

GENERAL NOTES

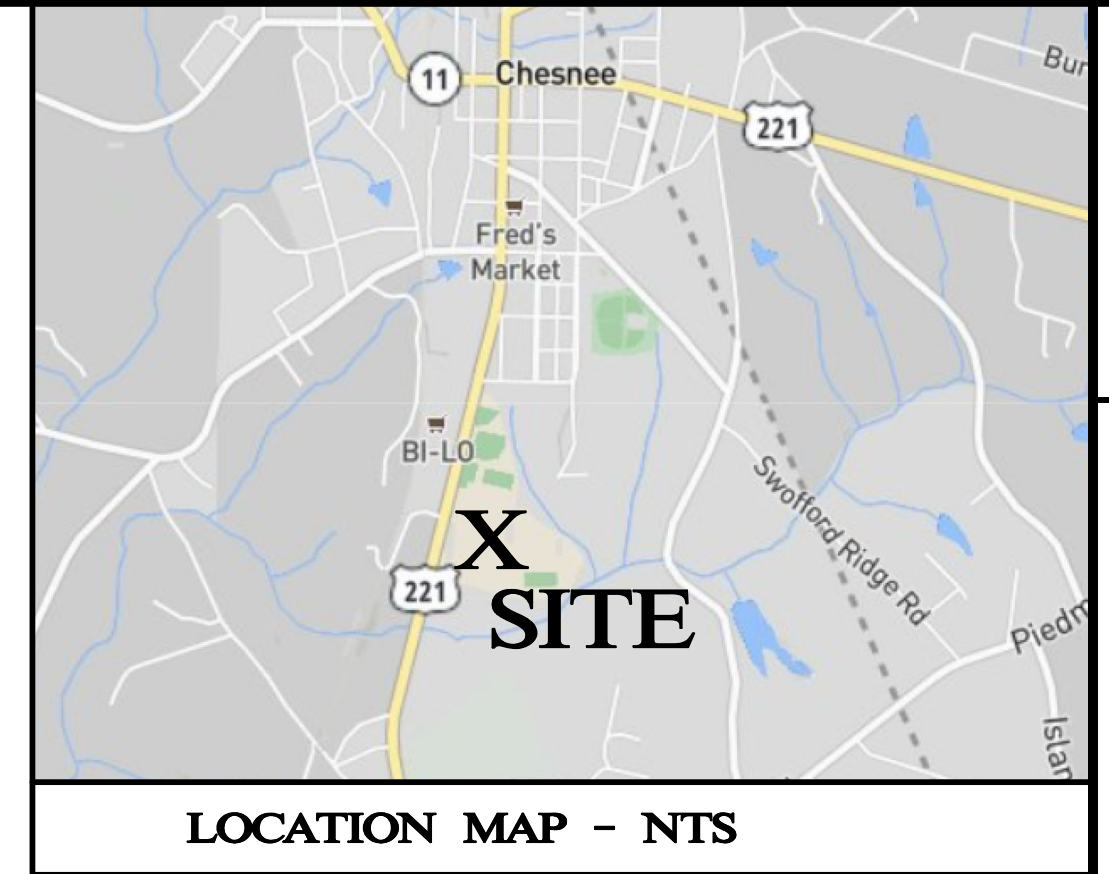
DEVELOPER/OWNER: SPARTANBURG COUNTY SCHOOL DISTRICT TWO
PROJECT ADDRESS: 795 S. ALABAMA AVE., CHESNEE SC 29323
CONTACT PERSON: PAUL HOLLIFIELD - DIRECTOR OF MAINTENANCE
TAX MAP NO.: 2-19-00-067-00
SURVEY WORK BY: GOOCH & ASSOCIATES, P.A. - SURVEYORS

CONTRACTOR NOTES

- 1. UPON SATISFACTION OF SITE ENGINEER INSPECTION, THE SITE ENGINEER SHALL FILE THE NOTICE OF TERMINATION, WHICH SHALL CLOSE THE NPDES PERMIT.
2. CONTRACTOR SHALL PROVIDE CONCRETE TRUCK WASHOUT FACILITIES AS DESCRIBED IN THE EROSION CONTROL DETAILS.
3. CONTRACTOR SHALL LOCATE PORTABLE RESTROOM FACILITIES IN SUCH A MANNER SO AS TO PREVENT ANY LEAKAGE OR DISCHARGE INTO SURROUNDING WATER BODIES AND/OR DRAINAGE STRUCTURES.

GRADING NOTES

- 1. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ON ADJACENT PROPERTIES.
2. ON-SITE BURIAL PITS ARE NOT PERMITTED.
3. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE EROSION CONTROL REGULATIONS AND IS SUBJECT TO A FINE.
4. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE COUNTY/CITY/SCDHEC EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.



C000 - COVER SHEET
C100 - OVERALL DEVELOPMENT PLAN
C101 - SITE LAYOUT PLAN
C200 - GRADING PLAN
C300 - EXISTING CONDITIONS AND DEMOLITION PLAN
C400 - NOTES AND DETAILS
C401 - NOTES AND DETAILS
C402 - NOTES AND DETAILS

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Project: SPARTANBURG SCHOOL DISTRICT 2
CHESNEE HIGH SCHOOL - DRIVEWAY MODIFICATIONS
795 S. ALABAMA AVENUE, CHESNEE SC 29323
Sheet Title: COVER SHEET

Engineer: JDM
Drawn By: CWJ
Date: APRIL 2022

Revisions table with columns for revision letter, description, and date.

Project Number: 22074.002

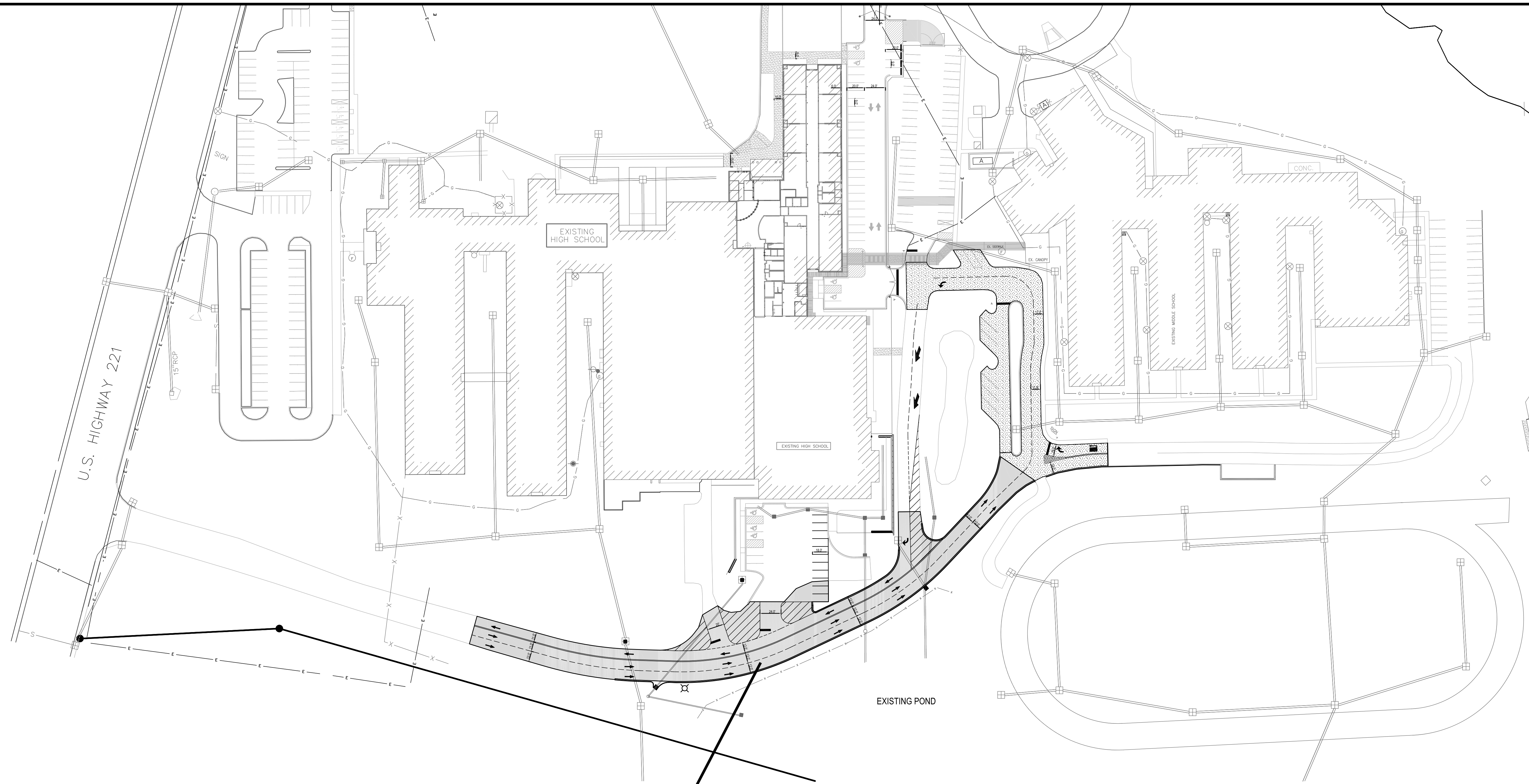
Sheet: C000

GRASSING/LANDSCAPING: CONTRACTOR SHALL REFER TO GRASSING NOTES AND DETAILS FOR FURTHER INFORMATION. CONTRACTOR SHALL ALSO COORDINATE WITH LANDSCAPE PLANS FOR AREAS TO RECEIVE SOD. AREAS TO RECEIVE SOD MAY REQUIRE TEMPORARY GRASSING. PERMANENT GRASSING (IN SOD AREAS) AREAS SHALL RECEIVE HYDRAULICALLY APPLIED FLEXITERRA FOR IMMEDIATELY AFTER FINISHING GRADING AND PRIOR TO FIRST RAINFALL EVENT. APPLICATION AND INSTALLATION OF FLEXITERRA SHALL STRICTLY COMPLY WITH MANUFACTURERS RECOMMENDATIONS.

