1. **TECHNICAL SCOPE OF SERVICES:**

   1.1. The work will include but shall not be limited to all work done on any part of the pool, the pool filtration system and any auxiliary equipment, the spas, the pool deck, diving boards, slides, dive blocks, acid washing, whitecoat (plaster) application, hardware installation, power washing, removal and reinstallation of existing dive stands, and the installation of new dive stands. Much of work covered by this contract will be scheduled during the annual maintenance shutdown period for these facilities.

2. **SITE LOCATIONS:**

   2.1. Service shall be provided, but not limited, to the following FCPA aquatic facilities:

<table>
<thead>
<tr>
<th>Audrey Moore Rec Center</th>
<th>Oak Marr Rec Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>8100 Braddock Road</td>
<td>3200 Jermantown Road</td>
</tr>
<tr>
<td>Annandale, Virginia 22003</td>
<td>Oakton, Virginia 22124</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cub Run Rec Center</th>
<th>Providence Rec Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>4630 Stonecroft Blvd.</td>
<td>7525 Marc Drive</td>
</tr>
<tr>
<td>Chantilly, VA 20151</td>
<td>Falls Church, Virginia 22042</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>George Washington Rec Center</th>
<th>Lee District Rec Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>8426 Old Mount Vernon Road</td>
<td>6601 Telegraph Road</td>
</tr>
<tr>
<td>Alexandria, Virginia 22309</td>
<td>Franconia, Virginia 22310</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lake Fairfax Park</th>
<th>South Run Rec Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400 Lake Fairfax Drive</td>
<td>7550 Reservation Drive</td>
</tr>
<tr>
<td>Reston, Virginia 20190</td>
<td>Springfield, Virginia 22153</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Martin Luther King Jr. Pool</th>
<th>Spring Hill Rec Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>8115 Fordson Rd.</td>
<td>1239 Spring Hill Road</td>
</tr>
<tr>
<td>Alexandria, Virginia 22306</td>
<td>McLean, Virginia 22101</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mount Vernon Rec Center</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2017 Belle View Road</td>
<td></td>
</tr>
<tr>
<td>Alexandria, Virginia 22307</td>
<td></td>
</tr>
</tbody>
</table>

3. **GENERAL SITE INFORMATION:**

   3.1. **Audrey Rec Center:** main pool is 50 m. x 25 yd., has a surface area of 12,347 square feet, one 3m and two 1m diving boards, and a capacity of 500,000 gallons.

   3.2. **Cub Run Rec Center:** has an indoor 25 yd. x 25 yd. competitive pool with two one-meter Duraflex dive stands and boards. The competitive pool surface area is 6,493 square feet with a capacity of 409,000 gallons and a flow rate of 1362 gallons per minute. The spa has a surface area of 299 square feet, a capacity of 4,849 gallons, and a flow rate of 345 gallons per minute. A free-form leisure pool with two large slides, lazy river, vortex, and play features in the beach area. The leisure pool has a surface area of 4,711 square feet: a capacity of 92,100 gallons, and a flow rate 768 gallons per minute.

   3.3. **George Washington Rec Center:** has a pool and a spa. The pool is 25 m. x 25 yd. with a beach area. The pool surface area is 6,857 square feet and has a capacity of 361,941 gallons. The spa surface area is 80 square feet, and the capacity is 1,100 gallons.

   3.4. **Lake Fairfax Park:** main water feature is an irregular shaped free-form “lazy river” and activity pool with a beach area. The main attraction has a total surface area of 20,422 square feet and a capacity of 440,900 gallons. The children’s pool is 22 feet in diameter, covers 540 square feet and has a capacity of 4,000 gallons. The expansion section consists of two spray pads and three four story slides. Pad A is 2588 sq. ft. and 4488 gallons, Pad B is 5248 sq. ft. and 13955 gallons.
3.5. **Martin Luther King, Jr. Pool:** is 25 m. x 42 ft. The pool surface covers 3,510 square feet and has a capacity of 139,000 gallons. The wading pool is 20 ft. x 25 ft. covers 500 square feet and has a capacity of 3,510 gallons.

