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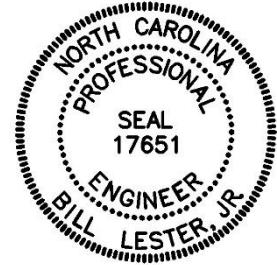
ADDENDUM NO. 1

TO: Prospective Bidders

FROM: Bill Lester, P.E. 
LKC Engineering, PLLC

PROJECT: Randolph County, NC
Uwharrie Pump Station & Force Main Improvements
Project Number: SRP-W-ARP-0205

DATE: October 27, 2023



Contractors' attention is brought to the following instructions and/or changes to the Bid Documents:

This addendum serves as minutes for the Pre-Bid Meeting and includes clarifications from the questions received regarding the project. The revisions and clarifications herein shall be incorporated into the contract documents and shall be considered to take precedence where noted.

1. Bid Form

The Bid Form for the project has been revised and the attached version should be used when submitted a bid for this project. The asphalt repair quantity has been revised to reflect the design conditions in the detailed plans.

- 2. Agreement Between Owner and Contractor for Construction Contract, Article 4.02** Under Section A, the time for substantial completion is being changed to **180** days and completion for final payment is to be within **210** days. The work for this project is to serve a school and the target date for project completion is July 2024.

3. Notice to Proceed

The Notice to Proceed is to be revised to show a substantial completion time of **180** days and a readiness for final payment time of **210** days.

4. 09900 – Painting and Coating Specifications

The specifications for Painting and Coating in the contract documents (Section 09900) will be completely replaced with the attached, updated set of Painting and Coating specifications.

5. SAM.gov Registration

All contractors and subcontractors will be required to be registered with SAM.gov and have an unexpired Unique Entity ID number. This will be required for the low bidder prior to award and all subcontractors must be registered prior to being approved to perform any work on the project.

6. Section 11200 – Article 2.2

The minimum design conditions for the submersible non-clog sewage pumps found in Section 11200, Article 2.2 are to be completely replaced with the following revised design conditions:

Uwharrie Charter School Sewer Lift Station – Pumps

Quantity	2 EA
Pump Design Point	210 gpm at 98' TDH
Maximum Speed	3,750 rpm
Minimum Efficiency	40% at Primary Design Point
Discharge Size	Must match drawing orientation
Minimum Solids Capability	3.0"
Maximum Driver Horsepower	16 HP
Motor Requirements	3 Phase, 240V
Pump Type	Single Channel Impeller
Acceptable Pump Manufacturers	KSB, Grundfos, Wilo, or Pre-Approved Equal

7. Uwharrie Charter School

The proposed project serves the Uwharrie Charter School and is located on and around the school's various access routes. At no time shall the work disrupt the traffic flow to and from the school. The contractor shall take precautions to limit working hours in the vicinity as required to minimize and mitigate disruptions.

8. Connection to Existing Klaussner Pump Station (City of Asheboro)

The Contractor shall contact Randolph County and the City of Asheboro prior to accessing and beginning any work on the Klaussner property, including connection to the existing utilities. The Contractor shall closely coordinate all activities with the City of Asheboro in this area including the testing of the proposed pump station that will discharge to this system.

9. Abandonment of Existing Pump Station

The Contractor shall abandon the existing station in accordance with the plans and documents. The controls, wiring and pump equipment shall be delivered to the Seagrove-Ulah WWTP located just behind Seagrove Town Hall at 798 NC Highway 705, Seagrove, NC 27341.

The bid opening remains scheduled for Thursday, November 2, 2023, at 2:00 pm.

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID FORM AND BY CONTACTING: Tanya Medlin at tanya@lkceengineering.com.