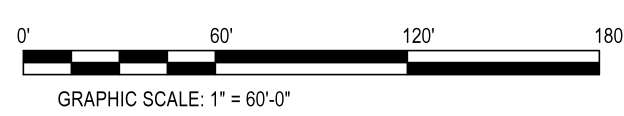
NOTE: CONTRACTOR SHALL BID EARTHWORK AS A COMPLETED SITE AS PER THE DRAWINGS, DETAILS, AND FINISHED GRADES. PERFORM INDEPENDENT EARTHWORK ANALYSIS AS NEEDED TO CONFIRM QUANTITIES (IMPORT OR EXPORT). ANY EARTH MATERIALS TO BE REMOVED FROM THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DISPOSED IN A LAWFUL MANNER. IF MATERIAL IS TO BE IMPORTED, IT SHALL BE APPROVED STRUCTURAL MATERIAL (AS IDENTIFIED BY THE GEOTECHNICAL ENGINEER). THERE WILL NOT BE AN ADJUSTMENT TO CONTRACT PRICE FOR EARTHWORK.



THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



PROPOSED IMPROVEMENTS

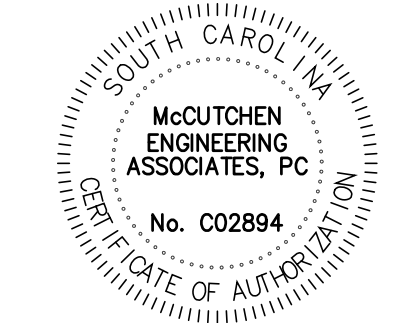


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05-05-2022

Project: SPARTANBURG SCHOOL DISTRICT 2  
 CHESNEE HIGH SCHOOL - DRIVEWAY MODIFICATIONS  
 795 S. ALABAMA AVENUE, CHESNEE SC 29323

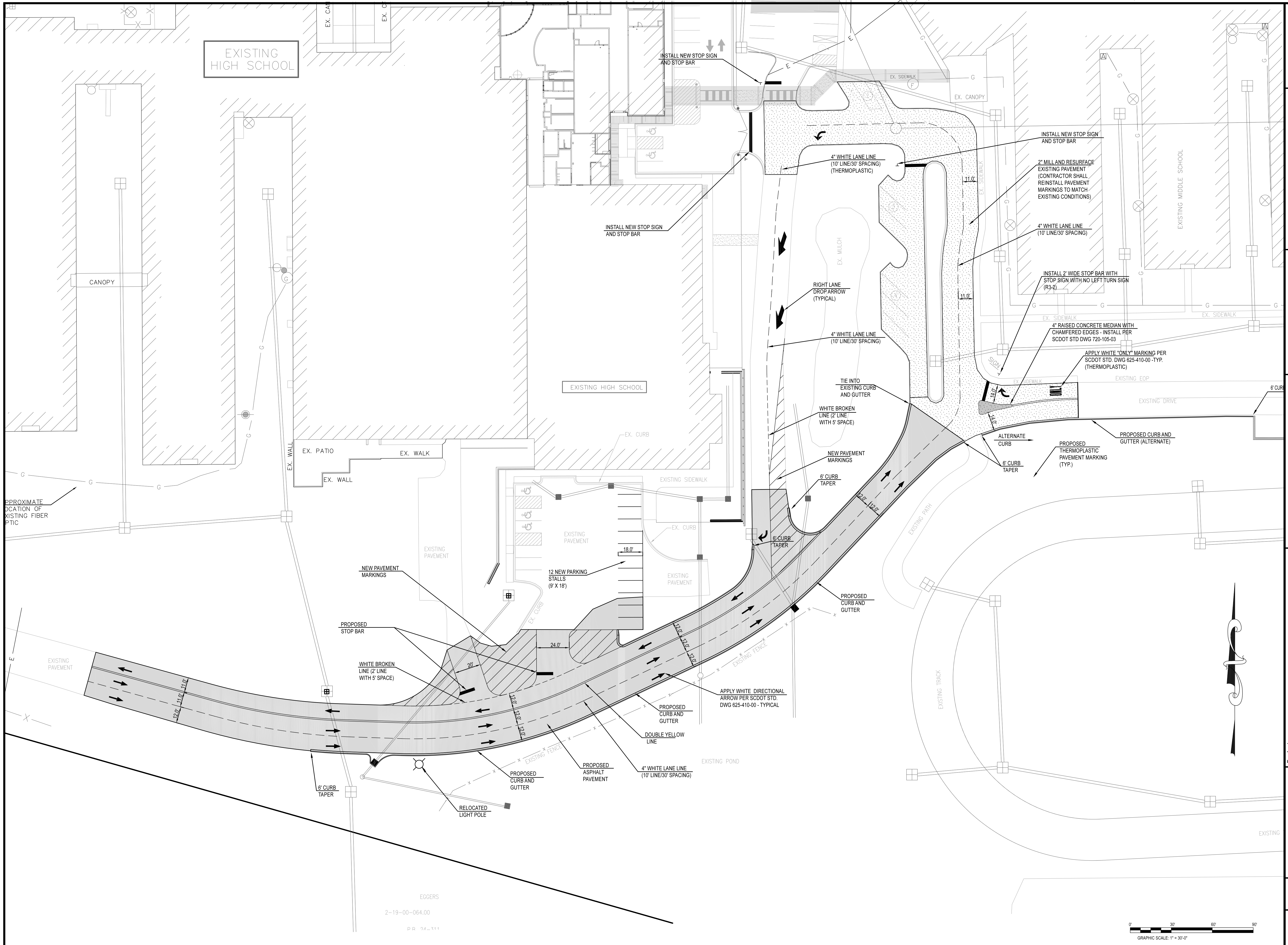
Sheet Title: OVERALL DEVELOPMENT PLAN

Engineer: JDM  
 Drawn By: CWJ  
 Date: APRIL 2022

Revisions:  
 A ISSUE FOR PERMIT REVIEW/PRICING 04.25.22  
 B SCOOT COMMENTS/SCOPE REVISION 05.03.22

Project Number: 22071.002

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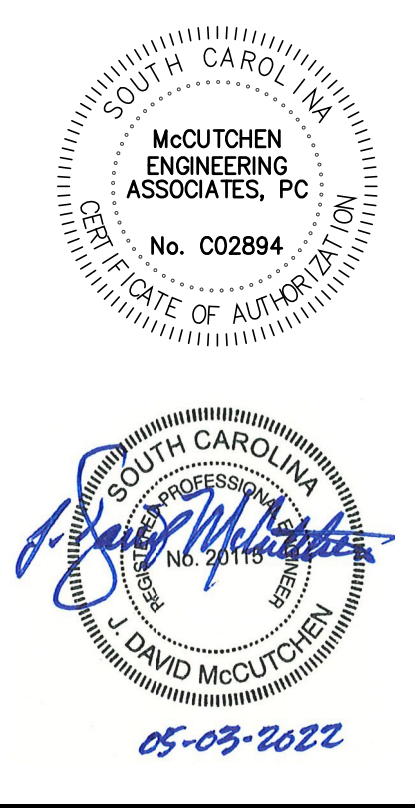


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Project: SPARTANBURG SCHOOL DISTRICT 2  
 CHESNEE HIGH SCHOOL - DRIVEWAY MODIFICATIONS  
 705 S. ALABAMA AVENUE, CHESNEE SC 29323

Sheet Title: SITE LAYOUT PLAN

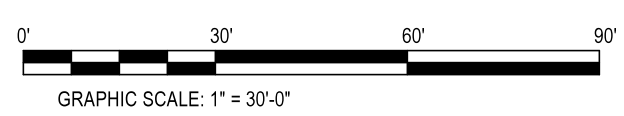
Engineer: JDM  
 Drawn By: CWJ  
 Date: APRIL 2022

Revisions

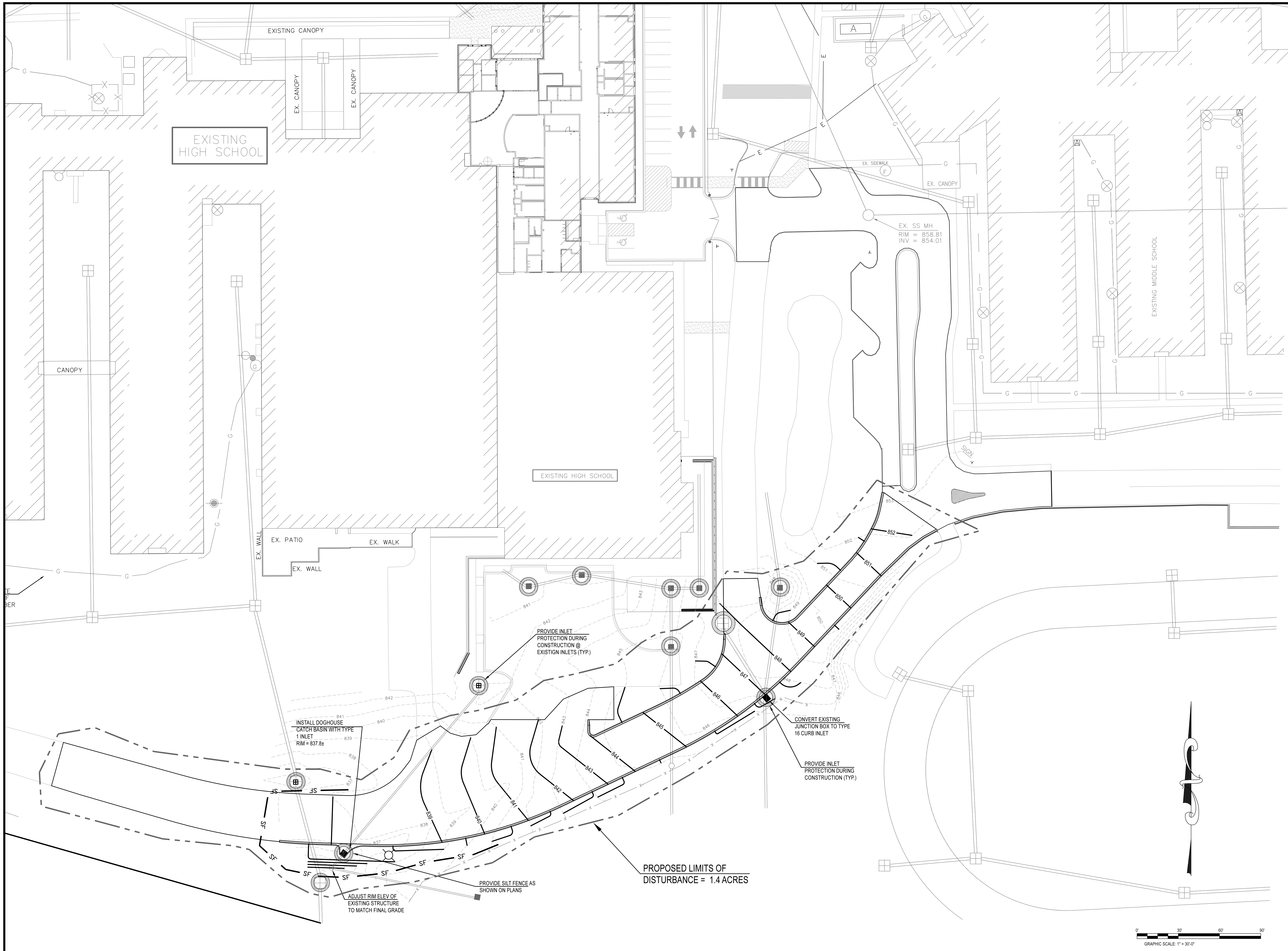
A	ISSUE FOR PERMIT REVIEW/PRICING	04.25.22
B	SCDOT COMMENTS/SCOPE REVISION	05.03.22

