

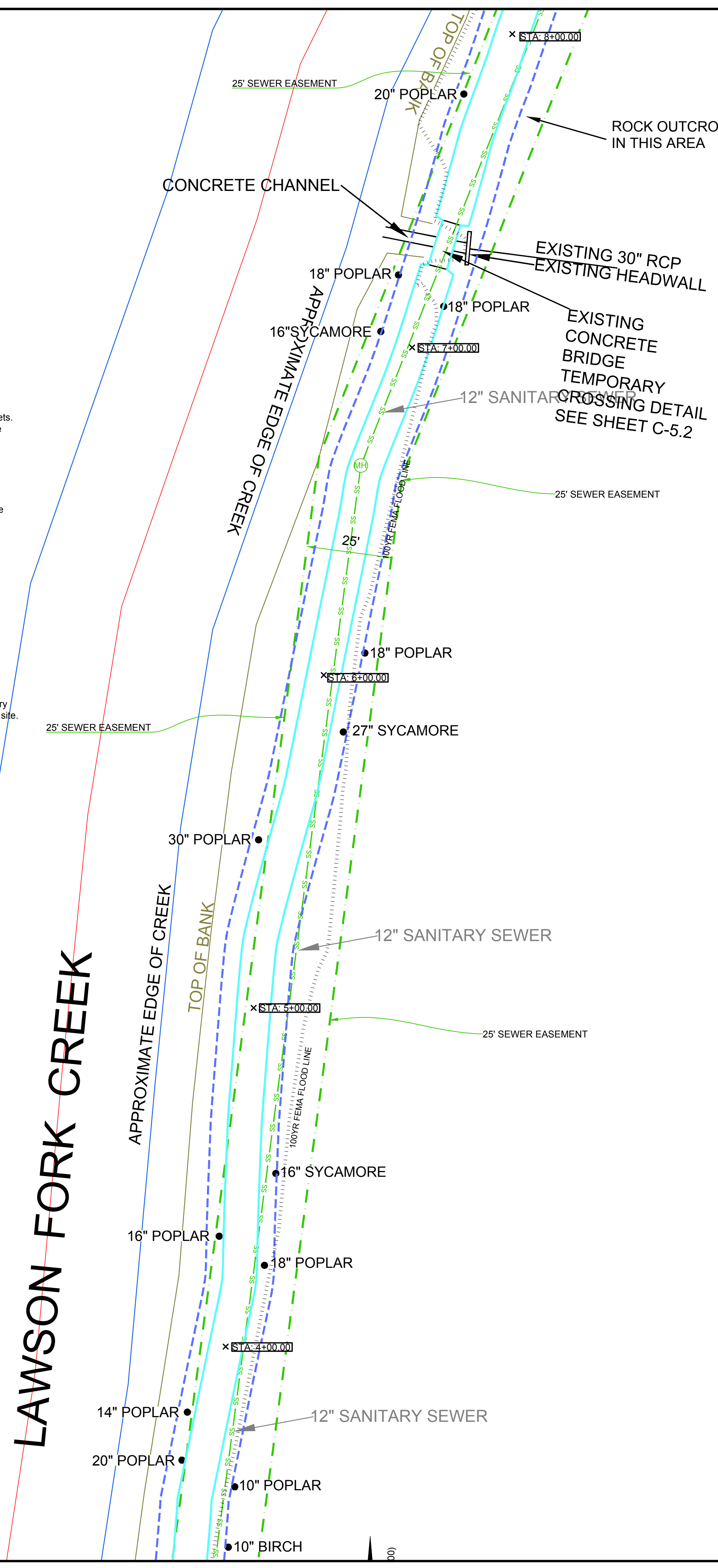
SCDHEC STANDARD NOTES:

- 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 every calendar 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. Fill, 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 sediment 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 SCR10000.
- 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-laden water to appropriate traps 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 in storm water discharges.
- A copy of the SWPPP, inspections records, 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 basin, filter bag, etc.).
- The following discharges from sites are prohibited:
 - Wastewater from washout of concrete, unless managed by an appropriate control;
 - Wastewater from washout and cleanup 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 has approved otherwise.

GRASSING SPECIFICATIONS

| TEMPORARY GRASS: | |
|---|--|
| JAN 1 - MAY 1 | RYE (GRAIN) 120 LB/ACRE ANNUAL LESPEDEZA 50 LB/ACRE MULCH (STRAW) 4000 LB/ ACRE AGRICULTURAL LIMESTONE 2000 LB/ ACRE FERTILIZER 10-10-10 500 LB/ACRE |
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| PERMANENT GRASS: | |
| FEBRUARY 1 - MARCH 31, AUGUST 20 - OCTOBER 25 | GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS. FERTILIZER SHALL BE COMMERCIAL TYPE 10-10-10. LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE, CONTAINING AT LEAST 34% MAGNESIUM CARBONATE. SEED SHALL BE BERGAMOTA, MINIMUM 90% PURITY AND 80% GERMINATION. AREAS TO BE GRASSED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLOUDS OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND DEBRIS REMOVED. FERTILIZER SHALL BE APPLIED AT A MINIMUM RATE OF 1000 LB/ACRE. LIME SHALL BE APPLIED AT A MINIMUM RATE OF 3000 LB/ACRES. 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 OF 150 LB/ACRE AND RAKED IN LIGHTLY. SEEDED AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) APPLIED AT 4000 LB/ACRE. AREAS SHALL BE SPRAYED WITH DILUTION TO SING SEED AND PREVENT EROSION, IMMEDIATELY AFTER SEEDING. |

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CONSTRUCTION SEQUENCE PHASE 1:

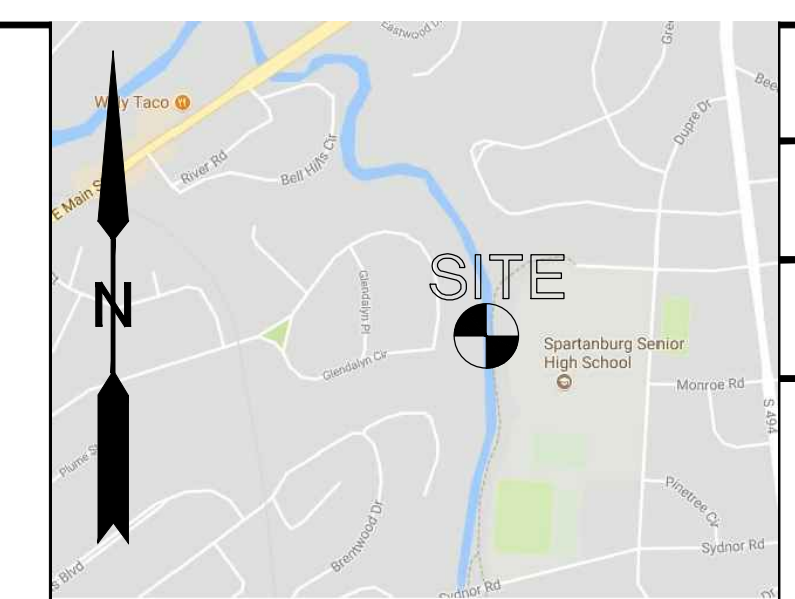
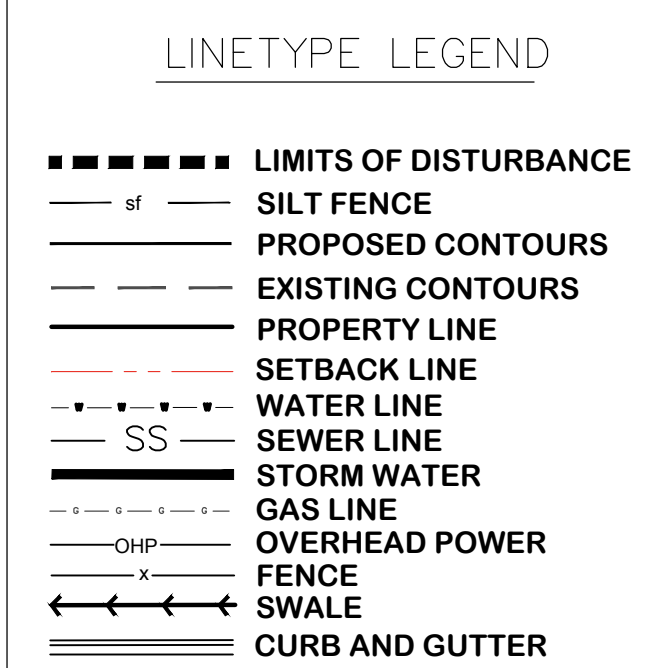
- A PRECONSTRUCTION MEETING MUST BE HELD WITH THE CITY OF SPARTANBURG STORMWATER MANAGER, JAY SQUIRES (864-596-2089) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- DETERMINE AND MARK LIMITS OF DISTURBANCE.
- PLACE CONSTRUCTION ENTRANCE.
- PLACE PERIMETER SILT FENCE.
- ROUGH GRADING, FINE GRADING, PAVING CONSTRUCTION, ETC.
- APPLY TEMPORARY OR PERMANENT GRASSING.
- AFTER COMPLETION OF CONSTRUCTION AND SITE IS FULLY STABILIZED, UPON APPROVAL BY CITY OF SPARTANBURG STORMWATER MANAGER JAY SQUIRES.
 - REMOVE ALL SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS SITE.
 - REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY PERMANENT GRASS.
- SUBMIT NOTICE OF TERMINATION TO CITY OF SPARTANBURG STORMWATER MANAGER.

EROSION CONTROL NOTES:

- 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 14 DAYS AFTER WORK HAS CEASED. UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
- ALL SEDIMENT AND EROSION CONTROL SHALL BE INSPECTED EVERY 7 DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS 1 INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED AS NECESSARY. INSPECTION SHOULD BE DOCUMENTED AND KEPT ON-SITE FOR REVIEW BY CITY OF SPARTANBURG OR SCDHEC.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER CONSTRUCTION HAS CEASED FOR THAT AREA. 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 OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR SHALL DAILY REMOVE SOIL AND SEDIMENT FROM PAVEMENT, AS MAY BE REQUIRED.
- 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 LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

NOTE:

- DELINEATION OF WATERS OF THE STATE MARKED BY LAWSON FORK CREEK BANK REPRESENTATION.



*****CAUTION*****

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TOLL FREE 1-800-922-0983

A ONE CALL SYSTEM FOR COMMUNITY AND JOB SAFETY.

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OWNERS:
 PATRICK PREDMORE
 DAVID HUTCHINSON
 JAKE JONES
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 SPARTANBURG COUNTY
 SCHOOL DISTRICT 7

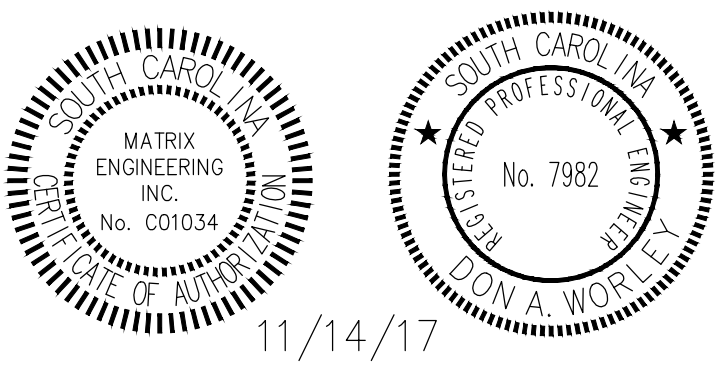
PROPERTY ADDRESS:
 SPARTANBURG, SC 29307

ENGINEER:
 MATRIX ENGINEERING, INC.
 912 SOUTH PINE STREET
 SPARTANBURG, SC 29302
 TEL: 864-583-6274

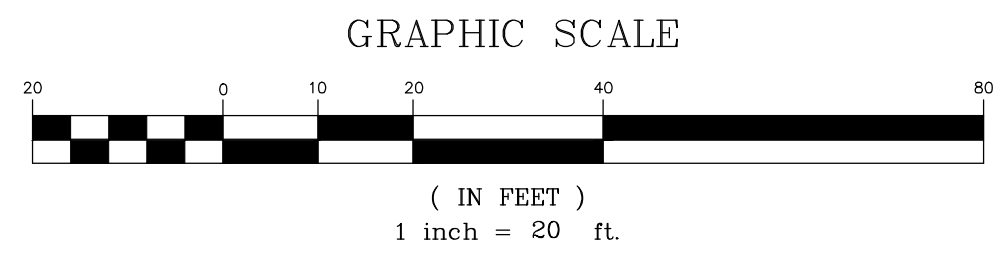
SURVEYOR:
 LAVENDER SMITH &
 ASSOCIATES INC
 2900 E MAIN ST
 SPARTANBURG, SC 29307
 (864)-579-0067

TAX MAP NO.:
 7-13-01-087.00
 7-13-01-088.00
 7-13-01-089.00
 7-13-01-090.00
 7-13-05-107.00
 7-13-05-108.00
 7-13-05-109.00

DISTURBED AREA:
 1.83 ACRE



11/14/17



| | | | |
|-----------------|------------|--------|-------|
| SCALE | AS NOTED | DWG NO | |
| DATE | 4/6/17 | REV | C-1.2 |
| FILE NAME | PROJECT NO | REV | |
| MASTER 2017-060 | 2017-060 | A | |

| | | |
|------------------------------|------------|-------------|
| ISSUED FOR PERMITTING REVIEW | DATE | DESCRIPTION |
| | 11-14-2017 | |

| | |
|--|-----------|
| CLIENT NAME (LOCATION & DESCRIPTION) | CLIENT NO |
| RIVER BIRCH TRAIL EXTENSION AT SYDNOR ROAD FOR PARTNER FOR ACTIVE LIVING SPARTANBURG, SOUTH CAROLINA | |

| | |
|--|----------------------|
| MATRIX ENGINEERING, INC. | 29302 |
| 912 SOUTH PINE ST. SPARTANBURG, SOUTH CAROLINA (864)583-6274 | dworley@matrixei.com |

