



Addendum No. 1

Spartanburg High School Batting Cages Project No. 021074.00 July 23, 2021

The following clarifications, amendments, additions, deletions, revisions, and/or modifications are hereby made a part of the Contract Documents, and change the original documents only in the manner and to the extent stated below:

Item No. 1: **Mandatory Pre-Bid Conference:**

The Sign in Sheet from the Mandatory Pre-bid Conference is attached.
The following General Contractors attended the Pre-Bid meeting and are eligible to bid this project:

- Clayton Construction
- Sossamon Construction
- Dunbar Construction

Item No. 2: **Project Manual - Section 00 00 02 Table of Contents:**

Delete the previously issued section 00 00 02 in its entirety and replace it with the attached section 00 00 02.

Item No. 3: **Project Manual - Section 00 00 06 Proposal:**

Delete the previously issued section 00 00 06 in its entirety and replace it with the attached section 00 00 06.

Item No. 4: **Project Manual - Section 01 23 00 Alternates:**

Insert the attached section 01 23 00 into the contract documents.

Item No. 5: **Civil Drawings**

Insert the following Civil drawings into the contract documents:

- CV2.1 – Trail Parking Area Site Plan
- CV2.2 – Trail Parking Area Site Details

Item No. 6: **Structural Drawings**

Delete the following previously issued sheets in their entirety and include the following attached drawings into the contract documents:

- S100 – General Notes and Standard Details
- S200 – Foundation and Slab Plan
- S201 – Roof Framing Plan

Item No. 7: **Electrical Drawings**

Delete the following previously issued sheets in their entirety and include the following attached drawings into the contract documents:

- E002 – Single Line Diagram, Existing & New Panel Schedules
- E100 – Electrical Site Plan

This addendum contains

<u> 2 </u>	Summary Pages
<u> 2 </u>	Pre-Bid Sign In Sheets
<u> 3 </u>	Specification Sections
<u> 7 </u>	30x42 Drawings

End of Addendum No. 1

BID SIGN-IN SHEET
Spartanburg High School Batting Cages
Spartanburg School District Seven
McMillan Pazdan Smith Project No. 021074
July 20, 2021

Company	<u>McMillan Pazdan Smith</u>	Name	<u>Donald L. Love, Jr., AIA</u>
Address	<u>127 Dunbar Street</u> <u>Spartanburg, SC 29306</u>	Email Address	<u>dlove@mcmillanpazdansmith.com</u>
Phone	<u>864-585-5678</u>		
Fax	<u>864-542-9451</u>	Trade	<u>Architect</u>
<hr/>			
Company	<u>Clayton Construction Co</u>	Name	<u>Jake Fine</u>
Address	<u>121-A Venture Blvd</u> <u>Spartanburg SC 29306</u>	Email Address	<u>jfine@clayton</u> <u>construction.net</u>
Phone	<u>864-576-1901</u>		
Fax	<u>864-574-1974</u>	Trade	<u>GC</u>
<hr/>			
Company	<u>Bea Sossamon Construction</u>	Name	<u>Brandon Beathe</u>
Address	<u>P.O. Box 26</u> <u>Gaffney, SC 29347</u>	Email Address	<u>brandon@soosamonconstruction.com</u>
Phone	<u>(864) 489-6149</u>		
Fax	<u>(864) 499-7570</u>	Trade	<u>GC</u>
<hr/>			
Company	<u>Dist 7</u>	Name	<u>Thomas White</u>
Address		Email Address	<u>twhite@spad7.com</u>
Phone	<u>864-580-1162</u>		
Fax		Trade	

Pre-Bid Sign-In Sheet
Spartanburg High School Batting Cages
Spartanburg School District Seven
McMillan Pazdan Smith Project No. 021074
July 20, 2021

Company SSD7
Address _____
Phone 864-594-4500
Fax _____

Name Stephen Russell
Email Address smrussell@spart7.org

Trade _____

Company SSD7
Address _____
Phone _____
Fax _____

Name TERRY GILMER
Email Address tgilmer@spart7.org

Trade _____

Company BAI
Address _____
Phone _____
Fax _____

Name TREY BLACKWOOD
Email Address tblackwood@baisgroup.net

Trade _____

Company Dunbar Construction
Address _____
Phone _____
Fax _____

Name Trey Thomas
Email Address trey@dunbarconstruction.net

Trade _____

TABLE OF CONTENTS

Section

00 00 03	Advertisement	
00 00 04	Instructions to Bidders	
00 00 05	Supplementary Instructions to Bidders	
00 00 06	Proposal	ADDENDUM 1
00 00 07	General Conditions	
00 00 08	Supplementary Conditions	
00 00 09	Request For Substitute Form	
00 00 10	Asbestos Certification	
00 00 12	Certification, Site Visit	
00 00 13	Geotechnical Report	

Technical Specifications

Division 1 General Requirements

01 10 00	Summary of Work	
01 14 00	Work Restrictions	
01 23 00	Alternates	ADDENDUM 1
01 21 00	Allowances	
01 25 00	Substitution Procedures	
01 26 00	Contract Modification Procedures	
01 29 00	Payment Procedures	
01 31 00	Project Management and Coordination	
01 31 19	Project Meetings	
01 32 00	Construction Progress Documentation	
01 33 00	Submittal Procedures	
01 33 01	Digital Data Licensing Agreement	
01 40 00	Quality Requirements	
01 45 10	Special Inspections and Structural Testing	
01 50 00	Temporary Facilities and Controls	
01 56 39	Tree and Plant Protection	
01 60 00	Product Requirements	
01 73 00	Execution	
01 74 19	Construction Waste Management and Disposal	
01 77 00	Closeout Procedures	
01 78 23	Operation and Maintenance Data	
01 78 36	Warranties	
01 78 39	Project Record Documents	
01 79 00	Demonstration and Training	
01 81 16	Environmental Requirements	

Division 2 Existing Conditions

02 41 12	Selective Demolition	
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Division 3 Concrete

03 30 00	Cast-in-Place Concrete	
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**Batting Cages For
Spartanburg High School**
Spartanburg School District Seven
Spartanburg, South Carolina

Project Number 021074.00

Division 4 Masonry

04 20 00 Unit Masonry

Division 5 Metals

05 44 00 Cold Formed Metal Trusses
05 50 00 Metal Fabrications

Division 6 Wood, Plastics And Composites

06 10 00 Rough Carpentry
06 12 13 Cementitious Reinforced Panels

Division 7 Thermal And Moisture Protection

07 11 13 Bituminous Dampproofing, Cold Applied
07 26 16 Vapor Retarder Under-Slab
07 41 13 Metal Roof Panels
07 46 34 Vinyl Soffit
07 46 46 Cementitious Siding and Panels
07 62 00 Sheet Metal Flashing and Trim for Roofing

Division 8 Doors And Windows

08 11 13 Hollow Metal Doors and Frames
08 31 13 Access Doors
08 71 00 Door Hardware

Division 9 Finishes

09 05 10 Preparing Substrates for Finishes
09 10 01 Self Leveling Concrete Underlayment
09 62 53 Synthetic Turf Flooring
09 91 00 Painting

Division 11 Equipment

11 68 33 Athletic Field Equipment

Division 31 Earthwork

31 05 23 Cement Concrete Pavement
31 10 00 Site Clearing
31 20 00 Earthwork
31 25 00 Environmental Protection
31 31 16 Termite Control

Division 32 Exterior Improvements

32 92 00 Grassing
32 92 00 Temporary Grass

Division 33 Utilities

33 25 10 Water Distribution
33 41 00 Storm Utility Drainage Piping

End Of Table Of Contents

PROPOSAL BY

Name of General Contractor Submitting Proposal

Board of Trustees
Spartanburg School District Seven
Spartanburg, South Carolina

Reference: Batting Cages for
Spartanburg High School
Spartanburg School District Seven
Spartanburg, South Carolina

ADDENDA

The following addenda have been received by this contractor:

Addendum #1 _____	Dated: _____
Addendum #2 _____	Dated: _____
Addendum #3 _____	Dated: _____
Addendum #4 _____	Dated: _____
Addendum #5 _____	Dated: _____

The undersigned, having familiarized themselves with the local conditions affecting the cost of the work, and with the drawings and specifications, including all addenda prepared by McMillan Pazdan Smith hereby propose to furnish all labor, material, equipment and services necessary to construct the Batting Cages for Spartanburg High School in Spartanburg School District Seven, Spartanburg, South Carolina in accordance with the above documents for the lump sum of:

BASE BID: _____
_____ Dollars (\$_____.)

ALTERNATES:

Alternate No. 1: **Parking Lot** _____ Dollars (Add \$_____)

SUBCONTRACTORS

Listed below are the names of the subcontractors this contractor will employ on this project to install the applicable portion of the work.

Electrical: _____

In submitting this bid, it is understood that:

The Owner reserves the right to reject any or all bids, and/or award the contract in accordance with their best interest.

This bid proposal may not be withdrawn for a period of thirty (30) days from the date of bid opening.

The bidder agrees to the conditions set forth in the paragraph titled "Time of Completion and Liquidated Damages" in the Supplementary General Conditions of the specifications.

Security, in the sum of 5% of the base bid, is submitted in accordance with the Supplementary Instructions to Bidders.

General Contractor: _____

By: _____

Address: _____

Phone Number: _____

Fax Number: _____

Contractor's License Number: _____

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced contain requirements for materials necessary to achieve the work described under each alternate.