Project Number: 22071.002

Sheet: C101



EGGERS  
 2-19-00-064.00  
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05-05-2022

Project: SPARTANBURG SCHOOL DISTRICT 2  
 CHESNEE HIGH SCHOOL - DRIVEWAY MODIFICATIONS  
 795 S. ALABAMA AVENUE, CHESNEE SC 29323

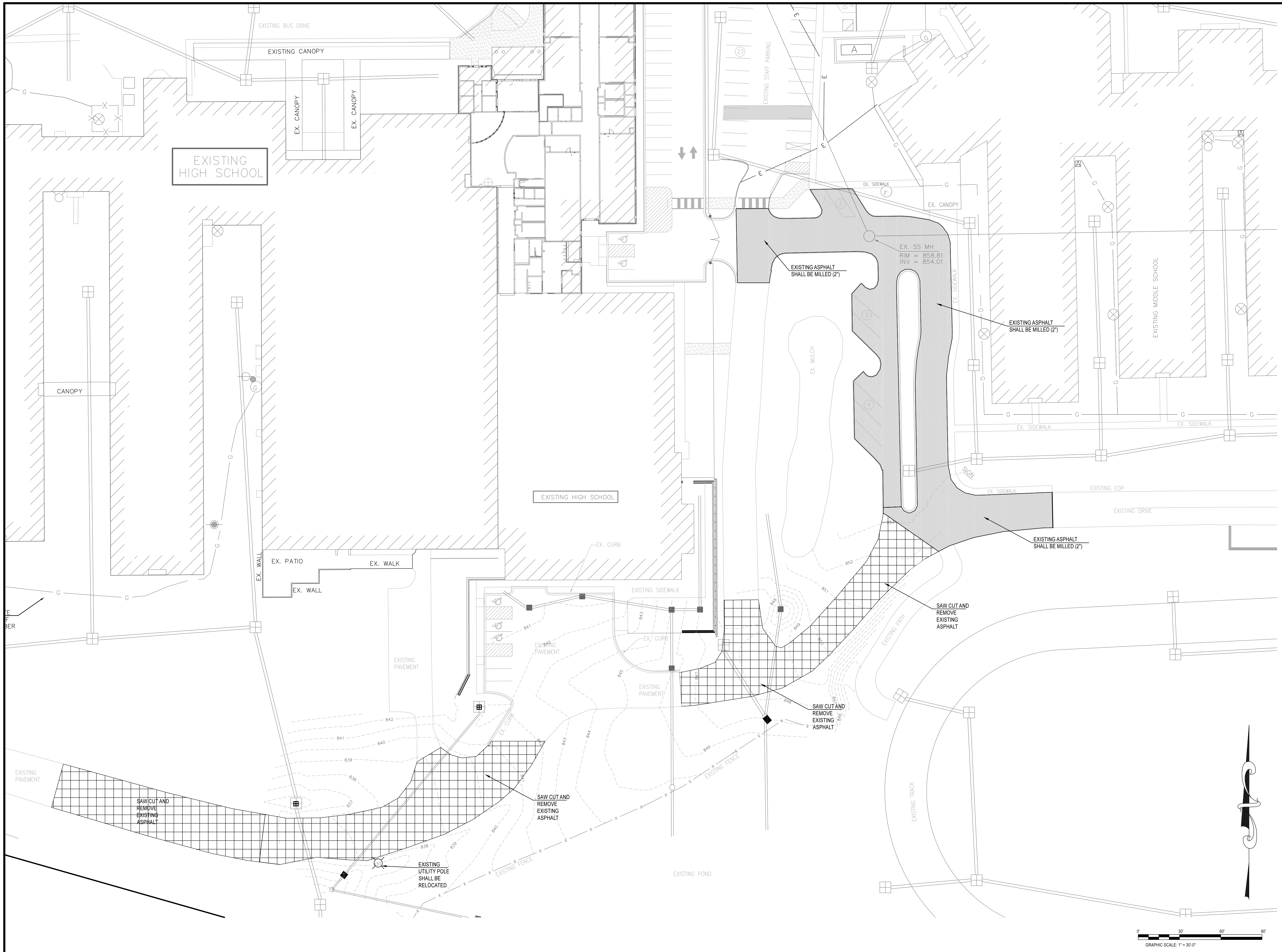
Sheet Title: GRADING PLAN

Engineer: JDM  
 Drawn By: CWJ  
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Revisions:  
 A ISSUE FOR PERMIT REVIEW/PRICING 04.25.22  
 B SCOOT COMMENTS/SCOPE REVISION 05.03.22

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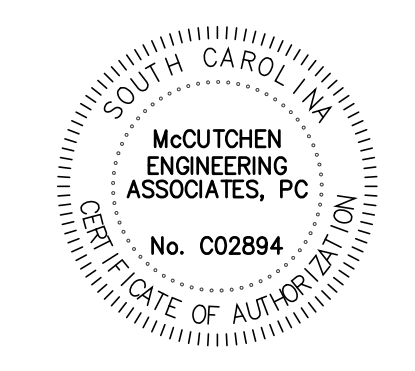


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2207-05-2022

Project: SPARTANBURG SCHOOL DISTRICT 2  
 CHESNEE HIGH SCHOOL - DRIVEWAY MODIFICATIONS  
 795 S. ALABAMA AVENUE, CHESNEE SC 29323

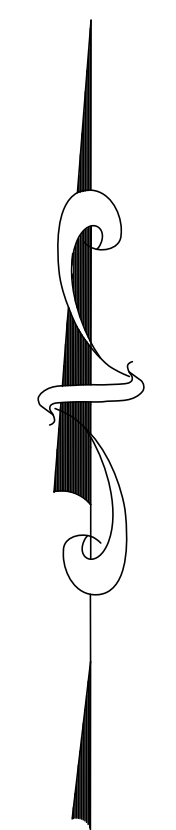
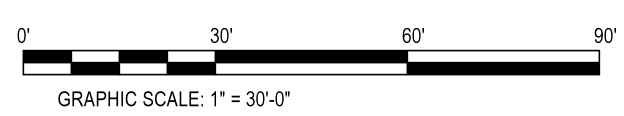
Sheet Title: EXISTING CONDITIONS AND DEMOLITION PLAN

