

ADDENDUM NUMBER 3

CALVIN MOODY PARK COMMUNITY  
BUILDING, SPLASH PAD, AND PARK RENOVATION RE-BID  
Site #701, Bldg. #1460  
2200 West Burleigh Street  
Milwaukee, WI 53206

Project Number: P191-11437

Date of Addendum: August 20, 2014

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated July 9, 2014, and is hereby made part of the Contract Documents.

**MODIFICATIONS & CLARIFICATIONS TO BID FORM**

1. Document 00410 Bid Form & 00410 Bid Form Sample:
  - a. Page 00410-1, **DELETE** "Bids Due: August 20, 2014" and **REPLACE WITH** "Bids Due: **August 27, 2014**".
  - b. Page 00410-2.2.4, Contract 2, and Page 00410-2.3.4, Contract 3, **DELETE** Bid Item 21 " 1 1/2" gas line".

**MODIFICATIONS & CLARIFICATIONS TO TECHNICAL SPECIFICATIONS**

1. Document 00010 – Table of Contents, Volume 1:
  - a. **ADD** to index and project manual: (specification sections attached).
    - i. Specification Section 02751 - Portland Cement Concrete Paving.
    - ii. Specification Section 09 96 53 - High Performance Pool Coatings.
2. Document 00100 – Invitation to Bid:
  - a. Page 00100-1,2. Bid: **REVISE** as follows,

*"Sealed bids are due in the office of the County Clerk, Courthouse - Room 105, 901 North 9th Street, Milwaukee, WI 53233, no later than 2 P.M., Wednesday, **August 27, 2014**"*
3. Special Provisions:
  - a. Page SP 6, Item 21, 1-1/2" Gas Line: **REVISE** as follows,

*"Item 21 Gas Service: Contractor shall prepare and submit gas service installation request to "WE Energies". Cost of utility gas service installation shall be paid by Bid Item 68 "Utility Allowance" or directly by owner. Contractor shall coordinate and schedule service installation with WE Energies. All general conditions and overhead cost for coordination and scheduling associated with the utility gas service installation shall be included in bid Item 1 – Mobilization.*

- b. Page SP 9, Item 28 - Concrete Pavement 6" with Rubberized Surface Coating – Splashpad, Materials: **ADD** as follows,

*"& Section 09 96 53".*

End of Addendum No. 3

- E. ASTM D1557 - Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 lb (4.54 Kg) Rammer and 18 inch (457 mm) Drop.

#### 1.4 ENVIRONMENTAL REQUIREMENTS

- A. Section 01600 – Product Requirements: Environmental conditions affecting products on site.
- B. Do not place concrete when base surface temperature is less than 40 degrees F, or surface is frozen.

#### 1.5 SUBMITTALS

- A. Section 01330 – Submittal Procedures: Requirements for submittals.
- B. Product Data: Provide data on concrete materials, tie down anchors, curing compounds, and caulk.
- C. Design Data:
  - 1. Submit concrete mix design for each concrete strength. Submit separate mix designs when admixtures are required for the following:
    - a. Hot and cold weather concrete work.
  - 2. Identify mix ingredients and proportions, including admixtures.
  - 3. Identify chloride content of admixtures and whether or not chloride was added during manufacture.
- D. Shop Drawings: Indicate bar sizes, spacing, locations, and quantities of reinforcing steel, bending and cutting schedules, and supporting and spacing devices.
- E. Color samples for sealants.

#### 1.6 JOB CONDITIONS

- A. Where not in conflict with Building Code, and except as amended herein, work shall conform to Recommended Practices of ACI and ASTM.
- B. Remove water, snow, and ice that may accumulate in excavations and forms before placing concrete. Do not place concrete on sub-base that contains frozen materials. Do not place concrete in dry forms or on dry subgrade.
- C. Trim, clean, and square excavations and surfaces to receive concrete.
- D. Coordinate the delivery times and the placement of inserts and items with erection of form work and concreting.

- E. Notify Engineer at least 24 hours in advance before starting to place concrete to permit viewing of forms, reinforcing, sleeves, conduits, boxes, inserts or other work required to be installed in concrete.

