.S.



1. 32" CHANNEL DRAIN, FRAME
2. 32" CHANNEL DRAIN, COVER, FLAT
3. 32" CHANNEL DRAIN, PLUG
4. #10 FLAT HEAD PHILLIPS SCREW, QTY. 8

	DATE	DESCRIPTION	BY
A			
B			
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F			

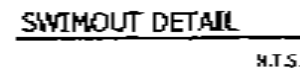
**ACE Environmental Services, Inc.**  
Pool, Spa and Fountain Engineering  
22511 Wende Dr., Boca Raton, Florida 33431  
(561) 445-1311 Fax: (561) 420-0390  
EMAIL: FRANK@BELLSCOUTH.NET CA# 7390



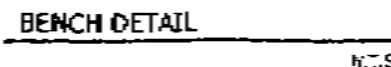
**Cliff's Pools & Patios**  
Affordable Makeovers  
Phone: 561-445-1311 Fax: 561-420-0390

NAME: SULLIVAN  
1128 NORTH LAKE DRIVE  
CITY/STATE: HOLLYWOOD  
FLORIDA, 33019  
DATE: 07/31/13

LOT: 1  
BLOCK: 42  
BOOK: 1  
PAGE: 37  
SUBDIVISION:  
HOLLYWOOD LAKES SECTION  
COUNTY:  
BROWARD  
SHEET: 3 OF 5



1. BOND ALL SIDES, RAILS, LIGHTS, STEEL ET. W/ #8 WIRE IN POOL AREA.
2. POOL LOCATION MUST COMPLY WITH REC CODE, ESPECIALLY REC 620.



- (1) ATTACH TO THE POOL REINFORCING STEEL (SINGLE #6 AND WELL)
- (2) BURIED TO A MIN. DEPTH OF 4" TO 6" BELOW GRADE
- (3) MIN. OF 4 POINTS UNIFORMLY SPACED AROUND PERIMETER OF POOL AND SEA FOR NONCONDUCTIVE POOL SHELLS (FIBERGLASS, ETC.) BONDING AT FOUR POINTS SHALL NOT BE REQUIRED
- (4) CONNECTED BY SINGLE #10 AWG WIRE WITH A SOLID COPPER BARE CONDUCTOR NOT SMALLER THAN #10 AWG
- (5) CONNECTION SHALL BE MADE EXISTING UNDERGROUND OR BY LISTED PRESSURE CONNECTORS OR CLAMPS THAT ARE LABELED AS BEING SUITABLE FOR THE PURPOSE AND ARE OF STAINLESS STEEL, BRASS, COPPER, OR COPPER ALLOY
- (6) THE #10 AWG WIRE SHALL EXIST UNDERPAINTED AND UNPAINTED PAINTING SURFACES A MAX. OF 2' HORIZONTALLY BEYOND THE DIGGE WALL OF POOL OR SPA

(PER F.B.C. 2006 ALTERNATIVE MATERIALS AND METHODS)

NO DIVING BOARD AND NO DIVING IS ALLOWED ON ANY POOL LESS THAN 8'-0" DEPTH AND SPECIFICALLY DESIGNED FOR DIVING. THIS POOL IS NOT DESIGNED FOR DIVING.



 **ACE** Environmental  
Services, Inc.  
*Pool, Spa and Fountain Engineering*

2171 Waterside Dr., Boca Raton, Florida 33434  
(561) 445-1181 Fax: (561) 450-0893  
E-MAIL: EAFERMAN@BELLNORTH.NET CA# 7292



SHEET: 4 OF 5


Aug 28 2013

**GENERAL NOTES:**


1. **CODE REQUIREMENTS** - Private swimming pool and spas must comply with chapter 424 & R401 Florida Building Code, 2010.
2. **Mechanics Requirements** - All piping, equipment and materials used in the plumbing system of swimming pools (Spas) that are built in place shall conform to the Florida Building Code, Plumbing. All piping materials shall be installed in strict accordance with the manufacturer's installation standards.
3. **Compliance** - All materials, piping, valves, equipment or appliances entering into the construction of swimming pools (Spas) or portions thereof shall be of a type complying with the code or of a type recommended and approved by a nationally recognized testing agency or conforming to other recognized standards acceptable to the administrative authority.
4. **Engineering Design** - Design, Construction and workmanship shall be in conformity with ANSI / NSF 3,4,5,6 & 7 2005 published by the International Aquatics Foundation, or other accepted engineering practices.
5. **ENTRAPMENT Testing and Certification** - All pool and spa suction inlets shall be provided with a cover that has been tested and accepted by a recognized testing facility and comply with ANSI/ASME A112.19.8, "Suction Fittings for Use in Swimming Pools, Spas, Hot Tubs, and Whirlpool Bathing Appliances." Exception: Surface Skimmers.
6. **Safety Note:** Do not use or operate pool or spa if the suction inlet fitting is missing, broken, or loose.
7. **Suction Inlet Per Pump** - per FBC R4101.6.6 A minimum of two suction inlets shall be provided for each pump in the suction inlet system, separated by a minimum of 3 feet or located on two different planes, i.e., one on the bottom and one on the vertical wall, or one on each of two separate vertical walls. These suction inlets shall be plumbed such that water is drawn through them simultaneously through a common line to the pump.
8. **Cleaner Fittings** - per FBC R4101.6.6 Where provided, the vacuum or pressure cleaner fitting(s) shall be located in an accessible position at least 6 inches and not greater than 18 inches below the minimum operating water level or as an attachment to the skimmer(s). All cleaner suction inlets shall be protected by an approved, permanently installed, self-closing self-latching flapper assembly compliant w/ IAPMO SPS-4.
9. **Valves** Valves shall be made of materials that are approved in the Florida Building Code 2010, Plumbing. Valves located under concrete slabs shall be set in a pit having a least dimension of five pipe diameters, minimum 10 inches, fitted with a suitable cover.
10. **Waste Water Disposal** - Direct or indirect connections cannot be made to existing facilities without the prior approval of the administrative authority.
11. **Water Service** - Backflow prevention device is required on all potable water service.
12. **Tests** - All pool piping shall be inspected and approved before cover or concealment. It shall be tested and prove tight under a static water or air pressure test of not less than 35 psi for 15 minutes. Per manufacturer's recommendations, no air test shall be approved for PVC pipe and fittings.
13. **Water Heating Equipment** - Swimming pool water heating equipment shall conform to the design construction and installation requirements in accordance with accepted engineering practices, shall bear the label of a recognized testing agency and shall include a consideration of combustion air, venting and gas supply requirements for water heaters. It must contain a thermostatic or high-pressure control switch so the pool water does not exceed 104 degrees F, water heating equipment shall be isolated with flanges or union connections adjacent to the heater. All heaters must have an internal check valve.
14. **Gas Piping** - Gas piping shall comply with the Florida Building Code 2010, Fuel Gas Sec.
15. **Electrical** - Pool location and Electrical wiring and equipment shall comply with latest edition of the National Electrical Code, section 680.


16. **Ladders and Steps** - All pools shall be provided with a ladder or steps in the shallow end where the water exceeds 24 inches. Where water depth exceeds 5 feet, there shall be ladders, stairs or underwater benches / swimouts in the deep end.
17. **Filters** - The entire design of matched components shall have sufficient capacity to provide a complete turnover of pool water in 12 hours or less.
18. **Pool Fittings** - Pool fittings shall be of an approved type and design as to be appropriate for the specific application. Purple primer required on PVC piping
19. **Skimmers** - Skimmers shall be installed on the basis of one per 800 SF of surface area or fraction thereof.
20. **Hydrostatic Relief Device** - In areas of anticipated water table, an approved hydrostatic relief device shall be installed. Exception is plastic liner pools.
21. **Concrete / Seal** - Concrete is to be a mix designed in accordance with ASTM C-94 by a recognized testing laboratory to achieve a strength of 3000 psi, at 28 days, (unless otherwise noted) with a plastic and workable mix. Pneumatically applied concrete and/or shotcrete shall be placed in accordance with ACI 304.2R-04 and ACI 306.2-04, respectively. All other concrete shall be placed in accordance with ACI 304R-04. A certificate of manufacturer's mix and strength is to be provided. No water is to be added after truck leaves plant without approval of the engineer. Plant control is required. Maximum mix time at point of deposit is 90 minutes. Concrete work shall be as per requirements and recommendations of ACI 301-04. (REINFORCING, DEFORMED STEEL) bars shall be A615 Grade 60 (unless otherwise noted), free from oil, loose scale and loose rust. Reinforcing, deformed steel bars shall be bent, lapped, placed, supported and fastened according to the Manual of Standard Practice for Detailing Concrete Structures (ACI 315-04) and the building code requirements for reinforced concrete (ACI-318-04). In case of conflict, the more conservative value(s) shall be used.
22. **Soil Statement** - In accordance with FBC 2010 Section 1818, MINIMUM BEARING CAPACITY OF SOIL: Based upon rational analysis, the in-place soil beneath the pool is sand and limestone and has an acceptable bearing capacity of 550 psf and 2000 psf for related structures shown within these plans, excavation and compaction in accordance with current edition of FBC. Should any muck, marl, or other organic soils be discovered on excavation, they should be removed in their entirety. All construction shall stop and the engineer of record shall be contacted to conduct an inspection. Structural elements are designed with a required bearing capacity as stated above, unless otherwise specified. Fiberglass and vinyl liner pools require 250 psf safe bearing capacity unless otherwise specified.
23. **Pool Staking** - This design engineer assumes no responsibility for pool construction in easements or required setback areas. Plot plans not prepared from legal surveys of the existing lot and residence are so indicated. The pool contractor shall verify all dimensions in the field and establish lot lines. The pool contractor shall establish locations of all utilities at the site and contact the Engineer if different than indicated on plan. Min. clearance dimensions shall be held as required by the local regulatory agency.
24. **Existing Structures** - The pool contractor shall always take all precautions to protect existing structures from failure by sheeting and/or shoring or other methods. The design engineer accepts no responsibility for the safety of existing structures.
25. **Backfill** - The contractor shall backfill the pool shell with caution. The plumbing shall not be disturbed. Backfill shall be accomplished with clean, construction grade fill, free of organic material and shall be placed in 12" thick lifts, each layer shall be compacted to 95 % maximum dry density per ASTM D-1557, modified proctor method.
26. **Warning** - To empty pool after construction, for repairs or any other reason, the hydrostatic uplift pressures beneath the pool must be eliminated to prevent the pool from floating upward. The owner must consult a pool contractor or pool repair contractor experienced in eliminating uplift pressures.
27. **Diving** - No diving board and no diving is allowed on any pool less than 8'0" deep and specifically designed for diving. This pool is not designed for diving unless specifically stated on the site plan.
28. **Pools & Spas with Heaters** - the pool and spa shall be provided with a cover or other means to reduce heat loss.
29. **Pool Enclosure** - Residential Pools shall be provided with a barrier compliant w/ F.B.C. 2010 424.2.17 through 424.2.17 L.16

	DATE	DESCRIPTION	BY
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B			
C			
D			
E			
F			



**ACE** Environmental Services, Inc.  
Pool, Spa and Fountain Engineering  
22111 W. Grande St., Boca Raton, Florida 33433  
(561) 445-1787 Fax: (561) 476-0990  
EMAIL: FAERMAN@BELLSOUTH.NET Call: 3390





**Cliff's**  
Pools & Patios  
Affordable Affirmities  
www.cliffsusa.com 800.875.5544

NAME: SULLIVAN  
1128 NORTH LAKE DRIVE  
CITY/STATE: HOLLYWOOD  
FLORIDA, 33019

DATE: 07/31/13

LOT: 1  
BLOCK: 42  
BOOK: 1  
PAGE: 37

SUBDIVISION:  
HOLLYWOOD LAKES SECTION

COUNTY:  
BROWARD

SHEET: **5** of **5**

NOTE: SEE PLAN BY GATOR ENGINEERING CONSULTANTS P.A. FOR EXISTING ON-SITE DRAINAGE SOLUTION.

SEP 23 2011

CITY OF HOLLYWOOD, FLA  
PLUMBING

WATNE MARKHAM BENNETT  
PROJECT ASSOCIATE ENGINEER • 1976

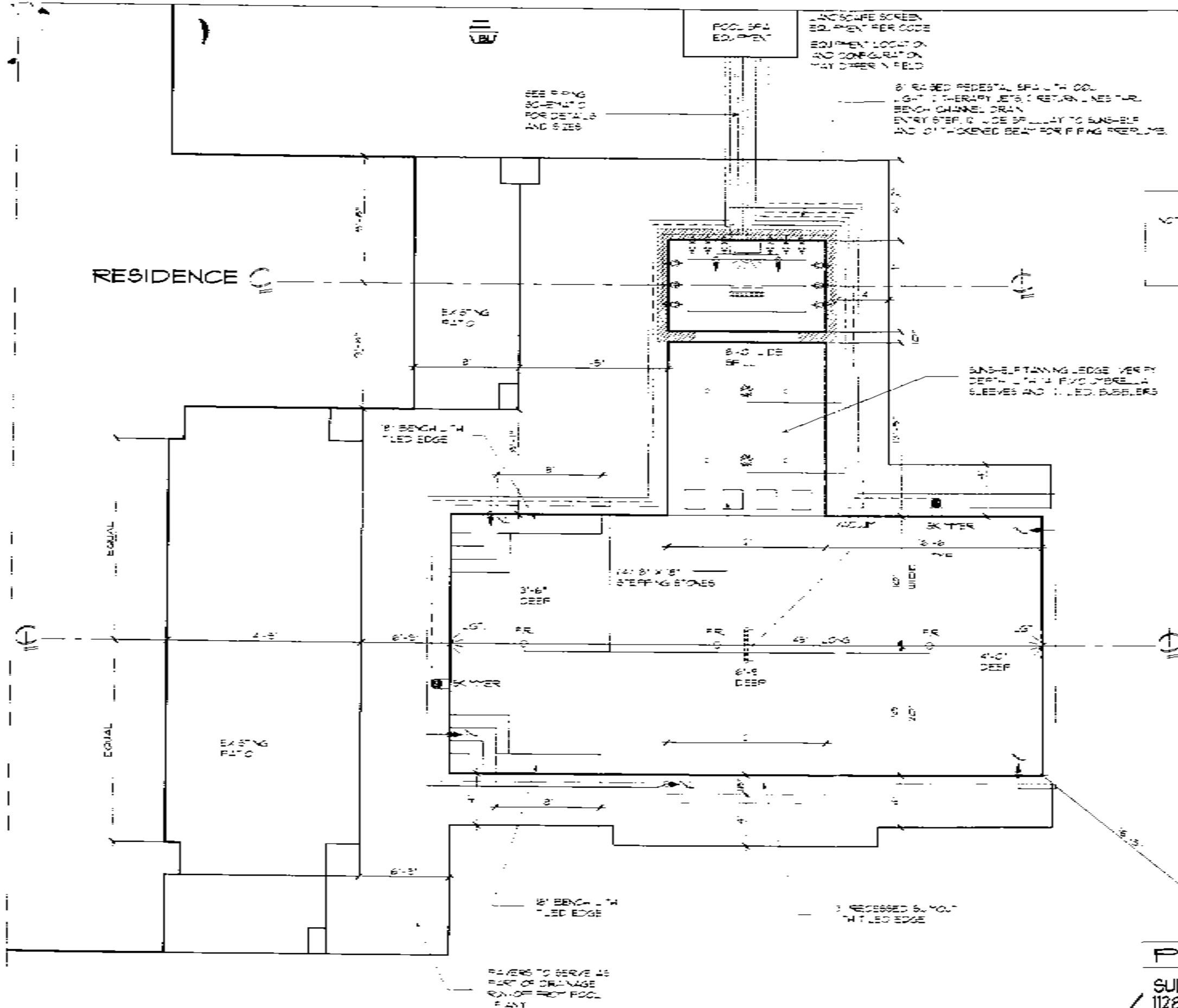
**NATIONWIDE POOLS**  
1925 N.W. 16TH COURT  
CORPANO BEACH, FLORIDA 32604

DATE	8-7-68
ORDER#	1070
DWG BY	NLS
PLANT #	07665-03
1st REV.	B.D.
2nd REV.	
3rd REV.	
4th REV.	
5th REV.	

SULLIVAN  
1128 N. NORTHLAKE DRIVE  
HOLLYWOOD, FLORIDA 33019

EOL DESCRIPTION

LOT: LOT 1	BLOCK: 42
HOLLWOOD LAKES SECTION	
P.B.	PAGE: 57
BEAVER COUNTY	



POOL PLAN

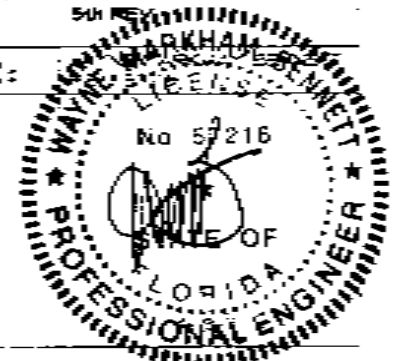


VOID STRUCTURAL

WAYNE MARKHAM BENNETT  
PROFESSIONAL ENGINEER # 31716  
205 SOUTH FEDERAL HIGHWAY ST. 1673  
DEERFIELD BEACH, FLORIDA 33441

NATIONWIDE POOLS  
1932 NW 40TH COURT  
FORT LAUDERDALE, FLORIDA 33304

DATE:	5-1-0
ORDER:	576
DWG BY:	NAB
NAB:	07663-103
1st REV.	
2nd REV.	
3rd REV.	
4th REV.	
5th REV.	



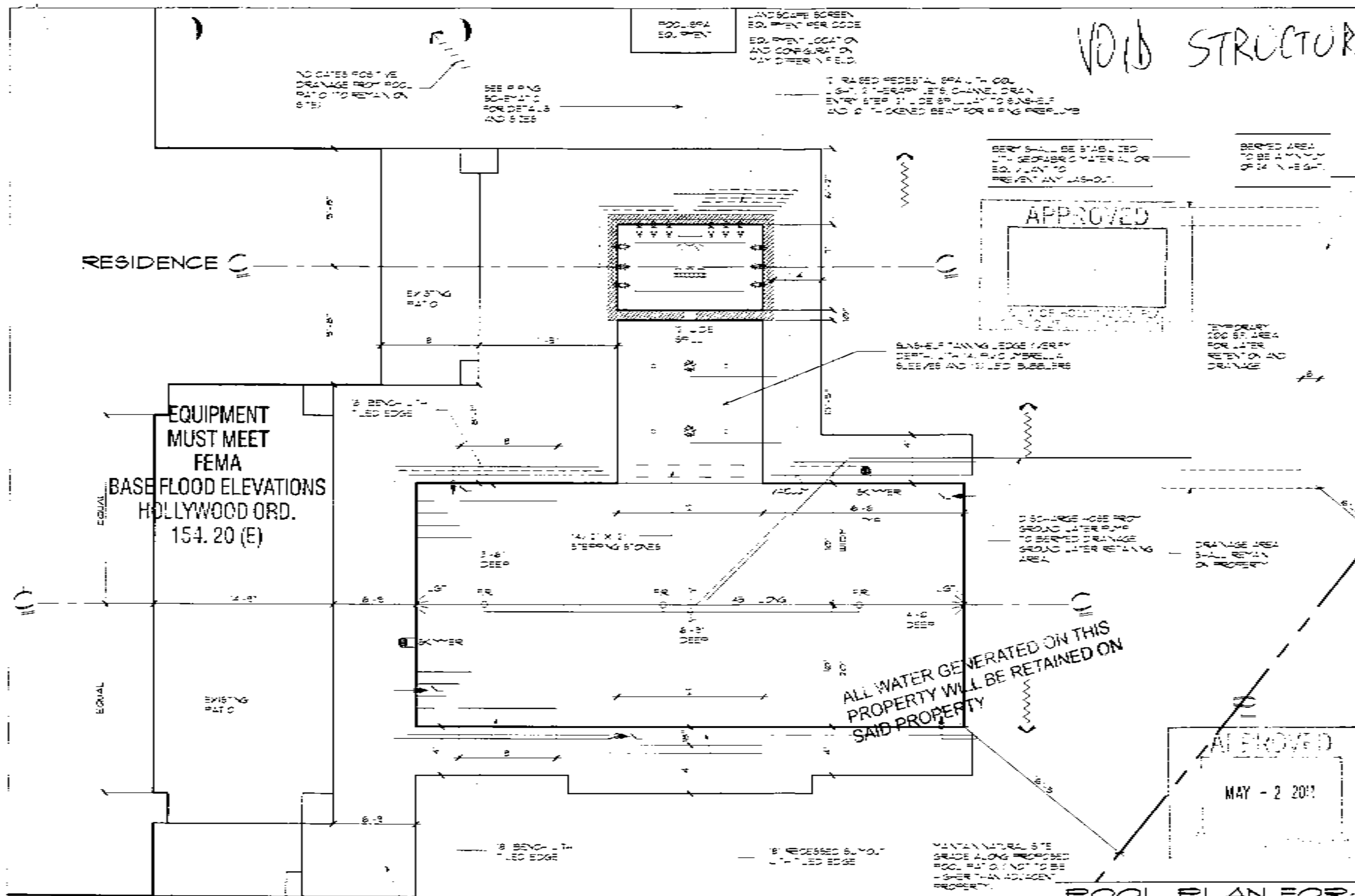
POOL PLAN FOR:

SULLIVAN  
1128 N. NORTHLAKE DRIVE  
HOLLYWOOD, FLORIDA 33019

REG. DEED # 01  
LOT 107  
HOLLYWOOD LAKES SECTION  
P.B.  
BROWARD COUNTY

BLOCK 45  
PAGE 32

POOL PLAN  
SCALE: 3/4" = 1'-0"



ALL WATER GENERATED ON THIS  
PROPERTY WILL BE RETAINED ON  
SAID PROPERTY

MAY - 2 2011

# GENERAL NOTES

FLORIDA BUILDING CODE 2007 CHAPTER 84 SWIMMING POOLS AND ALL APPLICABLE COUNTY AND CITY CODES SHALL GOVERN.

**R-800.6.1 CONFORMANCE STANDARD:** DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMITY WITH THE 2007 FLORIDA BUILDING CODE AND ALL APPLICABLE COUNTY AND CITY CODES.

**R-800.6.2 WATER VELOCITY:** POOL PIPING SHALL BE DESIGNED SO THE WATER VELOCITY DOES NOT EXCEED 10 FT. PER SECOND FOR PRESSURE AND 8 FT. PER SECOND FOR SUCTION PIPING, EXCEPT FOR BETWEEN DRAINS THE WATER VELOCITY SHALL NOT EXCEED 6 FT. PER SECOND. SUCTION OUTLET VELOCITY MUST COMPLY WITH ANSI A95.1 EXCEPT ON JET INLET FITTINGS NOT SUBJECT TO THIS REQUIREMENT.

**R-800.6.3 ENTRAPMENT PROTECTION:** ENTRAPMENT PROTECTION FOR SUCTION OUTLETS SHALL BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS AND APPROVAL.

**R-800.6.4 VALVES:** ALL VALVES ON POOL PIPING SHALL CONFORM TO SECTION 800.6.4.1 AND 800.6.4.2.

**R-800.6.5 CONNECTIONS:** HEATERS SHALL BE INSTALLED WITH FLANGES OR UNION CONNECTIONS ADJACENT TO THE HEATER.

**R-800.6.6 GAS PIPING:** GAS PIPING SHALL COMPLY WITH FLORIDA BUILDING CODE, FUEL GAS SEPARATE PLANS AND PERTAINING REQUIREMENTS.

**R-800.6.7 ELECTRICAL:** ELECTRICAL WIRING AND EQUIPMENT SHALL COMPLY WITH CHAPTER 9 OF THE FLORIDA BUILDING CODE, NFPA 70, NEC EXCEPT ARTICLE 680 AND NFPA 70, NEC ARTICLE 680.

**R-800.6.8 RESIDENTIAL SWIMMING BARRIER REQUIREMENT:** RESIDENTIAL SWIMMING POOLS SHALL COMPLY WITH SECTION 800.6.8.1 AND 800.6.8.2 EXCEPT ARTICLE 680 AND NFPA 70, NEC ARTICLE 680.

**R-800.6.9 LADDERS AND STEPS:** POOLS MUST BE PROVIDED WITH A LADDER OR STEPS IN THE SHALLOW END WHERE THE WATER EXCEEDS 24 INCHES DEEP AND WHERE POOL WATER EXCEEDS 3 FEET IN DEPTH A LADDER, STAIRS OR SLIDING BENCH IS REQUIRED.

**R-800.6.10 FINAL INSPECTIONS:** ALL SWIMMING POOL INSTALLATIONS SHALL BE COMPLETED AND ALL REQUIRED SAFETY BARRIERS AND PROTECTION SYSTEMS REQUIRED BY CODE BE INSTALLED IN CONFORMITY WITH THE APPROVED PLANS. THE POOL SHALL BE COMPLETELY FILLED WITH WATER AND IN OPERATION PRIOR TO INSPECTION.

**R-800.6.11 POOL FILTERS:** THE ENTIRE DESIGN OF MATCHED COMPONENTS SHALL HAVE A SUFFICIENT CAPACITY TO PROVIDE A COMPLETE TURN-OVER OF POOL WATER WITHIN 2 HOURS.

**R-800.6.12 HYDROSTATIC RELIEF VALVE:** IN AREAS OF ANTICIPATED WATER TABLE AN APPROVED HYDROSTATIC RELIEF DEVICE SHALL BE INSTALLED.

**R-800.6.13 POOL INLET FITTINGS:** THERE MUST BE AT LEAST ONE APPROVED MANUFACTURED INLET FITTING PER 300 SQ. FT. OF POOL SURFACE AREA FOR THE RETURN OF RECIRCULATED POOL WATER.

**R-800.6.14 PIPING INSTALLATION:** ALL PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION SCHEDULE. JOINT BEARING NSF APPROVAL, PRIMER AND GLE ON EXPOSED ABOVE GROUND PIPING NOT REQUIRED TO BE COLORED.

**REINFORCING STEEL:** SHALL CONFORM TO ASTM A63 GRADE 40.

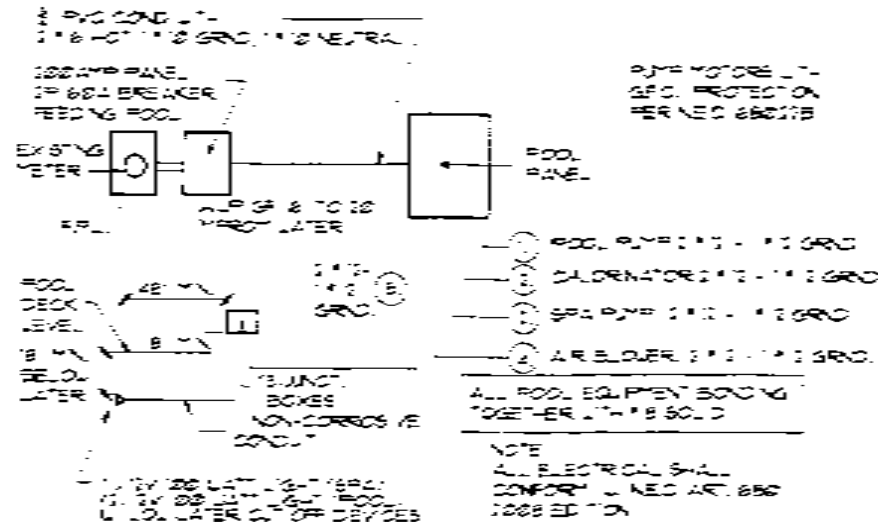
**CONCRETE:** POOL CONCRETE WILL BE PREPARED AND APPLIED WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.

**TEMPERATURE:** POOL OR SPA SHALL NOT EXCEED 102° FAHRENHEIT.

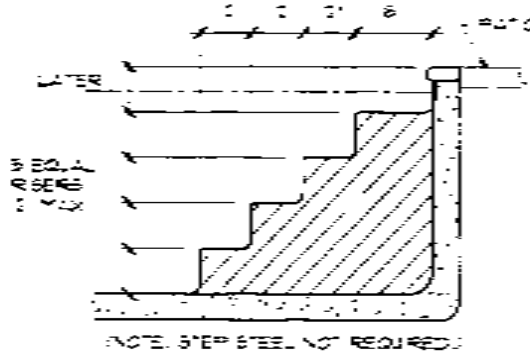
**POWER LINES OVER-HEAD ELECTRIC:** LINES SHALL BE LOCATED A MINIMUM OF 10 FT. FROM POOL WATER'S EDGE AND UNDERGROUND ELECTRICAL POWER LINES SHALL BE LOCATED A MINIMUM OF 5 FT. FROM THE POOL WATER'S EDGE OR IN ACCORDANCE WITH NFPA 70, NEC ARTICLE 680.

**CONCRETE SLABS:** ALL POOL EQUIPMENT SLABS SHALL COMPLY WITH SECTION 800.6.11 OF THE FLORIDA BUILDING CODE 2007 EDITION WITH 2009 SUPPLEMENT.

**HANDHOLD NOTE:** ANY INLET ARTICLE XV SECTION 813.4 SECURED ROPE OR CERAMIC HANDHOLD MUST BE PLACED AT OR NO MORE THAN 2 INCHES ABOVE THE NORMAL WATERLINE OF THE POOL.



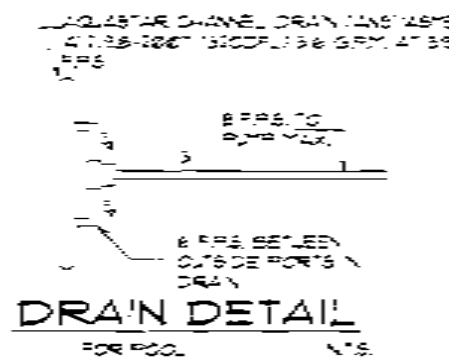
ELECTRICAL RISER DIAGRAM



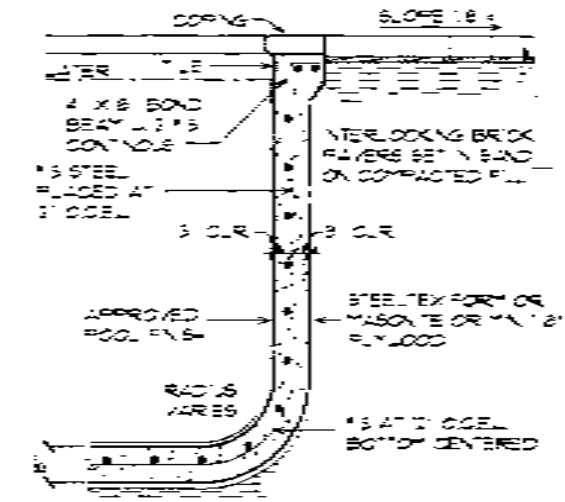
STEP DETAIL

NOTE: PER FBC R-800.6.11 AND FOR RATIONAL ANALYSIS THROUGH EVALUATION AND KNOWLEDGE OF OTHER PROJECTS IN THIS AREA, THE DETERMINED THE ALLOWABLE SOIL BEARING CAPACITY IS A MINIMUM OF 1000 PSF FOR THIS PROJECT. IF DURING EXCAVATION DIFFERENT CONDITIONS ARE FOUND, THE POOL CONTRACTOR AND OR HOMEOWNER WILL TAKE ALL STEPS TO REMEDY THE SITUATION AS WELL AS TO NOTIFY ALL PARTIES INVOLVED.

VOID STRUCTURAL



DRAIN DETAIL

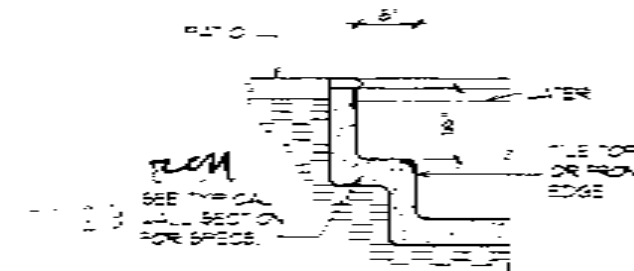


TYPICAL WALL SECTION

## BONDING GRID NOTE

(PER NEC 680.26.1)

SINGLE SOLID #8 AUG BONDING WIRE IS TO BE PLACED AROUND THE PERIMETER 8" TO 14" FROM THE POOL WATER'S EDGE AND PLACED 4" TO 8" BELOW GRADE. THE CONNECTION TO POOL SHALL BE IN FOUR LOCATIONS BY EXOTHERMIC WELDING OR BY LISTED PRESSURE CONNECTORS OR CLAMPS THAT ARE LABELED AS BEING SUITABLE FOR THIS PURPOSE AND ARE OF STAINLESS STEEL, BRASS, COPPER OR COPPER ALLOY. THE SINGLE SOLID #8 AUG WIRE SHALL EXTEND UNDER CONCRETE, PLASTER AND UNPAVED SURFACES.



SWIMOUT DETAIL

## POOL PLAN FOR:

SULLIVAN  
1128 N. NORTH LAKE DRIVE  
HOLLYWOOD, FLORIDA 33019

SECTION DESCRIPTION  
LOT: 107 BLOCK: 42  
HOLLYWOOD LAKES SECTION  
P.B. 11  
BROWARD COUNTY PAGE: 32

DATE: 9-17-0

ORDER: 1070

DWG BY: WAB

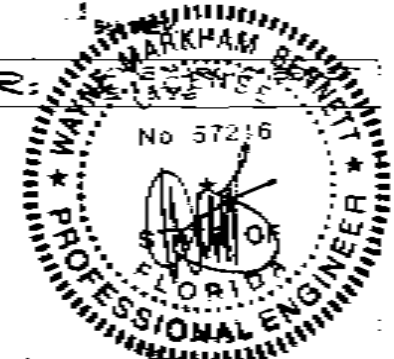
NAB # 07463-03

1st REV.

2nd REV.

3rd REV.

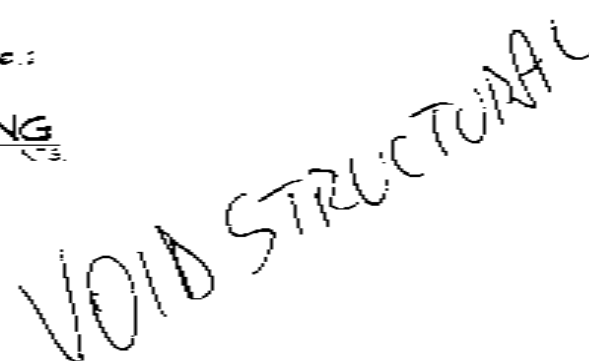
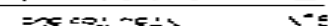
4th REV.



