


ADDENDUM TO RFP DOCUMENTS

	ADDENDUM #01
	SCCD RFQ: #16-011
	Project: Solano Community College District Pool Deck Repair Project #16-011
	Date: 3/21/16

Addendum # 01 – The following clarifications are provided based on questions received and must be added/considered when completing your submittal: Acknowledgement of receipt of this **ADDENDUM** is required on the Bid Form (Document 00 41 13).

ITEM:

1. Document 00 11 16 Invitation to Bid: Contractor Licenses C-61/D-6 Concrete Related Services and C-53 Swimming Pool Contractor will be accepted in addition to License B and/or C-8.
2. Clarify conflicting scope of three storage buildings/ sheds, between Document 01 11 00 Item 1.02A and sheet DP-1. Contractor shall remove one (1) wood frame storage shed (approx. 4'x4' footprint). Contractor shall relocate during construction, two (2) metal framed storage buildings; verify final placement with District. Owner will coordinate removal of portable shade structures, tables, and chairs.
3. Replace Specification Section 13152 Swimming Pool Concrete dated 3/21/16 in entirety to reflect revisions to 2.03H Pool Concrete Deck Coating Finish and the addition of 2.04 Joint Sealant Materials.
4. The following drawings in pdf format from the original construction in 1970 are available at BPXpress (www.blueprintexpress.com/sccdpurchasing) as Reference Documents.
 - a. 1 Pool Deck Initial Plot Plan, General Notes, Details
 - b. 2 Pool Plan Details
 - c. 3 Pool Sections- Section Through Project, Details
 - d. 4 Conc Bleachers on Mound Alternate Bid 5 & 6
 - e. 4A Portable Bleachers , Diving Stands
 - f. 6 Pool Mechanical & Storage Bldg, Pit Details
 - g. 7 Gunite, Reinforcing Steel, Typical Pool Profile Section, Pool Reinf Details
 - h. 8 Thokol Caulking, Ceramic Tile, Marker Details, Tile Details
 - i. 12 Plot Plan, General notes, Details, Alternate Bid #3
 - j. 14 Miscellaneous Details
 - k. 15 Deck Equipment, Misc Details & Anchors
 - l. E-1 Electrical Plan, Electrical Fixture Schedule, Panelboard Diagrams & Misc
 - m. M-1 Pool & Deck Piping Plan & Details

End of Document

SECTION 13152**SWIMMING POOL CONCRETE****PART 1 – GENERAL**

All applicable portions of Division 1, including the drawings and general provisions of the contract, the general and supplementary conditions and Division 1 specification sections which apply to work of this section as if printed herein.

PART 1 GENERAL**1.01 WORK INCLUDED**

- A. Forming for cast-in-place concrete associated with swimming pool decking.
- B. Reinforcement for cast-in-place concrete associated with swimming pool decking.
- C. Cast-in-place concrete for swimming pool decking.

1.02 QUALITY ASSURANCE

- A. Qualifications of Workers:
 - 1. The entity performing the work of this Section shall have been successfully engaged in the respective trade for at least five (5) years immediately prior to commencement of the Work.
 - 2. For actual construction operations, use only trained and experienced workers with a minimum of three (3) years experience with the materials and methods specified.
 - 3. Provide at least one person who shall be present at all times during execution of the work of this Section, with a minimum of five (5) years experience with the type of materials being installed, the referenced standards, and who shall direct all Work performed under this Section.
- B. Standards:
 - 1. In addition to complying with the California Building Code (latest edition), comply with all pertinent recommendations contained in "Recommended Practice for Concrete Formwork," Publication ACI 347 of the American Concrete Institute.
 - 2. In addition to complying with California Building Code (latest edition), comply with all pertinent recommendations contained in "Manual of Standard Practice for Detailing Reinforced Concrete Structures," Publication ACI 315 of the American Concrete Institute.
 - 3. In addition to comply with all local codes and regulations, comply with all pertinent recommendations contained in American Society for Testing and Materials (ASTM); ASTM C 920 "Standard Specification for Elastomeric Joint Sealants."
 - 4. Where provisions of applicable codes and standards conflict with the requirements of this Section, the more stringent provisions shall govern.

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- C. Tolerances: Construct all swimming pool concrete straight, true, plumb and square within a tolerance horizontally of one in 200 and vertically of one in 2000.