3.6. **Mount Vernon Rec Center:** main pool is 25 m. x 25 yd. with a ramp area and 6,175 square feet of surface area and has a capacity of 322,465 gallons. The spa has 70 square feet of surface area and a capacity of 1,900 gallons.

3.7. **Oak Marr Rec Center:** main pool is 75 m. x 25 yd. with a beach area. The pool surface area is 15,086 square feet and has a capacity of 754,084 gallons. The tile spa surface area is 210 square feet and has a capacity of 3,595 gallons.

3.8. **Providence Rec Center:** main pool is 25 m. x 25 yd. with a beach. The pool surface area is 7,641 square feet and the capacity is 335,160 gallons. The "lower spa" has 211 square feet of surface area and a capacity of 2,756 gallons. The "upper spa" has 82 square feet of surface area and a capacity of 1,036 gallons.

3.9. **Lee District Rec Center:** pool is 50 m. x 25 yd. with a ramp. The pool surface area is 12,540 square feet and has a capacity of 548,000 gallons. The spa has 378 sq ft surface and a volume of 6500 gallons. Lee District has a spray ground with a wet deck surface area of 6673 sq ft and a holding tank of 7076 gallons.

3.10. **South Run Rec Center:** pool is 25 yd. x 25 yd. with a beach area. The pool surface area is 7,557 square feet and has a capacity of 360,000 gallons. The tile spa surface area is 284 square feet and has a capacity of 4,125 gallons.

3.11. **Spring Hill Rec Center:** main pool is 25 m. x 25 yd. with a beach area. The pool surface area is 7,435 square feet and has a capacity of 386,655 gallons. The spa has 115 square feet of surface area and a capacity of 1,974 gallons.

4. **CONTRACTOR REQUIREMENTS:**

4.1. All work is to be performed between 8:00 a.m. and 6:00 p.m., Monday to Friday.

4.2. Contractor shall observe and follow all applicable O.S.H.A. safety regulations.

4.3. Contractor must provide Contract/Project Manager with appropriate Material Safety Data Sheets for all hazardous products used in this project. No hazardous materials will be used without written approval from the Contract/Project Manager.

4.4. The Contractor is responsible for any hazardous waste resulting from repairs and proper handling, removal, and/or disposal of hazardous material used at the site.

4.5. All permits, inspections and County review fees for the project are the responsibility of the Contractor.

4.6. The Contractor shall submit written estimates for all work, having written authorization from the Contract/Project Manager for any change in ordered work.

4.7. The Contractor shall be responsible for repairs to any damage resulting from Contractor’s work.

4.8. The Contractor shall, at all times, keep the premises and adjacent areas free from accumulations of waste material or rubbish. At the completion of the work, the Contractor shall remove all rubbish, tools, equipment used, and any surplus materials. The Contractor shall leave the area “broom cleaned” and ready to use.
4.9. The Contractor shall inspect the facility prior to beginning work and report in writing any discrepancies or unsatisfactory conditions to the Project Manager.

4.10. Contractor will be responsible for the delivery, protection, handling, and safe storage of all materials. The Contractor shall keep all construction-related equipment secured or in-place, as designated by a County project manager or FCPA staff. Contractor shall coordinate for County project manager or FCPA staff approval the on-site storage areas for materials, dumpster(s), and equipment prior to the commencement of any work. Materials shall not be delivered or installed until all preparation is completed in the area of installation.

4.11. The Contractor’s representative/superintendent for each project must be conversant in the English language and present on-site whenever work is performed.

4.12. At the conclusion of site work, the Contractor representative and the FCPA Project Manager shall meet on-site to review the project for contract compliance to the satisfaction of both parties in order for the County to authorize payment for services. Authorization shall mean acceptance, by signature, of both parties in writing. A copy of the acceptance must be attached to the final invoice for that particular project.

4.13. Project Managers shall be designated as each project is identified.

5. **SAFETY:**

5.1. Precautions will include, but are not limited to, barricade fencing to prevent patrons from entering the work area and dumpster(s) and to prevent debris from exiting the work site. Debris should be collected and secured on a daily basis. Tasks associated with this contract necessitate the use of abrasive and caustic chemicals, so the Contractor shall provide sufficient safety measures in order to ensure employee, County, and public safety. These measures shall include, but not be limited to, restricting access to work areas during application of chemicals, added power ventilation, insulation of covers for hardware/equipment, etc.

