July 24, 2020

ADDENDUM NUMBER ONE (1)

Project: New Baseball Field and Pressbox - Taylorsville
Smith County School District
PN: 19063

FROM: Dean and Dean/Associates Architects, P.A.
4400 Old Canton Road, Suite 200
Jackson, MS 39211
(601) 939-7717

The following additions, changes, clarifications and/or substitutions to the Project Drawings as indicated, are hereby made a part of the Contract Documents. Acknowledge receipt of this Addendum by inserting its number and date in the Proposal Form where indicated.

Architectural Specifications:

Item #1: Attached is the sign-in sheet for the Pre-Bid Conference held on Tuesday, July 281, 2020. This is for information purposes only.

Item #2: Section 004100 – Bid Form, as follows;

Replace in its entirety.

Item #3: Section 042000 – Unit Masonry, as follows:

Replace in its entirety.

Clarification of changes in Part 2 Products 2.01 Concrete Masonry Units:
A.2 Texture: Provide standard smooth face and split-face in exterior locations as indicated in architectural drawings
a. Provide standard smooth face for all interior locations.

Item #4: Section 099000 – Paints and Coatings, as follows:

Add in its entirety.

Clarification: Added color elevations and dugouts for painting of logos.

Item #5: Section 102800 – Toilet Accessories, as follows:

Replace in its entirety.

Item #6: Section 116833 – Athletic Field Equipment, as follows:

Replace in its entirety.

Clarification: 2.04 permanent Baseball backstop B.4 Height to be 30 feet.

New Baseball Field and Pressbox - Taylorsville
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July 24, 2020

Clarifications to Drawings:

Item #1: Detail 2/A301: Any reference to 12" Split Faced Concrete Block shall be changed to 8" Split Faced Concrete Block.

Item #2: All interior trim and base along with exterior fascia and trim shall be a Hardie Trim Board Product or equal in lieu of wood trim.

Item #3: The only rooms to receive a concrete seal coating are as follows: Men 101, Concessions 102, Stair 103, Women 104, Locker 302, Office 303, Toilet 304, and Laundry 305.

Item #4: All 16" CMU Lintel Blocks shall be smooth face CMU in lieu of the split faced units shown in documents.

Item #5: On Sheets A100, A101 and A202, the 20' high netting/steel framing system by manufacturer note shall be changed to **30' high.**

Structural/Civil

SEE ATTACHED STRUCTURAL/CIVIL ITEMS PROVIDED BY SPENCER ENGINEERS.

Electrical

SEE ATTACHED ELECTRICAL ITEMS PROVIDED BY EDMONDS ENGINEERING.

END OF ADDENDUM NUMBER ONE (1)

Dean and **Dean/Associates**
architects p.a.

J. Alan Grant, AIA, Principal

REGISTERED ARCHITECT
7-24-20
J. Alan Grant
STATE OF MISSISSIPPI

PLEASE ATTACH THIS ADDENDUM TO THE INSIDE FRONT COVER OF EACH SET OF SPECIFICATIONS.

MEETING ATTENDEES

Project: Taylorsville Baseball Field and Pressbox | **Purpose:** Pre-Bid Meeting | **Date:** July 21, 2020

Name/Title	Entity	Telephone	E-Mail
Guy Nelson	Paul Jackson & Son, Inc.	(601)833-3453	pjsingc@pauljacksonandson.com
JERRY HOUSTON	J & H CONSTRUCTION INC	601.670.5500	JERRYEJH1981.COM
Chris Dennis	Mid State Construction	601-956-9500	thead@msconst.com
Justin Glenn	Leaf River Electric	601 382-1009	justinc@leaf-river.com
Gerry Logan	Musco Lighting	662 402 1080	gerry.logan@musco.com
Cameron Measels	Southern Electric Corp	601-668-3898	Cameron.measels@seecofms.com
Will Vaughan	K. Allen Contractors Inc.	662-571-8958	will@kallencontractors.com
Richard Buckhaults	Buckhaults Electric	601 477-2061	richard@buckhaultselectric.com
JONATHAN McREE	Larry J Sumrall Const	601-649-4490	jonathan@ljsumrall.com
James Anderson	Anderson Con.	601-394-0201	
Joey Sullivan	Sullivan Enterprises, Inc	601-849-3411	office@sullivanent.net
Johnny Anderson	Anderson Const. Co.	601-764-8033	andersoncbo@springstel.net

SECTION 004100

BID FORM

THE PROJECT AND THE PARTIES

1.01 TO:

A. Owner
   1. Smith County School District, 212 Sylvarena Avenue, P.O. Box 308 Raleigh, Mississippi, 39153

1.02 FOR:

A. Project: SCSD New Baseball Field Taylorsville

1.03 DATE: _____ (BIDDER TO ENTER DATE)

1.04 SUBMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS)

A. Bidder's Full Name _____
   1. Address _____
   2. City, State, Zip_____

1.05 OFFER

A. Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by _____ for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of:

B. Base Bid: _____
_____ dollars
($_____), in lawful money of the United States of America.

C. Alternate #1 - Add additional vistor side bleachers, concrete sidewalks, and fencing as identified in the Construction Documents as Alternate #1.
_____
dollars ($_____), in lawful money of the United States of America.

D. Alternate #2 - Add parking lot as identified in the Construction Documents as Alternate #2
_____ dollars
($_____), in lawful money of the United States of America.

E. Alternate #3 - Add irrigation system as identified in the Construction Documents as Alternate #3_____
_____ dollars
($_____), in lawful money of the United States of America.

F. We have included the required security deposit as required by the Instruction to Bidders.

G. All applicable federal taxes are included and State of _____ taxes are included in the Bid Sum.

H. All Cash and Contingency Allowances described in Section 012100 - ALLOWANCES are included in the Bid Sum.

1.06 ACCEPTANCE

A. This offer shall be open to acceptance and is irrevocable for sixty days from the bid closing date.

B. If this bid is accepted by Owner within the time period stated above, we will:
   1. Execute the Agreement within seven days of receipt of Notice of Award.
   2. Furnish the required bonds within seven days of receipt of Notice of Award.

C. If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

D. In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

1.07 CONTRACT TIME

A. If this Bid is accepted, we will:
   1. Complete the Work in _____ calendar days from Notice to Proceed.

1.08 CHANGES TO THE WORK

A. When Architect establishes that the method of valuation for Changes in the Work will be net cost plus a percentage fee in accordance with General Conditions, our percentage fee will be:
   1. Fifteen (15) percent overhead and profit on the net cost of our own Work;
   2. Ten (10) percent on the cost of work done by any Subcontractor.
   3. Markup for profit and overhead will not be allowed for items to be paid from project allowances identified in Section 012100.

1.09 ADDENDA

A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.
   1. Addendum # _____ Dated _____.
   2. Addendum # _____ Dated _____.
   3. Addendum # _____ Dated _____.
   4. Addendum # _____ Dated _____.

1.10 BID FORM SUPPLEMENTS

A. The following Supplements are attached to this Bid Form and are considered an integral part of this Bid Form:
   1. Document 004336 - Proposed Subcontractors Form: Include the names of all Subcontractors and the portions of the Work they will perform.

1.11 BID FORM SIGNATURE(S)

A. The Corporate Seal of

B. _____

C. (Bidder - print the full name of your firm)

D. was hereunto affixed in the presence of:

E. _____

F. (Authorized signing officer, Title)

G. (Seal)

END OF BID FORM

SECTION 042000

UNIT MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Concrete Block.

B. Mortar and Grout.

C. Reinforcement and Anchorage.

D. Flashings.

E. Accessories.

1.02 RELATED REQUIREMENTS

A. Section 055000 - Metal Fabrications: Loose steel lintels.

B. Section 061000 - Rough Carpentry: Nailing strips built into masonry.

C. Section 071113 - Bituminous Dampproofing: Dampproofing parged masonry surfaces.

D. Section 076200 - Sheet Metal Flashing and Trim: Through-wall masonry flashings.

E. Section 078400 - Firestopping: Firestopping at penetrations of fire-rated masonry and at top of fire-rated walls.

F. Section 079005 - Joint Sealers: Backing rod and sealant at control and expansion joints.

1.03 REFERENCE STANDARDS

A. ACI 530/530.1/ERTA - Building Code Requirements and Specification for Masonry Structures and Related Commentaries; 2013.

B. ACI 530.1/ASCE 6/TMS 602 - Specification For Masonry Structures; American Concrete Institute International; 2008.

C. ASTM A82/A82M - Standard Specification for Steel Wire, Plain, for Concrete Reinforcement; 2007.

D. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.

E. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon Steel Bars for Concrete Reinforcement; 2015.

F. ASTM A641/A641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire; 2009a (Reapproved 2014).

G. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete; 2015.

H. ASTM C90 - Standard Specification for Loadbearing Concrete Masonry Units; 2016.

I. ASTM C91/C91M - Standard Specification for Masonry Cement; 2012.

J. ASTM C129 - Standard Specification for Nonloadbearing Concrete Masonry Units; 2014a.

K. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar; 2011.

L. ASTM C150/C150M - Standard Specification for Portland Cement; 2015.

M. ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes; 2006 (Reapproved 2011).

N. ASTM C270 - Standard Specification for Mortar for Unit Masonry; 2014a.

O. ASTM C404 - Standard Specification for Aggregates for Masonry Grout; 2011.

P. ASTM C476 - Standard Specification for Grout for Masonry; 2016.

Q. ASTM D226/D226M - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing; 2009.

R. BIA Technical Notes No. 13 - Ceramic Glazed Brick Exterior Walls; 2017.

S. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2016.

T. IMIAWC (CW) - Recommended Practices & Guide Specifications for Cold Weather Masonry Construction; International Masonry Industry All-Weather Council; 1993.

U. IMIAWC (HW) - Recommended Practices & Guide Specifications for Hot Weather Masonry Construction; International Masonry Industry All-Weather Council; current edition.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data for masonry units, fabricated wire reinforcement, and mortar.

C. Manufacturer's Certificate: Certify that masonry units meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

A. Comply with provisions of ACI 530/530.1/ERTA, except where exceeded by requirements of the contract documents.

1.06 PRE-INSTALLATION MEETING

A. Convene one week before starting work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver, handle, and store masonry units by means that will prevent mechanical damage and contamination by other materials.

1.08 ENVIRONMENTAL REQUIREMENTS

A. Cold and Hot Weather Requirements: Comply with requirements of ACI 530.1/ASCE 6/TMS 602 or applicable building code, whichever is more stringent.

