

Miami Shores Village



Invitation to Bid No. 2018-Jan-01

“Aquatic Center Activity Pool Resurfacing”

Issued January 9, 2018

**Invitation to Bid Acceptance:
Tuesday, January 30th, 2018, 2:00 P.M.**

**Miami Shores Village Hall
10050 N.E. 2nd Avenue
Miami Shores, FL 33138**

MIAMI SHORES VILLAGE, FLORIDA

It is the intent of this Invitation to Bid to contract with a vendor for pool resurfacing services at the Miami Shores Village Aquatics Center Activity Pool per the specifications described herein.

A **MANDATORY** pre-bid site visit will be held at 10:00 AM on Tuesday, January 16, 2018 at the project site, 10200 Biscayne Boulevard, Miami Shores, FL 33138.

Miami Shores Village, Florida (the "Village") will receive sealed bids until 2:00 PM (local), January 30th, 2018, at Village Hall, 10050 N.E. 2nd Avenue, Miami Shores, FL 33138. Bids received after this time will not be accepted. Faxed or e-mailed proposals shall be rejected and will not be accepted. Bidders shall submit one (1) original bid proposal. In addition, Proposers must submit one (1) original copy of the Proposal on electronic media in printable Adobe or Microsoft Word format (or other format approved by the Village) with all required documentation as outlined herein.

Sealed bids will be opened on January 30th, 2018 at 2:00 PM in the **Miami Shores Village Council Chambers** at 10050 NE 2nd Avenue, Miami Shores, FL 33138.

In accordance with Chapters 119.071 and 286.0113, Florida Statutes, only the names of the responding firms and the respective bid amounts will be read at the time of opening. Pursuant to Florida Statutes, sealed bids, proposals, or replies received by an agency pursuant to a competitive solicitation are exempt from public inspection until such time as the agency provides notice of an intended decision or until thirty (30) days after opening the bids, proposals, or replies, whichever is earlier.

Insurance coverage is required for this project; please refer to the Special Provisions.

The Village's contact information for this RFP is:

Angela Dorney - Recreation Department
9617 Park Drive, Miami Shores, Florida 33138
Telephone: 305-758-8103
Email: Dorneya@msvfl.gov

Invitation to Bid documents may be obtained via the Internet at the Miami Shores Village website at www.miamishoresvillage.com. If you do not have internet access, you may obtain the documents by contacting the Village Clerk, Ysabely Rodriguez at 305-762-4870 or via email at RodriguezY@msvfl.gov.

The Village reserves the right to reject bids with or without cause and for any reason, to waive any irregularities or informalities, and to solicit and re-advertise for other bids. Incomplete or non-responsive bids may be rejected by the Village as non-responsive or irregular. The Village reserves the right to reject any bid for any reason, including, but without limitation, if the Bidder fails to submit any required documentation, if the Bidder is in arrears or in default upon any debt or contract to the Village or has failed to perform faithfully any previous contract with the Village or with other governmental jurisdictions. All information required by this Invitation to Bid must be supplied to constitute a bid.

Pursuant to County Code, public notice is hereby given that a "**Cone of Silence**" is imposed concerning the Miami Shores Village competitive purchasing process, which generally prohibits communications concerning the Bid from the time of advertisement of the Bid **until** such time as the Village Manager makes a written recommendation to the Village Council concerning the competitive purchase transaction. For more information on the "Cone of Silence," please contact the Communications Specialist, Elizabeth Keeley at keeleye@miamishoresvillage.com.



PURPOSE and SPECIFICATIONS

The purpose of the Invitation to Bid is to select a qualified professional firm to resurface the Miami Shores Village Aquatic Center Activity Pool. The Aquatic Center is located at 10200 Biscayne Boulevard, Miami Shores, FL 33138.

