

Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 10/28/2016
Control Number C-16-000747
Permit Number 16-1481
Permit Issue Date 05/06/2016
Certificate Number 16-1481

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 27 BROWER DR. Brick Township, NJ Block: 89.01 Lot: 40 Qual: _____
Owner in Fee: NATALE, DION
Owner Address: 2378 WALDHEIM AVE SCOTCH PLAINS NJ 07076
Telephone: [REDACTED]
Contractor PARADISE POOL AND SPAS, NJ
Address 515 BRICK BLVD BRICK NJ 08723
Telephone: (732) 920-7727 Fax: (732) 928-7739
License Number or Builders Registration Number: 13VH04360900 Federal Emp. Number: 26-177328-3

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: U Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: INGROUND SWIMMING POOL

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

Daniel Newman Jr

Construction Official

Fee: \$0.00

Check Number: _____

Collected By: _____



Council on Affordable Housing (COAH) Fee

Block: 89.01 Lot: 40 27 BROWER DR.

General **Fees** Payments

General

Date: 02/24/2016

Application Type:

Residential

...

Application Number:

ZA-16-00247

Values

Sq. Ft.:

Cost / Sq. Ft.:

Estimated Assessed Value:

Actual Assessed Value:

Equalized Value:

Land Value:

11,000

10,900

☐ Use Cost / Sq. Ft. for Calculation

☒ Use % of Assessed Value for Calculation

Contributions

Initial % Due:

% Required:

Estimated Contribution Fee:

Actual Contribution Fee:

0.5

1

0

110

☒ Use Estimated Fee for Payment Due

☐ Use Actual Fee for Payment Due

Notes

Prelim Fees Due \$55.00

Final Due \$54

OK

Cancel



Receipt

Payment Date 05/06/2016

Transaction # PMT-16-03940

Receipt #

Issued To Paradise Pools and Spas NJ LLC

Description Preliminary Affordable Housing
27 Brower Dr.
Block: 89.01 Lot: 40

Date Printed 05/06/2016
Check Number 3556

Cash	\$0.00
Check	\$55.00
Charge	\$0.00
Total Paid	\$55.00



Receipt

Payment Date 10/11/2016

Transaction # PMT-16-08952

Receipt #

Issued To Wendy Natale

Description Final Affordable Housing
27 Brower Drive
Blk 89.01, Lot 40

Date Printed 10/11/2016

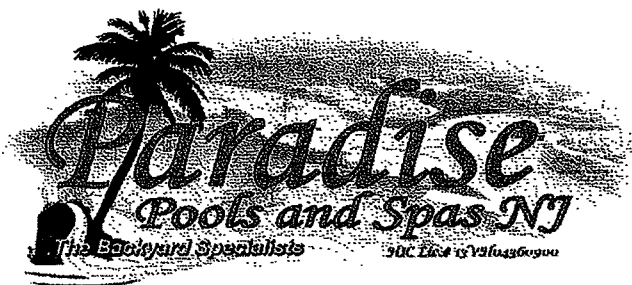
Check Number 282

Cash \$0.00

Check \$54.00

Charge \$0.00

Total Paid \$54.00



515 Brick Blvd
Brick NJ 08723
www.paradise pools and spas nj@yahoo.com
Ph 732-920-7727
Fax 732-920-2257

paid
10/8/16
UK# 282
54.00

September 23, 2016

Mr. & Mrs. Natale
27 Brower Dr
Brick NJ 08723

The township notified us that the final affordable housing
payment is due in the amount of \$54.

Please make payment at the building department.

Thank You

Paradise Pools

Blk -

89.01

Lot 40

mailed to:

401 Chambers Bridge Rd.
Brick, NJ 08723

attn: Building Dept.

In Ground Pool
Finals Necessary for CA[print](#)
[reset defaults](#)
[check all](#)
[complete](#)**Checklist for IG Pools****In Ground Pools**

Final Building

[comment](#) ☒ ☐

Final Electrical

[comment](#) ☒ ☐

Final Plumbing

[comment](#) ☒ ☐

Final Engineering

[comment](#) ☒ ☐

sent to Engineering with jacket MFF 8/31/16 Grading issues - need reinspection 9/9/16 rec'd in bldg.
9/13/16 MF Handed in revised as built survey gave file to RH 9/26/16 LH Need revised survey 10/20/16 rec'd
in bldg. 10/21/16 MFF Passed 10/26 rec'd in bldg. 10/28/16 MFF

Affordable Housing

[comment](#) ☒ ☐

PAID FINAL ON 10/11/16 KB - sent to AH with jacket 9/13/16 MFF Final AH Due \$54 - Spoke to Bri
Paradise Pools on 9/22/16 MFF

This checklist has been given to: [\(edit\)](#)

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

John G. Ducey, Mayor

Township Council:

Paul Mummolo - President
Heather deJong - Vice
President
Jim Fozman
Susan Lydecker
Bob Moore
Marianna Pontoriero
Andrea Zapic



Division of Engineering

Elissa C. Commins, PE, PP, CME, CPWM, CFM
Township Engineer & Floodplain Manager
Ecommins@twp.brick.nj.us

732-262-1040
Fax: 732-262-2941
www.twp.brick.nj.us

INGROUND POOL INSPECTION FORM

NAME: Dion Natale
ADDRESS: 27 Brower Dr.
CITY: Brick
STATE: NJ ZIP CODE: 08723
PHONE NUMBER: [REDACTED]
BLOCK: 89.01 LOT: 40

CONTRACTOR: Paradise Pools
ADDRESS: 515 Brick Blvd.
CITY: Brick
STATE: NJ ZIP CODE: 08723
PHONE NUMBER: (732) 920-7727
STATE LICENSE NUMBER: 130H04360900

TYOE OF INSPECTION	APPROVED	REJECTED	EXPLANATION
POOL LOCATION:	☒		
POOL ELEVATION:	☒		
CONCRETE WALKWAY:	☒		
CONSTRUCTION ENTRANCE:	☒		
(A) CONCRETE CURB:	☒		
(B) CONCRETE SIDEWALK:	☒		
(C) ROAD PAVEMENT:	☒		
RETAINING WALL:	☒		
BULKHEAD:	☒		
LANDSCAPE BERM:	☒		
BACKWASH HOSE:	☒		
GRADING:	☒		
SOIL STABILIZATION:	☒		
ASBUILT REQUIRED:	☒	NO	<u>Recvd-OK-10/11</u>
CLEAN UP:	☒		
SAFETY:	☒		

ENGINEER REVIEW BY: [Signature]

DATE: 10/27/11

INSPECTORS NAME: R. Harris



Pass

DATE: 10/26/16

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

John G. Ducey, Mayor

Township Council:

Paul Mummolo - President
Heather deJong - Vice President
Jim Fozman
Susan Lydecker
Bob Moore
Marianna Pontoriero
Andrea Zapcic



Division of Engineering

Elissa C. Commins, PE, PP, CME, CPWM, CFM
Township Engineer & Floodplain Manager
Ecommins@twp.brick.nj.us

732-262-1040
Fax: 732-262-2941
www.twp.brick.nj.us

INGROUND POOL INSPECTION FORM

NAME: Dion Natale
ADDRESS: 27 Brauer Dr.
CITY: Brick
STATE: NJ ZIP CODE: 08723
PHONE NUMBER: [REDACTED]
BLOCK: 89.01 LOT: 40

CONTRACTOR: Paradise Pools
ADDRESS: 515 Brick Blvd.
CITY: Brick
STATE: NJ ZIP CODE: 08723
PHONE NUMBER: (732) 920-7727
STATE LICENSE NUMBER: 13UH04360900

TYOE OF INSPECTION	APPROVED	REJECTED	EXPLANATION
POOL LOCATION:	☒		
POOL ELEVATION:	☒		
CONCRETE WALKWAY:	☒		
CONSTRUCTION ENTRANCE:	☒		
(A) CONCRETE CURB:	☒		
(B) CONCRETE SIDEWALK:	☒		
(C) ROAD PAVEMENT:	☒		
RETAINING WALL:	☒		
BULKHEAD:	☒		
LANDSCAPE BERM:	☒		
BACKWASH HOSE:	☒		
GRADING:	☒		
SOIL STABILIZATION:	☒		
* ASBUILT REQUIRED:	☒ YES	NO	* Revised Survey Required
CLEAN UP:	☒		owner notified via phone
SAFETY:	☒		& email - see attached

ENGINEER REVIEW BY: [Signature]

DATE: 10/21/16

INSPECTORS NAME: R. Harris



Fail

DATE: 10/20/16

Russell Harris

From: Russell Harris
Sent: Thursday, October 20, 2016 8:49 AM
To: [REDACTED]
Subject: 27 Brower - Survey Revisions - 10-20-16
Attachments: 27 Brower - Final Survey Mark-up - 10-20-16.pdf

Hey Dion. See attached marked-up survey. Just a discrepancy with the storage room floor elevation. As soon as it's revised get me 2 copies and I'll be able to process for the final. Let me know if any questions.

