

MSA

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ADDENDUM NUMBER 1

ISSUE DATE: SEPTEMBER 18, 2017

PROJECT:

**ST. PAUL CATHOLIC CHURCH PARISH LIFE CENTER
POCAHONTAS, ARKANSAS**

OWNER:

ST. PAUL CATHOLIC CHURCH

TO: PROSPECTIVE BIDDERS

Please review items noted in this addendum. This addendum forms a part of the contract documents and modifies the bidding documents as indicated below.

GENERAL

1. The bid date has been changed to Tuesday, September, 26th 2017. Time and location will remain the same.
2. Rubber Wall Base indicated on Room Finish Schedule, Sheet A-4.1 and other drawings shall be equal to as follows:
 - a. Type TS rubber, vulcanized thermoset, coved meeting requirements of ASTM F-1861, ASTM F-137, ASTM-F1515, ASTM E648 / NFPA 253, ASTM E 648 / NFPA 253, ASTM E 84 / NFPA 255 and ASTM F 925..
 - b. Height: 4 inches.
 - c. Thickness: 0.125 inch thick.
 - d. Finish: Matte.
 - e. Length: Roll – no lengths less than 96 inches unless length of wall is less than 96 inches.
 - f. Adhesive: As recommended by manufacturer.
 - g. Color: Color as selected from manufacturer's standards by the Architect.
 - h. Manufacturers:
 - i. Johnsonite, Inc: www.johnsonite.com.
 - ii. Roppe Corp: www.roppe.com.
 - iii. Substitutions: See Section 01600 - Product Requirements.
 - i. Install in accordance with manufacturer's instructions.
3. Masonry items indicated on the drawings at the following locations shall be as follows:
 - a. Top Course of Chiseled Stone: Shall remain as indicated (6" deep x 12" high x 24" long)

smooth, burnished unit with chamfered front edge. The face, exposed ends and chamfer to be burnished. Contact Brian Woods with Nettleton Concrete located in Jonesboro, Arkansas for pricing.

- b. Chiseled Units around Medallions: Provide 8" deep x 8" high x 4" long chiseled units. Contact Brian Woods with Nettleton Concrete located in Jonesboro, Arkansas for pricing.
- c. At Arched Windows as follows:
 - i. Units to form arch at arched window to be field cut from 4" deep x 12" high x 24" long chiseled units.
 - ii. Provide a smooth precast keystone at the center / top of each arched window. Approximate dimensions shall be 10" tall with a bottom dimension of 5" and a top dimension of 10". Perimeter edges to be chamfered.
 - iii. Window Sills: Provide precast sills as follows:
 1. Length: match window width of approximately 48 inches.
 2. Front Height: 5 inches.
 3. Rear Height: 5-5/8 inches.
 4. Depth: 5-1/2 inches
 5. Flat dimension at top of unit from rear face: 1 inch.
4. Quality Precast Corporation of Jonesboro, Arkansas is an approved supplier / manufacturer of all project related precast.
5. Electrical and Gas Service: The owner shall be responsible for providing electrical and gas service to the building. The contractor shall be responsible for extending outside of the building as required for service connections from utility companies.
6. 15 mil vapor barrier under slab shall be equal to:
 - a. Manufacturer: Stego Industries, LLC.
 - b. Product: Stego Wrap Vapor Barrier (15 mil).
 - c. Accessories: Provide manufacturer tape and mastic for sealing around penetrations.
 - d. Installation: install in accordance with manufacturer's instructions.
7. Oak Trim shall be as follows:
 - a. Species: Northern Red Oak.
 - b. Grade: C Select.
 - c. Jointing: Make joints to conceal shrinkage by mitering exterior joints, mitering or scarfing end-to-end joints, and coping interior joints. Make saw cuts straight and clean. Make tight fits without gaps. Make splices tight and staggered (never side by side). Align and exactly match miter joints at edges and corners.
 - d. Finishing: Where sanding of new materials is required, sand with grain to totally smooth, unblemished surface. Set finish nails before painting or staining. Provide matching putty to conceal finish nails.