SPECIFICATIONS POOL RESURFACING

PRODUCT: Exposed Aggregate

POOL TO BE REFINISHED: Aquatic Center Activity Pool
10200 Biscayne Boulevard
Miami Shores, FL 33138

1.0 **GENERAL**

1.1 Description of Work:

Work to be performed by the contractor shall consist of furnishing all materials, labor, tools, equipment, and supervision for the preparation and application of Exposed Aggregate only.

1.1.1 The project is to be completed in 30 days, from the time you receive a “Notice to Proceed” or “Purchase Order” but no later than March 3, 2018.

1.1.2 The payment will be made in full, at the approved completion of the project. **No payments** will be made or issued to the contractor until the project is complete and has been signed off by the Village Manager or his designee.

1.1.3 All work hours are to be approved by an Aquatic Center Supervisor, and may be subject to change based on operational hours, programs and events.

1.2 Qualifications to be considered a Responsive Bidder:

1.2.1 The bidder must show proof of being in business a minimum of ten (10) years under the same corporate licensing.

1.2.2 The bidder must show proof of a minimum of three (3) resurfacing references performed within the last two (2) years, of equal or greater size. Must provide project name, address, telephone number, contact person and description of the work performed.

1.3 Permits and Fees:

The contractor shall obtain all permits and pay required fees to any governmental agency having jurisdiction over the work. Inspections required by local ordinances during the course of



construction shall be arranged by the contractor as required. On completion of the work, satisfactory evidence shall be furnished to the owner to show all work has been installed in accordance with the ordinances and the code requirements.

1.4 Inspection of Site:

1.4.1 A **MANDATORY** pre-bid site visit will be held at 10:00 AM on Tuesday, January 16, 2018 at the project site, 10200 Biscayne Boulevard, Miami Shores, FL 33138.

1.4.2 Should the contractor need to further acquaint himself with all site conditions after attending the pre-bid site visit, any vendor bidding on this project may physically inspect the aforementioned Aquatic Center activity pool to familiarize themselves with the job. Contact Eric Olsen or Kelly Fernandez at (305) 795-2241 for an appointment.

1.4.3 It is the sole responsibility of the bidder to visit, inspect, and verify dimensions and the extent of work required. This includes but is not limited to measuring the area to determine the actual quantity of materials to be supplied. Failure to inspect the site prior to bidding will not relieve the contractor of the responsibility of providing all the work and supplying the materials included in these specifications.

1.5 Protection of Existing Site Conditions:

The contractor shall take the necessary precautions to protect the site. Should damage be incurred, the contractor shall repair the damage to its original condition at his own expense.

1.6 Material/Work Not Conforming to the Contract Documents:

The owner reserves the right to reject material or work which does not conform to the contract documents. Rejected work shall be removed or corrected at the earliest possible time.

1.7 Site Cleanup:

The contractor shall maintain all working area free, at all times, of tools, materials, and/or equipment not essential to the progress of the work. Materials and equipment on the jobsite should be stored in a neat and orderly manner. Upon completion of the job, all debris created by the job shall be removed from the job site.

1.8 Final Inspection:

The contractor shall maintain all work in first class condition until it has been completed as a whole and has been accepted by the owner. The owner will make a semifinal inspection upon notice from the contractor of completion of the entire project. If, at the semifinal inspection, all construction provided for by the contract is found to be completed to the owner's satisfaction, such inspection shall constitute the final inspection. If, at the semifinal inspection, any work is found unsatisfactory, in whole or in part, the owner shall give the contractor the necessary instructions as to replacement and/or correction of such work, and another



inspection shall be made, which shall constitute the final inspection if the work is satisfactorily completed.

1.9 Final Acceptance:

Final acceptance of the work may be obtained from the owner upon the satisfactory completion of all work.

1.10 Materials:

All materials throughout the resurfacing project shall be new and in perfect condition. No deviations from the specifications shall be allowed unless approved by the owner. All materials should be used in accordance with manufacturer specifications and adhere to guideline set by Florida Department of Health.

2.0 **MATERIALS**

2.1 Description:

Exposed Aggregate is a form of decorative concrete achieved by removing the top layer of cement paste and revealing the underlying aggregate. The decorative aggregate now becomes a very durable, skid-resistant surface for the interior of swimming pools.

