

May 11, 2015

Attention: Jie Gu, E.I.
DHH – Office of Public Health – Region IX
71128 Hwy 59, Suite 102 – B
Abita Springs, Louisiana 70402

Re: Springs at Fremaux Town Center
New Swimming Pool
➤ **1366 SQ. FT. Class C Swimming Pool**
Slidell, Louisiana
St. Tammany Parish

Dear Ms. Gu,

In reply to your correspondence of May 7, 2015 and in reference to the above captioned project, the following information is presented for your consideration. In reply to your specific comments:

- 1) *The reviewer could not locate the color information for pool floor. If this information is included in the plans, please direct to reviewer to the appropriate sheet/note. Additional comment may arise.*

The pool bottom, sides, stairs shall be light white in color and conform to Title 51, Part XXIV, Chapter 301 A. & B. The coating shall be approved for swimming pools and potable water applications. *Diamond Bright Plaster*

- 2) *On Sheet PL-1.0 Detail 02, the dimension of the air gap is not specified. LAC 51, Part XIV, § 805. A. requires a minimum of 2" or 2 pipe diameters whichever is greater. Please include the dimension of the air gap and resubmit plans.*

The air gap dimension for the backwash line from pool filter(s) shall be included on the diagram and modified to a minimum of 6". (See dimensioning inclusion on revised Detail 02 - Sheet PL-1.0.)

- 3) *According to the Model Aquatic Health Code (MAHC) 4.11.3.1, "The potable water supply serving an AQUATIC VENUE shall be protected against BACKFLOW consisting of either of the following:*

An acceptable air gap consisting of a vertical distance of not less than two pipe diameters of the water of the water supply pipe or six inches, whichever is greater, over the lowest free flowing discharge point of the receiving pipe, tank, or vessel. Splash guards that are open to the atmosphere may be used around the air gap or

Where permitted, an approved reduced pressure zone (PRZ) BACKFLOW preventer installed according to the plumbing Code and the AHH."

Drawing Detail 03 of Sheet PL-1.0 shows a 4" air gap which is less than the minimum 6" referenced above. Please revise and resubmit plans accordingly.

The air gap as depicted in Detail 03 - Sheet PL-1.0 shall be changed to 6" as per your request. (See dimensioning change on revised Detail 03 - Sheet PL-1.0.)

- 4) *LAC 51, Part XIV, §325. A. requires two means of entry/exit being ladders, stairs or recessed treads. The plans show stairs and two grab bars but no other details are provided showing that the two required means of entry/exit are provided. Please provide plan details of the pool entry/exit with sections and dimensions showing the required means of entry/exit. Additional comment may arise.*

Plans Sheet PL-1.0, Detail 01 (Pool Layout Plan) depicts a stair matrix in the lower left portion of the pool diagram. Across from the stair matrix on the opposite side of the pool, there exists two entry/exits areas as indicated by grab bars positions. These are areas where the access ladders are located as indicated on the diagram Sheet PL-1.0, Detail 01, Sheet PL-1-1, Detail 01, and Sheet PL 1.3, Detail 01 which have been labeled in bold lettering for convenient locating.

GENERAL NOTES on Plans Sheets PL-1.0, PL-1.1, PL 1.2, and PL-1.3, Note #12 indicates that "Ladders shall meet Code LSSC XXIV-329."

A detailed section of the pool exit/entry stairs has been added to Plans Sheet PL-1.0, Detail 05.

- 5) *Per LAC 51:XXIV.323.B, decks, ramps, coping and similar step surfaces shall be slip-resisting and easily cleanable. Additionally, per LAC 51: XXIV. 701.4, depth markers shall be slip-resisting. Please revise the notes to include a statement specifying slip-resistant surfaces and provide vendor documentation showing that the products specified meet the stated requirement.*

Decks, ramps, coping and similar step surfaces shall be slip-resisting and easily cleanable in accord with -LAC 51:XXIV.323.B. See GENERAL NOTES #16. Depth Markers shall be slip-resisting in accord with LAC 51:XXIV.701.4. Vendor documentation is provided with these plans.

- 6) *On Sheet PL-1.1 Detail 02 Contrasting Stair Nosing Tile, the part noted as "Pool Plaster Finish" on the top appears to be tile not plaster. Please review the detail and make changes as necessary for submittal and review.*

Diagram On Sheet PL-1.1 Detail 02 has been revised for accuracy.

- 7) *On Sheet PL-1.3 Detail 01, the plan appears to be the section of the pool; however, the name is depicted as "EQUIPMENT ROOM LAYOUT". Please clarify and make any changes as necessary for review.*

Sheet PL-1.3 Detail 01, "EQUIPMENT ROOM LAYOUT" has been retitled "TYPICAL POOL PROFILE" as per your request.