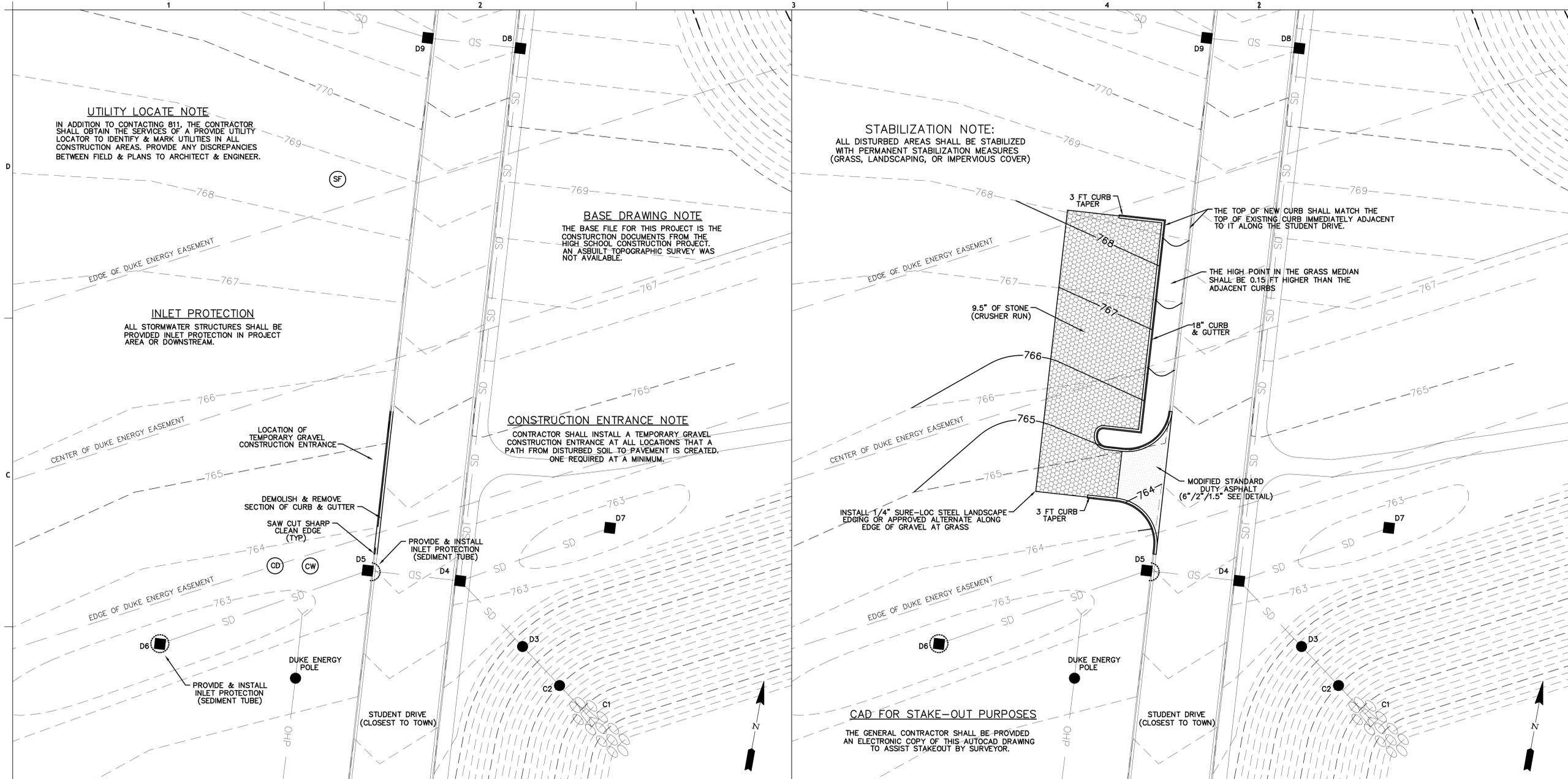
PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1 – Parking Lot
All work associated with the parking area located adjacent to the student drive as shown on Civil drawings CV2.1 and CV2.2

END OF SECTION 01 23 00



UTILITY LOCATE NOTE

IN ADDITION TO CONTACTING 811, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A PROVIDE UTILITY LOCATOR TO IDENTIFY & MARK UTILITIES IN ALL CONSTRUCTION AREAS. PROVIDE ANY DISCREPANCIES BETWEEN FIELD & PLANS TO ARCHITECT & ENGINEER.

BASE DRAWING NOTE

THE BASE FILE FOR THIS PROJECT IS THE CONSTRUCTION DOCUMENTS FROM THE HIGH SCHOOL CONSTRUCTION PROJECT. AN ASBUILT TOPOGRAPHIC SURVEY WAS NOT AVAILABLE.

STABILIZATION NOTE:

ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT STABILIZATION MEASURES (GRASS, LANDSCAPING, OR IMPERVIOUS COVER)

INLET PROTECTION

ALL STORMWATER STRUCTURES SHALL BE PROVIDED WITH PROTECTION IN PROJECT AREA OR DOWNSTREAM.

CONSTRUCTION ENTRANCE NOTE

CONTRACTOR SHALL INSTALL A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE AT ALL LOCATIONS THAT A PATH FROM DISTURBED SOIL TO PAVEMENT IS CREATED. ONE REQUIRED AT A MINIMUM.

INSTALL 1/4" SURE-LOC STEEL LANDSCAPE EDGING OR APPROVED ALTERNATE ALONG EDGE OF GRAVEL AT GRASS

CAD FOR STAKE-OUT PURPOSES

THE GENERAL CONTRACTOR SHALL BE PROVIDED AN ELECTRONIC COPY OF THIS AUTOCAD DRAWING TO ASSIST STAKEOUT BY SURVEYOR.

EXISTING CONDITIONS & SITE PREPARATION

SCALE 1" = 20' SITE PLAN

SCALE 1" = 20'

SITE CONSTRUCTION NOTES

- COORDINATE LOCATION OF FOLLOWING ITEMS WITH CITY OF SPARTANBURG INSPECTORS.
 - ALL LITTER, TRASH AND CONSTRUCTION DEBRIS SHALL BE COLLECTED, STORED AND DISPOSED OF IN ACCORDANCE WITH SCDHEC SOLID WASTE REGULATIONS. PROVIDE TEMPORARY 4' TALL HOGWIRE - 10' X10' SQUARE STORAGE AREA.
 - PROVIDE TEMPORARY SANITARY FACILITIES SHALL BE LOCATED ON A FLAT SURFACE AWAY FROM DRAINAGE FACILITIES, CATCH BASINS, WATERCOURSES AND TRAFFIC CIRCULATION. UPON DISCOVERY, ANY SPILLED MATERIAL SHALL BE CLEANED UP IMMEDIATELY. ALL COLLECTED MATERIAL, CONTAMINATED RAGS AND ABSORBENT MATERIALS SHALL BE DISPOSED OF APPROPRIATELY. LIME SHALL BE SPREAD ON THE CONTAMINATED AREA.
 - CEMENT WASTE AND WASHOUT SHALL NOT BE ALLOWED TO DISCHARGE TO STORM DRAINS, DETENTION PONDS OR WATER COURSES. BE COLLECTED IN A DEPRESSED BERMED AREA AND ALLOWED TO HARDEN. IT SHALL NOT BE ALLOWED TO DISCHARGE TO STORM DRAINS, STORM WATER DETENTION FACILITIES OR WATERCOURSES. PROVIDE 10" DIAMETER - 8" MULCH TUBE TO CONTAIN CONCRETE WASHOUT

SEQUENCE OF EVENTS

- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD WITH CITY OF SPARTANBURG AT LEAST 48 HOURS PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES. THE OWNER, DESIGN ENGINEER AND CONTRACTOR MUST BE PRESENT AND HAVE OBTAINED THE STORMWATER PERMIT, STAMPED APPROVED PLANS AND THE N.O.I APPROVED LETTER FROM SCDHEC BEFORE CALLING TO SCHEDULE THIS MEETING.
- RECEIVE NPDES COVERAGE FROM SCDHEC.
 - HAVE PRE-CONSTRUCTION (CEPSCI CERTIFICATION MEETING).
 - NOTIFY CITY OF SPARTANBURG 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
 - INITIAL EROSION CONTROL (CV2.1)**
 - CLEARING AND GRUBBING / DEMOLITION ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS (EG. SILT FENCE AND CONSTRUCTION ENTRANCE)
 - INSTALL PERIMETER CONTROLS.
 - GRADING (CV2.1)**
 - CONTINUE & COMPLETE CLEARING AND GRUBBING.
 - BEGIN & COMPLETE GRADING OPERATIONS.
 - CONSTRUCT CURB & GUTTER
 - INSTALL STONE BASE
 - STABILIZATION (CV2.1)**
 - APPLY GRASSING IN ACCORDANCE WITH GRASS NOTES.
 - INSPECT AND MAINTAIN ALL EROSION CONTROL AS INDICATED IN GRADING NOTES.
 - PERMANENT GRASS SHALL BE INSTALLED FOR ALL AREAS AT FINAL GRADE AND IN SEASON INDICATED ON GRASS NOTES.
 - AFTER COMPLETION OF CONSTRUCTION AND THE SITE IS STABILIZED:
 - REMOVE ALL ACCUMULATED SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS THE SITE.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREAS AND APPLY GRASSING PER GRASS NOTES/SPECIFICATIONS.
 - SUBMIT THE NOTICE OF TERMINATION TO CITY OF SPARTANBURG.

SPECIFICATION NOTES

- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND LINES AND UTILITIES BEFORE EXCAVATION. ADVISE ENGINEER IMMEDIATELY OF ANY VARIATIONS. ALL EXCAVATIONS NEAR THESE LINES SHALL BE WITH CAUTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION WHICH AFFECTS NEW CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION AND/OR RELOCATION AS NECESSARY AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY ALL WORK PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. DISCONTINUE WORK IN ALL AFFECTED AREAS UNTIL RESOLVED BY ENGINEER.
- EARTHWORK SHALL BE TO THE LINES AND GRADES SHOWN. THE CONTRACTOR SHALL PROOF-ROLL THE CONSTRUCTION AREA WITH HEAVY-PNEUMATIC EQUIPMENT. ALL SOFT SPOTS SHALL BE UNDERCUT AND RECOMPACTED WITH SUITABLE STRUCTURAL FILL MATERIAL. ALL FILL COMPACTION SHALL BE 98% OF MAXIMUM PER ASTM D-698 (STANDARD PROCTOR). ALL MATERIAL WITHIN 18 INCHES OF PAVEMENT AND BUILDING SUBGRADE SHALL BE COMPACTED TO 98% OF MAXIMUM. FILL MATERIAL SHALL NOT CONTAIN ORGANIC MATERIAL, DEBRIS OR ROCKS. WHERE FILL IS TO BE PLACED, ALL EXISTING VEGETATION, ROOTS AND OTHER ORGANIC MATTER DOWN TO 12 INCHES BELOW EXISTING GRADE SHALL BE STRIPPED AND DISPOSED OF AS DIRECTED. FILL SHALL BE PLACED IN SUCCESSIVE LAYERS OF NOT MORE THAN 8 INCHES LOOSE THICKNESS. EACH LAYER SHALL BE SPREAD EVENLY AND COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS INCLUDING PAVEMENT, CONCRETE, AND UNSUITABLE MATERIAL FROM THE SITE. ALL AREAS UNDER EXISTING PAVEMENT SHALL BE SCARIFIED BEFORE PLACING STRUCTURAL FILL MATERIAL.
- ASPHALT PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND THE SOUTH CAROLINA D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL REQUIRED STRIPING AND SIGNAGE FOR WORK ON SITE AND S.C.D.O.T. R.O.W. ALL SITE STRIPING TO COMPLY WITH SCDOT STANDARD PAINT REQUIREMENTS. THERMOPLASTIC PAINT REQUIRED IN SCDOT RIGHT OF WAY.
- CONCRETE SHALL BE 4,000 PSI CONCRETE MINIMUM. STEEL REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

SITE PLAN NOTES

- CONTRACTOR SHALL IDENTIFY THE LOCATION AND ELEVATIONS OF ALL UTILITIES ON SITE BEFORE CONSTRUCTION.
- ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ALL DIMENSIONS ARE TO THE FACE OF CURB, FACE OF THE BUILDING, OR THE EDGE OF PAVEMENT
- REFER TO EROSION CONTROL, GRADING, GRASSING, AND UTILITY NOTES FOR ADDITIONAL INFORMATION.
- FOLLOW ALL S.C.D.O.T., AND OSHA GUIDELINES AND REGULATIONS WHEN CONSTRUCTING UTILITY AND DRAINAGE TIES IN HIGHWAY.