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| SITE PLAN |
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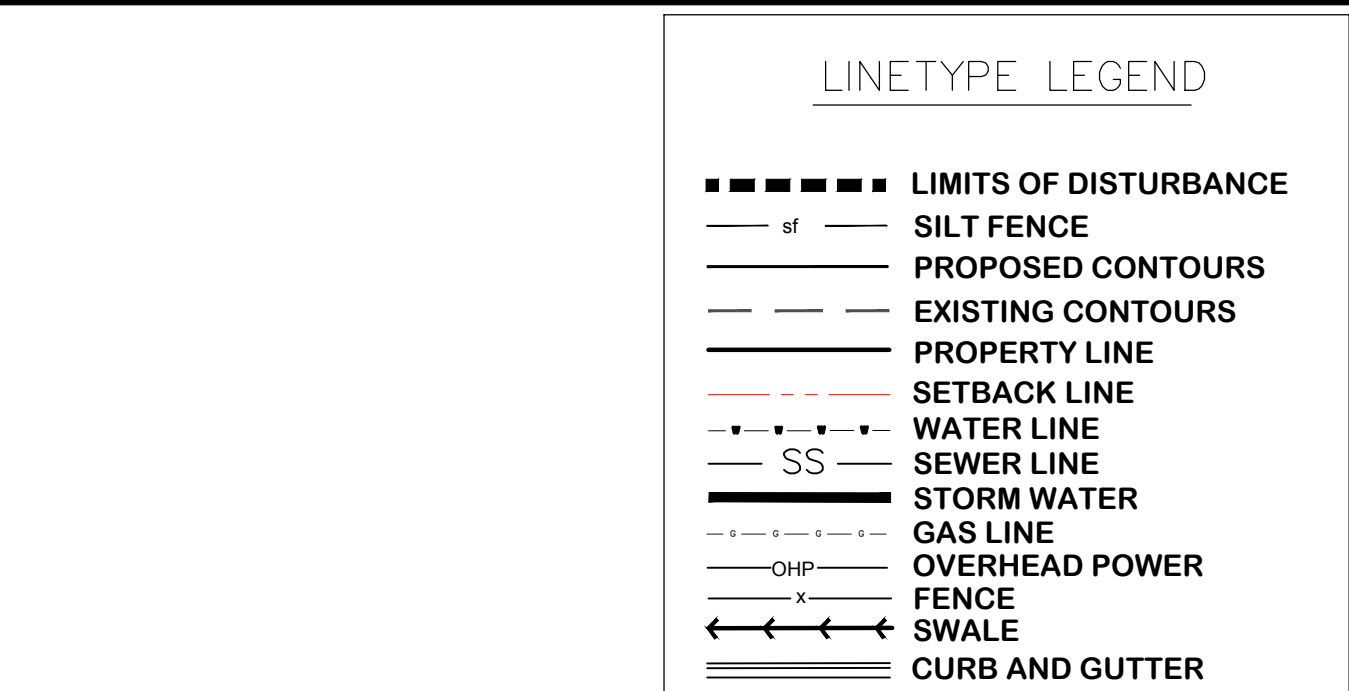
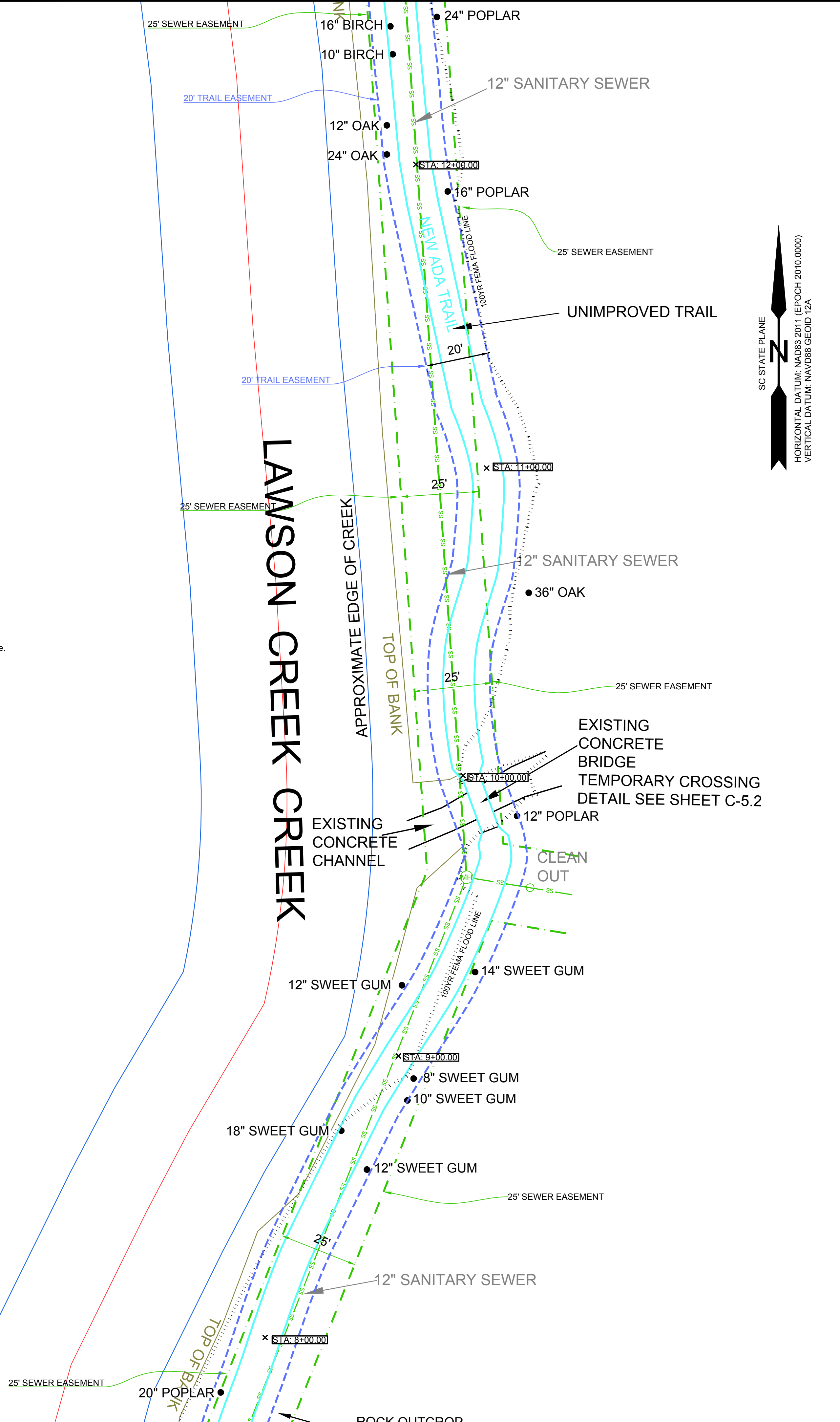
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 - PLACE CONSTRUCTION ENTRANCE.
 - PLACE PERIMETER SILT FENCE.
 - ROUGH GRADING/FINE GRADING, PAVING CONSTRUCTION, ETC.
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NOTE:
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*****CAUTION*****

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 SPARTANBURG COUNTY
 SCHOOL DISTRICT 7

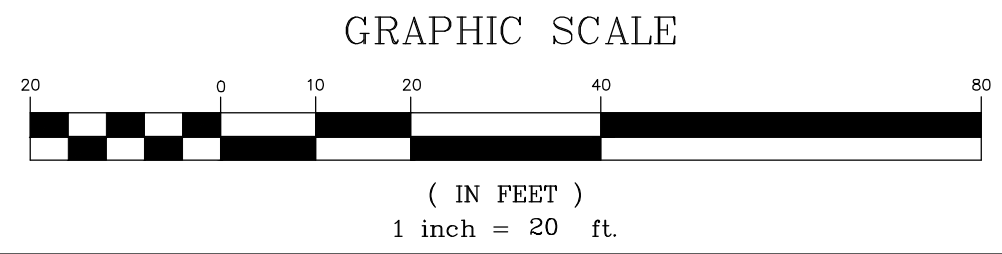
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DISTURBED AREA:
 1.83 ACRE



| | | | |
|-----------------|------------|--------|-------|
| SCALE | AS NOTED | DWG NO | |
| DATE | 4/6/17 | | C-1.3 |
| FILE NAME | PROJECT NO | REV | |
| MASTER 2017-060 | 2017-060 | A | |

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| ISSUED FOR PERMITTING REVIEW | DATE | DESCRIPTION |
| | 11-14-2017 | |

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| CLIENT NAME (LOCATION & DESCRIPTION) | CLIENT ADDRESS |
| RIVER BIRCH TRAIL EXTENSION AT SYDNOR ROAD FOR PARTNER FOR ACTIVE LIVING SPARTANBURG, SOUTH CAROLINA | 912 SOUTH PINE ST. SPARTANBURG, SOUTH CAROLINA (864)583-6274 |

| | |
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| MATRIX ENGINEERING, INC. | 912 SOUTH PINE ST. SPARTANBURG, SOUTH CAROLINA (864)583-6274 |
| 29302 | dworle@matrixei.com |

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| SITE PLAN |
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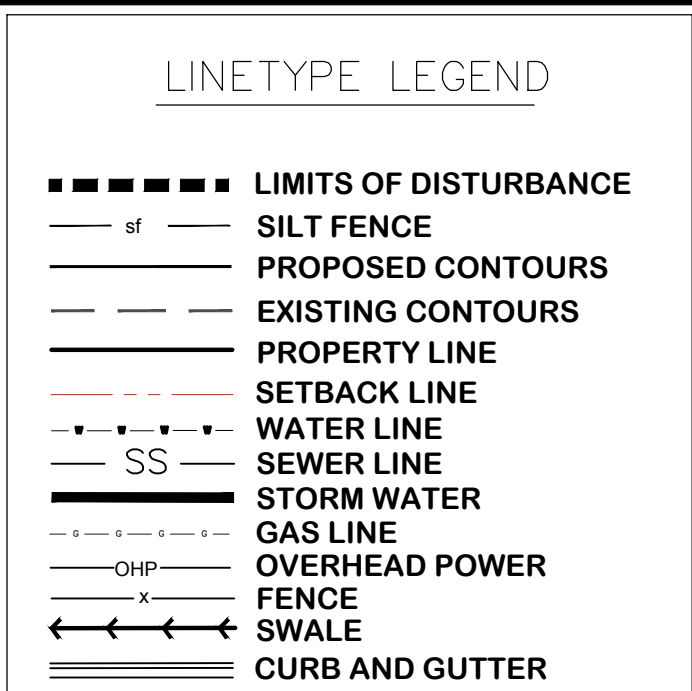
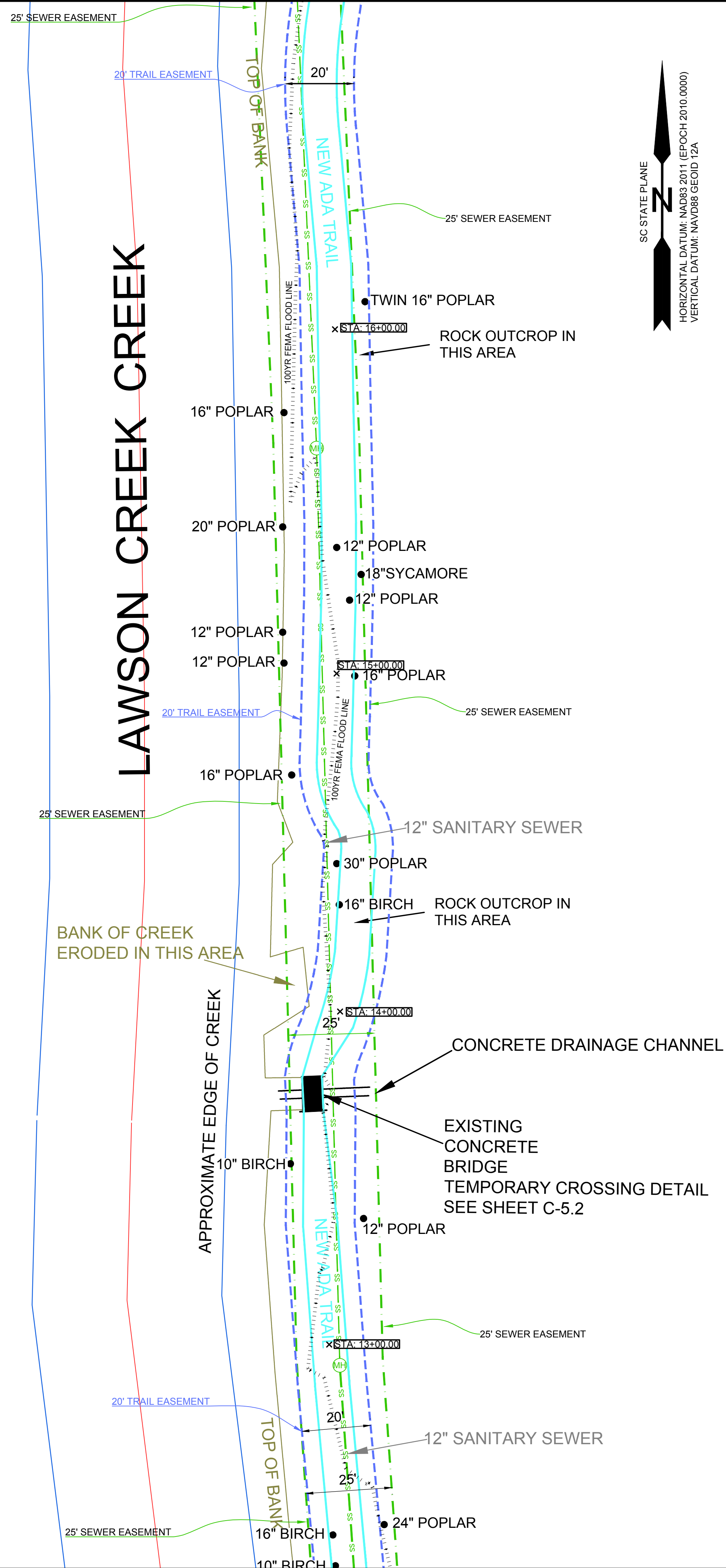
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- Provide silt fence and/or other control devices, as may be required, to control soil erosion during utility construction. All disturbed areas shall be cleaned, graded, and stabilized with grassing immediately after the utility installation. Fill, 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 sediment 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 SCR100000.
- 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-laden water to appropriate traps 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 in storm water discharges.
- A copy of the SWPPP, inspections records, 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 basin, filter bag, etc.).
- The following discharges from sites are prohibited:
 - Wastewater from washout of concrete, unless managed by an appropriate control;
 - Wastewater from washout and cleanup 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 has approved otherwise.

GRASSING SPECIFICATIONS

| TEMPORARY GRASS: | |
|---|--|
| JAN 1 - MAY 1 | RYE (GRAIN) 120 LB/ACRE ANNUAL LESPEDEZA 50 LB/ACRE MULCH (STRAW) 4000 LB/ACRE AGRICULTURAL LIMESTONE 2000 LB/ACRE FERTILIZER 10-10-10 500 LB/ACRE |
| MAY 1 - AUG 15 | GERMAN MILLET 40 LB/ACRE MULCH (STRAW) 4000 LB/ACRE AGRICULTURAL LIMESTONE 2000 LB/ACRE FERTILIZER 10-10-10 500 LB/ACRE |
| AUG 15 - DEC 30 | RYE (GRAIN) 120 LB/ACRE MULCH (STRAW) 4000 LB/ACRE AGRICULTURAL LIMESTONE 2000 LB/ACRE FERTILIZER 10-10-10 500 LB/ACRE |
| PERMANENT GRASS: | |
| FEBRUARY 1 - MARCH 31, AUGUST 20 - OCTOBER 25 | GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS. FERTILIZER SHALL BE COMMERCIAL TYPE 10-10-10. LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE, CONTAINING AT LEAST 34% MAGNESIUM CARBONATE. SEED SHALL BE BERGAMOTA, MINIMUM 90% PURITY AND 80% GERMINATION. AREAS TO BE GRASSED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLOUDS OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND DEBRIS REMOVED. FERTILIZER SHALL BE APPLIED AT A MINIMUM RATE OF 1000 LB/ACRE. LIME SHALL BE APPLIED AT A MINIMUM RATE OF 3000 LB/ACRES. 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 OF 150 LB/ACRE AND RAKED IN LIGHTLY. SEEDED AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) APPLIED AT 4000 LB/ACRE. AREAS SHALL BE SPRAYED WITH EMULSION TO BIND SEED AND PREVENT EROSION, IMMEDIATELY AFTER SEEDING. |

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*****CAUTION*****

PALMETTO UTILITY LOCATION SERVICE

3 DAYS BEFORE DIGGING CALL
TOLL FREE 1-800-922-0983

A ONE CALL SYSTEM FOR COMMUNITY AND JOB SAFETY.

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.