1.03 SUBMITTAL AND SUBSTITUTIONS

- A. Provide submittals in conformance with the requirements of Section 01330.
- B. Samples and Certificates, Concrete Reinforcement:
1. Provide all data and access required for testing as described in the Specifications.
 2. All material shall bear mill tags with heat number identification. Mill analysis and report shall be made available upon request.
 3. Material not so labeled and identifiable may be required by the Owner's Representative to be tested by the testing laboratory selected by the Owner's Representative and at no additional cost to the Owner, in which case random samples will be taken for one series of tests from each 2-1/2 tons or fraction thereof of each size and kind of reinforcing steel.
 4. Design mix from batch plant demonstrating previous use history and associated strengths at 28 days.
 5. The Contractor shall submit a mix design stamped and signed by a licensed engineer for approval by the Owner's Representative prior to any placement of concrete.
- C. Submit proof of qualifications as specified in Article 1.02.A of this Section.
- D. Submit reinforcing shop drawings for pool walls, gutters, floors, dike walls and balance tanks, etc. as shown on the construction drawing.

1.04 PRODUCT HANDLING

- A. Delivery: Deliver materials to the Project Site in the manufacturer's original unopened containers with all labels intact and legible.
- B. Storage: Store materials under cover in a manner to prevent damage and contamination, and store only the specified materials at the Project Site.
- C. Protection: Use all means necessary to protect the swimming pool concrete before, during, and after installation and to protect the installed Work specified in other Sections.
- D. Replacements: In the event of damage, immediately make all repairs and replacements necessary to the approval of the Owner's Representative.

PART 2 – PRODUCTS**2.01 CONCRETE FORMWORK**

A. Form Materials:

1. Form Lumber: All form lumber in contact with exposed concrete shall be new

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except as allowed for reuse of forms in Part 3 of this Section, and all form lumber shall be one of the following, a combination thereof, or an equal approved in advance by the Owner's Representative.

- a. "Plyform," Class I or II, bearing the label of the Douglas Fir Plywood Association; "Inner-Seal" Form as manufactured by Louisiana-Pacific, or approved equal.
 - b. Douglas Fir-Larch, number two grade, seasoned, surfaced four sides.
2. Form Release Agent: Colorless, non-staining, free from oils; chemically reactive agent that shall not impair bonding of paint or other coatings intended for use.
- B. Ties and Spreaders:
1. Type: All form ties shall be a type which do not leave an open hole through the concrete and which permits neat and solid patching at every hole.
 2. Design: When forms are removed, all metal reinforcement shall be not less than two (2) inches from the finished concrete surface.
 3. Wire Ties and Wood Spreaders: Do not use wire ties or wood spreaders.
- C. Alternate Forming Systems: Alternate forming systems may be used subject to the advance approval of the Owner's Representative.

2.02 CONCRETE REINFORCEMENT

- A. Bars: Bars for reinforcement shall conform to "Specifications for Deformed Billet-Steel Bars for Concrete Reinforcement," ASTM A-615, Grade 60.
- B. Wire Fabric: Wire fabric shall conform to "Specifications for Wire Fabric for Concrete Reinforcement," ASTM A-185.
- C. Tie Wire: Tie wire for reinforcement shall conform to "Specifications for Stainless Steel Wire for Concrete Reinforcement," 16 gauge tie wire.

2.03 CAST-IN-PLACE CONCRETE

- A. Concrete:
1. All concrete, unless otherwise specifically permitted by the Owner's Representative, shall be transit-mixed in accordance with ASTM C94. Concrete for water retaining structures that do not receive a waterproofing finish such as ceramic tile or swimming pool plaster shall contain an integral waterproofing admixture.
 2. The control of concrete production shall be under the supervision of a recognized testing agency, selected by the Owner.
 3. Quality: All concrete shall have the following minimum compressive strengths at twenty-eight (28) days and shall be proportioned within the following limits:
 - a. 3,000 psi minimum compressive strength.
 - b. 1" maximum size aggregate.
 - c. 6.0 minimum sacks of cement per cubic yard.*
 - d. 4" maximum slump.

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* For estimate only: to be determined by mix design.