WAYNE MARKHAM BENNETT  
PROFESSIONAL ENGINEER, #57216

NATIONWIDE POOLS  
1923 NW 40TH COURT  
FORT LAUDERDALE, FLORIDA 33304

249 SOUTH FEDERAL HIGHWAY, SUITE 100  
FORT LAUDERDALE, FLORIDA 33304



PEDESTAL: YES

1973 NW 42TH COURT  
WILMINGTON, DELAWARE 19804

MAP - 2 2211

POOL PLAN FOR:

SULLIVAN  
1128 N. NORTHLAKE DRIVE  
HOLLYWOOD, FLORIDA 33018

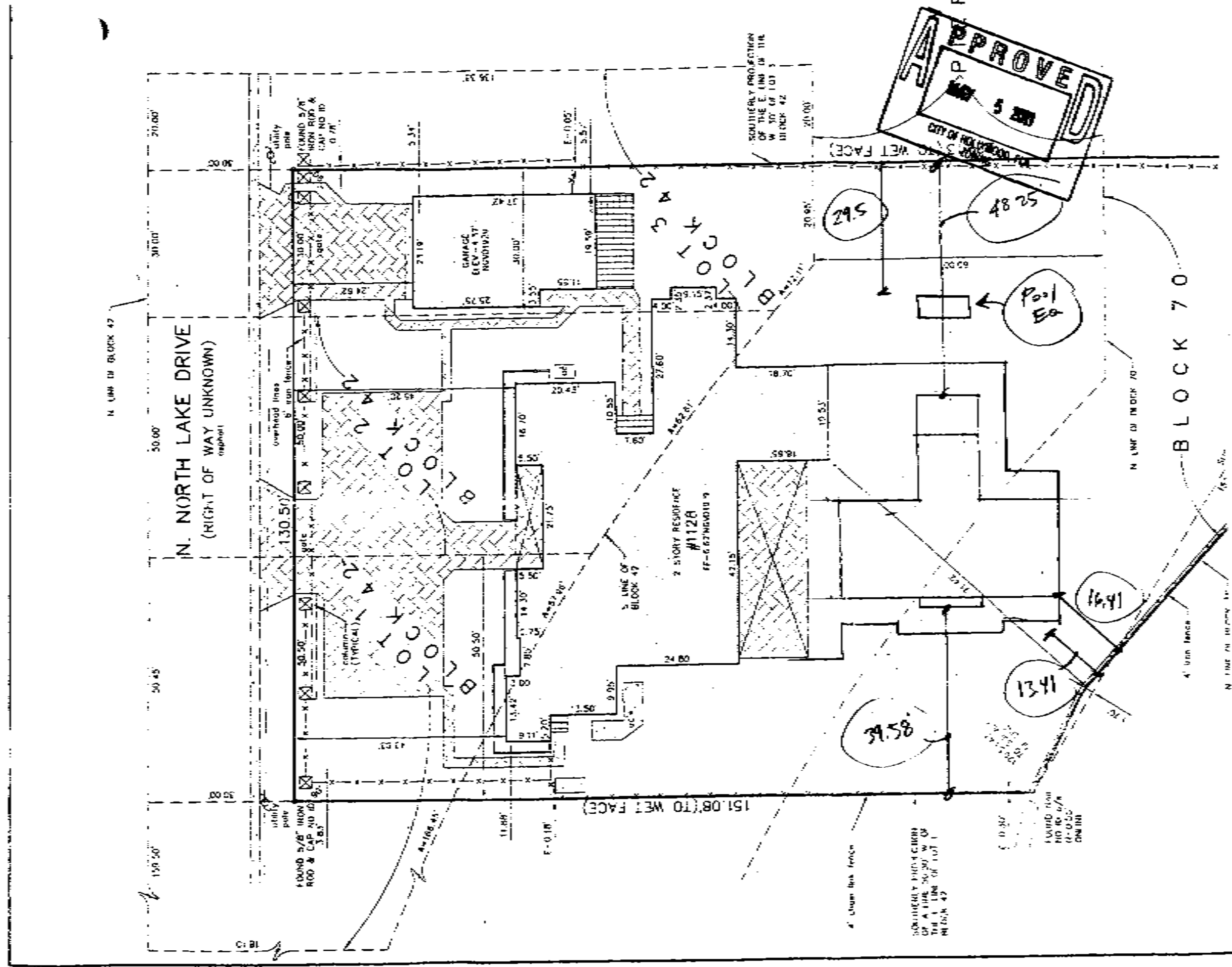
—34— 21238—2

LOT: 107                      BLOCK: 42  
 HOLLYWOOD LAKES SECTION  
 P.B.                      PAGE: 32  
 SOUTHERN COUNTY





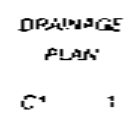
Sullivan



Sullivan









# CITY of HOLLYWOOD, FLORIDA

DEPARTMENT OF BUILDING & ENGINEERING SERVICES

## Letter of Transmittal

To: City of Hollywood  
P.O. Box 229045  
Hollywood, FL 33022-9045  
Phone: (954) 921-3335 • Fax: (954) 921-3037

Date: 08/27/13  
Permit Number: B11-101623  
E-Mail Address: \_\_\_\_\_  
Project/Reference: SULLIVAN POOL

For Review By: (check ☒ all applicable spaces)

☐ Planning ☐ Zoning ☐ Engineering ☐ Fire ☐ Water/Sewer ☐ Drainage  
Discipline: ☒ Structural ☒ Electrical ☒ Plumbing ☒ Mechanical ☐ Reserve Capacity Charges

From: CLIPPS POOLS

Address: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Contact: BOB

Phone: (917) 422-2000 Fax: ( ) \_\_\_\_\_

PLANS SUBMITTED: (check ☒)

<input type="checkbox"/> Architectural sheet # _____	<input type="checkbox"/> Fire sheet # _____
<input checked="" type="checkbox"/> Structural sheet # <u>St 2</u>	<input type="checkbox"/> Zoning sheet # _____
<input type="checkbox"/> Electrical sheet # _____	<input type="checkbox"/> Engineering sheet # _____
<input type="checkbox"/> Mechanical sheet # _____	<input type="checkbox"/> RCC sheet # _____
<input type="checkbox"/> Plumbing sheet # _____	<input type="checkbox"/> Drainage sheet # _____
<input type="checkbox"/> Water sheet # _____	<input type="checkbox"/> Sewer sheet # _____

WE ARE SUBMITTING TO YOU (check ☒)

Via ☒ hand delivery ☐ Postal delivery  
☐ special delivery ☐ fax copy

☐ E-mail  
☐ initial (original) sets of plans  
☐ corrected (non-permitted) plans  
☒ revised (permitted) plans  
☐ shop drawings: ☐ structural steel  
☐ wood trusses  
☐ glass/glazing  
☐ product approvals  
☐ fire protection

☐ spot survey  
☐ final survey  
☐ energy (insulation) certification  
☐ special inspector letter  
☐ soil report  
☐ inspection reports  
☐ energy calculations  
☐ site plans  
☐ other REVISD POOL PLANS

*Deck App  
+ Pl.*

*El. Chg to St.*

*CHANGE OF CONTRACTOR*

*REVISD POOL PLANS*

Special Instructions:

LETTER TO VOID GAS  
PIPE SUB PERMIT

*\* App: Heat  
Pump*

*\* Cancel Gas  
Letter attached*

For Departmental Use Only:

Received by: (B) Date: 8/27/13





# CITY of HOLLYWOOD, FLORIDA

DEPARTMENT OF BUILDING & ENGINEERING SERVICES

## Letter of Transmittal

To: City of Hollywood  
P.O. Box 229045  
Hollywood, FL 33022-9045  
Phone: (954) 921-3335 • Fax: (954) 921-3037

Date: 11/18/11 B11-101623  
Permit Number: B11-100663  
E-Mail Address: \_\_\_\_\_  
Project/Reference: \_\_\_\_\_

For Review By: (check ☒ all applicable spaces)

☐ Planning ☐ Zoning ☐ Engineering ☒ Fire ☐ Water/Sewer ☐ Drainage

Discipline: ☐ Structural ☐ Electrical ☒ Plumbing ☐ Mechanical ☐ Reserve Capacity Charges

From: Nationwide Pools Inc

Address: 1923 NW 40th  
Pompano Beach FL 33064

E-Mail Address: \_\_\_\_\_

Contact: Robin Hugli

Phone: (954) 864-1144 Fax: (954) 575-1975

PLANS SUBMITTED: (check ☒)

☐ Architectural  
sheet # \_\_\_\_\_

☐ Fire  
sheet # \_\_\_\_\_

☐ Structural  
sheet # \_\_\_\_\_

☐ Zoning  
sheet # \_\_\_\_\_

☐ Electrical  
sheet # \_\_\_\_\_

☐ Engineering  
sheet # \_\_\_\_\_

☐ Mechanical  
sheet # \_\_\_\_\_

☐ RCC  
sheet # \_\_\_\_\_

☐ Plumbing  
sheet # \_\_\_\_\_

☐ Drainage  
sheet # \_\_\_\_\_

☐ Water  
sheet # \_\_\_\_\_

☐ Sewer  
sheet # \_\_\_\_\_

WE ARE SUBMITTING TO YOU (check ☒)

Via ☒ hand delivery ☐ Postal delivery  
☐ special delivery ☐ fax copy

☐ E-mail

☐ Initial (original) sets of plans

☐ corrected (non-permitted) plans

☐ revised (permitted) plans

☐ shop drawings: ☐ structural steel

☐ wood trusses

☐ glass/glazing

☐ product approvals

☐ fire protection

☐ spot survey

☐ final survey

☐ energy (insulation) certification

☐ special inspector letter

☐ soil report

☐ inspection reports

☐ energy calcs

☐ site plans

☒ other Permit Application

For Departmental Use Only:

Received by: TP Date: 11/19/11

Special Instructions:

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_



# CITY of HOLLYWOOD, FLORIDA

DEPARTMENT OF DEVELOPMENT ADMINISTRATION

## Letter of Transmittal

To: City of Hollywood  
2600 Hollywood Blvd.  
Hollywood, FL 33022-4807  
Phone: (954) 921-3335 • Fax: (954) 921-3037

Date: 9/14/11  
Process Number: B11-101623  
E-Mail Address: \_\_\_\_\_  
Project/Reference: \_\_\_\_\_

### For Review By: (check ☒ all applicable spaces)

Division: ☒ Building ☐ Zoning ☐ Engineering ☐ Fire ☐ Water/Sewer ☒ Drainage  
Discipline: ☒ Structural ☐ Electrical ☒ Plumbing ☐ Mechanical ☐ Reserve Capacity Charges

From: Nationwide Pools

Address: 1923 NW 40 ct  
Pompano FL 33064

E-Mail Address: \_\_\_\_\_

Contact: Robin Hughli

Phone: 954-864-1649 Fax: 954-575-1975

### PLANS SUBMITTED: (check ☒)

<input type="checkbox"/> Architectural sheet # _____	<input type="checkbox"/> Fire sheet # _____
<input type="checkbox"/> Structural sheet # _____	<input type="checkbox"/> Zoning sheet # _____
<input type="checkbox"/> Electrical sheet # _____	<input type="checkbox"/> Engineering sheet # _____
<input type="checkbox"/> Mechanical sheet # _____	<input type="checkbox"/> RCC sheet # _____
<input type="checkbox"/> Plumbing sheet # _____	<input type="checkbox"/> Drainage sheet # _____
<input type="checkbox"/> Water sheet # _____	<input type="checkbox"/> Sewer sheet # _____

### WE ARE SUBMITTING TO YOU (check ☒)

Via ☒ hand delivery ☐ Postal delivery  
☐ special delivery ☐ fax copy

☐ E-mail  
☐ initial (original) sets of plans  
☒ corrected (non-permitted) plans  
☐ revised (permitted) plans  
☐ shop drawings: ☐ structural steel  
☐ wood trusses  
☐ glass/glazing  
☐ product approvals  
☐ fire protection

☐ spot survey  
☐ final survey  
☐ energy (insulation) certification  
☐ special inspector letter  
☒ soil report  
☒ inspection reports  
☐ energy calcs  
☐ site plans  
☐ other \_\_\_\_\_

### Special Instructions:

### For Departmental Use Only:

Received by: [Signature] Date: 9/21/11





# CITY of HOLLYWOOD, FLORIDA

DEPARTMENT OF BUILDING & ENGINEERING SERVICES

## Letter of Transmittal

To: City of Hollywood  
P.O. Box 229045  
Hollywood, FL 33022-9045  
Phone: (954) 921-3335 • Fax: (954) 921-3037

Date: 01/09/12  
Permit Number: BU-101623  
E-Mail Address: \_\_\_\_\_  
Project/Reference: \_\_\_\_\_

For Review By: (check ☒ all applicable spaces)

☐ Planning ☐ Zoning ☐ Engineering ☐ Fire ☐ Water/Sewer ☐ Drainage  
Discipline: ☒ Structural ☐ Electrical ☐ Plumbing ☐ Mechanical ☐ Reserve Capacity Charges

From: Nationwide Pools  
Address: 1923 NW 46th  
Pompano BE 33064  
E-Mail Address: nationwidepools@hotmail.com  
Contact: Ruben  
Phone: 954 864 1644 Fax: ( ) \_\_\_\_\_

PLANS SUBMITTED: (check ☒ )

<input type="checkbox"/> Architectural sheet # _____	<input type="checkbox"/> Fire sheet # _____
<input type="checkbox"/> Structural sheet # _____	<input type="checkbox"/> Zoning sheet # _____
<input type="checkbox"/> Electrical sheet # _____	<input type="checkbox"/> Engineering sheet # _____
<input type="checkbox"/> Mechanical sheet # _____	<input type="checkbox"/> RCC sheet # _____
<input type="checkbox"/> Plumbing sheet # _____	<input type="checkbox"/> Drainage sheet # _____
<input type="checkbox"/> Water sheet # _____	<input type="checkbox"/> Sewer sheet # _____

WE ARE SUBMITTING TO YOU (check ☒ )

Via ☒ hand delivery ☐ Postal delivery  
☐ special delivery ☐ fax copy

☐ E-mail  
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☒ revised (permitted) plans  
☐ shop drawings: ☐ structural steel  
☐ wood trusses  
☐ glass/glazing  
☐ product approvals  
☐ fire protection

☐ spot survey  
☐ final survey  
☐ energy (insulation) certification  
☐ special inspector letter  
☐ soil report  
☐ inspection reports  
☐ energy calcs  
☐ site plans  
☐ other \_\_\_\_\_

For Departmental Use Only:

Received by: [Signature] Date: 1/9/12

Special Instructions:

main drain repair

Will pay  
on time

otherwise  
when  
ready





# CITY of HOLLYWOOD, FLORIDA

DEPARTMENT OF BUILDING & ENGINEERING SERVICES

## Letter of Transmittal

To: City of Hollywood

P.O. Box 229045

Hollywood, FL 33022-9045

Phone: (954) 921-3335 • Fax: (954) 921-3037

Date: 10/28/11

Permit Number: B11-101623

E-Mail Address: \_\_\_\_\_

Project/Reference: \_\_\_\_\_

For Review By: (check ☒ all applicable spaces)

☐ Planning ☐ Zoning ☐ Engineering ☐ Fire ☐ Water/Sewer ☐ Drainage

Discipline: ☒ Structural ☐ Electrical ☐ Plumbing ☐ Mechanical ☐ Reserve Capacity Charges

From: Nationwide Pools

Address: 1923 NW 40th

Pompano FL 33064

E-Mail Address: \_\_\_\_\_

Contact: Robin Hughli

Phone: (954) 864-1249 Fax: (954) 575-1975

PLANS SUBMITTED: (check ☒)

☐ Architectural  
sheet # \_\_\_\_\_

☐ Fire  
sheet # \_\_\_\_\_

☐ Structural  
sheet # \_\_\_\_\_

☐ Zoning  
sheet # \_\_\_\_\_

☐ Electrical  
sheet # \_\_\_\_\_

☐ Engineering  
sheet # \_\_\_\_\_

☐ Mechanical  
sheet # \_\_\_\_\_

☐ RCC  
sheet # \_\_\_\_\_

☐ Plumbing  
sheet # \_\_\_\_\_

☐ Drainage  
sheet # \_\_\_\_\_

☐ Water  
sheet # \_\_\_\_\_

☐ Sewer  
sheet # \_\_\_\_\_

WE ARE SUBMITTING TO YOU (check ☒)

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☐ special delivery ☐ fax copy

☐ E-mail

☐ Initial (original) sets of plans

☐ corrected (non-permitted) plans

☐ revised (permitted) plans

☐ shop drawings: ☐ structural steel

☐ wood trusses

☐ glass/glazing

☐ product approvals

☐ fire protection

☐ spot survey

☐ final survey

☐ energy (insulation) certification

☐ special inspector letter

☒ soil report

☐ inspection reports

☐ energy calcs

☐ site plans

☐ other \_\_\_\_\_

Special Instructions:

Compaction

For Departmental Use Only:

Received by: J. Bars

Date: 10/28/11





# CITY of HOLLYWOOD, FLORIDA

DEPARTMENT OF PLANNING & DEVELOPMENT SERVICES

## Letter of Transmittal

To: City of Hollywood  
P.O. Box 229045  
Hollywood, FL 33022-9045  
Phone: (954) 921-3335 • Fax: (954) 921-3037

Date: 4/26/11  
Process Number: B11-101622  
E-Mail Address: \_\_\_\_\_  
Project/Reference: \_\_\_\_\_

### For Review By: (check ☒ all applicable spaces)

Division: ☒ Building ☒ Zoning ☐ Engineering ☐ Fire ☐ Water/Sewer ☒ Drainage  
Discipline: ☒ Structural ☒ Electrical ☒ Plumbing ☐ Mechanical ☐ Reserve Capacity ☐ Charges

From: Nationwide Pools

Address: 1923 NW 40th  
Pompano FL 33064

E-Mail Address: nationwidepools@bellsouth.net

Contact: Robin Hugh

Phone: 954-864-1449 Fax: 954-222-7165

### PLANS SUBMITTED: (check ☒)

<input type="checkbox"/> Architectural sheet # _____	<input type="checkbox"/> Fire sheet # _____
<input type="checkbox"/> Structural sheet # _____	<input type="checkbox"/> Zoning sheet # _____
<input type="checkbox"/> Electrical sheet # _____	<input type="checkbox"/> Engineering sheet # _____
<input type="checkbox"/> Mechanical sheet # _____	<input type="checkbox"/> RCC sheet # _____
<input type="checkbox"/> Plumbing sheet # _____	<input type="checkbox"/> Drainage sheet # _____
<input type="checkbox"/> Water sheet # _____	<input type="checkbox"/> Sewer sheet # _____

### WE ARE SUBMITTING TO YOU (check ☒)

Via ☒ hand delivery ☐ Postal delivery  
☐ special delivery ☐ fax copy

☐ E-mail

☒ initial (original) sets of plans

☐ corrected (non-permitted) plans

☐ revised (permitted) plans

☐ shop drawings: ☐ structural steel

☐ wood trusses

☐ glass/glazing

☐ product approvals

☐ fire protection

☐ spot survey

☐ final survey

☐ energy (insulation) certification

☐ special inspector letter

☐ soil report

☐ inspection reports

☐ energy calcs

☐ site plans

☐ other \_\_\_\_\_

### Special Instructions:

### For Departmental Use Only:

Received by: \_\_\_\_\_

Date: 4/27/11





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # B11-101623

SUB PERMIT # E11-100829

Permit Type (Check one): ☐ STRUC, ☐ FIRE, ☒ ELEC, ☐ MECH, ☐ PLUMB, ☐ PAVING, ☐ WTR/SWR, ☐ DRAINAGE

APPLICATION DATE 8/9/13 TAX FOLIO No. \_\_\_\_\_

LEGAL DESCRIPTION: HOLLYWOOD LAKES SECTION 1-328, LOT 1 E 50.50, 2, 3 W BLK 42

JOB NAME SULLIVAN, PETER PHONE # C-917-446-9271

JOB ADDRESS 1128 N. NORTHLAKE DRIVE HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME PETER SULLIVAN Email Address pjs33019@yahoo.com

Owners Address 1128 N. NORTHLAKE DRIVE City HOLLYWOOD State FL Zip 33019

WORK DESCRIPTION ELECTRIC FOR SWIMMING POOL INCLUDING PRE-PACKAGED HEAT PUMP

USE/OCCUPANCY RESIDENTIAL SQ. FT. \_\_\_\_\_ Value of Proposed Work: \$ 2K

CONTRACTOR'S COMPANY NAME TBM ELECTRICAL SERVICES, INC PHONE # 954-741-1004

CONTRACTOR'S BUSINESS ADDRESS 10795 NW 53 STREET #209 CITY SUNRISE STATE FL ZIP 33351

CONTRACTOR'S E-MAIL ADDRESS ricktbmelec@aol.com ALTERNATE PHONE # 954-931-5985

QUALIFIER'S NAME RICK MAJDOWSKI STATE CERTIFICATE EC13001315

BROWARD COUNTY CERTIFICATE OF COMPETENCY \_\_\_\_\_ STATE REGISTRATION # \_\_\_\_\_

STATE CERTIFICATION # EC13001315 PHONE # 954-741-1004 FAX # 954-741-0009

ARCHITECT/ENGINEER'S NAME ACE ENVIRONMENTAL SERVICES PHONE # 561-445-1787 FAX # \_\_\_\_\_

ARCHITECT/ENGINEER'S ADDRESS 22171 WATERSIDE DRIVE CITY BOCA RATON STATE FL ZIP 33428

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in the City of Hollywood, Florida. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, PUMPS, FURNACES, BOILERS, HEATERS, TANKS, AIR CONDITIONERS, etc.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with applicable laws regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature Peter Sullivan Date: 7/20/2013

Print Owner / Agent Name PETER SULLIVAN

Signature Rick Majdowski Date: 8/9

Prime Contractor / Print Name RICK MAJDOWSKI

Sworn to (or affirmed) and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_

AUGUST 20 13  
Signature Christine Cunningham  
NOTARY as to Owner/Agent  
My Commission EE128206  
Expires 09/07/2015

Personally Known, ☒ Identification Provided: DRIVER'S LICENSE

Sworn to (or affirmed) and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_

AUGUST 20 13  
Signature Christine Cunningham  
NOTARY as to Contractor  
My Commission EE128206  
Expires 09/07/2015

Personally Known, ☒ I.D. Provided: \_\_\_\_\_

\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.

Application Approved by: [Signature] Permit Officer Effective Code: 20 Florida Building Code

Date 8/27/13





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # B11-101623

SUB PERMIT # \_\_\_\_\_

Permit Type (Check one): ☒ STRUC, ☐ FIRE, ☐ ELEC, ☐ MECH, ☐ PLUMB, ☐ PAVING, ☐ WTR/SWR, ☐ DRAINAGE

APPLICATION DATE 8/9/13

TAX FOLIO No. \_\_\_\_\_

LEGAL DESCRIPTION: HOLLYWOOD LAKES SECTION 1-32B LOT 1E 50.50, 2, 3, W BLK 42

JOB NAME SULLIVAN, PETER

PHONE # C. 917-446-9271

JOB ADDRESS 1128 N. NORTHLAKE DRIVE

HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME PETER SULLIVAN

Email Address pjs33019@yahoo.com

Owners Address 1128 N. NORTHLAKE DRIVE

City HOLLYWOOD State FL Zip 33019

WORK DESCRIPTION FINISH CONSTRUCTION OF ABANDONED SWIMMING POOL

USE/OCCUPANCY RESIDENTIAL

SQ. FT. \_\_\_\_\_

Value of Proposed Work: \$ 40K

CONTRACTOR'S COMPANY NAME CLIFF'S POOLS AND PATIOS

PHONE # 954-742-2000

CONTRACTOR'S BUSINESS ADDRESS 10178 N.W. 47 STREET

CITY SUNRISE STATE FL ZIP 33351

CONTRACTOR'S E-MAIL ADDRESS bizman@bellsouth.net

ALTERNATE PHONE # NONE

QUALIFIER'S NAME CLIFFORD H. FREYMAN

STATE CERTIFICATE \_\_\_\_\_

BROWARD COUNTY CERTIFICATE OF COMPETENCY 09CPC15306X

STATE REGISTRATION # RP252555139

STATE CERTIFICATION # \_\_\_\_\_

PHONE # 954-742-2000 FAX # 954-742-2006

ARCHITECT/ENGINEER'S NAME ACE ENVIRONMENTAL SERVICES

PHONE # 561-445-1787 FAX # \_\_\_\_\_

ARCHITECT/ENGINEER'S ADDRESS 22171 WATERSIDE DRIVE

CITY BOCA RATON STATE FL ZIP 33428

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in the City of Hollywood, Florida. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, AIR CONDITIONERS, etc.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with applicable laws regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature [Signature] Date: 8/9/13

Print Owner / Agent Name PETER SULLIVAN

Sworn to (or affirmed) and subscribed before me this 12 day of

AUGUST, 2013

Signature [Signature]

NOTARY as to Owner/Agent

Personally Known, ☒ Identification Provided: Driver's License

Signature [Signature] Date: 8/9/13

Prime Contractor / Print Name CLIFFORD FREYMAN

Sworn to (or affirmed) and subscribed before me this 12 day of

AUGUST, 2013

Signature [Signature]

NOTARY as to Contractor

Personally Known, ☒ I.D. Provided: \_\_\_\_\_

**\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.**

Application Approved by: \_\_\_\_\_

Permit Officer

Date \_\_\_\_\_



Effective Code: 20 Florida Building Code







**CITY OF HOLLYWOOD, FLORIDA**  
**PERMIT APPLICATION**

MASTER PERMIT # B11-101623  
SUB PERMIT # \_\_\_\_\_

Permit Type (Check one): ☐ STRUC, ☐ FIRE, ☐ ELEC, ☒ MECH, ☐ PLUMB, ☐ PAVING, ☐ WTR/SWR, ☐ DRAINAGE

APPLICATION DATE 8/27/13 TAX FOLIO No. \_\_\_\_\_

LEGAL DESCRIPTION: HOLLYWOOD LAKES SECTION 1-32B, LOT 1E 50.50, 2, 3, W BLK 42

JOB NAME SULLIVAN, PETER PHONE # 0-917-446-9271

JOB ADDRESS 1128 N. NORTHLAKE DRIVE HOLLYWOOD, BROWARD COUNTY, FL. ZIP \_\_\_\_\_

OWNER NAME PETER SULLIVAN Email Address pjs33019@yahoo.com

Owners Address 1128 N. NORTHLAKE DRIVE City HOLLYWOOD State FL Zip 33019

WORK DESCRIPTION INSTALL PRE-PACKAGED POOL HEAT PUMP

USE/OCCUPANCY RESIDENTIAL SQ. Ft. \_\_\_\_\_ Value of Proposed Work \$ 4,000.00

CONTRACTOR'S COMPANY NAME CLIFF'S POOLS AND PATIOS PHONE # 954-742-2000

CONTRACTOR'S BUSINESS ADDRESS 10178 N.W. 47 STREET CITY SUNRISE STATE FL ZIP 33351

CONTRACTOR'S E-MAIL ADDRESS bizman@bellsouth.net ALTERNATE PHONE # \_\_\_\_\_

QUALIFIER'S NAME CLIFFORD FREYMAN STATE CERTIFICATE \_\_\_\_\_

BROWARD COUNTY CERTIFICATE OF COMPETENCY 09-CPC-15306 STATE REGISTRATION # RP252555139

STATE CERTIFICATION # \_\_\_\_\_ PHONE # 954-742-2000 FAX # 954-742-2006

ARCHITECT/ENGINEER'S NAME ACE ENVIRONMENTAL SERVICES PHONE # 561-445-1787 FAX # \_\_\_\_\_

ARCHITECT/ENGINEER'S ADDRESS 22171 WATERIDE DRIVE CITY BOCA RATON STATE FL ZIP 33428

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in the City of Hollywood, Florida. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, AIR CONDITIONERS, etc.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with applicable laws regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature Peter Sullivan Date: \_\_\_\_\_

Print Owner / Agent Name PETER SULLIVAN

Sworn to (or affirmed) and subscribed before me this 23 day of

AUGUST, 20 13  
Notary Public State of Florida  
Christine Cunningham  
My Commission EE128208  
Expires 09/07/2015

Signature Christine Cunningham  
NOTARY as to Owner/Agent  
Personally Known, ☒ Identification Provided: DRIVER'S LICENSE

Signature Cliff Freyman Date: \_\_\_\_\_

Prime Contractor / Print Name CLIFF'S POOLS AND PATIOS

Sworn to (or affirmed) and subscribed before me this 23 day of

AUGUST, 20 13  
Notary Public State of Florida  
My Commission EE128208  
Expires 09/07/2015

Signature Christine Cunningham  
NOTARY as to Contractor  
Personally Known, ☒ I.D. Provided: \_\_\_\_\_

**\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.**

Application Approved by: \_\_\_\_\_ Permit Officer Effective Code: 20\_\_\_\_ Florida Building Code

Date \_\_\_\_\_





**CITY OF HOLLYWOOD, FLORIDA**  
**PERMIT APPLICATION**

MASTER PERMIT # 811-101623  
SUB PERMIT # P11-100662

Permit Type (Check one): ☐ STRUC, ☐ FIRE, ☐ ELEC, ☐ MECH, ☒ PLUMB, ☐ PAVING, ☐ WTR/SWR, ☐ DRAINAGE

APPLICATION DATE 08/27/2013 TAX FOLIO No. \_\_\_\_\_

LEGAL DESCRIPTION: HOLLYWOOD LAKES SECTION 1-32B, LOT 1E 50.50, 2, 3 W BLK 42

JOB NAME SULLIVAN, PETER PHONE # C-917-446-9271

JOB ADDRESS 1128 N. NORTHLAKE DRIVE HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME PETER SULLIVAN Email Address pjs33019@yahoo.com

Owners Address 1128 N. NORTHLAKE DRIVE City HOLLYWOOD State FL Zip 33019

WORK DESCRIPTION POOL HEATER, PIPING & FILTER

USE/OCCUPANCY RESIDENTIAL SQ. FT. \_\_\_\_\_ Value of Proposed Work: \$ 1,500.00

CONTRACTOR'S COMPANY NAME CLIFF'S POOLS AND PATIOS PHONE # 954-742-2000

CONTRACTOR'S BUSINESS ADDRESS 10178 N.W. 47 STREET CITY SUNRISE STATE FL ZIP 33351

CONTRACTOR'S E-MAIL ADDRESS bixman@bellsouth.net ALTERNATE PHONE # \_\_\_\_\_

QUALIFIER'S NAME CLIFFORD H. FREYMAN STATE CERTIFICATE \_\_\_\_\_

BROWARD COUNTY CERTIFICATE OF COMPETENCY 09-CPC-15306X STATE REGISTRATION # RP252555189

STATE CERTIFICATION # \_\_\_\_\_ PHONE # 954-742-2000 FAX # 954-742-2006

ARCHITECT/ENGINEER'S NAME ACE ENVIRONMENTAL SERVICES PHONE # 561-445-1707 FAX # \_\_\_\_\_

ARCHITECT/ENGINEER'S ADDRESS 22171 WATERSIDE DRIVE CITY BOCA RATON STATE FL ZIP 33428

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

FEE SIMPLE TITLE HOLDER ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

BONDING COMPANY ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

MORTGAGE LENDER'S ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with applicable laws regulating construction and zoning.

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Signature [Signature] Date: 8/19/13 Signature [Signature] Date: 8/27/13

Print Owner / Agent Name PETER SULLIVAN Prime Contractor / Print Name CLIFFORD FREYMAN

Sworn to (or affirmed) and subscribed before me this 20 day of Florida, AUGUST, 2013

Signature [Signature] Signature [Signature]

NOTARY as to Owner/Agent NOTARY as to Contractor

Personally Known, Identification Provided: DRIVER'S LICENSE Personally Known, I.D. Provided: \_\_\_\_\_

\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.

Application Approved by: [Signature] Permit Officer Effective Code: 20 Florida Building Code

Date 8/27/13





**CITY OF HOLLYWOOD, FLORIDA**  
**PERMIT APPLICATION**

MASTER PERMIT # B11-101623  
SUB PERMIT # E11-100830

Permit Type (Check one): ☒ STRUC, ☐ FIRE, ☐ ELEC, ☐ MECH, ☐ PLUMB, ☐ PAVING, ☐ WTR/SWR, ☐ DRAINAGE

APPLICATION DATE 08.16.13 TAX FOLIO No. 5K214017040

LEGAL DESCRIPTION: HOLLYWOOD LAKES SECTION 1-32B, LOT 1E 50.50, 2, 3 W BLK 42

JOB NAME SULLIVAN PETER PHONE # C. 917-446-9271

JOB ADDRESS 1128 N. NORTHLAKE DRIVE HOLLYWOOD, BROWARD COUNTY, FL ZIP 33019

OWNER NAME PETER SULLIVAN Email Address pj's 33019@yahoo.com

Owners Address 1128 N. NORTHLAKE DRIVE City HOLLYWOOD State FL Zip 33019

WORK DESCRIPTION INSTALL KID SAFE POOL COVER TO MEET POOL SPA SAFETY ACT

USE/OCCUPANCY RESIDENTIAL SQ. Ft. \_\_\_\_\_ Value of Proposed Work \$ 1163.00

CONTRACTOR'S COMPANY NAME BARRON DEVELOPMENT CORP PHONE # 954-749-7295

CONTRACTOR'S BUSINESS ADDRESS 2890 MARINA MILE BLVD UNIT#115 CITY FT. LAUD STATE FL ZIP 33312

CONTRACTOR'S E-MAIL ADDRESS CINDY@barrondevelopment.com ALTERNATE PHONE # 954-249-4250

QUALIFIER'S NAME JAMES BARRON STATE CERTIFICATE # CGC1518125

BROWARD COUNTY CERTIFICATE OF COMPETENCY \_\_\_\_\_ STATE REGISTRATION # \_\_\_\_\_

STATE CERTIFICATION # \_\_\_\_\_ PHONE # 954-749-7295 FAX # 954-749-0674

ARCHITECT/ENGINEER'S NAME \_\_\_\_\_ PHONE # \_\_\_\_\_ FAX # \_\_\_\_\_

ARCHITECT/ENGINEER'S ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ Zip \_\_\_\_\_

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Signature [Signature] Date: 8/19/2013

Print Owner / Agent Name PETER SULLIVAN

Sworn to (or affirmed) and subscribed before me this 19 day of

Aug, 2013 Notary Public State of Florida

Cindy Correa My Commission EE 178136

Signature [Signature] Expires 06/01/2016

NOTARY as to Owner/Agent Personally Known, Identification Provided: \_\_\_\_\_

Signature [Signature] Date: 08.19.13

Prime Contractor / Print Name JAMES BARRON

Sworn to (or affirmed) and subscribed before me this 19 day of

Aug, 2013 Notary Public State of Florida

Cindy Correa My Commission EE 178136

Signature [Signature] Expires 06/01/2016

NOTARY as to Contractor Personally Known, Identification Provided: \_\_\_\_\_

\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.

Application Approved by: [Signature] Permit Officer

Effective Code: 20\_\_ Florida Building Code

Date 8/27/13





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # B11-101622

Permit Type (Check one): ☒ STRUC ☐ ELEC ☐ MECH ☐ PLUMB ☐ FIRE ☐ PAVING ☐ WTR/SWR ☐ DRAINAGE

APPLICATION DATE \_\_\_\_\_ TAX FOLIO No. 51421401 7040

LEGAL DESCRIPTION: Lot 1 Blk 42 Hollywood Lakes Sect 1-32

JOB NAME Sullivan PHONE # 954 374-9473

JOB ADDRESS 1128 N Northlake Dr HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME Peter Sullivan

Owners Address 1128 N Northlake Dr CITY Hollywood STATE FL ZIP 33019

WORK DESCRIPTION Construction of new pool & spa

USE/OCCUPANCY SFH Sq. Ft. \_\_\_\_\_ Value of Proposed Work: \$ 40,000

CONTRACTOR'S NAME Nationwide Pools PHONE # 954-227-7665 Fax # 954-525-1975

Contractor's Address 1923 NW 40 Ct CITY Pompano STATE FL ZIP 33064

CONTRACTOR'S CERTIFICATION OR REGISTRATION NUMBER: CPCL457011 EMAIL ADDRESS nationwidepools@earthlink.net

ARCHITECT/ENGINEER'S NAME Wayne M Bennett PHONE # 954 818-3951 FAX # \_\_\_\_\_

Architect/Engineer's Address 2655 Fed Hwy CITY Deerfield STATE FL ZIP 33441

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with applicable laws regulating construction and zoning.

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Signature Peter Sullivan Date: 4/18/11 Signature \_\_\_\_\_ Date: 4/18/11

Sworn to (or affirmed) and subscribed before me this 18 day of April, 2011 Sworn to (or affirmed) and subscribed before me this 18 day of April, 2011

Signature \_\_\_\_\_ NOTARY as to Owner/Agent Signature \_\_\_\_\_ NOTARY as to Contractor

Personally Known, Identification Provided: \_\_\_\_\_ Personally Known, Identification Provided: \_\_\_\_\_

\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.

Application Approved by: \_\_\_\_\_ (Permit Officer) Effective Code: 20 Florida Building Code

Rev 01/2011

ROBIN E. HUGLI  
Notary Public - State of Florida  
Commission # DO203483  
My Commission Expires June 1, 2015





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # \_\_\_\_\_

Permit Type (Check one): ☒ STRUC ☐ ELEC ☐ MECH ☐ PLUMB ☐ FIRE ☐ PAVING ☐ WTR/SWR ☐

APPLICATION DATE \_\_\_\_\_

TAX FOLIO No. 514214017040LEGAL DESCRIPTION: Lot 1 Blk 42 Hollywood Lakes Sect 1-32JOB NAME Sullivan PHONE # 954 374JOB ADDRESS 1128 N Northlake Dr HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33OWNER NAME Peter SullivanOwners Address 1128 N Northlake Dr CITY Hollywood STATE FL ZIP 33WORK DESCRIPTION New power deckUSE/OCCUPANCY \_\_\_\_\_ Sq. Ft. 1070 Value of Proposed Work: \$ 0CONTRACTOR'S NAME Nationwide Pools PHONE # 954-227-7665 Fax # 954-5Contractor's Address 1923 NW 40 ct CITY Pompano STATE FL ZIP 33CONTRACTOR'S CERTIFICATION OR REGISTRATION NUMBER: CPL1457011 EMAIL ADDRESS nbeth@nationwidepools.comARCHITECT/ENGINEER'S NAME Wayne M Bennett PHONE # 954 818 3951 FAX # \_\_\_\_\_Architect/Engineer's Address 2655 Fred Hwy CITY Deerfield STATE FL ZIP 33

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_

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OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in conformance with laws regulating construction and zoning.

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Signature Peter Sullivan Date: 4/11/11 Signature \_\_\_\_\_Sworn to (or affirmed) and subscribed before me this 11 day of April, 2011 Sworn to (or affirmed) and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Signature \_\_\_\_\_ NOTARY as to Owner/Agent Signature \_\_\_\_\_

Personally Known, \_\_\_\_\_ Identification Provided: \_\_\_\_\_ Personally Known, \_\_\_\_\_

\*\* Individuals who sign as the owner's agent must first obtain the owner's permission to sign.