OWNERS:
 PATRICK PREDMORE
 DAVID HUTCHINSON
 JAKE JONES
 GARY PURINTON
 STEVEN WISE
 DAVID McPHERSON
 HAROLD JOYE JR.
 SPARTANBURG COUNTY
 SCHOOL DISTRICT 7

PROPERTY ADDRESS:
 SPARTANBURG, SC 29307

ENGINEER:
 MATRIX ENGINEERING, INC.
 912 SOUTH PINE STREET
 SPARTANBURG, SC 29302
 TEL: 864-583-6274

SURVEYOR:
 LAVENDER SMITH &
 ASSOCIATES INC
 2900 E MAIN ST
 SPARTANBURG, SC 29307
 (864)-579-0067

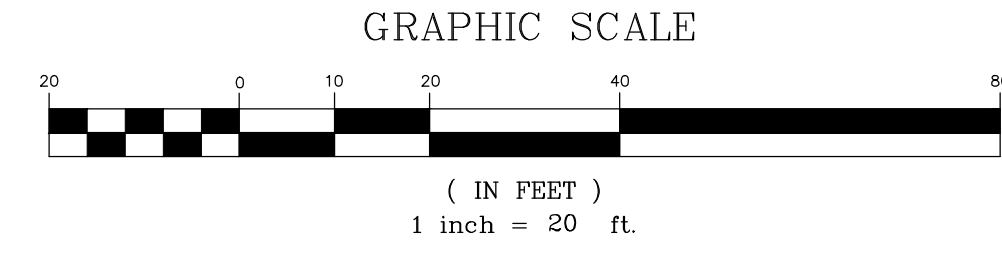
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 7-13-05-108.00
 7-13-05-109.00

DISTURBED AREA:
 1.83 ACRE

- CONSTRUCTION SEQUENCE PHASE 1:**
- A PRECONSTRUCTION MEETING MUST BE HELD WITH THE CITY OF SPARTANBURG STORMWATER MANAGER, JAY SQUIRES (864-596-2089) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 - DETERMINE AND MARK LIMITS OF DISTURBANCE.
 - PLACE CONSTRUCTION ENTRANCE.
 - PLACE PERIMETER SILT FENCE
 - ROUGH GRADING, FINE GRADING, PAVING CONSTRUCTION, ETC.
 - APPLY TEMPORARY OR PERMANENT GRASSING.
 - AFTER COMPLETION OF CONSTRUCTION AND SITE IS FULLY STABILIZED, UPON APPROVAL BY CITY OF SPARTANBURG STORMWATER MANAGER JAY SQUIRES.
 - A) REMOVE ALL SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS SITE.
 - B) REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY PERMANENT GRASS.
 - SUBMIT NOTICE OF TERMINATION TO CITY OF SPARTANBURG STORMWATER MANAGER.

- EROSION CONTROL NOTES:**
- 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 14 DAYS AFTER WORK HAS CEASED. UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
 - ALL SEDIMENT AND EROSION CONTROL SHALL BE INSPECTED EVERY 7 DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS 1/4 INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED AS NECESSARY. INSPECTION SHOULD BE DOCUMENTED AND KEPT ON SITE FOR REVIEW BY CITY OF SPARTANBURG OR SCDHEC.
 - PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER CONSTRUCTION HAS CEASED FOR THAT AREA.
 - 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 OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 - THE CONTRACTOR SHALL DAILY REMOVE SOIL AND SEDIMENT FROM PAVEMENT, AS MAY BE REQUIRED.
 - 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 LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

NOTE:
 1. DELINEATION OF WATERS OF THE STATE MARKED BY LAWSON FORK CREEK BANK REPRESENTATION.



11/14/17

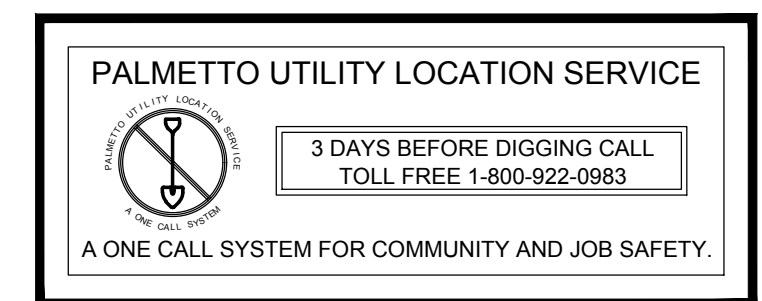
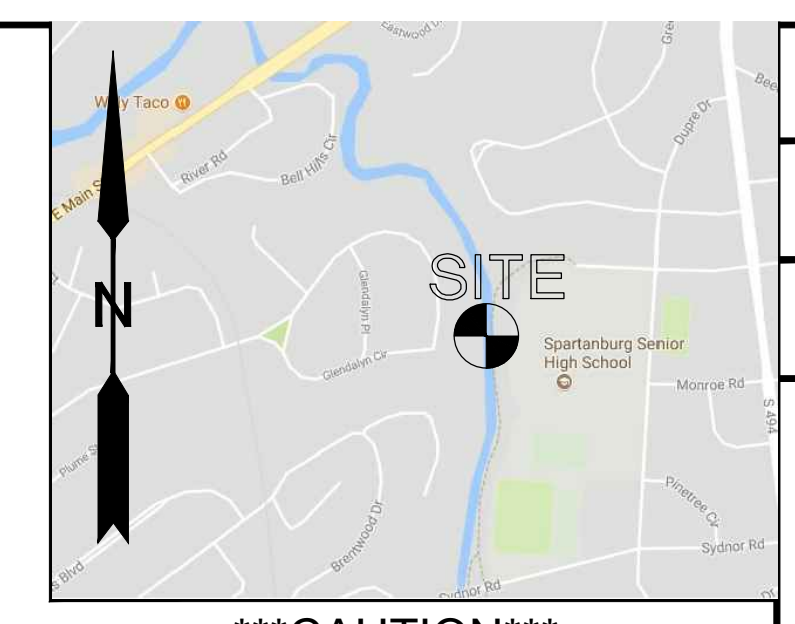
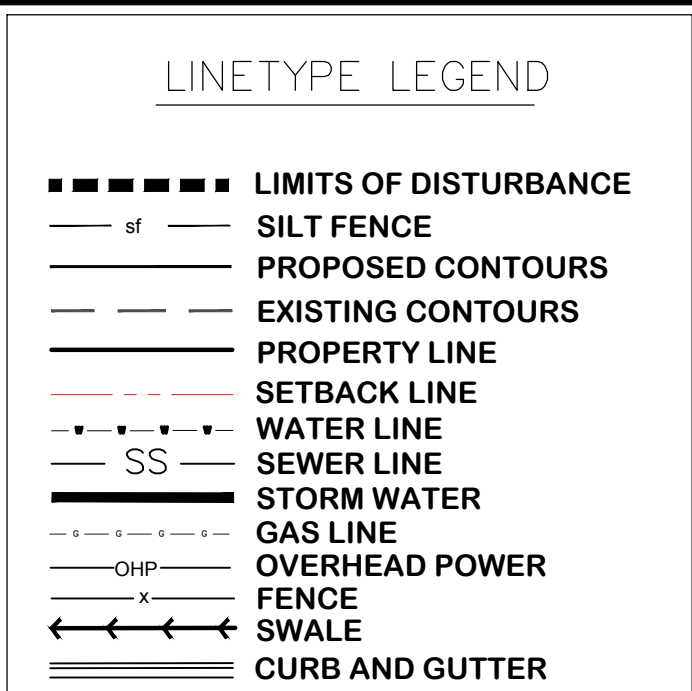
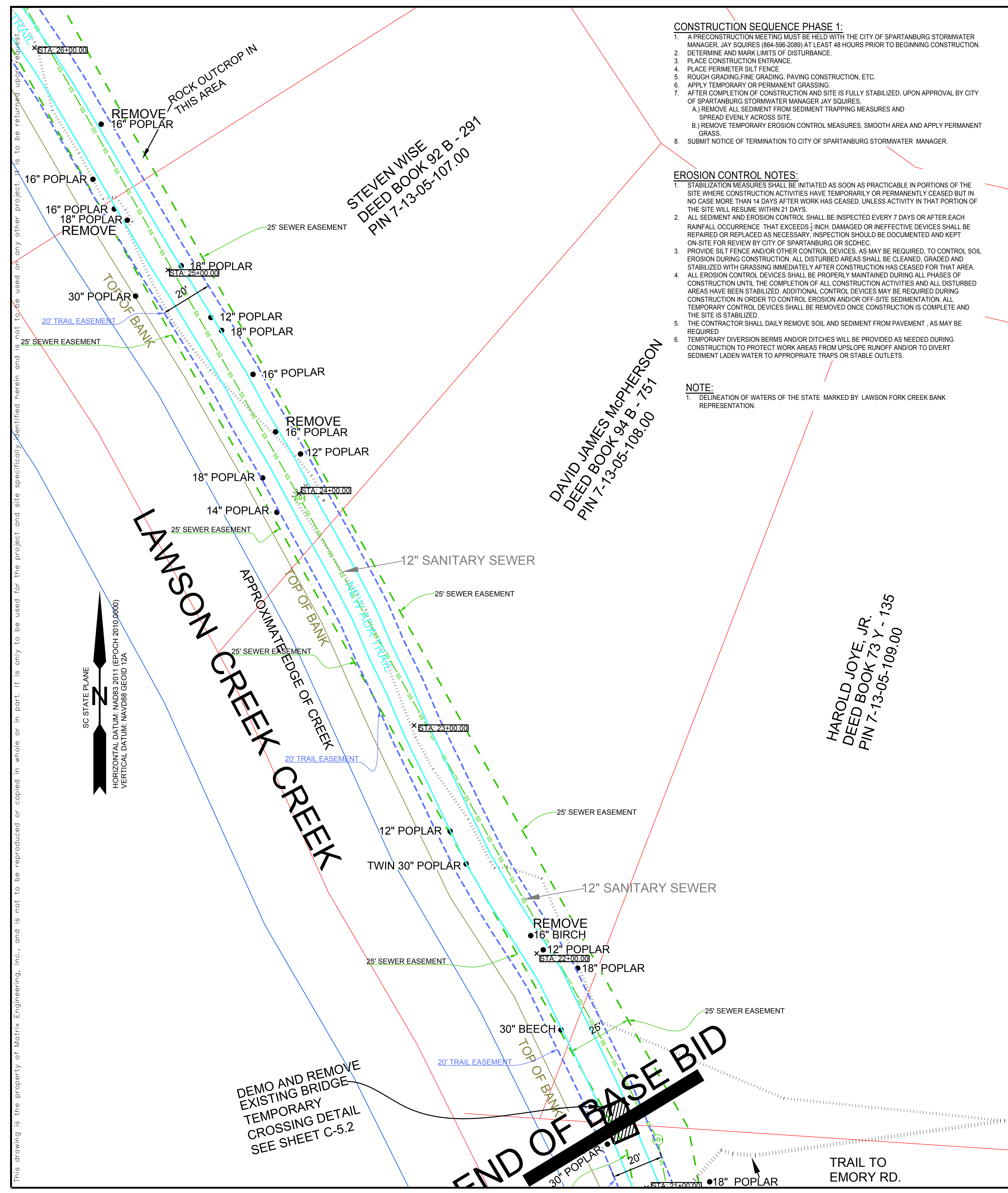
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| DATE | 4/6/17 | | C-1.4 |
| FILE NAME | PROJECT NO | REV | |
| MASTER 2017-060 | 2017-060 | A | |

| | | |
|------------------------------|------------|-------------|
| ISSUED FOR PERMITTING REVIEW | DATE | DESCRIPTION |
| A | 11-14-2017 | |

RIVER BIRCH TRAIL EXTENSION
 AT
 SYDNOR ROAD
 FOR
 PARTNER FOR ACTIVE LIVING
 SPARTANBURG, SOUTH CAROLINA

MATRIX ENGINEERING, INC.
 912 SOUTH PINE ST.
 SPARTANBURG, SOUTH CAROLINA
 (864)583-6274
 dwo/rye@matrixei.com

SITE PLAN



OWNERS:
 PATRICK PREDMORE
 DAVID HUTCHINSON
 JAKE JONES
 GARY PURINTON
 STEVEN WISE
 DAVID McPHERSON
 HAROLD JOYE JR.
 SPARTANBURG COUNTY
 SCHOOL DISTRICT 7

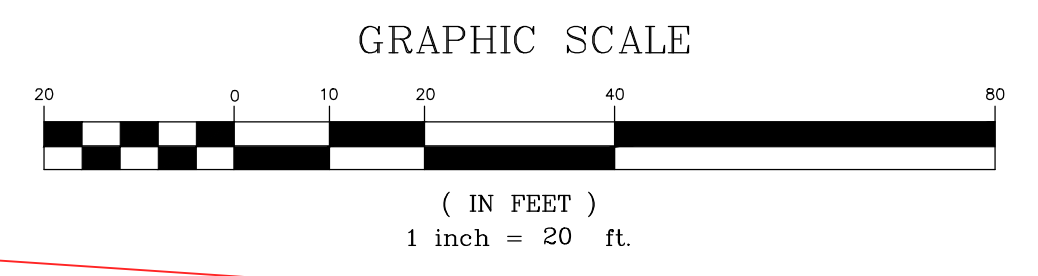
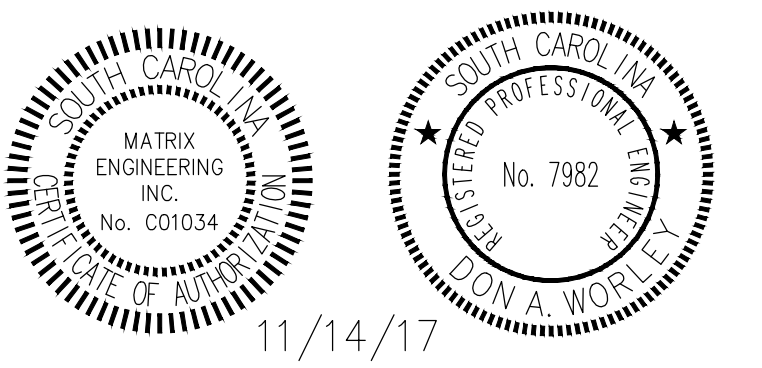
PROPERTY ADDRESS:
 SPARTANBURG, SC 29307

ENGINEER:
 MATRIX ENGINEERING, INC.
 912 SOUTH PINE STREET
 SPARTANBURG, SC 29302
 TEL: 864-583-6274

SURVEYOR:
 LAVENDER SMITH &
 ASSOCIATES INC
 2900 E MAIN ST
 SPARTANBURG, SC 29307
 (864)-579-0067

TAX MAP NO.:
 7-13-01-087.00
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 7-13-01-089.00
 7-13-01-090.00
 7-13-05-107.00
 7-13-05-108.00
 7-13-05-109.00

DISTURBED AREA:
 1.83 ACRE



| REV | DATE | DESCRIPTION |
|-----|------------|------------------------------|
| A | 11-14-2017 | ISSUED FOR PERMITTING REVIEW |

| | | | |
|-----------------|------------|--------|-------|
| SCALE | AS NOTED | DWG NO | |
| DATE | 4/6/17 | | C-1.6 |
| FILE NAME | PROJECT NO | REV | |
| MASTER 2017-060 | 2017-060 | A | |

MATRIX ENGINEERING, INC.
 912 SOUTH PINE ST.
 SPARTANBURG, SOUTH CAROLINA
 (864)583-6274
 dwoyle@matrixei.com