Russell Harris
Senior Road Inspector
Engineering Department
Township of Brick
Phone: 732-262-1040
Fax: 732-262-2941

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

John G. Ducey, Mayor

Township Council:

Paul Mummolo - President
Heather deJong - Vice
President
Jim Fozman
Susan Lydecker
Bob Moore
Marianna Pontoriero
Andrea Zapcic



Division of Engineering

Elissa C. Commins, PE, PP, CME, CPWM, CFM
Township Engineer & Floodplain Manager
Ecommins@twp.brick.nj.us

732-262-1040
Fax: 732-262-2941
www.twp.brick.nj.us

INGROUND POOL INSPECTION FORM

NAME: Dion Natale
ADDRESS: 27 Brower Dr.
CITY: Brick
STATE: NJ ZIP CODE: 08723
PHONE NUMBER: [REDACTED]
BLOCK: 89.01 LOT: 40

CONTRACTOR: Paradise Pools & Spas
ADDRESS: 515 Brick Blvd.
CITY: Brick
STATE: NJ ZIP CODE: 08723
PHONE NUMBER: (732) 920-7427
STATE LICENSE NUMBER: 13UH04360900

TYOE OF INSPECTION	APPROVED	REJECTED	EXPLANATION
POOL LOCATION:	☒		
POOL ELEVATION:	☒		
CONCRETE WALKWAY:	☒		
CONSTRUCTION ENTRANCE:	☒		
(A) CONCRETE CURB:	<u>N/A</u>		
(B) CONCRETE SIDEWALK:	<u>N/A</u>		
(C) ROAD PAVEMENT:	☒		
RETAINING WALL:	<u>N/A</u>		
BULKHEAD:	☒		
LANDSCAPE BERM:	☒		
BACKWASH HOSE:	☒		
GRADING:		☒	
SOIL STABILIZATION:	☒		
ASBUILT REQUIRED:	☒	☒	<u>*As-Built required</u>
CLEAN UP:	☒		<u>for completed property</u>
SAFTEY:	☒		<u>(condition of Dwelling Co)</u>

ENGINEER REVIEW BY: [Signature]

DATE: _____

INSPECTORS NAME: R. Harris



Fail

DATE: 9/9/16

INSPECTOR: Russell Harris

DATE: Fri. 6/3/16

JOB: Single Family SECTION: Sandy Point
New Construction

TYPE OF WORK: Final CO Re-inspection

WEATHER: overcast

LOCATION: 27 Brauer Dr.

TEMPERATURE: 70's

BLOCK: 89.01

LOT: 40

**ENGINEERING RECOMMENDATIONS FOR
CERTIFICATE OF OCCUPANCY
INSPECTION CHECK LIST**

ITEMS TO BE COMPLETED	COMPLETED	DEFICIENT
1. Driveway	✓	
2. Grading	✓	
3. Sidewalk	N/A	
4. Road Pavement	✓	
5. Landscaping & Sodding	✓	
6. Clean-up Procedures	✓	
7. Note on going construction in immediate area	Pool Permit #16-000747	
8. Safety	✓	

COMMENTS REFERENCING ITEM NUMBER:

* Revised Survey will be required on completion
of Pool Permit - owner notified

RECOMMENDATIONS:

☐ TEMP. C.O.

☒ FINAL C.O.

☐ DETAILED REINSPECTION

☐ HOLD INSPECTION UNTIL LOT ELEVATION FIELD VERIFIED

PLANNING BOARD ENGINEER

MUNICIPAL ENGINEER

I _____, Authorized representative of
_____, hereby acknowledge the
above deficiencies, and further realize that the Certificate of Occupancy will be conditioned upon the acceptable resolution
thereof within _____ days of the issuance of Certificate of Occupancy.



CONSTRUCTION PERMIT

Date Issued 5/6/16
Control # C-16-000747
Permit # 16-1481

IDENTIFICATION Block: 89.01 Lot: 40 Qualifier _____
Work Site Location: 27 BROWER DR. Brick Township, NJ Contractor PARADISE POOL AND SPAS, NJ
Address 515 BRICK BLVD BRICK NJ 08723
Owner in Fee NATALE, DION Telephone: (732) 920-7727
2378 WALDHEIM AVE SCOTCH PLAINS NJ Lic. No. or Bldrs. Reg. No. 13VH04360900 13VH04360900
07076 Federal Employee No. 28-177328-3
Telephone: _____

Is hereby granted permission to perform the following work:

- | | | |
|--|--|--|
| ☒ BUILDING | ☒ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☒ ELECTRICAL | ☐ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter 8 only) | ☐ OTHER |

DESCRIPTION OF WORK:

INGROUND SWIMMING POOL

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.
Estimated Cost of Work \$32,075

C. Neumann Jr.
Construction Official

Date 4/26/16

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$250
Electrical	\$225
Plumbing	\$180
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$61
CO Fee	
Other	\$150
Total	\$866
Check No. <u>3553</u>	<u>130</u>
Cash <u>*896</u>	\$0
Credit	\$0
Collected By <u>Maft Tugan</u>	

REQUIRED INSPECTIONS

05/06/16 11:03AM 001558H0194

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☒ Required inspections for all subcodes for one- and two-family dwellings are as follows:

- The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
- Foundations and all walls up to grade level prior to back filling.
- All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
- Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

TOWNSHIP OF BRICK

ADDRESS: 27 Brewer Dr.

CONSTRUCTION PERMIT FEES:

BUILDING \$ 250.-

ELECTRIC \$ 225.-

PLUMBING \$ 180.-

FIRE \$ _____

STATE PERMIT FEE \$ _____

CERTIFICATE OF OCCUPANCY \$ 61.-

PROTOTYPE PROCESSING
(LESS 25%) \$ _____

STATE PLAN REVIEW (LESS
25%) \$ _____

SUBTOTAL \$ 716.-

PRIOR APPROVAL FEES:

ZONING \$ 30.-

ENGINEERING \$ 150.-

SUBTOTAL \$ 180.-

TOTAL PERMIT FEE: \$ 896.-

PLEASE NOTE PAYMENT FOR PERMITS AND AFFORDABLE HOUSING ARE SEPARATE.