Application Approved by: \_\_\_\_\_ (Permit Office)

Effective \_\_\_\_\_





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # \_\_\_\_\_

Permit Type (Check one): ☐ STRUC ☐ ELEC ☐ MECH ☒ PLUMB ☐ FIRE ☐ PAVING ☐ WTR/SWR ☐ DRAINAGE

APPLICATION DATE \_\_\_\_\_

TAX FOLIO No. 514214017040

LEGAL DESCRIPTION: Lot 1 Blk 42 Hollywood Lakes Sect 1-32

JOB NAME Sullivan PHONE # 954 374-9473

JOB ADDRESS 1128 N Northlake Dr HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME Peter Sullivan

Owners Address 1128 N Northlake Dr CITY Hollywood STATE FL ZIP 33019

WORK DESCRIPTION Pool & spa piping & Gas Heater

USE/OCCUPANCY \_\_\_\_\_ Sq. Ft. \_\_\_\_\_ Value of Proposed Work: \$ 3000

CONTRACTOR'S NAME Natronwide Pools PHONE # 954-227-7615 Fax # 954-575-1975

Contractor's Address 1923 NW 40 Ct CITY Pompano STATE FL ZIP 33064

CONTRACTOR'S CERTIFICATION OR REGISTRATION NUMBER: APC1457011 EMAIL ADDRESS natronwidepools@earthlink.net

ARCHITECT/ENGINEER'S NAME Wayne M Bennett PHONE # 954 318-3951 FAX # \_\_\_\_\_

Architect/Engineer's Address 2655 Fed Hwy CITY Deerfield STATE FL ZIP 33441

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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Signature Peter Sullivan Date 4/12/11 Signature [Signature] Date 4/18/11

Sworn to (or affirmed) and subscribed before me this 18 day of April, 2011 Sworn to (or affirmed) and subscribed before me this 18 day of April, 2011

Signature [Signature] NOTARY as to Owner/Agent Signature [Signature] NOTARY as to Contractor

Personally Known, Identification Provided Personally Known, I.D. Provided

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Application Approved by: \_\_\_\_\_ (Permit Office) Effective Code: 20 Florida Building Code

ROBIN E HUGLI  
Notary Public - State of Florida  
Commission # DD793483  
My Commission Expires  
June 1, 2012

ROBIN E HUGLI  
Notary Public - State of Florida  
Commission # DD793483  
My Commission Expires  
June 1, 2012





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # \_\_\_\_\_

Permit Type (Check one): ☐ STRUC ☒ ELEC ☐ MECH ☐ PLUMB ☐ FIRE ☐ PAVING ☐ WTR/SWR ☐ DRAINAGE

APPLICATION DATE \_\_\_\_\_ TAX FOLIO No. 514214017040

LEGAL DESCRIPTION: Lot 1 Blk 42 Hollywood Lakes Sect 1-32

JOB NAME Sullivan PHONE # 954 374-9473

JOB ADDRESS 1128 N Northlake Dr HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME Peter Sullivan

Owners Address 1128 N Northlake Dr CITY Hollywood STATE FL ZIP 33019

WORK DESCRIPTION Electrical Hook-up for pool & Spa

USE/OCCUPANCY \_\_\_\_\_ SQ. FT. \_\_\_\_\_ Value of Proposed Work: \$ 2000-

CONTRACTOR'S NAME IBM Electric LLC PHONE # 954-931-5985 Fax # \_\_\_\_\_

Contractor's Address 10795 NW 53 St CITY Sunrise STATE FL ZIP 33351

CONTRACTOR'S CERTIFICATION OR REGISTRATION NUMBER: EE13001315 EMAIL ADDRESS \_\_\_\_\_

ARCHITECT/ENGINEER'S NAME Wayne M Bennett PHONE # 954 818-3951 FAX # \_\_\_\_\_

Architect/Engineer's Address 2655 Fed Hwy CITY Deerfield STATE FL ZIP 33441

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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Signature Peter Sullivan Date: 4/18/11 Signature Kenneth Date: 4/19/11

Sworn to (or affirmed) and subscribed before me this 18 day of April, 2011 Sworn to (or affirmed) and subscribed before me this 19 day of April, 2011

Signature \_\_\_\_\_ Signature \_\_\_\_\_

NOTARY as to Owner/Agent

NOTARY as to Contractor

Personally Known, Identification Provided: \_\_\_\_\_

Personally Known, I.D. Provided: \_\_\_\_\_

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Application Approved by: \_\_\_\_\_ (Permit Office) Effective Code: 20 Florida Building Code





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # \_\_\_\_\_

Permit Type (Check one): ☐ STRUC ☒ ELEC ☐ MECH ☐ PLUMB ☐ FIRE ☐ PAVING ☐ WTR/SWR ☐ DRAINAGE

APPLICATION DATE \_\_\_\_\_ TAX FOLIO No. 514214017040

LEGAL DESCRIPTION: Lot 1 Blk 42 Hollywood Lakes Sect 1-32

JOB NAME Sullivan PHONE # 954 374 4473

JOB ADDRESS 1128 N Northlake Dr HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME Peter Sullivan

Owners Address 1128 N Northlake Dr CITY Hollywood STATE FL ZIP 33019

WORK DESCRIPTION Alarms for Security Act

USE/OCCUPANCY \_\_\_\_\_ SQ. FT. \_\_\_\_\_ Value of Proposed Work: \$ 200 -

CONTRACTOR'S NAME TBM Electrical PHONE # 954 931 5505 Fax # \_\_\_\_\_

Contractor's Address 10795 NW 53 St CITY Sunrise STATE FL ZIP 33351

CONTRACTOR'S CERTIFICATION OR REGISTRATION NUMBER: EC13001315 EMAIL ADDRESS \_\_\_\_\_

ARCHITECT/ENGINEER'S NAME Wayne M Bennett PHONE # 954 818 3951 Fax # \_\_\_\_\_

Architect/Engineer's Address 2655 Fed Hwy CITY Deerfield STATE FL ZIP 33441

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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Signature Peter Sullivan Date: 4/18/11 Signature Robin E. Hugel Date: 4/18/11

Sworn to (or affirmed) and subscribed before me this 18 day of April, 2011 Sworn to (or affirmed) and subscribed before me this 18 day of April, 2011

Signature \_\_\_\_\_ Signature \_\_\_\_\_

NOTARY as to Owner/Agent

NOTARY as to Contractor

Personally Known, Identification Provided

Personally Known, I.D. Provided

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Application Approved by: \_\_\_\_\_ (Permit Office) Effective Code: 20 Florida Building Code





**CITY OF HOLLYWOOD, FLORIDA**  
**PERMIT APPLICATION**

MASTER PERMIT # \_\_\_\_\_

Permit Type (Check one): ☐ STRUC ☐ ELEC ☐ MECH ☒ PLUMB ☐ FIRE ☐ PAVING ☐ WTR/SWR ☐ DRAINAGE

APPLICATION DATE 11/8/11

TAX FOLIO No. 51421401 7040

LEGAL DESCRIPTION: Hollywood Lakes Sec 1-32B

JOB NAME Sullivan PHONE # 954-864-1649

JOB ADDRESS 1128 N Northlake Dr HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME Peter Sullivan

Owners Address 1125 N Northlake Dr CITY Hollywood STATE FL ZIP 33019

WORK DESCRIPTION pool & spa Piping

USE/OCCUPANCY \_\_\_\_\_ SQ. FT. \_\_\_\_\_ Value of Proposed Work: \$ 1500-

CONTRACTOR'S NAME Nationwide Pools PHONE # 954-227-7668 Fax # 954-575-1975

Contractor's Address 1933 NW 40th CITY Pompano STATE FL ZIP 33064

CONTRACTOR'S CERTIFICATION OR REGISTRATION NUMBER: CPC1457011 EMAIL ADDRESS \_\_\_\_\_

ARCHITECT/ENGINEER'S NAME Wayne M Bennett PHONE # 954-218-3952 FAX # \_\_\_\_\_

Architect/Engineer's Address 265 S Fed Hwy CITY Deerfield STATE FL ZIP 33441

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in the City of Hollywood, Florida. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, AIR CONDITIONERS, etc.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with applicable laws regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature [Signature] Date: 11/8/11 Signature [Signature] Date: 11/8/11  
Owner or Agent Prime Contractor

Sworn to (or affirmed) and subscribed before me this 8 day of Nov Sworn to (or affirmed) and subscribed before me this 8 day of Nov

Nov 2011  
Signature \_\_\_\_\_  
Notary Public - State of Florida  
Commission # DD793483

NOTARY as to Owner/Agent  
Personally Known, Identification Provided: PRC  
Commission Expires June 1, 2012

Nov 2011  
Signature \_\_\_\_\_  
Notary Public - State of Florida  
Commission # DD793483

NOTARY as to Contractor  
Personally Known, I.D. Provided: \_\_\_\_\_  
Commission Expires June 1, 2012

**\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.**

Application Approved by: TP (Permit Office) Effective Code: 20 Florida Building Code



AFTER RECORDING - RETURN TO:

PERMIT NUMBER:

B11-101623

**NOTICE OF COMMENCEMENT**

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. DESCRIPTION OF PROPERTY (Legal description of the property & street address, if available) TAX FOLIO NO.: 5142 14 01 7040  
SUBDIVISION Hollywood Lakes Sd BLOCK \_\_\_\_\_ TRACT \_\_\_\_\_ LOT \_\_\_\_\_ BLDG \_\_\_\_\_ UNIT \_\_\_\_\_

2. GENERAL DESCRIPTION OF IMPROVEMENT:

Construction of New Pool/spa & Paver Deck

3. OWNER INFORMATION OR LESSEE INFORMATION IF THE LESSEE CONTRACTED FOR THE IMPROVEMENT:

a. Name and address: Peter Sullivan 1128 N. Northlake Dr Hollywood FL 33019  
b. Interest in property: Owner

c. Name and address of fee simple titleholder (if different from Owner listed above): \_\_\_\_\_

4. a. CONTRACTOR'S NAME: Nationwide Pools Inc

Contractor's address: 1923 NW 40th Pkwy Pompano FL 33064 Phone number: \_\_\_\_\_

5. SURETY (if applicable, a copy of the payment bond is attached):

a. Name and address: \_\_\_\_\_

b. Phone number: \_\_\_\_\_

c. Amount of bond: \$ \_\_\_\_\_

6. a. LENDER'S NAME: \_\_\_\_\_

Lender's address: \_\_\_\_\_

b. Phone number: \_\_\_\_\_

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1) (a) 7, Florida Statutes:

a. Name and address: \_\_\_\_\_

b. Phone numbers of designated persons: \_\_\_\_\_

8. a. In addition to himself or herself, Owner designates \_\_\_\_\_ of \_\_\_\_\_ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

b. Phone number of person or entity designated by Owner: \_\_\_\_\_

9. Expiration date of notice of commencement (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified): \_\_\_\_\_, 20 \_\_\_\_\_

**WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated therein are true to the best of my knowledge and belief.

[Signature]  
(Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Partner/Manager)

Peter Sullivan  
(Print Name and Provide Signatory's Title/Office)

State of Florida  
County of Broward

The foregoing instrument was acknowledged before me this 12 day of Oct, 20 11  
by Peter Sullivan, as Owner  
(name of person) (type of authority, e.g. officer, trustee, attorney in fact)  
for \_\_\_\_\_  
(name of party on behalf of whom instrument was executed)

Personally Known ☒ or Produced Identification \_\_\_\_\_ Type of Identification Produced \_\_\_\_\_

ROBIN E HUGLI  
Notary Public - State of Florida  
Cdn. # 00793483  
My Commission Expires  
June 1, 2012

[Signature]  
(Signature of Notary Public)  
(Print Type, or Stamp Commissioned Name of Notary Public)

Rev. 10-01-11 (5-Recording)



County of Broward  
By Mary C. Williams  
Deputy Clerk  
Filed for recording the 14 day of Oct, 20 11

10/19/11  
ED



**CITY OF HOLLYWOOD**  
**PLANNING & DEVELOPMENT SERVICES**

PERMIT # FI-100830

**Residential Swimming Pool, Spa and Hot Tub Safety Act**  
**Notice of Requirements**

I (We) Acknowledge that a new swimming pool, spa or hot tub will be constructed or installed at 1128 N. Northlake Drive, Hollywood FL 33019 and hereby affirm that one of the following methods will be used to meet the requirements of Chapter 515, Florida Statute and Florida Building Code Section 424.2.  
(Please print Job Address)

~ Please initial the method(s) to be used for your pool or spa~

- ☒ The pool will be equipped with an approved safety pool cover that complies with ASTM F1346-91. (Submit Manufacturer's Specifications).
- ☐ A continuous, one piece (child) barrier meeting the requirements of Florida Building Code 424.2.17 will protect the pool perimeter. The plans shall show the fence location and method of attachment, including one end that shall not be removable without the aid of tools. (Submit Manufacturer's Specifications).
- ☐ A combination of non-dwelling walls and fences (screen enclosure, child fence, masonry fence walls, chain link or wood fence, etc.) will protect the pool perimeter. The plans must specify the type and location of all non-dwelling walls.
- ☐ Any combination of protection which incorporates dwelling walls with openings directly into the pool perimeter and all windows and doors will be equipped with exit alarms complying with Florida Building Code, 424.2.17.1.9 (Submit Manufacturer's Specifications).
- ☐ Any combination of protection which incorporates dwelling walls with openings directly into the pool perimeter and all doors will be equipped with a self-latching device with positive mechanical latching/locking installed a min. 54" above the threshold. If this option is selected, submit plans showing all types and location of all perimeter protection. The plans must also show the location and type of all openings, and the hardware type for each location. (Submit Manufacturer's Specifications).

Final inspection of the pool project cannot be approved without compliance with the Private Swimming Pool Safety Requirements.

I understand that not having one of the above installed will constitute a violation of Chapter 515, F.S., and will be considered as committing a misdemeanor of the second degree, punishable as provided in Section 775.082 or Section 775.083 F.S. This form must be signed by the owner/agent and the prime contractor.

PETER SULLIVAN  
Owner/Agent Printed Name,

[Signature]  
Signature

8/19/2013  
Date

JAMES BARRON  
Prime Contractor Printed Name,

[Signature]  
Signature

[Signature]  
Notary Signature

Date Commission Expires:





Date: 08.16.13

City of Hollywood  
Building Division  
2600 Hollywood Blvd.  
Hollywood, Florida 33021

Re: Request to change the Contractor of Record and Hold Harmless Affidavit for the following:

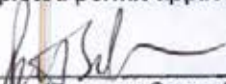
PERMIT NUMBER: B11-103698  
PROPERTY OWNER: PETER SULLIVAN  
PROJECT ADDRESS: 1128 N. NORTHLAKE DRIVE, HOLLYWOOD, FL 33019  
EXISTING CONTRACTOR: NATIONWIDE POOLS INC.  
NEW CONTRACTOR: BARRON DEVELOPMENT CORP CERT. #: CGC1518125  
NEW CONTRACTOR ADDRESS (STREET/TOWN/STATE/ZIP CODE):  
2890 MARINA MILE BLVD, UNIT #116, FORT LAUDERDALE, FL 33312

To Whom It May Concern:

The existing contractor for the above referenced project:

- ☒ has abandoned the project.  
☐ is unwilling to complete the project.  
☐ is unable to complete the project.

I (we) therefore, request the replacement of the existing contractor with the new contractor noted above. In accordance with the Florida Building Code, Broward County Administrative Provisions Section 105.13.4.1, the undersigned agree to hold the Building Official and the City of Hollywood harmless from legal involvement. Also as noted below, a copy of this letter has been mailed to the existing contractor. I (we) understand that when this request relates to a change in the primary contractor, this letter must only be signed by the property owner; and that when the request relates to a sub contractor, both the property owner and prime contractor, must sign the letter. There is a fee which will be charged for the processing of this request. Also included is a new completed permit application for the new contractor.

  
(PROPERTY OWNER SIGNATURE)  
PETER SULLIVAN  
(PRINT NAME)

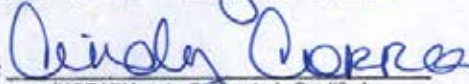

  
(SIGNATURE OF CONTRACTOR'S QUALIFIER)  
JAMES BARRON  
(PRINT NAME)

Sworn to (or affirmed) and subscribed before me this  
16 day of Aug, 20 13.

Signature:   
(NOTARY as to Property Owner)  
Personally Known: 

Cc. NATIONWIDE POOLS  
(Existing Contractor)

Sworn to (or affirmed) and subscribed before me this  
16 day of Aug, 20 13.

Signature:   
(NOTARY as to Contractor's Qualifier)  
Personally Known: 





# CITY OF HOLLYWOOD, FLORIDA PERMIT APPLICATION

MASTER PERMIT # 811-101623

SUB PERMIT # 811-108698

Permit Type (Check one): ☒ STRUC, ☐ FIRE, ☐ ELEC, ☐ MECH, ☐ PLUMB, ☐ PAVING, ☐ WTR/SWR, ☐ DRAINAGE

APPLICATION DATE 08.16.13

TAX FOLIO No. 514214017040

LEGAL DESCRIPTION: HOLLYWOOD LAKES SECTION 1-32B, LOT 1E 50.50 2, 3 W BLK 42

JOB NAME SULLIVAN, PETER

PHONE # 6917-446-9271

JOB ADDRESS 1128 N. NORTHLAKE DRIVE

HOLLYWOOD, BROWARD COUNTY, FL. ZIP 33019

OWNER NAME PETER SULLIVAN

Email Address pjs33019@yahoo.com

Owners Address 1128 N. NORTHLAKE DRIVE

City HOLLYWOOD State FL Zip 33019

WORK DESCRIPTION DECK - WITHOUT ROOF. CONCRETE DECK

USE/OCCUPANCY RESIDENTIAL

SQ. FT. \_\_\_\_\_

Value of Proposed Work \$ \_\_\_\_\_

CONTRACTOR'S COMPANY NAME BARRON DEVELOPMENT, INC.

PHONE # 954-749-7295

CONTRACTOR'S BUSINESS ADDRESS 2890 MARINA MILE BLVD #115

CITY FT LAUD STATE FL ZIP 33312

CONTRACTOR'S E-MAIL ADDRESS cind@barrondevelopment.com

ALTERNATE PHONE # 954-249-4250

QUALIFIER'S NAME JAMES BARRON

STATE CERTIFICATE CGC1818125

BROWARD COUNTY CERTIFICATE OF COMPETENCY \_\_\_\_\_

STATE REGISTRATION # \_\_\_\_\_

STATE CERTIFICATION # \_\_\_\_\_

PHONE # 954-749-7295 FAX # 954-749-0674

ARCHITECT/ENGINEER'S NAME IN-SITE DESIGN GROUP INC.

PHONE # 954-921-5333 FAX # 954-921-6769

ARCHITECT/ENGINEER'S ADDRESS 1609 RODMAN STREET

CITY HOLLYWOOD STATE FL ZIP 33020

FEE SIMPLE TITLE HOLDER NAME \_\_\_\_\_

Fee Simple Title Holder Address \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

Zip \_\_\_\_\_

BONDING COMPANY NAME \_\_\_\_\_

Bonding Company Address \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

Zip \_\_\_\_\_

MORTGAGE LENDER'S NAME \_\_\_\_\_

Mortgage Lender's Address \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

Zip \_\_\_\_\_

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in the City of Hollywood, Florida. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, AIR CONDITIONERS, etc.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with applicable laws regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature [Signature] Date: 8/19/2013

Signature [Signature] Date: 08.16.13

Print Owner / Agent Name PETER SULLIVAN

Prime Contractor / Print Name JAMES BARRON

Sworn to (or affirmed) and subscribed before me this 16 day of Aug, 2013  
Notary Public State of Florida  
Cindy Correa  
My Commission EE 178136  
Expires 06/01/2016

Sworn to (or affirmed) and subscribed before me this 16 day of Aug, 2013  
Notary Public State of Florida  
Cindy Correa  
My Commission EE 178136  
Expires 06/01/2016

Signature [Signature]

NOTARY as to Owner/Agent

Personally Known, \_\_\_\_\_

Identification Provided: \_\_\_\_\_

Signature [Signature]

NOTARY as to Contractor

Personally Known, \_\_\_\_\_

Identification Provided: \_\_\_\_\_

\*\* Individuals who sign as the owner's agent must first obtain the owner's authorization to sign on their behalf.

Application Approved by: [Signature]

Permit Officer

Effective Code: 20\_\_ Florida Building Code

Date 8/28/13



City of Hollywood  
Building Division  
2600 Hollywood Blvd.  
Hollywood, Florida 33021

MASTER  
B11-101623

Date: 8/9/13

Re: Request to change the Contractor of Record and Hold Harmless Affidavit for the following:

PERMIT NUMBER: E11-100829 - EXPIRED

PROPERTY OWNER: PETER SULLIVAN

PROJECT ADDRESS: 1128 N. NORTHLAKE DRIVE, HOLLYWOOD 33019

EXISTING CONTRACTOR: TBM ELECTRICAL SERVICES

NEW CONTRACTOR: TBM ELECTRICAL SERVICES CERT. #: EC13001315

NEW CONTRACTOR ADDRESS (STREET/TOWN/STATE/ZIP CODE):

10795 N.W. 53 STREET #209, SUNRISE, FL 33351


To Whom It May Concern:

The existing contractor for the above referenced project:

- ☐ has abandoned the project.  
☐ is unwilling to complete the project.  
☐ is unable to complete the project.

☒ WORK NEVER STARTED. ☒ NOW SUB-CONTRACTOR TO CLIFF'S POOLS

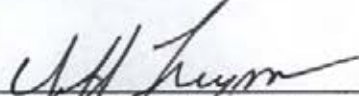
I (we) therefore, request the replacement of the existing contractor with the new contractor noted above. In accordance with the Florida Building Code, Broward County Administrative Provisions Section 105.13.4.1, the undersigned agree to hold the Building Official and the City of Hollywood harmless from legal involvement. Also as noted below, a copy of this letter has been mailed to the existing contractor. I (we) understand that when this request relates to a change in the primary contractor, this letter must only be signed by the property owner; and that when the request relates to a sub contractor, both the property owner and prime contractor, must sign the letter. There is a fee which will be charged for the processing of this request. Also included is a new completed permit application for the new contractor.



(PROPERTY OWNER SIGNATURE)

PETER SULLIVAN

(PRINT NAME)



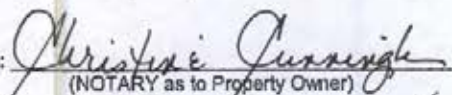
(SIGNATURE OF CONTRACTOR'S QUALIFIER)

CLIFFORD FREYMAN

(PRINT NAME)

Sworn to (or affirmed) and subscribed before me this

12 day of AUGUST, 20 13

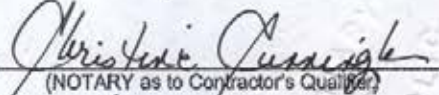
Signature:   
(NOTARY as to Property Owner)

Personally Known: ☐ Identification Provided: ☒

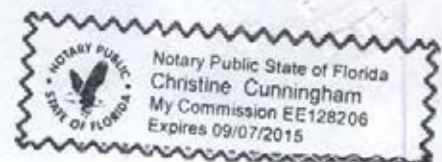


Sworn to (or affirmed) and subscribed before me this

12 day of AUGUST, 20 13

Signature:   
(NOTARY as to Contractor's Qualifier)

Personally Known: ☒ Identification Provided: ☐





Date: 8/9/13

City of Hollywood  
Building Division  
2600 Hollywood Blvd.  
Hollywood, Florida 33021

Re: **Request to change the Contractor of Record and Hold Harmless Affidavit** for the following:

PERMIT NUMBER: B11-101623 - EXPIRED

PROPERTY OWNER: PETER SULLIVAN

PROJECT ADDRESS: 1128 N. NORTHLAKE DRIVE, HOLLYWOOD, FL 33019

EXISTING CONTRACTOR: NATIONWIDE POOLS, INC.

NEW CONTRACTOR: CLIFF'S POOLS AND PATIOS CERT. #: GAC-09-15306

NEW CONTRACTOR ADDRESS (STREET/TOWN/STATE/ZIP CODE): 09-CPC-15306X

10178 N.W. 47 STREET, SUNRISE FL 33351

To Whom It May Concern:

The existing contractor for the above referenced project:

- ☒ has abandoned the project.  
☐ is unwilling to complete the project.  
☐ is unable to complete the project.

I (we) therefore, request the replacement of the existing contractor with the new contractor noted above. In accordance with the Florida Building Code, Broward County Administrative Provisions Section 105.13.4.1, the undersigned agree to hold the Building Official and the City of Hollywood harmless from legal involvement. Also as noted below, a copy of this letter has been mailed to the existing contractor. **I (we) understand that when this request relates to a change in the primary contractor, this letter must only be signed by the property owner; and that when the request relates to a sub contractor, both the property owner and prime contractor, must sign the letter.** There is a fee which will be charged for the processing of this request. Also included is a new completed permit application for the new contractor.

(PROPERTY OWNER SIGNATURE)

PETER SULLIVAN

(PRINT NAME)

(SIGNATURE OF CONTRACTOR'S QUALIFIER)

CLIFF FREYMAN

(PRINT NAME)

Sworn to (or affirmed) and subscribed before me this

9 day of AUGUST, 20 13.

Signature:

(NOTARY as to Property Owner)

Personally Known: ☐ Identification Provided: ☒

Sworn to (or affirmed) and subscribed before me this

9 day of AUGUST, 20 13.

Signature:

(NOTARY as to Contractor's Qualifier)

Personally Known: ☒ Identification Provided: ☐

Cc.

KEITH STEWART

(Existing Contractor)





Date: 08/27/2013

City of Hollywood  
Building Division  
2600 Hollywood Blvd.  
Hollywood, Florida 33021

Re: **Request to change the Contractor of Record and Hold Harmless Affidavit** for the following:

PERMIT NUMBER: P11-100663  
PROPERTY OWNER: PETER SULLIVAN  
PROJECT ADDRESS: 1128 N. NORTHLAKE DRIVE, HOLLYWOOD 33019  
EXISTING CONTRACTOR: NATIONWIDE POOLS INC.  
NEW CONTRACTOR: CLIFFS POOLS AND PATIOS CERT. #: 09-CPC-15306X  
NEW CONTRACTOR ADDRESS (STREET/TOWN/STATE/ZIP CODE):  
10178 N.W. 47 STREET, SUNRISE FL 33351

To Whom It May Concern:

The existing contractor for the above referenced project:

- ☒ has abandoned the project.  
☐ is unwilling to complete the project.  
☐ is unable to complete the project.

I (we) therefore, request the replacement of the existing contractor with the new contractor noted above. In accordance with the Florida Building Code, Broward County Administrative Provisions Section 105.13.4.1, the undersigned agree to hold the Building Official and the City of Hollywood harmless from legal involvement. Also as noted below, a copy of this letter has been mailed to the existing contractor. **I (we) understand that when this request relates to a change in the primary contractor, this letter must only be signed by the property owner; and that when the request relates to a sub contractor, both the property owner and prime contractor, must sign the letter.** There is a fee which will be charged for the processing of this request. Also included is a new completed permit application for the new contractor.

  
(PROPERTY OWNER SIGNATURE)

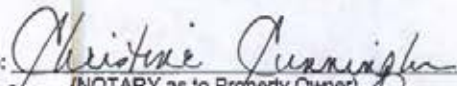
PETER SULLIVAN  
(PRINT NAME)

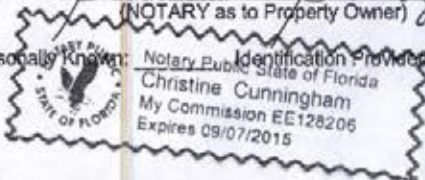
  
(SIGNATURE OF CONTRACTOR'S QUALIFIER)

CLIFFORD FREYMAN  
(PRINT NAME)

Sworn to (or affirmed) and subscribed before me this

20 day of AUGUST, 20 13.

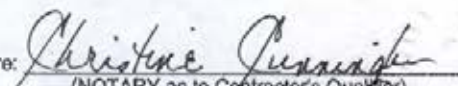
Signature:   
(NOTARY as to Property Owner)

Personally Known: ☒ Identification Provided: DRIVER'S LICENSE  


Cc. \_\_\_\_\_  
(Existing Contractor)

Sworn to (or affirmed) and subscribed before me this

20 day of AUGUST, 20 13.

Signature:   
(NOTARY as to Contractor's Qualifier)

Personally Known: ☒ Identification Provided: \_\_\_\_\_





Date: 08.16.13

City of Hollywood  
Building Division  
2600 Hollywood Blvd.  
Hollywood, Florida 33021

Re: Request to change the Contractor of Record and Hold Harmless Affidavit for the following:

PERMIT NUMBER: EH-100830

PROPERTY OWNER: PETER SULLIVAN

PROJECT ADDRESS: 1128 N. NORTHLAKE DRIVE, HOLLYWOOD, FL 33019

EXISTING CONTRACTOR: TBM ELECTRICAL SERVICES

NEW CONTRACTOR: BARRON DEVELOPMENT CORP CERT. #: CGC1518125

NEW CONTRACTOR ADDRESS (STREET/TOWN/STATE/ZIP CODE):

2890 MARINA MILE BLVD UNIT #115, FORT LAUDERDALE, FL 33312

To Whom It May Concern:

The existing contractor for the above referenced project:

       has abandoned the project.

       is unwilling to complete the project.

☒ is unable to complete the project.

☒ RESIDENTIAL POOL SPA SAFETY ACT SELECTION HAS CHANGED.

I (we) therefore, request the replacement of the existing contractor with the new contractor noted above. In accordance with the Florida Building Code, Broward County Administrative Provisions Section 105.13.4.1, the undersigned agree to hold the Building Official and the City of Hollywood harmless from legal involvement. Also as noted below, a copy of this letter has been mailed to the existing contractor. I (we) understand that when this request relates to a change in the primary contractor, this letter must only be signed by the property owner; and that when the request relates to a sub contractor, both the property owner and prime contractor, must sign the letter. There is a fee which will be charged for the processing of this request. Also included is a new completed permit application for the new contractor.

[Signature]  
(PROPERTY OWNER SIGNATURE)

PETER SULLIVAN  
(PRINT NAME)

[Signature]  
(SIGNATURE OF CONTRACTOR'S QUALIFIER)

JAMES BARRON  
(PRINT NAME)

Sworn to (or affirmed) and subscribed before me this  
16 day of Aug, 2013.

Signature: Cinder Correa  
(NOTARY as to Property Owner)  
Notary Public State of Florida  
My Commission EE 178136  
Expires 06/01/2016

Cc. TBM ELECTRICAL SERVICES  
(Existing Contractor)

Sworn to (or affirmed) and subscribed before me this  
16 day of Aug, 2013.

Signature: Cinder Correa  
(NOTARY as to Contractor's Qualifier)  
Notary Public State of Florida  
My Commission EE 178136  
Expires 06/01/2016

Broward License: CPC-0915306  
Palm Beach License: U-21339  
State License: RP252555139  
CPO® Registration #33-121957



178 NW 47th Street  
Sunrise FL 33351  
954-742-2000 Phone  
954-742-2006 Fax  
www.cliffspools.com  
bizman@bellsouth.net

August 27, 2013

Chief Plumbing Inspector  
City of Hollywood  
2600 Hollywood Boulevard  
Hollywood, FL 33022

Ref: Permit # P11-100664



Dear Sir:

As this contractor is attempting to finish the swimming pool construction project, abandoned by Nationwide Pools, a plan revision was prepared to change the pool heater from gas to electric.

In reference to the above permit, there exists no requirement to prepare a 'change of contractor' application for this "gas pipe" sub-permit. The sub-permit should simply be VOID.

In lieu of a gas pipe sub-permit, a new 'mechanical' permit application is hereby submitted for the installation of a pre-packaged swimming pool heat pump.

Sincerely,

Clifford Freyman  
09-CPC-15306X  
Contractor

  
NOTARY PUBLIC



## Kid Safe Pool Nets, Inc.


[Home](#)
[About Kid Safe Pool Nets](#)
[What's a Pool Safety Net?](#)
[What makes them Safe?](#)
[What goes in my Deck?](#)
[Safety Nets VS Baby Fence](#)
[Swimming Pool Safety](#)
[A few pictures...](#)
[State Barrier Requirements](#)
[Specifications and Warranty](#)
[Contact and Estimates](#)

## SPECIFICATIONS.

### Netting:

Mesh Size: 3.5 Inches (Required to meet **ASTM 1346-91 Standards**)

Braid : 100% Polyethylene with UV inhibitors built in for prolonged lifespan

NetBraid Size: 1/4 Inch

Tension Line: 3/8 Inch

Nylon Pulleys: 2 1/4 Inch Body Length. Pulley Wheel, 1 Inch diameter, 5/16 Inch width

Net Strength: Tested up to 485 lbs for ASTM 1346-91 standard, but the net has supported far heavier weights such as horses and vehicles

Expected life 7 to 10 years

### Installation Fittings :

Surface Mount Plates: 3.5 inch plate with two anchor positions and two screw holes, Glass filled nylon for increased resistance to sun and chemicals,

Available in Grey, Terra Cotta and Beige (cream)

Flush Mount Anchors: 1/4 inch diameter barrel with flanges 1.5 inch depth

Brass or Glass filled nylon for increased resistance to sun and chemicals  
Available in Grey, Terra Cotta, Beige (cream) and Brass.

Anchor Hook 4mm Stainless Steel wire hook

### Alternate Anchors

1/4 inch x 2 inch Stainless Steel eye bolts, 1/4 inch Stainless Steel drop anchors, Stainless Steel S- hooks (Gate hook), min .141 x 1.5 inch.



## WARRANTY:

Kid Safe Pool Nets, Inc. warrants the Kid Safe Pool Net to be free of defects in workmanship and materials under normal use and service for a period of three years from installation. The Manufacturer, at their discretion, will repair or replace any defects in the net to ensure its continued use and operation.

This warranty does not extend to misuse of the net or fittings, including damage caused by animals or damage caused by hot objects (eg: barbecues). Further, the warranty does not extend to the pool decking or coping (or other fastening surface).

Kid Safe Pool Nets, Inc. makes no other express or implied representation or warranties of any kind, as to the use of the product, the effectiveness of the product for a particular purpose or any other matter except those described here.

In the event that the product fails to meet the warranty standards as described above, the Manufacturer will repair or replace the product. The manufacturer will bear no other expense, including labor costs of any kind. The Purchaser's only remedy for breach of warranty, including in the case of negligence, is limited to the repair or replacement of the net as described above.





# Kid Safe Pool Nets

## Product Specifications

### Main Net

Mesh Size:	3.5 Inches (Required to meet ASTM 1346-91 Standards)
Braid:	100% Polyethylene with UV inhibitors built in. for prolonged lifespan
Net Braid	1/4 Inch
Tension Lines	3/8 Inch
Nylon Pulleys	2 3/4 Inch Body Length Pulley Wheel, 1 Inch diameter, 5/16 Inch width
Net Strength:	Tested up to 485 lbs for ASTM 1346-91 standard
Expected life:	Between 7 to 10 years

### Installation Fittings

Surface Mount Plates	3.5 inch plate with two anchor positions and two screw holes Glass filled nylon for increased resistance to sun and chemicals Available in Grey, Terra Cotta and Beige (cream)
Flush Mount	3/4 inch diameter barrel with flanges 1.5 inch depth Brass or Glass filled nylon for increased resistance to sun and chemicals Available in Grey, Terra Cotta, Beige (cream) and Brass
Anchor Hook	4mm Stainless Steel wire hook
Alternate Anchors	1/4 inch x 2 inch Stainless Steel eye bolts 1/4 inch Stainless Steel drop anchors Stainless Steel S- hooks (Gate hook), min .141 x 1.5 inch

APPLIED



RESEARCH LABORATORIES

5371 N.W. 181st STREET • MIAMI, FLORIDA 33014-6223

Website: [www.arl-test.com](http://www.arl-test.com) • Email: [arptest@aol.com](mailto:arptest@aol.com)

PH. (305) 624-4800 • FAX: (305) 624-3652

April 11, 2001

FAX: (954) 523-4189

Mr. Kim Nothard  
President  
Kid Safe Pool Nets  
215 SW 14 Way  
Fort Lauderdale, FL 33312

RE: L/N 30137

Dear Mr. Nothard:

This letter is regarding the safety testing of your Pool Safety Net. As you know, this test program has been successfully completed.

The safety net was tested to assure compliance with ASTM F-1346-91, Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs" and the work was performed under the above referenced ARL file number.

The model that was tested and found to comply with the standard is trade-named "Kid Safe." This letter will serve as confirmation that these units are Listed by ARL effective March 20, 2001 and you are authorized to label your products with the ARL Listing Mark.

Your Certification Report and Follow-up Service Procedure are in the process of being finalized and will be forwarded to you upon completion. If you have any questions, please do not hesitate to contact ARL.

Cordially,

Alan B. Sukert  
Director of Engineering

ABS/tn



# Kid Safe Pool Nets.

THIS MANUAL SAFETY COVER COMPLIES WITH ALL STANDARDS AS SPECIFIED BY ASTM DESIGNATION F1346-91

1.866.463.5700

[www.kidsafepoolnets.com](http://www.kidsafepoolnets.com)



## WARNING

AVOID DROWNING RISK

- REMOVE COVER COMPLETELY BEFORE ENTRY OF BATHERS - ENTRAPMENT POSSIBLE
- NON-SECURED OR IMPROPERLY SECURED COVERS ARE A HAZARD
- FAILURE TO FOLLOW ALL INSTRUCTIONS MAY RESULT IN DROWNING OR INJURY
- KEEP WATER LEVEL 5" BELOW NET

Date: \_\_\_\_\_

PLEASE INSPECT THIS SAFETY NET MONTHLY FOR  
PREMATURE WEAR AND TEAR OR DETERIORATION.