B. Cold Weather Requirements: Comply with recommendations of IMIAWC (CW).

C. Hot Weather Requirements: Comply with IMIAWC (HW).

PART 2 PRODUCTS

2.01 CONCRETE MASONRY UNITS

A. Concrete Block: Comply with referenced standards and as follows:
   1. Size: Standard units with nominal face dimensions of 16 x 8 inches and nominal depths as indicated on the drawings for specific locations.
   2. Texture: Provide standard smooth face and split-face in exterior locations as indicated in architectural drawings.
      a. Provide standard smooth face for all interior locations.
   3. Load-Bearing Units: ASTM C90, normal weight.
      a. Hollow block, as indicated.
      b. Exposed faces: Manufacturer's standard color and texture for standard units with color and texture where indicated.
   4. Non-Loadbearing Units: ASTM C129.
      a. Hollow block.
      b. Exposed faces: Manufacturer's standard color and texture for standard units with color and texture where indicated.
   5. Standard Units with Factory-Installed Insulation Inserts: ASTM C90, normal weight.
      a. Size: Standard units with nominal face dimensions of 16 by 8 inches and nominal depth of 8 inches.
      b. Insulation Type: Manufacturer's standard expanded polystyrene (XPS).
      c. Exposed faces: Manufacturer's standard color and texture for standard units with color and texture where indicated.

2.02 MORTAR AND GROUT MATERIALS

A. Masonry Cement: ASTM C91, Type S.

1. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS.

B. Portland Cement: ASTM C150, Type I; color as required to produce approved color sample.
   1. Hydrated Lime: ASTM C207, Type S.
   2. Mortar Aggregate: ASTM C144.
   3. Grout Aggregate: ASTM C404.

C. Water: Clean and potable.

2.03 REINFORCEMENT AND ANCHORAGE

A. Manufacturers of Joint Reinforcement and Anchors:
   1. Dur-O-Wal: www.dur-o-wal.com.
   2. Heckmann Building Products, Inc: www.heckmannbuildingprods.com.
   3. Hohmann & Barnard, Inc: www.h-b.com.
   4. WIRE-BOND: www.wirebond.com/#sle.

B. Reinforcing Steel: ASTM A615/A615M Grade 40 (280) deformed billet bars; galvanized.

C. Single Wythe Joint Reinforcement: Truss or ladder type; ASTM A1064/A1064M steel wire, mill galvanized to ASTM A641/A641M, Class 3; 0.1483 inch side rods with 0.1483 inch cross rods; width as required to provide not more than 1 inch and not less than 1/2 inch of mortar coverage on each exposure.

D. Multiple Wythe Joint Reinforcement: Truss type; fabricated with moisture drip; ASTM A1064/A1064M steel wire, hot dip galvanized after fabrication to ASTM A153/153M, Class B; 0.1483 inch side rods with 0.1483 inch cross rods; width as required to provide not more than 1 inch and not less than 1/2 inch of mortar coverage on each exposure.

E. Strap Anchors: Bent steel shapes configured as required for specific situations, 1-1/4 in width, 0.105 in thick, lengths as required to provide not more than 1 inch and not less than 1/2 inch of mortar coverage from masonry face, corrugated for embedment in masonry joint, hot dip galvanized to ASTM A153/A153M, Class B.

F. Flexible Anchors: 2-piece anchors that permit differential movement between masonry and building frame, sized to provide not more than 1 inch and not less than 1/2 inch of mortar coverage from masonry face.

2.04 FLASHINGS

A. Flashing Materials: Self Adhesive flexible flashiing equal to Grace Construction Products, PERMA-A-BARRIER 40 mil.

B. Rubberized Asphalt Flashing: Self-adhering polymer modified asphalt sheet; 40 mils (0.040 inch) minimum total thickness; with cross laminated polyethylene top and bottom surfaces.
   1. System Components:
      a. Perm-A-Barrier Wall Flashing: 40 mil self-adhesive, cold applied tape consisting of 32 mils of rubberized asphalt integrally bonded to a 8 mil high density, cross laminated plyethylene film.
      b. Perm-A-Barrier WB Primer: High tack, water-based primer for cementitious and exterior gypsum wall boards.
      c. Bituthene Liquid Membrane: Two component, trowel grade, asphalt modified urethane for sealing patches, terminations, brick ties, and wall penetrations.
   2. Manufacturers:
      a. Grace Construction Products
      b. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS.

2.05 ACCESSORIES

A. Preformed Control Joints: Rubber material. Provide with corner and tee accessories, fused joints.
   1. Manufacturers:
      a. Dur-O-Wal: www.dur-o-wal.com.
      b. Heckmann Building Products, Inc: www.heckmannbuildingprods.com.

c. Hohmann & Barnard, Inc (including Dur-O-Wal brand): www.h-b.com.

B. Building Paper: ASTM D226/D226M, Type I ("No.15") asphalt felt.

C. Nailing Strips: Preservative treated softwood, as specified in Section 061000.

D. Weeps: Polyester mesh.

E. Color(s): As selected by Architect from manufacturer's full range.

F. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials.

2.06 MORTAR AND GROUT MIXES

A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.
1. Masonry below grade and in contact with earth: Type S.
2. Exterior, loadbearing masonry: Type N.
3. Exterior, non-loadbearing masonry: Type N.
4. Interior, loadbearing masonry: Type N.
5. Interior, non-loadbearing masonry: Type N.

B. Colored Mortar: Proportion selected pigments and other ingredients to match Architect's sample, without exceeding manufacturer's recommended pigment-to-cement ratio.

C. Grout: ASTM C476. Consistency required to fill completely volumes indicated for grouting; fine grout for spaces with smallest horizontal dimension of 2 inches or less; coarse grout for spaces with smallest horizontal dimension greater than 2 inches.

D. Mixing: Use mechanical batch mixer and comply with referenced standards.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive masonry.

B. Verify that related items provided under other sections are properly sized and located.

C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

3.02 PREPARATION

A. Direct and coordinate placement of metal anchors supplied for installation under other sections.

B. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

3.03 COURSING

A. Establish lines, levels, and coursing indicated. Protect from displacement.

B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.

C. Concrete Masonry Units:
1. Bond: Running.
2. Coursing: One unit and one mortar joint to equal 8 inches.
3. Mortar Joints: Concave.

3.04 PLACING AND BONDING

A. Lay hollow masonry units with face shell bedding on head and bed joints.

B. Buttering corners of joints or excessive furrowing of mortar joints is not permitted.

C. Remove excess mortar and mortar smears as work progresses.

D. Interlock intersections and external corners.

E. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.

F. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.

G. Isolate top joint of masonry partitions from horizontal structural framing members and slabs or decks with compressible joint filler.

3.05 WEEPS/CAVITY VENTS

A. Install weeps in veneer and cavity walls at 24 inches on center horizontally above through-wall flashing.

3.06 CAVITY MORTAR CONTROL

A. Do not permit mortar to drop or accumulate into cavity air space or to plug weep/cavity vents.

B. For cavity walls, build inner wythe ahead of outer wythe to accommodate accessories.

3.07 REINFORCEMENT AND ANCHORAGE - GENERAL

A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

C. Place continuous joint reinforcement in first and second joint below top of walls.

D. Lap joint reinforcement ends minimum 6 inches.

E. Fasten anchors to structural framing and embed in masonry joints as masonry is laid. Unless otherwise indicated on drawings or closer spacing is indicated under specific wall type, space anchors at maximum of 36 inches horizontally and 24 inches vertically.

3.08 REINFORCEMENT AND ANCHORAGE - MASONRY VENEER

A. Install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

C. Place continuous joint reinforcement in first and second joint below top of walls.

D. Lap joint reinforcement ends minimum 6 inches.

E. Masonry Back-Up: Embed anchors to bond veneer at maximum 16 inches on center vertically and 36 inches on center horizontally. Place additional anchors at perimeter of openings and ends of panels, so maximum spacing of anchors is 8 inches on center.

F. Stud Back-Up: Secure veneer anchors to stud framed back-up and embed into masonry veneer at maximum 16 inches on center vertically and 24 inches on center horizontally. Place additional anchors at perimeter of openings and ends of panels, so maximum spacing of anchors is 8 inches on center.

3.09 REINFORCEMENT AND ANCHORAGES - CAVITY WALL MASONRY

A. Install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of openings.

C. Place continuous joint reinforcement in first and second joint below top of walls.

D. Lap joint reinforcement ends minimum 6 inches.

3.10 MASONRY FLASHINGS

A. Whether or not specifically indicated, install masonry flashing to divert water to exterior at all locations where downward flow of water will be interrupted.
   1. Extend flashings full width at such interruptions and at least 4 inches into adjacent masonry or turn up at least 4 inches to form watertight pan at non-masonry construction.
   2. Remove or cover protrusions or sharp edges that could puncture flashings.
   3. Seal lapped ends and penetrations of flashing before covering with mortar.

B. Extend metal flashings to within 1/4 inch of exterior face of masonry.

C. Extend flashings to within 1/2 inch of exterior face of masonry and adhere to top of stainless steel angled drip with hemmed edge.

D. Lap end joints of flashings at least 6 inches and seal watertight with mastic or elastic sealant.

E. At locations where flashing becomes damaged or torn; apply additional flashing with edges overlapping a minimum of 6" and apply termination bar with sealant to top edge and apply continuous sealant bead at all other edges.

3.11 LINTELS

A. Install loose steel lintels over openings.

B. Install reinforced unit masonry lintels over openings where steel or precast concrete lintels are not scheduled.
   1. Openings to 42 inches: Place two, No. 3 reinforcing bars 1 inch from bottom web.
   2. Openings from 42 inches to 78 inches: Place two, No. 5 reinforcing bars 1 inch from bottom web.
   3. Openings over 78 inches: Reinforce openings as detailed.
   4. Do not splice reinforcing bars.
   5. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
   6. Place and consolidate grout fill without displacing reinforcing.
   7. Allow masonry lintels to attain specified strength before removing temporary supports.

3.12 GROUTED COMPONENTS

A. Lap splices minimum 24 bar diameters.

B. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.

C. Place and consolidate grout fill without displacing reinforcing.

D. At bearing locations, fill masonry cores with grout for a minimum 12 inches either side of opening.

3.13 CONTROL AND EXPANSION JOINTS

A. Do not continue horizontal joint reinforcement through control and expansion joints.

B. Install preformed control joint device in continuous lengths. Seal butt and corner joints in accordance with manufacturer's instructions.