#### 1.7 DELIVERY TICKETS

- A. With each load of concrete delivered to job, provide a delivery ticket for Engineer. Delivery tickets shall provide following information:
  - 1. Date and serial number of ticket.
  - 2. Name of ready-mixed concrete plant.
  - 3. Type of cement, admixtures, if any, and brand name.
  - 4. Cement content in bags per cubic yard of concrete.
  - 5. Truck number and time dispatched.
  - 6. Amount of concrete in load in cubic yards delivered.
  - 7. Maximum size aggregate.
  - 8. Water added at job, if any, and slump of concrete after water was added.
  - 9. Slump of concrete ordered.
  - 10. Time unloaded

#### 1.8 TESTING/FIELD QUALITY CONTROL

- A. The designated testing agency will test cylinders provided by the Contractor. Test to measure slump, entrained air content, and compressive strength shall be conducted by independent testing laboratory.
- B. Samples of concrete shall be obtained in accordance with ASTM C172 and shall be transported to place on site where tests can be made, and cylinders stored without being disturbed for first 24 hours. The data on the delivery ticket shall accompany each test cylinder.
- C. Compression Strength Tests
  - 1. Contractor shall make cylinders for strength tests in accordance with ASTM C31. During first 24 hours cover test specimens and keep at temperatures between 60 and 80 degrees F. After 24 hours transport specimens to testing laboratory where cylinders shall be cured until time of test.
  - 2. Strength test shall consist of 4 standard cylinders made from same load of concrete conforming to ASTM C172 with 2 cylinders tested at 7 days and 2 at 28 days. Test results at 28 days shall be average of strength determined in accordance with ASTM C39.
  - 3. Make strength tests for each of following conditions: Each day's pour; minimum one each change of supplies or source.

4. Owner will select testing laboratory. Contractor shall arrange for tests, care for, and deliver test specimens to testing laboratory. Lab testing of cylinders will be paid by Owner.

D. Slump and Air Content Tests

1. Perform on concrete from same batch as sampled for strength tests and whenever there is a change in consistency of concrete. Slump tests shall be made in accordance with ASTM C143. Air content tests shall be made in accordance with ASTM C231. If measured slump or air content falls outside specified limits, check shall be made immediately on another portion of same sample. In event of second failure, concrete shall not be used in Work.

E. Compliance

1. Average of any three consecutive strength tests for each class of concrete shall be equal to or greater than specified strength, and no individual test shall fall more than 500 psi below specified strength.
2. When test results are below specified requirements or when tests of field cured cylinders indicate deficiencies in protection and curing. Engineer may require additional test in accordance with ACI-318, Subsection 4.3.

1.9 QUALITY ASSURANCE

- A. Perform Work in accordance with ACI 301.
- B. Obtain cementitious materials from same source throughout.
- C. Perform Work in accordance with the State of Wisconsin and applicable municipal specs.

1.10 QUALIFICATIONS

- A. Installer: An experienced installer who has completed pavement work similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Manufacturer: Manufacturer of ready-mixed concrete products complying with ASTM C 94 requirements for production facilities and equipment. Manufacturer must be certified according to the National Ready Mix Concrete Association's Plant Certification Program.

PART 2 PRODUCTS

2.1 BASE COURSE

- A. Crushed stone shall conform to Gradation No. 2 or 3 as set forth in Section 304.2.6 of the State Specs, except that the amount of material passing the No. 200 sieve shall be between 7 and 12 percent.

2.2 FORM MATERIALS

- A. Wood or steel form material, profiled to suit conditions.
- B. Flexible or curved forms for curves of a radius of 100 feet or less.
- C. Commercially formulated form-release agent that will not bond with, stain, or adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces.

2.3 REINFORCEMENT

- A. All reinforcing steel shall be manufactured from domestic mills.
- B. Reinforcing steel: ASTM A615, 60 ksi yield grade; deformed billet steel bars, plain finish.
- C. Welded Steel Wire Fabric: Plain type, ASTM A185 in flat sheets, unfinished.
- D. Dowels: ASTM A615, 60 ksi yield grade, plain steel, unfinished.
- E. Reinforcing shall have suitable marks to visually determine grades at site.

2.4 CONCRETE MATERIALS

- A. Concrete used throughout shall be ready-mixed concrete furnished by mixing plant. CONCRETE SHALL BE LOW CHERT. No frozen materials or any hardened cement shall be used.
- B. Portland Cement: ASTM C150, Type 1. Cement shall be from one source.
- C. Fine Aggregate: ASTM C33. Fine aggregate shall consist of clean, sharp, natural sand. Materials finer than the 200 sieve shall not exceed 4 percent.
- D. Coarse Aggregate: ASTM C33. Coarse aggregate shall consist of natural crushed stone or gravel. Materials finer than the 200 sieve shall not exceed 0.5 percent.