CIVIL

1. Substitute the revised C-1.2 Grading Plan with a revision date of 09-01-17 which clarifies modified grading.

ARCHITECTURAL

1. Refer to Sheet A-4.1, Room Finish Schedule – Main Level:
 - a. Disregard Room 122 - Janitor. There is not a room 122.

STRUCTURAL

1. Refer to Sheet S-1.0, Cast-in-Place Concrete, Note 5: Change the maximum percentage of Flyash content from 20% to 10%.

MECHANICAL

1. Refer to Sheet M-2.1, Rooftop Heat Pump Unit Schedule. Delete in Note 1 the phrase “Provide hot gas reheat for both RTU’s.” and replace with “Provide CO2 control on each unit. Provide CO2 sensors at locations indicated on the plans.”

ELECTRICAL

1. Refer to Sheet E-0.1, Electrical Legend, last two symbols.
 - a. The soft switch relay module shall be equal to Lutron # RMJ-16R-DV-B.
 - b. The 0-10V dimming module shall be equal to Lutron RMJ-5T-DV-B.

SPECIFICATIONS

1. Section 01210 – Allowances:
 - a. Add Paragraph C as follows:
 - i. Brick Masonry Units as described in Section 04210 shall have an allowance of \$550.00 per 1000 units.
2. Add Section 03350 – Polished Concrete Finishing – included with this addendum.
3. Section 00433 – Supplement B – list of Alternatives.
 - a. Include attached Supplement B Form with bid.
4. Section 01230 – Alternatives:
 - a. See attached specification document for requirements.
5. Section 07410 – Metal Roof Panels: Refer to Part 1, 1.04 Quality Assurance, Paragraph D.
 - a. American Compliance is not a requirement of this project however the Owners and I are proud to be American citizens and advocates for buying American when possible.
6. Section 09680 – Carpet:
 - a. Installation: The intent of the installation methods specified is to comply with the manufacturer’s recommended practices and installation techniques. Hand sewing of seams is not a requirement if not recommended by the manufacturer or the norm for the type of carpet specified.
7. Section 15732 - Packaged, Outdoor , Central-Station Air-Handling Units:
 - a. Refer to 2.5 – Refrigerant Circuit Components: Delete paragraph “C” requiring hot gas reheat.

END OF ADDENDUM NO. 1

SECTION 00433

SUPPLEMENT B - LIST OF ALTERNATIVES

PARTICULARS

The following is the list of Alternatives referenced in the bid submitted by:

Bidder: _____

To Owner: ST. PAUL CATHOLIC CHURCH

Dated _____ and which is an integral part of the Bid Form.

The following amounts shall be added to or deducted from the Bid Amount. Refer to Section 01230 - Alternatives: Schedule of Alternatives.

ALTERNATIVES LIST

Alternative No. 1 (Deduct) _____

Alternative No. 2 (Deduct) _____

Alternative No. 3 (Deduct) _____

Alternative No. 4 (Deduct) _____

END OF SUPPLEMENT B

SECTION 01230**ALTERNATIVES****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Description of Alternates.
- B. Procedure for pricing alternates.

1.02 RELATED REQUIREMENTS

- A. Document 00200 - Instructions to Bidders: Instructions for preparation of pricing for alternatives.
- B. Document 00433 - Supplement B - Alternatives: List of alternatives as supplement to Bid Form.
- C. Document 00500 - Agreement: Incorporating monetary value of accepted alternatives.

1.03 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at the Owner's option. Accepted alternates will be identified in the Owner-Contractor Agreement.

1.04 ALTERNATIVE SCHEDULE

- A. Alternative no. 1:
 - 1. Deduct all site demolition, fill, grading and erosion control items.
 - a) Base Bid Item: Include in contract.
 - b) Alternative item: Provide lump sum price for omitting from contract.
- B. Alternative no. 2:
 - 1. Deduct all Curbs, crushed stone and asphalt paving from contract.
 - a) Base Bid Item: Include in contract.
 - b) Alternative item: Provide lump sum price for omitting from contract.
- C. Alternative no.3:
 - 1. Deduct all utilities and utility work as follows from contract.
 - a) Sanitary Sewer: Omit portion of line south of double cleanout to grade located west of new southern sidewalk to manhole.
 - b) New Domestic Water Service: Contract to include all components east of western sidewalk to the building. Deduct shall include all remaining components beyond two feet of western sidewalk away and outside of the building.
 - c) New Fire Protection Water Line: Contract to include all components east of western sidewalk to the building. Deduct shall include all remaining components beyond two feet of western sidewalk away and outside of the building.
 - d) Deduct drainage inlets and culverts at drive entrances.
 - e) Base Bid Item: Include in contract.
 - f) Alternative item: Provide lump sum price for omitting from contract.