**SEAGROVE-ULAH METROPOLITAN WATER SERVICE DISTRICT
UWHARRIE PUMP STATION AND FORCE MAIN IMPROVEMENTS
NDEQ-DWI PROJECT NO. SRP-W-ARP-0205**

BID FORM

Item Description		Quantity	Unit	Unit Price	Extended Price
1.	Mobilization, Bonding, and Insurance. Cannot exceed 3% of total bid amount.	1		LS	
2.	6" PVC C900 DR18 Force Main	8,760	LF		
3.	6" R.J. D.I.P. Force Main	320	LF		
4.	8" SDR35 PVC Sanitary Sewer Main (6'-8')	20	LF		
5.	6" Ductile Iron 90-Degree Bend	5	EA		
6.	6" Ductile Iron 45-Degree Bend	8	EA		
7.	6" Ductile Iron 22.5-Degree Bend	2	EA		
8.	12" Steel Casing Installed by Bore and Jack	90	LF		
9.	Air / Vacuum Release Combination Valve Assembly	4	EA		
10.	4'-0" Diameter Doghouse Manhole (8'-10')	1	EA		
11.	Proposed 5'-0" Diameter Manhole (0' - 6')	1	EA		
12.	Remove and Relocate Existing Flow Meter	1	EA		
13.	Open Cut & Patch - Asphalt Driveway	380	SY		
14.	Gravel for Driveway Repair / Shoulder Repair	130	TNS		
15.	Clearing and Grubbing	2.0	AC		
16.	Seeding / Mulching Erosion Control	1		LS	
17.	Force Main Cleanup, Pressure Testing, and Sterilization	9,080	LF		
18.	Uwharrie Charter School Sewer Pump Station Site Demolition — includes demolition of existing wet well, existing control panel concrete pad, removal of existing bypass pump connection.	1		LS	
19.	Uwharrie Charter School Sewer Pump Station. Bid Item shall include new concrete structures, pumps, site piping, coating systems, fence repair where necessary, site gravel, and site restoration.	1		LS	
20.	Uwharrie Charter School Pump Station Electrical Improvements, includes removal and complete replacement of electrical controls, relocated standby generator and Automatic Transfer Switch	1		LS	
21.	Decommission and Abandonment of Existing 6" Force Main	1		LS	
22.	Site Cleanup and Restoration	1		LS	
TOTAL BID AMOUNT:					

SECTION 09900

PAINTINGS AND COATINGS

PART I - GENERAL

1.01 WORK INCLUDED

- A. The contractor shall furnish all materials, labor, equipment, and incidentals required to provide a protective coating system for the surfaces listed herein and not otherwise excluded.
- B. The scope of the painting in this project shall include the following, plus other items specifically referenced on the drawings:
 1. All Pump Station Concrete Wet Well – Contractor shall coat the entire interior (including the lid and invert portions) of the new concrete wet wells in accordance with Section 4.1
 2. All Pump Station Piping within Enclosed Wet well - Contractor shall coat all exposed piping and miscellaneous metals (not aluminum, stainless steel, or galvanized) within the new pump station wet wells in accordance with Section 4.2.
 3. All Pump Station Components - Contractor shall coat all non-submerged exposed piping and miscellaneous metals (not aluminum, stainless steel, or galvanized) within the new pump station valve vaults and all above ground components in accordance with Section 4.4. This includes new emergency bypass connections and piping to 12” below finished grade.
- C. Factory-applied coating systems. To the fullest extent possible, all factory-applied coating systems must be as specified herein or must be proven to be compatible with the field-applied systems. Documentation of system compatibility must be provided during the submittal phase for any material receiving a factory-applied coating system. Any surface delivered to the site with a coating system that does not meet this requirement must have the coating system completely removed and the coating system start over with the proper prime coat.
- D. The following items shall not be painted:
 1. Signs and nameplates. Including any code-requiring labels, such as Underwriters' Laboratories and Factory Mutual, or any equipment identification, performance rating, name or nomenclature plates.
 2. Any moving parts of operating units, mechanical and electrical parts, such as operators, linkages, sensing devices, motor and fan shafts, unless otherwise indicated.
 3. Aluminum components: (handrails, grating, access hatch, brackets, etc.)
 4. Stainless steel components: (angle, tubes, pipes, pipe supports, brackets, etc.)
 5. Flexible couplings and lubricated bearing surfaces.
 6. Products with polished chrome, aluminum, nickel, or stainless steel finish.