- E. Water shall meet requirements of ASTM C94.
- F. Air-entraining admixture: Concrete shall contain 4 to 6% air by volume. Admixture used to secure desired air content shall conform to ASTM C260. Admixture shall be nontoxic after 30 days and shall contain no chlorides. Furnish manufacturer's compliance statement for these requirements to Engineer within 7 days prior to use.

## 2.5 ACCESSORIES

- A. Waterstop: per Technical Specification 031513
- B. Expansion Joint Material: 3/8-inch thick closed cell polyethylene. Where caulk is scheduled, expansion joint material shall have a 1/2-inch zip strip.
- C. Sealants
  - 1. Sealants at expansion joints shall be one part polyurethane Sika 15LM.
  - 2. Color shall be as follows:
    - i. Pool Joints: Color to match final surface coating. **Submit for approval.**
    - ii. Deck Joints: Limestone
    - iii. Other Slab Joints: Limestone or as directed by Architect/Engineer
  - 3. Primer: Concrete at expansion joints shall be primed with Sikaflex Primer 429/202 prior to applying Sika 15LM.
  - 4. Sealants shall be installed by company with minimum five years documented experience.
- D. Deck and walkway concrete shall be cured and sealed with a sprayable clear, water based, acrylic compound for surface application. Compound shall be in compliance with Federal VOC Regulation for Architectural, Industrial Maintenance Coatings. Compound shall have a minimum solids content of 20% and shall meet ASTM 309. Compound shall be VOCOMP-20 as manufactured by W.R. Meadows or AS-1 as manufactured by TK Products.
- E. These products are locally distributed by Brock White, 262/785-4646

## 2.6 CONCRETE MIX

- A. Concrete shall be mixed in accordance with ACI 304. Deliver concrete in accordance with ASTM C94.

- B. Select portions for normal weight concrete in accordance with ACI 301. Contractor shall submit mix and strength test data for concrete to be used for review prior to placing concrete.
- C. Provide concrete to the following criteria:
  - 1. Compressive Strength (28 day psi) 4000
  - 2. Minimum Cement (lbs/cy) 564  
(6 bag mix)
  - 3. Maximum Aggregate Size 3/4"
  - 4. Water/Cement Ratio (Max) 0.45
  - 5. Slump 2" to 4"
  - 6. Air Entrainment (by volume) 4-6%
- D. Add no water on job unless authorized. Record amount of water, if added, on delivery ticket. If water is permitted to be added to concrete additional mixing of drum is required.
- E. Concrete delivered shall arrive at site having temperature not less than 60 degrees F, or greater than 90 degrees F.
- F. Use of accelerating admixtures in cold weather and retarding admixtures in hot weather shall have Engineer's written approval.
- G. Use of calcium chloride is prohibited.

2.7 SOURCE QUALITY CONTROL

- A. Submit proposed mix design to Engineer for review prior to commencement of work.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01300 – Administrative Requirements: Verification of existing conditions before starting work.
- B. Verify compacted subgrade is acceptable and ready to support the work.
- C. Verify gradients and elevations are correct.

### 3.2 PREPARATION OF SUBGRADE

- A. The preparation of the subgrade and forms, setting of forms, and placing and finishing of concrete shall conform to the requirements of Section 601 of the State Specs.
- B. Compact subgrade to density requirements for base course.
- C. Cut out soft areas of subgrade not capable of compaction in place. Backfill with subbase and compact to density equal to or greater than requirements for subsequent material.
- D. The subgrade upon which the base course is to be constructed shall be prepared and maintained to the required lines, grades, and section in accordance with the State Specs.
- E. No base material shall be placed on a subgrade covered by ice or snow, nor shall it be placed on a wet or soft subgrade unless specifically directed by the Owner.
- F. All material to be placed under this contract shall be compacted in accordance with the provisions for "Special Compaction" as designated in paragraph 207.3.6.3 of the State Specs.
- G. Equipment used for compaction shall be suited to produce the required results and shall be subject to the approval of the Owner.
- H. Layers shall not be compacted when the moisture content of the material or the subgrade is such that rutting or excessive displacement or distortion of the materials occurs.
- I. Proof-roll prepared subbase surface to check for unstable area and verify need for additional compaction.
- J. Proceed with base course only after nonconforming conditions have been corrected and subgrade is ready to receive the base course
- K. **Concrete bases** for benches, spray toys etc. shall be set to correct elevations prior to compaction of base course.