C. Size control joint in accordance with Section 079005 for sealant performance.

D. Form expansion joint as detailed.

3.14 BUILT-IN WORK

A. As work progresses, install built-in metal door frames and other items to be built into the work and furnished under other sections.

B. Install built-in items plumb, level, and true to line.

C. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with grout.

D. Do not build into masonry construction organic materials that are subject to deterioration.

3.15 TOLERANCES

A. Maximum Variation From Unit to Adjacent Unit: 1/16 inch.

B. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft and 1/2 inch in 20 ft or more.

C. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.

D. Maximum Variation from Level Coursing: 1/8 inch in 3 ft and 1/4 inch in 10 ft; 1/2 inch in 30 ft.

E. Maximum Variation of Joint Thickness: 1/8 inch in 3 ft.

3.16 CUTTING AND FITTING

A. Cut and fit for chases. Coordinate with other sections of work to provide correct size, shape, and location.

B. Obtain approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

3.17 CLEANING

A. Clean soiled surfaces with cleaning solution.

3.18 PROTECTION

A. Without damaging completed work, provide protective boards at exposed external corners that are subject to damage by construction activities.

END OF SECTION

SECTION 099000
PAINTS AND COATINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints and other coatings.

C. Do Not Paint or Finish the Following Items:
   1. Items fully factory-finished unless specifically so indicated; materials and products having factory-applied primers are not considered factory finished.
   2. Items indicated to receive other finishes.
   3. Items indicated to remain unfinished.
   4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
   5. Floors, unless specifically so indicated.
   6. Glass.
   7. Concealed pipes, ducts, and conduits.

1.02 RELATED REQUIREMENTS

A. Section 01230 Alternatives

B. Section 055000 - Metal Fabrications: Shop-primed items.

C. Section 220553 - Identification for Plumbing Piping and Equipment: Painted identification.

D. Section 260553 - Identification for Electrical Systems: Painted identification.

1.03 REFERENCE STANDARDS

A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.

B. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2014.

C. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials; 2007.

1.04 DEFINITIONS

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
   1. Where sheen is specified, submit samples in only that sheen.
   2. Where sheen is not specified, discuss sheen options with Architect before preparing samples, to eliminate sheens definitely not required.
   3. Paint color submittals will not be considered until color submittals for major materials not to be painted, such as masonry, have been approved.

C. Product Data: Provide data on all finishing products, including VOC content.

D. Manufacturer's Instructions: Indicate special surface preparation procedures.

E. Maintenance Data: Submit data on cleaning, touch-up, and repair of painted and coated surfaces.

1.06 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.

B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum three years documented experience.

1.07 REGULATORY REQUIREMENTS

A. Conform to applicable code for flame and smoke rating requirements for products and finishes.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.09 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

D. Minimum Application Temperatures for Latex Paints: 45 degrees F for interiors; 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.

E. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

1.10 EXTRA MATERIALS

A. Supply 2 gallons of each color; store where directed.

B. Label each container with color in addition to the manufacturer's label.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide all paint and coating products used in any individual system from the same manufacturer; no exceptions.

B. Paints: As a "Standard of Quality", the work of this Section is based on products of Benjamin Moore.

C. The following manufacturers are acceptable only after compliance with requirements of this section and color selections:
   1. Glidden Professional: www.gliddenprofessional.com.
   2. Benjamin Moore & Co: www.benjaminmoore.com/#sle.
   3. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
   4. Farrell-Calhoun: www.farrellcalhoun.com

D. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS.

2.02 PAINTS AND COATINGS - GENERAL

A. Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.
   1. Provide paints and coatings of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
   2. Supply each coating material in quantity required to complete entire project's work from a single production run.
   3. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.

B. Primers: As follows unless other primer is required or recommended by manufacturer of top coats; where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.

1. Concrete Masonry: Interior/Exterior Latex Block Filler; MPI #4.
2. Wood: Latex Primer for Interior Wood; MPI #39.
3. Wood: Interior Alkyd Primer Sealer; MPI #45.

C. Volatile Organic Compound (VOC) Content:
1. Provide coatings that comply with the most stringent requirements specified in the following:
a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.

D. Chemical Content: The following compounds are prohibited:
1. Aromatic Compounds: In excess of 1.0 percent by weight of total aromatic compounds (hydrocarbon compounds containing one or more benzene rings).
2. Acrolein, acrylonitrile, antimony, benzene, butyl benzyl phthalate, cadmium, di (2-ethylhexyl) phthalate, di-n-butyl phthalate, di-n-octyl phthalate, 1,2-dichlorobenzene, diethyl phthalate, dimethyl phthalate, ethylbenzene, formaldehyde, hexavalent chromium, isophorone, lead, mercury, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, naphthalene, toluene (methylbenzene), 1,1,1-trichloroethane, vinyl chloride.

E. Colors: Locations As indicated on drawings
1. Paint P1 Exterior Custom Mix Pantone Cool Gray 5U
a. RGB Mixture: 173 174 176
2. Paint P2 Exterior Custom Mix Pantone 16-6138 TPG Kelly Green
a. RGB Mixture: 51 158 102
3. Paint P3 Exterior Custom Mix Pantone 13-0630 TN Safety Yellow
a. RGB Mixture: 257 255 0
4. Paint P4 Exterior Custom Mix Pantone Cool Gray 10U
a. RGB Mixture: 129 131 135
5. Additional selections may be made by Architect after award of contract.
6. Allow for minimum of three colors for each system, unless otherwise indicated, without additional cost to Owner.

2.03 PAINT SYSTEMS - EXTERIOR

A. Paint WE-OP-3A - Wood, Opaque, Alkyd, 3 Coat:
1. One coat of alkyd primer sealer; Product 176 SuperSpec Exterior Oil Based Primer.
2. Gloss: Two coats of alkyd enamel.

B. Paint CE-OP-3A - Concrete/Masonry, Opaque, Alkyd, 3 Coat:
1. One coat of block filler.
2. Semi-gloss: Two coats of alkyd enamel.

C. Paint ME-OP-3A - Ferrous Metals, Unprimed, Alkyd, 3 Coat:
1. One coat of alkyd primer; Product PO6 Alkyd Metal Primer
2. Gloss: Two coats of alkyd enamel; Product P22 Super Spec HP Urethane Alkyd Gloss Enamel.

D. Paint MgE-OP-3A - Galvanized Metals, Alkyd, 3 Coat:
1. One coat galvanize primer; Product PO4 Acrylic Metal Primer
2. Gloss: Two coats of alkyd enamel; Product P22 Super Spec HP Urethane Alkyd Gloss Enamel.

E. Paint P.V.C., Opaque, 3 coat (at HVAC Vents).
1. One coat binding primer; xim products - 400W.
2. Two coats flat latex; Product 185 Superspec exterior latex low luster.

2.04 PAINT SYSTEMS - INTERIOR

A. Paint WI-OP-3L - Wood, Opaque, Latex, 3 Coat:

1. One coat of latex primer sealer; Product N023 Fresh Start Multi-Purpose Latex Primer.
2. Semi-gloss: Two coats of latex enamel; Product 0276 Super Spec Interior Latex Semi-Gloss Finish

B. Paint WI-OP-2L - Wood, Opaque, Latex, 2 Coat Anti-Slip Coating:
1. One coat of latex primer sealer.
2. Semi-gloss: One coat of latex enamel; Product Anti-Slip Acrylic Latex Interior/Exterior Floor Paint.
3. Apply to interior stairs and wood floor as indicated in drawings.

C. Paint CI-OP-3A - Concrete/Masonry, Opaque, Alkyd, 3 Coat:
1. One coat of block filler; Product 0206 Super Spec Masonry Interior/Exterior Hi-Build Block Filler
2. Semi-gloss: Two coats of alkyd enamel.

D. Paint CI-OP-3A - Concrete/Masonry, Opaque, Epoxy, 3 Coat:
1. One coat of block filler.
2. Semi-gloss: Two coats of pre-catalyzed waterborne epoxy enamel .

E. Paint MI-OP-3A - Ferrous Metals, Unprimed, Alkyd, 3 Coat:
1. One coat of alkyd primer; Product MO6 Alkyd Metal Primer.
2. Semi-gloss: Two coats of alkyd enamel; Product 271 SuperSpec Alkyd Semigloss Enamel.

F. Paint MI-OP-2A - Ferrous Metals, Primed, Alkyd, 2 Coat:
1. Semi-gloss: Two coats of alkyd enamel; Product 271 Super Spec Alkyd Semigloss Enamel.

G. Paint MgI-OP-3A - Galvanized Metals, Alkyd, 3 Coat:
1. One coat galvanize primer; Product MO4 Metal Acrylic Metal Primer.
2. Semi-gloss: Two coats of alkyd enamel.

H. Paint CI-OP-3E - Concrete/Masonry, Epoxy Enamel, 3 Coat:
1. One coat of catalyzed epoxy primer; Product 285 Block Filler.
2. Gloss: Two coats of catalyzed epoxy enamel.

I. Paint GI-OP-3LA - Gypsum Board/Plaster, Latex-Acrylic, 3 Coat:
1. One coat of latex primer sealer; Product N023 Fresh Start Multi-Purpose Latex Primer.
2. Eggshell: Two coats of latex-acrylic enamel; Product C274 Super Spec Interior Latex Eggshell Finish .

2.05 ACCESSORY MATERIALS

A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required to achieve the finishes specified whether specifically indicated or not; commercial quality.

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
1. General Contractor to test existing painted surfaces (all surfaces to be painted) for paint type and recommend to Architect the proper process for painting over existing surface. Determination of compatibility of existing paint, new primer, and new paint is the sole responsibility of the General Contractor.

C. Test shop-applied primer for compatibility with subsequent cover materials.

D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
   1. Gypsum Wallboard: 12 percent.
   2. Masonry, Concrete, and Concrete Unit Masonry: 12 percent.
   3. Interior Wood: 15 percent, measured in accordance with ASTM D4442.
   4. Exterior Wood: 15 percent, measured in accordance with ASTM D4442.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to coating application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Concrete and Unit Masonry Surfaces to be Painted: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow to dry. Remove stains caused by weathering of corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.