APPLIED



RESEARCH LABORATORIES

5371 N.W. 161st Street • Miami, Florida 33014

Phone (305) 624 - 4800 • Fax (305) 624 - 3652 • Email ARLTEST@aol.com

Kid Safe

# Pool Safety Net

## Installation Manual

L/N 30511

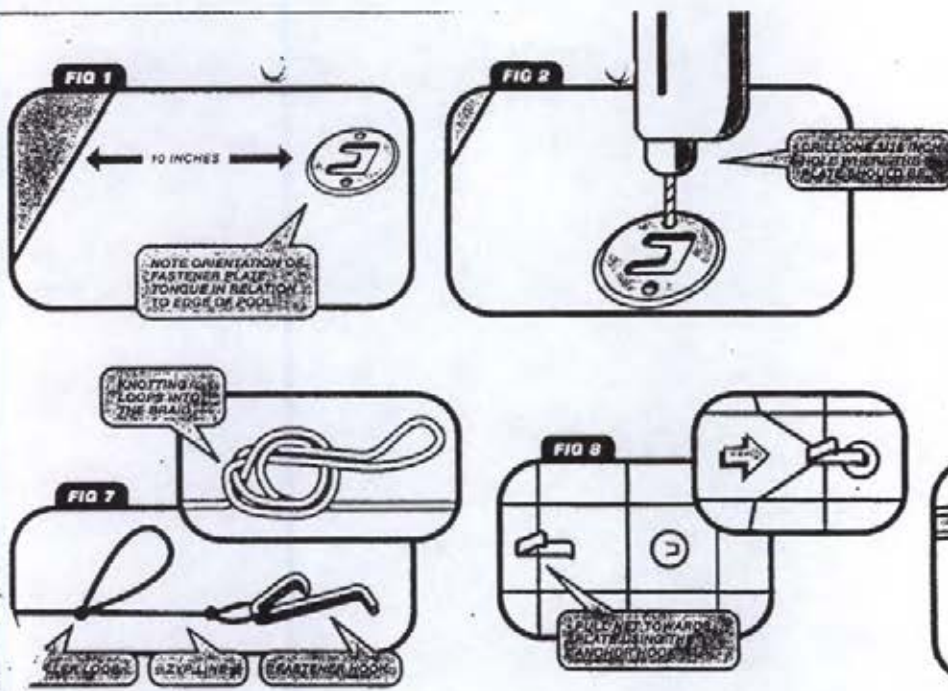
Kid Safe Pool Nets, Inc.

Issued 10/18/04

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Please read through the entire installation manual before you begin.

## Installing the Plates

Place the stainless steel plates around the pool not less than 10" from the edge (Fig. 1). (If you must be less than 10" from the edge, place the plates closer together.) Spread them so that they are distributed evenly around the pool, with spacing of about 27". Keep three plates for later use. Note: Be careful to avoid hard-to-reach places (such as under diving boards). If one or more of the plates are obstructed or fall on a filter cover, simply place one plate before the obstruction and one plate after the obstruction. Narrow the spacing of the plates leading up to the obstruction to retain the even look. In all cases, make sure the tongue faces away from the water.

Drill one 3/16" hole where the plate will be (Fig. 2).  
Fit the plate in place by hammering in one nail plug (Fig. 3).

Drill the second hole and insert the nail plug. Choose one plate to be the marker plate. This plate will be used to mark where the first hook will be inserted to ensure all hooks go into the correct plates. When installing the marker plate, slip the red colored plastic washer under the nail plugs to mark the plate (Fig. 4).

Repeat until all the plates are in position.

## Lining up the net

Open the net and hook loosely in place with the anchors using the edge of the net. Do not close the anchors around the net braid at this stage, simply hook the braid through the anchors.

Line up the net so that the meshes (blocks) are straight and the Zyp (if you have one) is in the middle. If your pool is rectangular, try to keep at least one original net edge hooked onto the plate and anchors. This will save time later (Fig. 5).

The Zyp line (or lines if there is more than one Zyp tensioner on your net) should extend out of the pool on either side, in line with the tensioning pulleys. Tie a loop in the line (or lines) on one side, and affix an anchor to the loop (the line is affixed to the anchor by simply hammering the anchor closed after hooking it to the loop. This end is now finished. Attach the anchor piggy back on one of the plates already in place (Fig. 6).

Pull on the other end of the tension cord, until it is as straight as possible and the pulleys about 4" apart. Make a loop in the Zyp line (do not cut off the excess) and hook one of the anchors in the loop. Do not close this anchor as it may need adjustment later. Hook this anchor piggy back as well, on one of the nearby plates (Fig. 7). At this point the net will be still slack but the Zyp line will be taught.

## Tensioning the net

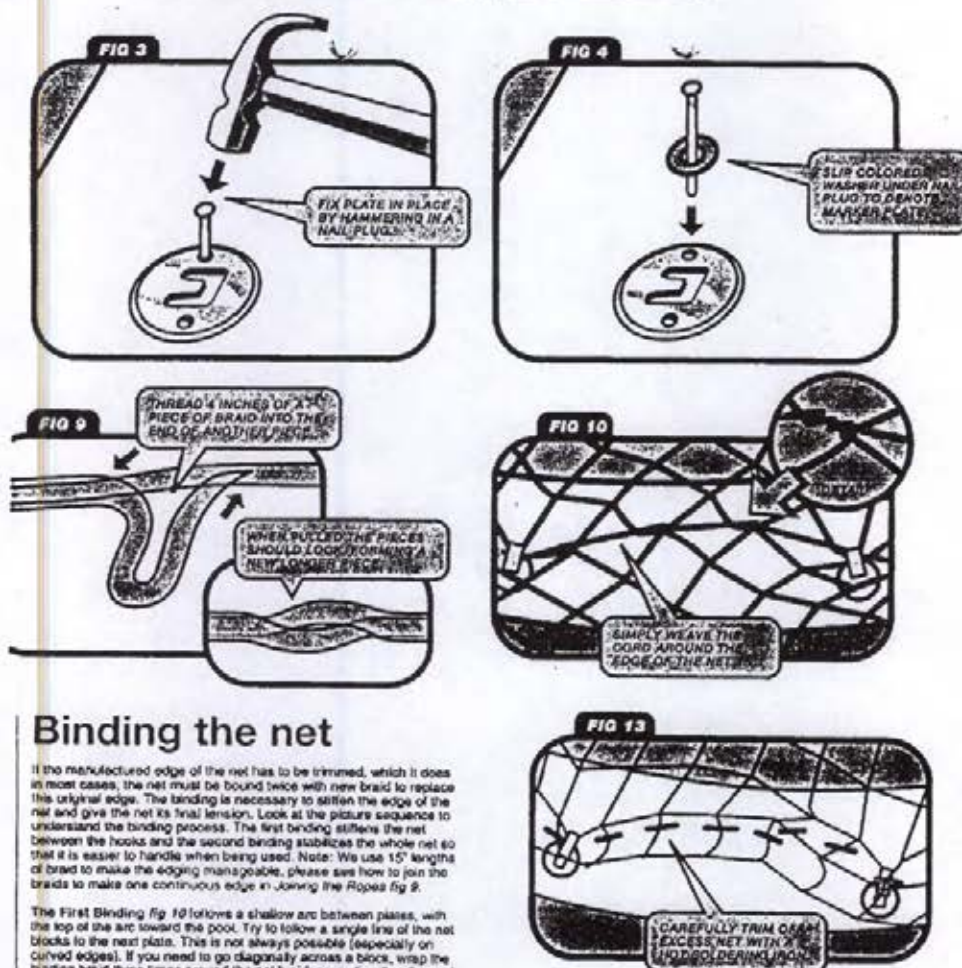
Now you need to tension the net by pulling at each hook, one at the time and taking up one or two blocks until you have the required tension. Note: When pulling the net, pull with the hook attached to it rather than pulling the net over the hook (Fig. 8).

You must pull quite hard, as the knots will tighten slightly as you pull. Again, try to keep one (or two) of the original net edges hooked onto the hooks. One only really needs to tension from two sides if your pool is rectangular. Most of the tension is imparted to the net at this point. A little more tension is added when the edges are retensioned. When you have finished tensioning, the pulleys should have pulled apart a little further and there should be excess net under the pulleys.

The end result should be a net that just touches the water when you push very hard with the palm of your hand about 4 blocks into the pool (about the place a child will fall if they should fall into the water).

In this process, the Zyp should stay straight, close to the center of the pool (it is okay if the Zyp is a little to one side of the pool, as long as it remains straight). You will also get excess net around the pool, which will be removed later in the installation.





## Binding the net

If the manufactured edge of the net has to be trimmed, which it does in most cases, the net must be bound twice with new braid to replace the original edge. The binding is necessary to stiffen the edge of the net and give the net its final tension. Look at the picture sequence to understand the binding process. The first binding stiffens the net between the hooks and the second binding stabilizes the whole net so that it is easier to handle when being used. Note: We use 15" lengths of braid to make the edging manageable, please see how to join the braid to make one continuous edge in Joining the Ropes fig 8.

The First Binding fig 10 follows a shallow arc between plates, with the top of the arc toward the pool. Try to follow a single line of the net blocks to the next plate. This is not always possible (especially on curved edges). If you need to go diagonally across a block, wrap the binding braid three times around the net braid preceding the diagonal block. This helps retain a smooth arc. After each plate, pull the edge braid taut and knot it on the block immediately after the plate (do not knot the braid to the hook, it needs to be able to slide freely).

The Second Binding fig 11 follows the first, and knots the new edge (the first binding) to the net at every block corner. Again do not knot the braid to the hook, simply pass the braid through the hooks.

Once the binding is complete, use your hammer to close the hooks over the braid, being careful not to damage the plates or the braid. The hammer should strike the curved section of the hook to ensure that it closes completely fig 12.

## Joining the Ropes

Use a cigarette lighter to heat one of the ends you want to join until it is soft and shape it to a point between your thumb and first finger. Do the same to the other end. About 3" from one end, push a nail or knitting needle down the centre of the rope. Remove the nail and insert one of the shaped ends, working it in about 3". Now insert the nail in the other rope close to where it is inserted in the first one. Remove the nail and insert the free end, which is about 3", and work it in at the way fig 11.

## Trimming the net

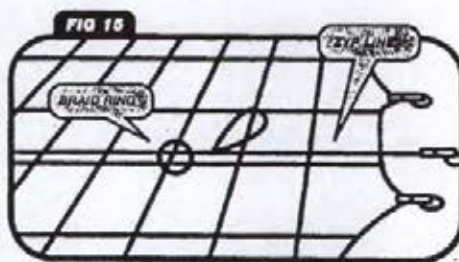
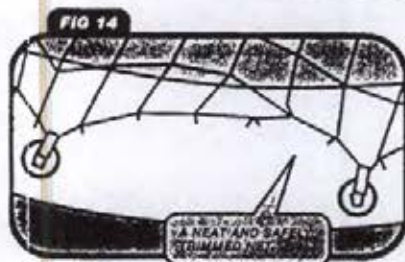
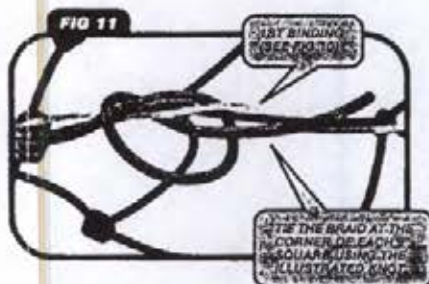
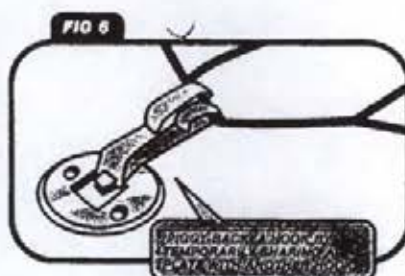
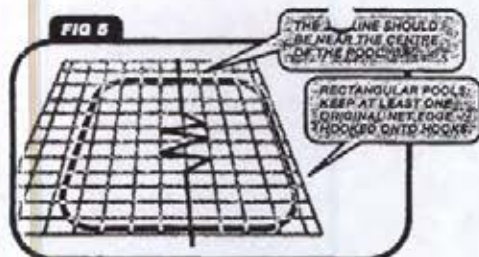
The net usually ends up being larger than the pool after it has been tensioned, especially if the pool has any irregular shapes. These excess sections of net have to have to be trimmed.

Trimming is done with a soldering iron to prevent the cord from fraying. Cut the excess net with a hot soldering iron about 1/4" from the edge fig 13. The picture shows the net being cut. As you cut, you will see the shape of the net emerge fig 14.

## Finishing the net

You should still have the three plates that we asked you to put away at the beginning. Look at the Zip line and check where it would be on the coping if it was in line with the Zip. Secure one of the three plates on that spot and hook the finished end, the end you finished first, of the Zip line.





Fit another anchor plate at the opposite end of the line. Pull this Zyp line and (with the temporary hook), as hard as you can and mark the braid where it reaches the plate. Allow about 20" more rope. Fasten an anchor at this point and make a small loop (about 1.5" round) just behind the anchor. Adjust this loop so that when you pull real hard on the Zyp line you should just be able to hook the anchor on the plate. (It should be hard to do by pulling with your hands!)

You should have one plate left. Fit this plate about 1' away from the end of the Zyp line with the loop. This will allow you to hook your leverage device or pulley when you need to remove or replace the tension.

About 3' from either ends of the Zyp line, toward the pulleys, place a ring of braid around the net and the tension rope. This will prevent the tension rope from going out of reach when you loosen the tension fig 15. Knot the short piece of colored braid to the hook on the marker plate (the one with the red washer). This will mark the hook as the marker hook. Every time you replace the net over the pool, attach the marker hook first.

Your net is now installed.

## Terms used

- Plates** The plates are the dashed shape round disks with U out (longue) and 2 screw holes cut into it.
- Anchors** The anchors are the bent flat strips with a slot in one end. The slot slips around the tongue in the U shape of the plate.
- ZYP** A Zyp is a series of 10 pulleys placed in two rows facing one another and staggered. A thicker braid originating from one side of the net goes through the pulleys in a zig-zag and reaches the other end of the net. This is the tensioning, or more accurately the releasing device. There can be up to 4 Zyps in one net, depending on the size of the net.
- ZYP line** The thick braid going through the pulleys.
- Piggy back** When two anchors are hooked on one plate, one on top of the other.
- Coping** The edge brick or stone of the pool. Behind the coping extends the deck.

FIN 85460

Kid Safe Pool Nets, Inc. PO Box 1044 (phone) (305) 462-5700  
Fort Lauderdale, FL 33302 www.kidsafepoolnets.com



WHISPERFLO™

# WHISPERFLO® HIGH PERFORMANCE PUMP



## THE INDUSTRY STANDARD BY EVERY MEASURE

We call it the WhisperFlo pump for good reason. This innovative hydraulic design moves water more efficiently and more quietly than competitive pumps. Under typical operating conditions, the WhisperFlo pump offers the highest water flow of any high performance pump—yet with the lowest electricity consumption. And, the WhisperFlo pump is designed to be a tireless workhorse. Its engineered thermoplastic housing withstands extreme heat and resists corrosion. The commercial grade motor frame has a rustproof, stainless steel motor shaft and sealed bearings that never need lubrication. Engineered to provide optimum performance in any size pool or pool and spa combination, the WhisperFlo pump is built to last a lifetime, and as a result, has become the industry's top seller for years.

- The WhisperFlo pump costs less to operate, because it uses less horsepower to produce required water flow.
- Specially-engineered design assures whisper-quiet operation as documented in rigorous ETL tests.
- Oversized strainer basket extends time between cleanings.
- See-through lid makes inspection fast and easy—engineered polymer remains clear and strong for years.
- The user-friendly Cam and Ramp™ Lid is easy to remove and quickly locks in place with a quarter-turn.





For Pool Owners

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High Performance Pump

## Energy Efficient Swimming Pool Pump

Robust thermoplastic with the Cam &amp; Ramp™ "see thru" lid design. Self-priming, high flow with patented Funnel-Flo diffusers. 2 in. suction and discharge ports. Motor features threaded shaft and durable commercial duty 56 frame motor with NEMA square flange.

## Features

Oversized strainer basket and volute - industry standard in pool pumps

Standard and Energy-efficient Square Flange Motors available

Lower HP's deliver higher performance than industry standard

Compatible with all cleaning systems, various filters and jet action spas

Heavy-duty/durable construction is designed for long life

Designed for residential and commercial applications

New motor increases life, energy, efficiency, ease of installation and better cooling for long service life

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## Product Specifications

## ENERGY EFFICIENT SINGLE SPEED FULL RATED

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)	Curve Key
011511	WFE-2	115/208-230	8.8/4.5-4.4	1/2	1.90	0.95	UL <sup>1</sup> , NSF <sup>2</sup>	2" x 2"	41	E
011512	WFE-3	115/208-230	11.2/6.0-5.6	3/4	1.67	1.25	UL <sup>1</sup> , NSF <sup>2</sup>	2" x 2"	41	F
011513	WFE-4	115/208-230	14.8/7.8-7.4	1	1.65	1.65	UL <sup>1</sup> , NSF <sup>2</sup>	2" x 2"	46	G
011514	WFE-6	208-230	9.6-8.8	1-1/2	1.47	2.20	UL <sup>1</sup> , NSF <sup>2</sup>	2" x 2"	54	H
011515	WFE-8	208-230	11.0-10.2	2	1.30	2.60	UL <sup>1</sup> , NSF <sup>2</sup>	2" x 2"	55	I
011516	WFE-12	208-230	15.0-13.6	3	1.15	3.45	UL <sup>1</sup> , NSF <sup>2</sup>	2" x 2"	56	J

## ENERGY EFFICIENT SINGLE SPEED UP RATED

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)	Curve Key
011517	WFE-24	115/208-230	11.2/6.0-5.6	1	1.25	1.25	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	41	F
011518	WFE-26	115/208-230	14.8/7.8-7.4	1-1/2	1.10	1.65	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	46	G
011519	WFE-28	208-230	9.6-8.8	2	1.10	2.20	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	54	H
011520	WFE-30	208-230	11.0/10.2	2-1/2	1.04	2.60	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	55	I

## STANDARD EFFICIENCY SINGLE SPEED FULL RATED

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)	Curve Key
011578	WF-2	115/230	10.5/5.4	1/2	1.95	0.95	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	41	E
011579	WF-3	115/230	14.2/7.1	3/4	1.67	1.25	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	41	F
011580	WF-4	115/230	16.0/8.0	1	1.65	1.65	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	46	G
011581	WF-6	115/230	22.4/11.2	1-1/2	1.5	2.20	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	54	H

011582	WF-8	230	11.5	2	1.30	2.60	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	55	I
011583	WF-12	230	14.1	3	1.15	3.45	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	56	J

## STANDARD EFFICIENCY SINGLE SPEED UP RATED

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)	Curve Key
011771	WF-23	115/230	10.6/5.4	3/4	1.24	0.95	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	41	E
011772	WF-24	115/230	14.2/7.1	1	1.24	1.25	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	41	F
011773	WF-26	115/230	16.0/8.0	1-1/2	1.10	1.65	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	46	G
011774	WF-28	115/230	22.4/11.2	2	1.10	2.20	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	54	H
011775	WF-30	230	11.5	2-1/2	1.04	2.60	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	55	I

## ENERGY EFFICIENT SINGLE SPEED FULL RATED - 3 PHASE

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)	Curve Key
340061	WFK-2	208/230/460	3.2-3.0/1.5	1/2	1.90	0.95	NSF <sup>2</sup>	2" X 2"	39	E
011021	WFK-3	208/230/460	3.8-3.6/1.8	3/4	1.65	1.25	NSF <sup>2</sup>	2" X 2"	42	F
011568	WFK-4	208/230/460	5.0-4.6/2.3	1	1.65	1.65	NSF <sup>2</sup>	2" X 2"	46	G
011569	WFK-6	208/230/460	6.4-5.8/2.9	1-1/2	1.47	2.20	NSF <sup>2</sup>	2" X 2"	54	H
011570	WFK-8	208/230/460	7.1-6.8/3.4	2	1.30	2.60	NSF <sup>2</sup>	2" X 2"	56	I
011571	WFK-12	208/230/460	11.0-10.4/5.2	3	1.15	3.45	NSF <sup>2</sup>	2" X 2"	58	J

## ENERGY EFFICIENT TWO SPEED 3450 RPM, LOW SPEED 1725 RPM FULL RATED

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)	Curve Key
012530	WFDS-3	115	14.6/4.7	3/4	1.67	1.25	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	42	A, F
011486	WFDS-6	230	7.8/3.0	1	1.65	1.65	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	47	B, G
011522	WFDS-6	230	10.0/3.5	1-1/2	1.47	2.20	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	55	C, H
011823	WFDS-8	230	11.0/4.0	2	1.30	2.60	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	56	D, I

## ENERGY EFFICIENT TWO SPEED 3450 RPM, LOW SPEED 1725 RPM UP RATED

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)	Curve Key
012485	WFDS-24	115	14.6/4.7	1	1.25	1.25	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	42	A, F
012518	WFDS-26	230	7.8/3.0	1-1/2	1.10	1.65	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	47	B, G
011524	WFDS-28	230	10.0/3.5	2	1.10	2.20	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	55	C, H
011525	WFDS-30	230	11.0/4.0	2-1/2	1.04	2.60	UL <sup>1</sup> , NSF <sup>2</sup>	2" X 2"	56	D, I

## ENERGY EFFICIENT SINGLE PHASE - 50Hz INPUT POWER FREQUENCY

Product	Model	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications <sup>3</sup>	Port Size (NPT)	Carton Wt (Lbs)
347926	WFEL-2	240/120	7.5/15.0	1/2	1.10	0.55	UL <sup>1</sup> , NSF <sup>2</sup>	2 in. x 2 in.	41
347927	WFEL-3	240/120	7.5/15.0	3/4	1.10	0.83	UL <sup>1</sup> , NSF <sup>2</sup>	2 in. x 2 in.	41
347928	WFEL-4	240/120	6.9/13.8	1	1.10	1.10	UL <sup>1</sup> , NSF <sup>2</sup>	2 in. x 2 in.	46
347929	WFEL-6	240	7.2	1.5	1.10	1.65	UL <sup>1</sup> , NSF <sup>2</sup>	2 in. x 2 in.	54
347930	WFEL-8	240	9.4	2	1.10	2.20	UL <sup>1</sup> , NSF <sup>2</sup>	2 in. x 2 in.	55

1: 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps for Swimming Pools Only (Enclosure 3).

2: 'NSF' indicates that pump bears a NSF mark signifying evaluation to NSF Standard 50 for Self-Priming Centrifugal Pumps for Swimming Pools, Spas and Hot Tubs.

3: Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

## Certifications





## SPECIALTY ENGINEERING CONSULTANTS, Inc.

Dade • Broward • Palm Beach

May 26, 2010

Report of Engineering Evaluation For: In Site Design Group  
Project: Proposed Residential Additions  
Location: 1128 North Lake Drive  
Hollywood, Florida

Dear Ms. Carruthers:

As per your request we initiated the subsoil investigation at the referenced project on May 21, 2010. The field portion of our investigation consisted of 2 standard penetration test boring conducted to a maximum depth of 30 feet below the existing surface. We are herein submitting the results of our findings.

A review of our boring logs shows that beneath the surface the upper level of subsoils are comprised of very loose dark brown organic silty clay to a depth of +/-6.0 to +/-8.0 feet below the existing surface grade elevation. Underlying this layer of compressible organic silt was a layer of gray calcareous silty marl to a depth of +/- 9.0 feet. Underlying this layer of marl was a layer of tan limerock with some fine grained sand. This limerock strata was very dense and offered field refusal conditions which terminated our first boring at a depth of 8.0 feet. This limerock strata extended past the terminal depth of our investigation which was 30.0 feet. The natural ground water level was found to exist at an elevation of +/-3.0 feet beneath the existing ground surface.

### FOUNDATION RECOMMENDATIONS

Due to the extensive deposits of silt we recommend that the foundation wall be supported on a system of micro piling. We considered both helical piers and steel pin piling to support the proposed foundations. It is our opinion that helical piers are not suited for this project because the upper level of the limestone strata is so dense that the helicals may not penetrate and achieve the required bearing.

### STEEL PIN PILING

The pin piling should be installed until refusal conditions are encountered. We anticipate that these pin piling will reach this condition at approximately +/- 18 to 23 feet. The terminal depth of the piling will depend upon the density of the underlying soil stratum and may vary from our estimate.

We recommend that these piling have a minimum wall thickness equivalent to schedule 80. The sections of the piling should be welded to the outer collars to insure the structural stability of the piling. Once the piling are installed they may be filled with 3000 psi concrete and attached to the pilecaps with either embedded reinforcing, or top plates. This decision and detail is the responsibility of the project structural engineer.

The piling should be installed with a pneumatic jack hammer capable of providing 300 ft. # of energy per blow to the piling at a rate of 1100 blows/min. Refusal conditions are determined with less than 1 inch of movement in 1 minute of driving. Piling installed in accordance with these recommendations will provide an allowable compressive capacity of 5 tons. Pin piles provide no tension or lateral capacity.





### **The Standard Penetration Test ASTM D-1586**

The Standard Penetration Test is the most commonly employed tool utilized to identify in-situ subsurface soil conditions. The "N" values obtained from the boring provide an accurate estimation of internal soil characteristics such as relative density, internal shear strength, angle of internal friction, and the approximate range of the soil's unit weight. These "N" values represent the resistance of a 2 inch diameter split spoon sampler driven by a 140 pound hammer free falling 30 inches. Each drive of the 24 inch long split spoon is divided into four six inch increments. The second and third increments are totaled to produce the "N" value found on your report.

The Standard Penetration Test also allows for the recovery of soil samples which are returned to our laboratory and visually examined and classified. The SPT samples are available for laboratory testing if requested. Samples are generally held for 90 days unless otherwise directed by the client.

An approximate ground water table is obtained from the borehole upon completion of the drilling procedures. This water table is useful in the general evaluation of particular soil conditions, and may give the contractor some insight into what can be anticipated during construction. It should be noted that the ground water level will fluctuate seasonally. This level may also be affected by local drawdowns, soil conditions, and the watersheds contribution to the underlying aquifer. It should not be construed to be a measure of the soils permeability, or of the dewatering characteristics of the site.

Although the standard penetration test is one of the most reliable methods used to identify soil characteristics and types, it may only represent a small fraction of the materials actually deposited at the site. As is common industry practice, we have assumed a uniformity of profile between borings to provide a subsoil profile for engineering purposes. This profile is strictly based on the data obtained from the borings, and if unusual or varying conditions are found we should be notified immediately.

A test is expressly representative of the immediate location tested, and the reliability of the conclusions are a direct result of the quantity of tests performed. Any variation in location may reveal similarly some changes in the depth, thickness, texture, and conditions of the stratum encountered.

Unless specifically stated otherwise, and specifically directed and prearranged by the client, all elevations are taken with respect to the existing ground surface at the time of testing. Boring locations are usually obtained in the field by pacing off distances and approximating right angles to landmarks and property corners. More precise locations may be obtained from on site surveys and placement of the boring locations by a Land Surveyor, Registered in the State of Florida. These services are provided at additional costs and are beyond the scope of this report.

The data presented herein was obtained for the specific purposes stated in this report, and should not be misconstrued to apply to any other circumstance, project, or ancillary use unless so specified and addressed by the engineer of record.



## SPECIALTY ENGINEERING CONSULTANTS, Inc.

*Dade • Broward • Palm Beach*

*Thank you for using SPECIALTY ENGINEERING CONSULTANTS, INC. for your geotechnical needs. Should you need further assistance with this or any other project, please contact this office.*

*Respectfully Submitted;*  
**SPECIALTY ENGINEERING CONSULTANTS, INC.**

*D. Mark Le Blanc, P.E.*  
*State of Florida #35683*  
*Special Insp. No. 1177*

*\\Spec\server\Generals\SPT\0markhelical pin.wpd*



# **SPECIALTY ENGINEERING CONSULTANTS, INC.**

1599 SW 30TH AVE, SUITE 20  
BOYNTON BEACH, FLORIDA 33426  
(561) 752-5440\* FAX (561) 752-5542

## **TEST BORING REPORT**

LABORATORY NUMBER: 2103177 A

CLIENT In Site Design Group

PROJECT: Sullivan Residence

PROJECT LOCATION: 1128 North Lake Drive, Hollywood

BORING LOCATION: Approx. 8' N & 20' W of the existing NE building corner

GROUND WATER: 3.0'

BORING NUMBER: 1

DRILLER: ECT

DRILL RIG: F-350

DATE OF BORING: 5/21/2010

ELEVATION: Unfurnished Below Existing Grade

DEPTH FEET	SAMPLE NUMBER	VISUAL SOIL CLASSIFICATION	N VALUES	BLOWS ON SAMPLER
1	1	Dark brown organic silty clay, little roots, (PL) 0.0-6.0'		2
2			4	2
3				1
4			2	1
5				2
6			2	1
7	2	Brown limerock fragments, some marl 6.0-8.0'		30
8			70	50
9				150+
10		BOTTOM OF BORING @ 8.0 FEET - REFUSAL		
11				
12				
13				
14				
15				
16				

SOIL INVESTIGATIONS AND SAMPLING BY AUGER BORINGS: ASTM D 1452 OR STANDARD PENETRATION TEST BORINGS: ASTM D 1586

THE ABOVE TEST BORING WAS CONDUCTED IN GENERAL ACCORDANCE WITH ASTM DESIGNATION D 1586. THE SAMPLES


COLLECTED CONSTITUTE A SMALL PERCENTAGE OF THE SUBSOILS AT THE SITE. THE SOILS WILL BE STORED IN OUR FACILITIES FOR A MAXIMUM OF 3 MONTHS. THE OWNER, ARCHITECT OR ENGINEER IS ENCOURAGED TO VISUALLY INSPECT THESE SAMPLES.

THE INFORMATION CONTAINED HERE IN IS PROVIDED FOR THE SPECIFIC PROJECT AND PURPOSE.

LOCATIONS WERE APPROXIMATED IN THE FIELD USING PACED DISTANCES UNLESS SPECIFICALLY STATED OTHERWISE.

**RESPECTFULLY SUBMITTED**

**SPECIALTY ENGINEERING CONSULTANTS, INC.**

  
**D. MARK Le BLANC, P.E.**

FLA REG. NO. 35683

SP. IN. # 1177



**SPECIALTY ENGINEERING CONSULTANTS, INC.**

1599 SW 30TH AVE, SUITE 20  
BOYNTON BEACH, FLORIDA 33426  
(561) 752-5440\* FAX (561) 752-5542

**TEST BORING REPORT**

LABORATORY NUMBER: 2103177 B


BORING NUMBER: 2

CLIENT In Site Design GroupDRILLER: ECTPROJECT: Sullivan ResidenceDRILL RIG: F-350PROJECT LOCATION: 1128 North Lake Drive, HollywoodDATE OF BORING: 5/21/2010BORING LOCATION: Approx. 8' N & 4' E of the existing NW building cornerGROUND WATER: 3.0'ELEVATION: Unfurnished Below Existing Grade

DEPTH FEET	SAMPLE NUMBER	VISUAL SOIL CLASSIFICATION	N VALUES	BLOWS ON SAMPLER	
1	1	Dark brown organic sand 0.0-1.0'		1	1
2	2	Brown fine grained sand, little limerock 1.0-3.0'	4	3	2
3				2	1
4	3	Gray organic silty clay, (plastic) 3.0-6.0'	2	1	2
5				1	1
6			2	1	1
7	4	Dark brown organic silty clay, little limerock 6.0-7.5'		25	50
8			50+		15
9	5	Gray calcareous silty marl 7.5-9.0'		43	15
10	6	Tan limerock fragments little fine-medium sand 9.0-16.0'	25	10	9
11				7	5
12			14	9	9
13				10	8
14			15	7	10
15				15	20
16		BORING CONTINUED ON NEXT PAGE	43	23	30

SOIL INVESTIGATIONS AND SAMPLING BY AUGER BORINGS: ASTM D 1452 OR STANDARD PENETRATION TEST BORINGS: ASTM D 1586  
THE ABOVE TEST BORING WAS CONDUCTED IN GENERAL ACCORDANCE WITH ASTM DESIGNATION D 1586. THE SAMPLES  
COLLECTED CONSTITUTE A SMALL PERCENTAGE OF THE SUBSOILS AT THE SITE. THE SOILS WILL BE STORED IN OUR FACILITIES FOR A  
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THE INFORMATION CONTAINED HERE IN IS PROVIDED FOR THE SPECIFIC PROJECT AND PURPOSE.  
LOCATIONS WERE APPROXIMATED IN THE FIELD USING PACED DISTANCES UNLESS SPECIFICALLY STATED OTHERWISE.

**RESPECTFULLY SUBMITTED**  
**SPECIALTY ENGINEERING CONSULTANTS, INC.**

  
**D. MARK Le BLANC, P.E.**  
FLA. REG. NO. 35683  
SP. IN. # 1177

**SPECIALTY ENGINEERING CONSULTANTS, INC.**

1599 SW 30TH AVE, SUITE 20  
BOYNTON BEACH, FLORIDA 33426  
(561) 752-5440\* FAX (561) 752-5542

**TEST BORING REPORT**

LABORATORY NUMBER: 2103177 C

CLIENT: In Site Design Group

PROJECT: Sullivan Residence

PROJECT LOCATION: 1128 North Lake Drive, Hollywood

BORING LOCATION: Approx. 8' N &amp; 4' E of the existing NW building corner

GROUND WATER: 3.0'

BORING NUMBER: 2

DRILLER: ECT

DRILL RIG: F-350

DATE OF BORING: 5/21/2010

ELEVATION: Unfurnished Below Existing Grade

DEPTH FEET	SAMPLE NUMBER	VISUAL SOIL CLASSIFICATION	N VALUES	BLOWS ON SAMPLE
17	7	Tan limerock, little fine-medium grained sand 16.0-24.0'		14 11
18		& trace shell	22	11 12
19				8 11
20			30	19 16
21				17 9
22			18	9 9
23				9 11
24			18	7 9
25	8	Tan limerock, little silty fine grained sand 24.0-27.0'		13 10
26			16	6 5
27				12 10
28	9	Tan limerock fragments, little fine-medium 27.0-30.0'	13	3 4
29		grained sand		6 13
30			19	6 8
31				
32		BOTTOM OF BORING @ 30.0 FEET		

SOIL INVESTIGATIONS AND SAMPLING BY AUGER BORINGS: ASTM D 1452 OR STANDARD PENETRATION TEST BORINGS: ASTM D 1586

THE ABOVE TEST BORING WAS CONDUCTED IN GENERAL ACCORDANCE WITH ASTM DESIGNATION D 1586. THE SAMPLES

COLLECTED CONSTITUTE A SMALL PERCENTAGE OF THE SUBSOILS AT THE SITE. THE SOILS WILL BE STORED IN OUR FACILITIES FOR A MAXIMUM OF 3 MONTHS. THE OWNER, ARCHITECT OR ENGINEER IS ENCOURAGED TO VISUALLY INSPECT THESE SAMPLES.

THE INFORMATION CONTAINED HERE IN IS PROVIDED FOR THE SPECIFIC PROJECT AND PURPOSE.

LOCATIONS WERE APPROXIMATED IN THE FIELD USING PACED DISTANCES UNLESS SPECIFICALLY STATED OTHERWISE.

**RESPECTFULLY SUBMITTED****SPECIALTY ENGINEERING CONSULTANTS, INC.**  
**D. MARK Le BLANC, P.E.**

FLA. REG. NO. 35683

SP. IN. # 1177





## ENGINEERING & TESTING, INC.

Phone: (866) 781-6889 • Fax: (866) 784-8550  
www.floridaengineeringandtesting.com  
250 S.W. 13<sup>th</sup> Avenue  
Pompano Beach, FL 33069

October 28, 2011

Job Order No.: 11-2534  
Permit No.:

Nationwide Pools, Inc.  
1923 N.W. 40<sup>th</sup> Court  
Pompano Beach, Florida 33064

**RE: Foundation Bearing Capacity Certification**  
Proposed Swimming Pool  
Sullivan Residence  
1128 N. Northlake Drive  
Hollywood, Florida

Dear Sir or Madam:

In accordance with your request, we have observed the general site conditions for the above reference construction area(s). The site consists of naturally occurring soils and/or added fill and is sufficiently free of deleterious materials. We have performed density tests, last test dated October 25, 2011, on the above mentioned soils as applicable.

Based on our observations and the above mentioned tests, site preparation procedures were in general accordance with the specifications set forth by the latest edition of the Florida Building Code Chapter 18 as it pertains to the High Velocity Hurricane Zone, and ASTM Standards. The procedures also comply with the approved plans, specifications, county/municipality codes, and our foundation recommendations as described in the subsoil investigation report dated September 9, 2011.

Based on the above mentioned observations and tests/reports, this letter certifies that the construction area(s) can provide the design pressure of 2,000 psf (pounds per square foot). If the proposed swimming pool is designed for 2,000 psf, then the construction area(s) will support the foundation without settlement detrimental to the structure placed upon it.



Sincerely,

Reza Javidan, P.E.  
Florida Engineering & Testing, Inc.  
Florida Reg. No. 60223  
Certificate of Authorization No. 6923







# FLORIDA

## ENGINEERING & TESTING, INC.

Phone: (866) 781-6889 • Fax: (866) 784-8550

[www.floridaengineeringandtesting.com](http://www.floridaengineeringandtesting.com)

250 S.W. 13<sup>th</sup> Avenue

Pompano Beach, FL 33069

October 28, 2011

Job Order No.: 11-2534

Permit No.

Nationwide Pools, Inc.  
1923 N.W. 40th Court  
Pompano Beach, Florida 33064

**RE: SITE INSPECTION**  
Proposed Swimming Pool  
Sullivan Residence  
1128 N. Northlake Drive  
Hollywood, Florida

**Dear Sir or Madam:**

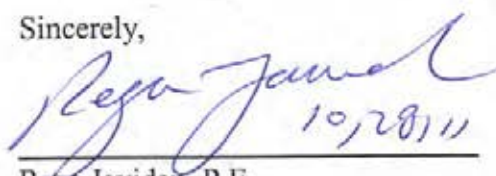
Pursuant to your request, Florida Engineering & Testing, Inc. has performed a site inspection on October 17 & 18, 2011, at the above referenced project site. The purpose of our inspection was to verify the proper removal of organic and unsuitable materials from the proposed swimming pool area.