3.0 **SITE PREPARATION**

3.1 Protecting the Deck:

Surrounding deck areas will be protected in high-traffic areas with rubber mats and visqueen plastic as needed.

3.2 Protecting the Surface Returns & Gutter System:

Care should be taken to protect and maintain quality and function of existing stainless steel returns, gutters and grates.

4.0 **DRAINING THE POOL**

Draining of the pool will be executed under continuous supervision by authorized personnel provided by the contractor. Perimeter well points will be installed around the deep end perimeter prior to draining. Hydrostatic relief plugs will be removed and left open until completion of the project. Precautions should be taken to control ground water (temporary pumps may be installed to control ground water).



5.0 SURFACE PREPARATION

- 5.1** All substrates must be free of dirt, grease, oil, dust, chalking or shipping paint, or any foreign material that may prevent or inhibit proper bonding.
- 5.2** The pool surface will be checked for stability and sounded for any loose or delaminated pool finish. Any structural problems or imperfections found shall be the responsibility of the contractor to repair.
- 5.3** Existing tile must be undercut for proper seal of pool finish and even application of exposed aggregate applied.
- 5.4** Surface will be acid washed for proper etching and all acid residues removed with a 3,500 psi pressure washing. All acids will then be neutralized prior to disposal. The pool surface may be bleach washed and degreased with tri-sodium phosphate if necessary.
- 5.5** Voids where the existing finish has been removed and a single application of exposed aggregate finish will not bring the surface to a uniform plane, will be filled with additional applications to ensure a good workability. Before application of additional material, the surface to be patched will be maintained in a damp condition for several hours prior to application of the material to reduce suction and ensure good bond.
- 5.6** Inlets, Returns, Main Drains and Vacuum Covers
- 5.6.1 All plastic pool fixtures (to include main drain covers, return covers and vacuum line covers) should be replaced with new fixtures that meet current Florida Department of Health code requirements (VGBA).
- 5.6.2 The area around all fixtures is to be cut back (undercut to a 3/8" depth as well as light niches) and replaced to allow for new pool finish and to ensure a quality seal around the new fixtures. The main drain frame and grate will be installed as required to provide ¼" minimum ground for new exposed aggregate finish.
- 5.6.3 Existing stainless steel returns and gutters are not to be altered. Application of the new pool finish should be flush with the existing lower edge of the stainless steel gutter without restricting or altering the flow of surface returns.
- 5.7** Shell Cracks:
- 5.7.1 It shall be the responsibility of the contractor to fix any imperfections/cracks/damage to the pool shell. Cost for such repairs should be included in the contractor's bid for resurfacing.
- 5.7.2 Loose surface around cracks will be removed.
- 5.7.3 Cracks will be cut out or sawed to a depth of not less than ½". This cut out shall take the form of a raglet with parallel sides (not to be a vee-cut).



- 5.7.4 The raglet will be cleaned, completely free from dust, and a flexible sealant suitable for concrete repairs will be pressed into the raglet in strict accordance with the manufacturer's instructions. (a typical product would be Memeco's Vulkum Sealant No. 116)
- 5.7.5 Exposed aggregate will be applied directly over the repair work. Subsequent shifting or movement of the pool shell will most certainly cause the crack to recur in the newly applied exposed aggregate; however, flexible material used to repair the crack will preclude the danger of water loss by leakage.
- 5.7.6 Remove all existing material from the top horizontal portion of the first entrance step so that when the new exposed aggregate material is applied it is flush with the existing lower edge of the stainless steel gutter without impeding return flow.

5.8 Application of Dura-Bond Mechanical Bonding System:

- 5.8.1 A mechanical bonding system shall be applied to all existing pool surfaces before refinishing with exposed aggregate. The use of liquid binding agents will not meet mechanical bonding standards and, therefore, shall not be used.