7. Plastic switch plates and receptacle plates.

1.02 REFERENCES

- A. SSPC - Steel Structures Painting Council.
- B. Metal Ladder Manufacturer's Association - Specification for Ladders and Scaffolds.
- C. UL Requirement for Ladders and Scaffolds.

1.03 QUALITY ASSURANCE

- A. Workmanship shall be performed by skilled workmen thoroughly trained in necessary crafts and completely familiar with specific requirements and methods specified herein. The complete labor force associated with the coating process shall be trained and vetted with the coating manufacturer for the particular type and method of application.
- B. All materials shall be produced by a single manufacturer. Total paint system shall be from one manufacturer and no cross coating allowed between primers and finish coats.

1.04 SUBMITTALS

- A. Submit manufacturer's printed literature and other data as required to certify compliance with requirements and systems specified herein.
- B. Colors to be selected by Architect/Engineer or Owner's Representative, and indicated on schedule.
- C. Samples:
 1. Samples of each finish and color shall be submitted to the Architect/Engineer for approval before any work is started.
 2. Such samples when approved in writing shall constitute a standard, as to color and finish only, for acceptance or rejection of the finish work.
 3. Rejected samples shall be resubmitted until approved.
- D. VOC Requirements: Submit manufacturer's certification that paints and coatings comply with Federal, State, and Local, whichever is more stringent, requirements for VOC (Volatile Organic Compound).

1.05 DELIVERY, HANDLING AND STORAGE

- A. Deliver all material to site in original, new, unopened containers, labeled and bearing manufacturer's name and stock number, product and brand name, contents by volume for major constituents, instructions for mixing and reducing, and application instruction.
- B. Provide adequate storage facilities designed exclusively for the purpose of paint storage and mixing. Facility area shall be located away from open flames, be well ventilated, and be capable of maintaining ambient storage temperature of no less than 45 degrees F.

- C. Paint, coatings, reducing agents, and other solvents must be stored in original containers until opened; if not resealable, then must be transferred to UL approved safety containers. Provide proper ventilation, personal protection and fire protection for storage and use of same.
- D. Comply with requirements set forth by Occupational Safety and Health Act, OSHA, for storage and use of painting materials and equipment.

1.06 EXTRA STOCK

- A. Upon completion of work, provide owner with at least one gallon of each type and color of product used.
- B. Containers shall be tightly sealed and clearly labeled for identification.

PART 2 - PRODUCTS

2.01 ACCEPTABLE SYSTEMS AND MANUFACTURERS

- A. General: Paint products/systems specified are not intended to limit competition, but to establish a standard of quality desired. The owner will consider equivalent systems by other manufacturers.

2.02 MATERIALS

- A. Equivalent materials of other manufacturers may be substituted on approval of the Owner's Representative. Request for substitution shall include manufacturer's literature for each product giving name, generic type, descriptive information, performance and test data, and evidence of satisfactory past performance. No request for substitution shall be considered that would decrease film thickness and/or number of coats or offer a change in the generic type of coating specified.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Thoroughly examine surface scheduled to be painted prior to commencing work. Report in writing to the Owner's Representative any condition that may affect proper application and overall performance of coating system. Do not proceed with work until such conditions have been corrected. Commencing with work indicates acceptance of existing conditions and for responsibility for performance of applied coating.
- B. A NACE Level 3 Certified technical representative from the paint manufacturer shall visit the job site and to support the Contractor's personnel or the Owner as needed and/or requested. Visits shall be made on a weekly basis as a minimum or as needed to review hold points for the Owner. Additional visit shall be made as needed and/or requested by Owner or Contractor. 48 hours' notice is required by the Contractor for each hold point inspection.