The above referenced areas have been properly excavated of all organic and unsuitable materials and are ready for backfilling.

Florida Engineering & Testing, Inc. appreciates the opportunity to be of service to you at this phase of your project. If you have any questions or comments, please give us a call. We would be please to help any way we can. It has been a pleasure working with you and look forward to doing so in the near future.



Sincerely,



10/28/11

Reza Javidan, P.E.

Florida Engineering & Testing, Inc.

Florida Reg. No. 60223

Certificate of Authorization No. 6923



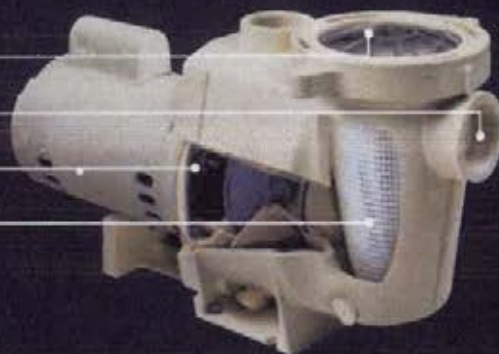
# WHISPERFLO<sup>®</sup> HIGH PERFORMANCE PUMP

Cam and Ramp<sup>™</sup> Lid makes inspection and cleaning easy and quick.

Heavy-duty threading for dependable worry-free connections.

Durable, commercial-grade motor never needs lubrication.

Oversized strainer basket extends time between cleanings.



## QUIET. EFFICIENT. DURABLE.

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- Advanced FunnelFlo<sup>™</sup> Diffuser and high-efficiency impeller maximize water flow and energy efficiency while minimizing turbulence and noise.
- Energy-efficient motor with commercial-grade frame, rustproof stainless steel shaft and permanently lubricated, sealed bearings for long life.
- Available in single-speed and two-speed models.
- Ideal for pool and spa combinations and for operating in-floor cleaning systems.
- One-year limited warranty. See warranty for details.

## AVAILABLE FROM:



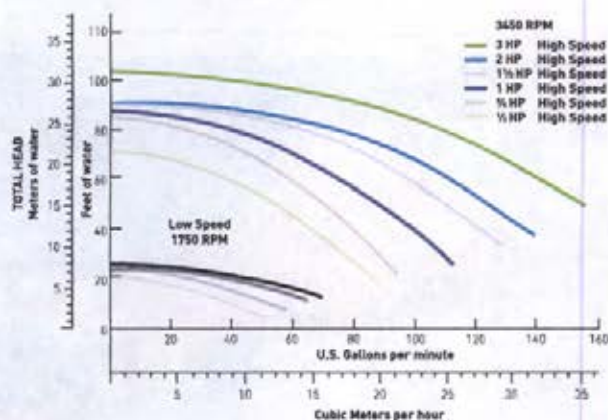
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pumps • filters • heaters • heat pumps • automation • lighting • cleaners • sanitizers • water features • maintenance products

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## PERFORMANCE CURVES



**REPORT OF FIELD COMPACTION TESTS**DATE: 10/25/11 ORDER NO: 11-2534 PERMIT NO. \_\_\_\_\_CLIENT: Nationwide Pools, Inc.ADDRESS: 1923 N.W. 40<sup>th</sup> Court Pompano Beach, Florida 33064PROJECT: Proposed Swimming Pool Sullivan ResidenceADDRESS: 1128 N. Northlake Drive Hollywood, FloridaMATERIAL DESCRIPTION: Aggregate FillPROCTOR VALUE (PCF): --- OPTIMUM MOISTURE (%): ---% COMPACTION REQ'D BY SPECS: 95 LABORATORY NO: P---NUCLEAR GAUGE SERIAL #: ☐ 29793 (Model 3440) ☐ 533 (Model 3450) ☐ 20500 (Model 3440)PROCTOR METHOD: ☐ ASTM D-1557 ☐ ASTM-D698 ☐ AASHTO T-180 ☐ AASHTO T-99**ATSM D 6938 METHOD A\***

Test #	Location	Lift	Elev./ Depth of Test	Dry Density (PCF)	Penetro- meter Readings	Moisture (%)	Percent Compaction (%)	Pass/ Fail
1	Deep End of Pool	Pool Pad	-5' to -6'	---	70+	---	>95*	P
2	Center of Pool	Pool Pad	-4' to -5'	---	70+	---	>95*	P
3	Shallow End of Pool	Pool Pad	-3' to -4'	---	70+	---	>95*	P
4								
5								
6								
7								
8								
9								
10								

\* Compaction percentage estimated from cone penetrometer reading obtained with a Brainard-Kilman Model S-214 hand-held cone penetrometer.

REMARKS: \_\_\_\_\_

TESTED BY: P.N. CHECKED BY: P.T.

Notes:

\* Method A - Direct Transmission unless otherwise noted.

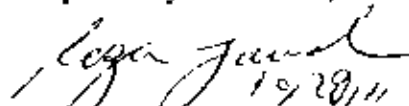
SG - Subgrade

TOB - Top of Base

SOG - Slab on Grade

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Respectfully submitted,

  
REZA JAVIDAN, P.E.

Florida Engineering &amp; Testing, Inc.

Florida Reg. No. 60223

Certificate of Authorization No. 6923



**FORM FOR "SPECIAL BUILDING INSPECTOR"**  
**SECTION 109.11 - BROWARD COUNTY ADMINISTRATIVE CODE**  
**AND THE 2007 FLORIDA BUILDING CODE**

**NOTICE TO PROPERTY OWNER:**

You are hereby directed in accordance with Section 109.11 of the Broward County Administrative Code and the Florida Building Code to retain a Special Structural Inspector (A Florida Registered Architect or Licensed Engineer) to perform the following mandatory or discretionary inspections, as outlined in Sections 109.11, 1822, 2122.4, R4407.5.4, 223.11.1, 1927.12.1, 1927.12.2, R4405.9.12.1, R4405.9.12.2 & R4408.5.2 & R4408.10.11 of the Florida Building Code and submit progress reports, inspections reports, and a Certificate of Compliance to the Building Official as per Sections 109.11.6 and 109.11.7 of the Florida Building Code

**Note:** The Building Official determines which discretionary inspections are to be delegated.

DATE: 09/16/11 IDENTIFICATION, CONTROL OR BUILDING PERMIT # B11-101623  
PROJECT NAME: Proposed Swimming Pool - Sullivan Residence  
JOB ADDRESS: 1128 N. Northlake Drive ZIP: 33019  
LEGAL DESCRIPTION: \_\_\_\_\_ FOLIO #: \_\_\_\_\_

**A. MANDATORY INSPECTIONS TYPE BY CODE:**

- 1) Precast Concrete Units - Section 1927.12.1, R4405.9.12.1, 109.11.2.1..... Yes ☐ No ☐  
2) Precast Concrete Units - Section 1927.12.2, R4405.9.12.2, 109.11.2.1..... Yes ☐ No ☐  
3) Reinforced Unit Masonry - Section 2122.4, R4407.5.4, 109.11.2.2 (per ACI 530.1-05-Level B Quality Assurance)\*  
\*unless noted otherwise on plan..... Yes ☐ No ☐  
4) Connections - Section 2218.2, 109.11.2.3..... Yes ☐ No ☐  
5) Metal Systems Building - Section 2223.11.1, 109.11.2.4..... Yes ☐ No ☐

**B. DISCRETIONARY INSPECTION TYPE BY BUILDING OFFICIAL:**

- 1) Building Structures or part thereof of Unusual Size, Height, Design or Method of Construction and Critical Structural Connections - Section 109.11.1.1..... Yes ☐ No ☐  
2) Windows, Glass Doors and Curtain Walls on buildings over two (2) stories - Section 109.11.1.1..... Yes ☐ No ☐  
3) Pile Driving Only - Sections 1822, R4404.13, 109.11.3..... Yes ☐ No ☐  
4) Precast Concrete Units - Section 1822, R4404.13, 109.11.5..... Yes ☐ No ☐  
5) Reinforced Unit masonry - Sections 2122.4, R4407.5.4, 109.11.3, 109.11.5..... Yes ☐ No ☐  
6) Other: Excavation Monitoring & Soil Compaction..... Yes ☒ No ☐

**C. MANDATORY DOCUMENTATION**

- 1) Inspection schedule stating the specific inspection that will be made and at what phase of construction must be submitted with this application.  
2) Progress Report/Inspection reports during construction in accordance with Section 109.11.6.  
3) Certificate of Compliance must be submitted prior to the scheduling of the final building inspection, Section 109.11.7.

**ACKNOWLEDGMENT**  
Owner's Signature: [Signature] Permit Holder's Signature: [Signature]  
Printed Name: Peter Sullivan Printed Name: Kevin Stuart  
License # (if applicable) CP1457011

**SPECIAL BUILDING INSPECTOR:**

☐ Registered Architect and/or ☒ Licensed Engineer Signature of Special Building Inspector, Embossed Seal & Date

Printed Name of Special Inspector Reza Javidan, P.E. [Signature] 9/16/11

Address of Special Inspector 250 S.W. 13<sup>th</sup> Avenue Pompano Beach, Florida 33069

State of Florida Registration # 60223 Fax # 954-784-8550 Telephone # 954-781-6889

Date: \_\_\_\_\_

Building Official (or designated representative)

\*\*\*BE ADVISED THIS DOES NOT PRECLUDE YOU FROM OTHER MANDATORY INSPECTIONS IN THE CODE\*\*\*



**ENGINEERING & TESTING, INC.**

Phone: (866) 781-6889 • Fax: (866) 784-8550  
www.floridaengineeringandtesting.com  
250 S.W. 13<sup>th</sup> Avenue  
Pompano Beach, FL 33069

**REPORT OF  
GEOTECHNICAL EXPLORATION**

**FOR:**

**Peter Sullivan  
1128 N. Northlake Drive  
Hollywood, Florida 33019**

**PREPARED FOR:**

**Proposed Swimming Pool @ Existing Pool Location  
1128 N. Northlake Drive  
Hollywood, Florida 33019**

**PREPARED BY:**

**Florida Engineering & Testing, Inc.  
250 S.W. 13<sup>th</sup> Avenue  
Pompano Beach, Florida 33069  
(954) 781-6889**

**ON:**

**September 9, 2011**



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  - **WATER LEVELS**
  - **FOUNDATION RECOMMENDATIONS**
- III.) STANDARD (DYNAMIC CONE) PENETRATION LOG(S)**
- IV.) FIELD SKETCH**
- V.) MAP OF SUBJECT SITE**
- VI.) GENERAL NOTES**
  - **KEY CLASSIFICATIONS & SYMBOLS**
- VII.) LIMITATIONS OF LIABILITY**

## **DISCLAIMER**

Our report findings are based on present onsite soil conditions encountered. **It is imperative that you read our reports in their entirety and follow all recommendations as listed.** Failure to follow our recommendations, may result in delays and additional costs due to permitting agencies (Building Department, etc.) withholding a Certificate of Occupancy for your proposed structure(s).

All recommendations shall be followed in order to receive a final certification, which may include but not be limited to density testing per lift of fill material, demucking verifications, piling inspections. In addition, these reports are for foundation analysis only and shall not be used for excavating, backfilling, or pricing estimates.

**Please schedule us at least 24 hours in advance for all tests and inspections.** If you choose to use another engineering firm for further testing and inspections, it is your responsibility to ensure that they provide you with the proper certification in writing, as outlined in our report.





## ENGINEERING & TESTING, INC.

Phone: (866) 781-6889 • Fax: (866) 784-8550

[www.floridaengineeringandtesting.com](http://www.floridaengineeringandtesting.com)

250 S.W. 13<sup>th</sup> Avenue

Pompano Beach, FL 33069

September 9, 2011

Job Order No.: 11-2136

Peter Sullivan  
1128 N. Northlake Drive  
Hollywood, Florida 33019

### RE: SUBSOIL INVESTIGATION

Proposed Swimming Pool @ Existing Pool Location

1128 N. Northlake Drive

Hollywood, Florida 33019

Dear Mr. Sullivan;

Pursuant to your request, Florida Engineering & Testing, Inc., has completed a subsoil investigation on September 7, 2011, at the above referenced site. The purpose of our investigation was to verify subsoil conditions relative to the new pool foundation preparation and design after the demolition and removal of the existing pool.

A total of one (1) SPT boring(s) was/were performed according to ASTM D-1586 down to a depth of twenty-five feet (25') below existing ground level (BEG L) (see attached field sketch for locations). The following is a general condition for the subject site:

<b>Depth</b>		<b>Soil Descriptions</b>
<b>From</b>	<b>To</b>	
0'0" - 2'0"		Brown Sand With Some Limerock Fragments
2'0" - 4'6"		Gray Sandy Silt
4'6" - 6'6"		Peat
6'6" - 25'0"		Tan Limestone With Some Sand

Groundwater table elevation was measured immediately at the completion of the boring(s) and was found at four feet two inches (4'2") BEGL. Fluctuation in water levels should be anticipated due to surface runoff, tidal influences, seasonal variations, varying ground elevation, construction dewatering and pumping activities in the area. Site contractor must familiarize themselves with site conditions in the event groundwater controls and dewatering is needed. The contractor shall make sure that groundwater levels on adjacent properties are not affected by the contractors dewatering activities. Specialty groundwater contractors shall be consulted for all work below the groundwater level.





The boring log(s) attached present(s) a detailed description of the soils encountered at the test location(s). The soil stratification shown on the boring log(s) is based on the examination of the recovered soil samples and interpretation of the driller's field log(s). It indicates only the approximate boundaries between soil types. The actual transitions between adjacent soil types may be gradual.

Unsuitable organic & silty material was encountered at approximately two feet (2') down to six feet six inches (6'6") BEGL. All unsuitable silty organic material encountered must be removed prior to construction of the proposed pool on a shallow foundation system. This information is intended for foundation analysis only; it is not to be used for excavating, backfilling or pricing estimates. **Florida Engineering & Testing, Inc., shall be on-site to monitor the excavation of the organic material to ensure complete removal.**

Based on our understanding of the proposed structure and the information obtained from our field boring logs; we recommend the following procedures for shallow foundation preparation:

**Alternative 1: Shallow Foundation System (After Excavation of Unsuitable Materials)**

- 1) Demolish the existing swimming pool and remove all the construction debris.
- 2) Locate the proposed new pool/spa and deck area, excavate and remove the layer of unsuitable organic and silty material down to limestone formation located at approximately six feet six inches (6'6") BEGL under all construction areas plus three feet (3') past the outer perimeter of the structure. To ensure proper removal of organic material dewatering the area is recommended.
- 3) All excavations shall maintain a minimum of 2 horizontal to 1 vertical (2:1) next to all foundations to prevent undermining of existing foundations. If the required slope recommendations cannot be maintained, then shoring of the existing foundations may be required to prevent undermining.
- 4) De-water the bottom of the excavation and compact with a vibratory roller to a minimum of 95% of the A.S.T.M. D-1557 modified proctor method. No compaction is required if limestone formation is exposed on the surface.
- 5) Backfill to proper pool bottom elevation if needed using a clean granular material placed in lifts not to exceed twelve inches (12") in thickness and compacted as per item 3.
- 6) Care should be taken when using vibration in case of existing structures in the vicinity of the construction area. If vibration cannot be used for compaction, static compaction may be applied. However, in this case, the compacted layers should not exceed six inches (6") in thickness.



- 7) All construction fill material shall be clean granular soil, free of organics or other deleterious material, and shall contain no more than ten (10) percent fines passing a U.S. Standard No. 200 sieve (0.075mm). In order to ensure that the soils at the bottom of the pool are stabilized we recommend that a six (6) inch layer of D.O.F. number 57 stone be placed at the bottom of the pool foundation.
- 8) Representative samples of the on-site and proposed fill material should be collected and tested to determine the classification and compaction characteristics.
- 9) Verify all densification procedures by taking an adequate number of field density tests in each layer of compacted material.
- 10) All Geotechnical work shall be performed under the supervision of a Geotechnical Engineer or his authorized representative.

**Provided the above foundation recommendations are achieved and verified; it is our opinion that the proposed structure can be designed for a shallow foundation system with a permissible soil bearing pressure not to exceed 2,000 P.S.F. Bearing capacity certification requires satisfactory completion and verification of all the above foundation recommendations.**

If applicable, provisions shall be made by the architect, engineer of record and contractor to address differential settlements when tying in new to existing structures. If applicable, the seawall structure should be inspected to verify the structural integrity and prevent undermining due to the piling installation or excavation operations. Care should be taken to avoid damaging seawall tiebacks.

#### **Alternative II: Deep Foundation System**

Deep foundation systems shall consist of one of the following alternatives after the existing swimming pool has been demolished and all construction debris removed:

Alternative Pile Foundation	Approximate Pile Depth	Size	Allowable Pile Capacity in Tons Compression	Allowable Pile Capacity in Tons Tension
Pin Piles	To Refusal	3 Inches	5 Tons	N/A
Type A or B Helical Piles	10' BEGL	3 Inches	10 Tons	N/A
Auger Cast Piles	18' BEGL	14 Inches	30 Tons	12 Tons

BEGL - Below Ground Length





Estimated Lateral Load for a Pile Top Deflection of less than one (1) inch. The proposed pile length is based on the existing ground elevation at the time of drilling. Pile length may vary depending on proposed grade beam elevation and soil profile. The minimum center to center of piles or adjacent foundations shall be not less than twice the average diameter for round piles or 1 ¾ times the diagonal dimensions of rectangular piles, but in no case less than thirty (30) inches.

In the case of the pin, helical piles or auger cast piles, a minimum of two (2) piles shall be driven to determine production pile length. Helical piles shall consist of Atlas, Chance, Ingal, or equivalent manufacturer. Helical pile final bearing capacity is determined in the field based on final achieved torque as per proprietary manufacturer specifications and shall be placed under the supervision of our geotechnical engineer to verify achieved bearing capacities.

All piles shall be designed by a professional engineer and shall be placed under supervision of our Geotechnical Engineer to verify compliance with our recommendations. A licensed pile contractor shall be consulted to determine actual pile depth and capacity. All work shall be in accordance with local building code and (if required) coastal zone construction requirements. All work shall be conducted by an experienced Florida Licensed Specialty Piling Contractor. The grout used in the pile installation shall develop a minimum compressive strength of 4,000 PSI at 28 days.

In case of existing structures in the vicinity of the pile driving operation, care shall be taken not to create excessive vibration. Vibration levels shall be monitored to verify compliance with county regulations. Steps must be taken to prevent excessive vibrations. In the event excessive vibrations are experienced during construction, alternative driving methods shall be implemented (i.e.: predrilling, jetting, hydraulic push, etc.)

All slabs shall be designed as structural slabs spanning between supports and designed by a Florida Registered Structural Engineer and placed under the supervision of a Geotechnical Engineer to verify compliance with our recommendations.

If applicable, provisions shall be made by the architect, engineer of record and contractor to address differential settlements when tying in new to existing structures. If applicable, the seawall structure should be inspected to verify the structural integrity and prevent undermining due to the piling installation or excavation operations. Care should be taken to avoid damaging seawall tiebacks.

Regardless of the thoroughness of a Geotechnical exploration there is always a possibility that conditions may be different from those of the test location(s); therefore Florida Engineering & Testing, Inc., does not guarantee any subsoil condition surrounding the bore test hole(s). For a more accurate portrayal of subsurface conditions, the site contractor should perform test pits. The discovery of any site or subsurface conditions during construction which substantially deviate from the information in our subsoil investigation should be reported to us immediately for our evaluation. In accepting this report the client understands that all data from this soil boring report is intended for foundation analysis only and is not to be used for excavating, backfilling, or pricing estimates. The site contractor must familiarize themselves with the job site conditions prior to bidding.



As mutual protection to clients, the public, and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions, or extracts from or regarding our reports is reserved pending our written approval. All work must be conducted under the supervision of our Geotechnical engineer. All work shall be conducted in compliance with the Florida Building Code FBC and OSHA workers protection rules and all applicable Federal, State, County and City rules and Regulations.

Florida Engineering & Testing, Inc., appreciates the opportunity to be of service to you at this phase of your project. If you have any questions or comments, please give us a call. We would be pleased to help any way we can. It has been a pleasure working with you and look forward to doing so in the near future.

Sincerely,

A handwritten signature in black ink, which appears to read "Reza Javidan". Below the signature, the date "9/12/11" is handwritten in black ink.

Reza Javidan, P.E.

Florida Engineering & Testing, Inc.

Florida Reg. No. 60223

Certificate of Authorization No. 6923



# SPT Test Boring Report

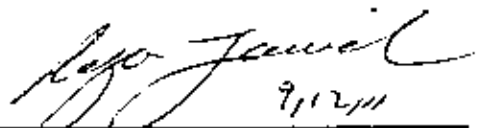
Client: Peter Sullivan Hole No: B-1  
 Project: Proposed Swimming Pool Date: 9/07/11  
 Address: 1128 N. Northlake Drive Hollywood, Florida 33019  
 Location: See Attached Field Sketch

Depth (Ft)	Soil Descriptions	Hammer Blows	N	Penetration "N" Value			
				10	20	30	40
0' - 2'	Brown Sand With Some Limerock Fragments	4 4	9				
		5 7					
	2'-4'6" Gray Sandy Silt	7 3	5				
		2 2					
4'6" - 6'6" Peat		2 2	4				
		2 1					
		3 4	11				
		7 11					
6'6" - 25'		8 10	20				
		10 12					
		-- --	A				
		-- --					
		14 15	32				
		17 30					
		-- --	A				
		-- --					
20'		9 17	37				
		20 23					
		-- --	A				
		-- --					
		10 10	22				
		12 15					
30'							

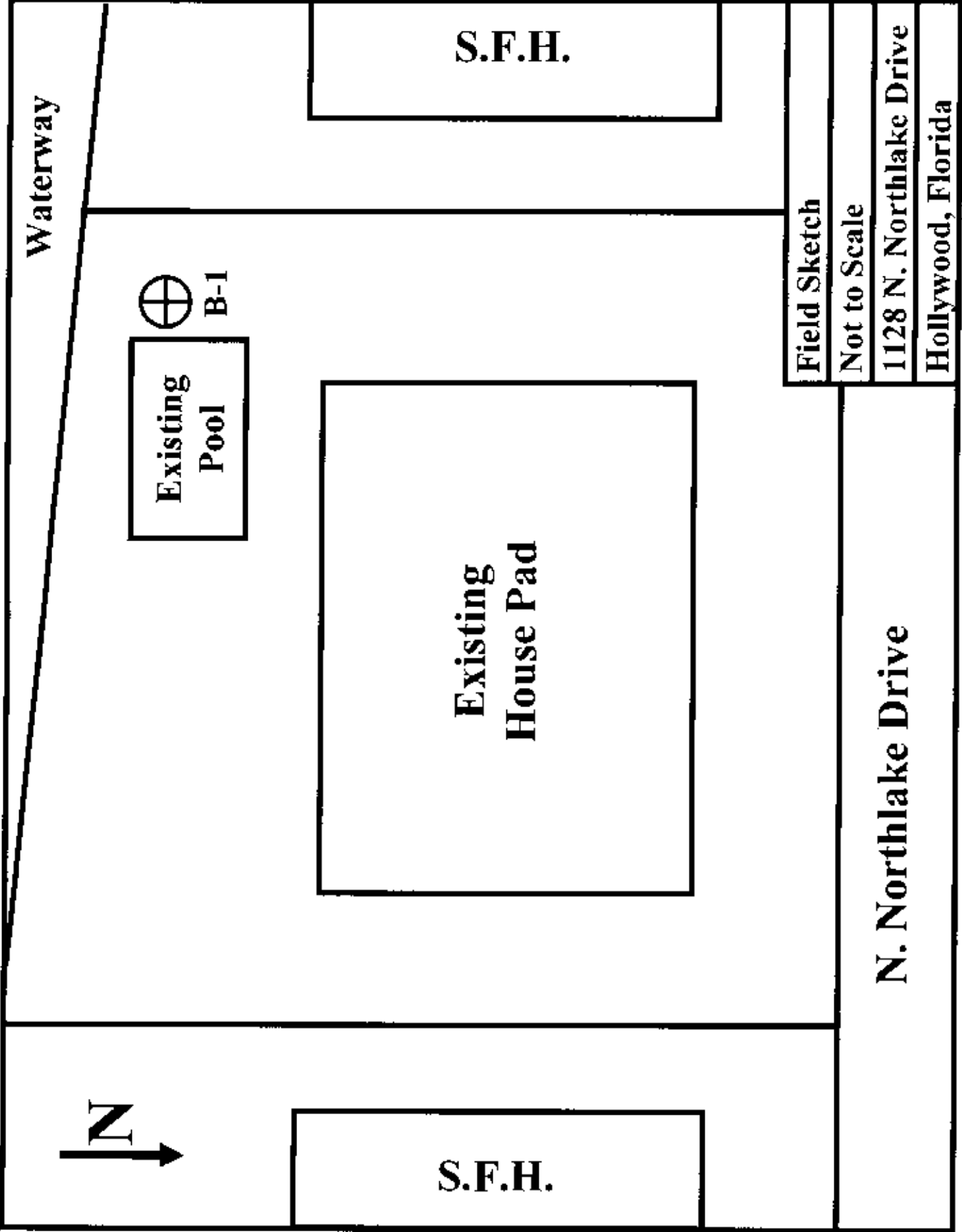
Water Level: 4'2" BEGL

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

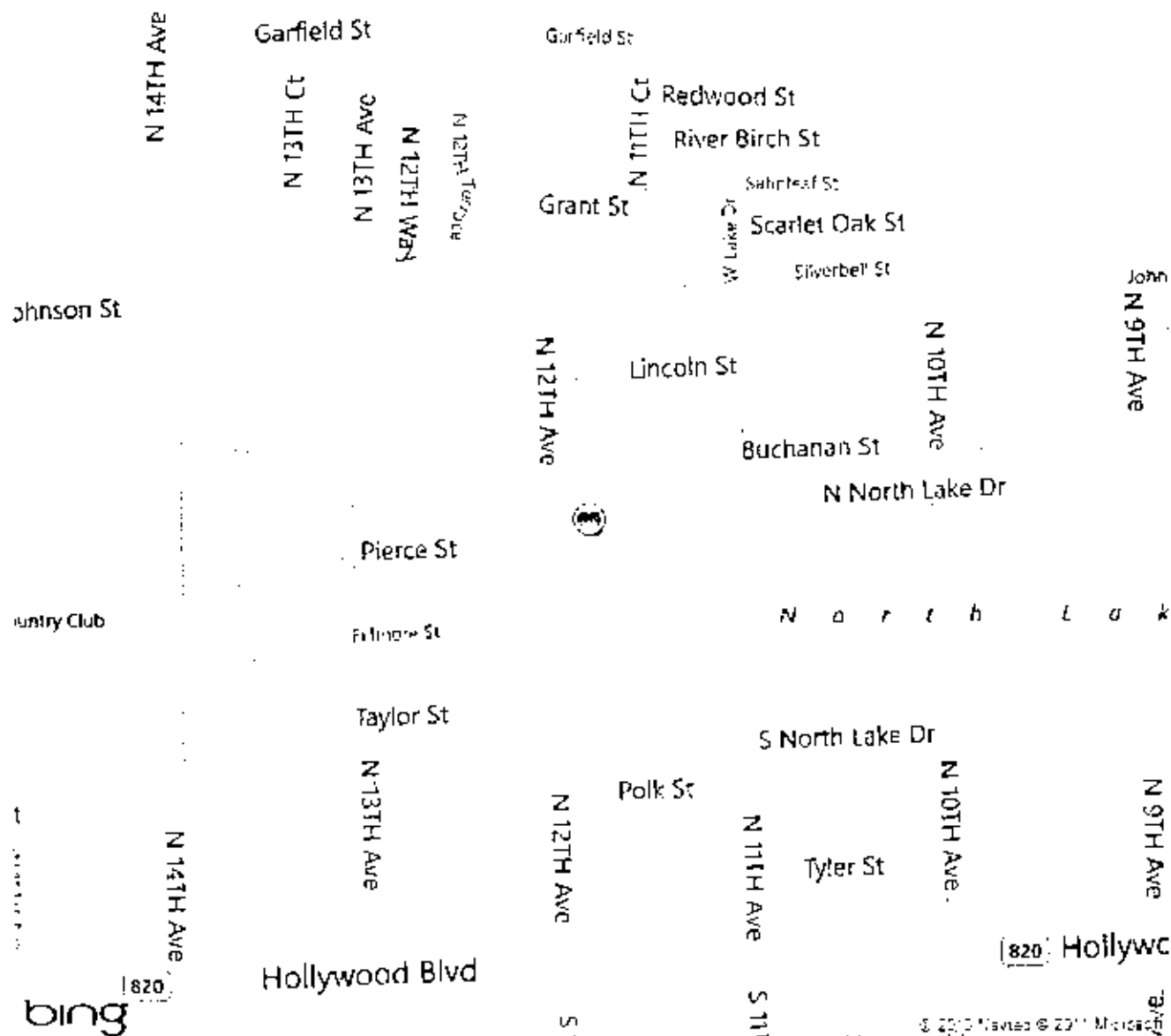
A = Auger  
 Ref = Refusal  
 BEGL = Below Existing Ground Level  
 0 = Weight of Hammer

  
 Reza Javidan, P.E.  
 Florida Engineering & Testing, Inc.  
 Florida Reg. No. 60223  
 Certificate of Authorization No. 6923





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## GENERAL NOTES

- Soil boring(s) on unmarked vacant property or existing structure(s) to be demolished should be considered preliminary with further boring(s) to be performed after building pad(s) are staked out.
- As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.
- It is not our field inspector's responsibility to supervise, schedule, or stop any phase of the project. His/her responsibility is limited by the duties stated in the contract.
- It is the client's responsibility to provide adequate safety for the site and personnel.

## KEY CLASSIFICATIONS & SYMBOLS

### Correlation of Penetration Resistance with Relative Density and Consistency

	<u>Dynamic Cone Penetrometer (Penetrometer Resistance)</u>	<u>Standard Penetration (Hammer Blows)</u>	<u>Relative Density</u>
Sands	0 - 10	0 - 3	Very Loose
	10 - 25	3 - 8	Loose
	25 - 45	8 - 15	Firm
	45 - 75	15 - 25	Very Firm
	75 - 120	25 - 40	Dense
	> 120	> 40	Very Dense
Silts & Clay	0 - 6	0 - 2	Very Soft
	6 - 15	2 - 5	Soft
	15 - 30	5 - 10	Firm
	30 - 45	10 - 15	Stiff
	45 - 90	15 - 30	Very Stiff
	90 - 150	30 - 50	Hard

### Particle Size

Boulder	> 12in
Cobble	3 - 12in
Gravel	4.76mm - 3in
Sand	0.074mm - 4.76mm
Silt	0.005mm - 0.074mm
Clay	< 0.005mm

### Modifiers

0 - 5%	Slightly Silty/Clayey
5 - 30%	Silty/Clayey
30 - 50%	Very Silty/Clayey
0 - 2%	Very Slight Trace
2 - 5%	Slight Trace
5 - 10%	Trace
10 - 15%	Little
15 - 30%	Some
> 30%	With

### Rock Hardness Description

Soft	Rock core crumbles when handled.
Medium	Can break core with your hands.
Moderately Hard	Thin edges of rock core can be broken with fingers.
Hard	Thin edges of rock core cannot be broken with fingers.
Very Hard	Rock core rings when struck with a hammer.



# **LIMITATIONS OF LIABILITY**



## **WARRANTY**

We warrant that the services performed by Florida Engineering and Testing, Inc., are conducted in a manner consistent with the level of skill and care ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranties, expressed or implied, are made. While the services of Florida Engineering & Testing, Inc., are an integral and valuable part of the design and construction process, we do not warrant, guarantee, or insure the quality or completeness of services or satisfactory performance provided by other members of the construction process and/or the construction plans and specifications which we have not prepared, nor the ultimate performance of building site materials.

As mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

## **SUBSURFACE EXPLORATION**

Subsurface exploration is normally accomplished by test borings. The soil boring log includes sampling information, description of the materials recovered, approximate depths of boundaries between soil and rock strata and groundwater data. The log represents conditions specifically at the location and time the boring was made. The boundaries between different soil strata are indicated at specific depths; however, these depths are in fact approximate and dependent upon the frequency of sampling. The transitions between soil stratum are often gradual. Water level readings are made at the time the boring was performed and can change with time, precipitation, canal levels, local well drawdown, and other factors.

Regardless of the thoroughness of a Geotechnical exploration there is always a possibility that conditions may be different from those of the test locations; therefore Florida Engineering & Testing, Inc., does not guarantee any subsoil condition surrounding the bore test holes. For a more accurate portrayal of subsurface conditions, the site contractor should perform tests pits. If different conditions are encountered, Florida Engineering & Testing, Inc., shall be notified to review the findings and make any recommendations as needed.

## **LABORATORY AND FIELD TESTS**

Tests are performed in accordance with specific ASTM Standards unless otherwise indicated. All criteria included in a given ASTM Standard are not always required and performed. Each test report indicates the measurements and determinations actually made.

## **ANALYSIS AND RECOMMENDATIONS**

The Geotechnical report is prepared primarily to aid in the design of site work and structural foundations. Although the information in the report is expected to be sufficient for these purposes, it is not intended to determine the cost of construction or to stand alone as construction specifications. In accepting this report the client understands that all data from the soil boring is intended for foundation analysis only and is not to be used for excavating, backfilling or pricing estimates. The site contractor must familiarize themselves with the job site conditions.

Report recommendations are based primarily on data from test borings made at the locations shown on the test boring reports. Soil variations may exist between borings and may not become evident until construction. If variations are then noted, Florida Engineering & Testing, Inc., should be contacted so that field conditions can be examined and recommendations revised if necessary.

The Geotechnical report states our understanding as to the location, dimensions, and structural features proposed of the site. Any significant changes in the nature, design, or location of the site improvements must be communicated to Florida Engineering & Testing, Inc., so that the Geotechnical analysis, conclusions, and recommendations can be appropriately adjusted.

## **CONSTRUCTION OBSERVATIONS**

Construction observation and testing is an important element of Geotechnical services. The Geotechnical Engineer's Field Representative (Field Rep.) is the "owner's representative" observing the work of the contractor, performing tests, and reporting data from such tests and observations. The Geotechnical Engineer's Field Representative does not direct the contractor's construction means, methods, operations, or personnel. The Field Rep. does not interfere with the relationship between the owner and the contractor, and except as an observer, does not become a substitute owner on site. The Field Rep. is only collecting data for our Engineer to review.

The Field Rep. is responsible for his/her safety only, but has no responsibility for the safety of other personnel and/or the general public at the site. If the Field Rep. does not feel that the site is offering a safe environment for him/her, the Field Rep. will stop his/her observation/ testing until he/she deems the site is safe. The Field Rep. is an important member of a team whose responsibility is to observe the test and work being done and report to the owner whether that work is being carried out in general conformance with the plans and specifications.



## CITY OF HOLLYWOOD

### BUILDING AND ENGINEERING SERVICES

PROCESS # \_\_\_\_\_

### **Residential Swimming Pool, Spa and Hot Tub Safety Act** **Notice of Requirements**

I (We) Acknowledge that a new swimming pool, spa or hot tub will be constructed or installed at 1122 N. Northlake

Drive

(Please print Job Address)

and hereby affirm that one of the following methods will

be used to meet the requirements of Chapter 515, Florida Statute and Florida Building Code Section 424.2

- Please initial the method(s) to be used for your pool or spa-

- \_\_\_\_\_ The pool will be equipped with an approved safety pool cover that complies with ASTM F1346-91 (Submit Manufacturer's Specifications).
- \_\_\_\_\_ A continuous, one piece (child) barrier meeting the requirements of Florida Building Code 424.2.17 will protect the pool perimeter. The plans shall show the fence location and method of attachment, including one end that shall not be removable without the aid of tools. (Submit Manufacturer's Specifications).
- \_\_\_\_\_ A combination of non-dwelling walls and fences (screen enclosure, child fence, masonry fence walls, chain link or wood fence, etc.) will protect the pool perimeter. The plans must specify the type and location of all non-dwelling walls.
- \_\_\_\_\_ Any combination of protection which incorporates dwelling walls with openings directly into the pool perimeter and all windows and doors will be equipped with exit alarms complying with Florida Building Code, 424.2.17.1.9 (Submit Manufacturer's Specifications).
- \_\_\_\_\_ Any combination of protection which incorporates dwelling walls with openings directly into the pool perimeter and all doors will be equipped with a self-latching device with positive mechanical latching/locking installed a min. 54" above the threshold. In this option is required, submit plans showing all types and location of all perimeter protection. The plans must also show the location and type of all openings, and the hardware type for each location. (Submit Manufacturer's Specifications).

Final inspection of the pool project cannot be approved without compliance with the Private Swimming Pool Safety Requirements

I understand that not having one of the above installed will constitute a violation of Chapter 515, F.S., and will be considered as committing a misdemeanor of the second degree, punishable as provided in Section 775.082 or Section 775.083 F.S. This form must be signed by the owner/agent and the prime contractor.