5.2. Fairfax County Park Authority (FCPA) and other County agencies will make every effort to coordinate the schedule of activities in the pool area. Prior to commencement of any work, the Contractor is required to submit a detailed work plan indicating major activities and related schedules for the review, approval, and coordination with the County.

NOTE: Other Contractors and staff may be performing work in the area surrounding this Contractor’s designated workspace. The vendor will be expected to continue work without interruption in these instances.

6. **WARRANTY:**

6.1. Materials must be warranted per all manufacturers’ warranties. Workmanship must be warranted for a period of one year, unless stated otherwise herein, from the date of final payment. All warranties shall be in writing, submitted with the Contractor’s quote.

7. **ACID WASHING:**

7.1. Preparation:
   a. FCPA and other County staff will locate, inspect, and monitor the discharge site before and during disposal to ensure that water is discharged in a manner consistent with County code. Wastewater shall not have chlorine residual and the pH of the water must be neutralized to 7.0.
   b. FCPA and other County staff shall drain the main pool to the level of the break in the dive well, and then turn over responsibility to the Contractor. If the project scope includes wading or other pools, then County staff shall also drain until empty before giving responsibility to the Contractor.
c. Contractor shall inspect and monitor the discharge site before and during disposal to ensure wastewater is discharged in a manner consistent with County code.
d. The Contractor shall complete draining and ensure that hydrostatic pressure under the pool is relieved. As soon as the water level in the pool permits, the Contractor shall remove the hydrostatic plug. Once the main drains are accessible, the Contractor will discard existing hydrostatic valves and replace with new units. Hydrostatic valves should be tested for proper operation, and the Project Manager should be notified immediately if there are any problems with the valves or with the relief of hydrostatic pressure.
e. Pools equipped with bulkheads require special planning and precautions. Contractor shall discuss procedures and receive written approval from the Project Manager prior to commencing any activity within pools equipped with these movable bulkheads.
f. The Contractor shall remove and install pool ladders and railings, as required, during the process in order to exercise the care to ensure that all components remain secure when put back into place.
g. The pool interior will be inspected for damage to the white coat, tile, expansion joints, etc. If damage is found, the Contractor shall consult with and obtain written acknowledgement from the Project Manager. Only after written authorization and approval from the County, along with the submission of documentation, shall the Contractor proceed with the repair. The acid wash price shall include repair of plaster (unbonded) up to 50 square feet.
h. All stainless-steel components, i.e. gutters, rails, ladders, underwater lights, etc. shall be protected in a manner to prevent damage or discoloration from the acid wash. When acid contacts stainless steel, the stainless steel must be cleaned immediately after those contacts.
i. The Contractor is responsible for providing any safety equipment or personal protective equipment (PPE) required for these procedures.

7.2. Application:

a. The acid washing shall be performed with muriatic acid diluted to a concentration, not-to-exceed a one-part acid to three-parts water ratio, unless stipulated otherwise by the Project Manager in special circumstances. The muriatic acid is applied to the interior walls and pool bottom to remove stains. Acid application will be promptly rinsed with clear, fresh water to prevent excessive deterioration or channeling of the white coat.
b. Wastewater from acid washing must be neutralized (pH 7.0) with soda ash or another appropriate base to render the water non-corrosive and environmentally safe. The Contractor shall verify the water’s pH using FCPA testing equipment. Test results shall be accompanied with the date and time noted. FCPA will verify the Contractor’s readings by testing the water’s pH, and by documenting the results in the Pool Operator’s Log.
c. The Contractor shall inspect and monitor the wastewater discharge site and stream bed before and during disposal to ensure that wastewater is being discharged in a manner consistent with County codes. The Contractor is responsible for the safe discharge of wastewater during the cleaning process.
d. The neutralized water will be discharged to a location specified by the Project Manager. Upon completion of the acid wash and final discharge of wastewater, the pool will receive a final rinse with fresh water to remove all acid from the pool.
e. The Contractor shall provide the FCPA a list of companies that can be contacted in the event of a hazardous materials violation. The Contractor shall be responsible for any and all costs related to clean-up activities resulting from not properly neutralizing the pool water and monitoring the discharge site.
f. After the final rinse, the protective coverings placed on stainless steel components, shall be removed. The hydrostatic plug shall be replaced and the drain pits, as well as the hydrostatic valves, are to be thoroughly cleaned of debris and the hydrostatic valves are to be rechecked to ensure no leaks as the pool is refilled.
g. After the contractor has finished the project, the Project Manager shall arrange for the testing of the electrical bonding of any fixtures that may have been disturbed by contractor activity. (All work must meet Article 680 of the NEC).
TECHNICAL SPECIFICATIONS

