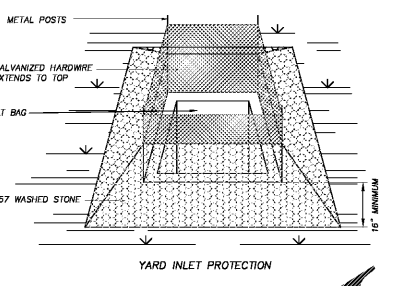
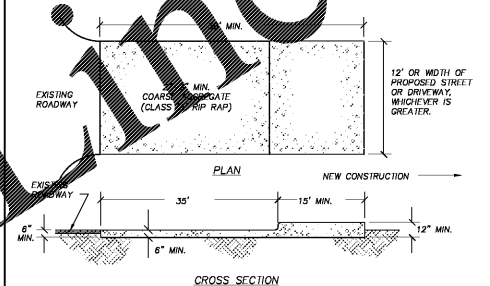


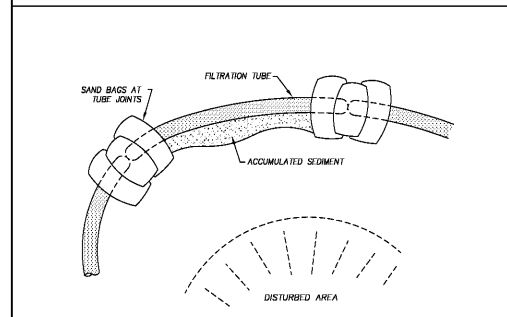
- NOTES:**
- CONTRACTOR TO INSPECT SILT BAG EVERY TWO WEEKS OR AFTER EVERY SUBSTANTIAL RAIN EVENT.
  - CONTRACTOR TO REMOVE AND DISPOSE OF COLLECTED SILT AT AN ACCEPTABLE OFF SITE LOCATION.
  - COLLECTED SEDIMENT TO BE REMOVED ROUTINELY TO ENSURE FUNCTIONALITY OF SILT BAG.
  - DEVICE SHALL BE MANUFACTURED FROM WOVEN POLYPROPYLENE GEOTEXTILE TO FIT THE OPENING OF A CATCH BASIN OR DROP INLET TO FILTER SEDIMENT FROM RUNOFF ENTERING THE INLET. DEVICE SHALL BE PROVIDED WITH AN INTEGRAL CURB DEFLECTOR IF INSTALLED AT A CATCH BASIN WITH A VERTICAL OPENING ADJACENT TO A HORIZONTAL GRATE.
  - THE DEVICE SHALL BE A HIGH FLOW "SILTSACK" AS MANUFACTURED BY ACF ENVIRONMENTAL, INC. OR APPROVED EQUAL.
  - INSTALL DEVICE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND INSTALL A CURB DEFLECTOR IF APPROPRIATE.
  - INSPECT DEVICE AFTER EACH RAIN EVENT AND AT INTERVALS NOT EXCEEDING TWO WEEKS DURING CONSTRUCTION. REMOVE, EMPTY, CLEAN, AND REPLACE THE DEVICE AS NEEDED DURING CONSTRUCTION. EMPTY COLLECTED SEDIMENT IN APPROVED PROTECTED LOCATION. REMOVE AND DISPOSE OF DEVICE FOLLOWING FULL AND PERMANENT STABILIZATION OF THE CONTRIBUTING DRAINAGE AREA.



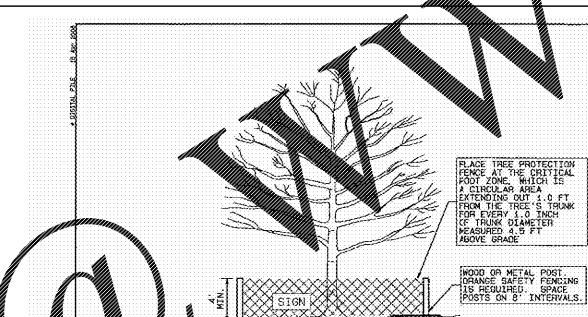
- NOTES:**
- PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET WITH THE ENDS OF ADJACENT BLOCKS ABUTTING. THE HEIGHT OF THE BLOCKS SHALL BE 12\".
  - WIRE MESH OR HARDWARE CLOTH SHALL SUPPORTED BY HOUSING AND BE PLACED OVER THE OUTSIDE VERTICAL FACE (WEBBING) OF THE BLOCKS TO PREVENT STONE FROM BEING WASHED THROUGH THE HOLES IN THE BLOCKS.
  - #57 WASHED STONE SHALL BE PLACED TO THE WIRE TO THE TOP OF THE BLOCKS.
  - PLACE 1x4\" BOARDS THROUGH THE HOLES AT CORNER BLOCKS.
- MAINTENANCE NOTES:**
- INSPECT THE BARRIERS WEEKLY AND AFTER EACH SIGNIFICANT RAIN AND MAKE REPAIRS AS NEEDED.
  - REMOVAL AS NECESSARY TO PROVIDE ADOPTED STORAGE VOLUME FOR SUBSEQUENT RAINS.
  - REPLACE WASHED STONE IF IT BECOMES CLOGGED WITH DEBRIS AND DOES NOT DRAIN EFFICIENTLY.
  - APPROPRIATELY MAINTAIN ALL BARE AREAS AROUND THE INLET.