ALTERNATE ONE:

ALTERNATE ONE CONSISTS OF ALL WORK ASSOCIATED WITH THE TRAIL PARKING AREA AS SHOWN ON CV2.1 AND CV2.1.

GENERAL NOTES:

- THIS TRACT CONTAINS 176.85 AC. BLOCK MAP: 7-09-00-013.00
- OWNER CONTACT: SPARTANBURG COUNTY SCHOOL DISTRICT SEVEN
DR. THOMAS WHITE
610 DUPRE DRIVE
SPARTANBURG, SC 29302
PHONE: (864) 594-4400
- SITE ENGINEER: BLACKWOOD ASSOCIATES INC.
PO BOX 366
SPARTANBURG, SC 29304
PHONE: (864) 583-5432

EROSION CONTROL LEGEND

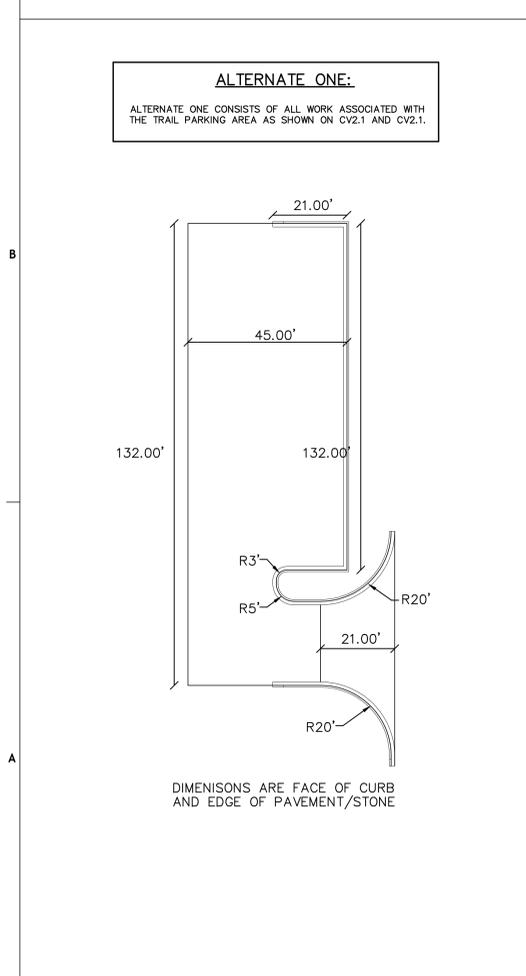
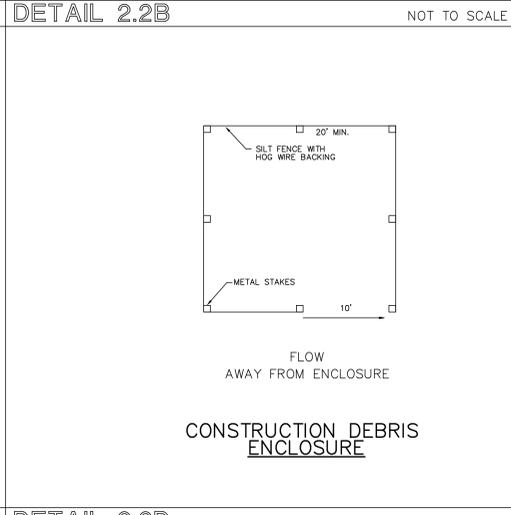
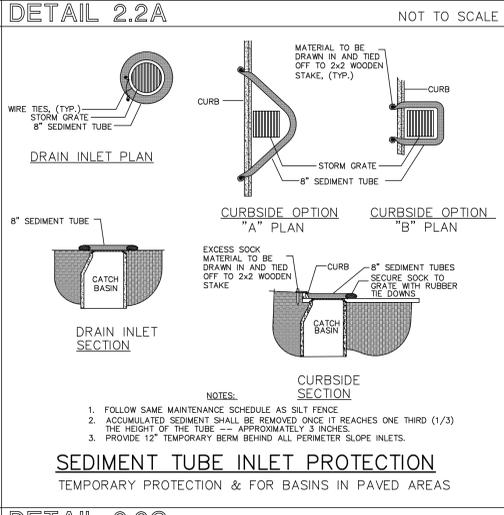
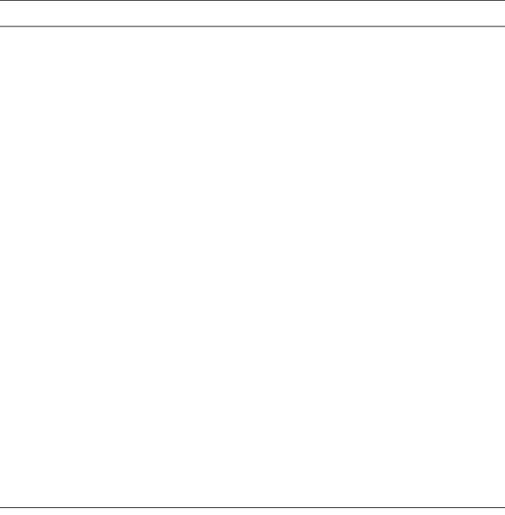
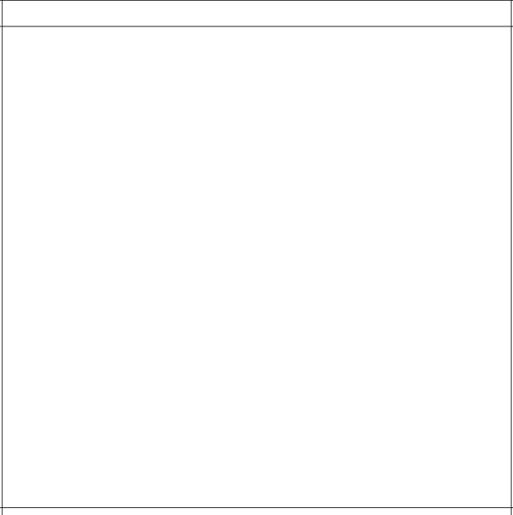
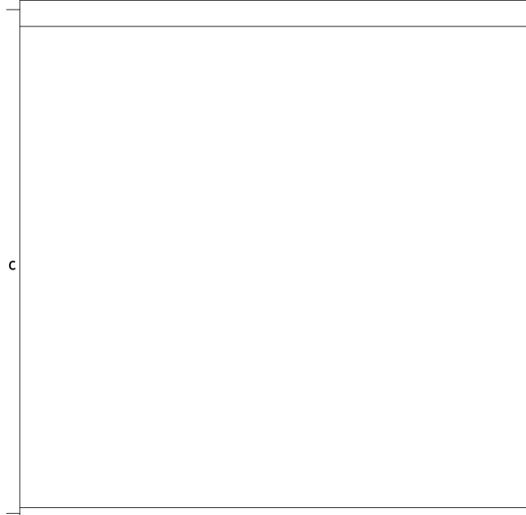
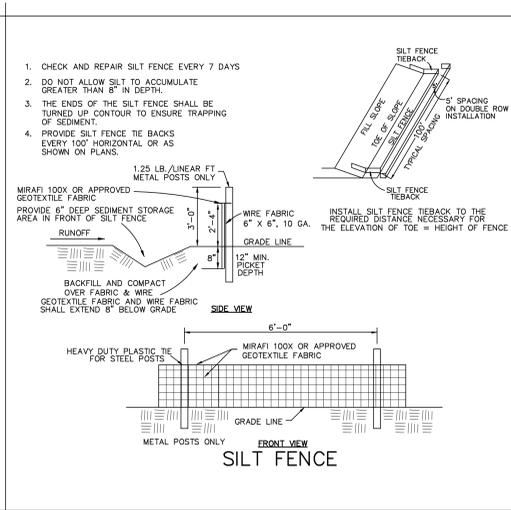
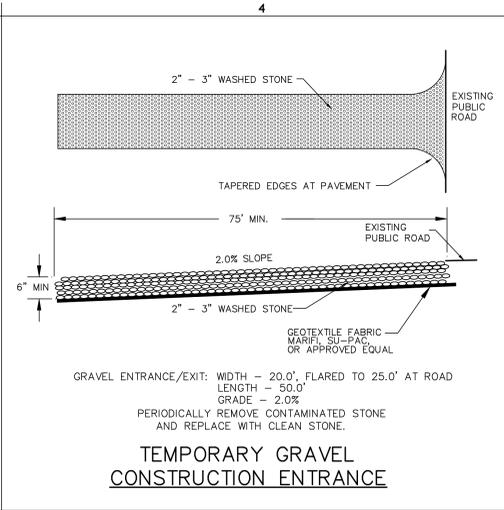
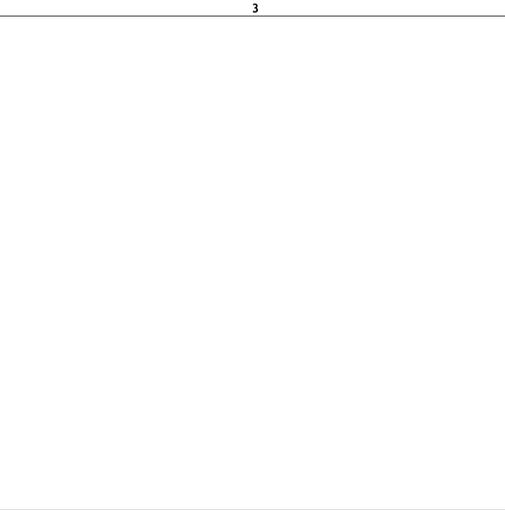
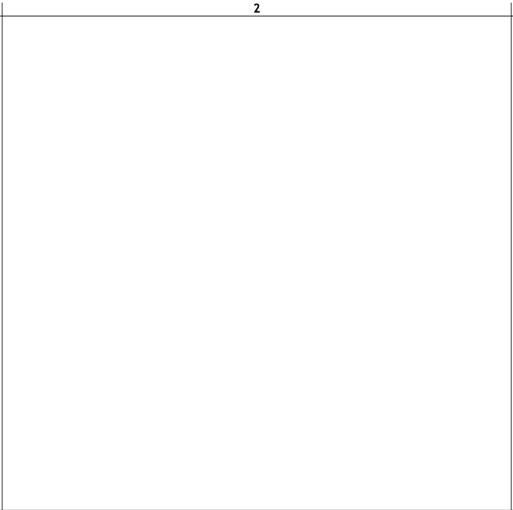
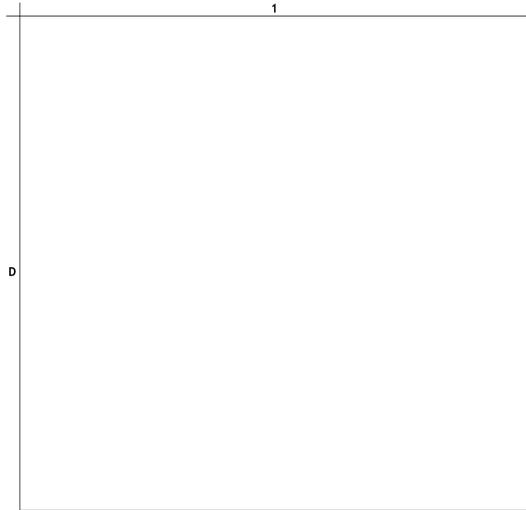
- SILT FENCE
- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
- INLET PROTECTION
- LIMITS OF DISTURBANCE
- PROVIDE CONCRETE WASHDOWN
- PROVIDE SANITARY FACILITY
- PROVIDE CONST. DEBRIS ENCLOSURE

SHEET ISSUE NO.	DATE	DESCRIPTION	BY
1	07/22/2021	ADDENDUM #1	WAB

BID DOCUMENTS	07/06/2021
PRINCIPAL IN CHARGE:	WAB
PROJECT ENGINEER:	WAB
DRAWN BY:	WAB

SHEET TITLE:
**TRAIL
PARKING AREA
SITE PLAN**

SHEET NO.	PROJ. NO.
CV2.1	021074.00



SCDHEC STANDARD NOTES

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE CALENDAR EVERY WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FULL COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SORC0000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LOADED WATER TO APPROPRIATE TRAILS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE TO STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTION DATA AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASINS, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASHWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT APPROVES OTHERWISE.