D. Alternative no. 4:

1. Deduct all seeding and sodding from the contract.

a) Base Bid Item: Include in contract.

b) Alternative item: Provide lump sum price for omitting from contract.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 03350**POLISHED CONCRETE FINISHING****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Polished concrete finish in accordance with specified concept for polishing concrete.
- B. All labor, material, equipment and services necessary for the diamond grinding and polishing of concrete floors in accordance with the specified concept.
- C. Applying densifying impregnator/sealer and polishing to specified sheen level and aggregate exposure.

1.02 REFERENCES

- A. American Concrete Institute (ACI):
 - 1. ACI 117 - Standard Specifications for Tolerances for Concrete Construction and Materials; American Concrete Institute.
 - 2. ACI 301 – Specifications for Structural Concrete for Buildings; American Concrete Institute.
 - 3. ACI 302.1R – Guide for Concrete Floor and Slab Construction; American Concrete Institute.
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM C 779 - Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces, procedure A.
 - 2. ASTM E 1155 - Standard Test Method for Determining F (F) Floor Flatness and F(L) Floor Levelness Numbers; 1996.
 - 3. ASTM 1028 – Coefficient of Friction.
 - 4. ASTM C 805 – Impact Strength.
 - 5. ASTM G 23-81 – Ultraviolet Light & Water Spray.
 - 6. ASTM C 150 – Type I, II Portland Cement Conformity, depending on soil conditions.
 - 7. ASTM C 33 – Aggregate Conformity.

1.03 SUBMITTALS

- A. Prior to commencement of work submit all product data sheets for concrete densifiers/hardeners, grinding equipment, vacuum systems, joint fillers and diamond tooling to be used.
- B. Installation contractor's qualification history/data.
- C. Manufacturer's Certification – Provide a letter of certification from product manufacturer(s) stating that the installer is a certified applicator and is familiar with the proper procedures, surface preparations and installation requirements recommended by the manufacturer(s).

- D. Samples: Prior to commencement of work provide 10" x 10" finished samples for the Owner's review.
- E. Provide maintenance procedures using the V-Harr® Diamond cleaning system for the polished concrete floor to the Owner's Representative.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Installer shall be an established company regularly engaged in the installation of polished concrete floor system with a minimum of five (5) years experience. Contractor shall furnish documentation regarding the successful completion of projects of similar magnitude and complexity.
- B. Single Source Responsibility: All required materials and installation personnel to be provided by the installing contractor.
- C. Pre-pour Meeting: The contractor shall conduct an onsite meeting before the pour/placement of the concrete slab related to this section with the Owners Representative, concrete finishing contractor and concrete polishing contractor to review requirements necessary for a successful polished floor surface.
- D. Pre-installation Meeting: The Contractor shall conduct an onsite pre-installation meeting with the Owner in which the written floor finishing plan is reviewed. Pre-installation meeting shall include a walk down of the floor to review the condition of the floor and to determine surface preparation requirements. Additional topics of discussion shall include:
 - 1. Floor surface preparation, cleaning, and protection.
 - 2. Previous products applied to concrete floors, including curing compounds.
 - 3. Application means and methods, including equipment to be used.
 - 4. Sequence of installation.
 - 5. Location of sample finished area.
 - 6. Desired sheen and appearance of the finished floor.
 - 7. Acceptability of finished slab and/or deficiencies of finished slab and associated remedies.