3.02 PROTECTION

- A. Extreme diligence shall be taken to ensure that vehicles, equipment, hardware, fixtures, materials, etc., are protected against paint spillage, overspray, etc. Such damages shall be corrected at no expense to Owner.
- B. Surfaces not to be coated shall be masked, removed, or otherwise covered to protect against cleaning and coating application procedures and weather. Drop cloths shall be used to protect floor, walls, machinery, equipment, and previously coated surfaces.
- C. Exercise care in erecting, bracing, handling, and dismantling staging and scaffolding, to avoid scratching or damaging walls, floors, equipment, etc.

3.03 SURFACE PREPARATION

- A. Perform preparation and cleaning procedures in strict accordance with manufacturer's instructions for each substrate condition.
- B. Ferrous metals (structural steel and miscellaneous metals) requiring shop or field priming shall be prepared as listed in PART 4 "Coating System Schedule" specified herein and listed for each individual coating system. All metal surfaces shall be cleaned prior to sandblasting to remove oil and grease present by following methods and procedures outlined in SSPC-SP1 Solvent Cleaning.
- C. Surface preparation for field touch-up of ferrous metals shop-primed shall be as follows:
 - 1. Immersion - Remove all oil, grease, dirt, dust and foreign matter from the surface. Weld slag, weld spatter, rough edges and sharp corners of weld seams shall be ground smooth. All rusted, abraded and unpainted areas shall be blast cleaned to a Near-White Finish as outlined in Steel Structures Painting Council's Specification SP-10.
 - 2. Non-Immersion - Remove all oil, grease, dirt, dust and foreign matter from the surface. Follow cleaning with Steel Structures Painting Council's Specification SP-3 Power Tool cleaning.
- D. Galvanized metals requiring paint (only as directed by Owner's Representative) shall be cleaned by removing all oil, grease, dirt, dust and foreign matter by solvent cleaning as listed in Part 4 coating system scheduling, prior to applying any finish.
- E. Concrete and concrete masonry surfaces shall be cleaned and free of oils, laitance, dust, dirt, loose mortar, and excess moisture. Structural cracks and defects shall be repaired. All surfaces must be completely dry prior to applying any coatings/paint.

3.04 TOUCH-UP OF SHOP APPLIED COATINGS

- A. All shop applied coatings with specified primer as listed in PART 4 "Coating System Schedule" shall be touched up with same primer before any topcoat(s) are applied.
- B. Any surface delivered to the site with a shop applied coating system that does not meet this requirement must have the coating system completely removed and the coating system start over with the proper prime coat.

3.05 APPLICATION

- A. No paint shall be applied when surrounding air temperature, as measured in the shade, is below 45 degrees F. No paint shall be applied when the temperature of the surface to be painted is below 40 degrees F. Paint shall not be applied to wet or damp surfaces, and shall not be applied in rain, snow, fog or mist, or when the relative humidity exceeds 85%. Paint shall not be applied when the substrate temperature is within 5 degrees of the dewpoint. Paint manufacturer's temperature guidelines must be followed.
- B. No paint shall be applied when it is expected that the relative humidity will exceed 85% or that the air temperature will drop below 45 degrees F within 4 hours after the application of the paint.
- C. Maintain proper ventilation in area of work to alleviate volatile solvents evaporating from coating materials.
- D. All ingredients in any container of the coating materials shall be thoroughly mixed and shall be agitated often enough during application to keep the pigment suspended.
- E. Should thinning be required use only the amounts specified by the coating manufacturer.
- F. Application of coating shall be by brush, roller, mitt, or spray and in accordance with manufacturer's recommendations. All material shall be evenly applied to form a smooth, continuous, unbroken coating. Drips, runs, sags, or pinholes shall not be acceptable.
- G. Provide proper application equipment, including ladders, scaffolding, masking materials, and tools to perform work. Ladders and scaffolding shall meet or exceed UL requirements and Metal Ladder Manufacturer's Association.
- H. Meet all requirements set forth by Occupational Safety and Health Act, OSHA, for confined space.
- I. An additional brush or roller applied stripe coat of epoxy shall be applied to all sharp angles edges, weld seams, nuts, bolts, flanges etc.
- J. Follow manufacturer's detail application guide for termination of coating on concrete surfaces and liner applications.