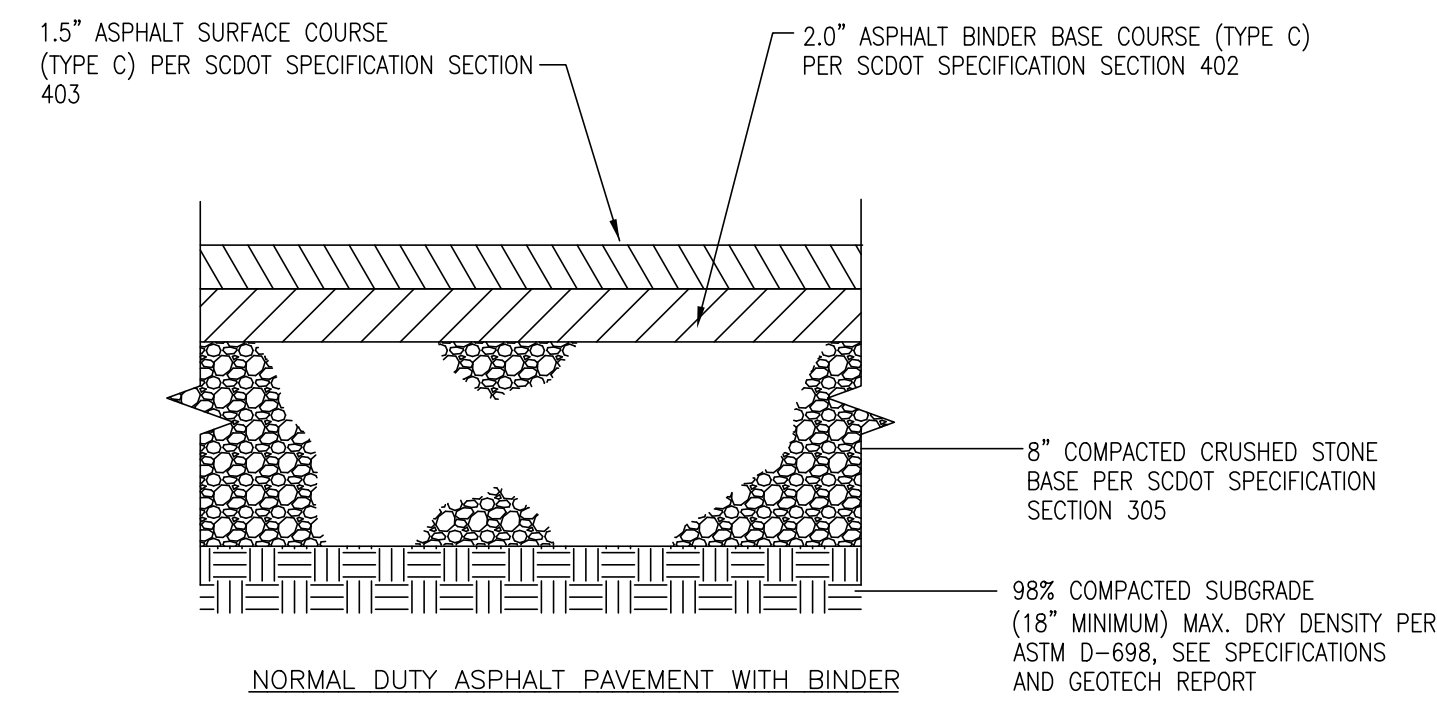
Engineer: JDM  
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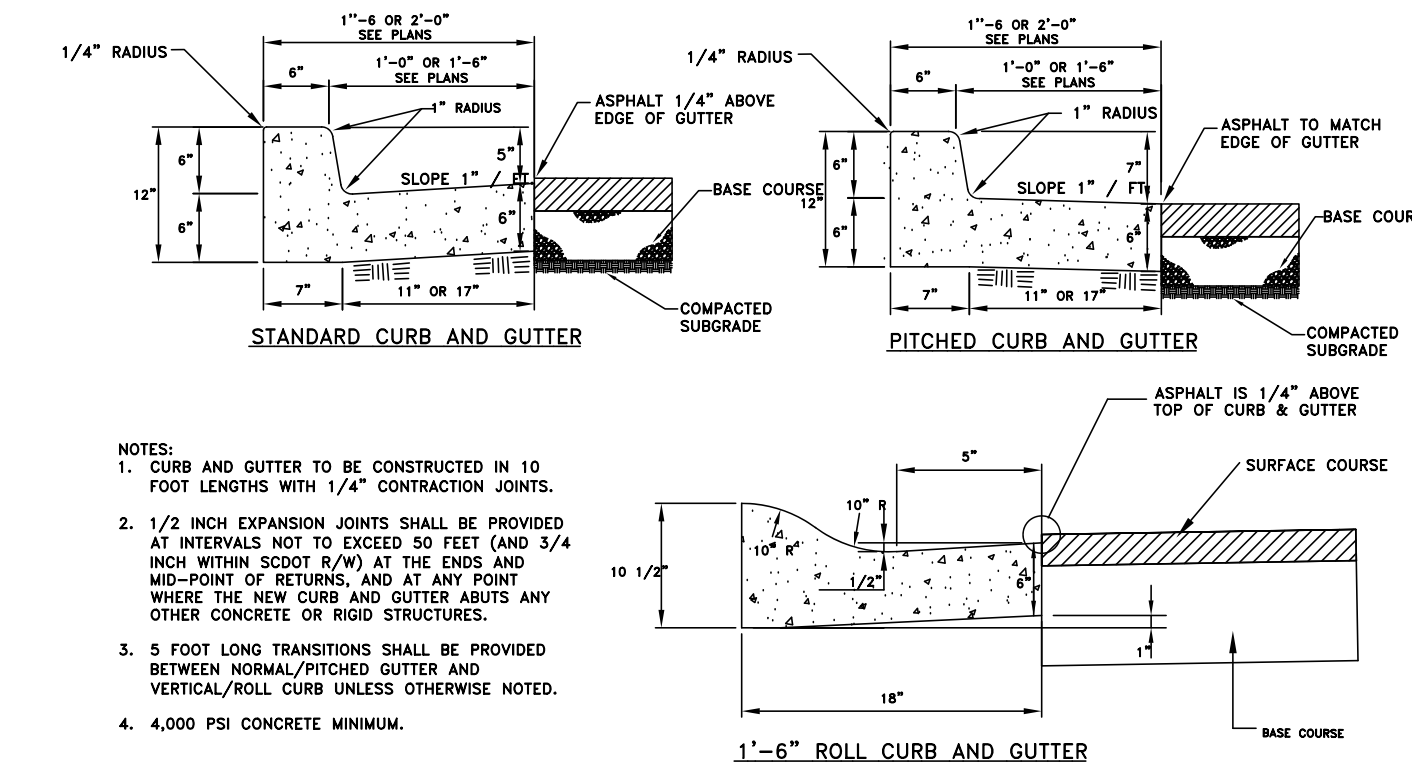
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**ASPHALT PAVING (ONSITE) DETAIL**

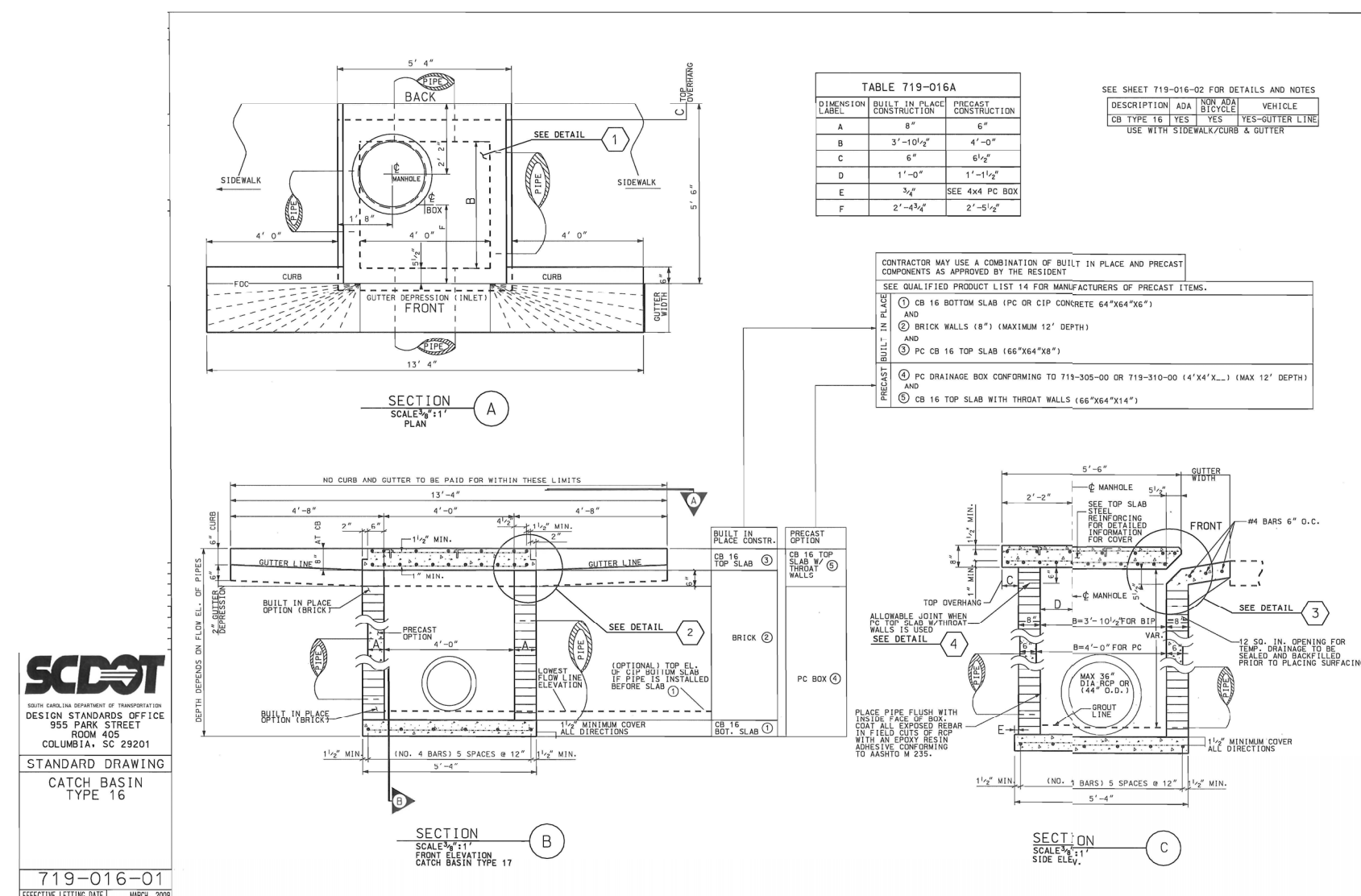
NOT TO SCALE



- NOTES:
1. CURB AND GUTTER TO BE CONSTRUCTED IN 10 FOOT LENGTHS WITH 1/4" CONTRACTION JOINTS.
  2. 1/2" INCH EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50 FEET (AND 3/4" INCH WITHIN SCOD 8'AV) AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB AND GUTTER ADJUTS ANY OTHER CONCRETE OR RIGID STRUCTURES.
  3. 5 FOOT LONG TRANSITIONS SHALL BE PROVIDED BETWEEN NORMAL/PITCHED GUTTER AND VERTICAL/ROLL CURB UNLESS OTHERWISE NOTED.
  4. 4,000 PSI CONCRETE MINIMUM.