h. The Project Manager shall examine the natatorium areas impacted by contractor activity before approving the filling of the pool by FCPA staff.

8. BLEACH POOL INTERIOR:

8.1. Application:
   a. Prior to application of bleach, the contractor shall perform an acid wash procedure as described in preceding section. After the acid wash and freshwater rinse, apply a film of sodium hypochlorite in a concentration of 10 – 15 % to the pool interior walls and floor (FCPA will supply the sodium hypochlorite). Allow the chemical to remain overnight and the following day, rinse the pool with fresh water, neutralize the chlorine with sodium thiosulfate and discharge to waste.

8.2. Scale Sanding:
   a. Use a heavy-duty industrial floor sander to lightly sand scale deposits, rough surfaces, and any pitted areas of the pool floor. The contractor shall be responsible for the repair or replacement of any tile or whitecoat damaged during sanding.
   b. After sanding, thoroughly rinse the pool, neutralize, and discharge wastewater. The Project Manager shall examine the natatorium areas impacted by contractor activity before approving the filling of the pool by FCPA staff.

9. WHITECOAT (PLASTER) APPLICATION:

9.1. Preparation:
   a. Pools equipped with bulkheads require special planning and precautions. Contractor shall discuss procedures and receive written approval from the Project Manager prior to commencing any activity within pools equipped with movable bulkheads.
   b. FCPA will locate, inspect, and monitor the discharge site before and during the disposal of wastewater to ensure water is discharged in a manner consistent with County code. Wastewater shall have no chlorine residual and the pH shall be neutralized to 7.0 ppm.
   c. FCPA staff shall drain the main pool to the level of the break in the dive well and then turn over responsibility to the contractor. If the project scope includes other pools, staff shall also drain these pools before giving responsibility to the contractor.
   d. Contractor shall inspect and monitor the discharge site to ensure wastewater is discharged in a manner consistent with County code. The contractor shall complete draining and ensure that hydrostatic pressure under the pool is relieved. As soon as the water level permits, the contractor shall remove the hydrostatic plug. Once the main drains are accessible the contractor will replace existing hydrostatic valves with new units. Hydrostatic valves shall be tested for proper operation and the Project Manager shall be notified immediately if there are problems with the hydrostatic valves or with relief of hydrostatic pressure.
   e. After testing of hydrostatic valves, inspect entire plaster surface (walls and floor) in all pools for hollow and cracked areas. Whitecoat application shall include the price of removal of up to 50 square feet of unbonded plaster. If additional unbonded plaster is found, the contractor shall prepare a written estimate of repair. No work shall proceed until the Project Manager concurs with the estimate and an order is either revised or issued by the Contractor.
   f. The Contractor shall remove, and re-install pool ladders and railings as required during the process, exercising care that all components when reinstalled are secured per the manufacturer’s specifications.
   g. Cut and chip existing whitecoat 1.5” (minimum) along the tile water line, around all interior fittings and within the basin of the pool. Such chipping shall taper out six (6) inches from fitting or fixture starting at 1/2” depth (at fitting) to zero depth six (6) inches out.
   h. Remove and replace expansion joint and caulk or grout per the project managers preference. It is the responsibility of the contractor to ensure that cure times are included in the project timeline and that all caulk cures fully.
TECHNICAL SPECIFICATIONS

i. If required in specific job scope, remove, and replace tile racing lanes and targets. Below water line tile depth markers must be removed and replaced as well.