3.06 SYSTEM INSPECTION AND TESTING

- A. After application of each coating in the specified system and its surface has cured, measure its thickness with a properly calibrated Nordson Microtest Dry Film Thickness Gauge, or equivalent. Follow standard method for measurement of dry paint thickness with magnetic gauges as outlined in Steel Structures Painting Council's SSPC-PA2
- B. Make as many determinations as needed to ensure the specified thickness values in each typical area. To all surfaces having less dry film thickness than specified, apply additional coat(s) at no extra cost to Owner to bring thickness up to specifications.
- C. Structural metals in immersion service that receive a protective coating system shall be checked with a non-destructive holiday detector that shall not exceed 67 1/2 volts. All

- pinholes or defects shall be repaired in accordance with manufacturer's printed recommendations and then retested.
- D. Masonry, drywall, or other non-metallic surfaces shall be continuously checked with wet-film thickness gauges during application to ensure proper dry film thickness will be attained. Also, square feet coverage needs to be monitored to verify proper coverage rates.
 - E. Painting contractor shall permit Owner's Representative and/or paint & coating manufacturer (as requested by owner) to inspect his work for conformance to this specification. Owner reserves the right to reject all work that does not comply with this specification.

3.07 QUALITY ASSURANCE

- A. General: Quality assurance procedures and practices shall be utilized to monitor all phases of surface preparation, application, and inspection throughout the duration of the project. Procedures or practices not specifically defined herein may be utilized provided they meet recognized and accepted professional standards and are approved by the Owner.
- B. Surface Preparation: Surface preparation will be based upon comparison with: "Pictorial Surface Preparation Standards for Painting Steel Surfaces", SSPC Vis 1 and ASTM Designation D2200; "Standard Methods of Evaluating Degree of Rusting on Painted Steel Surfaces" SSPC Vis 2 and ASTM Designation D610; "Visual Standard for Surfaces of New Steel Airblast Cleaned with Sand Abrasive" or "Guideline for Selecting and Specifying Concrete Surface Preparation for Sealers, Coating and Polymer Overlays" and ICRI CSP Surface Profile Chips.
- C. Application: No coating or paint shall be applied: When the surrounding air temperature or the temperature of the surface to be coated is below the minimum required temperature for the specified product; to wet or damp surfaces or in fog or mist; when the temperature is less than 5 degrees F. above the dewpoint; when the air temperature is expected to drop below 40 degrees F. within six hours after application of coating. Dewpoint shall be measured by use of an instrument such as a Sling Psychrometer in conjunction with U.S. Department of Commerce Weather Bureau Psychrometric Tables. If above conditions are prevalent, coating or painting shall be delayed or postponed until conditions are favorable. The day's coating or painting shall be completed in time to permit the film sufficient drying time prior to damage by atmospheric conditions.
- D. Thickness and Holiday Checking: Thickness of coatings and paint shall be checked with a non destructive, magnetic type thickness gauge. The integrity of coated interior surfaces shall be tested with an approved inspection device. Non destructive holiday detectors shall not exceed the voltage recommended by the manufacturer of the coating system. For thicknesses between 10 and 20 mils (250 microns and 500 microns), a non-sudsing type wetting agent, such as Kodak Photo Flo, may be added to the water prior to wetting the detector sponge. All pinholes shall be marked, repaired in accordance with the manufacturer's printed recommendations, and retested. No pinholes or other irregularities will be permitted in the final coating.
- E. Inspection Devices: The Contractor shall furnish, until final acceptance of coating and painting, inspection devices in good working condition for detection of holidays and measurement of dry film thickness of coating and paint. The Contractor shall also furnish U.S. Department of Commerce; National Bureau of Standard certified thickness calibration