G. Gypsum Board Surfaces to be Painted: Fill minor defects with filler compound. Spot prime defects after repair.

H. Galvanized Surfaces to be Painted: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.

I. Uncorroded Uncoated Steel and Iron Surfaces to be Painted: Remove grease, mill scale, weld splatter, dirt, and rust. Where heavy coatings of scale are evident, remove by hand wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Prime paint entire surface; spot prime after repairs.

J. Shop-Primed Steel Surfaces to be Finish Painted: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.

K. Interior Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.

L. Interior Wood Surfaces to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats. Prime concealed surfaces with gloss varnish reduced 25 percent with thinner.

M. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

A. Apply products in accordance with manufacturer's instructions.

B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

C. Apply each coat to uniform appearance.

D. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.

E. Sand wood and metal surfaces lightly between coats to achieve required finish.

F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

G. Wood to Receive Transparent Finishes: Tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.

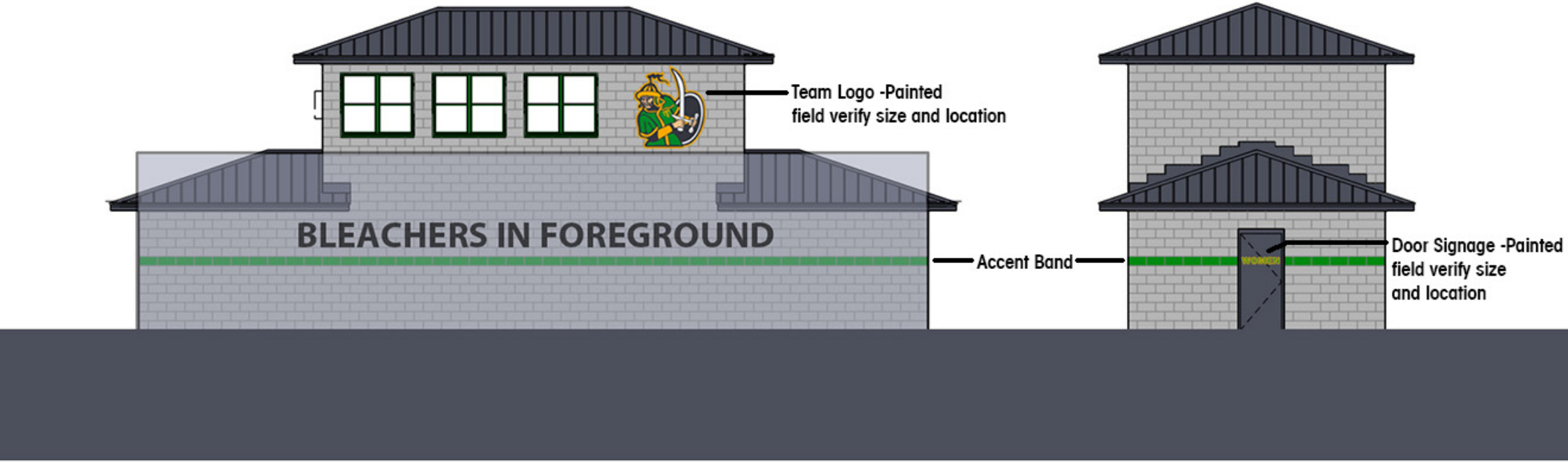
H. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 FINISHING MECHANICAL AND ELECTRICAL EQUIPMENT

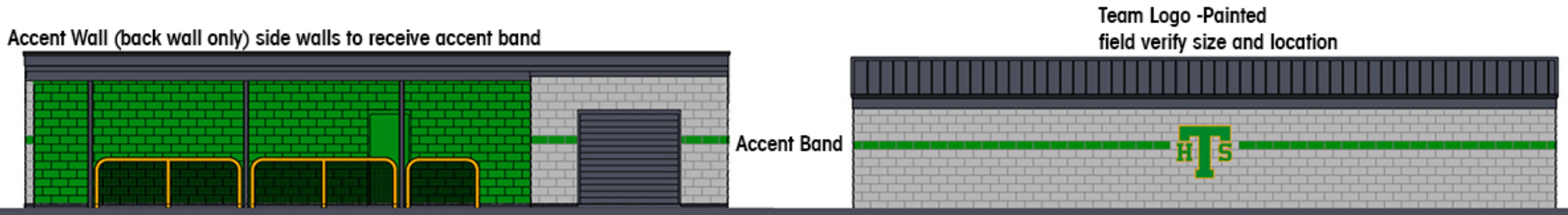
A. Finish equipment, piping, conduit, and exposed duct work in utility areas in colors according to the color schedule.

3.05 CLEANING

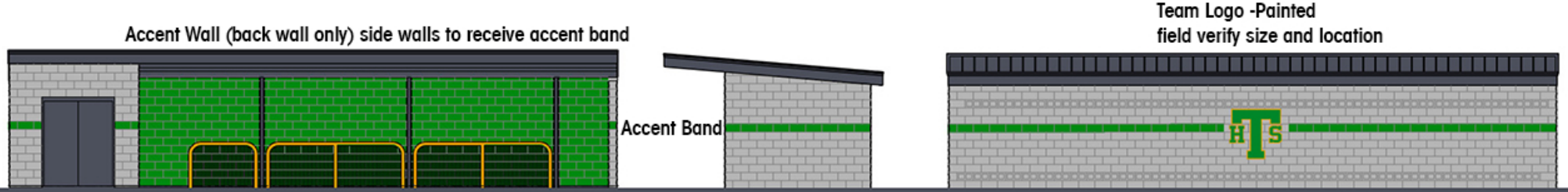
A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.


Team Logo -Painted
field verify size and location
BLEACHERS IN FOREGROUND
Accent Band
Door Signage -Painted
field verify size
and location


HOME OF THE
TAYLORSVILLE
TARTARS
Team Logo and Name -Painted
field verify size and location
CONCESSIONS
MENU BOARD
Accent Band
Team Logo -Painted
field verify size and location
Door Signage -Painted
field verify size
and location



HOME DUGOUT



VISITOR DUGOUT

SECTION 102800
TOILET ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Accessories for toilet rooms.

B. Grab bars.

1.02 RELATED REQUIREMENTS

A. Section 061000 - Rough Carpentry: Wood blocking as required.

B. Section 093000 - Tiling: Ceramic washroom accessories.

C. Section 102113.19 - Plastic Toilet Compartments.

1.03 REFERENCE STANDARDS

A. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2015a.

B. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.

C. ASTM C1036 - Standard Specification for Flat Glass; 2011.

D. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.

C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

1.06 COORDINATION

A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Toilet Accessories:
   1. Bradley Corporation: www.bradleycorp.com.
   2. Bobrick; www.bobrick.com
   3. Substitutions: Section 016000 - PRODUCT REQUIREMENTS.

B. All items of each type to be made by the same manufacturer.

2.02 MATERIALS

A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
   1. Grind welded joints smooth.
   2. Fabricate units made of metal sheet of seamless sheets, with flat surfaces.

B. Stainless Steel Sheet: ASTM A666, Type 304.

C. Stainless Steel Tubing: ASTM A269/A269M, Type 304 or 316.

D. Mirror Glass: Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required.

E. Adhesive: Two component epoxy type, waterproof.

F. Fasteners, Screws, and Bolts: Hot dip galvanized; tamper-proof; security type.

G. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.03 FINISHES

A. Stainless Steel: No. 4 Brushed finish, unless otherwise noted.

2.04 TOILET ROOM ACCESSORIES

A. Grab Bars (A) - B-6806 x 36"

B. Grab Bars (B) - B-6806 x 42"

C. Coat Hook (G) - B-2116.

D. Wall Mounted Mirror (J) - B-292-2436, 24"x36" with shelf.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify exact location of accessories for installation.

C. Verify that field measurements are as indicated on drawings.

3.02 PREPARATION

A. Deliver inserts and rough-in frames to site for timely installation.

B. Provide templates and rough-in measurements as required.

3.03 INSTALLATION

A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.

B. Install plumb and level, securely and rigidly anchored to substrate.

C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.

D. Mounting Heights and Locations: As required by accessibility regulations and as indicated on drawings

1. Bottom of Mirrors: 40" Max..
2. Grab Bars at Barrier-Free Stalls: 33" Min.to 36" max..

END OF SECTION

SECTION 116833
ATHLETIC FIELD EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Baseball field equipment.

B. Outdoor baseball cage.

C. Permanent baseball backstop.

1.02 RELATED REQUIREMENTS

A. Section 033000 - Cast-in-Place Concrete: Footings for field equipment.

B. Section 312200 - Grading: Shaping subgrade to specified grade levels; removal of excess soil and rocks.

1.03 ABBREVIATIONS

A. NFHS - National Federation of State High School Associations; www.nfhs.com and www.nfhs.org.

PART 2 PRODUCTS

2.01 ATHLETIC FIELD EQUIPMENT - GENERAL

A. High School Sports: Provide equipment that complies with NFHS requirements.

B. Mount supporting posts in concrete footings, unless otherwise indicated, refer to Section 033000 for additional concrete footing installation requirements.

C. Coordinate field grading as required for proper placement and arrangement of equipment, refer to Section 312200 for additional information.

2.02 BASEBALL FIELD EQUIPMENT

A. Dugout Padding: Dugout rail padding system
   1. Manufacturer: Beacon Athletics (Basis of Design); 1-800-747-5985; www.beaconathletics.com
   2. Product: Rail Padding Kit
   3. Material: 18oz UV treated vinyl cover over 1" foam
   4. Profile: U-shaped square profile for horizontal and vertical rails.
   5. Netting: Provide dugout netting between vertical posts. Fastened to horizontal and vertical rails.
   6. Size: As inidicated in drawings.
   7. Color: As selected by architect from manufacuter's full range of colors. Color to match school colors. Provide custom color as required.

B. Backstop Pads: Vinyl backstop pads
   1. Manufacturer: Beacon Athletics (Basis of Design); 1-800-747-5985; www.beaconathletics.com
   2. Product: Beacon Woodless Backstop Pads
   3. Material: 18oz UV treated vinyl cover over 2" foam
   4. Attachment: Adjustable stainless steel mounting brackets, integrated full-lenth support batten, and velcro wall plates and velcro attachment on pads.
   5. Size: As indicated in drawings.
   6. Color: As selected by architect from manufacturer's full range of colors. Color to match school colors. Provide custom color as required.