### 3.3 INSTALLATION OF BASE COURSE

- A. On prepared subbase, place crushed stone base course, blade smooth and compact.
- B. Crushed stone shall be placed and compacted in equal continuous layers not exceeding 6 inches compacted depth.

- C. Employ a placement method that does not disturb or damage other work or structures on site.
- D. Maintain optimum moisture content of material to attain required compaction density.
- E. Compact granular base to support paving at the gradients and elevations shown on the plans.

### 3.4 FORMING

- A. Forms must be in good condition, reasonably clean, and of adequate strength and suitable shape for the purpose intended.
- B. Forms shall be bent or constructed to the shape or curvature of the work. Use flexible or curved forms for curves of a radius of 100 feet or less.
- C. Place and secure forms to correct location, dimension, and profile.
- D. Assemble formwork to permit easy stripping and dismantling without damaging concrete.
- E. Place joint filler vertical in position, in straight lines. Secure to form work during concrete placement.

### 3.5 PLACING REINFORCEMENT

- A. Place reinforcement in slabs-on-grade as indicated on plan.
- B. Protect benches, spray toys and anchors from damage and concrete spatter during placing process.
- C. Interrupt reinforcement at expansion joints.
- D. Place dowel reinforcement to achieve pavement and curb alignment as detailed. Slabs and curbs shall be doweled to adjacent slabs and curbs to reduce the potential for differential movement.
- E. Provide doweled joints at 24 inches O.C. at joints with one end of dowel set in capped sleeve to allow longitudinal movement.
- F. Position reinforcement to a plus or minus 1/4 inch and secure against displacement by using at intersections 16 gauge soft annealed wire or suitable clips. Tie bars to chairs. Support reinforcing on bolsters or chairs and carrying bars. Broken brick or concrete shall not be used to support the reinforcing.
- G. Accommodate placement of formed openings.

- H. Fabricate in workable sections and furnish in amount and lengths required for 30" dia. laps.
- I. Maintain concrete cover around reinforcing as follows:

<u>Item</u>	<u>Coverage</u>
Formed surfaces exposed to weather	2 inches
Concrete exposed to ground	3 inches
- J. Correct displacement of reinforcement just prior to and during concrete pouring operations.
- K. Reinforcing steel is to be inspected and approved in place before it is covered with concrete. No bending of reinforcement will be permitted and no welding of reinforcement will be permitted.

### 3.6 ELECTRICAL GROUNDING

- A. All grounding shall comply with the Wisconsin Administrative Code. Steel tie wires are considered suitable for bonding the reinforcing steel together.
- B. Join all reinforcing and dowels from area to area by bonding with No. 8 solid copper conductor. Provide slack in bonding conductor where expansion of concrete might cause conductor breakage.
- C. Connect the grounding system with the building grounding system.

### 3.7 JOINTS

- A. Slab: Place expansion joints and tool joints as shown on plans. Align slab joints.
- B. Place joint filler between paving components and building or other appurtenances. Recess top of filler 1/8 below top of concrete.
- C. Preparation of joints with primer and filler and installation of the sealer product shall be done in accordance with procedure recommended by the manufacturer.
- D. Duct tape each side of joint. Trowel in caulk flush with deck. Remove tape.

### 3.8 PLACING CONCRETE

- A. The Contractor shall notify the project inspector 24 hours in advance of any concrete placement.

- B. Verify grounding of electrical and metallic components before placing concrete.
- C. Moisten base to minimize absorption of water from fresh concrete.
- D. Except as modified herein the placing of Concrete shall be in accordance with ACI 301.
- E. Place concrete as soon as possible after leaving mixer, without segregation or loss of ingredients.
- F. Maintain records of concrete placement. Record date, location, quantity, air temperature, and test samples taken.
- G. Do not place concrete when the ambient temperature is below 40 degrees F and falling, without special protection as approved by the Engineer. Any concrete damage by freezing shall be removed and replaced at no additional cost to the Owner.
- H. No concrete shall be placed in the rain and any newly placed concrete shall be protected from rain by tarps or other covering until the concrete has set.
- I. Concrete shall not be deposited in water. Water shall be removed from the excavation before placing concrete.
- J. Concrete shall not be allowed to drop freely more than four feet.
- K. Ensure reinforcement, inserts, embedded parts, and formed joints are not disturbed during concrete placement.
- L. Concrete shall be placed with the aid of vibrator equipment. Consolidate concrete in accordance with ACI 301, Section 8.3.
- M. All concrete construction shall be poured and finished the same day. Protection shall be available to cover the finished concrete in case of inclement weather.
- N. Finishing Tolerance shall meet requirements of ACI 301, Table 4.3-1 and slabs shall be Class A tolerances in accordance with ACI 301, Section 11.9.
- O. Place concrete continuously between predetermined construction joints. Do not break or interrupt successive pours such that cold joints occur.
- P. Screed pavement surfaces with a straightedge and strike off. Commence initial floating using bull floats or darbies to form an open textured and uniform surface plane before excess moisture of bleed water appears on

the surface. Do not further disturb concrete surfaces before beginning finishing operations.