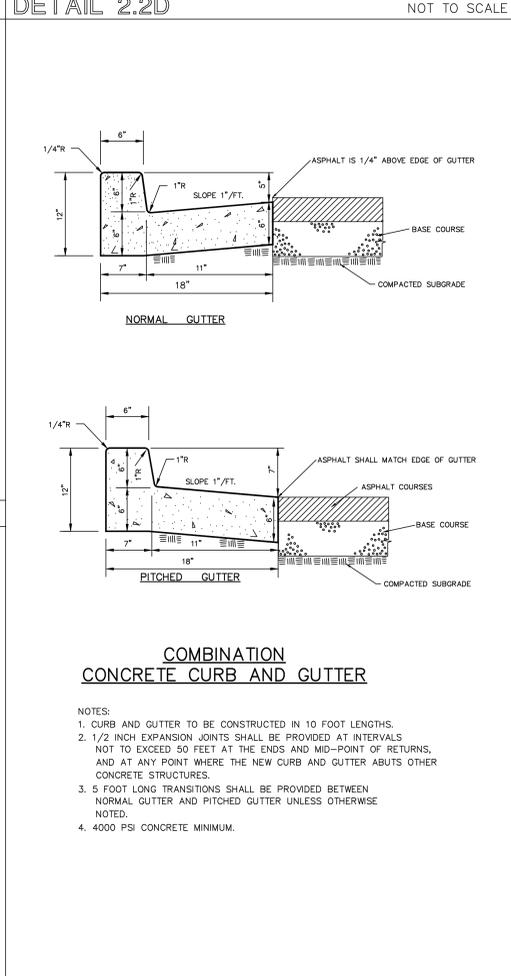
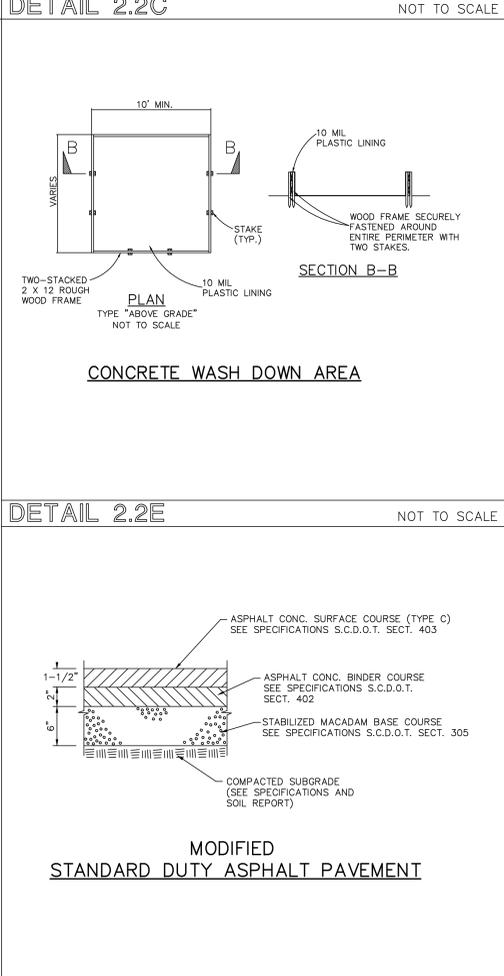
GRASS NOTES:

- ON ANY PORTION OF THE SITE WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AS SOON AS PRACTICAL, BUT NOT EXCEEDING FOURTEEN (14) DAYS AFTER WORK HAS CEASED. TEMPORARY GRASS SHALL BE APPLIED IN AREAS WHERE FUTURE CONSTRUCTION WILL RE-DISTURB THIS AREA, OTHERWISE, PERMANENT GRASS SHALL BE APPLIED.
- IN ANY AREA IN WHICH TEMPORARY GRASS HAS BEEN APPLIED, THE GRASS SHALL BE MOWED AND THE SEED BED RE-SCARIFIED BEFORE PERMANENT GRASS APPLICATION.
- BEFORE PERMANENT GRASS SEEDING IS PERFORMED, THE ENGINEER/OWNER SHALL BE NOTIFIED FOR AN ON SITE INSPECTION OF THE PREPARED SEED BED AND FOR AN INSPECTION OF THE QUANTITIES OF MATERIAL TO BE APPLIED. CALL (864) 583-5432 TO SCHEDULE AN INSPECTION.
- THE CONTRACTOR SHALL PROVIDE A CERTIFIED LETTER INDICATING THE QUANTITIES OF MATERIAL APPLIED PER ACRE.
- BEFORE ACCEPTANCE OF THE SEEDING PERFORMED FOR THE ESTABLISHMENT OF PERMANENT VEGETATION, THE CONTRACTOR WILL BE REQUIRED TO PRODUCE A UNIFORM VEGETATIVE COVER WITH A DENSITY OF % OF THE SEEDING AREA.
- GRASSING SHALL BE PROVIDED FOR ALL DISTURBED AREAS WITH THE FOLLOWING CRITERIA:
 - LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE CONTAINING AT LEAST 34% MAGNESIUM CARBONATE.
 - SEED SHALL BE A MINIMUM 90% PURITY AND 80% GERMINATION.
 - AREAS TO HAVE GRASS APPLIED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLODS OR CLUMPS GREATER THAN 3" BROKEN UP AND FOREIGN MATERIAL INCLUDING ROCK, ROOTS, AND MISC. DEBRIS REMOVED.
 - FERTILIZER AND LIME SHALL BE THOROUGHLY WORKED INTO THE SOIL AND THE SURFACE RAKED SMOOTH BEFORE APPLYING SEED.
 - SEED SHALL BE APPLIED EVENLY AT THE MINIMUM RATE AND RAKED IN LIGHTLY WITH APPROXIMATELY 1/4" TOPSOIL COVER. SEEDING AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) SHALL BE APPLIED MECHANICALLY.
 - AREAS SHALL BE SPRAYED IMMEDIATELY WITH AN EMULSION TO BIND SEED AND MULCH.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MAINTENANCE NECESSARY TO KEEP SEEDING AREAS IN SATISFACTORY CONDITION UNTIL THE WORK IS ACCEPTED. THIS INCLUDES MOWING, IRRIGATING, REPAIRING OF EROSION WASHES, AND ADDITIONAL SEED, FERTILIZER AND MULCH APPLIED TO AREAS WHERE A SATISFACTORY STAND OF GRASS HAS NOT BEEN ACHIEVED. ALL COSTS INCLUDING IRRIGATING AND MOWING TO BE INCLUDED IN BASE BID PRICE.
- PAYMENT TO THE CONTRACTOR SHALL NOT EXCEED 75% OF THE CONTRACT PRICE FOR GRASS UNTIL A SATISFACTORY STAND OF PERMANENT GRASS HAS BEEN OBTAINED.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING A STAND OF GRASS WITH A ROOT SYSTEM THAT HAS DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE CONTRACTOR SHALL WARRANT ALL GRASS FOR A PERIOD OF 1 YEAR BEGINNING FROM THE DATE OF ACCEPTANCE BY THE OWNER/ENGINEER.
- ALL COSTS FOR PROVIDING AN ACCEPTABLE STAND OF GRASS (PERMANENT & TEMPORARY SEEDINGS) SHALL BE INCLUDED IN BASE BID. NO ADDITIONAL CHARGES WILL BE HONORED FOR REPAIRS DUE TO WEATHER OR OTHER REASONS. THE CONTRACTOR SHALL ACCEPT RESPONSIBILITY AND COSTS FOR PROVIDING AN ACCEPTABLE STAND OF GRASS.

TEMPORARY GRASS		PERMANENT GRASS	
JAN 1 - MAY 1		MAY 1 - AUGUST 31	
RYE (GRASS)	110 LB/ACRE	BERMUDA (WITHOUT HULLS)	75 LB/ACRE
ANNUAL LESPEDEZA	30 LB/ACRE	BROWN TOP MILLET	10 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE	FESCUE	25 LB/ACRE
AGRICULTURAL LIMESTONE	2000 LB/ACRE	FERTILIZER 10-10-10	1000 LB/ACRE
FERTILIZER 10-10-10	500 LB/ACRE	(EARTH FRIENDLY - SLOW NITROGEN RELEASE)	3000 LB/ACRE
(EARTH FRIENDLY - SLOW NITROGEN RELEASE)		AGRICULTURAL LIMESTONE	4000 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE	MULCH (STRAW)	4000 LB/ACRE
MAY 1 - AUG 15		SEPTEMBER 1 - APRIL 30	
GERMAN MILLET	50 LB/ACRE	FESCUE	150 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE	BERMUDA (WITH HULLS)	50 LB/ACRE
AGRICULTURAL LIMESTONE	2000 LB/ACRE	RYE GRASS	25 LB/ACRE
FERTILIZER 10-10-10	500 LB/ACRE	FERTILIZER 10-10-10	1000 LB/ACRE
(EARTH FRIENDLY - SLOW NITROGEN RELEASE)		(EARTH FRIENDLY - SLOW NITROGEN RELEASE)	3000 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE	AGRICULTURAL LIMESTONE	4000 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE	MULCH (STRAW)	4000 LB/ACRE
AUG 15 - DEC 30			
RYE (GRASS)	110 LB/ACRE		
MULCH (STRAW)	4000 LB/ACRE		
AGRICULTURAL LIMESTONE	3000 LB/ACRE		
FERTILIZER 10-10-10	500 LB/ACRE		
(EARTH FRIENDLY - SLOW NITROGEN RELEASE)			

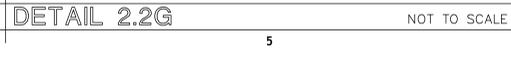
SLOPES (2.5:1 AND STEEPER)

WEEDING LOVEGRASS	25 LB/ACRE
FERTILIZER 10-10-10	1000 LB/ACRE
(EARTH FRIENDLY - SLOW NITROGEN RELEASE)	3000 LB/ACRE
AGRICULTURAL LIMESTONE	4000 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE



STANDARD DHEC NOTES

GRASSING NOTES



GENERAL NOTES - STRUCTURAL

- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR THESE GENERAL NOTES BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED.
- THE ENGINEER IS NOT RESPONSIBLE FOR MEANS OR METHODS OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS ON THE DRAWINGS. COORDINATE LOCATIONS OF OPENINGS THROUGH FLOORS, ROOFS AND WALLS WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- VISITS TO JOB SITE BY THE ENGINEER OR HIS REPRESENTATIVE DO NOT CONSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS. SHOP DRAWINGS FOR ANY FABRICATED COMPONENTS OR COMPONENTS DESIGNED BY MANUFACTURER SHALL BE REVIEWED FOR COMPLIANCE BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ARCHITECT OR ENGINEER FOR APPROVAL. APPROVAL BY THE ARCHITECT OR ENGINEER MUST BE GIVEN PRIOR TO FABRICATION OR ERECTION OF ANY SUCH COMPONENTS. SHOP DRAWINGS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT LOCATION. DURING AND AFTER CONSTRUCTION, THE CONTRACTOR AND OWNER SHALL KEEP LOGS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LIVE LOADS FOR THE OCCUPANCY. SEE 'STRUCTURAL DESIGN CRITERIA'.