j. All stainless-steel components, i.e., gutters, rails, ladders, underwater lights etc. shall be protected in a manner that prevents damage or discoloration from the acid wash. Acid contact with stainless steel must be cleaned immediately.

k. Caulk the seam under the stainless-steel gutter.

l. Prior to application of new plaster pressure wash the pool surface to remove body oil, suntan lotion, and any other debris to obtain a good clean surface. Upon completion of pressure cleaning, apply a Bond Coat bonding agent to surface.

m. Contaminated wastewater shall be properly neutralized prior to removal from the pool. The Contractor shall follow procedures outlined in Paragraphs 9.2, items b through e. of this section. Contractor shall supply all chemicals.

n. Repair of damages caused by contractor’s activity shall be at the contractor’s expense.

9.2. Scale Sanding:

a. Plaster shall be applied by experienced masonry/plasters. (See reference section).

b. Pool plaster mixture shall consist of 2 parts white (quartz or limestone) aggregate to one-part White Portland Cement (type 1 or 1A) that conforms to the Federal specification SS-C-192G.

c. An industrial bonding agent, approved by the Project Manager, must be utilized in the application of the plaster. Plaster shall be hand or machine applied and troweled to a smooth finish with special care exercised around lights and drains, in order to maintain functionality and normal maintenance activity. Plaster shall be applied to a thickness of at least 3/8" and no more than 1/2". Application of plaster shall include all non-tiled ramp or beach areas.

d. Tiled areas to be cleaned thoroughly after plaster application.

e. Contractor is responsible for cleaning any pool area that was impacted by activity associated with the plaster application.

f. After the Contractor has completed the project, the Project Manager shall arrange for testing of the electrical bonding of any fixtures that may have been disturbed by Contractor activity. (All work must meet Article 680 of the NEC).

9.3. Pool Filling:

a. Immediately following the plaster application, the Contractor shall be responsible for filling the pool in a manner that does not erode or damage the new surfaces. The Contractor shall maintain pool manufacturer recommended water balance for a minimum ten-day interval after pool is filled.

b. Staff will secure the equipment necessary to fill the pool using the fire hydrant closest to the building.

c. At the direction of the Contractor, FCPA staff shall start the filter system and perform necessary routine maintenance functions, i.e., brushing, backwash, etc.

d. Chemicals needed for water balance shall be provided by FCPA.

9.4. Miscellaneous:

a. Contractor shall provide the Project Manager with written instructions detailing the proper care and maintenance of the new pool plaster/whitecoat prior to filling.

b. A two-year written warranty on labor and materials is required.

10. HARDWARE INSTALLATION:

10.1. Anchor Sockets: Some acceptable products are:

a. KDI Paragon Model # A1231S, C1200A/B,C1200G,A3370;

b. Whitten #210 Anchor tubes, self-grounding St/Stl anchors for grab rails; and backstroke posts;

c. Paddock Pool Inc., Model # 4801,4815
10.2. Preparation:
   a. Installation of sockets for pool hardware i.e., railings, ladders, starting blocks, water, attractions, etc., shall be professional and utilize high quality fixtures and methods of fastening.

10.3. Installation:
   a. Remove existing tile and saw cut concrete around existing fixture. Remove debris and old anchor.
   b. After inspecting and/or replacing rebar material, set and bond anchor per NEC Article 680.
   c. Fill area with concrete, test fixture fit and replace tile.
   d. After the Contractor has completed the project, the Project Manager shall arrange for testing of the electrical bonding of any fixtures that may have been disturbed by Contractor activity. (All work must meet Article 680 of the NEC).

10.4. Floor and Wall Anchors: Lane line and rope anchor hardware products that are suitable replacement for existing hardware are listed below:
   a. Plastic cup anchor w/stainless steel bar
   b. Arrow rope eye holder
   c. Cup anchor w/adjustable eyebolt
   d. Rope eye w/lag
   e. Bronze insert anchor

10.5. Preparation:
   a. Using a cold chisel, remove existing tile, plaster, and concrete from the immediate area of the anchor and rough surface to remove jagged edges. Remove no more material than is necessary to complete the installation.
   b. Remove debris and clean surfaces.