C. Foul Ball Poles, In-Ground Mounted: Constructed from galvanized steel pipe with factory powder-coat finish finish and offset wing of steel mesh on fair side of pair of poles, 20 feet high, 4-1/2 inch diameter.
   1. Manufacturer: JW Industries, Inc. (Basis of Design).
   2. Model: FLP-30VS

3. Height: 30 feet
4. Color: Factory powder-coat yellow
5. Fasteners: Corrosion resistant glavanized
6. Provide concrete footing of size required to support foul ball poles.
7. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS

2.03 OUTDOOR BASEBALL CAGE

A. Manufacturers:
   1. AALCO Athletic Equipment; St. Louis, MO; (314)544-4300; www.allcomfg.com.
   2. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS.

B. Outdoor Baseball Cage: Overhead superstructure with netting supported by 4 inch diameter extruded aluminum poles equipped with rope and pulley system to raise and lower net at post locations.
   1. Size of Cage: As indicated in drawings.
   2. Support Poles: Located approximately 18 feet on center, and at 2 feet from outside edge of net on both sides.
      a. Color: Black.
   3. Netting: No. 36 by 3/4 inch square mesh netting.
      a. Color: Black.
   4. Mount support posts 12 inch deep inside metal sleeve with top flush with ground, and set within concrete footing having 10 inch top diameter and 15 inch bottom diameter and 36 inch deep; provide drainage line from bottom of sleeve out bottom of footing; provide cap to close top of sleeve when not in use.
   5. Provide hardware and accessories as required for complete assembly.
   6. Provide retention cables as required by system manufacturer to contain baseballs inside cage.

2.04 PERMANENT BASEBALL BACKSTOP

A. Manufacturers:
   1. AALCO Athletic Equipment; St. Louis MO; (314)544-4300; www.allcomfg.com.
   2. Substitutions: See Section 016000 - PRODUCT REQUIREMENTS.

B. Baseball Backstop: AALCO Cable suspended custom backstop (Basis of Design)
   1. Supports: Steel pipe supports and foundations as engineered and designed by netting system manfuacturer.
   2. Netting: 1 3/4" x 1 3/4" #42 treated netting with reinforced roped edges and rib lines all all cable attached points.
   3. Cable System: Suspended cable netting systems as engineered and designed by netting system manufacturer. Provide anchors to top of concrete block backstop as required by manufacturer to properly anchor netting.
   4. Height: 30 feet.
   5. Width: Provide full protective width as in indicated in drawings with no pass through openings at edges. Provide edge anchoring to dugouts and edge poles as required to stop balls from exiting playing field.

2.05 MATERIALS

A. Steel Pipe and Tube: Complying with ASTM A135/A135M, ASTM A500/A500M, or ASTM A513/A513M; hot-dip galvanized and free of excess weld and spatter.
   1. Tensile Strength: 45,000 psi, minimum.
   2. Yield Point: 33,000 psi, minimum.
   3. Galvanizing: Hot-dip metal components in zinc after fabrication, in accordance with ASTM A123/A123M; remove tailings and sharp protrusions and burnish edges.

B. Extruded Aluminum: ASTM B221 or ASTM B221M, Alloy 6061, 6062, or 6063.
   1. Tensile Strength: 39,000 psi, minimum.
   2. Yield Point: 36,500 psi, minimum.

C. Hardware: Provide design without hazardous protrusions, corners, or finishes, and requiring tools for removal after installation; countersunk fasteners are preferred.
   1. Use stainless steel for metal-to-metal connections; select type to minimize galvanic corrosion of materials connected by hardware.
   2. Use stainless steel for wood-to-wood and wood-to-metal connections.
   3. Use stainless steel with plastic components.
   4. Bearings: Self lubricating.
   5. Hooks, Including S-Hooks: Closed loop; maximum gap 0.04 inches.
   6. Rails and Loops: Same metal as item is mounted on, or aluminum; with powder coating.
   7. Anchors: In accordance with manufacturer's recommendations.

D. Powder Coating for Steel: Electrostatically applied and oven cured polyester powder over electrostatic zinc coating.

END OF SECTION

July 23, 2020

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI

CIVIL ADDENDUM #1

Drawings

Item No. 1 Ref. Sheet C201 – Retaining wall shall be a modular block retaining wall. Add note "CONTRACTOR SHALL VERIFY THAT THE INSTALLATION OF THE MODULAR BLOCK RETAINING WALL SHALL NOT UNDERMINE THE EXISTING FIELD FENCE, SCOREBOARD, OR LIGHTS. ANY DAMAGES TO THE EXISTING FIELD STRUCTURES SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR." See attached revised C201.

Item No. 2 Ref. Sheet C202, C203 - Retaining wall shall be a modular block retaining wall. See attached revised C202 and C203.

Item No. 3 Ref. Sheet C500 – Delete Sheet Pile Wall section and elevation. Add "Modular Block Retaining Wall" Detail. See attached Sheet C500

Specifications

Item No. 4 Add Section 316616 – "Concrete Modular Retaining Wall". See attached Section 316616.

Item No. 5 Reference Section 310513 – Soil Materials –

Revise Part 2 Products, 2.01 Soil Materials:

A. Type S1 – Select Fill: Material shall consist of select, nonorganic and debris-free soils. Soils shall be either of the following:

1. Silty clays (CL) or sandy clays (CL) having a plasticity index (PI) within the range of 10 to 24 and a liquid limit less than 45.
2. Clayey sands (SC) with a plasticity index (PI) within the range of 7 to 15 and a liquid limit less than 35.

CIVIL CLARIFICATIONS #1

Is the lime stabilizing for the parking lot part of base or Alternate #2? **Lime stabilization for the asphalt parking lot is just Alternate #2 per the detail on C500**

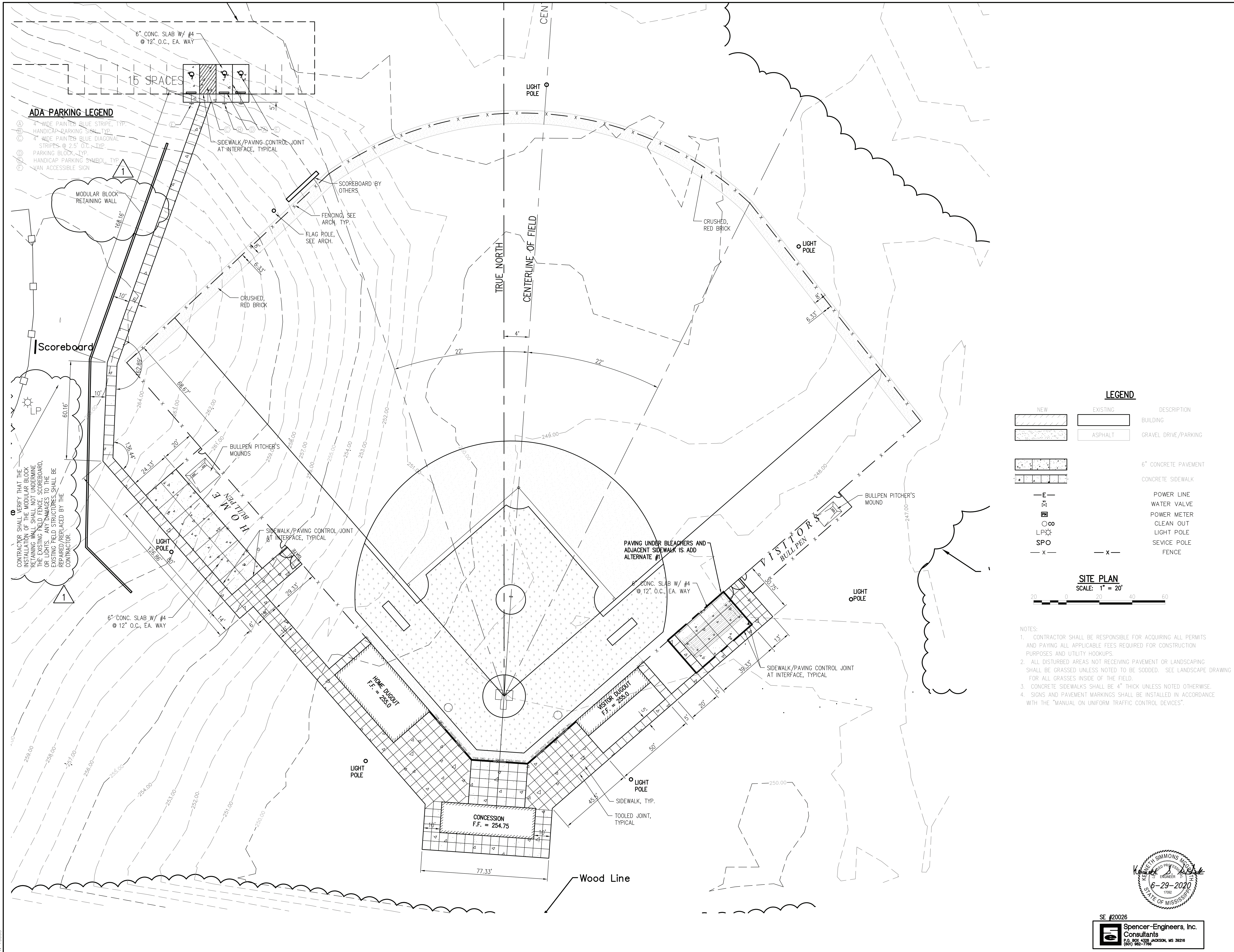
If it is part of the alternate #2 is the area that receives 610 Limestone and concrete paving going to be limed for the base? **Area of 610 Limestone shall be lime treated per detail on C500.**

STRUCTURAL ADDENDUM #1

Drawings

Item No. 1 Ref. Sheet S102 – Add notes regarding the bond beam and bearing walls at the concession stand. See attached revised S102.

Item No. 2 Ref. Sheet S203 – At the "Typical 8" Block Wall" Detail, omit note "Similar @ 12" CMU Walls."