FOUNDATIONS & EXCAVATIONS

- DRIILLED PIER FOOTINGS ARE DESIGNED PER THE REQUIREMENTS AND RECOMMENDATIONS OF THE SOILS REPORT. DRIILLED PIER FOOTING EXCAVATIONS SHALL BE EXAMINED AND APPROVED AND CAPACITY SHALL BE VERIFIED BY GEOTECHNICAL CONSULTANT PRIOR TO POURING FOOTING.
- COMPACTED FILL SHALL CONFORM TO MINIMUM 95% STANDARD PROCTOR MAXIMUM DRY DENSITY PER THE GEOTECHNICAL REPORT.
- FOOTING EXCAVATIONS SHALL BE PROTECTED FROM EXPOSURE TO THE ENVIRONMENT BY LEFT OPEN OVER 24 HOURS BY COVERING WITH POLYETHYLENE OR PLACING A 2'-4" MID MAT OF LEAN CONCRETE (2000 PSI).
- SITE PREPARATION FOR EXCAVATION, DRAINAGE, FILL PLACEMENT AND DRIILLED PIER INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY S&ME, INC. (DATED JUNE 11, 2021 - S&ME JOB NO. 215184) WHICH SHALL BE A PART OF THESE CONTRACT DOCUMENTS.

CAST-IN-PLACE CONCRETE

- ALL CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 318-14 LATEST EDITION REQUIREMENTS.
- UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS FOR FOUNDATIONS, 4000 PSI IN 28 DAYS FOR WALLS AND FLOOR SLABS AND 5000 PSI FOR ISOLATED PIERS. SLUMP LIMITS FOR ALL CONCRETE SHALL BE:
 - RAMPS, SLABS AND SLOPING SURFACES.....NOT MORE THAN 3"
 - REINFORCED FOUNDATION SYSTEMS.....NOT LESS THAN 1", NOT MORE THAN 3"
 - CONCRETE CONTAINING HWR ADMIXTURE.....NOT MORE THAN 8" AFTER ADDING ADMIXTURE TO FIELD-VERIFIED 2'-3" SLUMP CONCRETE
 - MAXIMUM SLUMP FOR ALL OTHER CONCRETE NOT TO EXCEED 4"
- PROVIDE AIR ENTRAINMENT TO CONCRETE TO PREVENT FREEZING AND THAWING AT A RATE OF 4-8% AIR ENTRAINING ADMIXTURES TO CONFORM TO ASTM C660. PORTLAND CEMENT SHALL CONFORM TO ASTM C150 TYPE I AGGREGATE SHALL CONFORM TO ASTM C33 AND ACI 119 REQUIREMENTS. SUBMIT MIX DESIGN TO ENGINEER FOR APPROVAL PRIOR TO USE.
- DESIGN MIXES TO PROVIDE NORMAL WEIGHT CONCRETE WITH THE FOLLOWING PROPERTIES:
 - 4000 PSI 28-DAY COMPRESSIVE STRENGTH - W/C RATIO < 0.58 (NON-AIR-ENTRAINED) < 0.49 (AIR-ENTRAINED)
 - 3000 PSI 28-DAY COMPRESSIVE STRENGTH - W/C RATIO < 0.69 (NON-AIR-ENTRAINED) < 0.60 (AIR-ENTRAINED)
- UNLESS OTHERWISE NOTED, ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60, DEFORMED.
- UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (A.C.I. 315) AND ACI 318 REQUIREMENTS. ALL CONTINUOUS BARS SHALL BE HOOKED AND LAPPED AT CORNERS AND INTERSECTING FOOTINGS. SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS OR 12" WHICHEVER IS GREATER. BARS SHALL BE SECURELY WIRED TOGETHER.
- UNLESS OTHERWISE NOTED, REINFORCE ALL CONCRETE SLABS ON GRADE WITH 6 X 6 #2 @ 24" X #2 @ 24" WELDED WIRE FABRIC CONFORMING TO ASTM SPECIFICATION A-185. WELDED WIRE FABRIC SHALL LAP A MINIMUM OF 6" AT ALL SIDES AND ENDS AND BE SECURELY WIRED TOGETHER.
- PROVIDE SAWN OR FORMED CONTROL JOINTS IN ALL SLABS ON-GRADE. LOCATE JOINTS SO THAT MAXIMUM BOUNCED AREA IS NO MORE THAN 600 SF AND RATIO OF SIZE DIMENSIONS IS NO MORE THAN 2:1. SAWN JOINTS TO BE 1/8" x 1" DP. SAWN NO MORE THAN 24 HRS. AFTER SLAB PLACEMENT AND EPOXY-FILLED.
- ALL EMBEDDED STRUCTURAL STEEL INCLUDING ANCHOR BOLTS SHALL BE ASTM A500 UNLESS NOTED OTHERWISE.
- REINFORCEMENT SHALL NOT BE WELDED WITHOUT PRIOR APPROVAL OF THE EOR.
- REINFORCEMENT SHALL BE FIRMLY TIED INTO POSITION AND NOT FLOATED IN, UNLESS OTHERWISE NOTED.

SPECIAL INSPECTIONS AND STRUCTURAL TESTING

- A QUALIFIED SPECIAL INSPECTOR SHALL BE RETAINED BY THE OWNER TO PERFORM NECESSARY SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, SPECIFICATIONS AND DESIGN DRAWINGS TO THE TESTING AGENCY. TESTING REPORTS SHALL BE SUBMITTED TO THE EOR NO MORE THAN TWO WEEKS AFTER TESTS ARE PERFORMED.
- THE FOLLOWING CONSTRUCTION AND ELEMENTS OF CONSTRUCTION SHALL BE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 IBC:
- STRUCTURAL CONCRETE AND REINFORCING STEEL (per 1705.2)
 - SOILS - FILL PLACEMENT & BEARING CAPACITY (per 1705.6)
 - CAST-IN-PLACE DEEP FOUNDATIONS (per 1705.6)
 - STRUCTURAL MASONRY (per 1705.4)
 - STRUCTURAL STEEL - PROVIDE FABRICATOR CERTIFICATION (per 1704.2)
 - STRUCTURAL WELDING (per 1705.2.1 & AISC 360 Chapter N)
 - HIGH STRENGTH BOLTING (per 1705.2.1 & AISC 360 Chapter N)

PRE-ENGINEERED COLD-FORMED STEEL TRUSSES

- PRE-ENGINEERED COLD-FORMED STEEL TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) AISI-S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION AND AISI S-200 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING", LATEST EDITION.
- ALL TRUSS CHORD AND WEB COMPONENTS TO BE SYMMETRICAL IN PROFILE AND LOADING ORIENTATION, WITH ROLLED OR CLOSED EDGES; CHORD MEMBERS TO BE COLD-FORMED FROM CORROSION-RESISTANT STEEL CORRESPONDING TO THE REQUIREMENTS OF ASTM A 653/A 653M MINIMUM G60 COATING, MINIMUM YIELD STRENGTH OF 55 ksi FOR 22, 20, 28 AND 16 ga COMPONENTS OR 50 ksi FOR 14 ga AND 12 ga COMPONENTS; MINIMUM TENSILE STRENGTH OF 65 ksi FOR 22, 20, 18, 16, 14 AND 12 ga COMPONENTS. TUBE WEBS TO BE COLD-FORMED ASTM A500 STEEL STRUCTURAL TUBING, MINIMUM YIELD STRENGTH OF 45 ksi; MINIMUM TENSILE STRENGTH OF 55 ksi; ROLLED FORMED WEBS TO BE COLD-FORMED FROM ASTM A533/A 653M GALVANIZED STEEL, MINIMUM G60 COATING, MINIMUM YIELD STRENGTH OF 40 ksi FOR 20" AND 18" ga COMPONENTS OR 50 ksi FOR 16 ga COMPONENTS.
- TRUSS MANUFACTURER SHALL PROVIDE CALCULATIONS AND DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT LOCATION INDICATING TRUSS CONFIGURATIONS, CONNECTIONS, TEMPORARY AND PERMANENT BRACING NECESSARY.
- TRUSS MANUFACTURER SHALL DESIGN AND PROVIDE ALL TRUSS HANGERS, HOLD DOWNS AND ANCHORS AND THEIR ATTACHMENTS TO THE TRUSSES. ANCHORS AND HOLD DOWNS TO BE DESIGNED TO RESIST THE UPLIFT LOADS INDICATED ON THE TRUSS SHOP DRAWINGS AND TO BE ATTACHED TO THE SUPPORTING STRUCTURE WITH HILTI POWDERACTUATED FASTENERS.
- TRUSS MANUFACTURER SHALL DESIGN AND PROVIDE TEMPORARY AND PERMANENT BRACING SYSTEMS AND THEIR ANCHORAGE AND CONNECTIONS REQUIRED TO MAINTAIN THE TRUSS AND ROOF SYSTEMS FOR THE LOADS AND POSITIONS SHOWN IN THE DRAWINGS. TRUSS SHOP DRAWINGS SHALL INDICATE THE LOCATION, SIZE AND FASTENING DETAILS FOR TEMPORARY AND PERMANENT BRACING REQUIREMENTS OF TRUSSES AND TRUSS MEMBERS.
- INSTALL ALL ERECTION, TEMPORARY AND PERMANENT BRACING AND BRIDGING BEFORE APPLICATION OF ANY LOADS FOLLOWING RECOMMENDATIONS OF THE CFSBCSI - COLD-FORMED STEEL BUILDING COMPONENTS SAFETY INFORMATION.
- DESIGN TRUSS LOADINGS: (EXCLUDING TRUSS WEIGHT)

ROOF:

TOP CHORD:
DEAD LOAD = 15 PSF
LIVE LOAD = 20 PSF

BOTTOM CHORD:
DEAD LOAD = 15 PSF
LIVE LOAD = 0 PSF
- MAXIMUM DEFLECTION UNDER ALL LOADS TO BE LESS THAN L/240.
MAXIMUM DEFLECTION UNDER FULL LIVE LOAD TO BE LESS THAN L/360.