Peter Sullivan  
Owner/Agent Printed Name,

Signature

4/18/11  
Date

Keith Stuart  
Prime Contractor Printed Name,

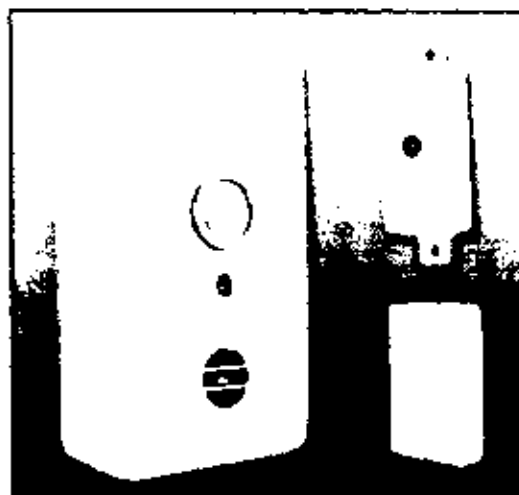
Signature

4/18/11  
Date

Notary Signature

Date Commission Expires

Notary Seal



- The Door Alarm will sound immediately when a child opens the door, and will continue to sound if the door is left open. If a child goes through the door and closes it, the alarm will sound for 5 minutes and then automatically reset.
- Poolguard Door Alarm Model DAPT-WT is equipped with an Outdoor Wireless Transmitter that allows adults to enter the home from the outside without the alarm sounding and is easy to install.
- The Door Alarm is always on and will automatically reset under all conditions.
- Poolguard Door Alarm is equipped with an adult pass through feature that will allow adults to go through the door without the alarm sounding.
- Optional screen door kits can be purchased for the alarm, this kit allows you to get air through your screen door without the alarm sounding.
- Poolguard Door Alarm uses one 9-volt battery, (not included) with a battery life of approximately 6 months.
- The Door Alarm is equipped with a low battery indicator that will audibly alert you when your battery is getting low.
- Poolguard is the only door alarm that is UL listed under UL 2017 for water hazard entrance alarm equipment.



Door Alarm - Wireless PDF manual

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## 6. LOW BATTERY FUNCTION & REPLACEMENT

When the 9-volt battery in the door alarm is low and needs to be replaced, the horn will chirp once every 10 seconds. To replace the 9-volt battery, remove the old 9-volt battery then wait at least 30 seconds before connecting the new 9-volt battery. The 9-volt battery life for the door alarm is approximately 6 months. Test your door alarm weekly by opening the door and allowing the alarm to sound. When the battery power in the Outdoor Wireless Transmitter is low the door alarm will give 5 QUICK BEEPS instead of ONE BEEP like it does when you are entering the dwelling, see section 5B for normal operating conditions. The Outdoor Wireless Transmitter battery life is several years, this battery is not replaceable. Contact Poolguard to purchase a replacement Outdoor Wireless Transmitter, Model #OWT.

## WARRANTY AND REPAIRS

POOLGUARD is sold with a limited warranty to cover defects in parts and workmanship for one year from date of purchase (Retain proof of purchase). If Poolguard exhibits a defect, please call our Customer Service department at 1-800-242-7163. Unauthorized returns will not be accepted. Proper repair is only ensured when the unit is returned to the manufacturer. Visit our website at [www.poolguard.com](http://www.poolguard.com) to fill out your warranty registration information.

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NORTH VERNON, IN 47265  
812-346-2648

**poolguard**  
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REV. 5-09

## SWIMMING POOL SAFETY TIPS

- Supervise children at all times.
- Never permit swimming alone. Never leave a child alone, even to answer the telephone.
- Always remove the entire solar cover from a pool before swimming.
- Remember that alcohol and water safety do not mix.
- Have your pool area fenced and the gate locked to prevent unauthorized entry to the pool, and install a gate alarm.
- Lock and secure all doors in the house which permit easy access to the pool, and install a door alarm.
- Have a responsible adult teach swimming and water safety your children.
- Maintain clean, clear water in the pool.
- Do not swim during electrical storms.
- Do not permit bottles, glass, or sharp objects to be used around the pool.
- Ask your pool dealer how you can improve your pool safety—they will be glad to assist you.
- Above all: remember that common sense, awareness, and caution will allow you to enjoy your pool.

**poolguard**  
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**AQUASTAR**  
pool products

*A Safe Drain is No Accident™*

## 32" Channel Drain Flat Grate Anti-Entrapment Suction Outlet Cover and Three-Port Manufactured Sump

### VGB Series

#### Product Specification Sheet

#### Features

A single, unblockable suction outlet that exceeds the new VGB mandate and ASME/ANSI A11.2-19.8a-2008 standard.

For single or multiple drain use (see installation instructions for plumbing, hydrostatic valve/drain pipe and single or multi pump connections).

Single:

Floor: 316 GPM at 3.9 fps

Wall: 208 GPM at 2.6 fps

Floor/wall: 177 GPM at 1.5 fps

25.9 square inch opening

#16 stainless steel screws

Manufactured from superior UV resistant engineered polymers

Three ports: bottom 2" O.D.

1" B.S.P. inside 2" threaded IPT.

Two 2" threaded plugs included

Meets or exceeds NSF 50/ASME/ANSI A11.2-19.8a-2008 national standards and ASTM G154 UV testing

Orange disposable plastic pre-gunter/plaster insert keeps debris out and retains sump shape during construction

Must use trans-1000 glue when attaching to PVC pipe

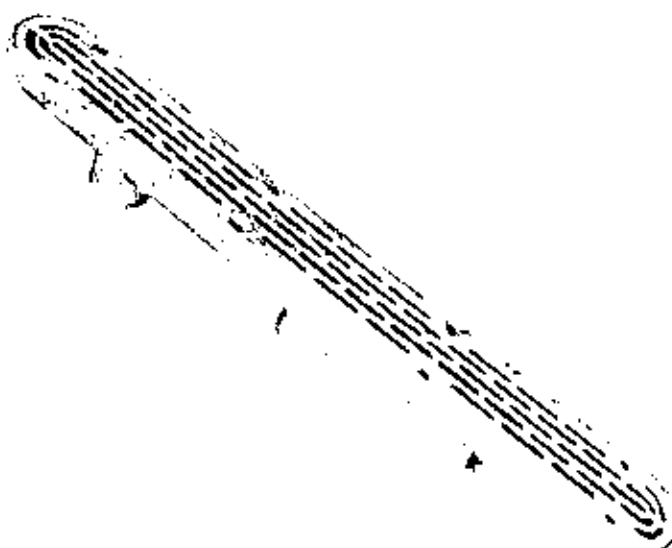
Tested with IAPMO R81

• PFI Use

The AquaStar line of suction outlet covers, compliant with the new Virginia Graeme-Baker Pool and Spa Safety Act (ASME/ANSI A11.2-19.8a-2008)

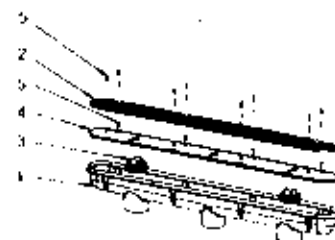
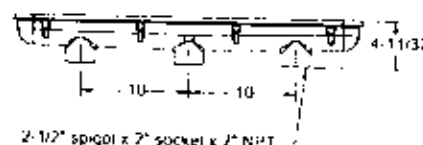
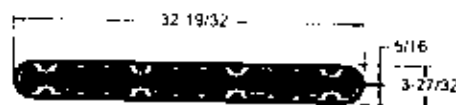
Model 32CDFL101, 32CDFL102, 32CDFL103, 32CDFL104, 32CDFL105, 32CDFL106, 32CDFL107, 32CDFL108

### The Unblockable!™



With sump (concrete pools)  
Part # 32CDFLxxx

### Two Drains in One!



#### Part Numbers / Colors

□ 32CDFL101 White\*

■ 32CDFL102 Black\*

32CDFL103 Lt. Gray\*

32CDFL104 Blue\*

☒ 32CDFL105 Dk. Gray\*

32CDFL106 Bone\*

☒ 32CDFL107 Taupe\*

☒ 32CDFL108 Tan\*

Also available as sump only  
p/n 32CDSBxxx 4 per case

VGB 2008 Compliant

- 1 32" three-port manufactured sump bucket
- 2 32" channel drain, cover, flat
- 3 2" NPT plug, qty 2
- 4 32" channel drain, plaster shield
- 5 #10 x 3/4" flat head Phillips type-A screw, 316 ss, qty 16

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RETURNS LINES THRU BENCH,  
CHANNEL DRAIN, ENTRY STEP, 8"  
WIDE SPILLWAY TO SUNSHELF AND  
10" THICK BEAM FOR PIPING

SUNSHELF/TANNING LEDGE (VERIFY DEPTH) WITH (4) PVC UMBRELLA SLEEVES AND (2) LED BUBBLERS

MAINTAIN NATURAL  
SITE GRADE ALONG  
POOL PATIO (NOT TO  
BE HIGHER THAN  
ADJACENT PROPERTY)

18" BENCH WITH TILED  
EDGE

18" RECESSED  
SHELVING WITH FILED  
EDGE

NAME: SULLIVAN  
LIBRARY: LUCE DRIVE  
CITY/STATE: HOLLYWOOD

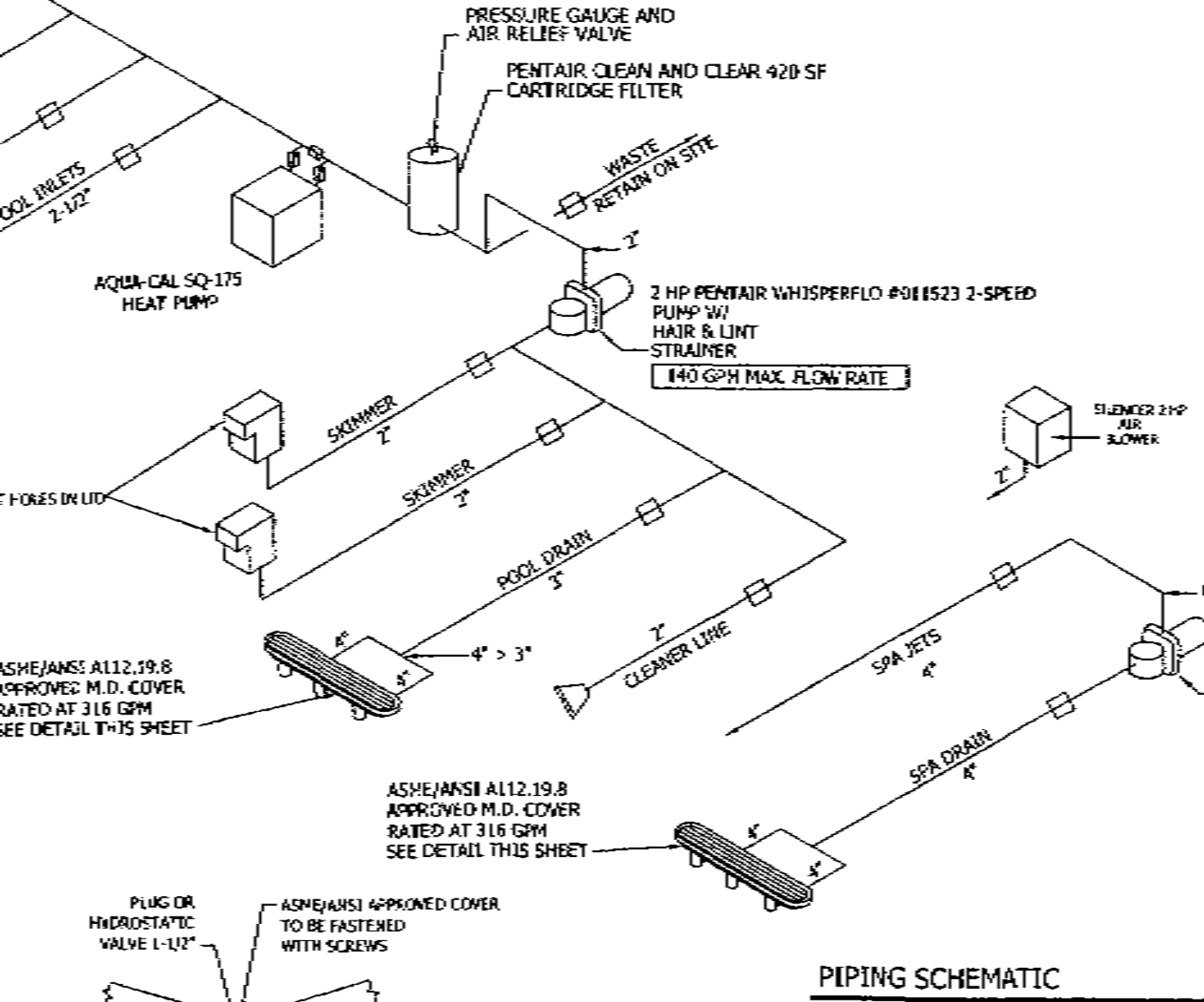
UCT: 1  
BUGS: 40

## CONSTRUCTION NOTES

1. POOL ENCLOSURE (FENCE/ALARM'S) SHALL MEET REQUIREMENTS OF GENERAL NOTE 29.

CITY OF HOLLYWOOD, FLA  
MECHANICAL

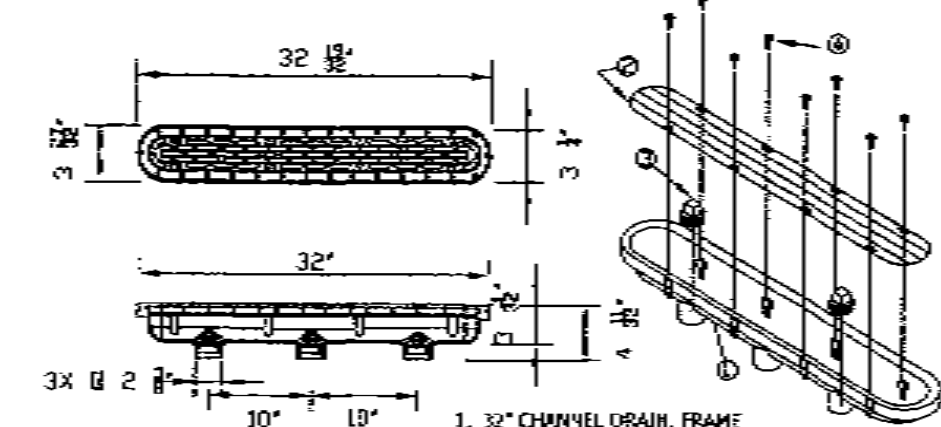




NOTES: ANCHOR BOLTS THROUGH BASE (1 3/4" x 3/16") (TAP CON) FOR POOL PUMP & FILTER; HEATER SHOWN AS OPTIONAL (4) 1 1/2" ANGLE BRACKETS (GAS HEATER) (4) 2 1/2" ANGLE BRACKETS (HEAT PUMP) WITH (4) 1 3/4" x 3/16" TAP CON AND (4) 1/2" SELF TAPPING SHEET METAL SCREWS.

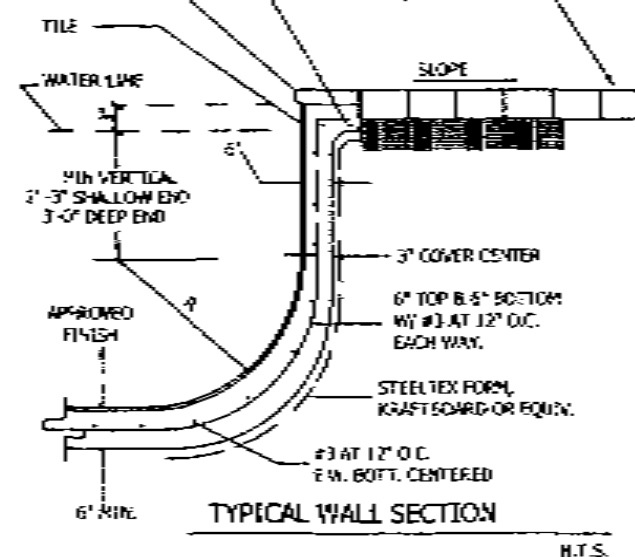
**POOL EQUIPMENT ANCHORING**

**AQUA STAR 32" FLAT GRATE 3-PORT CHANNEL DRAIN**  
MODEL # 32CDFLXXX  
VSB 2008 COMPLIANT (ASME/ANSI A112.19.8a)  
N.T.S.



**POINT DETAIL**  
N.T.S.

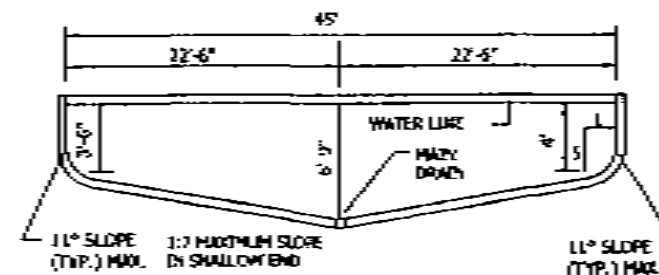




- (1) ATTACH TO THE POOL REINFORCING STEEL SINGLE #8 BARS (2X3)
- (2) BURIED TO A MIN. DEPTH OF 4" TO 5" BELOW GROUND
- (3) MIN. OF 4 POINTS UNIFORMLY SPACED AROUND PERIMETER OF POOL AND SPA  
FOR NONCONDUCTIVE POOL SHELLS (FIBER GLASS, ETC.) BONDING AT FOUR POINTS SHALL NOT BE REQUIRED.
- (4) CONNECTED BY SINGLE #8 BARS W/RE WITH A SOLID COPPER BARE CONDUCTOR,  
NOT SMALLER THAN #14 AWG
- (5) CONNECTION SHALL BE MADE BY THERMAG WELDING OR BY LISTED PRESSURE CONNECTIONS  
OR CLAMPS THAT ARE LABELED AS BEING SUITABLE FOR THE PURPOSE AND  
USE OF STAINLESS STEEL, BRASS, COPPER, OR COPPER ALLOY.
- (6) THE #8 BARS W/RE SHALL EXTEND UNDER PAVED AND UNPAVED WALKING SURFACES  
A MAX. OF 2' HORIZONTALLY BEYOND THE INSIDE WALL OF POOL OR SPA.

(PERF.B.C. 2008-ALTERNATIVE MATERIALS AND METHODS)

NO DIVING BOARD AND NO DIVING IS ALLOWED ON ANY POOL LESS THAN 8'0" DEPTH AND SPECIFICALLY DESIGNED FOR DIVING. THIS POOL IS NOT DESIGNED FOR CLIMBING.



## LONGITUDINAL POOL SECTION

NTS - Private swimming pool and spas must comply with chapter 424 & 410.01 Florida Building Code,

Materials - All piping, equipment, and materials used in the plumbing system of swimming pools (Spas) shall conform to the Florida Building Code, Plumbing. All piping materials shall be in accordance with the manufacturer's installation standards.

Materials, Piping, Valves, Equipment or Appliances entering into the construction of swimming pools (Spas) shall be of a type complying with the code or of a type recommended and approved by a nationally recognized testing agency or conforming to other recognized standards acceptable to the administrative authority.

Design, Construction and Workmanship shall be in conformity with AHSA / ASPT 3, 4, 5, 6 & 7 2006 International Aquatics Foundation, or other accepted engineering practices.

Testing and Certification - All pool and spa suction inlets shall be provided with a cover that has been tested at a recognized testing facility and comply with AHSA/ASME A112.19.8, "Suction Fittings for Use in Pools, Hot Tubs, and Whirlpool Bathtub Appliances." Exception: Surface Skimmers.

Do not use or operate pool or spa if the suction inlet fitting is missing, broken, or loose.

Design - per FBC 410.01.6.6 A minimum of two suction inlets shall be provided for each inlet system, separated by a minimum of 3 feet or located on two different planes. I.e., one on the vertical wall, or one on each of two separate vertical walls. These suction inlets shall be plumbed to draw through them simultaneously through a common line to the pump.

per FBC 410.01.6.6 Where provided, the vacuum or pressure cleaner fitting(s) shall be in a readily accessible position at least 6 inches and not greater than 18 inches below the minimum operating waterlevel or to the skimmer(s). All cleaner suction inlets shall be protected by an approved, permanently installed, fitting flapper assembly compliant w/ IAPMO SPS 4.

They shall be made of materials that are approved in the Florida Building Code 2010, and installed under concrete slabs shall be set in a pit having a least dimension of five pipe diameters, minimum depth with a suitable cover.

Installation - Direct or indirect connections cannot be made to existing facilities without approval of the administrative authority.

A backflow prevention device is required on all potable water

connections. The pool shall be inspected and approved before cover or concealment. It shall be tested and proved tight to a vacuum or air pressure test of not less than 35 psi for 15 minutes. Per manufacturer's recommendations, no air shall be used for PVC pipe and fittings.

Equipment - Swimming pool water heating equipment shall conform to the design construction and installation requirements with accepted engineering practices, shall bear the label of a recognized testing agency and shall meet the requirements for water heaters.

Consideration of combustion air, venting and gas supply requirements for water heaters.

A thermostatic or high-pressure control switch so the pool water does not exceed 104

degrees Fahrenheit. Heating equipment shall be installed with flanges or union connections

after. All heaters must have an internal check valve.

Gas piping shall comply with the Florida Building Code 2010, Fuel Gas Sec.

Electrical wiring and equipment shall comply with latest edition of the National Electrical Code, section

16. Ladders and Steps - All pools shall be provided with a ladder or steps in the shallow end where the water exceeds 24 inches. Where water depth exceeds 5 feet, there shall be ladders, stairs or underwater benches / swimouts in the deep end.

17. Filters - The entire design of matched components shall have sufficient capacity to provide a complete turnover of pool water in 12 hours or less.

18. Pool Fittings - Pool fittings shall be of an approved type and design as to be appropriate for the specific application. Purple primer required on PVC piping

19. Skimmers - Skimmers shall be installed on the basis of one per 800 SF of surface area or fraction thereof.

20. Hydrostatic Relief Device - In areas of anticipated water table, an approved hydrostatic relief device shall be installed. Exception is plastic liner pools.

21. Concrete / Steel - Concrete is to be a mix designed in accordance with ASTM C-94 by a recognized testing laboratory to achieve a strength of 3000 psi, at 28 days, (unless otherwise noted) with a plastic and workable mix. Pneumatically applied concrete and/or shotcrete shall be placed in accordance with ACI 304.2R-04 and ACI 306.2-04, respectively. All other concrete shall be placed in accordance with ACI 304R-04. A certificate of manufacturer's mix and strength is to be provided. No water is to be added after truck leaves plant without approval of the engineer. Plant control is required. Maximum mix time at point of deposit is 90 minutes. Concrete work shall be as per requirements and recommendations of ACI 301-04. (REINFORCING, DEFORMED STEEL) bars shall be A615 Grade 60 (unless otherwise noted), free from oil, loose scale and loose rust. Reinforcing, deformed steel bars shall be bent, lapped, placed, supported and fastened according to the Manual of Standard Practice for Detailing Concrete Structures (ACI 315-04) and the building code requirements for reinforced concrete (ACI 318-04). In case of conflict, the more conservative value(s) shall be used.

22. Soil Statement - In accordance with FBC 2010 Section 1818, "MINZ Bearing Capacity of Soil Based upon rational analysis, the in-place soil beneath the pool is sand and limestone and has an acceptable bearing capacity of 550 psl and 2000 psl for related structures shown within these plans, excavation and compaction in accordance with current edition of FBC. Should any muck, mud, or other organic soils be discovered on excavation, they should be removed in their entirety. All construction shall stop and the engineer of record shall be contacted to conduct an inspection.

Structural elements are designed with a required bearing capacity as stated above, unless otherwise specified. Fiberglass and vinyl liner pools require 250 psl soil's bearing capacity unless otherwise specified.

23. Pool Slabbing - This design engineer assumes no responsibility for pool construction in easements or required setback areas. Plot plans not prepared from legal surveys of the existing lot and residence are so indicated. The pool contractor shall verify all dimensions in the field and establish lot lines. The pool contractor shall establish locations of all utilities at the site and contact the Engineer if different than indicated on plan. Min. clearance dimensions shall be held as required by the local regulatory agency.

24. Existing Structures - The pool contractor shall always take all precautions to protect existing structures from failure by shearing and/or shoring or other methods. The design engineer accepts no responsibility for the safety of existing structures.

25. Backfill - The contractor shall backfill the pool shell with caution. The plumbing shall not be disturbed. Backfill shall be accomplished with clean, construction grade fill, free of organic material and shall be placed in 12" thick lifts, each layer shall be compacted to 95% maximum dry density per ASTM D-1557, modified proctor method.

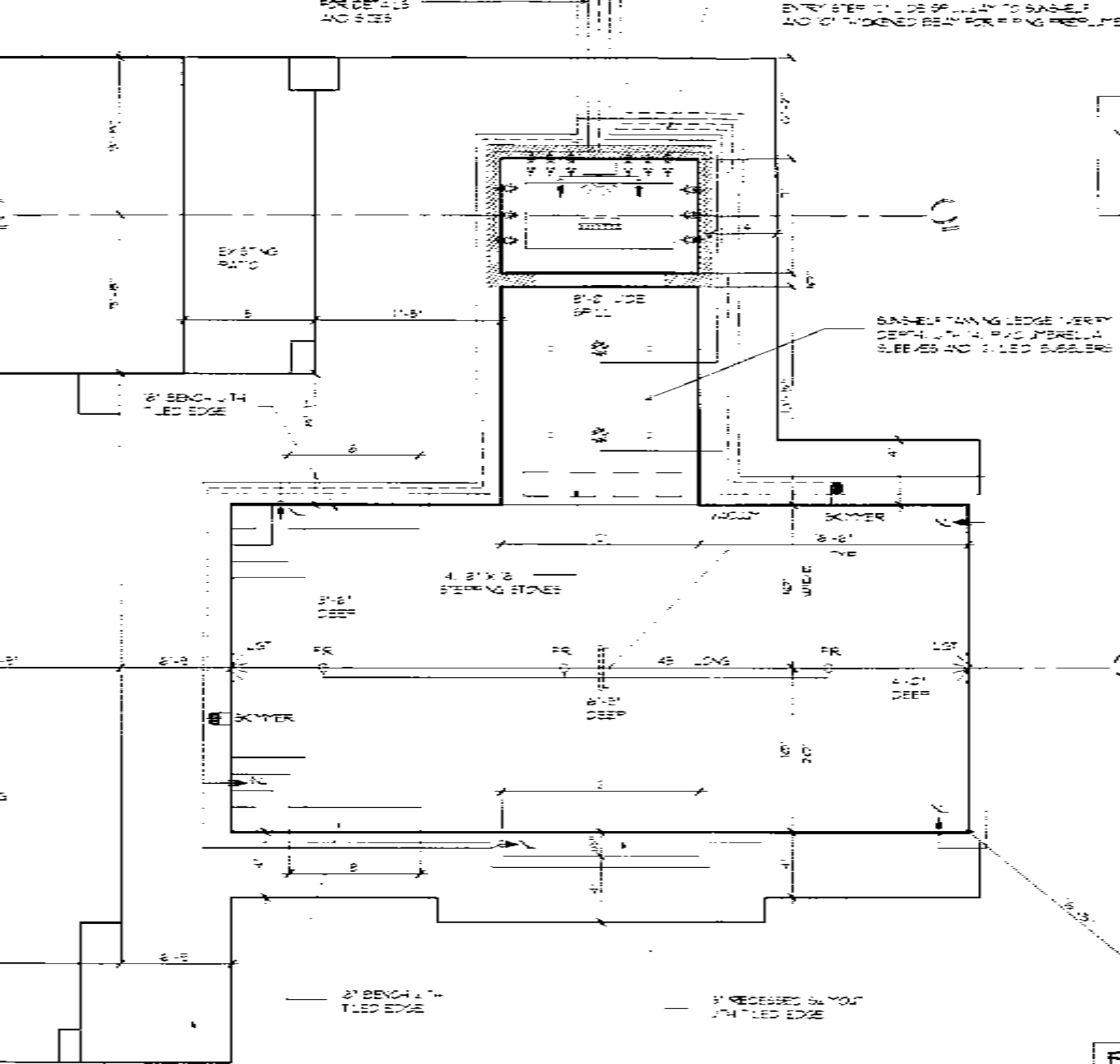
26. Warning - To empty pool after construction, for repairs or any other reason, the hydrostatic uplift pressures beneath the pool must be eliminated to prevent the pool from floating upward. The owner must consult a pool contractor or pool repair contractor experienced in eliminating uplift pressures.

27. Diving - No diving board and no diving is allowed on any pool less than 8'0" deep and specifically designed for diving. This pool is not designed for diving unless specifically stated on the site plan.

28. Pools & Spas with Heaters - The pool and spa shall be provided with a cover or other means to reduce heat loss.

29. Pool Enclosure - Residential Pools shall be provided with a barrier compliant w/ F.B.C. 2010 424.2.17 through 424.2.17.1-15

BY				NAME: SULLIVAN 1128 NORTH LAKE DRIVE CITY/STATE: HOLLYWOOD FLORIDA, 33019	LOT: 1 BLOCK: 42 BOOK: 1
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FEMA  
BASE FLOOD ELEVATIONS  
HOLLYWOOD ORD.  
154.20 (E)

NOTE: SEE PLAN BY GATOR ENGINEERING  
CONSULTANTS P.A. FOR EXISTING ON  
SITE DRAINAGE SOLUTION

APPROVED  
SEP 23 2011  
CITY OF HOLLYWOOD, FLA.  
PLUMBING

MAINTAIN NATURAL SITE  
GRADE ALONG PROPOSED  
POOL PATIO. DO NOT TO BE  
HIGHER THAN ADJACENT  
PROPERTY

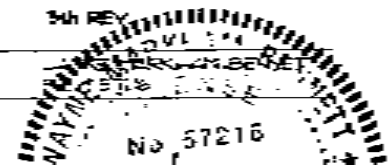
WAYNE MARKHAM, P.E.  
PROFESSIONAL ENGINEER #13136

NATIONWIDE POOLS  
1823 NW 40TH COURT  
FORT LAUDERDALE, FLORIDA 33304

DATE:	8-7-10
ORDER:	OTO
DWG BY:	NAS
NAS #:	07885-03
1st REV:	B.C.
2nd REV:	
3rd REV:	
4th REV:	
5th REV:	

POOL PLAN FOR:

SULLIVAN  
122 N. LAKE DRIVE





PER SECOND FOR PRESSURE  
EXCEPT FOR BETWEEN DRAINS  
1. FILTER SECOND. SUCT ON  
TO 1-3 REEL. REVENT

LETS SHALL BE INSTALLED  
PERFECT

CONG SHALL CONFORM TO

BE INSTALLED WITH FLANGES  
SEATER

COMPLY WITH FLORIDA  
AND PERMIT REQUIRED

ING AND EQUIPMENT SHALL  
BUILDING CODE NFPA TO NEC  
CODE 680.

**REQUIREMENT:** RESIDENTIAL  
ONE FSC R4007'S THRU FSC  
TH A APPROVED POOL COVER

MUST BE PROVIDED WITH A  
WHERE THE WATER EXCEEDS 24  
LEADS 5 FEET IN DEPTH A  
REC.

ING POOL INSTALLATIONS SHALL  
BARRIERS AND PROTECTION  
CONFORM TO THE  
COMPLETELY FILLED WITH WATER

AREA OF MATCHED COMPONENTS  
PROVIDE A COMPLETE TURNOVER

IN AREAS OF UNGRADED  
RELIEF DEVICE SHALL BE

MAY BE AT LEAST ONE  
R 300 SQ. FT. OF POOL  
ULATED POOL WATER

ING SHALL BE INSTALLED IN  
INSTALLATION BOND. AS  
BE ON EXPOSED ABOVE GROUND

ITY. 65 GRADE AS

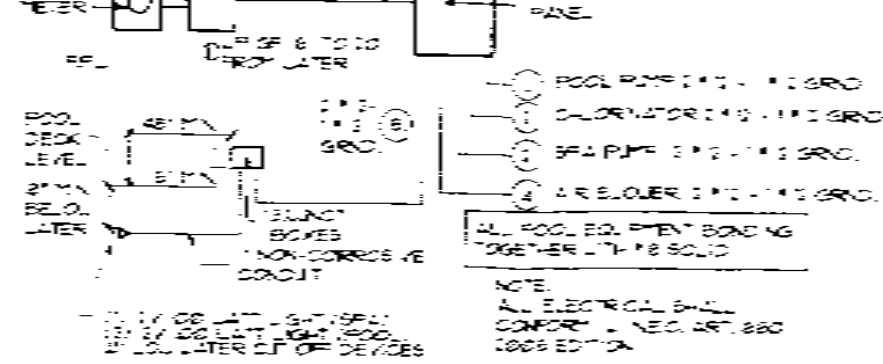
ATIONALLY APPLIED WITH  
OF 3000 PSI.

CEASED 101 FA-RENE T.

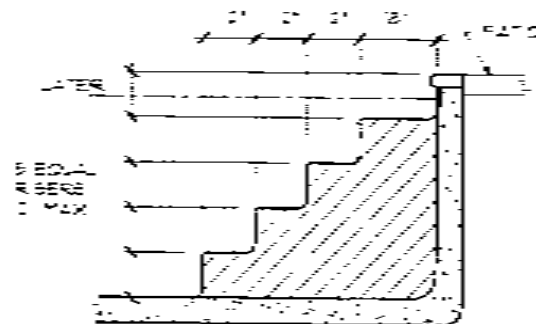
SHALL BE LOCATED A MINIMUM  
UNDERGROUND ELECTRICAL  
OF 5 FT. FROM THE POOL  
TO NEC ARTICLE 680

ASS SHALL COMPLY WITH  
CODE 1001 EDIT WITH 1009 SUPP.

SECTION 3.3 A SECURED ROPE  
NOT MORE THAN 2 INCHES



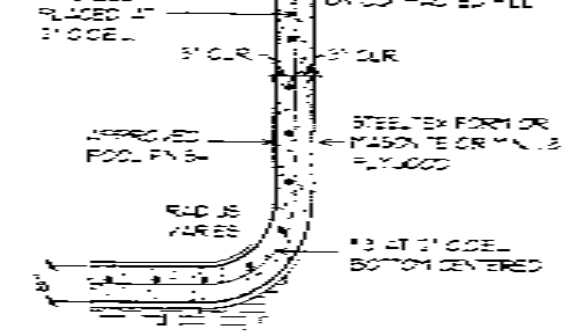
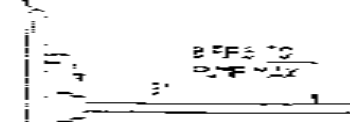
**ELECTRICAL RISER DIAGRAM**



**STEP DETAIL**

**NOTE:** PER FSC R4001 AND UPON RATIONAL ANALYSIS THROUGH EVALUATION AND KNOWLEDGE OF OTHER PROJECTS IN THIS AREA IT IS DETERMINED THE ALLOWABLE SOIL BEARING CAPACITY IS A MINIMUM OF 1000 PSF FOR THIS PROJECT. DURING EVALUATION DIFFERENT CONDITIONS ARE FOUND THE POOL CONTRACTOR AND OR HOMEOWNER WILL TAKE ALL STEPS TO REMEDY THE SITUATION AS WELL AS TO NOTIFY ALL PARTIES INVOLVED.

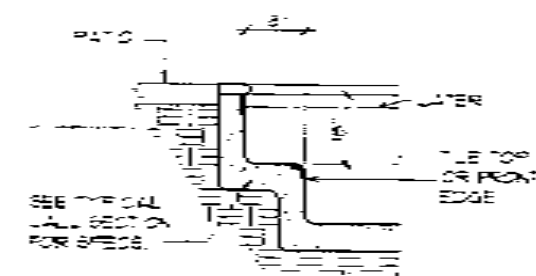
WATER CHANNEL DRAIN AND W/ST  
AT 62-1001 (3000 PSI) 3/8 GRD. AT 55  
PSF.



**TYPICAL WALL SECTION**

**BONDING GRID NOTE**

PER NEC 680.16(F)  
SINGLE SOLID #8 ALG BONDING WIRE IS TO BE PLACED AROUND THE PERIMETER 8" TO 12" FROM THE POOL WATER'S EDGE AND PLACED 4" TO 8" BELOW GRADE THE CONNECTION TO POOL SHALL BE IN FOUR LOCATIONS BY EXOTHERMIC WELDING OR BY LISTED PRESSURE CONNECTORS OR CLAMPS THAT ARE LABELED AS BEING SUITABLE FOR THIS PURPOSE AND ARE OF STAINLESS STEEL BRASS COPPER OR COPPER ALLOY. THIS SINGLE SOLID #8 ALG WIRE WILL EXTEND UNDER CONCRETE FLOORS AND UNPAVED SURFACES.