4. Cement: All cement shall be Portland Cement conforming to ASTM C-150, type II, and shall be the product of one manufacturer.
5. Aggregates:
 - a. Shall conform to "Standard Specifications for Concrete Aggregates," ASTM C33, except as modified herein.
 - b. Coarse Aggregate: Clean sound washed gravel or crushed rock. Crushing may constitute not more than 30% of the total coarse aggregate volume. Not more than 5% flat, thin, elongated or laminated material nor more than 1% deleterious material shall be present. 1" aggregate graded from 1/4" to 1", fineness modulus 6.90 to 7.40. 1-1/2" graded from 1/2" to 1-1/2", fineness modulus 7.80 to 8.20.
 - c. Fine Aggregate: Washed natural sand of hard, strong particles and shall contain not more than 1% of deleterious material, fineness modulus 2.65 to 3.05.
6. Water: Clean, fresh, free from acid, alkali, organic matter or other impurities liable to be detrimental to the concrete (potable).
7. Admixtures: Admixtures shall be used upon approval of the Owner's Representative.
 - a. Air-entraining admixture: Conform to ASTM C260.
 - b. Water-reducing admixture: Conform to ASTM C494.
 - c. Waterproofing admixture: Conform to ASTM C494.

B. Construction Joints: Use keyform for slab pour joints. Either preformed galvanized or PVC construction joint forms of a standard manufacturer may be used. Install per manufacturer's recommendations and tool edges of slabs. All expansion joints must be the full depth of the concrete section in which they are located .

C. Waterstops: PVC bulb-type for use between concrete pours / lifts, conforming with ASTM D 570, D 624, and D 638. Provide in configuration(s) as recommended by manufacturer for specific application. Greenstreak, W.R. Meadows, or approved equal.

D. Curing Materials:

1. Liquid Membrane (covered slab): Chlorinated rubber membrane forming, curing-sealing compound conforming to ASTM C309.
2. Liquid Membrane (exposed slab): Clear methyl and butyl methacrylate non-staining, membrane forming, curing-sealing compound conforming to ASTM C309.

E. Cement Grout and Drypack:

1. Cement Grout: Mix 1 part by volume of Portland Cement, 1/2 part by volume of water and fine aggregate enough to make mixture flow under its' own weight.
2. Drypack: Mix 1 part by volume of Portland Cement, 1/2 part by volume of water and fine aggregate enough to make a stiff mix that will mold into a ball. Mix no more than can be used in 30 minutes.

F. Non Shrink Grout:

1. 'Fastest' non shrink grout no. 1585-09-20 exceeds ASTM C928 R-3 and ASTM

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C1107. 5,000 PSI at 7 days 'Fastest' or approved equal.

- G. Zinc Rich Paint:
1. Rust Oleum 'Brite' zinc paint or approved equal. For application to embedded rebar with rust prior to concrete encasement.
- H. Pool Concrete Deck Coating Finish
1. Acceptable Manufacturer: SUNDEK Products Inc, U.S.A which is located at 805 Ave H Suite 508; Arlington TX 76011; ASD. Toll Free Tel: 877-478-6335. Color to be selected from standard signature colors. *Installation shall be performed only by an authorized Sundek dealer.*
 2. Materials
 - a. Sundek Premix:
 - 1.) Copolymer modified thin set cement coating to be used in conjunction with Sundek Additive, available in Tan, Grey, Red and White colors.
 - b. Sundek Primer/Additive:
 - 1.) Vinyl acetate emulsion with 53% solids content.
 - c. Sundek Finish Coat:
 - 1.) Water base acrylic color effect available in 16 standard colors or any customer color choice as special order.
 - d. Sundek Clear Finish Coat
 - 1.) Water based acrylic clear coat with 20% solids.
 3. Preparation
 - a. Clean concrete surface with high pressure power washer.
 - b. Remove dirt, grease, oil, curing compounds or other foreign substances, which may prevent proper bonding.
 - c. Provide protective masking at all adjacent areas not to be coated.
 - d. Repair cracks, surface damage and any corrective measures on concrete.
 - e. *Environmental conditions during time of scheduled installation shall be given highest priority. These conditions include, but are not limited to, low temperature, humidity, wind, rain, substrate moisture and contaminates.*
 4. Application
 - a. Spray or roll on Sundek Primer/Additive on area to be coated. Allow to dry and become transparent.
 - b. Sundek Base Coat (Required for blending repairs and profiling rough concrete systems.)
 - 1.) Apply Sundek basecoat using squeegee or trowel uniformly on area to be coated to a minimum thickness of 1/16" and allow drying.
 - c. Spray Sundek Classic Texture Premix thru hopper gun with air pressure at 12 lbs.
 - d. Knock down sprayed texture after it loses its gloss to provide a non-slip finish.
 - e. Spray Sundek Finish Coat to surface once is completely dry by roller or airless type sprayer and allow drying completely.
 5. *Performance Criteria*
 - a. *Weighs lbs./ft. @ (3/16").....1.3lbs.*