ADA PARKING LEGEND
15 SPACES
6" CONC. SLAB W/ #4 @ 12" O.C., EA. WAY
SIDEWALK/PAVING CONTROL JOINT AT INTERFACE, TYPICAL
MODULAR BLOCK RETAINING WALL
SCOREBOARD BY OTHERS
FENCING, SEE ARCH. TYP.
FLAG POLE, SEE ARCH.
CRUSHED, RED BRICK
LIGHT POLE
TRUE NORTH
CENTERLINE OF FIELD
Scoreboard
LP
CONTRACTOR SHALL VERIFY THAT THE INSTALLATION OF THE MODULAR BLOCK RETAINING WALL SHALL NOT UNDERMINE THE EXISTING FIELD FENCE, SCOREBOARD, OR LIGHTS. ANY DAMAGES TO THE EXISTING FIELD STRUCTURES SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR.
BULLPEN PITCHER'S MOUNDS
HOME BULLPEN
VISITORS BULLPEN
BULLPEN PITCHER'S MOUND
PAVING UNDER BLEACHERS AND ADJACENT SIDEWALK IS ADD ALTERNATE #1
HOME DUGOUT F.F. = 255.0
VISITOR DUGOUT F.F. = 255.0
CONCESSION F.F. = 254.75
SIDEWALK, TYP.
TOOLED JOINT, TYPICAL
Wood Line
LEGEND
NEW | EXISTING | DESCRIPTION
BUILDING
ASPHALT | GRAVEL DRIVE/PARKING
6" CONCRETE PAVEMENT
CONCRETE SIDEWALK
POWER LINE
WATER VALVE
POWER METER
CLEAN OUT
LIGHT POLE
SEVICE POLE
FENCE
SITE PLAN
SCALE: 1" = 20'
NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND PAYING ALL APPLICABLE FEES REQUIRED FOR CONSTRUCTION PURPOSES AND UTILITY HOOKUPS.
2. ALL DISTURBED AREAS NOT RECEIVING PAVEMENT OR LANDSCAPING SHALL BE GRASSED UNLESS NOTED TO BE SODDED. SEE LANDSCAPE DRAWING FOR ALL GRASSES INSIDE OF THE FIELD.
3. CONCRETE SIDEWALKS SHALL BE 4" THICK UNLESS NOTED OTHERWISE.
4. SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
SE #20026
Spencer-Engineers, Inc. Consultants

Dean and Dean/Associates architects
a professional association
DEAN • GEDDIE • GRANT • OUBRE

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI

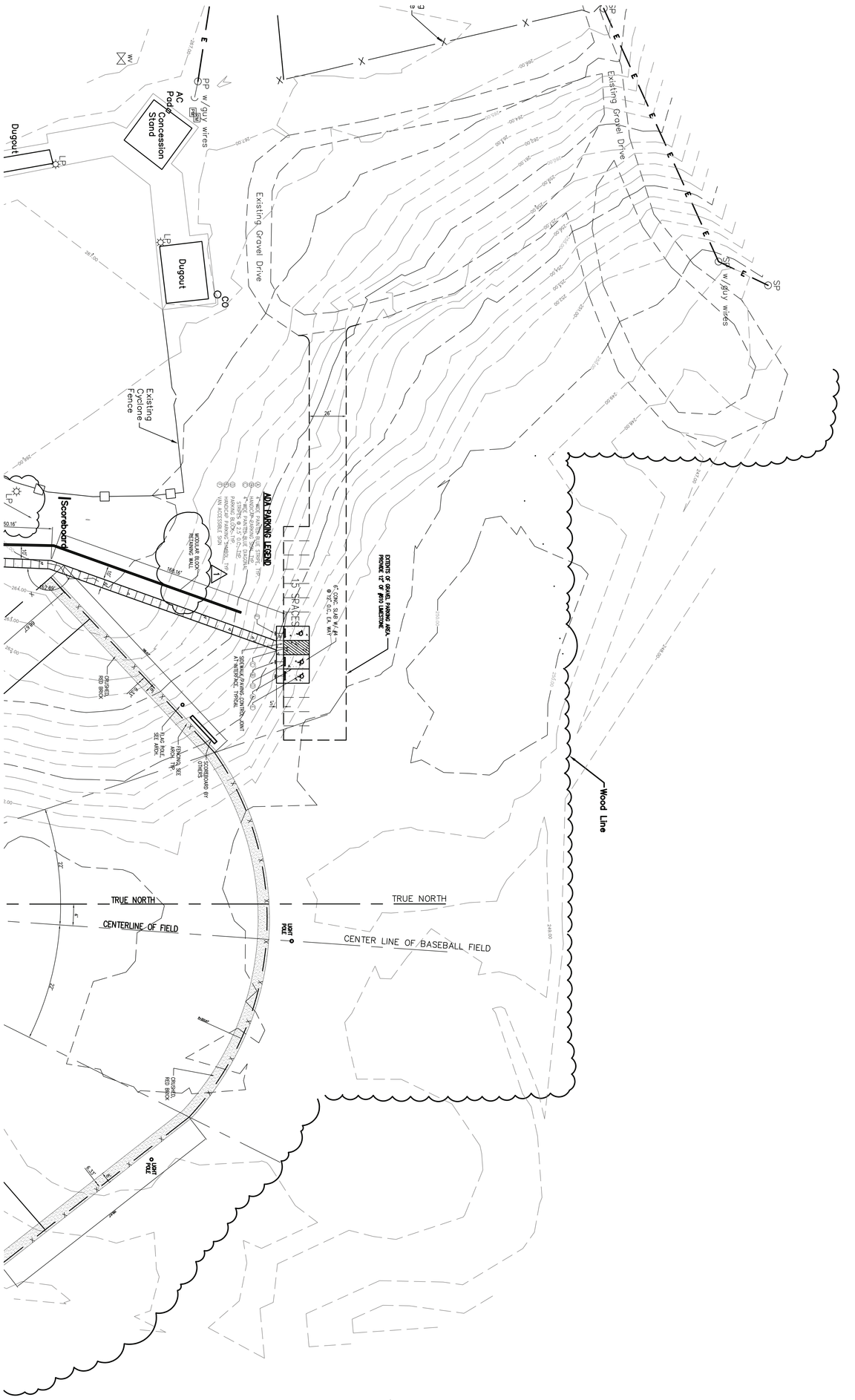
Project No: 19063 Revisions: 1 7-23-2020
Date: JUNE 29, 2020
Drawn: KSM
Checked: KSM

ENLARGED FIELD SITE PLAN

Sheet Number: C201

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI
PN 19063

1/8" =1'-0" GRAPHIC SCALE | 1/4" =1'-0" GRAPHIC SCALE | 1/2" =1'-0" GRAPHIC SCALE | 3/4" =1'-0" GRAPHIC SCALE | 1" =1'-0" GRAPHIC SCALE | 1?" =1'-0" GRAPHIC SCALE | 3" =1'-0" GRAPHIC SCALE



LEGEND

DESCRIPTION	EXISTING	NEW
BUILDING		
GRAVEL DRIVE/PARKING		
ASPHALT		
6" CONCRETE PAVEMENT		
CONCRETE SIDEWALK		
POWER LINE	—E—	
WATER VALVE	WV	
POWER METER	PM	
CLEAN OUT	CO	
LIGHT POLE	LP	
SEVICE POLE	SPO	
FENCE	—X—	

SITE PLAN
SCALE: 1" = 20'

20 0 20 40 60

NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND PAYING ALL APPLICABLE FEES REQUIRED FOR CONSTRUCTION PURPOSES AND UTILITY HOOKUPS.
2. ALL DISTURBED AREAS NOT RECEIVING PAVEMENT OR LANDSCAPING SHALL BE GRASSED UNLESS NOTED TO BE SODDED. SEE LANDSCAPE DRAWING FOR ALL GRASSES INSIDE OF THE FIELD.
3. CONCRETE SIDEWALKS SHALL BE 4" THICK UNLESS NOTED OTHERWISE.
4. SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

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KENNETH SIMMONS 17002 REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI 6-29-2020

ENLARGED PARKING AREA SITE PLAN

Sheet Number :
C202

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI

Project No: 19063 Revisions:
Date: JUNE 29, 2020
Drawn: KSM
Checked: KSM

1 7-23-2020

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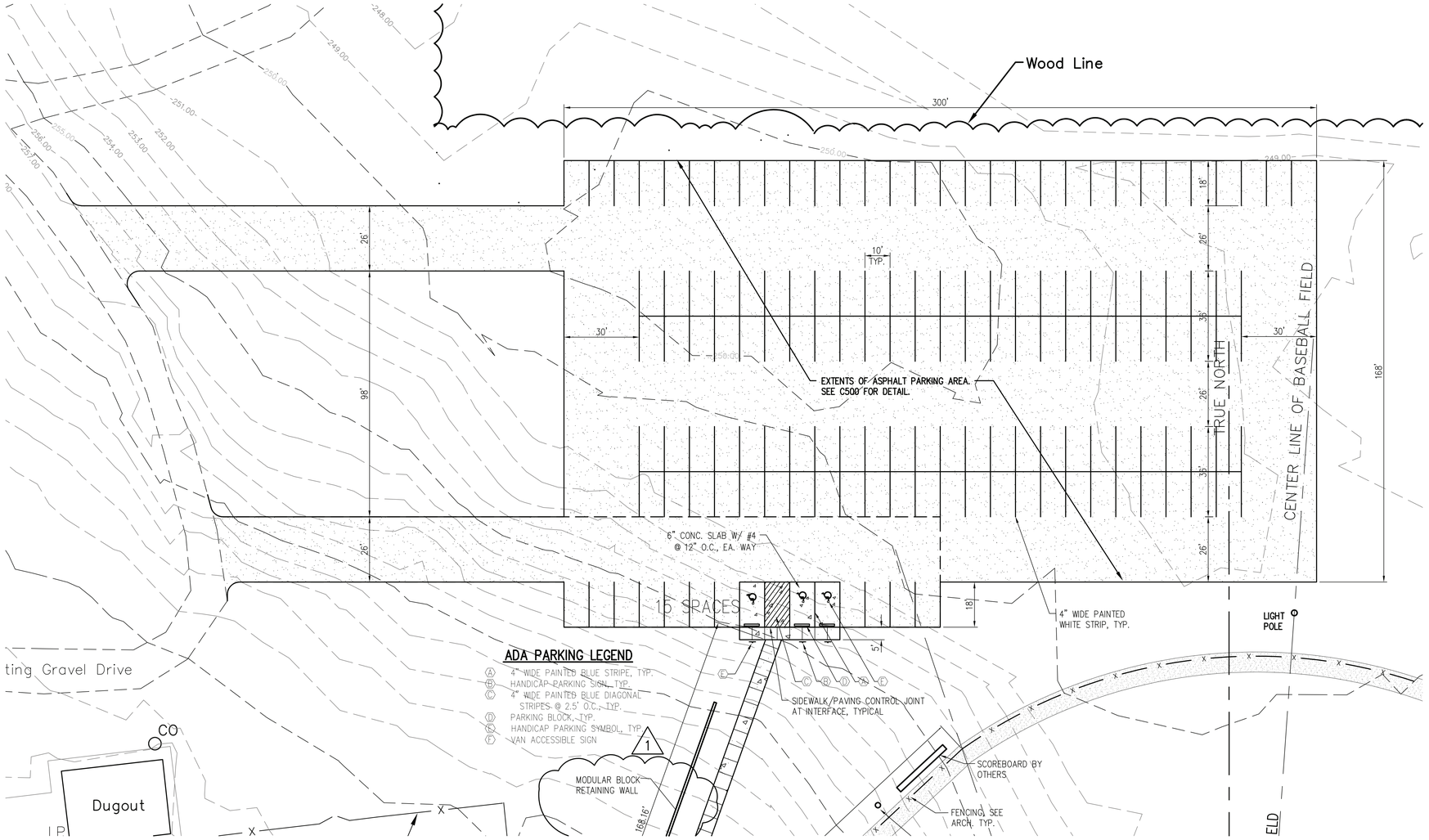