- plates to test accuracy of dry film thickness gauges and certified instrumentation to test accuracy of holiday detectors.
- F. All necessary testing equipment shall be made available for the Owner's use at all times until final acceptance of application. Holiday detection devices shall be operated in the presence of the Owner.
 - G. All parties, to include the Owner or Owners representative, Engineer, general contractor, applicator, installer, any subs and the product manufacture, shall meet prior to any work is started to review the spec and discuss job specific expectations, need and requirements

3.08 CLEAN-UP

- A. Upon completion, painting contractor shall clean up and remove from site all surplus materials, tools, appliances, empty cans, cartons, and rubbish resulting from painting work. Site shall be left in neat, orderly condition.
- B. Remove all protective drop cloths and masking from surfaces not being painted. Provide touch-up around same areas as directed by Owner's Representative.
- C. Remove all misplaced paint splatters or drippings resulting from this work.

PART 4 - COATING SYSTEM SCHEDULE

The coating systems described below provide the quality and performance standard for each surface. Equal coating systems are acceptable as long as the submitted produce meets or exceeds the performance and quality standards of the coating systems below.

4.1. HIGH H2S RESISTANT COATINGS FOR CONCRETE WET WELL & MANHOLES: (125+ Mil Epoxy Mortar)

Surface Preparation of Concrete (New or Existing): Remove any existing coatings and mechanically abrade or abrasive blast clean in accordance with SSPC-SP13/NACE 6 to achieve a minimum ICRI CSP-5 surface profile. (Reference SSPC-Guide No.11 & ICRI Technical Guidelines 03732). Surface must be clean and dry prior to painting.

Skim Coat Concrete (New or Existing): The concrete shall be skim coated to fill all bugholes, voids, and surface irregularities not exceeding ¼"- ½" inch to provide a smooth and even finish. (Perfromace equal to Tnemec Series 218 Mortar Clad or Sherwin Willaims Duraplate 2300)

Cementitious Resurfacer (Existing Concrete Only): Apply Cementitious Repair Mortar where thickness greater than ½" inch restoration is required. Maximum thickness is 2" per lift. Use edge conditioning method described by the manufacturer's application guide. (Performance equal to Tnemec Series 217 MortarCrete or Sherwin Willaims AW Cook MSM)

1st Coat: 100% Solids Aliphatic amine epoxy mortar applied at 100.0 -125.0 mils.
(Performance equal to Tnemec Series 434 Perma-Shield H2S or Sherwin Williams or Sherwin Williams Duraplate 6000)

2nd Coat: 100% Solids Polyamine epoxy applied at 15.0 - 20.0 mils.
(Performance equal to Tnemec Series 435 Perma-Glaze or Sherwin Williams Duraplate 6000)

Note: Follow manufactuers recommendations on terminations, penetrations, joint details etc.

4.2. HIGH H2S RESISTANT COATINGS FOR STEEL PIPE IN WET WELL (Enclosed Environment):

Surface Preparation of Steel (New or Existing): SSPC-SP 5/NACE 1 White Metal Blast Cleaning and achieve a minimum 3.0 mil anchor profile.