**SWIMOUT DETAIL**



**POOL PLAN FOR:**

SULLIVAN

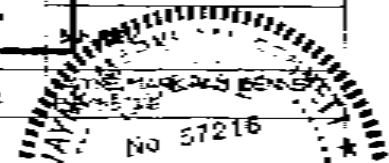
WAYNE MARKHAM, B.S.  
PROFESSIONAL ENGINEER # 57216

NATIONWIDE POOLS  
1003 NW 40TH COURT  
FORT LAUDERDALE, FLORIDA 33304

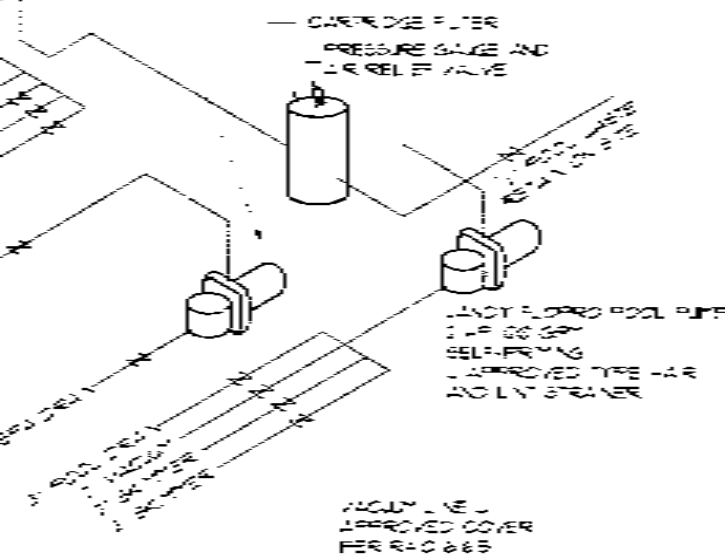
DATE	8-11-10
ORDER#	C76

DWG BY: N.A.S.

DATE	07-26-10
1st REV.	E.C.
2nd REV.	
3rd REV.	
4th REV.	

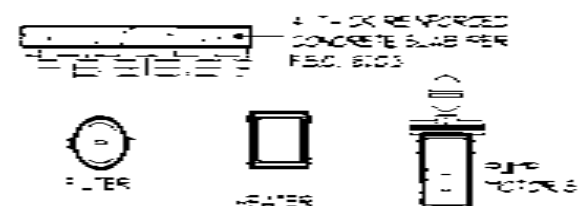


1. 1/2" HP LINDY STEALTH SURFLO  
SPA PUMP & 80 GPM SELF-PRIMING  
APPROVED TYPE H-AR AND LAT  
STRAINER



ING ISOMETRIC

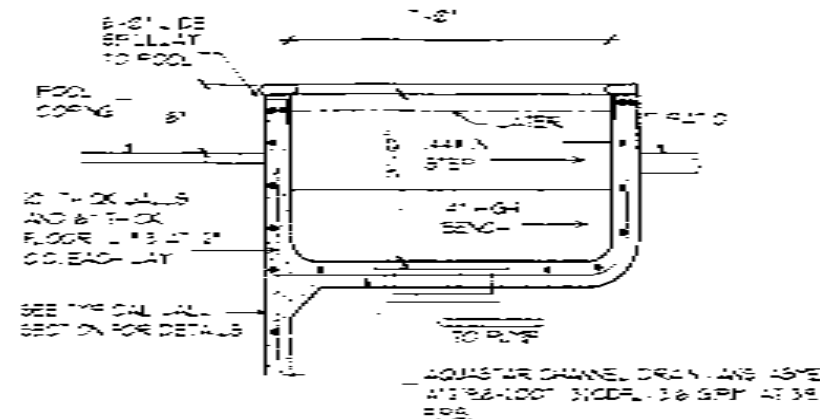
N78



EQUIPMENT ANCHORING

N78

BASE FLOOD ELEVATIONS  
HOLLYWOOD GRD.  
154.20 (E)

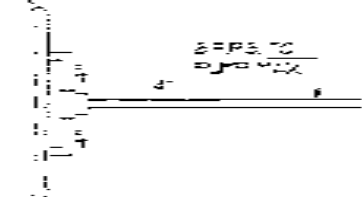


SPA DETAIL APPROVED

SEP-23-2011

CITY OF HOLLYWOOD, FLA  
PLANNING

AQUASTAR CHANNEL DRAIN LANS 45YE  
AT 125-100" MODEL 36 GPM AT 38  
FPS



DRAIN DETAIL

FOR SPA DRAIN N78

GALLONS 40678 GAL
TURNOVER RATE: 410 -RS
PUMP SIZE MODEL: 1/2 HP LINDY FLO PRO
FILTER TYPE MODEL: 80 GF DE LACT
RECIRCULATION INLETS: 5 WALL 13 FLOOR
SKIMMER(S):
LIGHT(S) 5-27 100 LAT
HEATER TYPE SIZE:
VACUUM LINE YES
CHLORINATOR MODEL TYPE LINDY SALT LITH FUSION
ROSETTE NO
FEED LINE NO
BUBBLER YES 12 IN GAS-ELF 4 FRONT OF SPA
LION HEAD NO
DECK JET NO
SHEER DESCENT NO
SPRINTER NO
THERAPY JETS NO
COPING TYPE ART STC BULLNOSE
HANDHOLD TYPE NO
TILE 6"
INTERIOR FINISH DIAMOND BRITE
BUILTOUT SIZE 13'
DECK TYPE ART STC PAVERS
ENTRY RAILING NO
ALUMINATION TYPE NO
POOL ENCLOSURE NO
RATIO FOOTERS NO
DECK-0-DRAIN NO
MISC OVERFLOW LINE

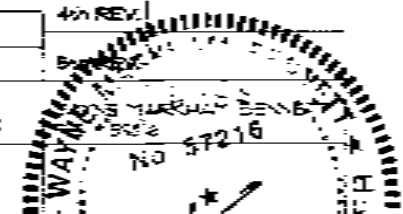
SPA SPECIFICATIONS			DATE: 8-7-10
SPA SIZE:	7' X 13'	DEPTH 36"	ORDER: 1078
PERIMETER:	38 LF	AREA 84 LF	DWG BY: N.A.S.
VOLUME:	1346 GAL	TURNOVER RATE: 410	NAB # 107865-103
PUMP SIZE:	1/2 HP LINDY FLO PRO		1st REV: S.D.
THERAPY JETS:	0		2nd REV:
LIGHT:	5-27 100 LAT		3rd REV:
SPILLWAY SIZE:	8" X 0		4th REV:
BUBBLER:	2-12"		
RAISED:	5" X 0"		
ENTRY STEP:	NO		
PEDESTAL:	YES		

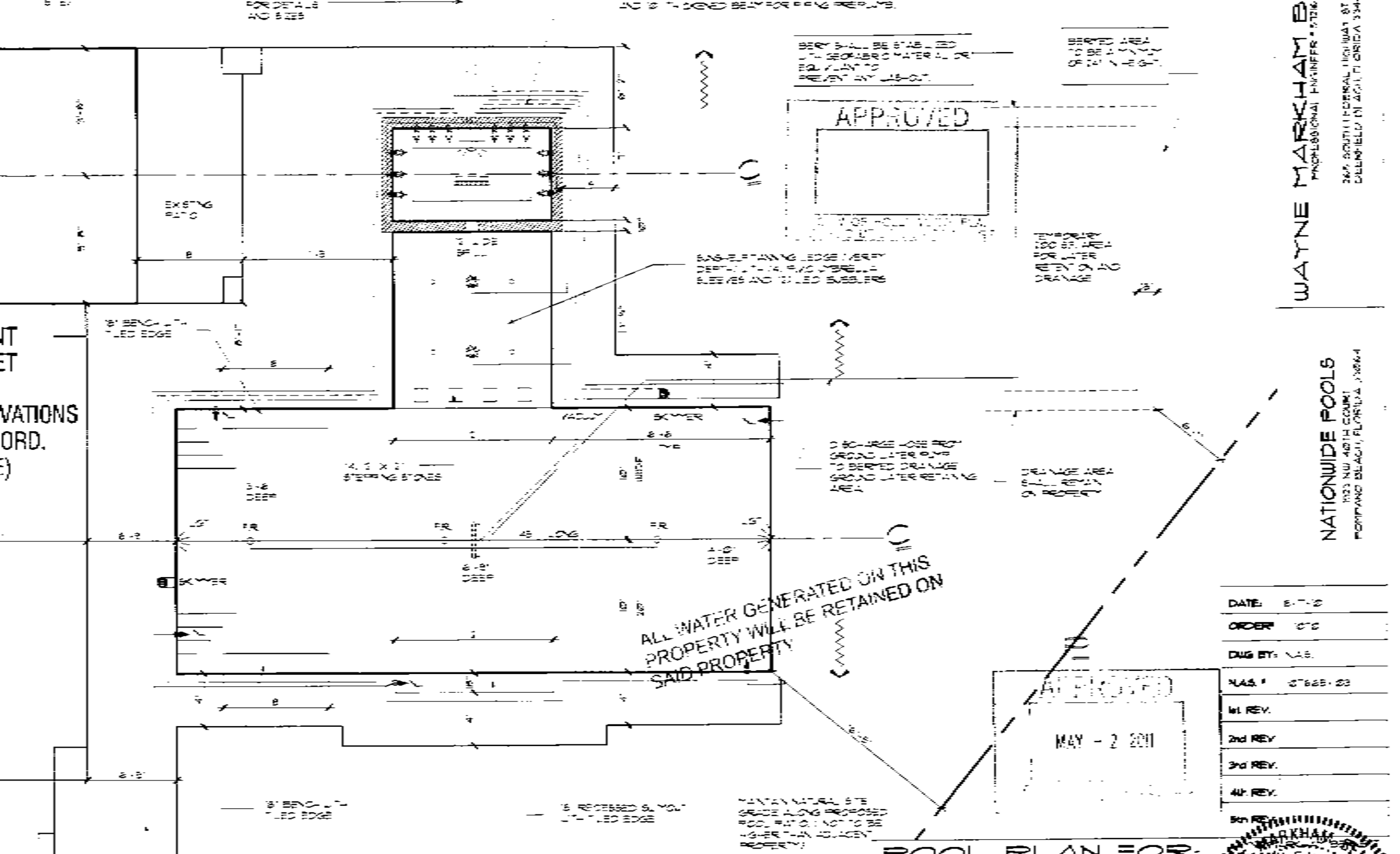
POOL PLAN FOR:

SULLIVAN  
128 N. NORTH LAKE DRIVE

WAYNE MARKHAM B  
PROFESSIONAL ENGINEER # 51216

NATIONWIDE POOLS  
1373 NW 40TH COURT  
FORT LAUDERDALE, FLORIDA 33304





VERY WELL BE STABILIZED  
 WITH GEOTEXTILE MATERIAL OR  
 EQUIVALENT TO  
 PREVENT ANY LEAKAGE

BE SET TO  
 1/2\"/>

APPROVED  
 MAY - 2 2011

SAG-REINFORCING LEDE VERY  
 DEPTH 1\"/>

TEMPORARY  
 1000 SP. AREA  
 1\"/>

2\"/>

2\"/>

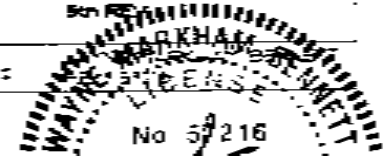
ALL WATER GENERATED ON THIS  
 PROPERTY WILL BE RETAINED ON  
 SAID PROPERTY

APPROVED  
 MAY - 2 2011

POOL PLAN FOR:

SULLIVAN

DATE:	5-7-10
ORDER:	1010
DRAW BY:	N.A.S.
N.A.S. #	57625-23
1st REV.	
2nd REV.	
3rd REV.	
4th REV.	



WAYNE MARKHAM B.  
 PROFESSIONAL ENGINEER #57216  
 3627 SOUTH FEDERAL HIGHWAY ST  
 DULUTH, FLORIDA 33024

NATIONWIDE POOLS  
 1123 NW 40TH COURT  
 FORT LAUDERDALE, FLORIDA 33304



ALL BE DESIGNED SO  
 7. PER SECOND, FOR PRESSURE  
 EXCEPT FOR BETTER DRAIN  
 11 PER SECOND, SUC ON  
 10" - 5 REQ. REVIEW  
 E'S SHALL BE INSTALLED  
 PING SHALL CONFORM TO  
 BE INSTALLED WITH FLANGES  
 COPLY WITH FLORIDA  
 AND PER 12 REQUIRED  
 G AND EQUIPMENT SHALL  
 BUILD VS CODE, VFA 12 NEC  
 DLE 680.

**REQUIREMENT:** RESIDENTIAL  
 ONE FBC RACETS TWO FBC  
 - A APPROVED POOL COVER

UST BE PROVIDED WITH A  
 THE WATER EXCEEDS 14  
 FEET 5 FEET IN DEPTH - A  
 RED

IS POOL INSTALLATION SHALL  
 BARRIERS AND PROTECTION  
 IN CONFORMITY WITH THE  
 COMPLETELY FILLED WITH WATER

IGN OF MATCHED COMPONENTS  
 PROVIDE A COMPLETE TURN OVER

N AREAS OF ANTICIPATED  
 RELIEF DEVICES SHALL BE

UST BE AT LEAST ONE  
 R 100 SQ. FT. OF POOL  
 LATED POOL WATER

G SHALL BE INSTALLED IN  
 METAL ON SCHED. 40  
 E ON EXPOSED ABOVE GROUND

ITY, 65 GRADE 40

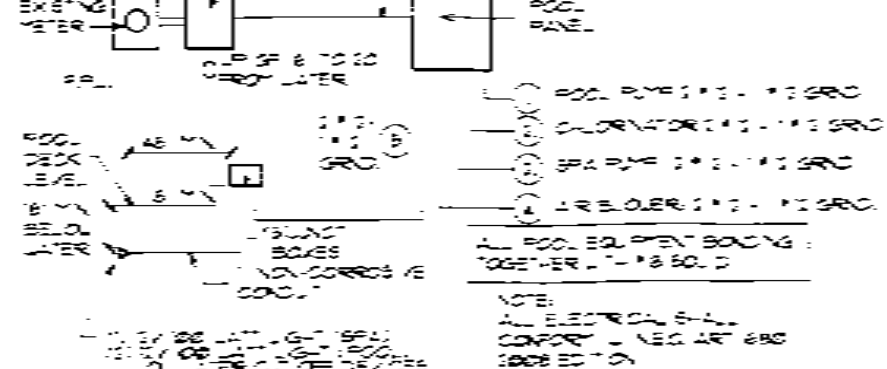
AT ONLY APPLIED WITH  
 OF 3000 PSI

CEED 20" MAXIMUM

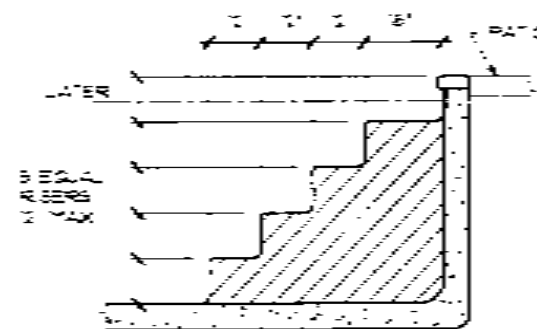
ALL BE LOCATED WITHIN  
 UNDERGROUND ELECTRICAL  
 OF 5 FT. FROM THE POOL  
 TO NEC ART DLE 680

ASS SHALL COMPLY WITH  
 CODE 1001 EDITION 12009 SUPP.

SECTION 513 A SECURED ROPE  
 AT OR NO MORE THAN 7 INCHES  
 AL



**ELECTRICAL RISER DIAGRAM**

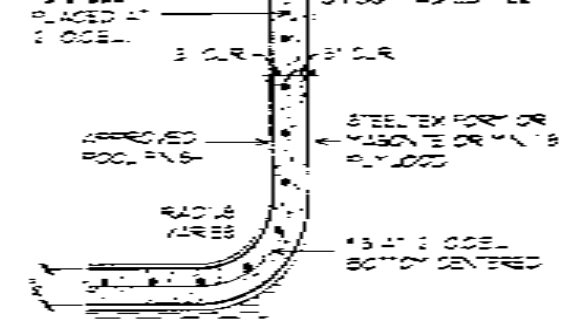
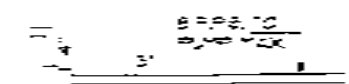


**STEP DETAIL**

**SOIL:** PER FBC RM4433 AND GEOLOGICAL ANALYSIS THROUGH EVALUATION AND  
 KNOWLEDGE OF OTHER PROJECTS IN THE AREA IT IS DETERMINED THE ALLOWABLE  
 SOIL BEARING CAPACITY IS A MINIMUM OF 1000 PSF. FOR THIS PROJECT, FILLING  
 EXCAVATION ON DIFFERENT CONDITIONS ARE FOUND, THE POOL CONTRACTOR AND OR  
 HOMEOWNER WILL TAKE ALL STEPS TO REMEDY THE SITUATION AS WELL AS TO NOTIFY  
 ALL PARTIES INVOLVED

*INDIA STRUCTURAL*

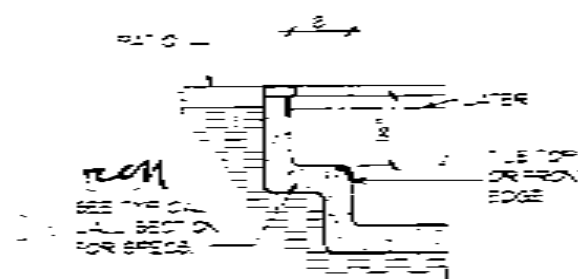
WATER-PROOFING DRAINAGE AS PER  
 1008-1009 (1008-1009) GR. 12009  
 1008



**TYPICAL WALL SECTION**

**BONDING GRID NOTE**

SINGLE SOLID #5 ALG BONDING WIRE 5" TO BE PLACED  
 AROUND THE PERIMETER 5" TO 14" FROM THE POOL WATER'S  
 EDGE AND PLACED AT 10" 6" BELOW GRADE. THE CONNECTION  
 TO POOL SHALL BE IN FOUR LOCATIONS BY EXOTHERMIC  
 WELDING OR BY LISTED PRESSURE CONNECTORS OR CLAMPS  
 THAT ARE LABELED AS BEING SUITABLE FOR THIS PURPOSE  
 AND ARE OF STAINLESS STEEL, BRASS, COPPER OR CORROS  
 ALLOY. THIS SINGLE SOLID #5 ALG WIRE WILL EXTEND ACER  
 CONCRETE SLABERS AND LAPAED SURFACES.



**SLIMOUT DETAIL**

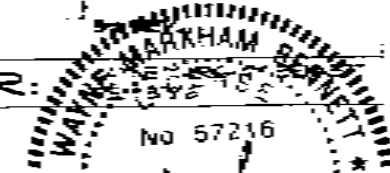
**POOL PLAN FOR:**

SULLIVAN  
 1000 N. NORTH AVE. DOME

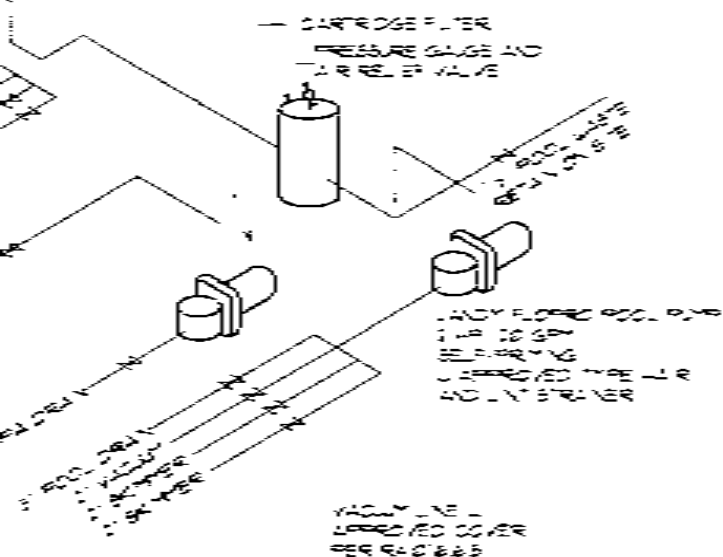
**WAYNE MARKHAM**  
 PROFESSIONAL ENGINEER - 57216

**NATIONWIDE POOLS**  
 1025 NW 46TH COURT  
 FORT LAUDERDALE, FLORIDA 33604

DATE:	6-7-0
ORDER:	010
DIG BY:	N.S.
NAB:	107683-03
1st REV.	
2nd REV.	
3rd REV.	
4th REV.	



1/2" HP JACOBY STEALTH 154-20  
SPA PUMP & 30 GPM SELF-PRIMING  
UNIMPROVED TYPE W/ R AND L V  
STRAINER



ING ISOMETRIC

VACUUM LINE -  
LOOSE RED COVER  
PER R/C 2625

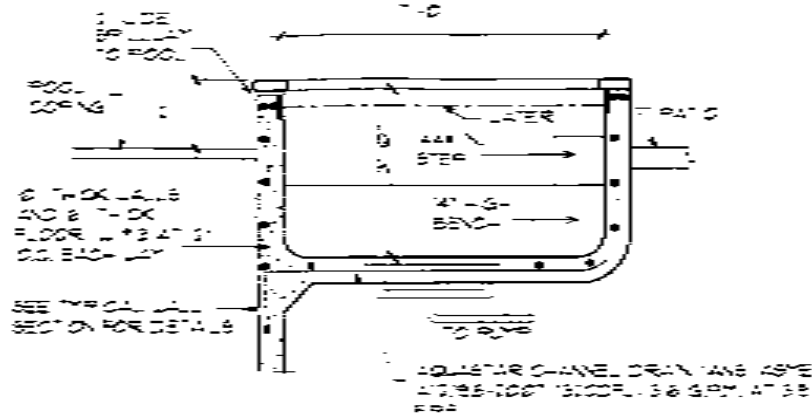
EQUIPMENT  
MUST MEET  
FLMA  
BASE FLOOD ELEVATIONS  
HOLLYWOOD ORD.  
154.20 (E)



NOTE: ANCHOR BOLTS THROUGH BASE  
1. 1/2" X 8" ANCHOR BOLTS FOR PUMP & FILTER  
2. 1/2" ANGLE BRACKETS (GAS)  
3. 1/2" ANGLE BRACKETS (HEAT OLIVE)  
4. 1/2" X 8" ANCHOR BOLTS AND 1/2" X 8" SELF-  
TAPPING SHEET METAL SCREWS

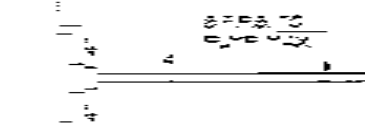
1. DETAILS COMPLY WITH FLMA CODE 30.5  
100% EDITION WITH 100% SUPPLEMENTS

EQUIPMENT ANCHORING



SPA DETAIL

1. AQUASTAR CHANNEL DRAIN (ANSI 405E)  
2. 1/2" X 8" ANCHOR BOLTS (GAS) AT 30  
PER R/C



DRAIN DETAIL

FOR SPA DRAIN

GALLONS 40275 GAL.  
TURNOVER RATE: 4.0 HRS  
PUMP SIZE/MODEL: 1/2" HP JACOBY FLO PRO  
FILTER TYPE/MODEL: 60 SE DE JACOBY  
RECIRCULATION INLETS: 3 WALL - 3 FLOOR  
SKIMMER(S):  
LIGHTING: 3-24" 100 WATT  
HEATER TYPE/SIZE: 400,000 BT. GAS  
VACUUM LINE: YES  
CHLORINATOR MODEL/TYPE: JACOBY SALT WATER FLO ON  
ROSETTE: NO  
FEED LINE: NO  
SUSBLER: YES 1/2" N GAS-ELF IN FRONT OF SPA  
LION HEAD: NO  
DECK JET: NO  
SHOWER DESCENT: NO  
SPRITZER: NO  
THERAPY JETS: NO  
COVER TYPE: ART STC BALLANCE  
HANDHOLD TYPE: NO  
TILE: 6  
INTERIOR FINISH: 1/2" X 12" BRTE  
SUPPORT SIZE: 6  
DECK TYPE: ART STC FLOWERS  
EXIT RAILING: NO  
AUTOMATION TYPE: NO  
POOL ENCLOSURE: NO  
PATIO FOOTERS: NO  
DECK-ON-DECK: NO  
PREG. OVERFLOW LINE:

SPA SPECIFICATIONS

SPA SIZE: 1' X 2'	DEPTH: 36"	DATE: 8-1-8
PERIMETER: 36 LF.	AREA: 24 SF.	ORDER: 078
VOLUME: 1346 GAL.	TURNOVER RATE: 4 HRS	DIG BY: N.A.S.
PUMP SIZE: 1/2" HP JACOBY FLO PRO	N.A.S. # 27263-03	1st REV.
THERAPY JETS: 2		2nd REV.
LIGHTING: 24" 100 WATT		3rd REV.
SPLASHWAY SIZE: 1'		
CLOSER: 1/2" HP		
RAISED: 1'		
ENTRY STEP: NO		
FEEDLINE: YES		

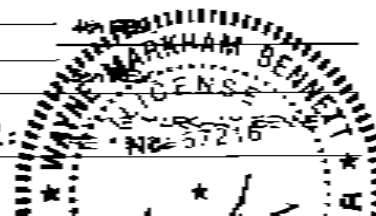
POOL PLAN FOR:

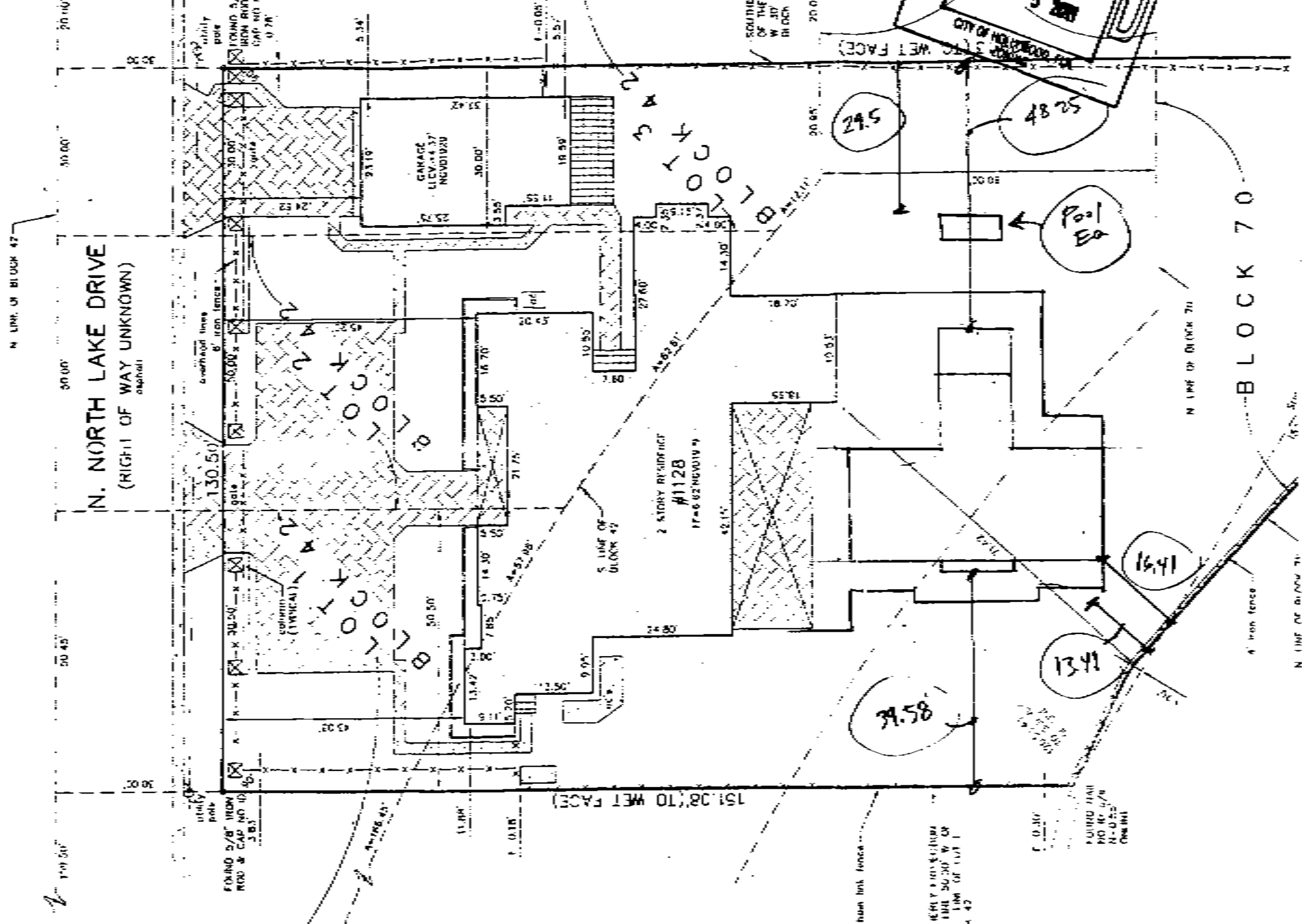
SULLIVAN

WAYNE MARKHAM BENNETT  
PRACT. ARCHITECT ENGINEER # 57216

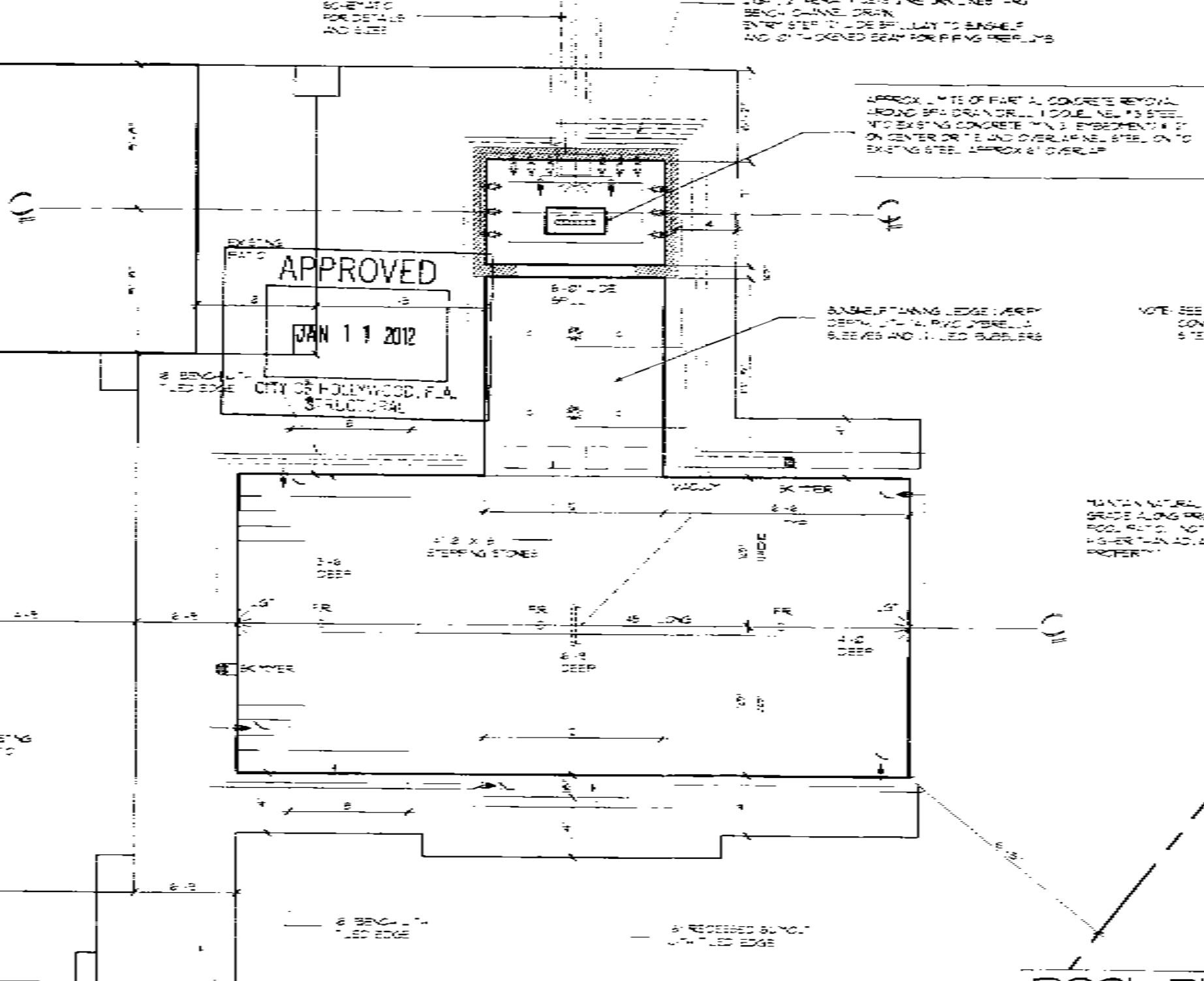
NATIONWIDE POOLS

1023 NW 46TH COURT  
FORT LAUDERDALE, FLORIDA 33304-1









APPROVED

JAN 11 2012

CITY OF HOLLYWOOD, FLA.  
STRUCTURAL

APPROX. 1" THK OF PARTIAL CONCRETE REMOVAL  
AROUND SPA DRAIN OR L.I. COUL. WEL. AS STEEL  
W/O EXISTING CONCRETE MIN. 3" EMBEDMENT MIN. 2"  
ON CENTER OF TIE AND OVERLAP MIN. STEEL ON TO  
EXISTING STEEL APPROX. 6" OVERLAP

BUSHEL FILING LEDE (VERY  
DEPT. 1" MIN. PVC OVERLAP  
SLEEVES AND TIELED SUBBERS

NOTE: SEE PLAN BY GATOR ENGINEERING  
CONSULTANTS P.L.L.C. FOR EXISTING ON  
SITE DRAINAGE SOLUTION

MAINTAIN NATURAL SITE  
GRADE ALONG PROPOSED  
POOL PERIMETER. NOT TO BE  
HIGHER THAN ADJACENT  
PROPERTY

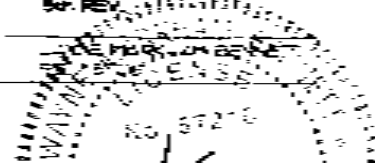
PAVERS TO SERVE AS  
PART OF DRAINAGE  
REMOVE FROM POOL  
DECK

6" RECESSED BUILT-UP  
TIELED EDGE

POOL PLAN FOR:

SULLIVAN  
1128 N. NORTH LAKE DRIVE

DATE	8-7-0
ORDER	270
DWG BY:	NLS
SCALE	1"=2'-0"
1st REV.	BC
2nd REV.	SPA DRAIN NOTE
3rd REV.	
4th REV.	
5th REV.	



WAYNE MARKHAM, BE  
MECHANICAL ENGINEER  
12412  
2015 SOUTH FEDERAL HIGHWAY, SUITE 100  
MILWAUKEE, WISCONSIN 53204

NATIONWIDE POOLS  
1023 NW 48TH COURT  
FORT LAUDERDALE, FLORIDA 33304

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

**NATIONWIDE POOLS**  
1023 N. 40TH AVENUE  
DENVER, COLORADO 80202

DATE: 8-7-80

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ORDER# 670

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DWG BY: NLS

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NAS: \* 07885-03

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1st REV. 80

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2nd REV. SPL. DRN. NOTE

---

3rd REV.

---

4th REV.

SULLIVAN  
128 N. NORTHLAKE DRIVE  
HOLLYWOOD, FLORIDA 33028

APPROXIMATE QUANTITY OF CONCRETE REMOVAL  
AROUND SPA DRAIN DRAIN HOLES, NEW STEEL  
AND EXISTING CONCRETE TO BE REMOVED, 8' ON  
CENTER OF THE AND OVERLAP NEW STEEL ON  
EXISTING STEEL APPROX 8' OVERLAP.

SAFETY WARNING: EDGE VERY  
SHARP. DO NOT TOUCH.  
DO NOT USE TO CUT FINGERS.

NOTE: SEE PLAN BY CIVIL ENGINEERING  
CONSULTANTS FOR EXISTING OR  
SITE DRAINAGE SOLUTION

WANT TO NATURAL SITE  
BRACE ALONG PROPOSED  
POOL PATIO - NOT TO BE  
AFTER "WIND-AGENT"  
PROPERTY.

2000年12月  
 2001年1月  
 2001年2月

BING- CHINESE DRUG  
ENTER STEP BY STEP WAY TO SUCCESS  
AND IT'S OWNED BEST FOR PENDING REFERENCE

EX-10  
= 170

6 SEP 1964

4. 3 X 5 —  
STANDARD

3-2-  
2555

11/25/20

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1. 1. 1.