1 General Notes

CONCRETE MASONRY:

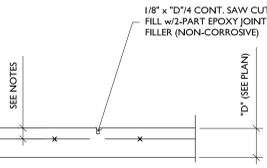
- ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ACI BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES LATEST EDITION (TMS402-13/ACI 530-13/ASCE 5-13) (TMS 602-13/ACI 530-13/ASCE 5-13).
- U.N.O. PROVIDE #5 @ 24" o.c. VERTICALLY IN ALL 8" CMU WALLS AND #6 @ 24" o.c. IN ALL 12" CMU WALLS. EXTERIOR WALLS ONLY. DOWEL REINFORCING INTO FOOTINGS AND PROVIDE HOOK AND THE FOLLOWING MINIMUM SPICE LENGTHS: #4 BAR, L = 24" #5 BAR, L = 30" #6 BAR, L = 36"
- PROVIDE VERTICAL REINFORCING AT EACH SIDE OF ALL WALL OPENINGS. AT THE ENDS OF WALLS AND AT ALL CORNERS PER DETAILS - SHEET S1.0. EXTEND REINFORCING A MINIMUM OF 24" PAST THE EDGE OF THE OPENING.
- U.N.O. PROVIDE A BOND BEAM WITH 2#5 (U.O.) @ 12" ON TOP AND BOTTOM WITH ALL OPENINGS 8" AND 12" CMU WALLS. HORIZONTAL WALL REINFORCING SHALL CONSIST OF NO. 9 (W17) DURA-WALL TRUSS TYPE REINFORCING @ 18" o.c.
- GROUT BOND BEAMS CELLS WITH REINFORCING AND ALL CELLS BELOW GRADE WITH 3000 PSI MASONRY GROUT IN ACCORDANCE WITH ASTM C478 IN LIFTS NOT TO EXCEED 40". MASONRY UNITS TO BE LOAD-BEARING CMU CONFORMING TO ASTM C90 - MINIMUM COMPRESSIVE STRENGTH, $f_m = 1500$ psi.
- MORTAR TO BE TYPE S CONFORMING TO ASTM C270.

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL UNLESS NOTED, SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992, GRADE 50. STRUCTURAL STEEL TUBE TO BE ASTM A50, GRADE B 48 KSI.
- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION.
- UNLESS OTHERWISE NOTED, ALL SHOP CONNECTIONS SHALL BE MADE BY WELDING OR HIGH STRENGTH BOLTING. (A325 OR A490 BOLTS).
- WELDS SHALL BE MADE IN ACCORDANCE WITH AWS STANDARDS BY A CERTIFIED WELDER USING E70 ELECTRODES.
- UNLESS OTHERWISE NOTED, ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIA. HIGH STRENGTH BOLTS (ASTM A325-N). CONNECTIONS SHALL BE DESIGNED AS BEARING TYPE WITH THREADS IN SHEAR PLANE.
- UNLESS OTHERWISE SHOWN, ALL BEAM CONNECTIONS SHALL BE STANDARD FRAMED OR SEATED CONNECTIONS AS SHOWN IN PART 4 OF THE AISC MANUAL OF STEEL CONSTRUCTION. UNLESS GREATER REACTIONS ARE INDICATED ON THE PLANS, CONNECTIONS SHALL DEVELOP AT LEAST ONE-HALF OF THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE TABLES OF THE MANUAL FOR THE GIVEN SHAPE AND SPAN OF THE BEAM IN QUESTION. IN NO CASE, HOWEVER, SHALL THE LENGTH OF THE FRAMED CONNECTIONS BE LESS THAN ONE-HALF OF THE "T" DISTANCE OF THE BEAM WEB.
- GUSSER PLATES SHALL BE 3/8" THICK MINIMUM.
- WHERE PRACTICAL, UNLESS SHOWN DIFFERENTLY ON DRAWINGS, ALL BRACING CONNECTIONS SHALL BE DESIGNED AND DETAILED SO THAT ALL FORCE COMPONENTS CAN BE DELIVERED DIRECTLY TO THE CENTERLINE OF INTERSECTING MEMBERS. WHERE THIS IS NOT DONE, CONNECTIONS SHALL BE DESIGNED TO ACCOUNT FOR RESULTING ECCENTRICITIES.
- (+) INDICATES TENSION IN MEMBER.
- (-) INDICATES COMPRESSION IN MEMBER.
- ALL COLUMN ANCHOR BOLTS TO BE OVERSIZED IN ACCORDANCE WITH RECOMMENDATIONS OF "AISC" MANUAL FOR "DETAILING FOR STEEL CONSTRUCTION".
- ALL ELEVATIONS ARE REFERENCED FROM A FINISHED FIRST FLOOR ELEVATION OF 0'-0" AS A DATUM.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION WHICH AFFECTS NEW CONSTRUCTION PRIOR TO SUBMISSION OF SHOP DRAWINGS.
- CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR STRUCTURE SO THAT IT WILL BE STABLE DURING ALL STAGES OF CONSTRUCTION. THE STRUCTURE AND FOUNDATIONS ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND THEREFORE REQUIRES ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION.
- STRUCTURAL STEEL SURFACES TO BE PREPARED ACCORDING TO SSPC-SP3 "POWER TOOL CLEANING" EXCEPT FOR GALVANIZED FINISHED AND SURFACES TO BE EMBEDDED IN CONCRETE. SPRAYED-ON PREPARED OR MASONRY. APPLY SHOP PRIMER TO UNCOATED SURFACES TO A DRY FILM THICKNESS OF 3.0 MILS MINIMUM.

LIGHT GAGE METAL FRAMING:

- ALL MEMBERS TO BE DESIGNED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) AISI-S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", 2012 EDITION AND AISI S-200 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING", 2012 EDITION.
- ALL FRAMING MEMBERS TO BE FORMED FROM CORROSION-RESISTANT STEEL CORRESPONDING TO THE REQUIREMENTS OF ASTM A955 AND ASTM A1003 WITH A MINIMUM YIELD STRENGTH AS SPECIFIED.
- DESIGN OF MEMBERS INDICATED IN THE STRUCTURAL DRAWINGS IS BASED ON MINIMUM PROPERTIES GIVEN IN THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) "PRODUCT TECHNICAL GUIDE" 2014. NO SUBSTITUTION OF MATERIALS IS ACCEPTABLE FOR USE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL EOR.
- MANUFACTURERS SUBMITTAL FOR REVIEW BY STRUCTURAL EOR TO INDICATE TYPE AND MATERIAL MEMBER PROPERTIES FOR ALL LIGHT GAGE STEEL FRAMING INDICATED IN THE STRUCTURAL DRAWINGS.
- FASTENING OF MEMBERS TO BE EITHER WITH SELF-DRILLING SCREWS OR BY WELDING UNLESS NOTED OTHERWISE IN THE STRUCTURAL DRAWINGS.
- CUTTING OF STEEL FRAMING MEMBERS TO BE DONE WITH SAW OR SHEARS. TORCH CUTTING OF LOAD BEARING MEMBERS IS NOT PERMITTED.
- COMPLETE, UNIFORM AND LEVEL BEARING SUPPORT TO BE PROVIDED FOR BOTTOM TRACK, AT SPLICES WHERE SUPPORT IS NOT COMMON TO BOTH SECTIONS OF TRACK, EITHER BUTT WELD TRACK SECTIONS OR USE A STUD SECTION INSERTED IN THE TRACK AS A WELDING MEMBER ATTACHED PER MANUFACTURERS RECOMMENDATIONS. TRACK INTERSECTIONS SHALL BUTT EVENLY.
- SPACING OF STUDS TO BE WITHIN A TOLERANCE OF +/- 1/8" FROM THAT SHOWN IN THE STRUCTURAL DRAWINGS, PROVIDED THAT THE CUMULATIVE ERROR DOES NOT EXCEED THE REQUIREMENTS OF OTHER CONSTRUCTION OR MATERIALS.
- STUDS TO BE SECURELY FASTENED AT BOTH TOP AND BOTTOM TRACKS. SPLICES IN STUDS ARE NOT PERMITTED.
- TEMPORARY BRACING, WHERE REQUIRED, SHALL BE PROVIDED UNTIL ERECTION IS COMPLETE.
- WHERE MANUFACTURERS RECOMMENDATIONS FOR ERECTION, ATTACHMENT, ASSEMBLY, BRACING, ALIGNMENT OR OTHER INSTALLATION OR ASSEMBLY REQUIREMENTS ARE MORE STRINGENT THAN INDICATED IN THESE DRAWINGS OR THE PROJECT SPECIFICATIONS, THE MANUFACTURERS RECOMMENDATIONS ARE TO APPLY.



- NOTES:**
- ITS TO BE LOCATED WHERE INDICATED ON DWGS.
 - ITS TO BE CUT NO MORE THAN 24 HRS. AFTER PLACEMENT.
 - DISCONTINUE REINF. @ JT.
 - PLACE REINF. 1/3 SLAB DEPTH FOR SLABS GREATER THAN 5".

SLAB CONTROL JOINT (SJ)

DOWEL SCHEDULE

SLAB THICKNESS (in)	DIAMETER (in)	TOTAL LENGTH (in)	SPACING o.c. (in)
4	1/2	16	16
5	5/8	16	16
6 AND GREATER	3/4	16	16

SLAB CONSTRUCTION JOINT (CJ)
(WHERE REQUIRED BETWEEN POURS)

MAXIMUM JOINT SPACING¹

SLAB THICKNESS (in)	SPACING ² (ft)
4	13
5	13
6	14
7	15
8	17
9	18
10 AND GREATER	20

¹MAXIMUM SPACING OF CONTROL OR CONSTRUCTION JOINTS TO BE AS TABULATED OR AS SHOWN ON PLANS, WHICHEVER IS MOST STRINGENT. PATTERN TO BE APPROXIMATELY SQUARE WITH A MAXIMUM RATIO OF LONG-TO-SHORT SIDE OF 1.5:1.
²FOR MIX DESIGNS WITH + 3/4" AGGREGATE SIZE.

MAXIMUM JOINT SPACING

no scale

Statement of Special Inspections

Project: *Battling Cages for Spartanburg High School*
Location: *Spartanburg High School; 2250 E. Main St., Spartanburg, SC*
Owner: *Spartanburg School District Seven*

Design Professional in Responsible Charge: *Stephen Parks, P.E. - Structural Engineer*

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. See Sheet S100 for a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompasses the following disciplines:

Structural Mechanical/Electrical/Plumbing
 Architectural Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency: *Bi-weekly* or per attached schedule.