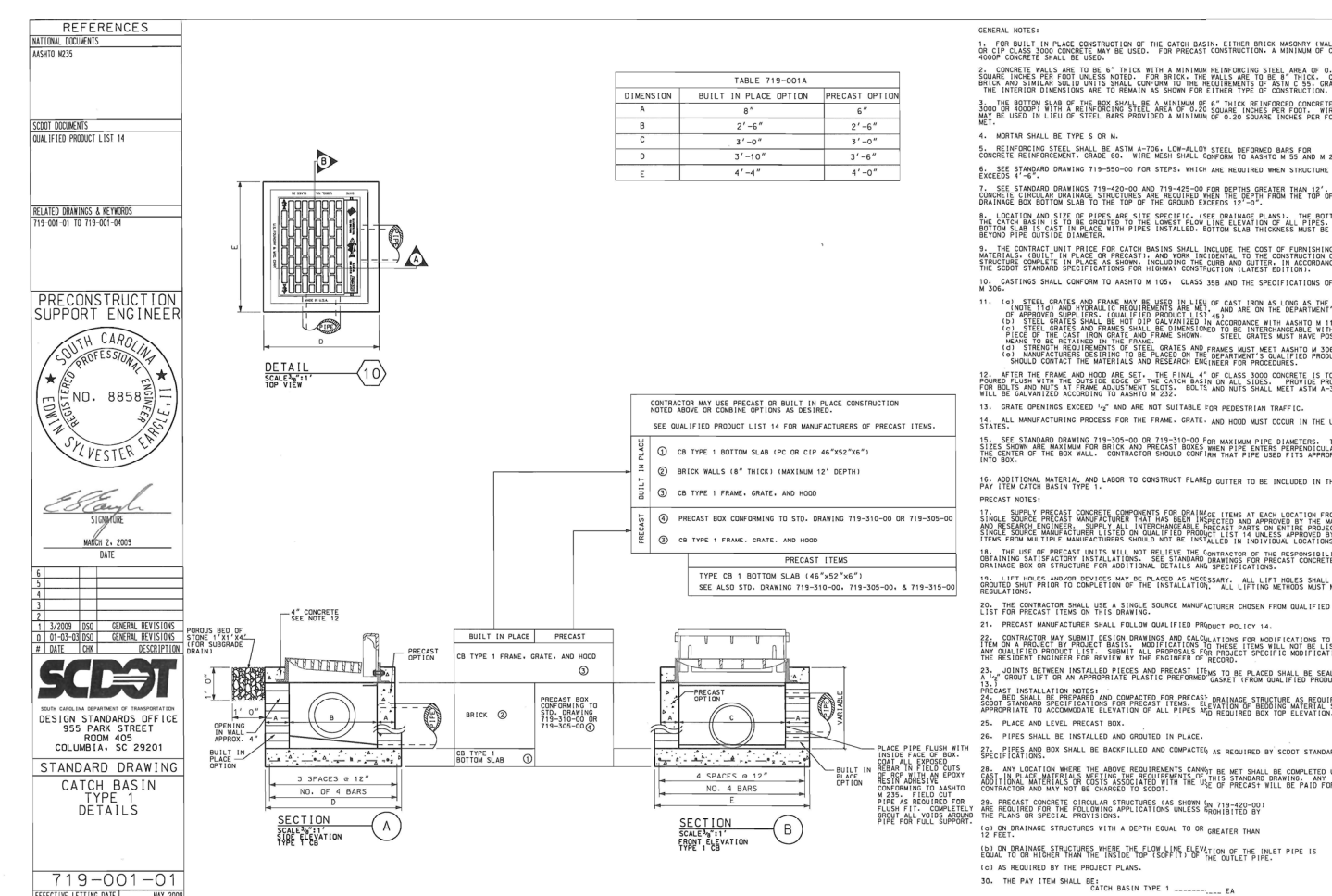
**STANDARD CURB AND GUTTER DETAIL**

NOT TO SCALE



**SCDOT TYPE 16 CATCH BASIN**

NOT TO SCALE



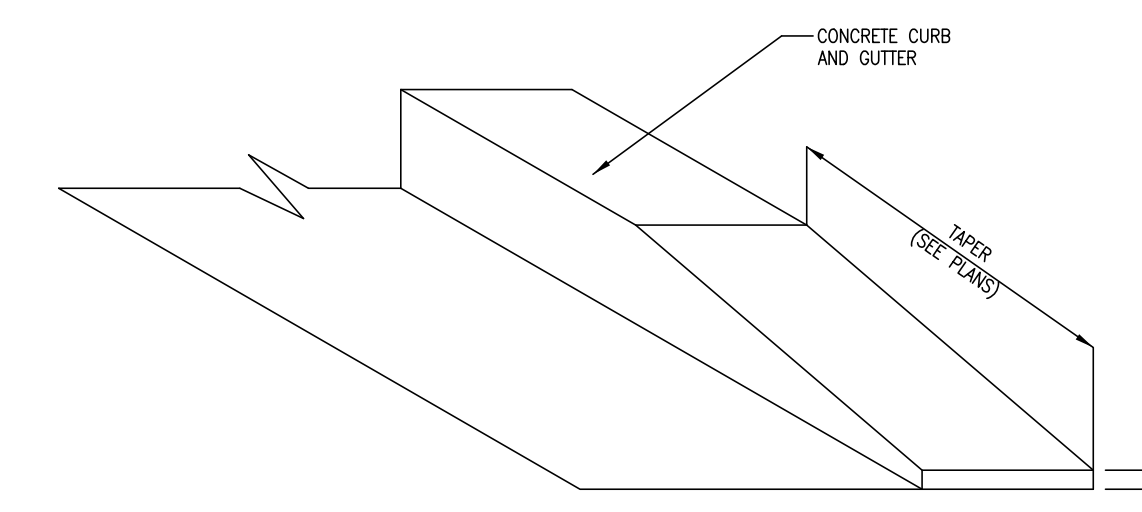
**TYPE 1 CATCH BASIN**

NOT TO SCALE

**CATCH BASIN / DROP INLET / JUNCTION BOX NOTES:**

1. FOR IN PLACE CONSTRUCTION OF CATCH BASINS, THE WALLS MAY BE EITHER BRICK MASONRY OR CLASS 3000 CONCRETE. CONCRETE WALLS ARE TO BE 6" THICK WITH A REINFORCING STEEL AREA OF 0.20 SQ. INCH PER FT. BRICK WALLS ARE TO BE 8" THICK. CONCRETE BRICK AND SIMILAR SOLID UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 90, GRADE S-1.
2. THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6" THICK CLASS 3000 CONCRETE WITH A REINFORCING STEEL AREA OF 0.20 SQ. INCH PER FT. WIRE MESH MAY BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM OF 0.20 SQ. INCH PER FT. IS MET.
3. MORTAR SHALL BE TYPE S, TYPE M IS AN ALLOWABLE ALTERNATIVE.
4. IF DESIRED THESE ITEMS MAY BE PRECAST PRIOR TO INSTALLATION IN LIEU OF BEING CAST IN PLACE. THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE STANDARD DRAWING FOR PRECAST CONCRETE DRAINAGE BOXES OR STRUCTURES FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
5. REINFORCING STEEL SHALL BE ASTM A-706, LOW ALLOY STEEL DEFORMED BARS FOR CONCRETE REINFORCEMENT, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M 221.
6. IF STRUCTURE DEPTH EXCEEDS 4'-6", METAL STEPS ARE TO BE PLACED ON WALL. SEE STEP REINFORCEMENT, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M 221.
7. CASTING SHALL CONFORM TO AASHTO M 105, CLASS 35B AND THE LOAD TEST OF AASHTO M 306 (40,000LBS.).
  - 7.1. STEEL GRATES AND FRAME MAY BE USED IN LIEU OF CAST IRON AS LONG AS THE LOADING AND HYDRAULIC REQUIREMENTS ARE MET, AND ARE ON THE DEPARTMENT'S LIST OF APPROVED SUPPLIERS.
  - 7.2. STEEL GRATES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111.
  - 7.3. STEEL GRATES AND FRAMES SHALL BE DIMENSIONED TO BE INTERCHANGEABLE WITH EACH PIECE OF THE CAST IRON GRATE AND FRAME SHOWN. STEEL GRATES MUST HAVE POSITIVE MEANS TO BE RETAINED IN THE FRAME.
  - 7.4. STRENGTH REQUIREMENTS OF STEEL GRATES AND FRAMES MUST MEET AASHTO M 306.
8. THE CONTRACT UNIT PRICE FOR CATCH BASINS SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS AND WORK INCIDENTAL TO THE CONSTRUCTION OF THE STRUCTURE COMPLETE IN PLACE AS SHOWN IN ACCORDANCE WITH THE SCOD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
9. THE SOFFIT (INSIDE TOP OF PIPE) OF THE OUTLET PIPE SHOULD BE NO HIGHER THAN THE FLOW-LINE OF THE INLET PIPE, UNLESS A PRECAST STRUCTURE IS SPECIFIED.
10. GRATE OPENINGS THAT EXCEED 1/2" ARE NOT SUITABLE FOR PEDESTRIAN TRAFFIC.
11. AFTER THE FRAME (AND HOOD IF APPLICABLE) ARE SET, THE FINAL 4" OF CLASS 3000 CONCRETE IS TO BE POURED FLUSH WITH THE OUTSIDE EDGE OF THE CATCH BASIN ON ALL SIDES. PROVIDE PROTECTION FOR BOLTS AND NUTS AT FRAME ADJUSTMENT SLOTS. BOLTS AND NUTS SHALL MEET ASTM A-507 AND WILL BE GALVANIZED ACCORDING TO AASHTO M 111.
12. ALL DRAINAGE STRUCTURES SHALL MEET SCOD SPECIFICATIONS.
13. ALL STRUCTURE INVERTS SHALL BE PAVED AND SLOPED TO OUTLETS.
14. ALL YARD INLETS SHALL HAVE 6" MIN. EXPOSED CONCRETE PERIMETER COLLARS.
15. ALL KNOCKOUT BOXES OR OTHER PRECAST BOXES SHALL HAVE TOP 12" BRICKED TO ALLOW FOR FIELD ADJUSTMENT IF REQUIRED.
16. ALL PIPE LENGTHS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LENGTHS WITH FIELD CONDITIONS.

**STORM DRAINAGE NOTES**



**CURB AND GUTTER END TAPER**

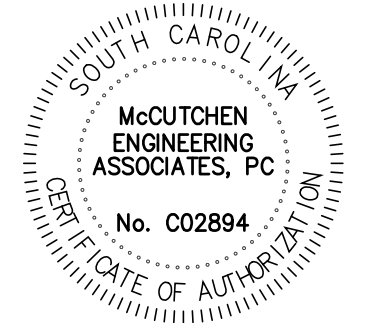
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Project: **SPARTANBURG SCHOOL DISTRICT 2**  
**CHESNEE HIGH SCHOOL - DRIVEWAY MODIFICATIONS**  
 705 S. ALABAMA AVENUE, CHESNEE SC 29323

Sheet Title: **NOTES AND DETAILS**

Engineer: **JDM**  
 Drawn By: **CWJ**  
 Date: **APRIL 2022**  
 Revisions: **A ISSUE FOR PERMIT REVIEW PRICING 04.25.22**

Project Number: **22071.002**

Sheet: **C400**



**TEMPORARY STABILIZATION**

**TEMPORARY STABILIZATION**  
 TEMPORARY STABILIZATION IS DEFINED AS A CONDITION WHERE EXPOSED SOILS OR DISTURBED AREAS ARE PROVIDED WITH TEMPORARY VEGETATIVE AND/OR NON-VEGETATIVE PROTECTIVE COVER TO PREVENT EROSION AND SEDIMENT LOSS. TEMPORARY STABILIZATION MAY INCLUDE TEMPORARY SEEDING, GEOTEXTILES, MULCHES, AND OTHER TECHNIQUES TO REDUCE OR ELIMINATE EROSION UNTIL EITHER FINAL STABILIZATION CAN BE ACHIEVED OR UNTIL FURTHER CONSTRUCTION ACTIVITIES TAKE PLACE TO RE-DISTURB THIS AREA.