5.9 Mixing:

- 5.9.1 Only potable water shall be used.
- 5.9.2 Uniformity from batch to batch is to be ensured by measuring water consistently from batch to batch and by mixing each batch the same amount of time.
- 5.9.3 Only enough water should be added to bring the material to a smooth lump-free consistency (as determined by the manufacturer).
- 5.9.4 The mixing process should start by adding 2/3 of the mixing water to the mixer. The appropriate amount of pool finish should be added and then the remaining 1/3 water should be added bringing the mixture to a workable consistency.

6.0 APPLICATION OF THE FINISHED PRODUCT

- 6.1 After exposed aggregate has been properly mixed, it may be trowel or spray applied over a dampened substrate. Recommended thickness is ¼" to 3/8".
- 6.2 Pool finishes are designed to be a monolithic coating. Sufficient personnel should be employed to eliminate cold joints. If the pool must be completed in phases, predetermined stopping points must be used, such as tile lane markers, etc.
- 6.3 Once the surface of the pool finish has set hard enough to allow light foot traffic, remove the "cream" or "fat" to expose the quartz aggregate by water washing with a soft bristle broom or soft sponge and water. The timing of the water wash can only be determined at the jobsite taking into consideration the factors of heat, humidity, and substrate suction.



- 6.4 After the finish has been water washed, the applicator may elect to clean the “haze” off the surface by washing with a 50/50 solution of muriatic acid and water. The experienced applicator will determine when an acid wash is needed.
- 6.5 It is acceptable to wait until the following day to acid wash, but the finish must be water washed the same day as application to ensure adequate quartz exposure.
- 6.6 If the entire finishing process is completed in one (1) day, fill the pool immediately. If you elect to leave the pool open until the next day to complete an acid wash, fill the pool immediately upon completion of the acid wash.
- 6.7 Exposed aggregate finish shall not be applied during rain and any material, which has been newly placed, shall be protected in the event of rain by canvas, plastic, or other film. All surfaces will be troweled to a smooth, dense hard finish including radii. Flat surfaces will be made “flat.” Material will be brought to level with large trowels during initial application.
- 6.8 No “sponging” of compound radii or steps will be done. Excess tempering of the finish for late troweling will be avoided. The finished surface shall be free of stains, discoloration from trowel burns, streaking, trowel marks, and cat faces before the pool is filled with water.

7.0 **FILLING THE POOL**

After the finish has achieved its initial set, the pool will be gradually filled with water. Care will be used so that fill water does not wash directly against any newly finished surface. The pool will be filled without interruption to help avoid dirt rings. It shall be the owner’s responsibility to provide suitable water for initial filling of the pool. ***Care must be taken that the water does not contain excessive amounts of iron, manganese, or other suspended metals, which may stain the newly applied finish.*** The contractor will provide a chelating chemical, which will be added to the water during the fill process to help avoid precipitation of solids, which may be present in the water.

8.0 **START-UP**

Upon fill-up and start-up of the filter system, pool water will be treated with metal sequestering agents and then balanced to National Spa and Pool Institute standards. Initial brushing and vacuuming of the pool will be performed by the contractor.

9.0 **STORAGE**

Inventory shall be turned regularly and kept dry. Bagged product shall be kept dry from all forms of moisture, both direct and indirect, to ensure for maximum product usage, uniformity, and productivity.



10.0 WARRANTY

10.1 The contractor shall provide to the owner a full five (5) year warranty on labor against failure caused by delamination, cracking, or spalling and a full five (5) year manufacturer's warranty on the material.

10.2 The effectiveness of this product depends upon its proper application and the condition and preparation of the surface to which it is applied.

10.3 Exposed aggregate should be applied over surfaces prepared as previously described.

11.0 MAINTENANCE

The long-term performance of exposed aggregate will be directly proportional to the care taken during the filling process, the first ninety (90) days of pool maintenance and routine consistent maintenance.

11.1 Start-up procedures should be followed as recommended by Pool Products used.

END OF SPECIFICATIONS