Prime Coat: Polyamidoamine Epoxy applied at 4.0 – 6.0 dry mils.
(Performance equal to Tnemec Series N69 Hi-Build Epoxline II or Sherwin Williams Macropoxy 5500)

1st Coat: 100% Solids Polyamine epoxy applied at 15.0 - 20.0 mils.
(Performance equal to Tnemec Series 435 Perma-Glaze or Sherwin Williams Duraplate 6000)

2nd Coat: 100% Solids Polyamine epoxy applied at 15.0 - 20.0 mils.
(Performance equal to Tnemec Series 435 Perma-Glaze or Sherwin Williams Duraplate 6000)

4.3. EXPOSED STEEL COMPONENTS AND D.I. PIPING IN SUBMERGED WASTEWATER

Surface Preparation: SSPC-SP 10/NACE 2 Near-White Metal Blast Cleaning to achieve a minimum 2.0 mil anchor profile.

Prime Coat: Modified Aromatic Polyurethane Primer applied at 2.5-3.5 dry mils.
(Performance equal to Tnemec Series 1 Omithane or Sherwin Williams Corothane 1 Galapac Zinc)

Stripe Coat: Cycloaliphatic Amine Epoxy applied at 4.0-6.0 dry mils.
(Performance equal to Tnemec Series 104 H.S. Epoxy or Sherwin Williams Sherglass FF)

1st Coat: Cycloaliphatic Amine Epoxy applied at 8.0-10 dry mils.
(Performance equal to Tnemec Series 104 H.S. Epoxy or Sherwin Williams Sherglass FF)

2nd Coat: Cycloaliphatic Amine Epoxy applied at 8.0-10.0 dry mils.
(Performance equal to Tnemec Series 104 H.S. Epoxy or Sherwin Williams Sherglass FF)

4.4. EXPOSED STEEL COMPONENTS AND D.I. PIPING IN NON-SUBMERGED WASTEWATER

Surface Preparation: SSPC-SP 6/NACE 3 Commercial Blast Cleaning to achieve a minimum 2.0 mil anchor profile.

Prime Coat: Modified Aromatic Polyurethane Primer applied at 2.5-3.5 dry mils.
(Performance equal to Tnemec Series 1 Omithane or Sherwin Williams Corothane 1 Galapac Zinc)

1st Coat: Cycloaliphatic Amine Epoxy applied at 8.0-10.0 dry mils.
(Performance equal to Tnemec Series 104 H.S. Epoxy or Sherwin Williams Macropoxy 646)

UV Resistant Topcoat: Acrylic Aliphatic Polyurethane applied at 2.0 – 3.0 dry mils.
(Performance equal to Tnemec Series 73U Endura-Shield or Sherwin Williams Hi Solids Poly)
Exterior exposed surfaces only

4.5. EXTERIOR/INTERIOR CONCRETE REHAB – FLUMES, LAUNDERS, CHANNELS, ETC.

Surface Preparation: SSPC SP13/NACE 6 Surface Preparation of Concrete, ICRI CSP 5.
Surface must be clean and dry.

Surfacer Coat: Cementitious / Epoxy Modified Filler and Resurfacer applied as required to provide a smooth, uniform, and even finish.

(Performance equal to Tnemec Series 215/217/218 MortarClad or Sherwin Williams Durplate from skim coat to ½” maximum depth. AW Cook MSM from 1/2” min to 2” maximum depth per lift)

1st Coat: Cycloaliphatic Amine Epoxy applied at 8.0-10.0 dry mils.
(Performance equal to Tnemec Series 104 H.S. Epoxy or Sherwin Williams Macropoxy 646)

2nd Coat: Cycloaliphatic Amine Epoxy applied at 8.0-10.0 dry mils.
(Performance equal to Tnemec Series 104 H.S. Epoxy or Sherwin Williams Macropoxy 646)

3rd Coat: Cycloaliphatic Amine Epoxy, see below for dry mil thickness.
(Performance equal to Tnemec Series 291 CRU at 2.0-3.0 dry mils. or Sherwin Williams Sherloxane 800 at 4.0 - 6.0 mils)

4.6. COLOR SYSTEM MATERIAL IDENTIFICATION

Color options shall be submitted to Engineer and Owner with the applicable painting or coating submittal.