10.6. Installation:
   a. Wet surface and apply plaster as a base for anchor.
   b. Set anchor in the plaster.
   c. Fill cavity with plaster and allow to setup under water.
   d. After the Contractor has completed the project, the Project Manager shall arrange for testing of the electrical bonding of any fixtures that may have been disturbed by Contractor activity (All work must meet Article 680 of the NEC).

11. POWER WASH:

11.1. Preparation/Application:
   a. Power wash surface (concrete/tile) with a pressure washer with the appropriate power to remove mineral deposits and stains without damaging surface or loosening grout or tiles. Use an appropriate cleaning agent, approved by the Project Manager, following this procedure. The cleaning agent shall be hand brushed on difficult stains and areas, followed-up with a power wash.
   b. Rinse deck surface with clean water to remove or neutralize residual chemical cleaner.

12. REMOVAL AND REINSTALLTION OF EXISTING DIVE STAND:

12.1. Removal:
   a. As dive stand components are disassembled, the Contractor shall attach an identification tag to each part to avoid confusion during the transportation, stripping/painting, and reassembly processes.
   b. The Contractor shall remove and store dive boards in a safe, dry, and flat location provided by FCPA.
   c. Remove and store stainless steel hand and guardrails.
d. Do not remove support arms from the fulcrum box. Remove roller and foot wheel. Stand box and main support remain as one piece. Remove diving board hinges from ladder assembly. These components shall be set aside for shipping by FCPA.

12.2. **Re-installation:** Contractor shall follow installation instructions provided by the manufacturer.
   a. Place a minimum of one 1/8-inch-thick shim between the dive stand and the mounting surface on the pool deck to reduce paint blister and stand corrosion.
   b. Attach board to stand. The “pitch” or rise of the board should be zero (level) and in no circumstance should the tip of the board be set below level. If upward slope is requested by the Project Manager, 1/16 inch per linear foot is acceptable with a maximum of one inch overall as measured between the back and the tip.
   c. The level shall be checked with hold-down bolts reasonably secure and rechecked after the bolts have been tightened with maximum exertion on an 18-inch socket handle or box wrench.
   d. Check sideways movement of board over roller by bouncing several times. If the board drifts off center, follow the manufacturer’s instructions to correct.
   e. After the Contractor has finished the project, the Project Manager shall arrange for testing of the electrical bonding of any fixtures that may have been disturbed by Contractor activity. (All work must meet Article 680 of the NEC).

13. **INSTALLATION OF NEW DIVE STANDS:**

13.1. **Preparation:**
   a. Assembly and installation of stands shall include repairs to concrete, tile, bonding and other components to complete the task.
   b. Individual sites shall provide parts, features and fittings unless arranged otherwise. Hardware, supplied by Contractor, shall be approved by the Project Manager and be of the highest quality and appropriate for the specific application.
   c. Contractor shall follow manufacturer’s instructions for assembly, preparation, and installation of stands.
   d. Inventory parts and notify Project Manager of missing parts.

13.2. **Installation:**
   a. Place a minimum of one 1/8-inch-thick shim between the stand and the mounting surface on the pool deck to reduce paint blister and stand corrosion.
   b. The level shall be checked with hold-down bolts reasonably secure and rechecked after the bolts have been tightened with maximum exertion on an 18-inch socket handle or box wrench.
   c. The tile or concrete deck/pool surfaces shall be repaired to match the surrounding deck/pool in appearance, slope, and material.
   d. After the Contractor has finished the project, the Project Manager shall arrange for testing of the electrical bonding of any fixtures that may have been disturbed by Contractor activity (All work must meet Article 680 of the NEC).

14. **CLEAN AND POLISH STAINLESS-STEEL GUTTERS:**

14.1. **Preparation:**
   a. Remove gutter depth markings.
   b. Take the necessary precautions to protect the pool whitecoat and deck surfaces from cleaning chemicals.
   c. Test a small area of stainless with the cleaning chemical to make sure it does not damage, discolor, or in any way alter the look of the stainless steel.

14.2. **Application:**
   a. Clean all surfaces, except for the gutter area where the water flows.
   b. Use an appropriate stainless-steel cleaner to remove all residue build-up.
   c. Remove all cleaner residue and polish stainless steel.