Prepared by:

Stephen Parks, P.E.
(type or print name)



Signature _____ Date *06.14.2021*

Owner's Authorization: _____ Building Official's Acceptance: _____

Signature _____ Date _____ Signature _____ Date _____

CASE Form 101 • Statement of Special Inspections • ©CASE 2004

3 Statement of Special Inspections

ABBREVIATIONS

AS	ANCHOR BOLT	HSS	HIGH STRENGTH HOLLOW STRUCTURAL STEEL (TUBE)
ACI	AMERICAN CONCRETE INSTITUTE	IN	INCHES
ADCOL	ADDITIONAL	IBC	INTERNATIONAL BUILDING CODE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	IEBC	INTERNATIONAL EXISTING BUILDING CODE
ALT.	ALTERNATE	IF	INSE FACE
AR	ARCHITECTURAL	JST.	JOIST
ASTM	AMERICAN STANDARD FOR TESTING MATERIALS	JO	JOINT
AWS	AMERICAN WELDING SOCIETY	KB	KIPS PER FOOT
CHRM	CHEMICAL	LL	LIVE LOAD
OP	CAST-IN-PLACE (CONCRETE)	LLV	LONG LEAD VERTICAL
EL	ELEVATION	M.B.	MACHINE BOLT
C.O.G.	CENTRIGRAPH	MAN.	MANUAL
CMU	CONCRETE MASONRY UNIT	MISC.	MISCELLANEOUS
COL.	COLUMN	MFR.	MANUFACTURER
CONC.	CONCRETE	NO.	NUMBER
CONT.	CONTINUOUS	NO. #	NUMBER
CS	CONCRETE	NS	NORTH/SOUTH
DBL.	DOUBLE	N.T.S.	NOT TO SCALE
DWS.	DRAWING	OF	ON CENTER
EA.	EACH	OF	OUTSIDE FACE
DA, Ø	DIAMETER	PL	PLATE
DM.	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DL	DEAD LOAD	PCF	POUNDS PER CUBIC FOOT
DN.	DOWN	R	RADIUS
DP.	DEEP	RENF.	REINFORCED REINFORCING
DTL.	DETAIL	REQD.	REQUIRED
DWG.	DRAWING	SCHED.	SCHEDULE
EA.	EACH	SM.	SMALL
ELEV. EL.	ELEVATION	SH.	SHIRT
EMBED.	EMBEDMENT	SOS	SELF-DRILLING SCREWS
EQ.	EQUAL EQUALLY	SHED	SHED SIDE
ES	EACH SIDE	SLV	SHORT LEG VERTICAL
EW	EACH WEB	SOB	SLAB ON GRADE
EW	EACH WEB	SQ.	SQUARE
EXIBT. (E)	EXISTING	S.S.	STAINLESS STEEL
FIN.	FOUNDATION	STD.	STANDARD
F.F.	FRESH FLOOR	STL.	STEEL
FL.	FLOOR	T&B	TIE BARS
FLR.	FLOOR	T&E	TIE TO MATCH EXISTING
FTG.	FOOTING	TYP.	TYPICAL
IV	FIELD VERIFY	TI	TOP OF
GA	GAGE	UNLD.	UNLESS NOTED OTHERWISE
GENL.	GENERAL	VERT.	VERTICAL
G.C.	GENERAL CONTRACTOR	W.	WITH
GR.	GRADING	WF	WIDE-FLANGE
DR.	HEADER	W.P.	WORK POINT
HORZ.	HORIZONTAL	WWF	WELDED WIRE FABRIC
		WWW	WELDED WIRE MESH

STRUCTURAL DESIGN CRITERIA

CODES
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL EXISTING BUILDING CODE
ANSI/AISC 7-16

RISK CATEGORY (per IBC Table 1604.5) **II**

DESIGN LOADS

ROOF
LIVE LOAD = 20 PSF
GROUND SNOW LOAD = 10 PSF
WIND: (PER ANSI/AISC 7-10)
ULTIMATE DESIGN WIND SPEED, $V_{ult} = 115$ MPH
NOMINAL DESIGN WIND SPEED, $V_{ind} = 89$ MPH

EXPOSURE CATEGORY B
RISK CATEGORY II
OPEN BUILDING

COMPONENTS & CLADDING:
WALLS (area > 200 ft²)
NEGATIVE ZONE 4 & 5 = -18.6 PSF
POSITIVE ZONES 4 & 5 = 16.7 PSF
ROOF (area > 100 ft²)
NEGATIVE ZONE 1 = -16.2 PSF
NEGATIVE ZONE 2 = -25.0 PSF (+135 SF); -16.3 PSF (+135 SF)
NEGATIVE ZONE 3 = -25.0 PSF (+135 SF); -16.2 PSF (+135 SF)
POSITIVE ZONE 1 = 17.6 PSF
POSITIVE ZONE 2 = 27.1 PSF (+135 SF); 17.6 PSF (+135 SF)
POSITIVE ZONE 3 = 27.1 PSF (+135 SF); 17.6 PSF (+135 SF)

SEISMIC:
Sds = 0.284
Sd1 = 0.169
OCCUPANCY CATEGORY II = 1.00
SEISMIC DESIGN CATEGORY C
SITE CLASS D
BASIC SEISMIC FORCE RESISTING SYSTEM:
STEEL ORDINARY MOMENT FRAME
R = 3.5
Cs = 0.0812
SEISMIC BASE SHEAR = 8.5k

2 Structural Design Criteria

MINIMUM CONCRETE COVER FOR REINFORCEMENT

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #18 BARS	2"
#5 BAR, W/31 OR D31 WIRE AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
#14 AND #18 BARS	1 1/2"
#11 BAR AND SMALLER	3/4"
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2"

4 Concrete Cover for Reinforcement

BRICK LINTEL SCHEDULE

SPAN (ft)	ANGLE SIZE (LLV)	MIN. BEARING (in)
SPANS UP TO 3'-4"	L - 3 1/2 x 3 1/2 x 3/8	6"
3'-4" to 5'-4"	L - 4 x 3 1/2 x 3/8	6"
5'-4" to 7'-4"	L - 5 x 3 1/2 x 3/8	8"
7'-4" to 10'-0"	L - 6 x 3 1/2 x 3/8	8"

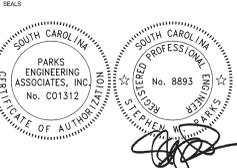
5 Brick LinTEL Schedule

no scale



Parks Engineering Associates, Inc. Structural Engineering

314 S. Pine St., PO Box 3281
Spartanburg, SC 29304
Phone (864)316-3776



SPARTANBURG SCHOOL DISTRICT SEVEN
BATTING CAGE FOR SPARTANBURG HIGH SCHOOL
2250 E. MAIN ST.
SPARTANBURG, SC 29307

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
1	06/14/21	OSF CD SUBMISSION	SWP
2	07/06/21	BID DOCUMENTS	SWP
3	07/22/21	ADDENDUM #1	SWP

BID DOCUMENTS 07/06/2021
PRINCIPAL ENGINEER: SWP
PROJECT ARCHITECT: XXX
DRAWN BY: SWP

SHEET TITLE: GENERAL NOTES AND STANDARD DETAILS

SHEET NO. PROJ. NO. 021074.00

S100

EXISTING PANEL "DR1"

208/120 VOLT, 200 AMP MAIN CIRCUIT BREAKER, 3 PHASE, 4 WIRE
SQUARE D CATALOG #NO

CONN LOAD	CIRCUIT USE	S. N	200A M. C. B.	S. N	CIRCUIT USE	CONN LOAD	PHASE A	PHASE B	PHASE C
720	EXISTING REC-WOMEN D102	1	200A M. C. B.	2	EXISTING REC-CONCESSION D103 (EQUIP)	1000	1720		
1000	EXISTING REC-WOMEN D122	3		4	EXISTING REC-CONCESSION D103 (EQUIP)	1000		2000	
1000	EXISTING REC-WATER COOLER (EQUIP)	5		6	EXISTING REC-CONCESSION D103 (EQUIP)	1000			2000
1080	EXISTING REC-200 WEST D101	7		8	EXISTING REC-CONCESSION D103 (EQUIP)	1000	2080		
1000	EXISTING REC-D123 (SINK)	9		10	EXISTING REC-CONCESSION D103 (EQUIP)	1000		2000	
1200	EXISTING REC-STOR D101 (ICE MACH)	11		12	EXISTING REC-CONCESSION D103 (EQUIP)	1000			2200
300	EXISTING REC-COOL D101, 58 LB D101	13		14	EXISTING WATER HEATER (WH-S)	3000	3900		
1150	EXISTING REC-WATER COOLERS	15		16		3000		4150	
500	EXISTING REC-SOFTBALL (BACKSTOP)	17		18		3000			3500
900	REC-PRESS BOX	19		20	EXISTING REC-ELEC D114 & EXTERIOR	720	1620		
720	REC-PRESS BOX	21		22	EXISTING REC-200 D101, 58 LB D101, 58 LB D101, 58 LB D101	1080		1800	
1435	EXISTING TENNIS SCOREBOARD	23		24	EXISTING REC-COOL D101, 58 LB D101, 58 LB D101, 58 LB D101	900			2335
1435	EXISTING REC-TENNIS VIEWING PLATFORM	25	26	EXISTING REC-CONCESSION D103 (EQUIP)	720	2155			
540	EXISTING REC-TENNIS VIEWING PLATFORM	27	28	EXISTING REC-WOMEN D105 (SINK)	1000		1540		
1000	EXISTING REC-SOFTBALL 3RD BASE OUSGUT	29	30	EXISTING REC-MEN D109 (SINK)	1000			2000	
1000	EXISTING REC-SOFTBALL 1ST BASE OUSGUT	31	32	EXISTING CIRCULATION PUMP (CP-2)	528	1528			
500	EXISTING MUSCO CONTROL CIRCUIT	33	34	EXISTING REC-TENNIS PLATFORM (DECK)	1000		1500		
1664	EXISTING UNIT PTHP-6	35	36	EXISTING REC-CONCESSION D103 (EQUIP)	1000			2664	
1664	EXISTING QUAD REC-DATA ROOM D116	37	38	EXISTING FIRE CONTROL PANEL	500	2164			
1000	EXISTING QUAD REC-DATA ROOM D116	39	40	EXISTING PANEL BC	3720		4720		
1000	EXISTING QUAD REC-DATA ROOM D116	41	42		3220			4220	
720	EXISTING REC-TENNIS COURTS	43	44	EXISTING TRANE CONTROLS	500	1220			
180	EXISTING REC-STORAGE D104	45	46	EXISTING SPARE 20A BREAKER			180		
180	EXISTING REC-STORAGE D108	47	48	EXISTING SPARE 20A BREAKER				180	
500	EXISTING FIRE ALARM ANN	49	50	NEW PANEL BC1	3500	4000			
	EXISTING SPARE 20A BREAKER	51	52		3280		3280		
	EXISTING SPARE 20A BREAKER	53	54		2000			2000	

- NOTES:
1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
 2. PROVIDE UPDATED TYPED PANEL SCHEDULE.
 3. LEAVE ALL BREAKERS NOTED AS SPARES IN THE OFF POSITION.
 4. DARKER COLOR CIRCUIT DESIGNATIONS DENOTE NEW CIRCUITS FOR ADDITION. LIGHTER COLOR CIRCUIT DESIGNATIONS DENOTE EXISTING CIRCUITS TO REMAIN.
 5. DENOTES NEW CIRCUIT BREAKER TO BE PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR. AIC RATING TO MATCH EXISTING.