**INITIATING TEMPORARY STABILIZATION**  
 INITIATE TEMPORARY STABILIZATION BY MULCH OR TEMPORARY STABILIZATION BY SEEDING WITHIN 7 CALENDAR DAYS WHERE LAND DISTURBING ACTIVITIES HAVE TEMPORARILY CEASED ON THE PROJECT AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. WHERE LAND DISTURBING ACTIVITIES ON A PORTION OF THE PROJECT ARE TEMPORARILY CEASED, AND THE LAND DISTURBING ACTIVITIES ARE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES ARE NOT REQUIRED TO BE INITIATED ON THAT PORTION OF THE PROJECT.

TEMPORARY STABILIZATION BY SEEDING IS REQUIRED IF THE PROJECT WILL NOT BE WORKED FOR PERIOD LONGER THAN 60 DAYS.

INITIATE TEMPORARY STABILIZATION MEASURES AS SOON AS PRACTICABLE FOR AREAS WHERE INITIATING TEMPORARY STABILIZATION MEASURES WITHIN 7 DAYS IS INFEASIBLE (E.G., WHERE SNOW COVER, FROZEN GROUND, OR DROUGHT CONDITIONS PRECLUDE STABILIZATION).

**ACCEPTANCE OF TEMPORARY STABILIZATION**  
 BEFORE ACCEPTANCE OF TEMPORARY STABILIZATION BY THE REGULATORY AGENCY AND THE DESIGN ENGINEER OR LANDSCAPE ARCHITECT, TEMPORARY STABILIZATION IS REQUIRED THAT IS SUFFICIENT TO CONTROL EROSION FOR A GIVEN AREA AND LENGTH OF TIME BEFORE THE NEXT PHASE OF CONSTRUCTION OR THE ESTABLISHMENT OF PERMANENT SEEDING IS TO COMMENCE. A SATISFACTORY STAND OF TEMPORARY STABILIZATION MEETING THE REQUIREMENTS OF THIS SPECIFICATION IS REQUIRED REGARDLESS OF THE TIME OF THE YEAR THE WORK IS PERFORMED.

**TEMPORARY COVER BY MULCH**  
 USE TEMPORARY COVER BY MULCH WHERE IT IS NOT FEASIBLE OR PRACTICABLE TO BRING AN AREA TO FINAL SLOPE AND GRADE. FINISH THE SURFACE SO THAT PERMANENT SEEDING CAN BE PERFORMED WITHOUT SUBSEQUENT DISTURBANCE BY ADDITIONAL GRADING.

**TEMPORARY COVER BY SEEDING**  
 FOLLOWING THE PREPARATION OF THE SEEDBED, SOW SEED PER THE SEEDING TABLES AND APPLY AN APPROPRIATE MULCH PRIOR TO A RAINFALL EVENT THAT COMPACTS THE SEEDBED. THE CONTRACTOR MAY ADD GRANULAR LIME AND FERTILIZER AS NECESSARY TO ENHANCE GROWTH.

**FINAL STABILIZATION**

FINAL STABILIZATION IS DEFINED THAT ALL LAND -- DISTURBING ACTIVITIES AT THE CONSTRUCTION SITE HAVE BEEN COMPLETED AND THAT ON ALL AREAS NOT COVERED BY PERMANENT STRUCTURES, EITHER

1. A UNIFORM (E.G., EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERMANENT VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT HAS BEEN ESTABLISHED, OR
2. EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF LANDSCAPING, MULCH, KIDRAP, PAVEMENT, AND GRAVEL) HAVE BEEN IMPLEMENTED TO PROVIDE EFFECTIVE COVER FOR EXPOSED PORTIONS OF THE CONSTRUCTION SITE NOT STABILIZED WITH PERMANENT VEGETATION

FINAL STABILIZATION BY VEGETATION MUST BE ACHIEVED WITH PERMANENT PERENNIAL VEGETATION PRIOR TO ISSUING THE NOTICE OF TERMINATION (N.O.T.).

**PERMANENT SEEDING**  
 INITIATE PERMANENT SEEDING WITHIN 7 CALENDAR DAYS WHERE LAND DISTURBING ACTIVITIES HAVE TEMPORARILY CEASED ON THE PROJECT. WHERE LAND DISTURBING ACTIVITIES ARE RESUMED WITHIN 14 DAYS, STABILIZATION MEASURES ARE NOT REQUIRED TO BE INITIATED ON THAT PORTION OF THE PROJECT.

**INITIATING PERMANENT SEEDING MEASURES** AS SOON AS PRACTICABLE FOR AREAS WHERE INITIATING PERMANENT SEEDING MEASURES WITHIN 7 DAYS IS INFEASIBLE (E.G., WHERE SNOW COVER, FROZEN GROUND, OR DROUGHT CONDITIONS PRECLUDE STABILIZATION). WHEN PERFORMING PERMANENT SEEDING FOR PERMANENT DETENTION PONDS, ENSURE THAT THE DETENTION POND IS CLEARED OF ANY DEPOSITED SEDIMENT AND GRADED TO THE REQUIRED PERMANENT DETENTION BASIN CONFIGURATION. ENSURE THE SEEDBED FOR THE PERMANENT SEEDING IS ESTABLISHED IN ACCORDANCE WITH THIS SPECIFICATION.

**ACCEPTANCE OF PERMANENT SEEDING**  
 BEFORE ACCEPTANCE, A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF EACH SQUARE YARD OF THE SEEDBED AREA IS REQUIRED. A WELL DEVELOPED ROOT SYSTEM MUST BE ESTABLISHED TO SUFFICIENTLY SURVIVE DRY PERIODS AND WINTER WEATHER AND BE CAPABLE OF REESTABLISHMENT IN THE SPRING.

**PERMANENT SEEDING INSTALLATION**  
 FOLLOWING THE PREPARATION OF THE SEEDBED, PERFORM PERMANENT SEEDING PER THE SEEDING TABLES AND APPLY AN APPROPRIATE MULCH WITHIN 5 WORKING DAYS AND/OR PRIOR TO A RAINFALL EVENT THAT COMPACTS THE PREPARED SEEDBED. IF A RAIN EVENT OCCURS THAT COMPACTS OR ERODES THE SEEDBED PRIOR TO PERFORMING PERMANENT SEEDING, THE SEEDBED MUST BE RE-PREPARED PRIOR TO CONDUCTING PERMANENT SEEDING. ADD FERTILIZER AND LIME AS REQUIRED BY A SOIL TEST.

**LIME**

**AGRICULTURAL GRANULAR LIME**  
 USE AGRICULTURAL GRADE, STANDARD GROUND LIMESTONE FOR ALL PERMANENT SEEDING APPLICATIONS AND SODDING APPLICATIONS.

**APPLYING GRANULAR LIME**  
 A SOIL ANALYSIS IS RECOMMENDED PRIOR TO APPLICATION. APPLY AT A RATE WITHIN ±10% OF WEIGHT RECOMMENDATION OF SOIL ANALYSIS. DO NOT APPLY MORE THAN 2,500 LBS/ACRE OF LIME IN A SINGLE APPLICATION.

**FAST ACTING LIME**  
 USE FAST ACTING LIQUID AND/OR DRY FORMS OF LIME FOR ALL TEMPORARY SEEDING AND PERMANENT SEEDING APPLICATIONS.

**FERTILIZER**

**GRANULAR FERTILIZER**  
 USE FOR ALL PERMANENT SEEDING APPLICATIONS AND ALL SODDING APPLICATIONS. PROPER MIXTURE IS DEPENDENT ON THE EXISTING SOIL CONDITIONS AND IT IS RECOMMENDED THAT A SOIL ANALYSIS BE PERFORMED IF THE SOIL CONDITIONS ARE UNCERTAIN IN THE AREA OF FERTILIZER APPLICATION.

USE FERTILIZER THAT INCORPORATES A MINIMUM OF 50% WATER INSOLUBLE (SLOW RELEASE) ANIMAL BY-PRODUCT OR MUNICIPAL WASTE FERTILIZERS ARE NOT ACCEPTABLE UNDER THIS SPECIFICATION UNLESS A SOIL ANALYSIS IS PERFORMED TO DETERMINE OTHERWISE. A GOOD RULE OF THUMB GRANULAR FERTILIZER TO APPLY IN THE UPSTATE OF SOUTH CAROLINA IS 10-10-10.

IN NO CASE SHOULD A 20-20-20 FERTILIZER BE USED DUE TO THE POTENTIAL BURNING OF THE SEEDBED.

**COMPOST SOIL AMENDMENT**  
 FOR SEEDBEDS THAT HAVE LITTLE OR NO TOPSOIL, ARE HIGHLY ACIDIC, OR ARE LACKING SUFFICIENT NUTRIENTS TO SUSTAIN A HEALTHY STAND OF GRASS PLANT, AND MIX CERTIFIED WEE FREE COMPOST INTO THE SEEDBED TO ENSURE A GOOD STAND OF GRASS.

**BIOLOGICAL GROWTH STIMULANT**

USE FOR ALL PERMANENT SEEDING, SODDING, AND TEMPORARY SEEDING APPLICATIONS. ANIMAL BY-PRODUCTS OR MUNICIPAL WASTE PRODUCTS ARE NOT ACCEPTABLE, AND CAN CAUSE BURNING OF THE SEEDBED IF APPLIED AS SUCH.

**SEEDING DATES AND RATES OF APPLICATION**

PERFORM SEEDING DURING THE PERIODS AND AT THE RATES SPECIFIED IN THE SEEDING TABLES. DO NOT USE TEMPORARY COVER BY SEEDING OR PERMANENT SEEDING FOR SLOPES WHEN

- THE GROUND IS FROZEN AND/OR WHEN THE 10-DAY FORECASTED LOW TEMPERATURE REMAINS BELOW 35 DEGREES FAHRENHEIT;
- THE GROUND IS EXCESSIVELY WET; OR
- THE GROUND IS EXCESSIVELY DRY (PERIODS OF DROUGHT) UNLESS WATERING IS SPECIFIED.