### 3.9 FINISHING

- A. General: Wetting of concrete surfaces during screeding, initial floating, or finishing operations is prohibited.
- B. Float Finish: Begin the second floating operation when bleed-water sheen has disappeared and the concrete surface has stiffened sufficiently to permit operations. Finish surfaces to true planes. Cut down high spots, and fill low spots. Refloat surface immediately to uniform granular texture.
- C. All edges shall be finished with an edging tool having a radius of 1/4 inch and all tool joints shall be finished with a jointer having a radius of 1/4 inch and a minimum depth of 1 inch.
- D. Tool joints shall be constructed at right angles to the edge of the slab and be spaced as shown on the drawings.
- E. Broom finish as indicated below. Brooming shall be done in a direction perpendicular to the line of work.
  - 1. Deck around splash pad and walks: Light broom finish
  - 2. Splash Pad: Medium broom finish.

### 3.10 PROTECTION AND CURING

- A. Protect fresh concrete from direct rays of the sun, drying winds, wash by rain, frost, and rapid drying.
- B. Begin curing after finishing concrete, but not before free water has disappeared from the concrete surface.
- C. Splash Pad concrete, shall be wet cured. Contractor shall fog newly poured concrete until set. Concrete shall then be covered with WDOT approved Burlene as distributed locally by Brock White, 785-4646. The burlap shall be kept saturated with water by light sprinkling for at least 7 days. Curing compounds shall not be used on splash pad concrete. Concrete shall cure at least 14 days before caulking. Moisture test concrete prior to sealant work.
- D. Deck and walkway concrete shall be cured and sealed with a sprayable clear, water based, acrylic compound for surface application.
- E. During time concrete work is being installed protect existing surfaces and finished work of other trades with non-staining, heavy building paper or

P070-12417

other materials required by character of work. Install in manner to prevent damage, staining or marring of adjoining work.

END OF SECTION

Portland Cement Concrete Paving  
02751- 13

SECTION 09 96 53

HIGH PERFORMANCE POOL COATINGS

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Surface preparation and high performance coatings for concrete splash pad surface.

1.2 UNIT PRICE – MEASUREMENT AND PAYMENT

- A. Pool Concrete Coating: By the square foot. Include preparation of existing surface and application of protective coatings.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01330.
- B. Product Data: Provide data on all products.
- C. Samples: Submit samples illustrating colors for color selection.
- D. Manufacturer's Installation Instructions: Submit special procedures, and conditions requiring special attention.
- E. Manufacturer's Certificate: Certify Products meet or exceed specified requirements.

1.4 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- B. Applicator: Company specializing in performing Work of this section with minimum five years documented experience.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect and handle products to site under provisions of Section 01600.
- B. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- C. Store protective coating materials at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees

C), in ventilated area, and as required by manufacturer's instructions.

## 1.6 CLOSEOUT SUBMITTALS

- A. Section 01700 - Execution Requirements: Closeout procedures.
- B. Operation and Maintenance Data: Submit maintenance and cleaning requirements for coatings, and repair and patching techniques.

## 1.7 PROJECT CONDITIONS

- A. Work at site where coat of material has been applied must be inspected and approved before application of each coat, otherwise Contractor assumes responsibility to recoat work in question. Protective coating Contractor shall report when each coat is completed for inspection to comply with above.
- B. Visit site to determine where protective coating will be required. Apply protective coatings as specified hereinafter. Verify conditions of existing surfaces which are to receive new protective coatings.

## 1.8 ENVIRONMENTAL REQUIREMENTS

- A. Section 01600 – Product Requirements
- B. Blasting shall be done in accordance with OSHA regulations.
- C. Do not apply coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the protective coating product manufacturer.
- D. Minimum Application Temperature: 45 degrees F (7 degrees C).  
Maximum Application Temperature: 90 degrees F (32 degrees C).
- E. Maintain this temperature range, 24 hours before, during, and 72 hours after installation of coatings.