LAVENDER SMITH & ASSOCIATES, INC.
 2900 E MAIN ST
 SPARTANBURG, SC 29307
 (864)579-0067

SITE PLAN

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PIN 7-13-01-087.00

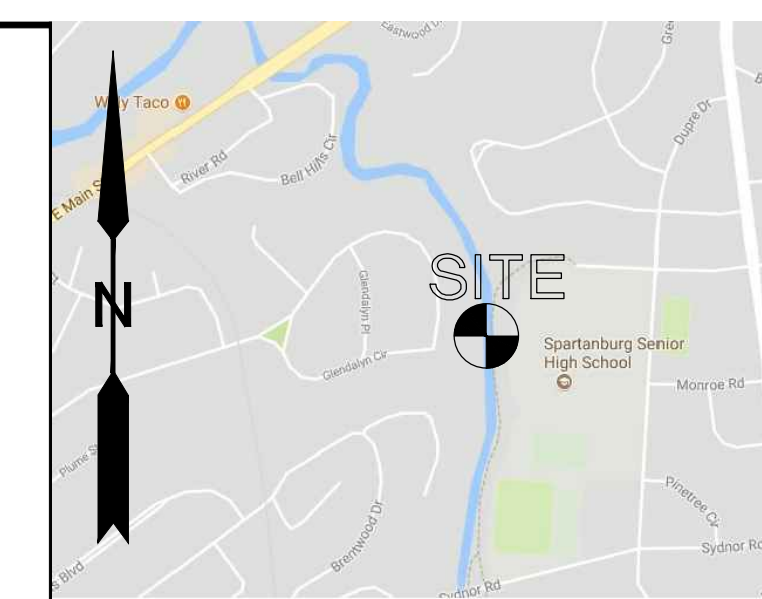
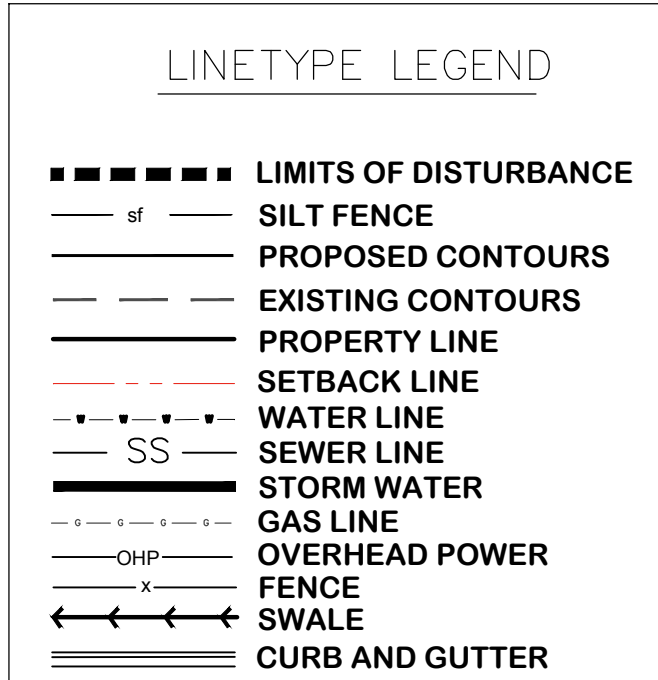
GRASSING SPECIFICATIONS

TEMPORARY GRASS:
JAN 1 - MAY 1
RYE (GRAIN) 120 LB/ACRE
ANNUAL LESPEDEZA 50 LB/ACRE
MULCH (STRAW) 4000 LB/ACRE
AGRICULTURAL LIMESTONE 2000 LB/ACRE
FERTILIZER 10-10-10 500 LB/ACRE
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GERMAN MILLET 40 LB/ACRE
MULCH (STRAW) 4000 LB/ACRE
AGRICULTURAL LIMESTONE 2000 LB/ACRE
FERTILIZER 10-10-10 500 LB/ACRE
AUG 15 - DEC 30
RYE (GRAIN) 120 LB/ACRE
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AGRICULTURAL LIMESTONE 2000 LB/ACRE
FERTILIZER 10-10-10 500 LB/ACRE

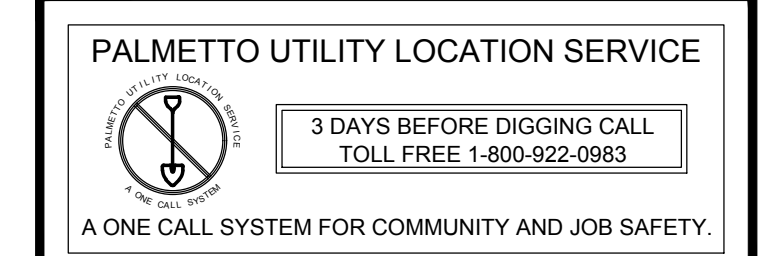
PERMANENT GRASS:
FEBRUARY 1 - MARCH 31, AUGUST 20 - OCTOBER 25
GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS.
FERTILIZER SHALL BE COMMERCIAL TYPE 10-10-10.
LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE.
CONTAINING AT LEAST 34% MAGNESIUM CARBONATE. SEED SHALL BE BERGUDA-MIRGOLA 90% PURITY AND 90% GERMINATION. AREAS TO BE GRASSED SHALL BE SCARIFIED TO A DEPTH OF 3 INCHES, WITH ALL CLODS OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND DEBRIS REMOVED. FERTILIZER SHALL BE APPLIED AT A MINIMUM RATE OF 1000 LB/ACRE. LIME SHALL BE APPLIED AT A MINIMUM RATE OF 3000 LB/ACRES. 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 OF 130 LB/ACRE AND RAKED IN LIGHTLY. SEEDED AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) APPLIED AT 4000 LB/ACRE. AREAS SHALL BE SPRAYED WITH EMULSION TO BIND SEED AND PREVENT EROSION, IMMEDIATELY AFTER SEEDING.

CONSTRUCTION SEQUENCE PHASE 1:

- 1. A PRECONSTRUCTION MEETING MUST BE HELD WITH THE CITY OF SPARTANBURG STORMWATER MANAGER, JAY SQUIRES (864-596-2089) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
2. DETERMINE AND MARK LIMITS OF DISTURBANCE.
3. PLACE PERIMETER SILT FENCE.
4. PLACE CONSTRUCTION ENTRANCE.
5. ROUGH GRADING, FINE GRADING, PAVING CONSTRUCTION, ETC.
6. APPLY TEMPORARY OR PERMANENT GRASSING.
7. AFTER COMPLETION OF CONSTRUCTION AND SITE IS FULLY STABILIZED, UPON APPROVAL BY CITY OF SPARTANBURG STORMWATER MANAGER JAY SQUIRES.
A) REMOVE ALL SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS SITE.
B) REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY PERMANENT GRASS.
8. SUBMIT NOTICE OF TERMINATION TO CITY OF SPARTANBURG STORMWATER MANAGER.



CAUTION



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SPARTANBURG COUNTY
SCHOOL DISTRICT 7

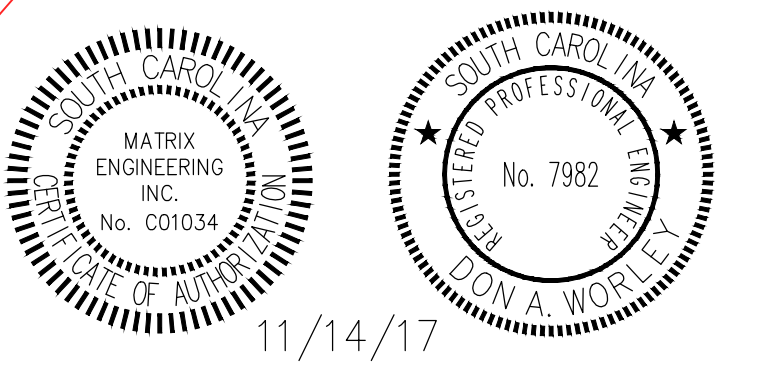
PROPERTY ADDRESS:
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ENGINEER:
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912 SOUTH PINE STREET
SPARTANBURG, SC 29302
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TAX MAP NO.:
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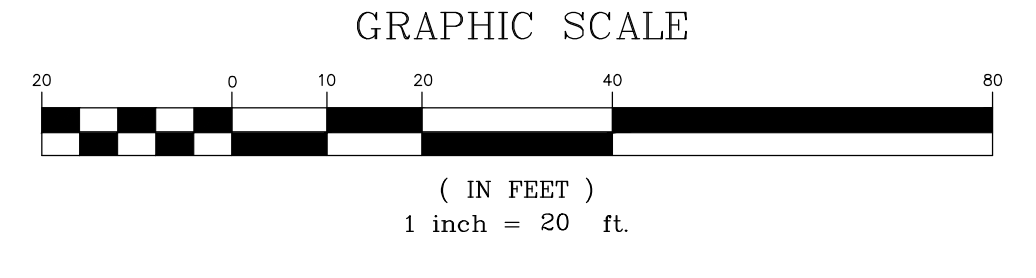
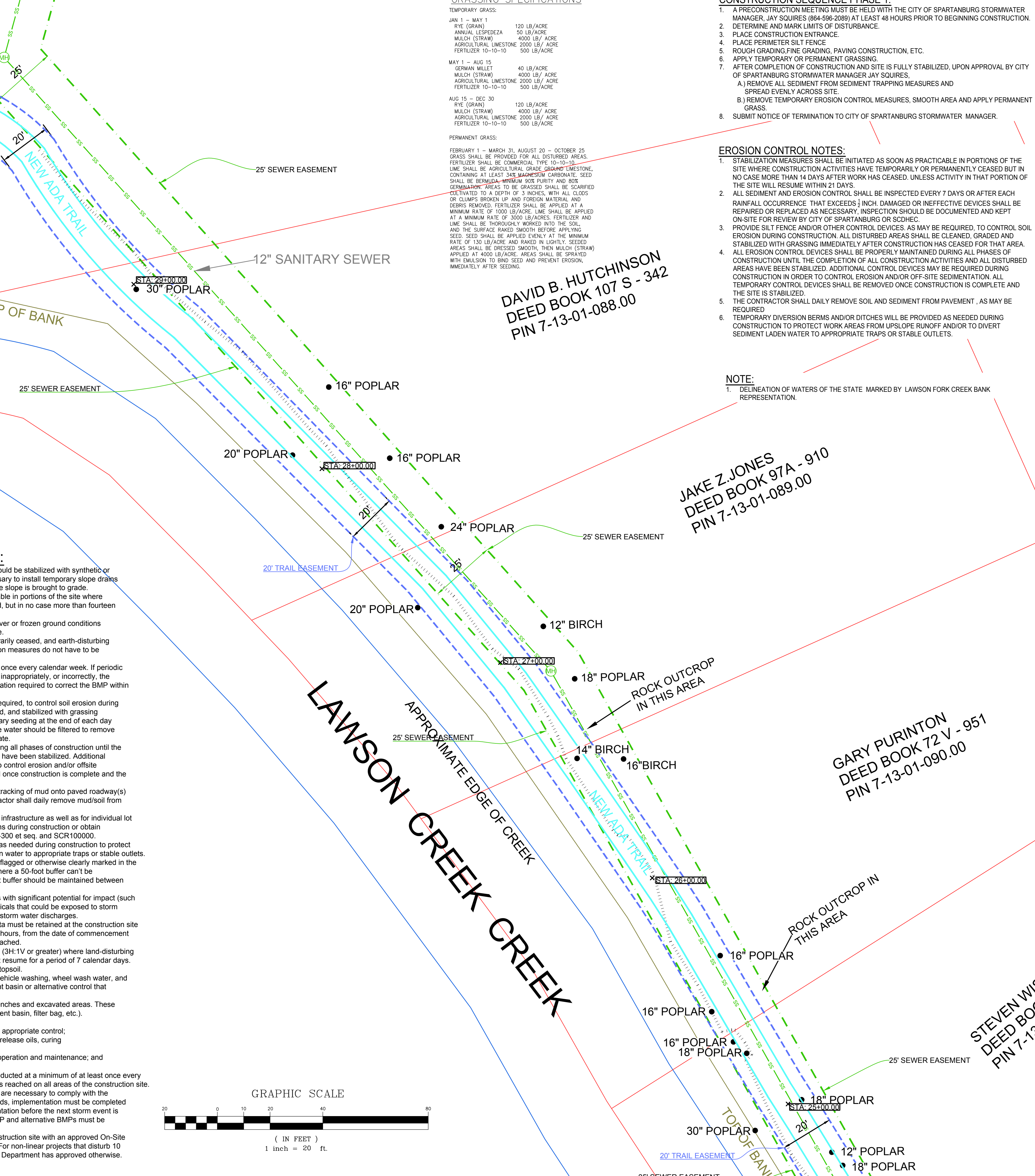
DISTURBED AREA:
1.83 ACRE



SCALE AS NOTED
DATE 4/6/17
FILE NAME MASTER 2017-060
PROJECT NO 2017-060

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END OF ALTERNATE BID



DAVID B. HUTCHINSON
DEED BOOK 107 S - 342
PIN 7-13-01-088.00

JAKE Z. JONES
DEED BOOK 97A - 910
PIN 7-13-01-089.00

GARY PURINTON
DEED BOOK 72 V - 951
PIN 7-13-01-090.00

STEVEN WISE
DEED BOOK 92 B - 291
PIN 7-13-05-107.00

SCDHEC STANDARD NOTES:

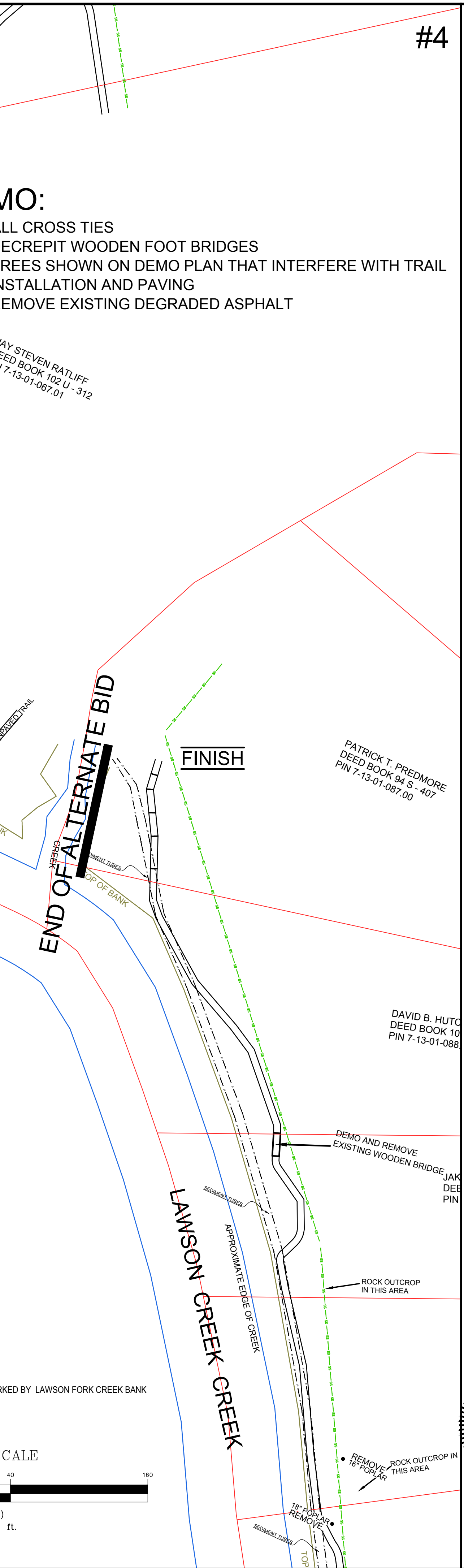
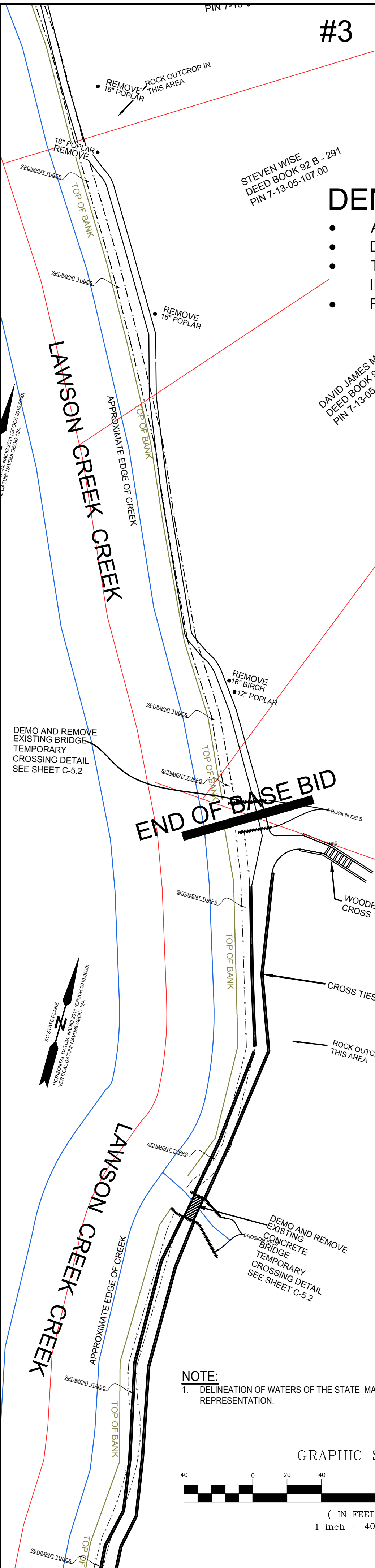
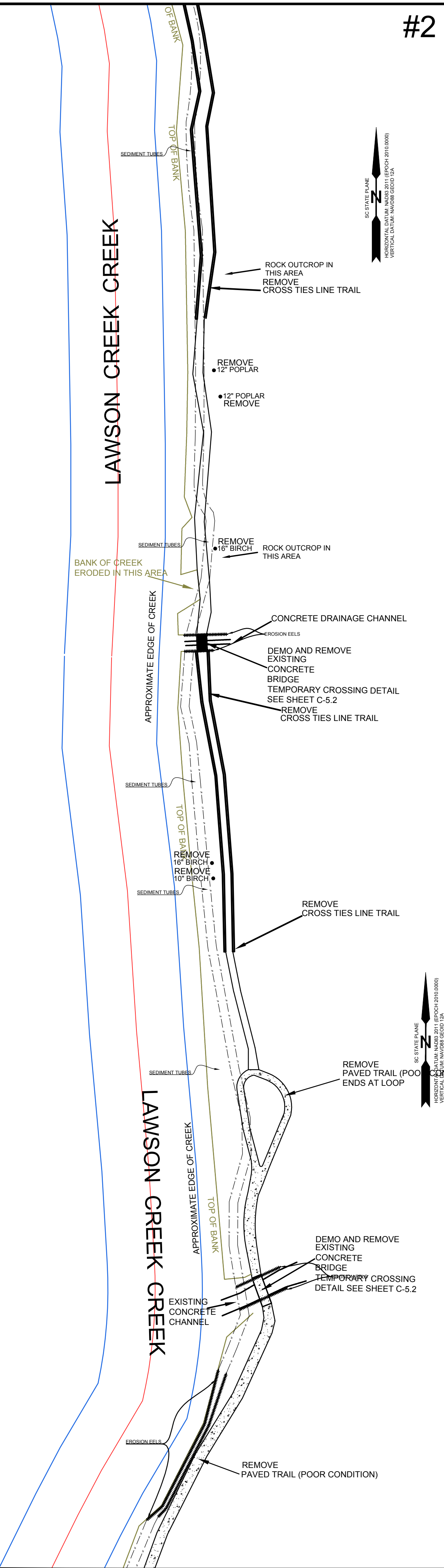
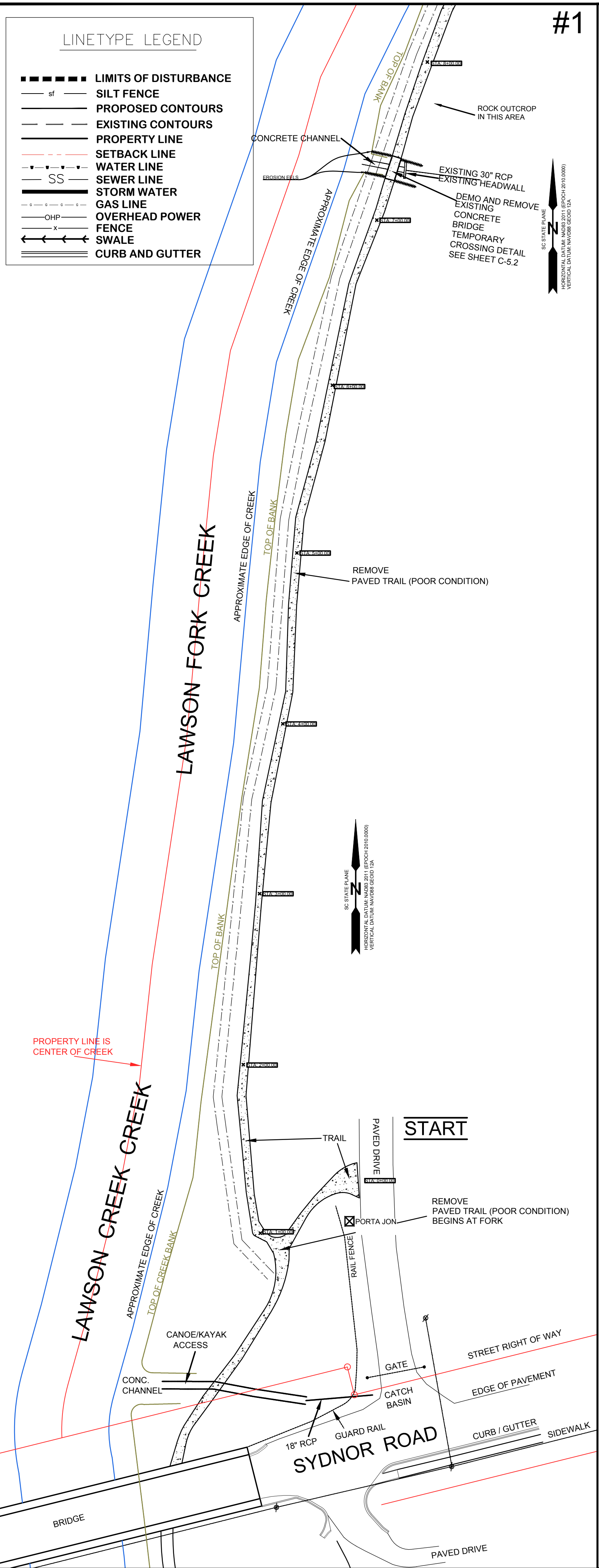
- 1. If necessary, slopes which exceed eight (8) vertical feet should be stabilized with synthetic or vegetative mats, in addition to hydroseeding. It may be necessary to install temporary slope drains during construction. Temporary berms may be needed until the slope is brought to grade.
2. Stabilization 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.
3. All sediment and erosion control devices shall be inspected every calendar 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.
4. 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. Fill, 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 sediment before being pumped back into any waters of the State.
5. 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.
6. 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.
7. 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 SCR100000.
8. 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-laden water to appropriate traps or stable outlets.
9. 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.
10. 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 in storm water discharges.
11. A copy of the SWPPP, inspections records, 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.
12. 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.
13. Minimize soil compaction and, unless infeasible, preserve topsoil.
14. 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.
15. Minimize the discharge of pollutants from dewatering of trenches and excavated areas. These discharges are to be routed through appropriate BMPs (sediment basin, filter bag, etc.).
16. The following discharges from sites are prohibited:
Wastewater 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.
17. 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.
18. 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.
19. 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 has approved otherwise.

Table with columns: SCALE, DATE, FILE NAME, PROJECT NO, DWG NO, APP, DW, DW, US, DWN, DATE, REV, DESCRIPTION. Includes title block information for Matrix Engineering, Inc. and project details.

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LINETYPE LEGEND

| | |
|--------------------|-----------------------|
| --- (thick dashed) | LIMITS OF DISTURBANCE |
| - - - - - (dashed) | SILT FENCE |
| - - - - - (dashed) | PROPOSED CONTOURS |
| - - - - - (dashed) | EXISTING CONTOURS |
| - - - - - (dashed) | PROPERTY LINE |
| - - - - - (dashed) | SETBACK LINE |
| - - - - - (dashed) | WATER LINE |
| - - - - - (dashed) | SEWER LINE |
| - - - - - (dashed) | STORM WATER |
| - - - - - (dashed) | GAS LINE |
| - - - - - (dashed) | OVERHEAD POWER |
| - - - - - (dashed) | FENCE |
| - - - - - (dashed) | SWALE |
| - - - - - (dashed) | CURB AND GUTTER |

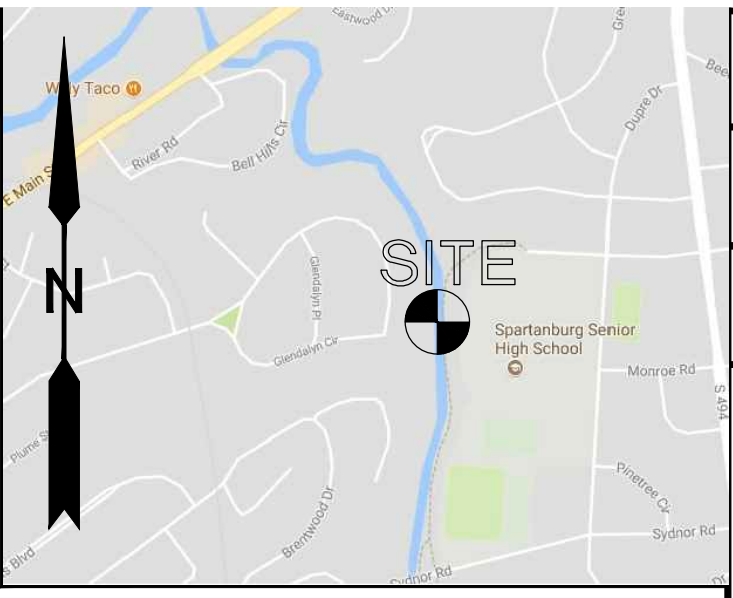
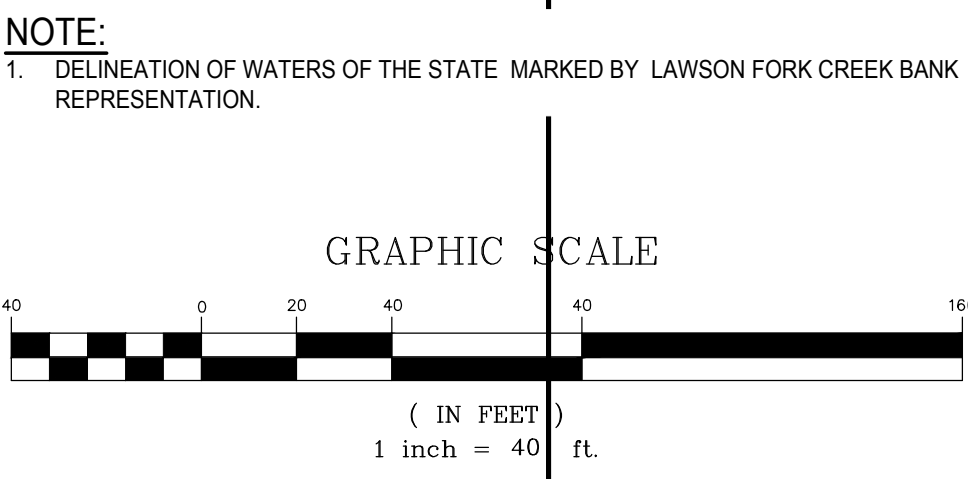


- DEMO:**
- ALL CROSS TIES
 - DECREPIT WOODEN FOOT BRIDGES
 - TREES SHOWN ON DEMO PLAN THAT INTERFERE WITH TRAIL INSTALLATION AND PAVING
 - REMOVE EXISTING DEGRADED ASPHALT

END OF BASE BID

END OF ALTERNATE BID

FINISH



*****CAUTION*****

PALMETTO UTILITY LOCATION SERVICE

3 DAYS BEFORE DIGGING CALL
TOLL FREE 1-800-922-0983

A ONE CALL SYSTEM FOR COMMUNITY AND JOB SAFETY.

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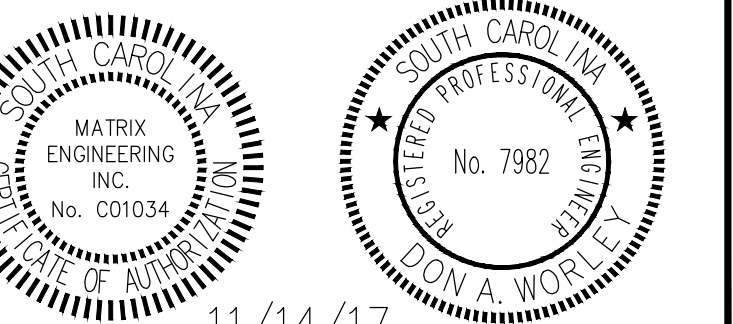
PROPERTY ADDRESS:
 SPARTANBURG, SC 29307

ENGINEER:
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 912 SOUTH PINE STREET
 SPARTANBURG, SC 29302
 TEL: 864-583-6274

SURVEYOR:
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 7-13-05-107.00
 7-13-05-108.00
 7-13-05-109.00

DISTURBED AREA:
 1.83 ACRE



11/14/17

Don A. Wiley

| | | | | |
|---|------------|--|------|-------------|
| RIVER BIRCH TRAIL EXTENSION AT SYDNOR ROAD FOR PARTNER FOR ACTIVE LIVING SPARTANBURG, SOUTH CAROLINA | | ISSUED FOR PERMITTING REVIEW | DATE | DESCRIPTION |
| A | 11-14-2017 | | | |
| REV | | | | |
| <p>MATRIX ENGINEERING, INC. 912 SOUTH PINE ST. SPARTANBURG, SOUTH CAROLINA (864) 583-6274 dww@matrixei.com</p> | | <p>CLIENT NAME, LOCATION & DESCRIPTION</p> <p>DEVELOPMENT PLAN</p> | | |
| SCALE | AS NOTED | DWG NO. | C-2 | |
| DATE | 4/6/17 | | | |
| FILE NAME | PROJECT NO | REV | | |
| MASTER 2017-060 | 2017-060 | A | | |