DURING PERIODS OF ADVERSE CONDITIONS, USE TEMPORARY COVER BY MULCH.

**SEEDBED PREPARATION**

- ENSURE THAT THE AREAS RECEIVING PERMANENT SEEDING ARE UNIFORM AND CONFORM TO THE FINISHED GRADE OF THE PROJECT.
- PERFORM MINOR SHAPING AND EVENING OF UNEVEN AND ROUGH AREAS OUTSIDE OF THE GRADED AREA IN ORDER TO PROVIDE FOR MORE EFFECTIVE EROSION CONTROL AND FOR EASE OF CURBING AND REPAIRING OPERATIONS.
- SUBSEQUENT TO GRADING, GRADING (CUT SLOPES) TO A MINIMUM DEPTH OF THREE (3) INCHES BEFORE INITIATING PERMANENT SEEDING AND TEMPORARY SEEDING.
- AN ACCEPTABLE METHOD OF PREPARING THE SEEDBED ON SLOPES IS VERTICALLY TRACKING THE SEEDBED UP AND SEEDBED UP AND DOWN THE SLOPE WITH PROPER EQUIPMENT.
- REMOVE STONES LARGER THAN TWO AND ONE-HALF (2½) INCHES IN ANY DIMENSION, LARGE DIRT CLOUDS, ROOTS, OR OTHER DEBRIS BROUGHT TO THE SURFACE.
- USE COMPOST IF GOOD SEEDBED MATERIAL IS NOT LOCATED ON SITE OR RESULTS OF THE SOIL TEST SHOW THE SEEDBED IS EXCESSIVELY NUTRIENT DEFICIENT TO THE EXTENT OF REQUIRING COSTLY FERTILIZER ADDITIONS AND OR HAVE EXCESSIVELY LOW PH VALUES (LOWER THAN 5.0).
- CONSIDER THE USE OF MECHANICAL SEED DRILLS TO PERFORM PERMANENT SEEDING ON AREAS WHERE TEMPORARY SEEDING OR TEMPORARY COVER BY MULCH WAS PREVIOUSLY UTILIZED.

**MULCH**

REQUIRED FOR ALL PERMANENT SEEDING, TEMPORARY SEEDING, AND TEMPORARY COVER APPLICATIONS. TEMPORARY SEEDING AND TEMPORARY COVER APPLICATIONS WHEN THE APPLICATION AREA WILL REQUIRE DO NOT USE MULCH IN AREAS WHERE CONCENTRATED FLOW IS EXPECTED. USE HECUP MULCH FOR ADDITIONAL GRADING PRIOR TO PERMANENT SEEDING. DO NOT USE EROSION CONTROL BLANKETS (ECB) OR TURF REINFORCEMENT MATTING (TRM) IN THIS SITUATION.

**WOOD CHIP MULCH**

WOOD CHIP MULCH IS NOT ACCEPTABLE FOR SEEDING APPLICATIONS. IF WOOD CHIP MULCH IS USED FOR TEMPORARY COVER BY MULCH, IT MUST BE REMOVED PRIOR TO PERFORMING PERMANENT SEEDING.

**STRAW OR HAY MULCH WITH TACKIFIER**

USE MATERIAL THAT IS CERTIFIED WEED, DO NOT USE ON SLOPES STEEPER THAN 4H:1V. ANCHOR USING ONE OF THE FOLLOWING TACKLING AGENTS:

- ORGANIC OR CHEMICAL TACKIFIER
- HYDRAULIC STRAW TACKIFIERS
- EMULSIFIED ASPHALT

**APPLYING STRAW OR HAY**

MULCH APPLY MATERIAL AT THE RATE OF 2,000 POUNDS PER ACRE.

**COMPOST MULCH**

ONLY USE FROM PRODUCER THAT PARTICIPATES IN THE USCC STA PROGRAM. DO NOT USE MATERIALS THAT HAVE BEEN TREATED WITH CHEMICAL PRESERVATIVES AS A COMPOST MULCH. DO NOT USE MIXED MUNICIPAL SOLID WASTE COMPOST.

**HYDRAULIC EROSION CONTROL PRODUCTS (HECPs)**

USE AS AN ALLOWABLE MULCH FOR TEMPORARY COVER BY MULCH, TEMPORARY COVER BY SEEDING OR PERMANENT COVER BY SEEDING APPLICATIONS. DO NOT USE AS A CHANNEL LINER OR FOR AREAS RECEIVING CONCENTRATED FLOW.

**TEMPORARY EROSION CONTROL BLANKETS (ECB) AND TURF REINFORCEMENT MATTING (TRM)**

CONSIDER FOR PERMANENT SEEDING APPLICATION AREAS WITH STEEP SLOPES OR AREAS WHERE THERE IS A SIGNIFICANT EROSION PROBLEM OR POTENTIAL FOR EROSION. USE IN AREAS WHERE CONCENTRATED FLOW IS EXPECTED. DO NOT USE FOR TEMPORARY SEEDING APPLICATIONS WHEN THE APPLICATION AREAS WILL REQUIRE ADDITIONAL GRADING OR MODIFICATIONS PRIOR TO PERMANENT SEEDING.

**PROTECTION OF STRUCTURES**

COVER ANY PARTS OF BRIDGES, CULVERTS, GUARDRAILS, SIGNS, SIDEWALKS, CURB AND GUTTERS, CATCH BASINS, PIPE ENDS, AND OTHER STRUCTURES AS NECESSARY TO PREVENT DISCOLORATION BEFORE SPRAYING HECPs, ORGANIC OR CHEMICAL TACKIFIERS.

**SLOPE INTERRUPTION**

THE MAXIMUM ALLOWABLE CONTINUOUS SLOPE LENGTH FOR STRAW OR HAY MULCH, HECPs, COMPOST AND ECB APPLICATIONS IS 50 FEET. SLOPE INTERRUPTION DEVICES (SUCH AS SEDIMENT TUBES) OR TRMS ARE REQUIRED FOR CONTINUOUS SLOPE LENGTH LONGER THAN 50 FEET.

**INSPECTION**

ENSURE THAT ALL SEED, SOD, FAST ACTING LIME, BIOLOGICAL GROWTH STIMULANTS, AGRICULTURAL GRANULAR LIME, GRANULAR FERTILIZER, STRAW AND HAY MULCH, HECPs, COMPOST MULCH, AND ECBs ARE APPLIED AS SPECIFIED. THE DESIGN ENGINEER OR LANDSCAPE ARCHITECT OR MEMBER OF THE DESIGN ENGINEER OR LANDSCAPE ARCHITECT STAFF MUST DOCUMENT ON-SITE THAT THESE MATERIALS ARE APPLIED CORRECTLY BY COMPLETING AND SIGNING PROPER FORMS.

**MAINTENANCE**

PERFORM ALL MAINTENANCE NECESSARY TO KEEP STABILIZATION AREAS IN A SATISFACTORY CONDITION UNTIL THE WORK IS FINALLY ACCEPTED. THIS INCLUDES MOWING, REPAIRING AREAS OF EROSION AND WASHES, AND APPLYING ADDITIONAL SEED, FERTILIZER, AND MULCH TO AREAS WHERE A SATISFACTORY STAND OF GRASS HAS NOT BEEN ACHIEVED.

**MOWING**

MOW ROAD SHOULDERS AND MEDIANS WHEN VEGETATION REACHES A HEIGHT OF APPROXIMATELY 18 TO 24 INCHES. DO NOT PERFORM EXCESSIVE MOWING OF SLOPES RESULTING IN RUTS, FURROWS OR GROOVES. DO NOT PERFORM EXCESSIVE MOWING OF SLOPES THAT INHIBITS THE ESTABLISHMENT OF THE SLOPE VEGETATION. DO NOT PERFORM MOWING WHEN SOIL AND WEATHER CONDITIONS ARE SUCH THAT RUTTING OR OTHER DAMAGE TO THE PROJECT MAY OCCUR.

ENSURE MOWING RESULTS IN A UNIFORM VEGETATION HEIGHT OF 4 TO 6 INCHES, UNLESS OTHERWISE DIRECTED. WHEN UTILIZING A NURSE CROP FOR PERMANENT SEEDING, MOW MILLET (NO LOWER THAN 3 INCHES) ONCE IT REACHES A HEIGHT OF 18 INCHES TO REDUCE COMPETITIVENESS WITH THE PERMANENT VEGETATION. MOW WHEAT AND RYE GRAIN (NO LOWER THAN 3 INCHES) ONCE THEY REACH A HEIGHT OF 6-8 INCHES TO REDUCE COMPETITIVENESS WITH PERMANENT VEGETATION.

**SOD**

INITIATE SOD APPLICATIONS WITHIN 7 CALENDAR DAYS WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON THE PROJECT. INITIATE SOD APPLICATIONS MEASURES AS SOON AS PRACTICABLE FOR AREAS WHERE INITIATING SOD APPLICATIONS WITHIN 7 DAYS IS INFEASIBLE (E.G., WHERE SNOW COVER, FROZEN GROUND, OR DROUGHT CONDITIONS PRECLUDE STABILIZATION). USE SOIL SLOPES LESS THAN 4H:1V.

**ACCEPTANCE OF SOD**  
 ACCEPTANCE IS CONTINGENT ON ESTABLISHING A SATISFACTORY STAND OF PERENNIAL GRASS. SOD APPLICATION AREAS ARE ACCEPTABLE WHEN ALL REQUIREMENTS INCLUDING MAINTENANCE ARE MET AND A HEALTHY, EVENLY COLORED, VIABLE STAND OF GRASS IS ESTABLISHED. A SATISFACTORY STAND OF GRASS MUST HAVE A ROOT SYSTEM THAT IS SUFFICIENT TO SURVIVE DRY PERIODS AND WINTER WEATHER AND IS CAPABLE OF RE-ESTABLISHING IN THE SPRING.