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- b. *Thickness (Typical).....3/16"*
- c. *Bond Strength (ASTM C297)469 psi*
- d. *Freeze-Thaw (ASTM C-67).....No breakage <1% weight loss*
- e. *Slip Resistance (S.C.O.F)
(ASTM C-1028)..... .81 Wet-1.03 Dry*
- f. *Abrasion Test (ASTM D-1242)..... .0328 in. = 3000 psi Concrete*
- g. *Absorption Test (ASTM D-570).....12.7%*
- h. *Percolation Test
(ASTM D-1242) 48"/48 hr.....<1%*
- i. *Chemical Resistance
(ASTM D-229) 12 reagents.....Unaffected*
- j. *Impact Resistance
Mil D-3134 F.....No breakage/<.001.062in.*
- k. *Concentrated Load Test (500 lb.).....No breakage/<.001 in.*
- l. *Fire Resistance
(ASTM E108/UBCSTD #32-7/UL 790).....Class A*

2.04 JOINT SEALANT MATERIALS

- A. *Caulking: Multipart, non-sag gun grade polyurethane based sealant meeting the requirements of ASTM C920-02, Type S or M, Mamemco International, Pecora, Sika Corp., Sonneborn Building Products, Tremco or approved equal.*
- B. *Primer: Non-staining type, recommended by sealant manufacturer to suit application.*
- C. *Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.*
- D. *Sealant Backer Rod: Provide compressible polyethylene or polyurethane backer rod as recommended by the sealant manufacturer.*
- E. *Bond Breaker Tape: Provide polyethylene tape or other plastic tape as recommended by sealant manufacturer, to be applied to sealant-contact surfaces where bond to substrate or joint filler must be avoided for proper performance of sealant.*
- F. *Sand: Cover the surface of the caulking with #30 silica sand.*

2.05 OTHER MATERIALS

- A. All other materials, not specifically described but required for proper completion of the work of this Section, shall be as selected by the Contractor subject to the advance review by the Owner’s Representative.

PART 3 – EXECUTION

3.01 SURFACE CONDITIONS

- A. Inspection:

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1. Prior to all Work of this Section, carefully inspect the installed Work of other trades and verify that all such Work is complete to the point where this installation may properly commence.
 2. Verify that all Work may be constructed in accordance with all applicable codes and regulations, the referenced standards, and the original design.
- B. Discrepancies:
1. In the event of discrepancy, immediately notify the Owner's Representative.
 2. Do not proceed with installation in areas of discrepancy until all such discrepancies have been fully resolved.
 3. Failure to notify the Owner's Representative and give written notice of discrepancies shall constitute acceptance by the Contractor of existing conditions as fit and proper to receive work.

3.02 CONCRETE FORMWORK

- A. Construction of Forms:
1. General: Construct all required forms to be substantial, sufficiently tight to prevent leakage of concrete paste, and able to withstand excessive deflection when filled with wet concrete.
 2. Layout:
 - a. Form for all required cast-in-place concrete to the shapes, sizes, lines and dimensions indicated on the Drawings.
 - b. Exercise particular care in the layout of forms to avoid necessity for cutting concrete after placement.
 - c. Make proper provisions for all openings, offsets, recesses, anchorages, blocking and other features of the Work as shown or required.
 - d. Perform all forming required for Work of other trades and do all cutting and repairing of forms required to permit such installation.
 - e. Carefully examine the Drawings and Specifications and consult with other trades as required relative to providing for pipe and conduit penetrations, reglets, chases and other items in the forms.
 3. Imbedded Items: Set all required steel frames, angles, bolts, inserts and other such items required to be anchored in the concrete prior to concrete being placed.
 4. Bracings:
 - a. Properly brace and tie the forms together so as to maintain position and shape and to ensure safety to workmen.
 - b. Construct all bracing, supporting members and centering of ample size and strength to safely carry, without excessive deflection, all dead and live loads to which they may be subjected.
 - c. Properly space the forms apart and securely tie them together, using metal spreader ties that give positive tying and accurate spreading.
 5. Wetting: Keep forms sufficiently wetted to prevent joints from opening up before concrete is placed.
- B. Plywood Forms:
1. Design: Nail the plywood panels directly to studs and apply in a manner to minimize the number of joints.