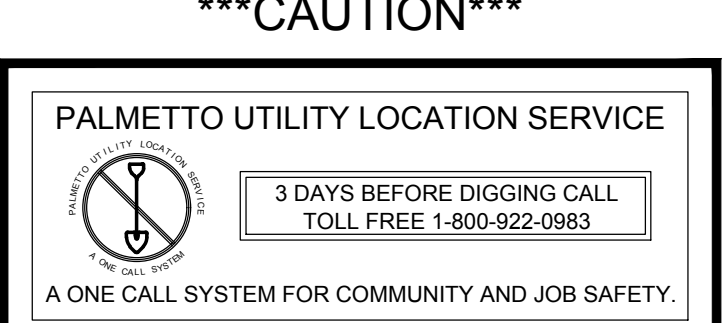
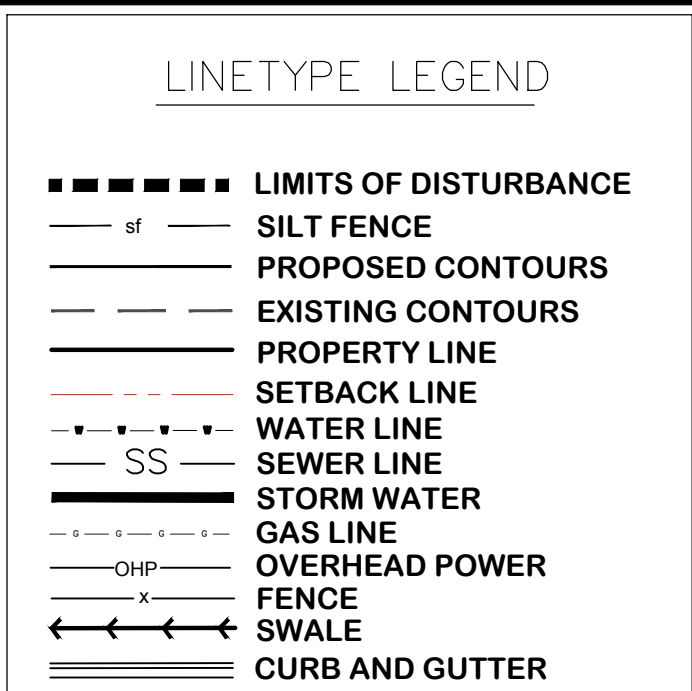
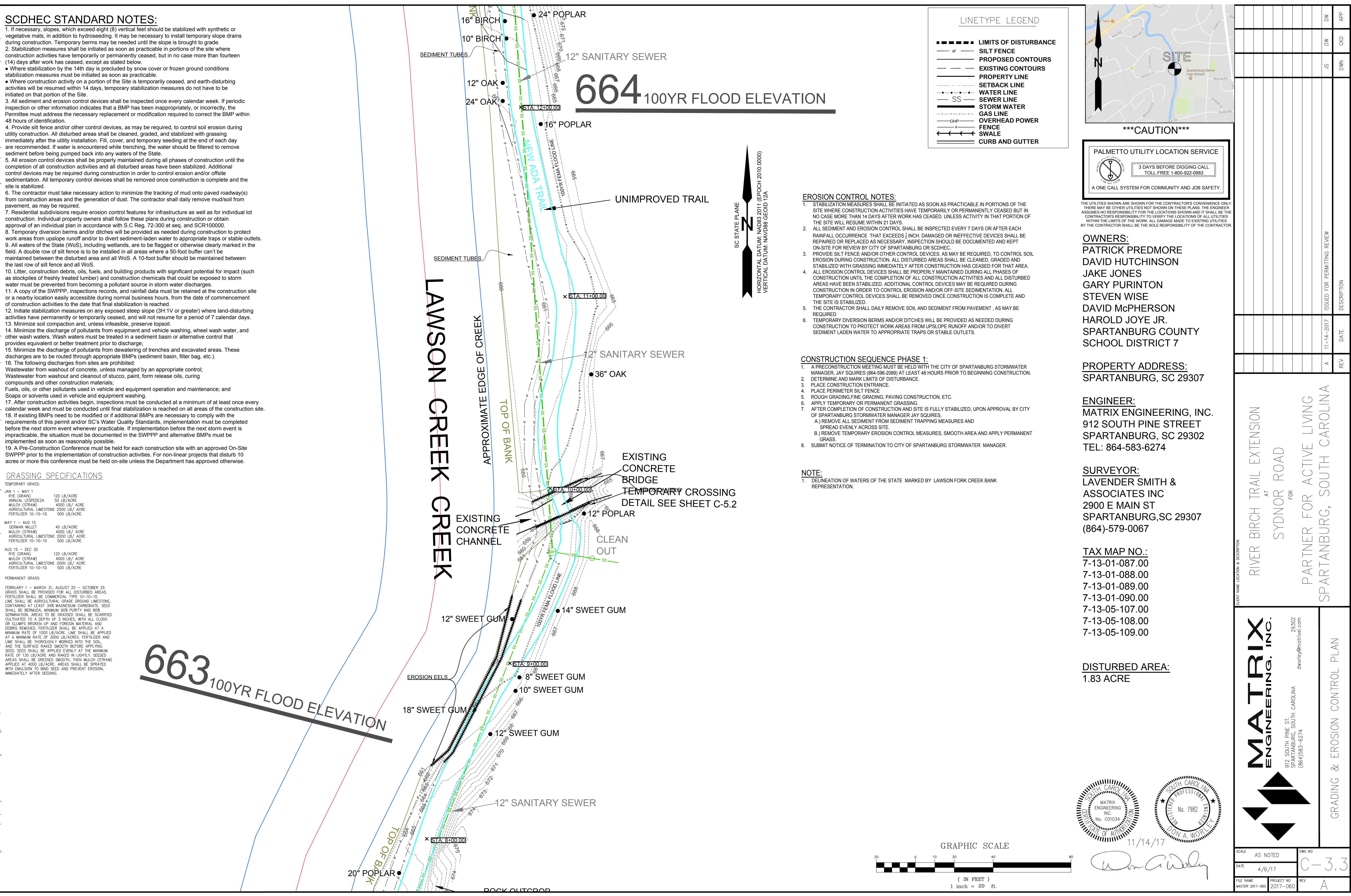
SCDHEC STANDARD NOTES:

- If necessary, slopes, which exceed eight (8) vertical feet should be stabilized with synthetic or vegetative mats, in addition to hydrosediment. 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 every calendar 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. Fill, 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 sediment 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 SCR100000.
- 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-laden water to appropriate traps 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 in storm water discharges.
- A copy of the SWPPP, inspections records, 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 basin, filter bag, etc.).
- The following discharges from sites are prohibited:
 - Wastewater from washout of concrete, unless managed by an appropriate control;
 - Wastewater from washout and cleanup 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 has approved otherwise.

GRASSING SPECIFICATIONS

| TEMPORARY GRASS: | |
|---|--------------|
| JAN 1 - MAY 1 | 120 LB/ACRE |
| RYE (GRAIN) | 50 LB/ACRE |
| ANNUAL LESPEDEZA | 4000 LB/ACRE |
| MULCH (STRAW) | 2000 LB/ACRE |
| AGRICULTURAL LIMESTONE | 500 LB/ACRE |
| FERTILIZER 10-10-10 | 500 LB/ACRE |
| MAY 1 - AUG 15 | |
| GERMAN MILLET | 40 LB/ACRE |
| MULCH (STRAW) | 4000 LB/ACRE |
| AGRICULTURAL LIMESTONE | 2000 LB/ACRE |
| FERTILIZER 10-10-10 | 500 LB/ACRE |
| AUG 15 - DEC 30 | |
| RYE (GRAIN) | 120 LB/ACRE |
| MULCH (STRAW) | 4000 LB/ACRE |
| AGRICULTURAL LIMESTONE | 2000 LB/ACRE |
| FERTILIZER 10-10-10 | 500 LB/ACRE |
| PERMANENT GRASS: | |
| FEBRUARY 1 - MARCH 31, AUGUST 20 - OCTOBER 25 | |
| GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS. | |
| FERTILIZER SHALL BE COMMERCIAL TYPE 10-10-10. | |
| LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE, | |
| CONTAINING AT LEAST 34% MAGNESIUM CARBONATE. SEED | |
| SHALL BE GERMANIA. MINIMUM 90% PURITY AND 80% | |
| GERMINATION. AREAS TO BE GRASSED SHALL BE SCARIFIED | |
| CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLOUDS | |
| OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND | |
| DEBRIS REMOVED. FERTILIZER SHALL BE APPLIED AT A | |
| MINIMUM RATE OF 1000 LB/ACRE. LIME SHALL BE APPLIED | |
| AT A MINIMUM RATE OF 3000 LB/ACRES. 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 OF 150 LB/ACRE AND RAKED IN LIGHTLY. SEEDED | |
| AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) | |
| APPLIED AT 4000 LB/ACRE. AREAS SHALL BE SPRAYED | |
| WITH EMULSION TO BIND SEED AND PREVENT EROSION, | |
| IMMEDIATELY AFTER SEEDING. | |

663 100YR FLOOD ELEVATION



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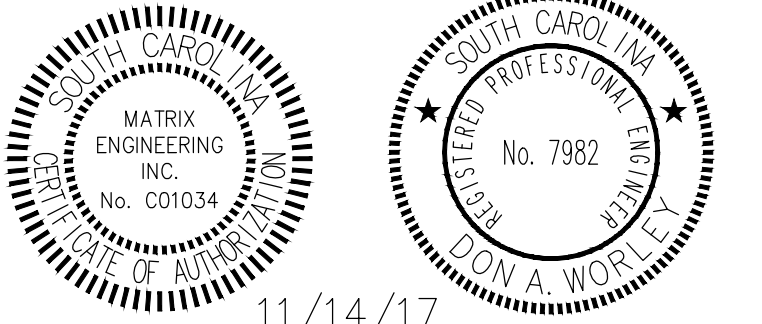
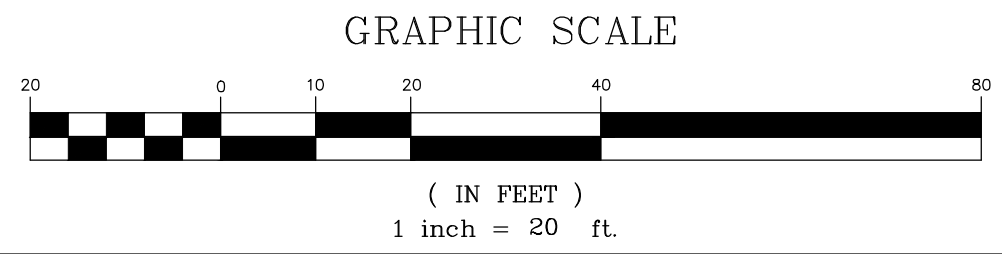
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DISTURBED AREA:
 1.83 ACRE

- EROSION CONTROL NOTES:**
- 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 14 DAYS AFTER WORK HAS CEASED. UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
 - ALL SEDIMENT AND EROSION CONTROL SHALL BE INSPECTED EVERY 7 DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS 1/4 INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED AS NECESSARY. INSPECTION SHOULD BE DOCUMENTED AND KEPT ON-SITE FOR REVIEW BY CITY OF SPARTANBURG OR SCDHEC.
 - PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER CONSTRUCTION HAS CEASED FOR THAT AREA.
 - 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 OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 - THE CONTRACTOR SHALL DAILY REMOVE SOIL AND SEDIMENT FROM PAVEMENT, AS MAY BE REQUIRED.
 - 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 LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

- CONSTRUCTION SEQUENCE PHASE 1:**
- A PRECONSTRUCTION MEETING MUST BE HELD WITH THE CITY OF SPARTANBURG STORMWATER MANAGER, JAY SQUIRES (864-596-2089) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 - DETERMINE AND MARK LIMITS OF DISTURBANCE.
 - PLACE CONSTRUCTION ENTRANCE.
 - PLACE PERIMETER SILT FENCE.
 - ROUGH GRADING/FINE GRADING, PAVING CONSTRUCTION, ETC.
 - APPLY TEMPORARY OR PERMANENT GRASSING.
 - AFTER COMPLETION OF CONSTRUCTION AND SITE IS FULLY STABILIZED, UPON APPROVAL BY CITY OF SPARTANBURG STORMWATER MANAGER JAY SQUIRES,
 - A) REMOVE ALL SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS SITE.
 - B) REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY PERMANENT GRASS.
 - SUBMIT NOTICE OF TERMINATION TO CITY OF SPARTANBURG STORMWATER MANAGER.

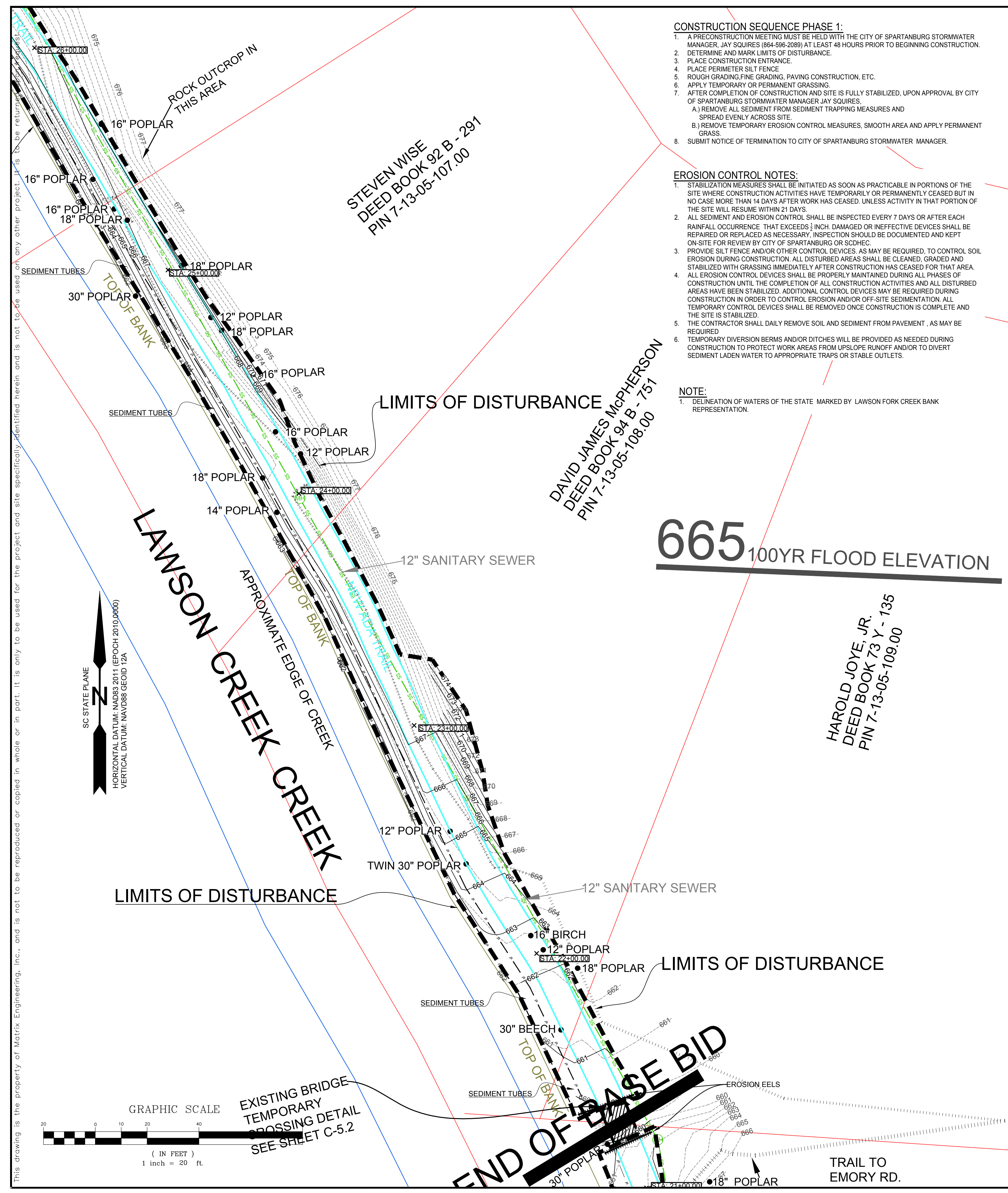
NOTE:
 1. DELINEATION OF WATERS OF THE STATE, MARKED BY LAWSON FORK CREEK BANK REPRESENTATION.



11/14/17
Don A. Wiley

| | | | |
|--|------------|------------------------------|-------------|
| RIVER BIRCH TRAIL EXTENSION AT SYDNOR ROAD FOR PARTNER FOR ACTIVE LIVING SPARTANBURG, SOUTH CAROLINA | | ISSUED FOR PERMITTING REVIEW | DESCRIPTION |
| A | 11-14-2017 | REV | DATE |
| SCALE | AS NOTED | DWG NO | |
| DATE | 4/6/17 | | C-3.3 |
| FILE NAME | PROJECT NO | REV | |
| MASTER 2017-060 | 2017-060 | A | |

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- CONSTRUCTION SEQUENCE PHASE 1:**
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 2. DETERMINE AND MARK LIMITS OF DISTURBANCE.
 3. PLACE CONSTRUCTION ENTRANCE.
 4. PLACE PERIMETER SILT FENCE
 5. ROUGH GRADING, FINE GRADING, PAVING CONSTRUCTION, ETC.
 6. APPLY TEMPORARY OR PERMANENT GRASSING.
 7. AFTER COMPLETION OF CONSTRUCTION AND SITE IS FULLY STABILIZED, UPON APPROVAL BY CITY OF SPARTANBURG STORMWATER MANAGER JAY SQUIRES,
 - A) REMOVE ALL SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS SITE.
 - B) REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY PERMANENT GRASS.
 8. SUBMIT NOTICE OF TERMINATION TO CITY OF SPARTANBURG STORMWATER MANAGER.