- DO NOT USE SODDING ON SLOPES STEEPER THAN 2H:1V, AND IF SODDING IS MOWED, DO NOT PLACE ON SLOPES GREATER THAN 3H:1V. INSTALL WARM SEASON SOD BETWEEN MARCH 1ST AND SEPTEMBER 1ST. INSTALL COOL SEASON SOD ANYTIME DURING THE YEAR AS LONG AS THE SOIL IS NOT FROZEN. DO NOT PLACE SOD ON:
  - SOIL THAT IS FROZEN AND/OR WHEN THE 10-DAY FORECASTED LOW TEMPERATURE REMAINS BELOW 35 DEGREES FAHRENHEIT;
  - SOIL THAT IS EXCESSIVELY WET;
  - SOIL THAT IS EXCESSIVELY DRY (PERIODS OF HEAT OR DROUGHT) UNLESS WATERING IS SPECIFIED;
  - SOIL THAT IS COMPOSED OF COMPACTED CLAY AND
  - SOIL THAT HAS BEEN TREATED WITH PESTICIDES.

**SOD BED PREPARATION**

- ENSURE THE SOD BED IS UNIFORM AND CONFORMS TO THE FINISHED GRADE OF THE PROJECT
- LOOSEN THE SOD BED TO A MINIMUM DEPTH OF 3 INCHES BEFORE PLACING SOD
- BURNISH AND PLACE TOPSOIL OR COMPOST ON THE SOD BED MARKS WHERE THE EXISTING SOD BED HAS LITTLE OR NO TOPSOIL.
- LAY SOD WHEN SOD BED IS MOIST. MOISTEN DRY SOD BEDS BEFORE SOD IS LAD. SOD MATERIAL PROVIDE SOD WITH LINKS WELL ESTABLISHED GROWTH WITH A DENSE ROOT MAT OF PREDOMINANT GRASS SPECIFIED. PROVIDE VIGOROUS, WELL ROOTED, HEALTHY TURF, FREE FROM DISEASE, INSECT PESTS, WEEDS, OTHER GRASSES, STONES, AND ANY OTHER HARMFUL OR DETRIMENTAL MATERIALS.

**SOD INSTALLATIONS**

ENSURE SOD IS NOT INSTALLED UNTIL THE END OF THE PROJECT OR WHEN FINAL STABILIZATION IS ACHIEVED ON ADJACENT AREAS OF THE PROJECT THAT DRAIN OR DISCHARGE TO THE SOD APPLICATION.

**GRASSING NOTES:**

1. 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.
2. 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.
3. 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) 582-0585 TO SCHEDULE AN INSPECTION. ANY PROPOSED MODIFICATIONS TO THE GRASSING SPECIFICATIONS AND/OR METHODOLOGY SHOULD BE SUBMITTED TO THE ENGINEER WELL IN ADVANCE OF GRASSING ACTIVITIES. MODIFICATIONS MAY OR MAY NOT BE APPROVED.
4. THE CONTRACTOR SHALL PROVIDE A CERTIFIED LETTER INDICATING THE QUANTITIES OF MATERIAL APPLIED PER ACRE.
5. 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 80% OF THE SEEDBED AREA.
6. PERMANENT GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS WITH THE FOLLOWING CRITERIA:
  - A. LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE CONTAINING LEAST 34% MAGNESIUM CARBONATE.
  - B. SEED SHALL BE A MINIMUM 90 % PURITY AND 80 % GERMINATION.
  - C. AREAS TO HAVE GRASS APPLIED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLOUDS OR CLUMPS GREATER THAN 3" BROKEN UP AND FOREIGN MATERIAL INCLUDING ROCK, ROOTS, AND MISC. DEBRIS REMOVED.
  - D. FERTILIZER AND LIME SHALL BE THOROUGHLY WORKED INTO THE SOIL, AND THE SURFACE RAKED SMOOTH BEFORE APPLYING SEED.
  - E. SEED SHALL BE APPLIED EVENLY AT THE MINIMUM RATE AND RAKED IN LIGHTLY WITH APPROXIMATELY 1/4" TOPSOIL COVER. SEEDBED AREAS SHALL BE DRESSED SMOOTH.
  - F. AREAS SHALL BE SPRAYED IMMEDIATELY WITH AN EMULSION TO BIND SEED AND MULCH.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MAINTENANCE NECESSARY TO KEEP SEEDBED 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.
8. PAYMENT TO THE CONTRACTOR SHALL NOT EXCEED 75 % OF THE CONTRACT PRICE FOR GRASS UNTIL A SATISFACTORY STAND OF PERMANENT GRASS HAS BEEN OBTAINED.
9. 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.
10. ALL COSTS FOR PROVIDING AN ACCEPTABLE STAND OF GRASS (PERMANENT & TEMPORARY SEEDINGS) SHALL BE INCLUDED IN BASE BID (INCLUDING TEMPORARY IRRIGATION IF REQUIRED). 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.
11. UPON PROVIDING A STAND OR GRASS (PERMANENT) THE CONTRACTOR SHALL MECHANICALLY MOW (A MINIMUM OF 2 TIMES) AT THE GRASS TYPE RECOMMENDED HEIGHT.

**SEEDBED PREPARATION**

AREAS TO BE SEEDBED SHALL BE RIPPED OR TILLED AND SPREAD WITH AVAILABLE TOPSOIL 4" DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 6".

ROCKS, ROOTS AND OTHER OBSTRUCTIONS AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SURFACE OF THE SEEDBED. SURFACE OF COMPLETED

PREPARED SEEDBED SHALL BE LOOSE SMOOTH AND UNIFORM, AND IN A MOWABLE CONDITION SUITABLE FOR RESIDENTIAL GRADE EQUIPMENT. CONTRACTOR SHALL TILL DISC AND/OR HARROW IF NECESSARY TO ACHIEVE THIS.

CONTRACTOR SHALL TILL, DISC AND/OR HARROW IF NECESSARY TO ACHIEVE THIS.

IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME SHALL BE APPLIED ACCORDING TO THE SEEDING SPECIFICATIONS.

IF SOIL TEST IS TAKEN, APPLY FERTILIZER AND LIME IN ACCORDANCE W/SOIL TEST RECOMMENDATIONS.

LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.

CONTRACTOR SHALL STABILIZE ALL NON-PAVED DENIED SURFACES USING HYDRAULICALLY APPLIED FLEXTERRA FGM IMMEDIATELY AFTER FINISH GRADING AND PRIOR TO FIRST RAINFALL THEREAFTER. STRICTLY COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND APPLICATION RATES.

**TEMPORARY GRASSING SCHEDULE**

TEMPORARY GRASS JAN 1 - MAY 1

COMMON NAME	PLANTING RATE
RYE (GRAIN)	75 LB./ACRE
ANNUAL LESEPEDEZA	50 LB./ACRE
MULCH (STRAW)	4000 LB./ACRE
AGRICULTURAL LIMESTONE	3000 LB./ACRE
FERTILIZER 17-17-17	500 LB./ACRE

TEMPORARY GRASS MAY 1 - MAY 15

COMMON NAME	PLANTING RATE
GERMAN MILLET	75 LB./ACRE
MULCH (STRAW)	4000 LB./ACRE
AGRICULTURAL LIMESTONE	3000 LB./ACRE
FERTILIZER 17-17-17	500 LB./ACRE

TEMPORARY GRASS AUG 15 - DEC 30

COMMON NAME	PLANTING RATE
RYE (GRAIN)	75 LB./ACRE
MULCH (STRAW)	4000 LB./ACRE
AGRICULTURAL LIMESTONE	3000 LB./ACRE
FERTILIZER 17-17-17	500 LB./ACRE

**PERMANENT GRASSING SCHEDULE**

COMMON NAME	PLANTING RATE	PLANTING DATES																				
		20	21	22	23	24	25	26	27	28	29	30	31									
COMMON BERMUDA GRASS WITH HILLS WHITE CLOVER	125 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
WHITE CLOVER	30 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
BROWN TOP MILLET	15 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
FERTILIZER 17-17-17	500 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AGRICULTURE LIMESTONE	3000 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
TALL FESCUE (KY-31)	250 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
COMMON BERMUDA GRASS	75 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
WITH HILLS WHITE CLOVER	15 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CRIMSON CLOVER	15 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PERENNIAL RYE GRASS	30 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
FERTILIZER 17-17-17	500 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AGRICULTURE LIMESTONE	3000 LBS/ACRE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

\*\*\* SLOPES 3:1 AND GREATER, ADD 75 LB/ACRE LOVEGRASS TO SEED MIX.

ALL DISTURBED AREAS NOT RECEIVING SHALL RECEIVE HYDRAULICALLY APPLIED FLEXTERRA FGM IMMEDIATELY AFTER FINISHING GRADING AND PRIOR TO FIRST RAINFALL EVENT. APPLICATION AND INSTALLATION OF FLEXTERRA SHALL STRICTLY COMPLY WITH MANUFACTURERS RECOMMENDATIONS.

ALL SLOPES 3:1 OR GREATER SHALL RECEIVE MATTING AND FLEXTERRA FGM.

**MULCH APPLICATION TABLE**

MULCH	APPLICABLE SLOPE (H:V)	MINIMUM APPLICATION RATE (LBS/ACRE-DRY)
WOOD CHIPS	7:41	500 CY/ACRE
STRAW OR HAY WITH TACKIFIER	7:41	2,000
HECP TYPE 1	7:41	2,000
HECP TYPE 2	4:1 < 3:1	2,500
HECP TYPE 3	3:1 < 2:1	3,000
HECP TYPE 4	2:1 < 1:1	3,500
COMPOST MULCH	7:41	4,000 (TEMP COVER ONLY)
COMPOST MULCH	7:41	200 CY/ACRE

- 1) THE MAXIMUM ALLOWABLE CONTINUOUS SLOPE LENGTH FOR ALL MULCH APPLICATIONS IS 50 FEET. SLOPE INTERRUPTION DEVICES OR TRMS ARE REQUIRED FOR CONTINUOUS SLOPE LENGTH LONGER THAN 50 FEET.
- 2) STRICTLY COMPLY WITH THE MANUFACTURER'S DESIGN RECOMMENDATION FOR THE ACTUAL SLOPE STEEPNESS AND THE ACTUAL CONTINUOUS SLOPE LENGTH OF THE APPLICATION.
- 3) HECP TYPE 4 MAY BE USED FOR PERMANENT COVER APPLICATIONS ON SLOPES 1:1 OR GREATER AT A MINIMUM RATE OF 4,500 POUNDS PER ACRE.