LEGEND

NEW	EXISTING	DESCRIPTION
		BUILDING
	ASPHALT	GRAVEL DRIVE/PARKING
		6" CONCRETE PAVEMENT
		CONCRETE SIDEWALK
—E—		POWER LINE
		WATER VALVE
PM		POWER METER
CO		CLEAN OUT
LP		LIGHT POLE
SPO		SEVICE POLE
— x —	— x —	FENCE

ENLARGED PARKING AREA ADD ALTERNATE #2 SITE PLAN

SCALE: 1" = 20'

20 0 20 40 60

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND PAYING ALL APPLICABLE FEES REQUIRED FOR CONSTRUCTION PURPOSES AND UTILITY HOOKUPS.
2. ALL DISTURBED AREAS NOT RECEIVING PAVEMENT OR LANDSCAPING SHALL BE GRASSED UNLESS NOTED TO BE SODDED. SEE LANDSPACE DRAWINGS FOR GRASSING IN THE FIELD.
3. CONCRETE SIDEWALKS SHALL BE 4" THICK UNLESS NOTED OTHERWISE.
4. SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

KENNETH SIMMONS MISSAK — REGISTERED PROFESSIONAL ENGINEER — 6-29-2020 — 17092 — STATE OF MISSISSIPPI

SE #20026

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1/8" =1'-0" GRAPHIC SCALE
1/4" =1'-0" GRAPHIC SCALE
1/2" =1'-0" GRAPHIC SCALE
3/4" =1'-0" GRAPHIC SCALE
1" =1'-0" GRAPHIC SCALE
1½" =1'-0" GRAPHIC SCALE
3" =1'-0" GRAPHIC SCALE

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI
DN: 19063

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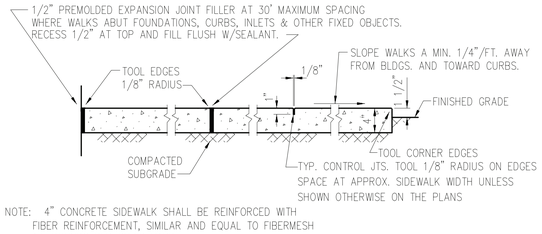
7-23-2020 — 1

Project No: 19063 Revisions:
Date: JUNE 29, 2020
Drawn: KSM
Checked: KSM

ENLARGED PARKING AREA ALTERNATE SITE PLAN

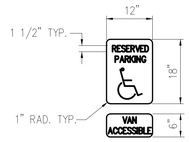
Sheet Number : C203

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI



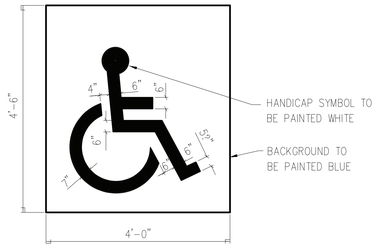
NOTE: 4" CONCRETE SIDEWALK SHALL BE REINFORCED WITH FIBER REINFORCEMENT, SIMILAR AND EQUAL TO FIBERMESH 1.5 POUNDS PER CUBIC YARD.

SIDEWALK DETAIL
NO SCALE

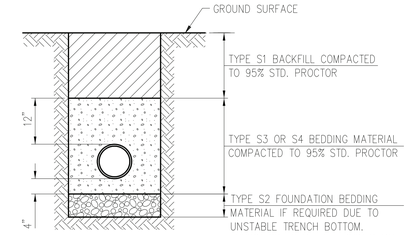


.080 THK. ALUMINUM SIGN – BLUE PAINTED BACKGROUND W/WHITE NATIONAL HANDICAP SYMBOL & WHITE HELVETICA LETTERS.

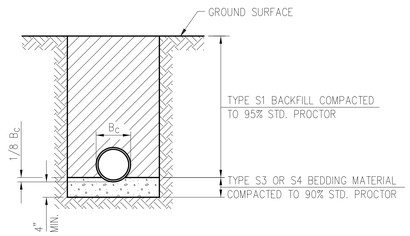
HANDICAP PARKING SIGN
SCALE: NONE



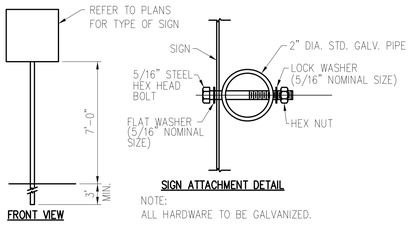
HANDICAP SYMBOL AT PARKING LOT
SCALE: NONE



PVC GRAVITY PIPE OR HDPE TRENCH BEDDING DETAIL
NO SCALE



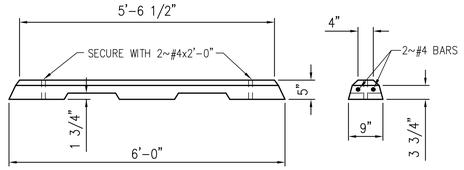
PVC PRESSURE PIPE TRENCH BEDDING DETAIL
NO SCALE



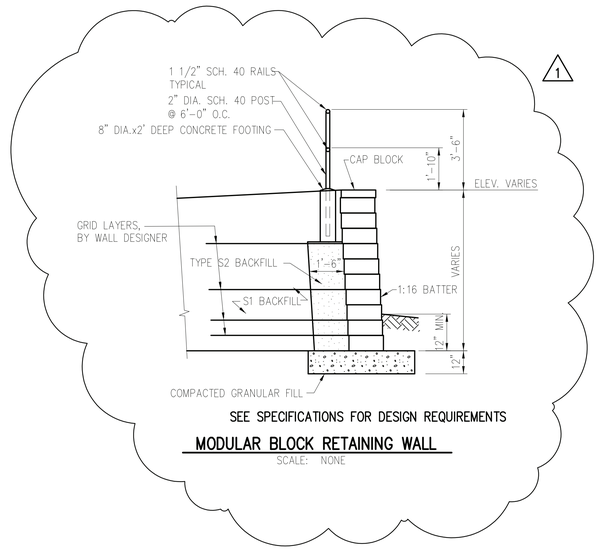
SIGN ATTACHMENT DETAIL

NOTE:
ALL HARDWARE TO BE GALVANIZED.

HANDICAP SIGN INSTALLATION
NO SCALE

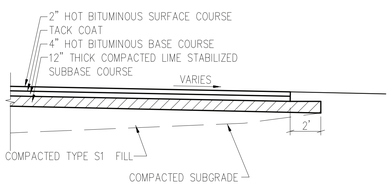


PARKING BLOCK DETAIL

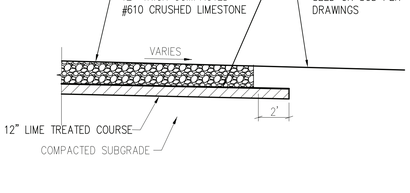


SEE SPECIFICATIONS FOR DESIGN REQUIREMENTS

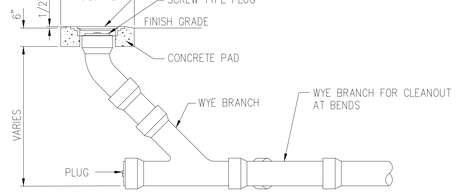
MODULAR BLOCK RETAINING WALL
SCALE: NONE



LIGHT DUTY ASPHALT PAVEMENT
NO SCALE

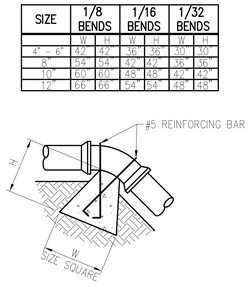


TYPICAL CRUSHED STONE PARKING SECTION
NO SCALE



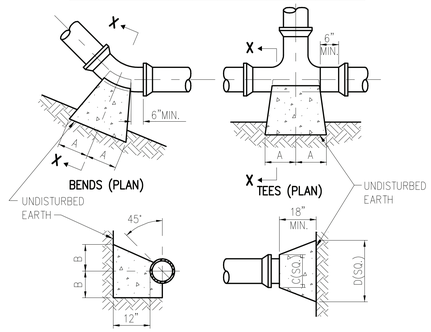
FLUSH GRADE CLEANOUT DETAIL
NO SCALE

SIZE	1/8 BENDS		1/16 BENDS		1/32 BENDS	
	W	H	W	H	W	H
4" - 6"	42"	42"	36"	36"	30"	30"
8"	54"	54"	42"	42"	36"	36"
10"	60"	60"	48"	48"	42"	42"
12"	66"	66"	54"	54"	48"	48"

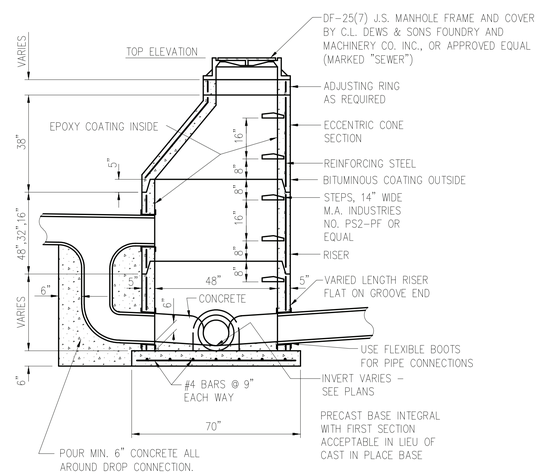


VERTICAL BENDS

SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6" & BELOW	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"
10"	26"	18"	16"	16"	10"	12"	16"	20"	14"	36"
12"	30"	20"	20"	17"	11"	14"	17"	24"	16"	40"