1.05 PROJECT / SITE CONDITIONS

- A. Floor areas to be polished are to be free and clear of all obstacles including racking, fixtures and temporary equipment and materials in order to provide an open and uninhibited concrete slab.
- B. Any anchoring bolts, cut off conduit and other associated items removed in a demolition process need to be removed or recessed a minimum of ¼" below lowest surrounding point of the concrete floor surface.
- C. All previous flooring materials such as tile, carpet and wood flooring and associated adhesives are to be removed prior to the installation of the polished concrete flooring. Caution needs to be taken to ensure that no damage to the concrete floor takes place since the slab will be the finish product.

- D. A minimum of 28 days of cure on new concrete should be provided before system installation is initiated.
- E. Protection: General Contractor shall protect areas to receive polished concrete finish at all times during construction to prevent oils, dirt, metal, excessive water and other potentially damaging materials from affecting the finished concrete surface. Protection measures listed below shall begin immediately after the concrete slab is poured:
 - 1. Protect from all petroleum stains during construction.
 - 2. Diaper all hydraulic powered equipment.
 - 3. Do not park vehicles on inside slab.
 - 4. No pipe cutting machines will be used on inside floor slab.
 - 5. Do not place reinforcing steel on interior slab, to avoid rust stains.
 - 6. Do not use acids or acidic detergents on slab.
 - 7. Inform all trades that the slab is to be protected at all times.
 - 8. No skids are to remain in contact with floor surface for an extended period of time.

1.06 MOCK-UP

- A. Install a completed 10'x 10' sample of the proposed system at location determined by the Owner's Representative. If approved by owner or owner's representative, the mock-up may be incorporated into the work. If a special concrete slab is placed for installation of sample, it must meet the same specification as the project's flatwork requirements for the polished concrete floor areas.
- B. Equipment, tooling and products used are to be the same throughout the entire project.

1.07 WARRANTY

- A. The installer shall furnish a SINGLE SOURCE warranty for their system for a period of one year minimum.

1.08 ENVIRONMENTAL LIMITATIONS

- A. Comply with manufacturers' written instructions for substrate temperature and moisture content, ambient temperature and humidity, ventilation and other conditions affecting chemical performance.
- B. Flatness and levelness:
 - 1. Finish Concrete shall have a minimum Floor Flatness rating of at least 40.
 - 2. Finish Concrete shall have a minimum Floor Levelness rating of at least 30.
 - 3. Finish Concrete shall be cured a minimum of 28 days or at which point equipment can be put on the slab and does not displace aggregate.
- C. Application of finish system shall take place a minimum of 21 days prior to fixture and trim installation and/or substantial completion.
- D. Finish Concrete area shall be closed to traffic during finish floor application and after application, for the time as recommended by manufacturer.

1.09 CONCRETE MIX DESIGN

A. Mix Design:

1. Minimum concrete compressive strength should be 3,500 psi.
2. Normal Weight concrete, No light weight aggregate.
3. Maximum fly-ash of 10%.
4. Non-Air entrained.
5. Natural Concrete slump of 4 ½ to 5", Admixtures may be used.
6. Flatness requirements:
 - a. Overall Ff 40
 - b. Local Ff 20
 - c. Overall FL not required
 - d. Local FL not required
7. Tight Hard Troweled (three passes) concrete. No burn marks.
Reference ACI 302.1R, class 5 or class 6 floor.
8. Curing Options: No acrylic curing and sealing compounds.
 - a. ASTM C 309 Membrane forming curing compound.
 - b. ASTM C 171 Sheet membrane
 - c. Damp curing, seven-day cure