## PART 2 PRODUCTS

### 2.1 MATERIALS

#### A. PRODUCT

- 1. Protective coating shall be Tuff Coat Pool/Deck Surface Coating system. Manufactured by TUFF Coat Manufacturing, Inc. Montrose, CO. 1-877-252-9457
  - i. Primer: CP-10
  - ii. Intermediate Coat: UT100AQ 60 mils wet.
  - iii. Topcoat: UT100AQ, 60 mils wet. Topcoat shall include rubber crumb aggregate. Use roller or brush for edges.

High Performance Pool Coatings

09 96 53 - 2

## 2. Colors as indicated on plans

### PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Verify site conditions under provisions of Section 01330.
- B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect preparation and proper application.
- C. Verify substrate surfaces are ready to receive work as instructed by coating manufacturer. Obtain and follow manufacturer's instructions for examination and testing of substrates.

#### 3.2 PREPARATION

- A. Protect adjacent surfaces from damage during cleaning and protective coating operations. Use protection that will not allow stains or damage to other surfaces.
- B. Concrete
  - 1. Water blast the surface with 2500 psi zero degree oscillating power washer.
  - 2. Remove loose contaminants. surface profile should be similar to that of course sandpaper.
  - 3. High-pressure rinse the surface using clean, potable water. Allow to dry.
  - 4. Prepare four-foot by four-foot test patch for approval by the Engineer prior to proceeding with preparation of the entire pool. The pool shall meet the condition approved from the test patch.
  - 5. The concrete surface must be clean, dry, physically sound and free of all grease, oil, dust, curing compounds or membranes - any foreign materials or contaminants that will interfere with primer penetration and adhesion.
  - 6. Minimum surface temperature shall be 50° F and rising for application of filler and surfacing materials and 45° F and rising for application of the coating materials.
  - 7. Where surface dryness is questioned, test with a dampness-indicating instrument. Do not apply coatings over surfaces where moisture content exceeds that permitted by the coating manufacturer.

8. Verify that Concrete has exceeding minimum curing days per manufacturer requirements.

### 3.3 APPLICATION

- A. Apply products in accordance with manufacturer's instructions.
- B. Provide workmanship in accordance with standards set forth by "Painting and Decorating Contractors of America" Type 1 "Standard" Specifications except as otherwise specified herein.
- C. Do not apply finishes to surfaces that are not dry.
- D. Apply each coat to uniform finish.
- E. Apply each coat of protective coating slightly darker than preceding coat unless otherwise approved.
- F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- G. Allow applied coat to dry before next coat is applied.
- H. Finish in uniform and approved selected color. Protective coating materials shall completely cover and be smooth and free from runs, sags, clogging, or excessive flooding. Finish shall cover all openings 1/8 inch or larger so that it appears uniform and smooth. Make edges of protective coating adjoining other materials or colors sharp and clean without overlapping. Where high gloss enamel is used, lightly sand undercoats to obtain smooth finish coat. All undercoats of protective coatings shall be approximate shade as final coat.
- I. Concrete
  1. Primer: Spray apply and then backroll on all surfaces. Coverage rates will vary with the surface profile. The objective of this initial coat is to cause a heavy soak-in to the profiled surface.
  2. Intermediate Coat: Spray apply and then backroll on all surfaces. Allow to cure as per product data sheet before applying topcoat.
  3. Verify there is no overspray.
  4. Topcoat: Roll apply and then backroll on all surfaces. Allow the pool to sit for an equivalent period of time to emulate a cure period of seven days at 75° F before use.
- J. When project is completed, touch-up and restore finish where damaged or required.

### 3.4 CLEANING AND ADJUSTING

- A. Clean work under provisions of 01700.

- B. Collect waste material which may constitute fire hazard, place in closed metal containers, and remove daily from site.
- C. Clean surfaces immediately of overspray, splatter, and excess material.
- D. Remove from premises all rubbish and accumulated materials of whatever nature, and leave Work in clean, orderly and acceptable condition.

### 3.5 WARRANTY

- A. Product application to be warranted through two full seasons of use from peeling, fading, and developing air pockets.

### 3.6 SCHEDULE

- A. Protective coating for concrete as follows:
  - 1. Water blast the surface.
  - 2. One coat primer.
  - 3. One intermediate coat.
  - 4. One top coat.

END OF SECTION