THRUST BLOCKS FOR PRESSURE MAINS
NO SCALE



PRECAST CONCRETE SANITARY SEWER DROP MANHOLE SECTION
NO SCALE

KENNETH SIMMONS MCGEHEE — REGISTERED PROFESSIONAL ENGINEER — 6-29-2020 — 17092 — STATE OF MISSISSIPPI

SE #20026

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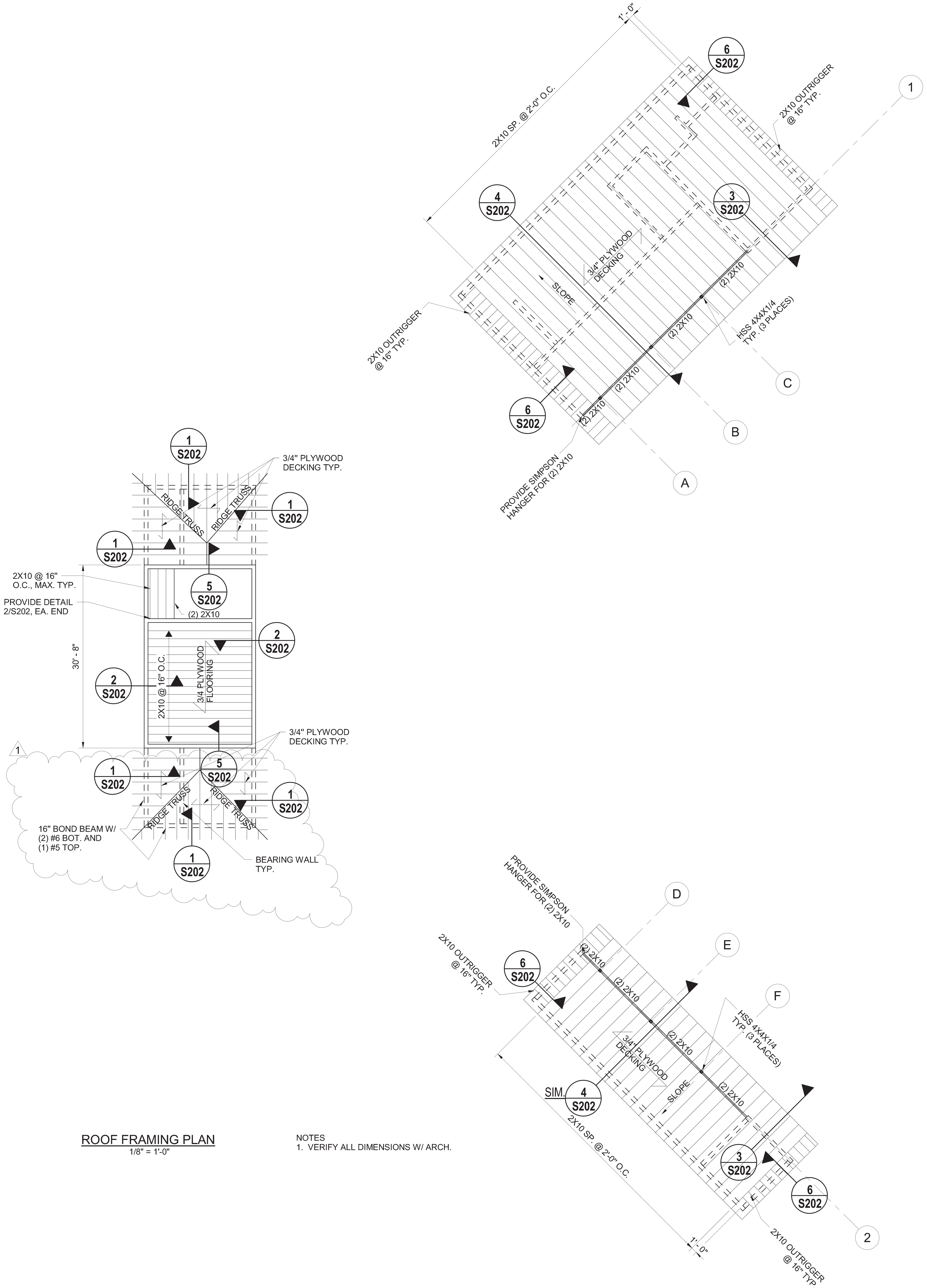
Project No: 19063 Revisions: 1 7-23-2020
Date: JUNE 29, 2020
Drawn: KSM
Checked: KSM

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI

SITE DETAILS
Sheet Number : C500

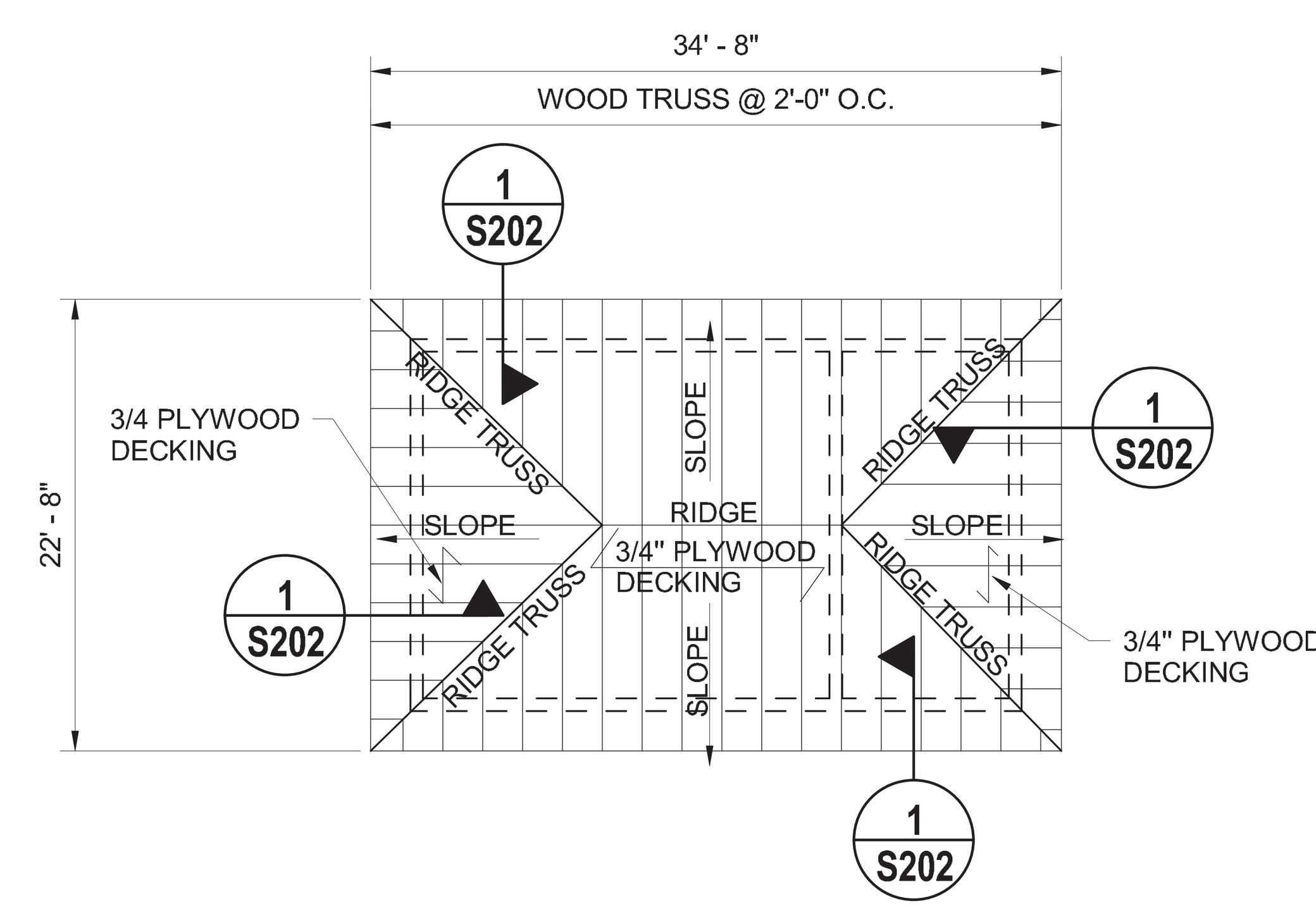
SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI
P.N. 19063

3" =1'-0" GRAPHIC SCALE
1 1/2" =1'-0" GRAPHIC SCALE
1" =1'-0" GRAPHIC SCALE
3/4" =1'-0" GRAPHIC SCALE
1/2" =1'-0" GRAPHIC SCALE
1/4" =1'-0" GRAPHIC SCALE
1/8" =1'-0" GRAPHIC SCALE



ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES
1. VERIFY ALL DIMENSIONS W/ ARCH.



TOP ROOF FRAMING PLAN
1/8" = 1'-0"

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Project No: 19063
Date: 06-29-2020
Drawn: JSB
Checked: KSM
Revisions: 1 7-23-2020

SMITH COUNTY SCHOOL DISTRICT
TAYLORSVILLE BASEBALL FIELD & PRESSBOX
TAYLORSVILLE, MISSISSIPPI

ROOF FRAMING PLANS

Sheet Number: S102
of Sheets

20026

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(601) 982-7766

June 24, 2020

ADDENDUM NO. 1

PROJECT: Taylorsville High School Baseball Field & Pressbox
Taylorsville, MS

FROM: Edmonds Engineering, Inc.
1900 Lakeland Drive, Suite 1
Jackson, Mississippi 39216

The following additions, changes, clarifications and/or substitutions to the Project Drawings as indicated are hereby made a part of the Contract Documents. Acknowledge receipt of this Addendum by inserting its number and date in the Proposal Form where indicated.

Electrical
For Field Lighting:

- Provide infield and outfield footcandle levels per I.E.S. recommendations.
- Poles shall be steel. Foundation shall be concrete. Provide stamped foundation design drawings.
- Drivers shall be provided as recommended by the manufacturer.
- Provide 5 year warranty.
- The control system does not require the ability to be scheduled via computer, app or phone.
- No luminaire monitoring system is required.

END OF ADDENDUM NO. 1