PHASE A	PHASE B	PHASE C
20387	21170	21099
TOTAL VA 62636		
CONNECTED AMPERAGE 174 AMPERES		

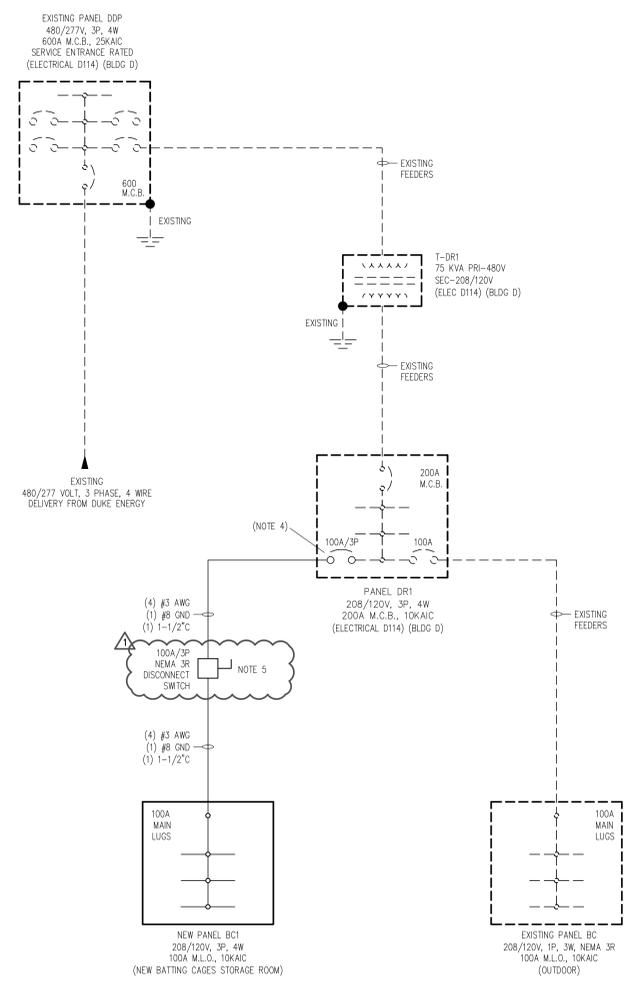
NEW PANEL "BC1"

208/120 VOLT, 100 AMP MAIN LUGS ONLY, 3 PHASE, 4 WIRE
COPPER PLATED BUS, FULLY RATED, 10 KAIC

CONN LOAD	CIRCUIT USE	S. N	100A M. L. O.	S. N	CIRCUIT USE	CONN LOAD	PHASE A	PHASE B	PHASE C
1000	REC-BATING CAGE PITCHING MACHINE	1	100A M. L. O.	2	LIG-BATING CAGES (LEFT)	890	1890		
1000	REC-BATING CAGE PITCHING MACHINE	3		4	LIG-BATING CAGES (LEFT)	890		1890	
720	REC-BATING CAGE	5		6	LIG-BATING CAGES (MIDDLE) & STORAGE CAB	980			1700
720	REC-STORAGE ROOM & EXTERIOR	7		8	LIG-BATING CAGES (RIGHT)	890	1610		
500	REC-SOUND CABINET	9		10	LIG-BATING CAGES (RIGHT)	890		1390	
	SPARE 20A BREAKER	11		12	LIGHTING CONTACTOR	300			300
	SPARE 20A BREAKER	13		14	PREPARED SPACE ONLY				
	SPARE 20A BREAKER	15		16	PREPARED SPACE ONLY				
	SPARE 20A BREAKER	17		18	PREPARED SPACE ONLY				
	PREPARED SPACE ONLY	19		20	PREPARED SPACE ONLY				
	PREPARED SPACE ONLY	21		22	PREPARED SPACE ONLY				
	PREPARED SPACE ONLY	23		24	PREPARED SPACE ONLY				

- NOTES:
1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
 2. PROVIDE TYPED PANEL SCHEDULE.

PHASE A	PHASE B	PHASE C
3500	3280	2000
TOTAL VA 8780		
CONNECTED AMPERAGE 24 AMPERES		



- NOTES:
1. ALL CONDUCTORS TO BE COPPER UNLESS NOTED OTHERWISE.
 2. DASHED LINES - EXISTING EQUIPMENT TO REMAIN.
 3. SOLID LINES - NEW EQUIPMENT TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 4. DENOTES NEW 100A/3P CIRCUIT BREAKER TO BE PURCHASED & INSTALLED BY ELECTRICAL CONTRACTOR. AIC RATING TO MATCH EXISTING.
 5. DENOTES NEW 100A/3P, NEMA 3R DISCONNECT SWITCH TO BE PURCHASE AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE PERMANENT ENGRAVED LABEL STATING "BATING CAGE PANEL BC1 DISCONNECT".

SINGLE LINE DIAGRAM - BUILDING D & BATING CAGES

SCALE: NONE

SHEET ISSUE:

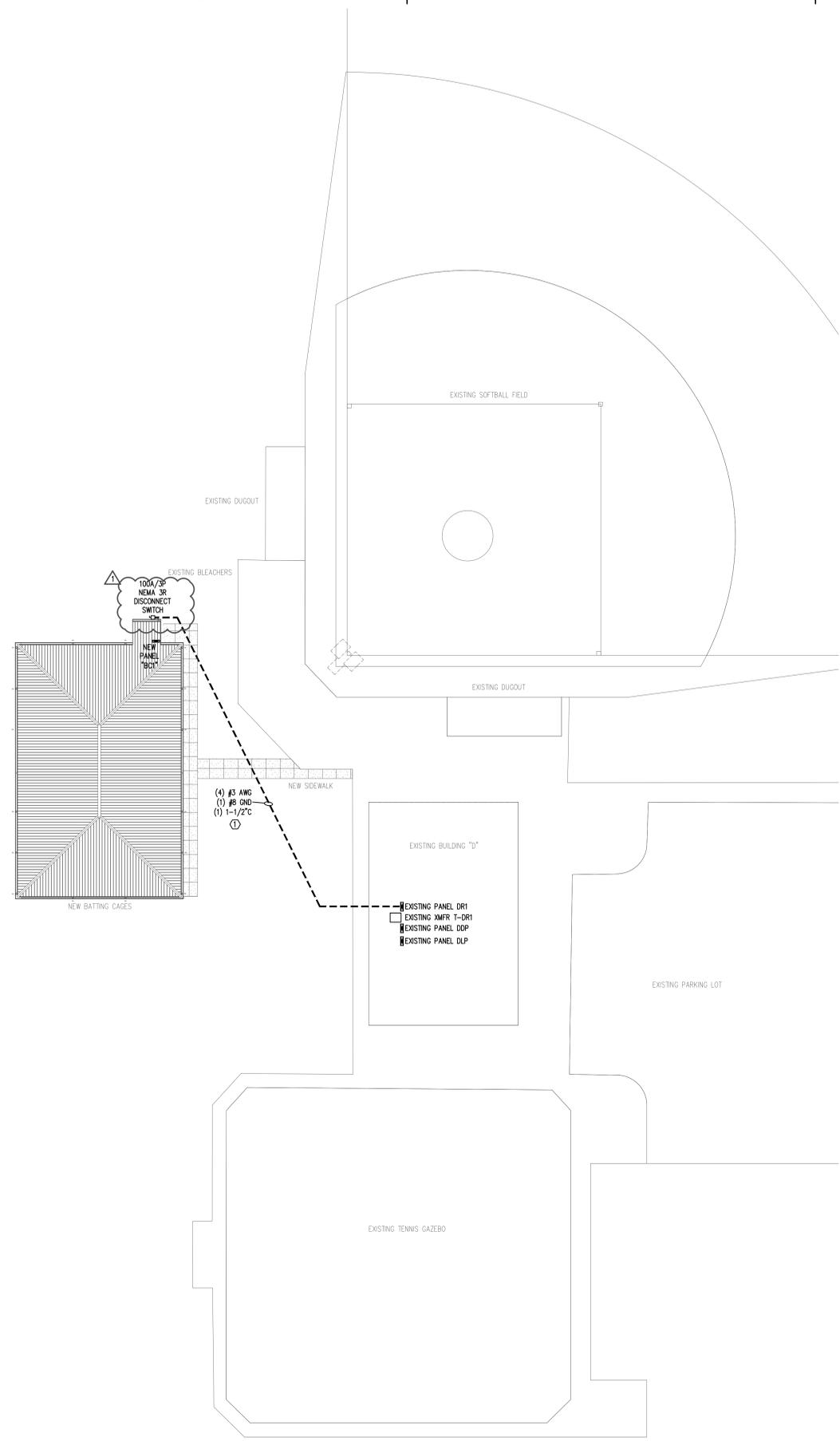
NO.	DATE	DESCRIPTION	BY
1	07/22/2021	ADDENDUM #1	RM

BID DOCUMENTS 07/06/2021
PRINCIPAL IN CHARGE: HFB
PROJECT ENGINEER: RM
DRAWN BY: RB

SHEET TITLE:
SINGLE LINE DIAGRAM, EXISTING & NEW PANEL SCHEDULES

SHEET NO. PROJ. NO. 2021-055

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ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

GENERAL ELECTRICAL SITE NOTES:

- EXISTING PANEL LOCATION SHOWN IN EXISTING BUILDING "D" ARE APPROXIMATE.
- COORDINATE CONDUIT ROUTING FROM BUILDING "D" TO NEW BATTING CAGES WITH GENERAL CONTRACTOR AND OWNER.

KEYED ELECTRICAL SITE PLAN NOTES:

① ELECTRICAL CONTRACTOR TO INSTALL (1) 1-1/2" PVC CONDUIT WITH (4)#3, (1)#8 GND FROM EXISTING BUILDING "D" ELECTRICAL ROOM TO NEW BATTING CAGE DISCONNECT SWITCH LOCATED ON EXTERIOR OF STORAGE ROOM. COORDINATE ANY CUTTING AND PATCHING OF FLOOR/EXISTING SIDEWALK WITH GENERAL CONTRACTOR AS REQUIRED. TRANSITION TO IMC ABOVE GRADE.

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
1	07/22/2021	ADDENDUM #1	RM

BID DOCUMENTS 07/06/2021
PRINCIPAL IN CHARGE: HFB
PROJECT ENGINEER: RM
DRAWN BY: RB

SHEET TITLE:
ELECTRICAL SITE PLAN

SHEET NO. PROJ. NO.
2021-055