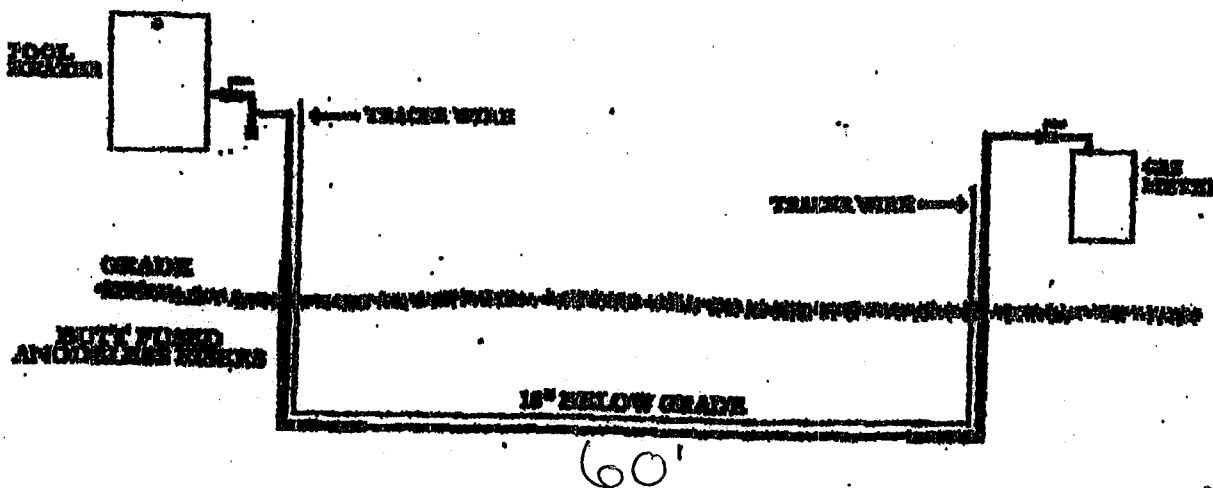
AFFORDABLE HOUSING FEES:

PRELIMINARY \$ 55.00

CALLER'S NAME _____ DATE _____

SPOKE TO _____ (HOMEOWNER/CONTRACTOR)

Name: Dion Natale
Address: 27 Brower Dr Brick 08723
Block: 89.01
Lot: 40
Permit #: _____



Input BTU: 300 KBtu
Length of Run: 60'
Size of Pipe: 1 1/4
Type of Pipe: Iron Pipe
Sand in Trench: _____

PLUMBING
MAR 03 2016
APPROVED

RECEIVING CLERK
DATE REC'D 2-23-16

ZONING PERMIT APPLICATION

PERMIT # 213-116-006516
DATE ISSUED 5/16/16

BLOCK: 89.01 LOT: 40 QUALIFIER: _____ SITE ADDRESS: 87 Brower Dr Brick

IDENTIFICATION:

1. NAME OF OWNER IN FEE: Dion Natale

COMPLETE ADDRESS: 87 Brower Dr
Brick 08123

PHONE: _____ EMAIL: _____

2. NAME OF APPLICANT: Paradise Pools and Spas NJ

APPLICANT ADDRESS: 515 Brick Blvd
Brick 08123

PHONE # (132) 930-7727 EMAIL: paradisepoolsandspasnj@yahoo.com

3. RESPONSIBLE PERSON FOR WORK: Paradise Pools and Spas
PHONE # 132-930-7727 FAX # 132-930-3857

4. SIGNATURE OF APPLICANT: _____

FOR OFFICE USE ONLY

FEE SUMMARY:

APPLICATION FEE: \$ 301

OTHER: \$ _____

TOTAL: \$ 301

REQUIRED BY APPLICANT

RESIDENTIAL: ☒

COMMERCIAL: ☐

EXISTING USE: SF12

PROPOSED USE: SF12

BOARD APPROVAL: _____ PB _____ ZB _____

RESOLUTION #: _____

APPROVAL DATE: _____

PROJECT DESCRIPTION: (PLEASE CHECK APPLICABLE WORK & DESCRIBE)

*NEW BUILDING: _____ *ADDITION _____ *ALTERATION _____ *PORCH _____ *DECK _____

POOL: ABOVE GROUND _____ IN GROUND ☒ FENCE: HEIGHT _____ TYPE _____ MATERIAL _____

HEIGHT: _____ (*IF APPLICABLE)

OTHER _____

DESCRIPTION: 16x32 Freeform inground Pool with heater & lights, dug

ZONING REVIEW:

DATE REVIEWED: 2-23-16 DATE DENIED: _____ DATE APPROVED: 2-23-16 INTLS: 2 (SEE BACK PAGE)

RECEIVED
FEB 24 2016
ZONING

FEB 24 2016

~~ZONING~~

22

DATE REVIEWED: 2/21/16 DATE DENIED: — DATE APPROVED: 2/21/16 INTLS: SCZ

DATE REVIEWED: 2/27/16

-DATE DENIED:

DATE APPROVED: 8/28/14

INTLS: 25

INITIALS:

2/29/16	NEW TO CAS
---------	------------

22/05/2018



Brick Township
401 Chambers Bridge Rd.

Brick, NJ 08723
(732) 262-1336

Date Issued:

Application Number:

Application Date:

Project Number:

Permit Number:

Fee:

5/6/16

ZA-16-00247

02/23/2016

ZP-1620656

\$30

Zoning Permit

Worksite: **27 BROWER DR.**
Location: **Brick Township, NJ 08723**

Block: **89.01**

Lot: **40**

Qualifier:

Zone: **R-5**

Owner: **NATALE, DION**
Address: **2378 WALDHEIM AVE**
SCOTCH PLAINS, NJ 07076

Applicant: **PARADISE POOL AND SPAS, NJ**
Address: **515 Brick Blvd**
Brick, NJ 08723

Application Approved Date: 02/23/2016

This Certifies that an application for the issuance of a Zoning Permit has been examined.

Use is: Single-Family Residential

Nonconforming Use is: _____

Work Description:

Inground Pool - Installation of a 16' X 32' inground swimming pool.

The pool and equipment must be minimum 20' from the front property line, 5' from the side, and 15' from the rear bulkhead.

Additional Zoning permit is required for additional work.

Upon review it was determined that the Zoning Permit:

- ☒ Permitted by Ordinance
- ☐ Permitted by Variance approved on: _____
- ☐ Valid Nonconforming Use is established by
 - ☐ Zoning Board of Adjustment
 - ☐ Zoning Officer

Christopher J. Romano, Assistant Zoning Officer

02/24/2016

Date

Sean Kinnevy, Zoning Officer

2/24/16

Date

ENGINEERING PERMIT APPLICATION

RECEIVING CLERK: CU
PERMIT #: PR-16-00014

BLOCK: 89.01 LOT: 40 ADDRESS: 27 Brower Dr Brick

IDENTIFICATION:

1. WORK SITE ADDRESS: 27 Brower Dr Brick

2. NAME OF OWNER IN FEE: Dion Nataly

ADDRESS: 27 Brower Dr PHONE # [REDACTED]

Brick 08123 FAX #: ()

3. PRINCIPAL CONTRACTOR: Paradise Pools and Spas NJ

ADDRESS: 515 Brick Blvd PHONE #: 732-920-7727

Brick 08123 FAX #: 732-920-2257

4. ARCHITECT OR ENGINEER: Midstate Engineering

ADDRESS: 30 Walnut Hill Lane PHONE: # 732-308-4226

5. RESPONSIBLE PERSON FOR WORK: Paradise Pools and Spas NJ

ADDRESS: 515 Brick Blvd Brick 08123

PHONE #: 732-920-7727 FAX #: 732-920-2257 E-MAIL: spasnj@yahoo.com

PROJECT DESCRIPTION:

☐ GRADING/CLEARING ☐ ROAD OPENING

☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☐ POOL

☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL

☐ OTHER _____

LENGTH: _____ WIDTH: _____ HEIGHT: _____

ENGINEERING REVIEW:

FEE SUMMARY:

APPLICATION FEE: \$ 1500

REVIEW FEE: \$ _____

INSPECTION FEE: \$ _____

OTHER: \$ _____

BOND(S): \$ _____

TOTAL: \$ 1500

SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: _____

DRAINAGE EASEMENTS: _____

UTILITY EASEMENTS: _____

CONSERVATION EASEMENTS: _____

FEMA REQUIREMENTS: _____

D.E.P. PERMITS: _____

BOARD APPROVAL: ☐ PB ☐ ZB

APPLICATION NUMBER: _____

APPROVED DATE: _____

DATE RECEIVED: 2/21/16 DATE REJECTED: _____ DATE APPROVED: 2/24/16 INITIALS: KSS

FLOOD ZONE PF-IRM AE-8.0

ENGINEERING PERMIT APPLICATION

RECEIVING CLERK: AKH
PERMIT #: 6CP-16-00350

BLOCK: # 89.01 LOT: 40 ADDRESS: 27 Brower DR

IDENTIFICATION:

1. WORK SITE ADDRESS: 27 Brower DR

2. NAME OF OWNER IN FEE: Dior WAT
ADDRESS: 2378 W/1/DHeim PHONE: [REDACTED]
Scott Plans FAX #: ()

3. PRINCIPAL CONTRACTOR: Self
ADDRESS: 2378 W/1/DHeim PHONE: [REDACTED]
2378 W/1/DHeim FAX #: ()

4. ARCHITECT OR ENGINEER: _____
ADDRESS: _____ PHONE: # () _____

5. RESPONSIBLE PERSON FOR WORK: Dior WAT
ADDRESS: 2378 W/1/DHeim
PHONE # [REDACTED] E-MAIL: _____

PROJECT DESCRIPTION: ☒ GRADING/CLEARING ☐ ROAD OPENING
☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☐ POOL
☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL
☐ OTHER Stamped Concrete Patio
LENGTH: _____ WIDTH: _____ HEIGHT: _____

ENGINEERING REVIEW:

DATE RECEIVED: 7/1/16 DATE REJECTED: _____ DATE APPROVED: 7/1/16 INITIALS: AKH

FEE SUMMARY:

APPLICATION FEE: \$ 4100.00

REVIEW FEE: \$ _____

INSPECTION FEE: \$ _____

OTHER: \$ _____

BOND(S): \$ _____

TOTAL: \$ 4100

SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: _____

DRAINAGE EASEMENTS: _____

UTILITY EASEMENTS: _____

CONSERVATION EASEMENTS: _____

FEMA REQUIREMENTS: _____

D.E.P. PERMITS: _____

BOARD APPROVAL: ☐ PB

APPLICATION NUMBER: CUK#275

APPROVED DATE: _____

THANK YOU

BRICK TOWNSHIP
COMMUNITY DEVELOPMENT

07/01/2016 00:00:01
#1630 7:59AM ENGINEER001
CLEARING/GRADING \$100.00
CHECK1 \$100.00

TOWNSHIP OF BRICK
OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

John G. Ducey, Mayor

Township Council:

Paul Mummolo - President
Heather deJong - Vice
President
Jim Fozman
Susan Lydecker
Bob Moore
Marianna Pontoriero
Andrea Zapcic



Division of Engineering

Elissa C. Commins, PE, PP, CME, CPWM, CFM
Township Engineer & Floodplain Manager
Ecommins@twb.brick.nj.us

732-262-1040
Fax: 732-262-2941
www.twb.brick.nj.us

Date: _____

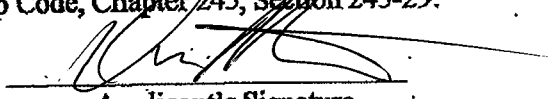
**ENGINEERING
PLOT PLAN EXEMPT FORM
(ONLY IF NOT IN A FLOOD ZONE)**

Block: 89.01 Lot: 40

Property Address: 27 Brower Dr Brick

I, Dion Natale of 27 Brower Drive Brick
(name) (address)

request to be exempt from the plot plan requirement for an addition, fence, shed, deck,
pool, retaining wall, etc. as outlined in the Township Code, Chapter 245, Section 245-29.


Applicant's Signature

The following shall be submitted with this request:

1. Submit surveys locating existing dwelling and proposed addition. Dimensions of the addition should be included.
2. Proof that the property is not located in a Flood Hazard Area.

Note: Prior to approval a site inspection by the Engineering Department will be performed to verify that the proposed addition will not create a drainage problem.

FOR OFFICE USE ONLY

Approved on: 2/27/16 Signed: KSS

Rejected on: _____ Signed: _____

Comments: Flood Zone PFIRM AE-8.0





Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1030

Subcode Official Review

Date: Monday, April 04, 2016

To: NATALE, DION
2378 WALDHEIM AVE
SCOTCH PLAINS, NJ 07076

RE: Building Subcode
Block: 89.01 Lot: 40 Qual:
27 BROWER DR.
Permit Number: Control Number: C-16-000747
Last Submit Date: Thursday, March 10, 2016

RESUBMIT

SUBCODES

DATES

KM

Bldg

4/25/16

Dear NATALE, DION,

Your request is hereby denied based upon the following infractions.

PLEASE PROVIDE FOR MINIMUM OF 5' BELOW THE LOWEST POINT OF EXCAVATION, IF POOR SOILS ARE FOUND, THEN AN ENGINEERING ANALYSIS AND DESIGN FOR SUPPORT WILL BE REQUIRED

Sincerely,

Peter McNamara, Subcode Official

CC:

* * * Communication Result Report (Apr. 4. 2016 10:31AM) * * *

1)
2)

Date/Time: Apr. 4. 2016 10:30AM

File	No. Mode	Destination	Pg(s)	Result	Page Not Sent
3504	Memory TX	917329202257	P. 2	OK	

Reason for error

M. 1) Hang up or line fail
 M. 3) No answer
 M. 5) Exceeded max. E-mail size

E. 2) Busy
 E. 4) No facsimile connection
 E. 6) Destination does not support IP-Fax



Brick Township
 401 Chambersbridge Rd
 Brick, NJ 08723
 (732) 262-1030

Subcode Official Review

Date: Monday, April 04, 2016

To: NATALE, DION
 2378 WALDHEIM AVE
 SCOTCH PLAINS, NJ 07076

RE: Building Subcode
 Block 85.01 Lot 40 Quat
 27 BROWER DR.
 Permit Number: Control Number: C-16-000747
 Last Submit Date: Thursday, March 10, 2016

Dear NATALE, DION,

Your request is hereby denied based upon the following infractions.

PLEASE PROVIDE FOR MINIMUM OF 5' BELOW THE LOWEST POINT OF EXCAVATION, IF POOR SOILS ARE FOUND, THEN AN ENGINEERING ANALYSIS AND DESIGN FOR SUPPORT WILL BE REQUIRED

Sincerely,

 Peter McNamara, Subcode Official

CC:

HOMEOWNER'S POOL CERTIFICATION

FENCE REQUIREMENTS:

Outdoor private swimming pool: An outdoor private swimming pool, includes an in-ground, above-ground or on-ground pool, hot tub or spa shall comply with the following.

1. The top of the barrier shall be at least 48 inches above finished ground level measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between finished ground level and the barrier shall be 2 inches measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above finished ground level, such as an above-ground pool, the barrier shall be at finished ground level, such as the pool structure, or shall be mounted on top of the pool structure. Where the barrier is mounted on the pool structure, the opening between the top surface of the pool frame and the bottom of the barrier shall not allow passage of a 4 inch diameter sphere.
2. Openings in the barrier shall not allow passage of a 4 inch diameter sphere.
3. Solid barriers shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches, the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 3/4 inches in width. Decorative cutouts shall not exceed 1 3/4 inches in width.
5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches or more, spacing between vertical members shall not exceed 4 inches. Decorative cutouts shall not exceed 1 3/4 inches in width.
6. Maximum mesh size for chain link fences shall be a 2 1/4 inch square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than 1 3/4 inches.
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall be not more than 1 3/4 inches.
8. Access gates shall comply with the requirements of items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outwards away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate: (a) the release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate and; (b) the gate and barrier shall not have an opening greater than 1/2 inch within 18 inches of the release mechanism.

BLOCK: 89.01 LOT: 40 ADDRESS: 27 Brower Dr Brick

In accordance with the NJAC 5:23-2.23, no pool shall be used in whole or in part until a Certificate of Approval has been issued by the Construction Official.