PART 2 PRODUCTS**2.01 ACCEPTABLE MANUFACTURERS / PRODUCTS**

- A. LAVINA: Grinders.
 1. 3 or 6 head grinder with a minimum of 300 pounds of down pressure.
- B. LAVINA: Dust extraction.
 1. Dust extraction system for above grinders incorporating HEPA filter(s) capable of containing airborne dust.
- C. Hand or Edge Grinders: Provide dust extraction or dust suppression attachment.
- D. Grinding Heads – Approved Diamond Grit:
 1. Metal Bonded Diamonds: 30, 70, 120 grit.
 2. Hybrid bonded diamonds: 50, 100 grit.
 3. Resin bonded diamonds: 200, 400, 800 grit.
 4. V-Har Diamonds: 800, 1800 grit.
- E. High Speed Burnisher: Minimum 27 inch head generating 2,200 rpm.
- F. Prosoco: Penetrating liquid hardener / densifier – LS/CS Lithium Densifier..
- G. Metzger McGuire: RS/88 semi-rigid joint filler.
- H. Decorative Dyes: equal to Ameripolish Decorative Dyes or H&C Concrete Dye.
- I. Prosoco: LS Guard.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Verification of Conditions: Examine surfaces scheduled to receive the work of this section for defects that will adversely affect the execution and quality of the work. Do not proceed until unsatisfactory conditions are corrected. Provide in writing to Owner a list of the conditions.
- B. New Concrete: Confirm that a minimum of 28 days has elapsed before installation can begin. Also confirm if curing agents or hardening agents have been applied.**3.02**

3.02 PREPARATION

- A. Cleaning and Preparation:
 - 1. Remove paint droppings by scraping, solvent stripper, and damp cloth. Do not use stripper with acidic pH.
 - 2. Remove oil spots with emulsifier and oil absorbent material followed by detail scrub with high pH detergent.
 - 3. Scrub floor with automatic scrubber capable equipped with soft brushes or pads. Use proper dilution of pH neutral detergent.
 - 4. Clean the floor completely of materials and debris.
 - 5. Protect adjacent surfaces as required to prevent damage by the concrete polishing procedure.
 - 6. Set up grinding machine, dust extraction system, tooling and, if necessary, generator.

3.03 POLISHING

- A. Follow the polishing guidelines listed below for floor surfaces that meet the Minimum Local Value Flatness and Levelness tolerances and surface finish specified – Salt and Pepper Aggregate with a Medium Gloss finish.
 - 1. Thoroughly clean the floor surface as specified in Section 3.02.
 - 2. Start the process with a 70 grit metal bonded diamond pass or lower until a uniform scratch pattern is developed. If a 30 grit is used, it will need to be followed by the 70 grit. Vacuum the floor thoroughly using squeegee vacuum attachment.
 - 3. Continue the process with 100 grit HD3 bonded diamond pass. Vacuum the floor thoroughly using squeegee vacuum attachment.
 - 4. Install penetrating densifier as per manufacturer's recommendation.
 - 5. Continue the process with a 200 grit resin bonded diamond pass. Vacuum the floor thoroughly using squeegee vacuum attachment.
 - 6. Continue polishing with a 400 grit resin bonded diamond pass. Vacuum the floor thoroughly using squeegee vacuum attachment.
 - 7. Continue polishing in succession with each resin diamond pass as listed below to progressively polish the floor slab to the desired level. Vacuum the floor thoroughly using squeegee vacuum attachment between each step.
 - a) 800 grit resin bonded diamonds – low gloss.
 - b) 1800 grit V-Harr bonded diamonds – medium gloss.
 - 8. Apply a sealer surface treatment. Use of microfiber applicator required.

9. High speed burnish with a heat pad to complete the floor finish.

3.04 CLEANUP

- A. Dispose of used materials in accordance with local regulations. Concrete dust collected from the installation of the system shall be the responsibility of the originator of the work.