- EROSION CONTROL NOTES:**
1. 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 14 DAYS AFTER WORK HAS CEASED. UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
 2. ALL SEDIMENT AND EROSION CONTROL SHALL BE INSPECTED EVERY 7 DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS 1/4 INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED AS NECESSARY. INSPECTION SHOULD BE DOCUMENTED AND KEPT ON-SITE FOR REVIEW BY CITY OF SPARTANBURG OR SCDHEC.
 3. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER CONSTRUCTION HAS CEASED FOR THAT AREA.
 4. 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 OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 5. THE CONTRACTOR SHALL DAILY REMOVE SOIL AND SEDIMENT FROM PAVEMENT, AS MAY BE REQUIRED.
 6. 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 LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

NOTE:
1. DELINEATION OF WATERS OF THE STATE MARKED BY LAWSON FORK CREEK BANK REPRESENTATION.

GRASSING SPECIFICATIONS

TEMPORARY GRASS:

JAN 1 - MAY 1
 RYE (GRAN) 120 LB/ACRE
 ANNUAL LESPEDEZA 50 LB/ACRE
 MULCH (STRAW) 4000 LB/ACRE
 AGRICULTURAL LIMESTONE 2000 LB/ACRE
 FERTILIZER 10-10-10 500 LB/ACRE

MAY 1 - AUG 15
 BERMAN MILLET 40 LB/ACRE
 MULCH (STRAW) 4000 LB/ACRE
 AGRICULTURAL LIMESTONE 2000 LB/ACRE
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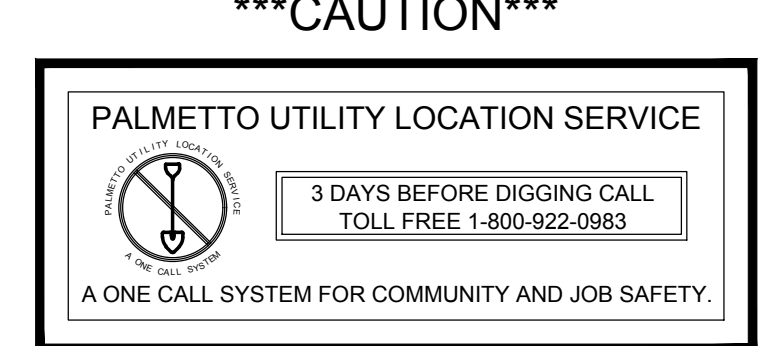
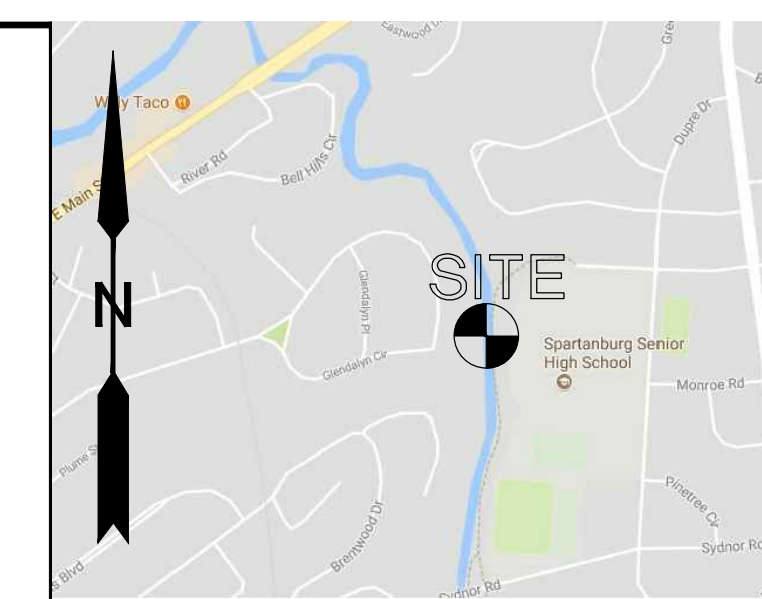
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PERMANENT GRASS:

FEBRUARY 1 - MARCH 31, AUGUST 20 - OCTOBER 25
 GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS.
 FERTILIZER SHALL BE COMMERCIAL, TYPE 10-10-10.
 LIME SHALL BE AGRICULTURAL-BRICKER BRAND LIMESTONE, CONTAINING AT LEAST 34% MAGNESIUM CARBONATE. SEED SHALL BE BERMUDA, MINIMUM 90% PURITY AND 80% GERMINATION. AREAS TO BE GRASSED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLODS OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND DEBRIS REMOVED. FERTILIZER SHALL BE APPLIED AT A MINIMUM RATE OF 1000 LB/ACRE. LIME SHALL BE APPLIED AT A MINIMUM RATE OF 3000 LB/ACRES. 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 OF 130 LB/ACRE AND RAKED IN LIGHTLY. SEEDED AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) APPLIED AT 4000 LB/ACRE. AREAS SHALL BE SPRAYED WITH EMULSION TO BIND SEED AND PREVENT EROSION, IMMEDIATELY AFTER SEEDING.

LINETYPE LEGEND

- LIMITS OF DISTURBANCE
- - - SILT FENCE
- - - PROPOSED CONTOURS
- - - EXISTING CONTOURS
- PROPERTY LINE
- - - SETBACK LINE
- - - WATER LINE
- - - SEWER LINE
- - - STORM WATER
- - - GAS LINE
- - - OVERHEAD POWER
- - - FENCE
- - - SWALE
- - - CURB AND GUTTER



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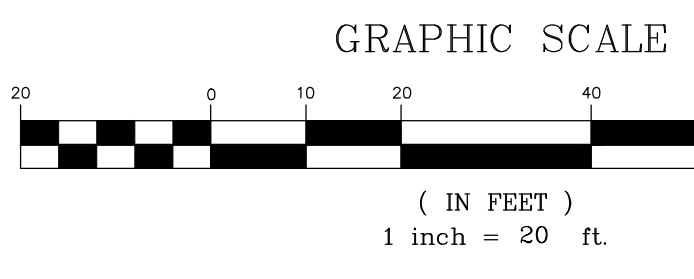
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DISTURBED AREA:
 1.83 ACRE

SCDHEC STANDARD NOTES:

1. 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.
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4. 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. Fill, 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 sediment before being pumped back into any waters of the State.
5. 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.
6. 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.
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8. 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-laden water to appropriate traps or stable outlets.
9. 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.
10. 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 in storm water discharges.
11. A copy of the SWPPP, inspections records, 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.
12. 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.
13. Minimize soil compaction and, unless infeasible, preserve topsoil.
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16. The following discharges from sites are prohibited:
 Wastewater 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.
17. 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.
18. 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.
19. 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 has approved otherwise.

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EXISTING BRIDGE
 TEMPORARY
 CROSSING DETAIL
 SEE SHEET C-5.2

END OF BASE BID

| | | | |
|-----------------|------------|--------|-------|
| SCALE | AS NOTED | DWG NO | |
| DATE | 4/6/17 | | C-3.6 |
| FILE NAME | PROJECT NO | REV | |
| MASTER 2017-060 | 2017-060 | A | |

| | | |
|------------------------------|------------|-------------|
| ISSUED FOR PERMITTING REVIEW | DATE | DESCRIPTION |
| | 11-14-2017 | |

RIVER BIRCH TRAIL EXTENSION
 AT
 SYDNOR ROAD
 FOR
 PARTNER FOR ACTIVE LIVING
 SPARTANBURG, SOUTH CAROLINA

MATRIX ENGINEERING, INC.
 912 SOUTH PINE ST.
 SPARTANBURG, SOUTH CAROLINA
 (864)583-6274
 dwoyle@matrixinc.com

29-302
 SOUTH CAROLINA PROFESSIONAL ENGINEER
 No. 7982
 DON A. WORLEY

11/14/17

SCALE & EROSION CONTROL PLAN

PIN 7-13-01-087.00

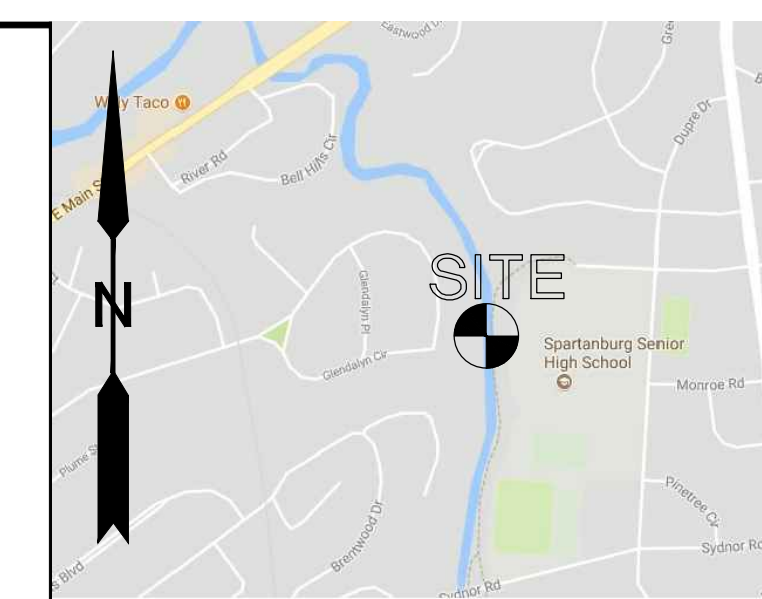
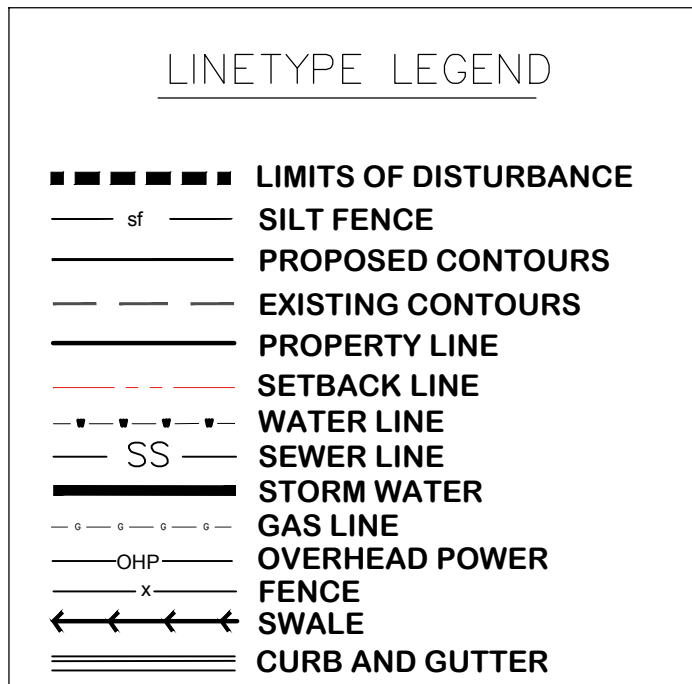
GRASSING SPECIFICATIONS

TEMPORARY GRASS:
JAN 1 - MAY 1
RYE (GRAIN) 120 LB/ACRE
ANNUAL LESPEDEZA 50 LB/ACRE
MULCH (STRAW) 4000 LB/ACRE
AGRICULTURAL LIMESTONE 2000 LB/ACRE
FERTILIZER 10-10-10 500 LB/ACRE
MAY 1 - AUG 15
GERMAN MILLET 40 LB/ACRE
MULCH (STRAW) 4000 LB/ACRE
AGRICULTURAL LIMESTONE 2000 LB/ACRE
FERTILIZER 10-10-10 500 LB/ACRE
AUG 15 - DEC 30
RYE (GRAIN) 120 LB/ACRE
MULCH (STRAW) 4000 LB/ACRE
AGRICULTURAL LIMESTONE 2000 LB/ACRE
FERTILIZER 10-10-10 500 LB/ACRE

PERMANENT GRASS:
FEBRUARY 1 - MARCH 31, AUGUST 20 - OCTOBER 25
GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS.
FERTILIZER SHALL BE COMMERCIAL TYPE 10-10-10.
LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE.
CONTAINING AT LEAST 34% MAGNESIUM CARBONATE. SEED SHALL BE BERGUDA-MIRGOLA 90% PURITY AND 80% GERMINATION. AREAS TO BE GRASSED SHALL BE SCARIFIED TO A DEPTH OF 3 INCHES, WITH ALL CLODS OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND DEBRIS REMOVED. FERTILIZER SHALL BE APPLIED AT A MINIMUM RATE OF 1000 LB/ACRE. LIME SHALL BE APPLIED AT A MINIMUM RATE OF 3000 LB/ACRE. 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 OF 130 LB/ACRE AND RAKED IN LIGHTLY. SEEDED AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) APPLIED AT 4000 LB/ACRE. AREAS SHALL BE SPRAYED WITH EMULSION TO BIND SEED AND PREVENT EROSION, IMMEDIATELY AFTER SEEDING.

CONSTRUCTION SEQUENCE PHASE 1:

- 1. A PRECONSTRUCTION MEETING MUST BE HELD WITH THE CITY OF SPARTANBURG STORMWATER MANAGER, JAY SQUIRES (864-596-2089) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
2. DETERMINE AND MARK LIMITS OF DISTURBANCE.
3. PLACE PERIMETER SILT FENCE.
4. PLACE CONSTRUCTION ENTRANCE.
5. ROUGH GRADING, FINE GRADING, PAVING CONSTRUCTION, ETC.
6. APPLY TEMPORARY OR PERMANENT GRASSING.
7. AFTER COMPLETION OF CONSTRUCTION AND SITE IS FULLY STABILIZED, UPON APPROVAL BY CITY OF SPARTANBURG STORMWATER MANAGER JAY SQUIRES.
A) REMOVE ALL SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS SITE.
B) REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY PERMANENT GRASS.
8. SUBMIT NOTICE OF TERMINATION TO CITY OF SPARTANBURG STORMWATER MANAGER.



CAUTION
PALMETTO UTILITY LOCATION SERVICE
3 DAYS BEFORE DIGGING CALL
TOLL FREE 1-800-922-0983
A ONE CALL SYSTEM FOR COMMUNITY AND JOB SAFETY.

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.