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2. Joints: Make all panel joints tight butt joints with all edges true and square.
- C. Footing Forms:
1. Wood Forms: All footing forms shall be wood unless otherwise specifically approved by the Owner's Representative, or as specified in paragraph 3.02(C)(2).
 2. Earth Forms:
 - a. Side walls for footings may be of earth provided the soil will stand without caving and the sides of the bank are made with a neat cut to the minimum dimensions indicated on the Drawings.
 - b. For excavation and backfill of earth forms, conform with applicable provisions of the Specifications.
- D. Reuse of Forms:
1. Reuse of forms shall be subject to advance approval of the Owner's Representative.
 2. Except as specifically approved in advance by the Owner's Representative, reuse of forms shall in no way delay or change the schedule for placement of concrete from the schedule obtainable if all forms were new.
 3. Except as specifically approved in advance by the Owner's Representative, reuse of forms shall in no way impart less structural stability to the forms nor less acceptable appearance to finished concrete.
- E. Removal of Forms:
1. General:
 - a. In general, side forms of footings may be removed seven (7) days after placement of concrete, but time may be extended if deemed necessary by the Owner's Representative.
 - b. Forms for footings, foundations, grade beams, slabs, walls, and other formed concrete may be removed fourteen (14) days after placement of concrete.
 2. Removal:
 - a. Use all means necessary to protect workers, passersby, the installed Work of other trades and the complete safety of the structure.
 - b. Cut nails and tie wires or form ties off flush, and leave all surfaces smooth and clean.
 - c. Remove metal spreader ties on exposed concrete by removing or snapping off inside the wall surface and pointing up and rubbing the resulting pockets to match the surrounding areas.
 - d. Flush all holes resulting from the use of spreader ties and sleeve nuts using water, and then solidly pack throughout the wall thickness with cement grout applied under pressure by means of a grouting gun; grout shall be one part Portland Cement to 2-1/2 parts sand; apply grout immediately after removing forms.

3.03 CONCRETE REINFORCEMENT

- A. Bending:
1. General:

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- a. Fabricate all reinforcement in strict accordance with the Drawings.
 - b. Do not use bars with kinks or bends not shown on the Drawings.
 - c. Do not bend or straighten steel in a manner that will injure the material.
(When opposite end is already encased in concrete.)
2. Design:
- a. Bend all bars cold.
 - b. Make bends for stirrups and ties around a pin having a diameter of not less than two (2) times the minimum thickness of the bar.
 - c. Make bends for other bars, including hooks, around a pin having a diameter of not less than six (6) times the minimum thickness of the bar.
- B. Placing:
1. General: Before the start of concrete placement, accurately place all concrete reinforcement, positively securing and supporting by concrete blocks, metal chairs or spacers, or by metal hangers.
 2. Clearance:
 - a. Preserve clear space between bars of not less than one and one-half (1-1/2) times the nominal diameter of the round bars.
 - b. In no case let the clear space be less than one and one-half (1-1/2) inches nor less than one and one-third (1-1/3) times the maximum size of the aggregate.
 - c. Provide the following minimum concrete covering of reinforcement:
 - i. Concrete deposited against earth: three (3) inches.
 - ii. Concrete below grade deposited against forms: two (2) inches.
 - iii. Concrete elsewhere: As indicated on Drawings or otherwise approved by the Owner's Representative.
 3. Splicing:
 - a. Horizontal Bars:
 - i. Place bars in horizontal members with minimum lap at splices sufficient to develop the strength of the bars.
 - ii. Bars may be wired together at laps except at points of support of the member, at which points preserve clear space described above.
 - iii. Whenever possible, stagger the splices of adjacent bars.
 - iv. Splice sixty (60) bar diameters minimum.
 - b. Wire Fabric: Make all splices in wire fabric at least one and one-half (1-1/2) meshes wide.
 - c. Other Splices: Make only those other splices that are indicated on the Drawings or specifically approved by the Owner's Representative.
 4. Dowels: Place all required steel dowels and securely anchor them into position before concrete is placed.
 5. Obstructions: In the event conduits, piping, inserts, sleeves and other items interfere with placing reinforcement as indicated on the Drawings or otherwise required, immediately consult with the Owner's Representative and obtain approval of a new procedure prior to placing concrete.
- C. Cleaning Reinforcement: Steel reinforcement, at the time concrete is placed around it, shall be free from rust scale, loose mill scale, oil, paint and all other coatings which will destroy or reduce the bond between steel and concrete.