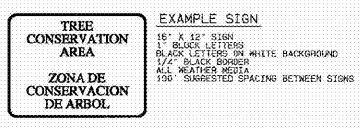
- CONSTRUCTION NOTES:**
- ENTRANCE(S) SHALL BE LOCATED TO PROVIDE MAXIMUM UTILITY BY ALL CONSTRUCTION.
  - TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS SHALL TO BE PROVIDED.
  - ENTRANCES MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY. CONTRACTOR SHALL MAINTAIN AS NECESSARY.
  - ANY MATERIAL WHICH STILL MARKS IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.
  - FREQUENT CHECKS OF THE ENTRANCE(S) AND TIMELY MAINTENANCE SHALL BE PROVIDED.
  - NOTES ARE APPLICABLE AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED.
- MAINTENANCE NOTES:**
- MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. MAY REQUIRE PERIODIC TOPDRESSING WITH 2\"/>
  - IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS.



- NOTES:**
- FILTRATION TUBES SHALL BE 5-IN. DIAMETER MANUFACTURED TUBES DESIGNED TO FILTER SEDIMENT FROM STORMWATER RUNOFF OVER PAVED SURFACES.
  - TUBES SHALL BE COMPOSED OF ORGANIC COMPOST/MULCH AND/OR MAN-MADE FIBEROUS MATERIAL ENCASED WITHIN CYLINDRICAL GEOTEXTILE SPOON TUBE. FILTRATION TUBES SHALL BE FILTERED FILTERS. OUTLETS TO CATCH BASIN OR APPROVED COLLECTION POINT.
  - JOINTS OF ADJOINING TUBES SHALL BE REINFORCED WITH SAND BAGS.
  - TUBES SHALL BE INSPECTED AFTER EACH RAINFALL EVENT. ADJUST LOCATION OF TUBES AS NEEDED TO MAINTAIN A CONTINUOUS BARRIER.
  - ALL SEDIMENT ACCUMULATED AGAINST TUBE SHALL BE COLLECTED AND DISPOSED TO RE-ESTABLISH SEDIMENT STORAGE VOLUME.
  - REPLACE FILTRATION TUBES WHEN THEY BECOME CLOGGED AND NO LONGER DRAIN OR FILTER EFFICIENTLY.
  - REMOVE ANY SEDIMENT OUTSIDE OF CONTAMINANT AREA WITH A MET BRUSH AND DISPOSE PROPERLY.



- NOTES:**
- PLANS FOR LOCATION OF ALL TREE PROTECTION FENCES.
  - ALL TREE PROTECTION DEVICES MUST BE INSTALLED PRIOR TO LAND DISTURBANCE, INCLUDING THE CUTTING OF ANY TREES, AND MUST BE INSPECTED BY THE URBAN FORESTER OR HIS DESIGNEE.
  - NO GRADING, TRENCHING, FILLING OR STORAGE OF MATERIALS IS TO OCCUR IN THE TREE PROTECTION AREA.
  - TREE PROTECTION FENCES MAY NOT BE REMOVED WITHOUT THE APPROVAL OF THE URBAN FORESTER OR HIS DESIGNEE.
  - THE TREE CONSERVATION AREA SHOULD BE DESIGNATED WITH "TREE CONSERVATION AREA" SIGNS POSTER VISIBLY ON THE OUTSIDE OF THE FENCE-IN AREA. SIGNS MAY NOT BE POSTED ON THE TREES. SEE EXAMPLE BELOW.