I certify that I am the owner of the above referenced pool being built. I further certify that the pool will not be used in whole or in part until a permanent fence is installed and a Certificate of Approval has been issued by the Construction Official.

I have read the fence requirements listed above and understand them.

Owner's Signature

Dion Natale

Print Name

Sworn and subscribed to before me on this 19th day of February 2016

Notary Signature

Barrier Exceptions: Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.



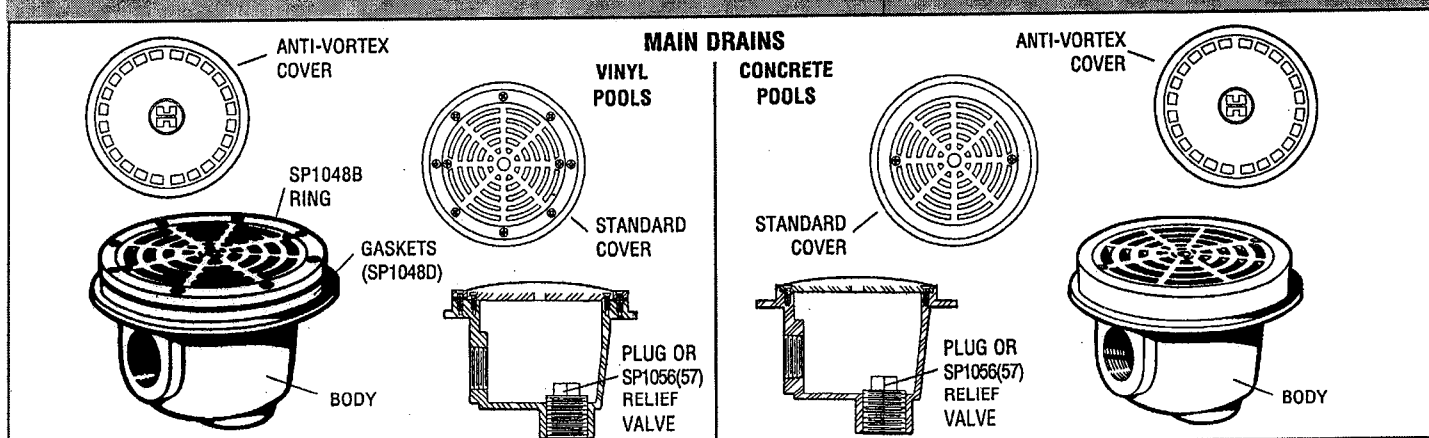
OWNER'S GUIDE

HAYWARD POOL PRODUCTS, INC.

900 FAIRMOUNT AVENUE, ELIZABETH, NEW JERSEY 07207 / Phone: (908) 351-5400

MAIN DRAINS

INSTRUCTIONS CONTAIN IMPORTANT SAFETY INFORMATION WHICH MUST BE FURNISHED TO THE ULTIMATE CONSUMER.



MODEL NUMBER	PIPE SIZE	DESCRIPTION	MODEL NUMBER	PIPE SIZE	DESCRIPTION
SP1048(AV)	1-1/2"	Heavy duty body, frame and grate (white), w/securing screws.	SP1051(AV)	1-1/2"	Heavy duty body and grate (white), w/securing screws. Bottom connection and plug.
SP1049(AV)	2"	Complete with gaskets and screws. 1-1/2" bottom connection and plug.	SP1052(AV)	2"	Same as above, except with 2" bottom connection and plug.
(AV) indicates use of an SP1048E anti-vortex cover (open area 7 sq. in.) The standard cover is Part No. SP1048C (open area 13 sq. in.) Not shown—SP1051X Adjustable collar for concrete pool drains. Cover Flow U.L. Ratings: SP1048C - 148 GPM; SP1048E - 108 GPM.			SP1053(AV)	1-1/2"	Same as above, except with 2" bottom connection and plug.
			SP1054(AV)	2"	Same as above, except with 2" bottom connection and plug.
			SP1153(AV)	1-1/2"	Deep body, anti-vortex plate and plaster collar.
			SP1154(AV)	2"	Deep body, anti-vortex plate and plaster collar.
			SP1155(AVS)	2" Skt.	2" bottom connection and plug.

HAYWARD RECOMMENDS THE USE OF ITS MAIN DRAIN ACCESSORY KIT SP1048RKIT TO REDUCE THE RISK OF ENTRAPMENT OR EVISCERATION.

SAFETY INSTRUCTIONS

Please read the following Important Safety Information.

- Never operate a pool without all main drain covers **SECURELY** in place.
- **FAILURE** to ensure main drain covers are **SECURELY** attached could result in **SERIOUS BODILY INJURY** or **DEATH**.
- Use **ONLY** the correct Hayward stainless steel screws to secure cover. If screws are lost, order replacements from your supplier.
- Building codes require **TWO** functioning pool drain/suction outlets. If existing installation has only one main drain/suction outlet, order and install a Hayward Main Drain Accessory Kit SP1048RKIT.

The pool shall not be operated if the suction outlet cover is missing, broken or secured in such a way that it can be removed without the use of tools.

If the suction outlet system, such as a filtration system, booster system, automatic cleaning system, solar system, etc., has a single suction outlet, or multiple suction outlets which can be isolated by valves, each suction outlet shall protect against bather entrapment by either:

- An antivortex cover,
- A twelve inch by twelve inch (12" x 12") or larger grate,
- Other means, (e.g. Hayward Main Drain Accessory Kit SP1048RKIT).

CAUTION: All drains must be installed according to applicable codes and standards in effect at time of installation.

The open area of the grate must be at least four (4) times the area of the pipe, or provide sufficient area so the maximum velocity of the water passing through the grate will not exceed two feet (2') per second. With anti-vortex type outlets, entrance velocities may be increased to six feet (6') per second.

INSTALLATION INSTRUCTIONS

Main Drains for vinyl liner and fiberglass pools are provided with an SP1048B mounting ring and two (2) gaskets. The gaskets should be placed on either side of the liner. The ring is held to the main drain body by eight (8) screws that pass through the liner. The cover is held to the body by two (2) screws. Tighten all screws securely.

Main Drains for concrete and gunite pools are designed to be plastered flush with edge of grate. Part No. SP1051X Adjustable Collar may be used.



Tested in accordance with
ASTM/ANSI Standard
A112.19.8M.



HAYWARD POOL PRODUCTS, INC.

Hayward Pool Products, Inc.
900 Fairmount Avenue
Elizabeth, NJ 07207

Hayward Pool Products, Inc.
2875 Pomona Boulevard
Pomona, CA 91768

Hayward Pool Products Canada
2880 Plymouth Drive
Oakville, Ontario L6H 5R4

Hayward S.A.
Zone Industrielle de Jumet
B - 6040 Charleroi (Belgium)



⚠ - WARNING - Read and follow all instructions in this owner's manual and on the equipment. Failure to follow instructions can cause severe injury and/or death.

IMPORTANT SAFETY INSTRUCTIONS



⚠ WARNING -- Suction Entrapment Hazard.

Suction in suction outlets and/or suction outlet covers which are, damaged, broken, cracked, missing, or unsecured can cause severe injury and/or death due to the following entrapment hazards:

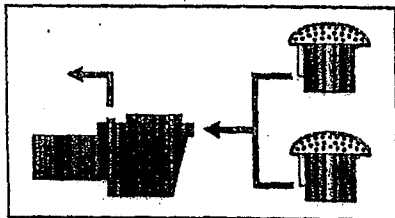
Hair Entrapment- Hair can become entangled in suction outlet cover.

Limb Entrapment- A limb inserted into an opening of a suction outlet sump or suction outlet cover that is damaged, broken, cracked, missing, or not securely attached can result in a mechanical bind or swelling of the limb.

Body Suction Entrapment- A negative pressure applied to a large portion of the body or limbs can result in an entrapment.