- 8) *The reviewer could not locate information specifying if all equipment in the plan meets NSF standards. Per LAC 51: XXIV. 501. D, where equipment sizing falls within the scope of National Sanitation Foundation (NSF), materials and equipment used in the circulation system of the swimming pool and spas shall comply with the appropriate requirements of NSF 50. Please verify that the equipment complies with the certification requirements and provide the manufacturer's product sheet bearing the certification statement.*

Attached are manufacturer's product sheets for the Filter Assembly, Valve, Pump, Chlorinator, and Piping. These product sheets can easily be downloaded from the World Wide Web.

- 9) *The plan did not specify if night activities are permitted. Per LAC 51: XXIV. 715. A, "Where night activities are permitted and underwater lighting is used, not less than 0.5 watts shall be provided per square foot of pool area. Area lighting shall be provided for the deck areas and directed toward the deck areas away from the pool surface insofar as practical. 0.6 watts per square foot of deck area shall be used." Please include the lighting details and resubmit plans accordingly*

As the Springs at Fremaux Project, which includes this proposed public pool is in its initial stages, it is unknown at this time if this multi-million dollar project shall have night-time activities around the pool area. This option shall be the choice of the owner and/or management. However, the pool will have adequate artificial lighting.

The pool will be outfitted with 4 – 300W Pentair (UL Listed) light fixtures. This will provide 0.87 Watts per square foot of pool, exceeding the 0.5 watts as designated by LAC 51: XXIV. 715. A .

- Add - deck lighting -

- 10) Please verify that lifesaving and emergency equipment will be provided in accordance with LAC 51:XXIV.703 and 733. Please revise and resubmit plans accordingly.

GENERAL NOTES on Plans Sheets PL-1.0, PL-1.1, PL 1.2, and PL-1.3, Note #14 indicates that “A 12 ft. strong pole with body hook – Throwing rope with buoy shall meet code XXIV -703 A1 & 2.”

Posted Names and Phone Numbers of nearest available police , fire, ambulance service and/or rescue unit, and/or 911 shall be conspicuously posted in the pool area. The posting shall be a minimum size of 8 ½” X 11” and protected from weather. A telephone shall be available. This in accord with LSSC XXIV -703 A3 & A2 . (see revised note #14, GENERAL NOTES)

- 11) *Per DHH Letter of Intent/Clarification-Sunning or Tanning Shelves for Public Pools, 6. “A permanent colored band of dark, contrasting and slip-resistant tile shall be installed at the intersection or edge of the pool wall (where it meets the minimum 3 feet deep shallow end of the pool) and the sunning or tanning shelf. Such contrasting tile must extend at least 2’ on both horizontal and vertical surfaces from the intersection or edge of where they meet”. The plan does not appear to include this detail. Please revise and resubmit accordingly.*

As the Tanning Shelf itself does not meet “the intersection or edge of the pool wall (where it meets the minimum 3 feet deep shallow end of the pool)” but is constructed as part of the ingress into the pool, It has been decided to put the non-slip contrasting tile along the entire first stair step edge. In addition, as note #2 in the October 19, 2009 correspondence “Re: Letter of Intent/ Clarification – Sunning or Tanning Shelves for Public Pools” indicates “Sunning or tanning shelves shall be constructed entirely outside of the normal location of the internal wall at the shallow end of a pool; however, the pool wall shall be extended to encompass the entire area of the sunning or tanning shelf. No extensions, of the leading edge of the sunning or tanning shelf, shall extend beyond the vertical plane of any portion of the pool wall.” This would indicate that a portion of the ingress cannot be part of the tanning ledge. So, to alleviate any concerns, an additional non-slip contrasting tile line shall be placed as indicated on plans sheet PL-1.0, Detail 05 . (See PL-1.0, Detail 05)

12) *Per DHH Letter of Intent/Clarification-Stunning or Tanning Shelves for Public Pools, 9. "A minimum of one skimmer per 200 square feet or any fraction thereof, of the stunning or tanning shelf surface area, shall be properly located, installed and connected with the pool's circulation system." Based on the dimension of the tanning ledge on Sheet PL-1.0 pool layout plan, more than 1 skimmer is needed. Please revise the plans and resubmit accordingly.*

An additional skimmer has been added to the Tanning Ledge. (See PL-1.0, Detail 05)

13) *Additional information is required to evaluate the tanning ledge. Please provide the operating water depth within all parts of the tanning area. Please provide a section through the tanning ledge to include the adjoining stairs. Additional comments may arise.*

(See PL-1.0, Detail 05)

Dammon Engineering hopes this reply will adequately address your concerns. Should you have any questions or if further information is required, please feel free to contact me.

Respectfully,

Brian A. Mistich, P.E.

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