OWNERS:
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DAVID HUTCHINSON
JAKE JONES
GARY PURINTON
STEVEN WISE
DAVID McPHERSON
HAROLD JOYE JR.
SPARTANBURG COUNTY
SCHOOL DISTRICT 7

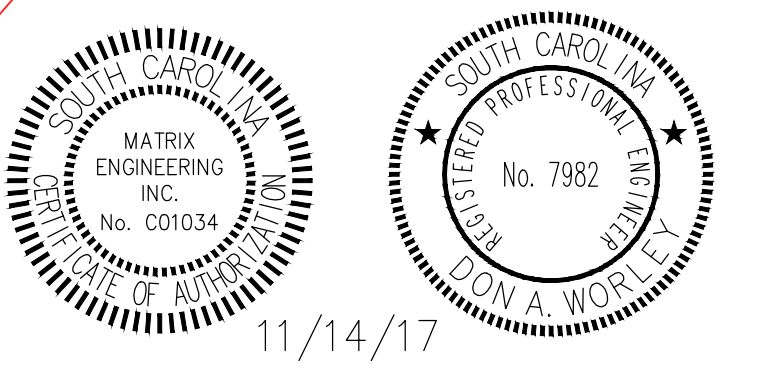
PROPERTY ADDRESS:
SPARTANBURG, SC 29307

ENGINEER:
MATRIX ENGINEERING, INC.
912 SOUTH PINE STREET
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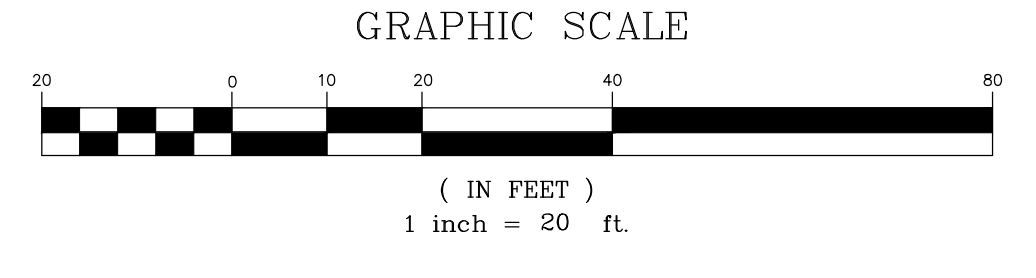
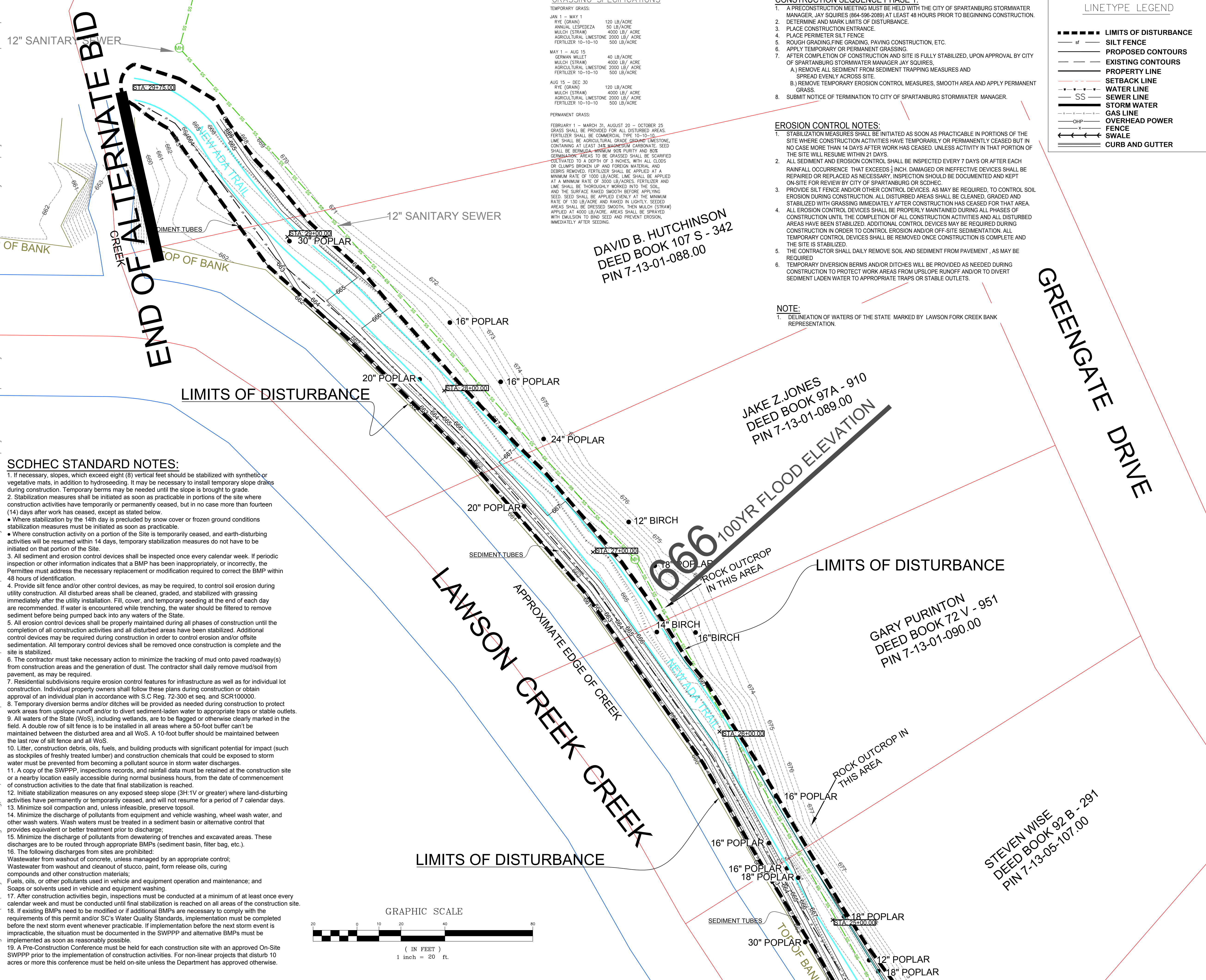
TAX MAP NO.:
7-13-01-087.00
7-13-01-088.00
7-13-01-089.00
7-13-01-090.00
7-13-05-107.00
7-13-05-108.00
7-13-05-109.00

DISTURBED AREA:
1.83 ACRE



11/14/17
W. A. Wiley

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SCDHEC STANDARD NOTES:
1. 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.
2. 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.
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DAVID B. HUTCHINSON
DEED BOOK 107 S - 342
PIN 7-13-01-088.00

JAKE Z. JONES
DEED BOOK 97A - 910
PIN 7-13-01-089.00

GARY PURINTON
DEED BOOK 72 V - 951
PIN 7-13-01-090.00

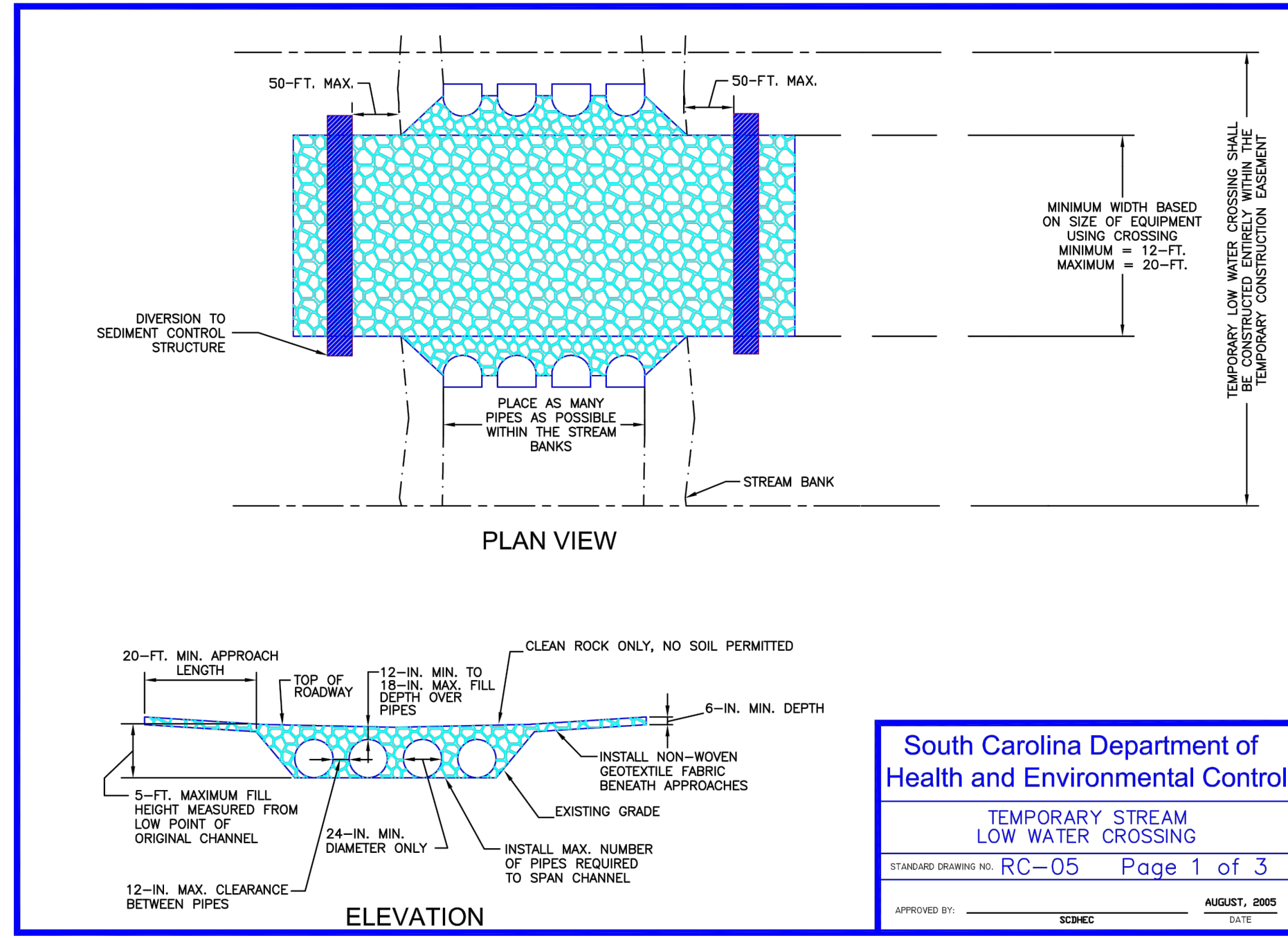
STEVEN WISE
DEED BOOK 92 B - 291
PIN 7-13-05-107.00

GREENGATE DRIVE

12" SANITARY SEWER
END OF ALTERNATE BID
CREEK
TOP OF BANK

Table with columns: CLIENT NAME, LOCATION & DESCRIPTION, PARTNER FOR ACTIVE LIVING, SPARTANBURG, SOUTH CAROLINA, RIVER BIRCH TRAIL EXTENSION AT SYDNOR ROAD, SCALE AS NOTED, DATE 4/6/17, FILE NAME MASTER 2017-060, PROJECT NO 2017-060, DWG NO C-3.7, DW DW, DW, US, DWN, APP, REV, DATE, DESCRIPTION.

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South Carolina Department of Health and Environmental Control
 TEMPORARY STREAM LOW WATER CROSSING
 STANDARD DRAWING NO. RC-05 Page 1 of 3
 APPROVED BY: _____ DATE: AUGUST, 2005

TEMPORARY STREAM LOW WATER CROSSING

Prior to constructing a temporary stream crossing, the owner/person financially responsible for the project must submit an Application for Permit to Construct Across or Along a Stream to the South Carolina Department of Health and Environmental Control (SC DHEC). Temporary stream crossings require authorization. Refer to the US Army Corps of Engineers and SCDHEC nationwide 401 and 404 regulations for information on permitting requirements.

Installation:
 Crossings shall be installed prior to any other activities.
 Pump-around diversions shall be installed and maintained prior to any excavation and during the installation of the crossing.
 Crossings shall be placed in temporary construction easements only.

The temporary waterway crossing shall be at right angles to the stream. Where approach conditions dictate, the crossing may vary 15 degrees from a line drawn perpendicular to the centerline of the stream at the intended crossing location. However every effort shall be taken to install the crossing perpendicular to the stream. All fill materials associated with the roadway approach shall be limited to a maximum height of 2-feet above the existing flood plain elevation.

A water diverting structure such as a dike or swale shall be constructed (across the roadway on both roadway approaches) 50-feet (maximum) on either side of the waterway crossing. This will prevent roadway surface runoff from directly entering the waterway. The 50-feet is measured from the top of the waterway bank. The flow captured in these dikes and swales shall be directed to a sediment trapping structure. If the roadway approach is constructed with a reverse grade away from the waterway, a separate diverting structure is not required.

Streambank clearing shall be kept to a minimum. Do not excavate rock bottom streambeds to install the crossing. Lay the culvert pipes on the streambed "as is" when applicable. Place as many pipes as possible within the low area of the stream. Place remaining pipes required to cross the stream on the existing stream bottom.

The maximum number of pipes as possible should be placed within the stream banks with a maximum spacing of 12-inches between pipes. The minimum sized pipe culvert that may be used is 24-inches.

The length of the culvert shall be adequate to extend the full width of the crossing, including side slopes. The slope of the culvert shall be at least 0.25 feet per foot.

Coarse aggregate of clean limestone riprap with a 6-inch D50 stone or greater will be used to form the crossing. The depth of stone cover over the culvert shall be equal to 1/2 the diameter of the culvert or 12-inches, whichever is greater but no greater than 18-inches.

South Carolina Department of Health and Environmental Control
 TEMPORARY STREAM LOW WATER CROSSING
 STANDARD DRAWING NO. RC-05 Page 2 of 3
 APPROVED BY: _____ DATE: AUGUST, 2005

TEMPORARY STREAM LOW WATER CROSSING

Installation:
 All fill materials associated with the roadway approach shall be limited to a maximum height of 2-feet above the existing flood plain elevation.
 The approaches to the structure shall consist of clean stone or concrete fill only with a minimum thickness of 6-inches. The minimum approach length shall be 20-feet and the width shall be equal to the width of the structure.

Inspection and Maintenance:
 Inspect crossings every seven (7) calendar days and within 24-hours after each rainfall event that produces 1/2-inches or more of precipitation. Check the structure integrity and for excessive sediment deposition and replace fill stone as needed.
 Clean mud and/or sediment from the roadway and do not allow it to enter the stream.
 The structure shall be removed when it is no longer required to provide access to the construction area. During removal, leave stone and geotextile fabric for approaches in place. Place fill over the approaches as part of the stream bank restoration operation.
 A temporary culvert crossing should be in place no longer than 24-months.

South Carolina Department of Health and Environmental Control
 TEMPORARY STREAM LOW WATER CROSSING
 STANDARD DRAWING NO. RC-05 Page 3 of 3
 APPROVED BY: _____ DATE: AUGUST, 2005



CAUTION



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 SCHOOL DISTRICT 7

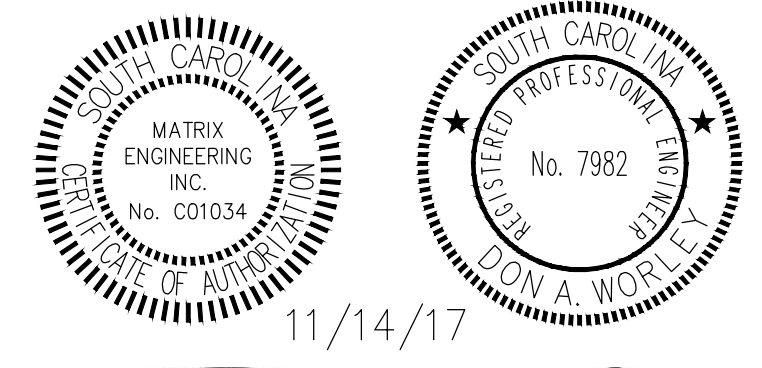
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TAX MAP NO.:
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 7-13-05-107.00
 7-13-05-108.00
 7-13-05-109.00

DISTURBED AREA:
 1.83 ACRE



11/14/17
 Don A. Worley

| | | | |
|-----------|-----------------|------------------------------|------------|
| SCALE | AS NOTED | DWG NO | |
| DATE | 4/6/17 | | C-5.2 |
| FILE NAME | MASTER 2017-060 | PROJECT NO | 2017-060 |
| | | REV | A |
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| | | DESCRIPTION | |
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| | | CKD | |
| | | DWN | |
| | | JS | |
| | | DW | |
| | | DW | |

CLIENT NAME, LOCATION & DESCRIPTION
 RIVER BIRCH TRAIL EXTENSION
 AT
 SYDNOR ROAD
 FOR
 PARTNER FOR ACTIVE LIVING
 SPARTANBURG, SOUTH CAROLINA

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 SPARTANBURG, SOUTH CAROLINA
 (864) 583-6274
 29302
 dwerley@matrixei.com

NOTES AND DETAILS