Evisceration/ Disembowelment Entrapment- A negative pressure applied directly to the intestines through an unprotected suction outlet sump or suction outlet cover which is, damaged, broken, cracked, missing, or unsecured can result in evisceration/ disembowelment entrapment.

Mechanical Entrapment- There is potential for jewelry, swimsuit, hair decorations, finger, toe or knuckle to be caught in an opening of a suction outlet cover resulting in mechanical entrapment.



To Reduce the risk of Entrapment Hazards:

- A minimum of two functioning suction outlets per pump must be installed. Suction outlets in the same plane (i.e. floor or wall), must be installed a minimum of three feet (3') [1 meter] apart, as measured from suction pipe center to suction pipe center. (See Diagram 1 below)
- Dual suction fittings shall be placed in such locations and distances to avoid "dual blockage" by a user.
- Dual suction fittings shall not be located on seating areas or on the backrest for such seating areas.
- The maximum system flow rate shall not exceed the flow rating of any listed (per ASME/ANSI A112.19.8M-1987, ASME A112.19.8-2007) suction outlet cover installed.
- Never use a Pool or Spa if any suction outlet component is damaged, broken, cracked, missing, or not securely attached.
- Replace damaged, broken, cracked, missing, or not securely attached suction outlet components immediately.
- Two or more suction outlets per pump should be installed in accordance with latest APSP Standards and CPSC guidelines, follow all National, State, and Local codes applicable.
- Installation of a vacuum release system, which relieves entrapping suction, is recommended.

USE ONLY HAYWARD GENUINE REPLACEMENT PARTS

DUAL SUCTION

⚠ WARNING — Failure to remove pressure test plugs and/or plugs used in winterization of the pool/spa from the suction outlets can result in an increase potential for suction entrapment as described above.

⚠ WARNING — Failure to keep suction outlet components clear of debris, such as leaves, dirt, hair, paper and other material can result in an increase potential for suction entrapment as described above.

⚠ WARNING — Suction outlet components have a finite life, the cover/grate should be inspected frequently and replaced at least every ten years or if found to be damaged, broken, cracked, missing, or not securely attached.

• **INSTALLATION INSTRUCTIONS:**

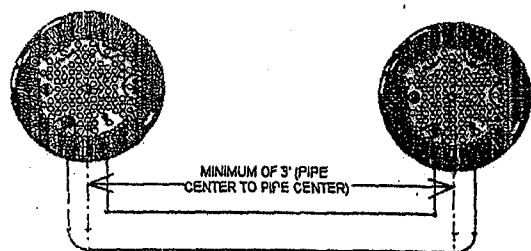
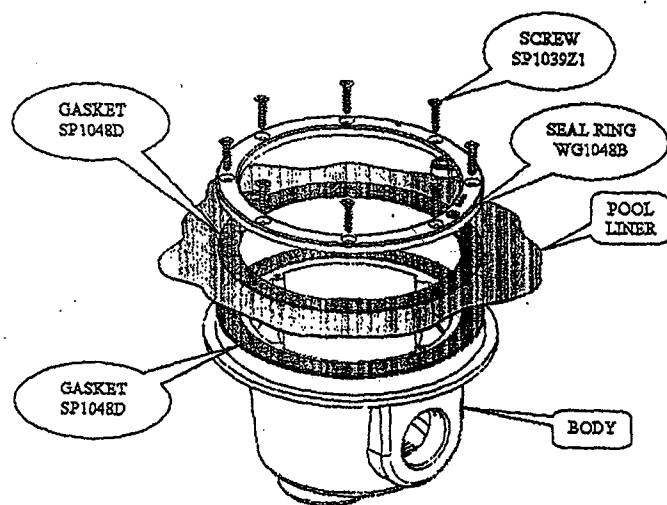


Diagram 1

NOTICE: When installing WG1030AVPAK2 refer to ASME A112.19.8-2007 for the proper instructions on how to construct the field-fabricated sump.

Suction outlets for a pool with a vinyl liner and for fiberglass pools are provided with a WG1048B mounting ring and two (2) gaskets. The gaskets should be placed such that they sandwich the liner or fiberglass, that is, one gasket on each side. The ring (WG1048B) is attached to the suction outlet by eight (8) screws that pass through both gaskets and the liner. See diagram below.



USE ONLY HAYWARD GENUINE REPLACEMENT PARTS

NOT AN
ELECTRICIAN'S
OR PLUMBER'S
LICENSE

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Division of Consumer Affairs

HAS REGISTERED

PARADISE POOLS & SPAS NJL LLC
Stephen Mikulak
335 Brick Blvd
Brick NJ 08723

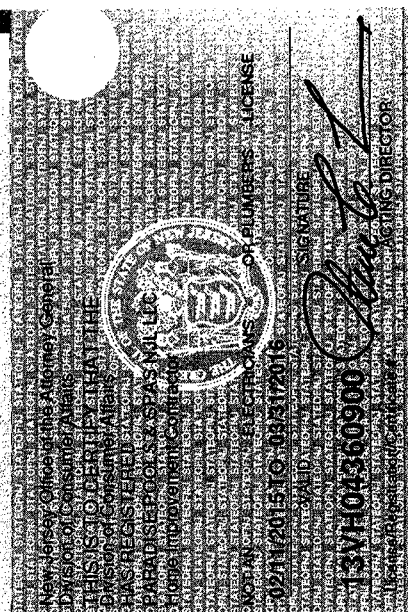
FOR PRACTICE IN NEW JERSEY AS A(N): Home Improvement Contractor

02/11/2015 TO 03/31/2016
VALID

13VH04360900
LICENSE/REGISTRATION/CERTIFICATION #

Michael L. ...
ACTING DIRECTOR

Signature of Licensee/Registrant/Certificate Holder



PLEASE DETACH HERE
IF YOUR LICENSE/REGISTRATION/
CERTIFICATE ID CARD IS LOST
PLEASE NOTIFY:
Division of Consumer Affairs
P.O. Box 46016
Newark, NJ 07101

PLEASE DETACH HERE

Plumbing Permit Application Checklist

Be aware that the storm has increased the departments' work-load. Please follow this checklist; it may help to get your permit quicker.

BLOCK: 89.01 Lot: 40 Address: 27 Brower Dr Date: _____

1. Complete the Plumbing Subcode Technical Section Form 130:

- | | |
|--|---|
| ☐ Section A. License Number | ☐ Address w/zip (P.O. Box NOT accepted) |
| ☐ Section B. Water and Sewer Size | ☐ Estimated Cost of Work |
| ☐ Section C. Signature and Seal | ☐ Expiration of License |
| ☐ Section D. Description of Work | ☐ QTY of Existing Fixtures and Equipment |

2. ☐ Apply for Electric and Fire Permit (if applicable)

3. ☐ Submit copy of Home Improvement Contractor Registration

4. ☐ Complete a Signed and Dated Chimney Verification Form 370

5. ☐ Submit TWO COPIES of *Isometric Plans* for : DWV _____ GAS _____

a. For GAS:

- i. Indicate location of meter and appliances (w/ BTU input)
- ii. Gas pipe material
 1. For schedule 40 steel pipe use International Fuel Gas Code Table 402.4(2)
 2. For CSST use Table 402.4(13)
 - a. Indicate CSST size in Equivalent Hydraulic Diameter (EHD)
 - b. Submit electrical permit application for bonding CSST

b. For DWV:

- i. Cleanouts at the base of stacks
- ii. Make, model and location of any Air Admittance Valves

c. For WATER:

- i. **Water Supply Fixture Units (new and existing) for new work, additions, etc.**
- ii. Indicate the size of water service from the curb to the meter

6. ☐ Submit Floor Plans Indicating Fixture Clearances (COMMERCIAL ONLY)