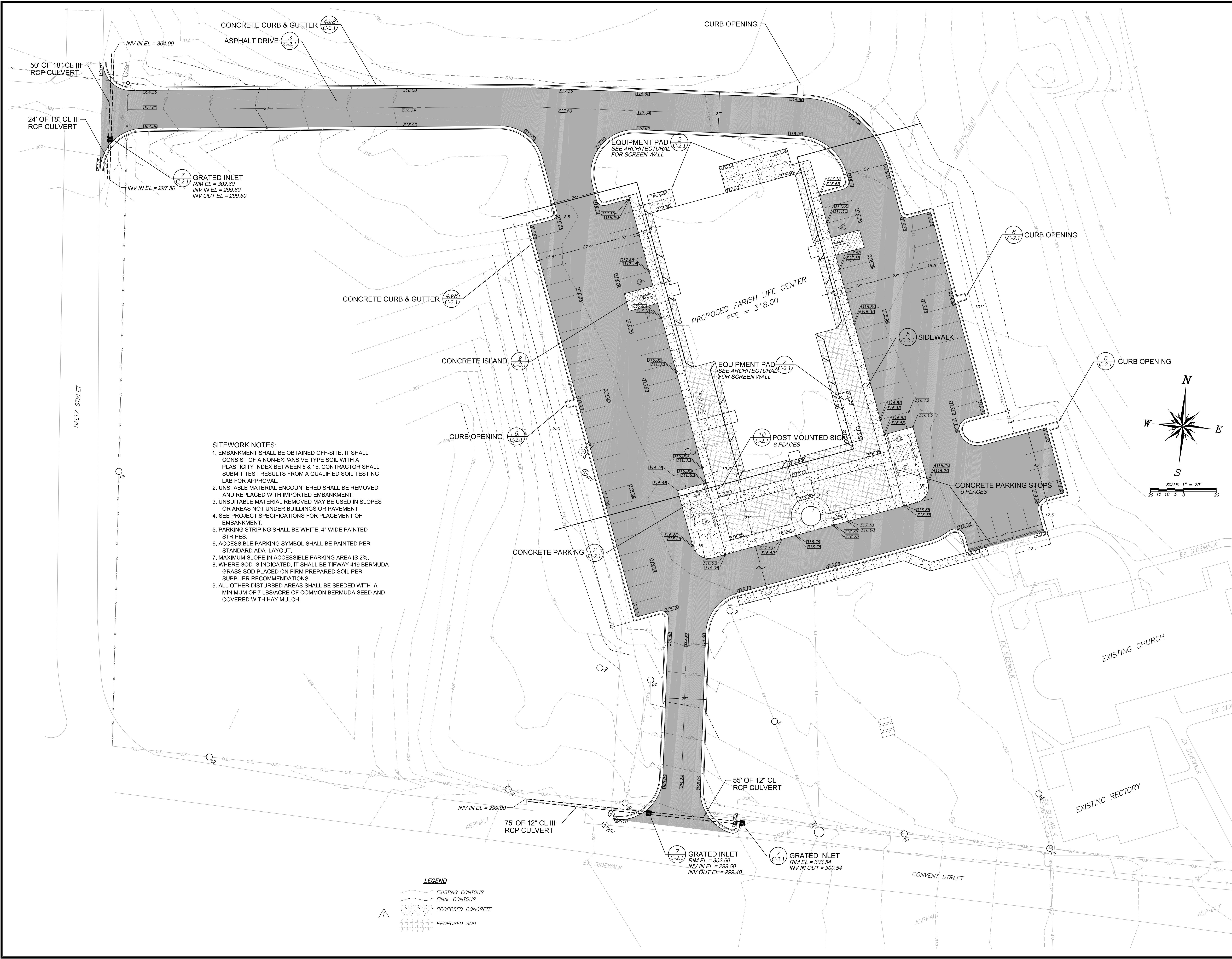
3.05 PROTECTION

- A. Keep premises clean and free of debris.
- B. Protect adjoining surfaces from damage, dust and spatter related to the work of this section.
 1. Repair damage caused by the work of this section.
 2. Clean dust and spatter from adjoining surfaces.
- C. Advise all contractors, vendors and others working in the areas completed that the concrete slab surface is the finished floor and is to be protected accordingly.
- D. Protect floors from damage until Grand Opening. Use of plastic sheeting is not permitted. Use of tape on floor is not permitted.
- E. Follow system manufacturer's instruction for cleaning to ensure proper protection from dirt and debris.