**CITY OF GREENSBORO**  
STANDARD TREE PROTECTION DETAIL  
STD. NO. 44B  
REV. 10-08, 10-13

- SEEDBED PREPARATION**
- CHISEL ALL CUT GRADED OR COMPACTED AREAS TO A MINIMUM DEPTH OF 8\".
  - DISP ALL AREAS TO RECEIVE GRASS TO A MINIMUM OF 8 INCHES. MIX AND AMEND WITH 3 INCHES OF WEL-SORTED TOPSOIL. ON-SITE TOPSOIL MAY BE USED IN PLACE OF IMPORTED TOPSOIL, IF WELL-SORTED AND DRY PRIOR TO APPLICATION IN ACCORDANCE WITH SPECIFICATION SECTION 320000.
  - REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
  - APPLY AGRICULTURAL LIME, FERTILIZER, AND PHOSPHATE UNIFORMLY AS PER SPECIFICATIONS AND MIX WELL WITH SOIL.
  - CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED TO A 6 INCHES DEPTH.
  - SET AT RATE SPECIFIED OR AS NEEDED TO ACHIEVE AND MAINTAIN A THICK HEALTHY GRASS COVER.
  - MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. BEGIN THOROUGH WATERING OF GRASSED AREAS IMMEDIATELY UPON INSTALLATION. DO NOT ALLOW GRASSED AREAS TO BECOME EXCESSIVELY DRY.
  - INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS NEEDED.
  - IF CONFLICTS OCCUR BETWEEN WRITTEN SPECIFICATIONS AND THE DRAWINGS, THE WRITTEN SPECIFICATIONS SHALL PREVAIL.

- LIME & FERTILIZATION SCHEDULE**
- APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY A MINIMUM 2 TONS/ACRE GROUND AGRICULTURAL LIME/AC (1 TON/ACRE IN CLAY SOILS) AND A MINIMUM 500 LB/ACRE 10-10-10 FERTILIZER, AS NEEDED TO ESTABLISH 85% COVERAGE (AS DETERMINED ON A PER SQUARE YARD BASIS) PRIOR TO SUBSTANTIAL COMPLETION. CONTRACTOR TO SUBMIT A COPY OF ALL SOIL REPORTS TO OWNER UPON RECEIPT.

- SURFACE STABILIZATION REQUIREMENTS**
- DURING ALL PHASES OF CONSTRUCTION, GROUND COVER ON EXPOSED SLOPES SHALL BE PROVIDED WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
  - FINAL PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
  - USE EROSION MATTING OR OTHER APPROVED CHANNEL LINING MATERIAL TO COVER THE BOTTOM OF CHANNELS.
  - APPLY 4000 LB/ACRE (2 TONS LB/AC) GRAIN STRAW OVER SEEDBED AREAS AND ANCHOR STRAW CHAINING WITH HAND OR MECHANICAL CHISPER 8\"/>
  - MULCH AND ANCHORING MATERIALS MUST NOT BE ALLOWED TO WASH DOWN SLOPES AND CLOG DRAINAGE DEVICES.

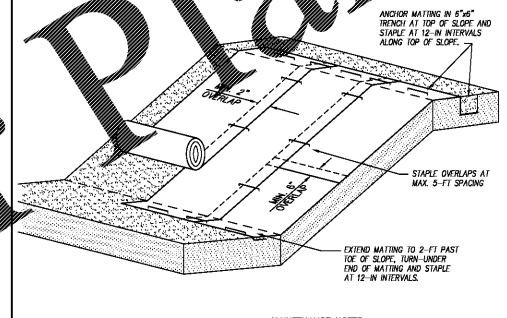
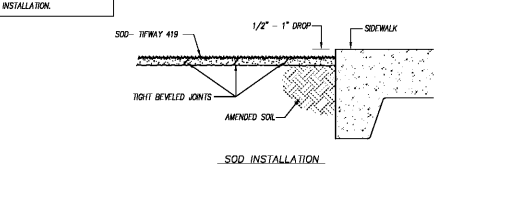
**PERMANENT SEEDING SCHEDULE- BERMUDA SEED**

DATE	TYPE	PLANTING RATE
APR 15 - JULY 15 **	HULLED SUNSTAR OR RIVERA BERMUDA	85 LBS/ACRE *
JULY 15 - AUG 15	SUNSTAR OR RIVERA BERMUDA SPRIGS	5 BUSHELS/1,000 SF
AUG 15 - APR 15	TEMPORARY SEEDING APPLIES**	