8520-1  
+ 12.12.12

6. **RECEIVED BY:**  
NAME: \_\_\_\_\_

PLATE TO BE USED AS  
PART OF DAMAGE  
REPORT ONLY  
FBI







LEGEND OF ABBREVIATIONS:

1.1.1	Mathematical Analysis	1.1.1.1	Calculus
1.1.2	Algebra	1.1.2.1	Linear Algebra
1.1.3	Geometry	1.1.3.1	Euclidean Geometry
1.1.4	Trigonometry	1.1.4.1	Trigonometric Functions
1.1.5	Statistics	1.1.5.1	Probability
1.1.6	Number Theory	1.1.6.1	Number Systems
1.1.7	Combinatorics	1.1.7.1	Counting Principles
1.1.8	Mathematical Logic	1.1.8.1	Set Theory
1.1.9	Mathematical Induction	1.1.9.1	Proof Techniques
1.1.10	Mathematical Modeling	1.1.10.1	Applications of Mathematics
1.1.11	Mathematical Physics	1.1.11.1	Mathematical Mechanics
1.1.12	Mathematical Chemistry	1.1.12.1	Mathematical Chemistry
1.1.13	Mathematical Biology	1.1.13.1	Mathematical Biology
1.1.14	Mathematical Economics	1.1.14.1	Mathematical Economics
1.1.15	Mathematical Engineering	1.1.15.1	Mathematical Engineering
1.1.16	Mathematical Medicine	1.1.16.1	Mathematical Medicine
1.1.17	Mathematical Law	1.1.17.1	Mathematical Law
1.1.18	Mathematical History	1.1.18.1	Mathematical History
1.1.19	Mathematical Philosophy	1.1.19.1	Mathematical Philosophy
1.1.20	Mathematical Art	1.1.20.1	Mathematical Art
1.1.21	Mathematical Literature	1.1.21.1	Mathematical Literature
1.1.22	Mathematical Music	1.1.22.1	Mathematical Music
1.1.23	Mathematical Games	1.1.23.1	Mathematical Games
1.1.24	Mathematical Puzzles	1.1.24.1	Mathematical Puzzles
1.1.25	Mathematical Riddles	1.1.25.1	Mathematical Riddles
1.1.26	Mathematical Jokes	1.1.26.1	Mathematical Jokes
1.1.27	Mathematical Anecdotes	1.1.27.1	Mathematical Anecdotes
1.1.28	Mathematical Legends	1.1.28.1	Mathematical Legends
1.1.29	Mathematical Folklore	1.1.29.1	Mathematical Folklore
1.1.30	Mathematical Superstitions	1.1.30.1	Mathematical Superstitions
1.1.31	Mathematical Beliefs	1.1.31.1	Mathematical Beliefs
1.1.32	Mathematical Opinions	1.1.32.1	Mathematical Opinions
1.1.33	Mathematical Attitudes	1.1.33.1	Mathematical Attitudes
1.1.34	Mathematical Values	1.1.34.1	Mathematical Values
1.1.35	Mathematical Principles	1.1.35.1	Mathematical Principles
1.1.36	Mathematical Theorems	1.1.36.1	Mathematical Theorems
1.1.37	Mathematical Lemmas	1.1.37.1	Mathematical Lemmas
1.1.38	Mathematical Corollaries	1.1.38.1	Mathematical Corollaries
1.1.39	Mathematical Propositions	1.1.39.1	Mathematical Propositions
1.1.40	Mathematical Conjectures	1.1.40.1	Mathematical Conjectures
1.1.41	Mathematical Hypotheses	1.1.41.1	Mathematical Hypotheses
1.1.42	Mathematical Assumptions	1.1.42.1	Mathematical Assumptions
1.1.43	Mathematical Postulates	1.1.43.1	Mathematical Postulates
1.1.44	Mathematical Axioms	1.1.44.1	Mathematical Axioms
1.1.45	Mathematical Principles	1.1.45.1	Mathematical Principles
1.1.46	Mathematical Theorems	1.1.46.1	Mathematical Theorems
1.1.47	Mathematical Lemmas	1.1.47.1	Mathematical Lemmas
1.1.48	Mathematical Corollaries	1.1.48.1	Mathematical Corollaries
1.1.49	Mathematical Propositions	1.1.49.1	Mathematical Propositions
1.1.50	Mathematical Conjectures	1.1.50.1	Mathematical Conjectures
1.1.51	Mathematical Hypotheses	1.1.51.1	Mathematical Hypotheses
1.1.52	Mathematical Assumptions	1.1.52.1	Mathematical Assumptions
1.1.53	Mathematical Postulates	1.1	

1. Unless otherwise noted field measurements are in agreement with record measurement.
2. Bearings shown hereon are based on a bearing of N/A.
3. The lands shown hereon were not abstracted for ownership, rights of way, easements, or other matters of records by Accurate Land Surveyors, Inc.
4. Ownership of fences and walls if any are not determined.
5. This survey is the property of Accurate Land Surveyors, Inc. and shall not be used or reproduced in whole or in part without written authorization.
6. This survey is made for the exclusive use of the certified hereon, to be valid one year from the date of survey as shown hereon.
7. This survey was made for mortgage and title purposes only and is not valid for design or construction purposes.
8. This drawing is the property of Accurate Land Surveyors, Inc. and shall not be used for reproduction in whole or in part without written authorization.

Community name and number: Hollywood 125113  
Map and panel number: 12011C0317G  
County: Howard  
Index date: 10-02-97  
Panel date: 10-02-97  
Flood zone: "AE"  
Base flood elevation: 6'NGVD1929

City of Hollywood Benchmark P K nail and disc 5'± North of centerline of N Northlake Drive and 1st Avenue Elevation = 3.69'NGVD1929

Peter J. Sullivan  
East Coast Title Co. of Florida  
Fidelity National Title Insurance Company

ENCROACHMENTS ACCORDING TO THE AFORESAID PLAT:  
Drive encroaches into right of way on North side of property.  
Dock encroaches into lake on South side of property

[illegible]

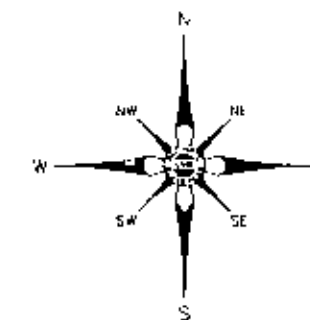
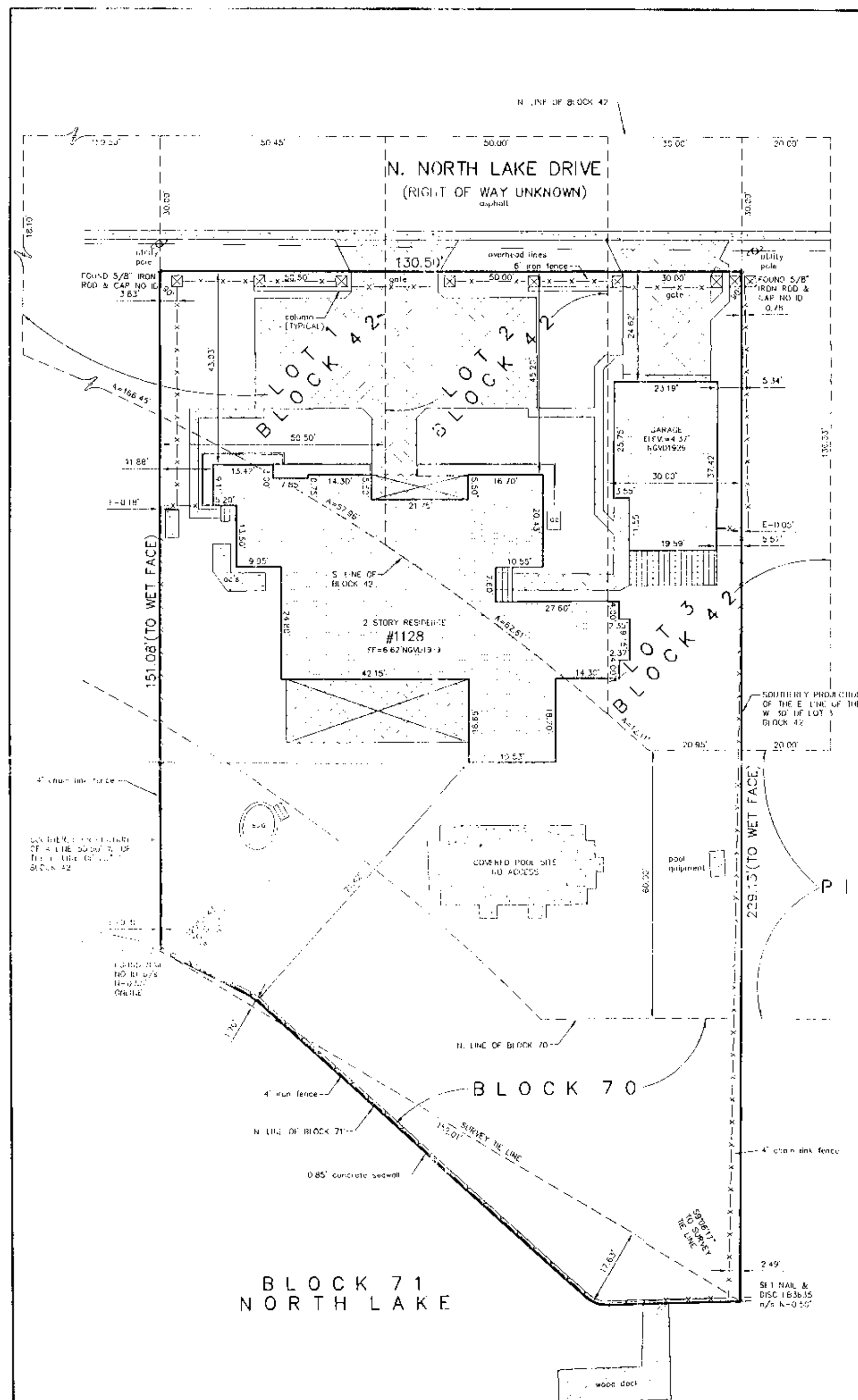
THIS IS TO CERTIFY THAT I HAVE RECENTLY SURVEYED THE PROPERTY DESCRIBED IN THE FOREGOING TITLE CAPTION AND HAVE SET OR FOUND MONUMENTS AS INDICATED IN THIS SKETCH AND THAT SAID ABOVE GROUND SURVEY AND SKETCH ARE ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT THIS SURVEY MEETS MINIMUM TECHNICAL STANDARDS UNDER RULE 61G17-6, ADOPTED BY THE FLORIDA BOARD OF LAND SURVEYORS, MAY 1995.

ROBERT L. THOMPSON (PRESIDENT)  
PROFESSIONAL SURVEYOR AND MAPPER No.3869 STATE OF FLORIDA

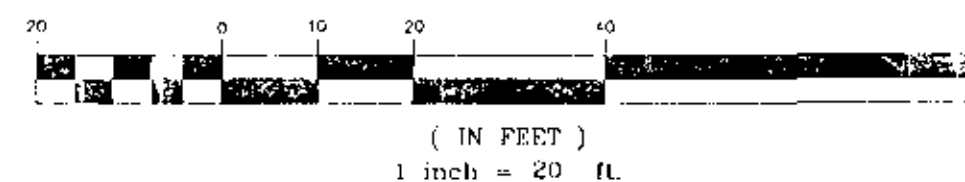
SHEET 1 OF 1	SCALE 1"=20'	SKETCH NUMBER SU-09-286
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SHEET 1 OF 1	SCALE 1"=20'	SKETCH NUMBER SU-09-286
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SHEET 1 OF 1	SCALE 1"=20'	SKETCH NUMBER SU-09-286
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GRAPHIC SCALE



VACATED  
PIERCE STREET

## 1128 N. Northlake Drive, Hollywood, Florida 33019

Lot 2, Block 42 less the North 30 feet of said lot 2 for street right-of-way, and including the East 50.50 feet of lot 1, Block 42, less the North 30 feet of said Lot 1 for street right-of-way, and including all that part of Pierce Street and that part of Block 76 lying South of said Lots 1 and 2 and lying North of Block 71 (called North Lake) bounded as follows: on the North by the South line of said Lots 1 and 2; on the South by the North line of Block 71 (called North Lake); on the East by the East line of said Lot 2 extended Southerly; and the West by a line parallel to and 50.50 feet West of the East line of said Lot 1 extending Southerly; according to the Plan of HOLLYWOOD LAKES SECTION as recorded in Plat Book 1, at Page 32, of the Public Records of Broward County, Florida; and ALSO

The West 30 feet of Lot 3 of Block 42 of HOLLYWOOD LAKES SECTION, according to the Plat thereof recorded in Plat Book 1, Page 32. of the Public Records of Broward County, Florida; and ALSO

All that parcel of land described and bounded as follows: Being a part of Pierce Street and a part of Block 70 of HOLLYWOOD LAKES SECTION, bounded on the North by the South line of the West 30 feet of lot 3 of Block 42 of said subdivision, on the South by Block 71, HOLLYWOOD LAKES SECTION, otherwise described as North Lake of said subdivision, on the East by the East line of the West 30 feet of Lot 3 of Block 42 extended in a Southerly direction, and on the West by the West line of Lot 3 of Block 42, extended in a Southerly direction, as shown on the Plat of HOLLYWOOD LAKES SECTION recorded in Plat Book 1, Page 32, of the Public Records of Broward County, Florida; being all that parcel of land lying South of the West 30 feet of Lot 3 of Block 42 of HOLLYWOOD LAKES SECTION, extending to the North Lake in said subdivision; said lands situate, lying and being in Broward County, Florida.



3. AFTER THE WASHED ROCK HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY VIBRATED OR COMPACTED IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL WASHED ROCK WILL BE ADDED TO RESTORE THE WASHED ROCK TO THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH CAN BE COMPLETED IN ACCORDANCE WITH THE DETAIL.



BUILDING FOOTPRINT	3,806 SQ FT	14.71 %
PAVERS, DRIVEWAY & POOL	5,131 SQ FT	19.84 %
CONC. SLABS	1,234 SQ FT	4.77 %
LANDSCAPE	15,698 SQ FT	60.68 %
TOTAL PERVIOUS AREA	15,698 SQ FT	60.68 %
TOTAL IMPERVIOUS AREA	10,171 SQ FT	39.32 %
TOTAL AREA	25,869 SQ FT	100.00%

BUILDING FOOTPRINT	3,806 SQ FT	14.71 %
PAVERS, DRIVEWAY & POOL	5,131 SQ FT	19.84 %
CONC. SLABS	1,234 SQ FT	4.77 %
LANDSCAPE	15,698 SQ FT	60.68 %
TOTAL PERVIOUS AREA	15,698 SQ FT	60.68 %
TOTAL IMPERVIOUS AREA	10,171 SQ FT	39.32 %
TOTAL AREA	25,869 SQ FT	100.00%

SHEET TITLE

***DRAINAGE  
PLAN***

---

***C1*** OF ***1***





## Plant List

Sym	Qty	Botanical/ Common Name	Size
RR	1	Roystonea regia/ Royal Palm	24' GW
CG	2	Caesalpinia granadillo/ Bridalveil	12' Ht x 5' Spr, 2" DBH
TI	5	Tabebuia impetiginosa/ Purple Trumpet	10' Ht x 5' Spr, 2" DBH
DR	1	Delonix regia/ Royal Poinciana	12' Ht x 5' Spr, 2" DBH
JA	1	Jacaranda mimosifolia/ Jacaranda	12' Ht x 5' Spr, 2" DBH
PH	2	Phoenix dactylifera/ Medjool/ Date Palm	14' CT, matched
VM1	1	Veitchia montgomeryana/ Montgomery Palm	16' OA Ht, triple trunk
VM	4	Veitchia montgomeryana/ Montgomery Palm	16' OA Ht, single trunk
CIT	1	Citrus sp./ Citrus to be selected	10' Ht x 4' Spr, 2" DBH
TH	6	Thrinax radiata/ Florida Thatch Palm	5' OA Ht
PA	1	Persera americana/ Avocado	12' Ht x 5' Spr, 2" DBH
MT	1	Transplanted mango	
DE	30	Duranta erecta/ Gold Mound/ Gold Mound	16" x 20", 24" O.C.
TE	65	Thunbergia erecta/ King's Mantle	24" x 24", 24" O.C.
CU	3	Clerodendrum uapendense/ Blue Butterfly	24" x 24", 24" O.C.
BG	2	Brunfelsia grandiflora/ Yesterday, Today, Tomorrow	24" x 24", 24" O.C.
GG	47	Galphimia gracilis/ Thymalis	24" x 24", 24" O.C.
CM	6	Caryota mitis/ Fishtail Palm	8' Ht x 4' Spr
CI	23	Chrysobalanus icaco/ Cocoplum	24" x 24", 24" O.C.
TM	9	Trimezia martinicensis/ Yellow Walking Iris	12" x 12", 24" O.C.
BA	12	Bambusa multiplex/ Bamboo	8' x 4"
HI	1	Hibiscus sp./ White Hibiscus	5' Ht x 3' Spr, 2" Cal. Std
AE	6	Aechmea sp/ Bromeliad	24" x 24", to be selected
TR	28	Trachelospermum asiaticum/ Dwarf Confed. Jas	8" x 8", 12" O.C.
SN	4	Streitzia nicotia/ Giant White Bird of Paradise	8' Ht 5 stem min
MS	148	Microsorium scolopendrium/ Wart Fern	12" x 12", 18" O.C.
CR	14	Crinum sp./ Crinum Lily	30" x 24"
PB	37	Philodendron 'Burle Marx'/ Burle Marx	18" x 18", 24" O.C.
AP	7	Alpinia purpurata/ Red Ginger	30" x 24", full
HD	93	Helianthus debilis/ Dune Sunflower	12" x 12", 15" O.C.
PS	16	Pennisetum setaceum/ Fountain Grass	18" x 18", 24" O.C.
AD	25	Asparagus densiflorus 'Myers'/ Foxtail Fern	16" x 16", 18" O.C.
EI	38	Epidendrum ibaguense/ Reed Stem Orchid	1 gal, full, 12" O.C.
FM	130	Ficus 'Green Island'/ Green Island	16" x 18", 24" O.C.
HP	25	Hamelia patens 'Compacta'/ Firebush	24" x 24", 24" O.C.
ST	32	Sansevieria trifasciata 'Black Gold'/ Snake Plant	18" Ht, 24" O.C.
BR	144	Barleria repens/ Coral Creeper	12" x 12", 12" O.C.
BO	8	Bougainvillea 'Purple'/ Bougainvillea	4' runners attach to column
MB	3	Musa Sp./ Banana to be selected	6' Ht
PI	25	Plumbago 'Imperial Blue'/ Plumbago	24" x 24", 24" O.C.
Sod		St. Augustine 'Floratum'	
Mulch		Shredded Melaleuca or Eucalyptus	

## Existing Tree Chart

Existing tree symbol	Quantity	Name	Canopy Size	Work to be Done
A	1	Mango		To be transplanted
B	4	Royal palm		To remain
C	1	Black olive	1225 sf	To be removed
D	1	Chinese fan palm		To remain
E	2	Calophyllum	576 sf each	To be removed
F	2	Queen palm		To remain
G	1	Queen palm		To be removed
H	1	Loquat		To be removed
J	5	Live oak	170 sf each	Existing under utility lines

To be removed, not shown on plan:  
6 Washington palm  
7 ligustrum  
4 thatch palm

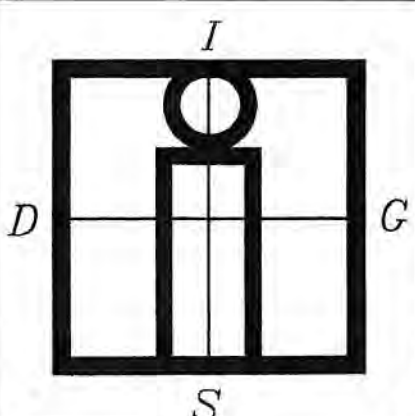
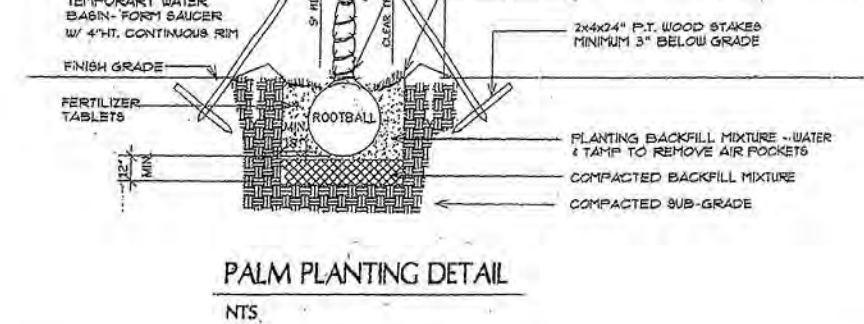
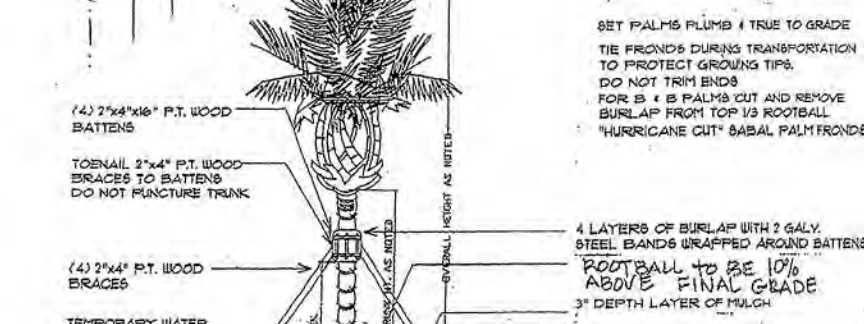
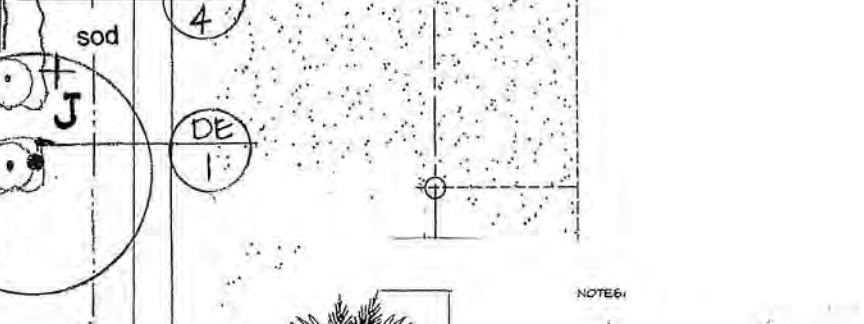
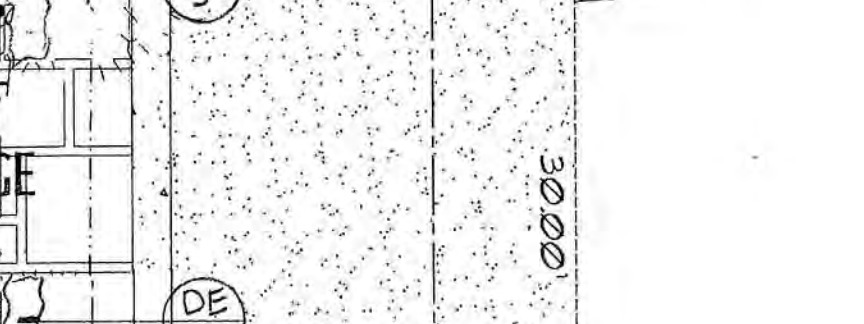
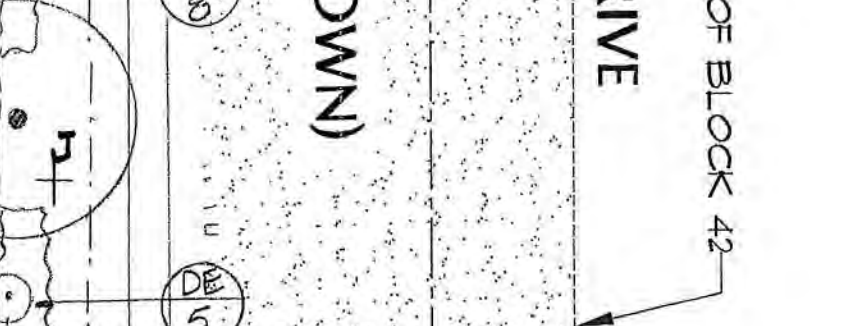
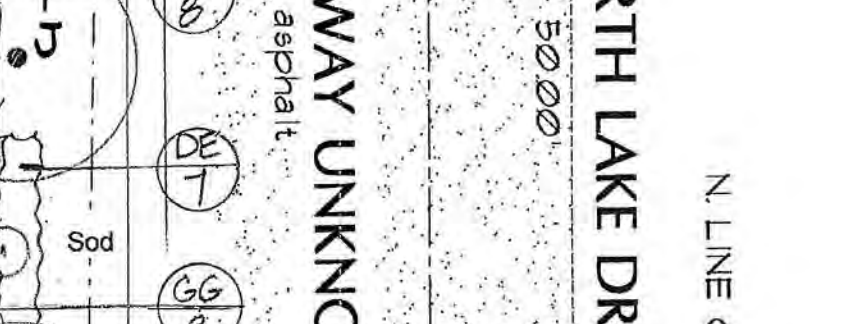
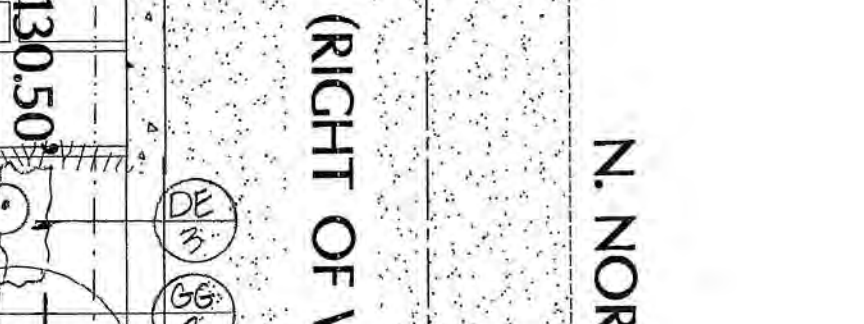
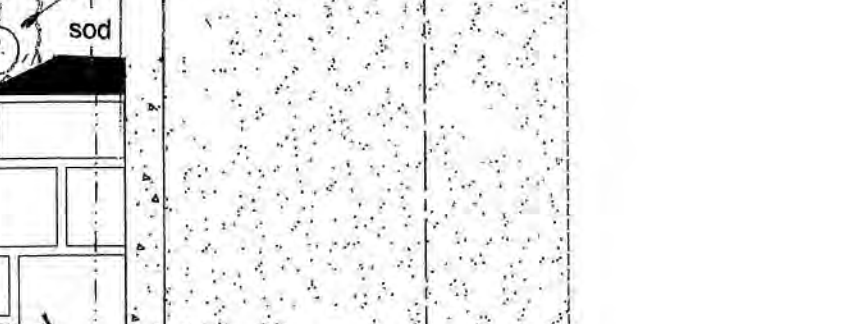
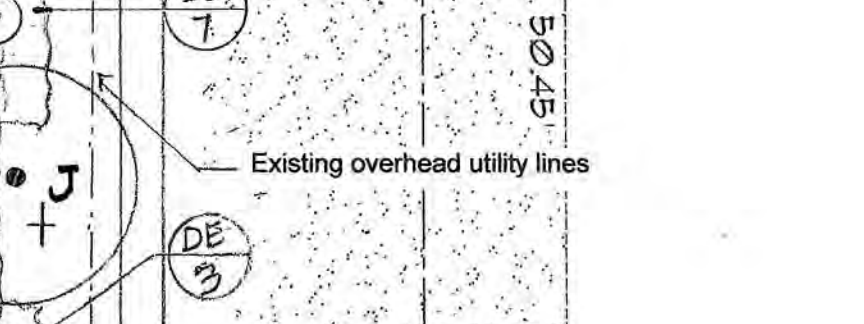
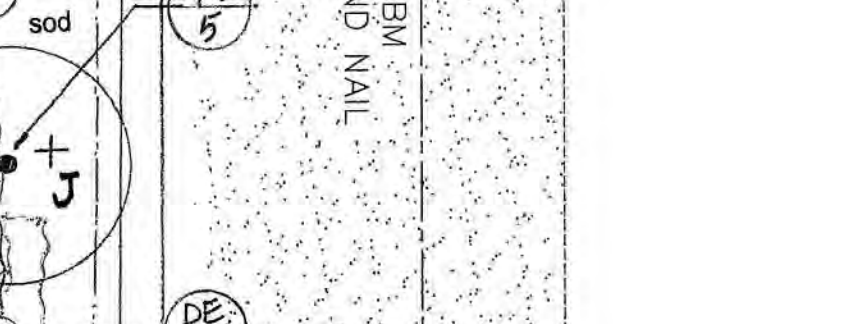
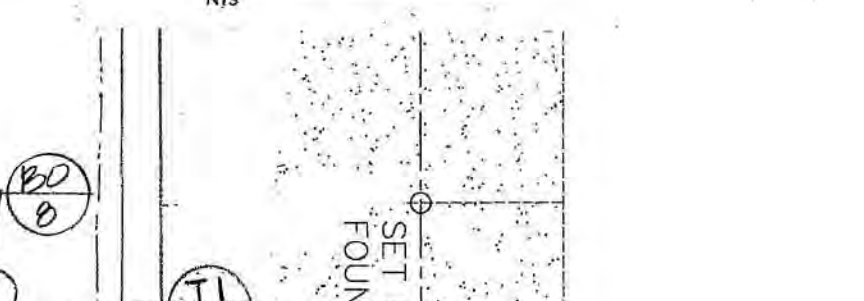
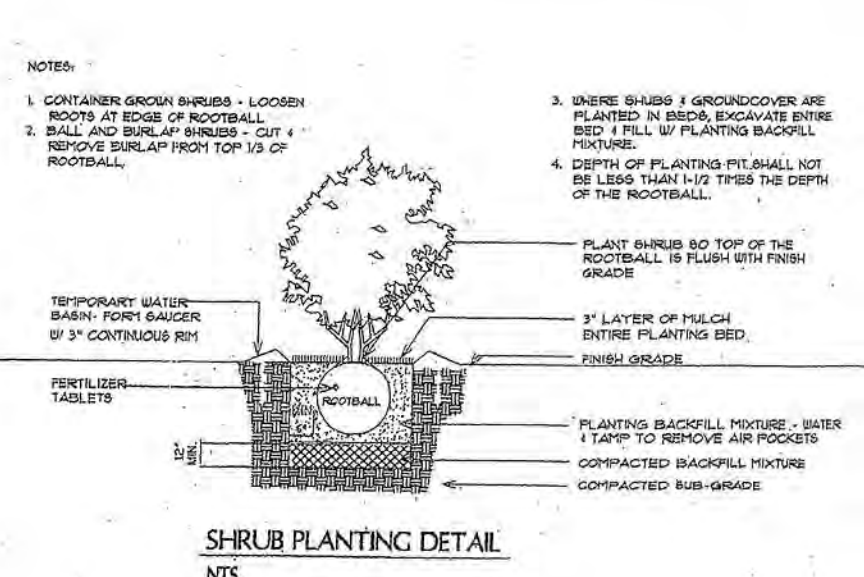
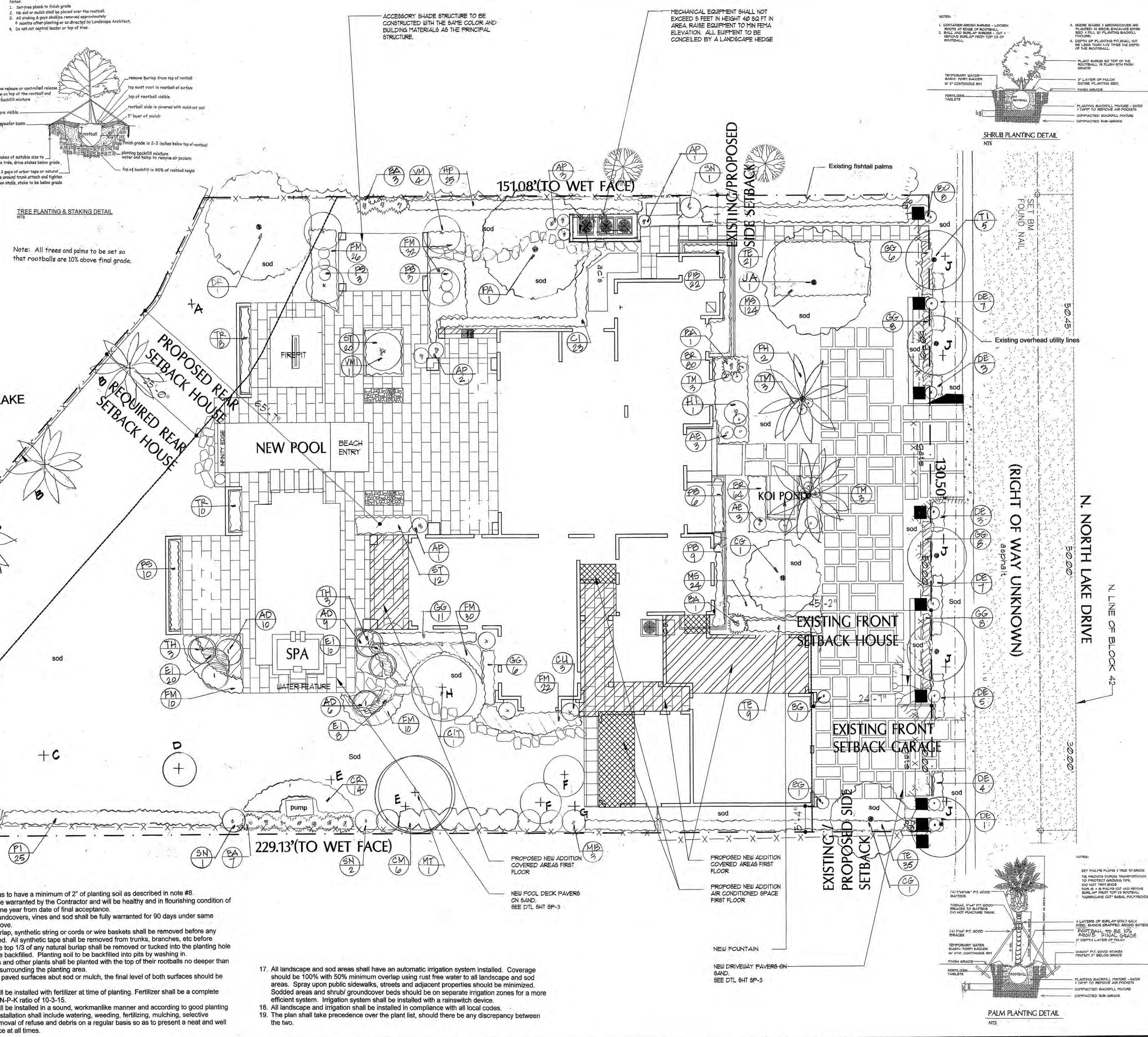
Note: A tree removal permit is required by the City prior to the removal of any trees from site.

## General Notes:

- All plant material shall be Florida No. 1 or better as given in the current Grades and Standards for Nursery Plants, 2nd Edition, February 1998, Florida Department of Agriculture and Consumer Services, Division of Plant Industry.
- All plant materials shall be subject to inspection and approval by the Landscape Architect at place of growth and upon delivery for conformity to specification.
- All plants shall be true to species and variety and shall conform to measurements specified. All substitutions shall be submitted to the City and Landscape Architect for final approval.
- All plants shall be exceptionally heavy, symmetrical, tight knit and so trained in appearance as to be superior to form, branching and symmetry.
- Contractor shall notify S.U.N.S.H.I.N.E. (1-800-432-4770) for locations of existing utility lines 48 hours prior to beginning work. Contractor shall verify location of all utility lines and easements prior to commencing any work. Excavation in the vicinity of underground utilities shall be undertaken with care and by hand, if necessary. The Contractor bears full responsibility for this work and disruption or damage to utilities shall be repaired immediately at no expense to Owner.
- Grade B+, shredded sterilized Melaleuca or Eucalyptus mulch shall be used in all mass planting beds and for individual tree pits. All trees shall have a mulch ring with a depth of 3" and a diameter of 3'-4' around their base. All mulch shall be kept 4" from base of all plant material. Mulch beds shall be a minimum of 12" wider than plants measured from outside edge of foliage.
- Sod shall be St. Augustine 'Floratum' solid and free of weeds, insects, fungus and disease, laid with alternating and abutting joints.
- All trees and shrubs shall be backfilled with a suitable planting soil consisting of 50 percent sand and 50 percent approved compost. All plant materials shall be planted with a minimum of 6 to 18 inches of this planting soil around the root ball. Refer to planting details. Planting soil to be backfilled into plant pits by washing in. Planting beds shall be free from road, pea, egg or colored rock, building materials, debris, weeds, noxious pests and disease.
- All sodded areas to have a minimum of 2" of planting soil as described in note #8.
- All trees shall be warranted by the Contractor and will be healthy and in flourishing condition of active growth one year from date of final acceptance.
- All shrubs, groundcovers, vines and sod shall be fully warranted for 90 days under same condition as above.
- All synthetic burlap, synthetic string or cords or wire baskets shall be removed before any trees are planted. All synthetic tape shall be removed from trunks, branches, etc before inspection. The top 1/3 of any natural burlap shall be removed or tucked into the planting hole before trees are backfilled. Planting soil to be backfilled into pits by washing in.
- All trees, palms and other plants shall be planted with the top of their rootballs no deeper than the final grade surrounding the planting area.
- In areas where paved surfaces abut sod or mulch, the final level of both surfaces should be even.
- All planting shall be installed with fertilizer at time of planting. Fertilizer shall be a complete fertilizer with a N-P-K ratio of 10-3-15.
- All planting shall be installed in a sound, workmanlike manner and according to good planting procedures. Installation shall include watering, weeding, fertilizing, mulching, selective pruning and removal of refuse and debris on a regular basis so as to present a neat and well kept appearance at all times.
- All landscape and sod areas shall have an automatic irrigation system installed. Coverage should be 100% with 50% minimum overlap using rust free water to all landscape and sod areas. Spray upon public sidewalks, streets and adjacent properties should be minimized. Sodded areas and shrub/ groundcover beds should be on separate irrigation zones for a more efficient system. Irrigation system shall be installed with a rainwater device.
- All landscape and irrigation shall be installed in compliance with all local codes.
- The plan shall take precedence over the plant list, should there be any discrepancy between the two.

# LANDSCAPE PLAN

SCALE : 1" = 10' - 0"



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REVISIONS

Date Of Issue  
4/12/10

## LANDSCAPE PLAN

L-1