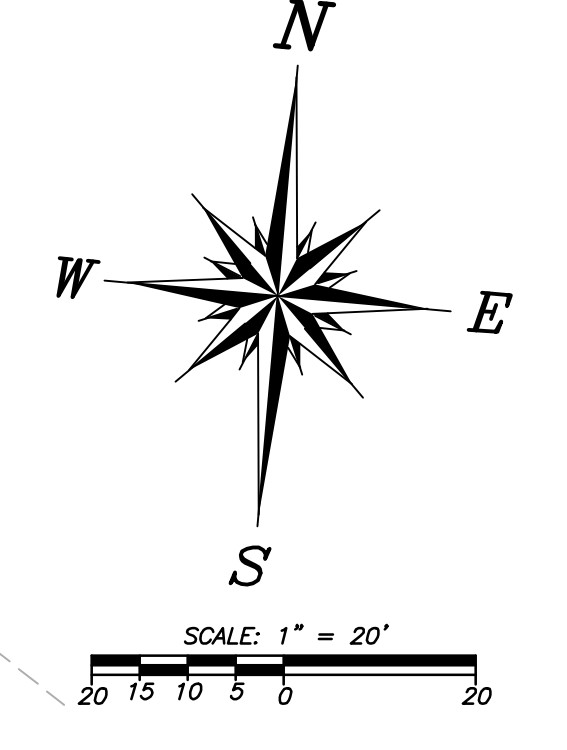
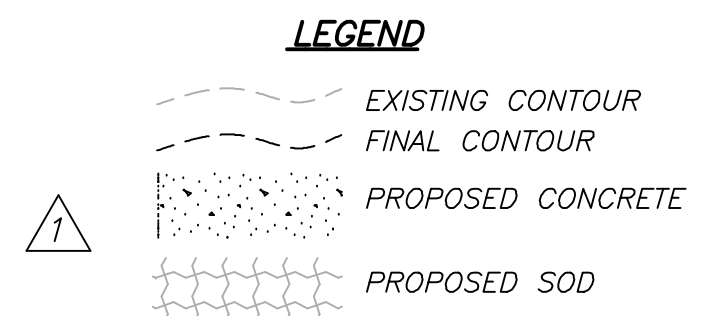
3.06 INSPECTION

- A. Notify the Owner and the Architect for final inspection of work. Correct all unacceptable work as required by the Owner and the Architect.

END OF SECTION



- SITWORK NOTES:**
1. EMBANKMENT SHALL BE OBTAINED OFF-SITE. IT SHALL CONSIST OF A NON-EXPANSIVE TYPE SOIL WITH A PLASTICITY INDEX BETWEEN 5 & 15. CONTRACTOR SHALL SUBMIT TEST RESULTS FROM A QUALIFIED SOIL TESTING LAB FOR APPROVAL.
 2. UNSTABLE MATERIAL ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH IMPORTED EMBANKMENT.
 3. UNSUITABLE MATERIAL REMOVED MAY BE USED IN SLOPES OR AREAS NOT UNDER BUILDINGS OR PAVEMENT.
 4. SEE PROJECT SPECIFICATIONS FOR PLACEMENT OF EMBANKMENT.
 5. PARKING STRIPING SHALL BE WHITE, 4" WIDE PAINTED STRIPES.
 6. ACCESSIBLE PARKING SYMBOL SHALL BE PAINTED PER STANDARD ADA LAYOUT.
 7. MAXIMUM SLOPE IN ACCESSIBLE PARKING AREA IS 2%.
 8. WHERE SOD IS INDICATED, IT SHALL BE TIFWAY 419 BERMUDA GRASS SOD PLACED ON FIRM PREPARED SOIL PER SUPPLIER RECOMMENDATIONS.
 9. ALL OTHER DISTURBED AREAS SHALL BE SEEDED WITH A MINIMUM OF 7 LBS/ACRE OF COMMON BERMUDA SEED AND COVERED WITH HAY MULCH.



PROJECT NO. 130613	DATE: 06-20-2017	DRAWN BY: BJD
REVISION: Δ FINAL CONTOUR LABELS DATE: 9-1-17		
<p>NOTE: THE DRAWING IS THE PROPERTY OF MSA ARCHITECT. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF MSA ARCHITECT. COPYRIGHT © 2015</p>		
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<p>ST. PAUL CATHOLIC CHURCH PARISH LIFE CENTER 1002 CONVENT STREET · POCAHONTAS, ARKANSAS 72455</p>		
<p>SEAL STATE OF ARKANSAS DECLER-THROESCH ENGINEERING & LAND SURVEYING No. 341 No. 8124 BRENARD J. DeCLER, P.E.</p>		
<p>GRADING PLAN 1" = 20'</p>		
<p>C-1.2 SHEET NO.</p>		