3.04 CAST-IN-PLACE CONCRETE**A. Conveying and Placing Concrete:**

1. Before placing concrete, mixing and conveying equipment shall be well cleaned, and the forms and space to be occupied by concrete shall be thoroughly cleaned and wetted. Ground water shall be removed until the completion of the work.
2. No concrete shall be placed in any unit of work until all formwork has been completely constructed, all reinforcement has been secured in place, all items to be built into concrete are in place, and form ties at construction joints tightened.
3. Concrete shall be conveyed from mixer to place of final deposit in such a way to prevent the separation or loss of ingredients. It shall be placed as nearly as practicable in its' final position to avoid rehandling or flowing. Concrete shall not be dropped freely where reinforcing bars will cause segregation, nor shall it be dropped freely more than six (6) feet. Use tremies, spouts and dump boxes in deep sections. Vibrators are not acceptable for facilitating concrete transport.
4. Concrete shall be tamped and spaded to insure proper compaction into all parts of forms and around reinforcement. A mechanical vibrator shall be used to thoroughly compact the concrete. Vibration must be by direct action in the concrete and not against forms or reinforcement. All expansion joints must be the full depth of the concrete section in which they are located.

B. Construction Joints / Expansion Joints: Construction joints and expansion joints shall be provided at locations and in the manner shown on the Drawings. With exception of existing concrete / new shotcrete joints, use PVC bulb-type waterstops appropriate for design condition between all concrete pours / lifts to avoid cold joints. Waterstops shall be placed in such a way to protect reinforcing steel from rust and oxidation.

C. Slab Finishes: Concrete slabs shall be compacted and screeded uniformly to grades shown. Push large aggregates below the surface with a screen tamper, screed and bull float. As soon as the surface becomes workable, it shall be wood floated, then troweled and finished with a medium broom uniform finish in a neat and workmanlike manner.

D. Protection and Curing:

1. Concrete shall be protected from injurious action of the elements and defacement of any nature during construction.
2. All forms must be kept wet to prevent drying out of the concrete.
3. All concrete surfaces including footings must be kept wet for at least seven (7) days after concrete is placed.
4. Apply the appropriate curing materials, as specified in 2.03 of this Section, immediately after finishing slabs. Application shall be as specified by the manufacturer.

E. Form Removal:

1. Take care in removing forms so that surfaces are not marred or gouged and that corners are true, sharp and unbroken.
2. No steel spreaders, ties or other metal shall project from or be visible on any concrete surfaces.

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- F. Defective Work:
1. Should the strength of any concrete for any portion of the work indicated by tests of molded cylinders and core tests fall below minimum 28 days strength specified or indicated, concrete will be deemed defective work and shall be replaced.
 2. Concrete work that is not formed as indicated, is not true to intended alignment, not plumb or level where so intended, not true to intended grades or elevations, not true to specified or selected finish, contains sawdust shavings, wood, or embedded debris, which exhibits cracks or contains fine or coarse sulfide particles, or expansive aggregates detrimental to performance or appearance of the concrete shall be deemed defective.
 3. Promptly perform work required to replace and properly clean (by sandblasting if necessary) any defective concrete panels (control joint or expansion joint to control joint or expansion joint), at Contractor's expense, including all expense of additional inspection, tests, or supervision made necessary as a result of defective concrete.

3.05 CLEAN-UP

- A. Upon completion of the Work of this Section, immediately remove all swimming pool concrete materials, debris and rubbish occasioned by this Work to the approval of the Owner's Representative.

END OF SECTION