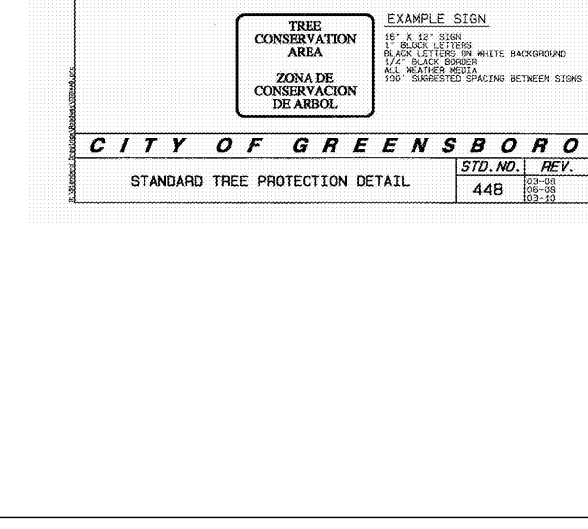
\* OR AS REQUIRED TO ACHIEVE 85% COVERAGE AS DETERMINED ON A PER SQUARE YARD BASIS PRIOR TO SUBSTANTIAL COMPLETION.

\*\* WHEN SEEDING MUST TAKE PLACE OUT-OF-SEASON FOR PERMANENT GRASS, APPROPRIATE TEMPORARY SEEDING SHALL BE DONE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMANENT SEEDING AS SPECIFIED IN SEASON AT NO ADDITIONAL COST TO OWNER.

- LAWN MAINTENANCE NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR LAWN MAINTENANCE UNTIL FINAL COMPLETION.
  - LAWN MUST BE AT 85% COVERAGE AT SUBSTANTIAL COMPLETION REVIEW TO BE ACCEPTED.
  - IF NOT AT 85% SUBSTANTIAL COMPLETION WILL BE DELAYED UNTIL THE FOLLOWING GROWING SEASON.



- NOTES:**
- SLOPE SURFACE SHALL BE SMOOTH PRIOR TO PLACEMENT OF MATTING TO ENSURE PROPER SOIL CONTACT.
  - LIME, FERTILIZER, AND SEED PRIOR TO PLACING MATTING. PLANT STRIPS, TREES, ETC. FOLLOWING PLACEMENT OF MATTING.
  - ON SLOPES FLATTER THAN 4:1, ROLLS MAY BE PLACED IN HORIZONTAL STRIPS.
  - DO NOT STRETCH MATTING TIGHT. ALLOW ROLLS TO CONFORM TO ANY IRREGULARITIES.
  - INSTALL STAPLES IN PATTERNS AS RECOMMENDED BY MATTING MANUFACTURER.
- MAINTENANCE NOTES:**
- INSPECT MATTING AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2-IN. OR GREATER) RAINFALL AND REPAIR IMMEDIATELY AS NEEDED.
  - ENSURE GOOD CONTACT WITH SOIL SURFACE IS MAINTAINED AND EROSION DOES NOT OCCUR BENEATH MATTING.
  - AREAS OF MATTING THAT ARE DAMAGED OR WHERE NOT IN CLOSE CONTACT WITH THE SOIL SHALL BE REPAIRED AND STAPLED.
  - IF EROSION OCCURS DUE TO POORLY CONTROLLED DAMAGE, THE PROBLEM SHALL BE FIXED AND THE ERODED AREAS PROTECTED.
  - MONITOR AND REPAIR MATTING AS NECESSARY UNTIL GROUND COVER IS ESTABLISHED.



SLOPE PROTECTION MATTING N.T.S.

**SEEDING & SOD INFORMATION**

**REMOVE ALL SOD NETTING PRIOR TO INSTALLATION.**

SOD - TYPICAL 419

1/2" - 1" DROP

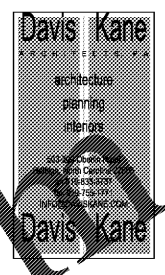
SOILWALK

TIGHT BEVELLED JOINTS

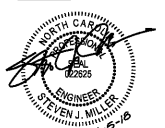
AMENDED SOIL

SOD INSTALLATION

Order Plans



PROJECT MANAGER  
Kevin M. Kane



DESIGN  
Guilford County Schools

CONTRACTOR  
Smith High School

CONTRACTOR  
Visitor Football Bleachers Replacement

GREENSBORO, NORTH CAROLINA

JOB NUMBER  
1424-A

REVISIONS	DATE

DATE PRINTED
1/5/2018

BID DOCUMENTS

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PLOT TIME: @PLOTTIME  
FILE NAME: @DWGNAME  
VIEW: DRAWN BY:

BUILDING AREA

SHEET
Site Details

C4.1