7. ☐ Submit Field Fabricated Fiber Glass Shower Pan Notice

Dion Natale
27 Brower Dr
Brick 08723

BLOCK: 89.01

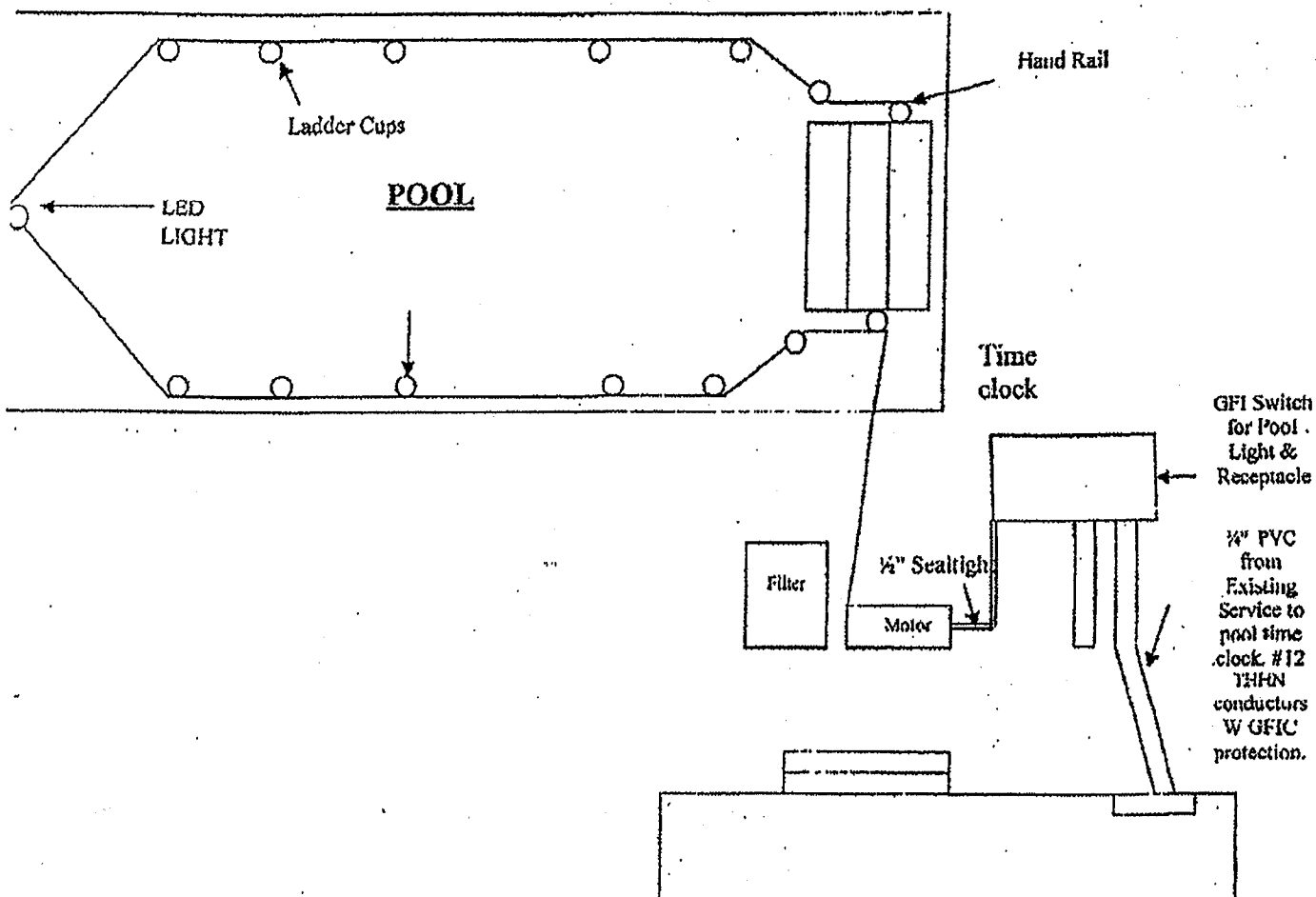
LOT: 40

ST: _____

ZIP: _____

NOTE

All conduits will be kept at a burial depth of 18 inches.
Minimum size wire pulled to all devices and
equipment shall be #12 THW, all installation and
wiring methods shall meet 2014 NEC.



TOWNSHIP OF BRICK

RELEASED FOR PERMIT

INITIAL

DATE

Building Subcode _____

Plumbing Subcode _____

Fire Subcode _____

Electrical Subcode _____

Plan Reviewer _____

Plans Released _____

Construction Official _____

ASC

3/7/16

FILE COPY

2) Installation.

(a) *Vertical Spacing.* The enclosure shall be located not less than 100 mm (4 in.), measured from the inside of the bottom of the box, above the ground level, or pool deck, or not less than 200 mm (8 in.) above the maximum pool water level, whichever provides the greater elevation.

(b) *Horizontal Spacing.* The enclosure shall be located not less than 1.2 m (4 ft) from the inside wall of the pool, unless separated from the pool by a solid fence, wall, or other permanent barrier.

(c) *Protection.* Junction boxes and enclosures mounted above the grade of the finished walkway around the pool shall not be located in the walkway unless afforded additional protection, such as by location under diving boards, adjacent to fixed structures, and the like.

(d) *Grounding Terminals.* Junction boxes, transformer and power supply enclosures, and ground-fault circuit interrupter enclosures connected to a conduit that extends directly to a forming shell or mounting bracket of a non-niche luminaire shall be provided with a number of grounding terminals that shall be no fewer than one more than the number of conduit entries.

(e) *Strain Relief.* The termination of a flexible cord of an underwater luminaire within a junction box, transformer or power supply enclosure, ground-fault circuit interrupter, or other enclosure shall be provided with a strain relief.

(f) *Grounding.* The equipment grounding conductor terminals of a junction box, transformer enclosure, or other enclosure in the supply circuit to a wet-niche or no-niche luminaire and the field-wiring chamber of a dry-niche luminaire shall be connected to the equipment grounding terminal of the panelboard. This terminal shall be directly connected to the panelboard enclosure.

680.25 Feeders. These provisions shall apply to any feeder on the supply side of panelboards supplying branch circuits for pool equipment covered in Part II of this article and on the load side of the service equipment or the source of a separately derived system.

(A) Wiring Methods.

~~Feeders shall be installed in rigid metal conduit or rigid nonmetallic conduit. The following wiring methods shall be permitted, but shall not be subject to physical damage:~~

~~1) Rigid metal conduit.~~

(5) ~~Electrical nonmetallic tubing where installed within a building.~~

(6) ~~Type MC cable where installed within a building and is not subject to corrosive environment.~~

Exception: An existing feeder between an existing remote panelboard and service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly that includes an equipment grounding conductor within its outer sheath. The equipment grounding conductor shall comply with 250.24(A)(5).

~~(2) Aluminum Conduit. Aluminum conduit shall not be permitted in the pool area where subject to corrosion.~~

(B) *Grounding.* An equipment grounding conductor shall be installed with the feeder conductors between the grounding terminal of the pool equipment panelboard and the grounding terminal of the applicable service equipment or source of a separately derived system. For other than (1) existing feeders covered in 680.25(A), exception, or (2) feeders to separate buildings that do not utilize an insulated equipment grounding conductor in accordance with 680.25(B)(2), this equipment grounding conductor shall be insulated.

(1) *Size.* This conductor shall be sized in accordance with 250.122 but not smaller than 12 AWG. On separately derived systems, this conductor shall be sized in accordance with 250.30(A)(8) but not smaller than 8 AWG.

(2) *Separate Buildings.* A feeder to a separate building or structure shall be permitted to supply swimming pool equipment branch circuits, or feeders supplying swimming pool equipment branch circuits, if the grounding arrangements in the separate building meet the requirements in 250.32(B). Where installed in other than existing feeders covered in 680.25(A), Exception, a separate equipment grounding conductor shall be an insulated conductor.

680.26 Equipotential Bonding.

(A) *Performance.* The equipotential bonding required by this section shall be installed to reduce voltage gradients in the pool area.

(B) *Bonded Parts.* The parts specified in 680.26(B)(1) through (B)(7) shall be bonded together using solid copper conductors, insulated covered, or bare, not smaller than 8 AWG or with rigid metal conduit of brass or other identified corrosion-resistant metal. Connections to bonded parts shall be made in accordance with 250.8. An 8 AWG or

NEC 2014

(1) **Conductive Pool Shells.** Bonding to conductive pool shells shall be provided as specified in 680.26(B)(1)(a) or (B)(1)(b). Poured concrete, pneumatically applied or sprayed concrete, and concrete block with painted or plastered coatings shall all be considered conductive materials due to water permeability and porosity. Vinyl liners and fiberglass composite shells shall be considered to be nonconductive materials.

(a) **Structural Reinforcing Steel.** Unencapsulated structural reinforcing steel shall be bonded together by steel tie wires or the equivalent. Where structural reinforcing steel is encapsulated in a nonconductive compound, a copper conductor grid shall be installed in accordance with 680.26(B)(1)(b).

(b) **Copper Conductor Grid.** A copper conductor grid shall be provided and shall comply with (b)(1) through (b)(4).

(1) Be constructed of minimum 8 AWG bare solid copper conductors bonded to each other at all points of crossing.

(2) [REDACTED]

(3) Be arranged in a 300-mm (12-in.) by 300-mm (12-in.) network of conductors in a uniformly spaced perpendicular grid pattern with a tolerance of 100 mm (4 in.).

(4) Be secured within or under the pool no more than 150 mm (6 in.) from the outer contour of the pool shell

(2) **Perimeter Surfaces.** The perimeter surface shall extend for 1 m (3 ft) horizontally beyond the inside walls of the pool and shall include unpaved surfaces, as well as poured concrete [REDACTED] and other types of paving. [REDACTED]

[REDACTED] Bonding to perimeter surfaces shall be provided as specified in 680.26(B)(2)(a) or (2)(b) and shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four (4) points uniformly spaced around the perimeter of the pool. For nonconductive pool shells, bonding at four points shall not be required.

(a) **Structural Reinforcing Steel.** Structural reinforcing steel shall be bonded in accordance with 680.26(B)(1)(a).

(b) **Alternate Means.** Where structural reinforcing steel is not available or is encapsulated in a nonconductive compound, a copper conductor(s) shall be utilized where the following requirements are met:

(1) At least one minimum 8 AWG bare solid copper conductor shall be provided.

(2) The conductors shall follow the contour of the perimeter surface.

(3) Only listed splices shall be permitted.

(4) The required conductor shall be 450 mm to 600 mm (18 in. to 24 in.) from the inside walls of the pool.

(5) The required conductor shall be secured within or under the perimeter surface 100 mm to 150 mm (4 in. to 6 in.) below the subgrade.

(3) **Metallic Components.** All metallic parts of the structure, including reinforcing metal not added after 680.26(B)(1)(a), shall be bonded. Where reinforcing steel is encapsulated with a nonconductive compound, the reinforcing steel shall not be required to be bonded.

(4) **Underwater Lighting.** All metal forming shells and mounting brackets of no-niche luminaires shall be bonded.

Exception: Listed low-voltage lighting systems with nonmetallic forming shells shall not require bonding.

(5) **Metal Fittings.** All metal fittings within or attached to the pool structure shall be bonded. Isolated parts, not over 100 mm (4 in.) in any dimension and that do not penetrate into the pool structure more than 25 mm (1 in.), shall not require bonding.

(6) **Electrical Equipment.** Metal parts of electrical equipment associated with the pool water circulating system, including pump motors and metal parts of equipment associated with pool covers, including electric motors, shall be bonded.

Exception: Metal parts of listed equipment incorporated in an approved system of double insulation shall not be bonded.

(a) **Double-Insulated Water Pump Motors.** When a double-insulated water pump motor is installed under the provisions of this rule, a solid 8 AWG copper conductor of sufficient length to make a bonding connection to a readily accessible point in the vicinity of the pool pump shall be extended from the bonding grid. Where there is no connection between the swimming pool bonding grid and the equipment grounding system for the premises, this bonding conductor shall be connected to the equipment grounding conductor of the motor circuit.

(b) **Pool Water Heaters.** For pool water heaters rated at more than 50 amperes and having specific instructions regarding bonding and grounding, only those parts designated to be bonded shall be bonded and only those designated to be grounded shall be grounded.

(7) **Fixed Metal Parts.** All fixed metal parts shall be bonded.

Exception No. 1: Those separated from the pool by a permanent barrier shall not be required to be bonded.

Exception No. 2: Those greater than 1.5 m (5 ft) horizontally of the inside walls of the pool shall not be required to be bonded.

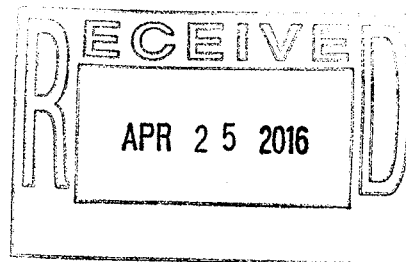
Exception No. 3: Those greater than 3.7 m (12 ft) measured vertically above the maximum water level of the pool or as measured vertically above any observation stands, towers, or platforms, or any diving structures, shall not be required to be bonded.

Midstate Engineering Inc

82 Walnut Hill Lane Freehold, New Jersey 07728 (732) 308-4226 fax (732) 308-4226

April 01, 2016

Construction Official
Township of Brick
401 Chambers Bridge Road
Brick, New Jersey 08723



8901
Re: Dion Natale Lot 40 Block X
27 Brower Drive
Brick Township, Monmouth County

FILE COPY

Dear Sir:

Per my client's request, I performed a soil evaluation logs using a hand twist auger and collected soil to perform two bearing tests for the above stated lot. With regards to the soils bearing, I performed the tests in the location of the "water side" of the dwelling, which was deemed visually to be locations of maximum bearing.

Based upon the tests performed, and the materials encountered, it is my opinion that the soil bearing capacity under the proposed dwelling addition is substantially below the required 2000 pounds per square foot as required by the IRC 2015 (International Residential Code 2015) bearing requirements for footing on this type of soil and specifically utilizes parameters in section 3109.

The soil encountered is a deep running poorly drained heavily organic loam,
00-18" yellow sandy loam to loamy sandy clay
18-48" yellowish brown poorly graded sands to poorly graded silts
48"-78" black organic loam, subangular, blocky, heavy odor with peat, very soft
78"-120" yellowish brown poorly graded sands and silts cemented in place.

It was in the 78 to 120 horizon (at a depth of 60 inches where the bottom of proposed pilings would exist), is where the samples were taken for the bearing analysis.

The first soil bearing analysis was collected at a depth of slightly more than 80 inches. The material was collected and returned to the laboratory for an analysis where a column of soil was loaded utilizing raw weights on 6 inch columns of soil following a 24 hour saturation to insure compaction in excess of 90% insitu. It was then determined that the 3 inch diameter soil column with the lesser strength being a semi supported column of soil (a semi rigid plastic mold with a tare strength of 25 psi) could withstand a loading of 101 lbs. Thus extrapolating the resultant bearing capacity of the soil was determined to be 2,058 pounds per square foot. The IRC 2015 requires a minimum bearing capacity of 2000 pounds per square foot, in order to bear a proposed dwelling load.

FILE COPY

Based on the required need, the tests have been performed and the material analyzed, and we believe the site can be made adequate for the proposed pool, by over digging the pool excavation to the top of the cemented silt and sand horizon (around 78 inches into the ground and backfilling with a controlled compacted material (common fill or angular stone). I believe that this should address your request for information. If you have any other questions or comments, please contact me.

Very truly yours,

A handwritten signature in cursive script, reading "Chester Di Lorenzo". The signature is written in dark ink and is positioned above a circular, textured stamp that is partially obscured by the signature and the typed name below.

Chester Di Lorenzo, PE & LS
License No. 28966