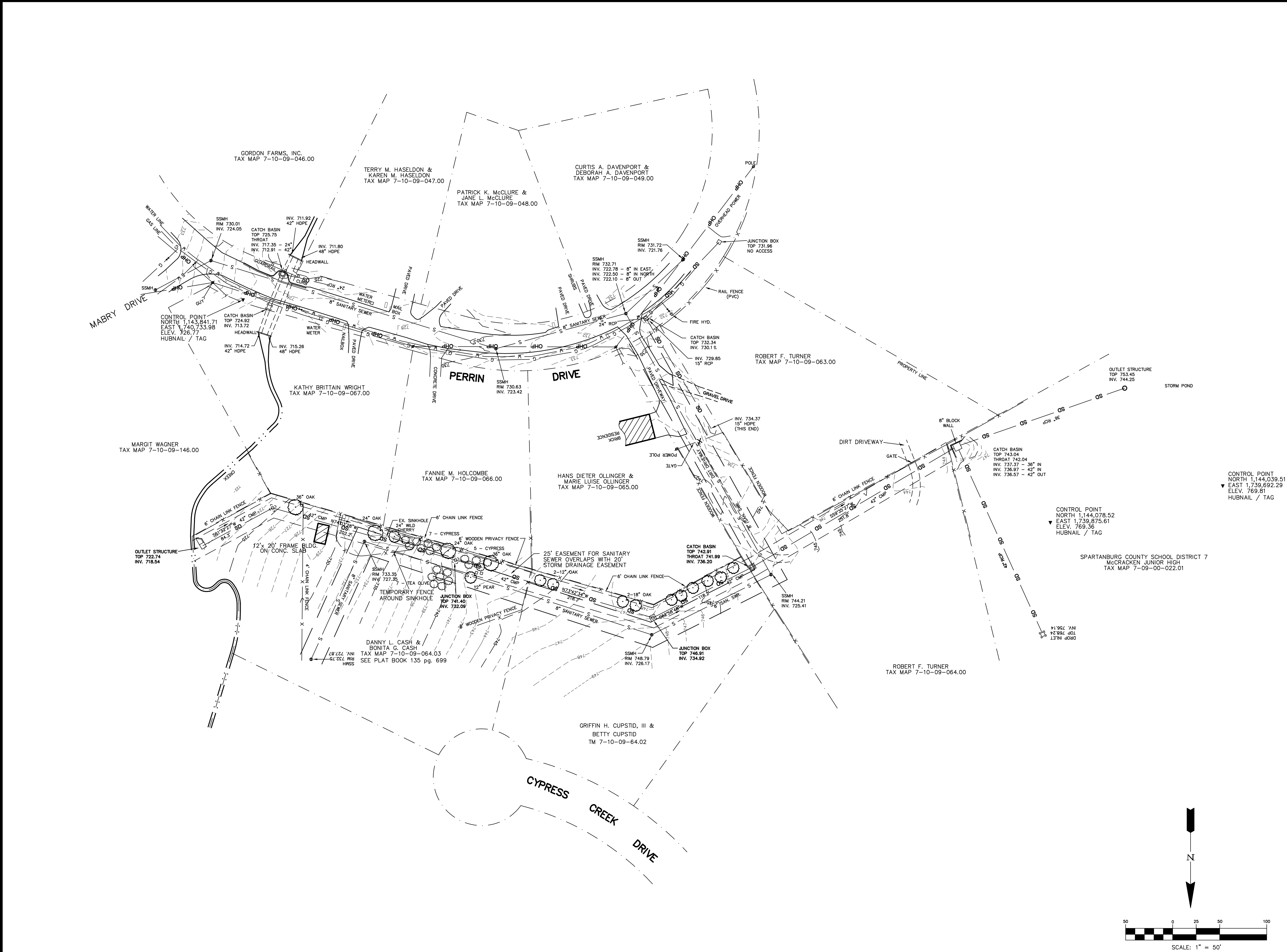


GENERAL NOTES:

1. TOPOGRAPHY AND SURVEY BY LAVENDER SMITH & ASSOCIATES
2. BLOCK MAP: 7-10-09-064.00, 064.02 AND 064.03.
3. THIS PROPERTY DOES NOT LIE WITHIN THE 100 YEAR FLOOD PLAIN ACCORDING TO FEMA PANEL NUMBER 45083C0276D.
4. THIS SITE IS PRESENTLY ZONED R6.
5. PROJECT ADDRESS: PERRIN DRIVE, SPARTANBURG, SC 29307
6. CONTACT: TERRY GILMER, SPARTANBURG COUNTY SCHOOL DISTRICT 7, 717 UNION STREET, SPARTANBURG, SC 29302, PHONE: 864-594-4500
7. ENGINEER: BLACKWOOD ASSOCIATES INC., P.O. BOX 366, SPARTANBURG, SOUTH CAROLINA 29304, (864)583-5432

SEQUENCE OF CONSTRUCTION ACTIVITIES

1. RECEIVE STORMWATER APPROVAL FROM CITY OF SPARTANBURG.
2. HAVE MANDATORY PRE-CONSTRUCTION (CEPSO CERTIFICATION MEETING). WITH CITY OF SPARTANBURG STORMWATER MANAGER JAY SQUIRES AT 864-596-2089.
3. INSTALL PERIMETER CONTROLS.
4. PLACE INLET PROTECTION AROUND ALL CATCH BASINS.
5. BEGIN UNDERCUTTING AND STOCKPILE OF EXISTING MATERIAL.
6. ALL STOCKPILES SHALL BE BORDERED BY SILT FENCE OR INLET SOXX..
7. APPLY GRASSING / SPRIGGING IN ACCORDANCE WITH NOTES.
8. INSPECT AND MAINTAIN ALL EROSION CONTROL AS INDICATED IN GRADING NOTES.
9. PERMANENT GRASS SHALL BE INSTALLED FOR ALL AREAS AT FINAL GRADE AND IN SEASON INDICATED ON GRASS NOTES.
10. AFTER COMPLETION OF CONSTRUCTION AND THE SITE IS STABILIZED, (A) REMOVE ALL ACCUMULATED SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS THE SITE. (B) REMOVE TEMPORARY EROSION CONTROL MEASURES, SMOOTH AREA AND APPLY GRASSING PER GRASS NOTES/SPECIFICATIONS.
11. APPLY FOR NOTICE OF TERMINATION FROM CITY OF SPARTANBURG
12. RECORD (AS BUILT) DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR TO ENGINEER FOR CERTIFICATION.



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BLACKWOOD ASSOCIATES INC.
CONSULTING ENGINEERS
PO BOX 366 • SPARTANBURG, SC 29304 • (864) 583-5432 • (FAX) 583-5434

SPARTANBURG COUNTY SCHOOL DISTRICT 7
CYPRESS CREEK STORM DRAIN
EXISTING CONDITIONS
PERRIN DRIVE
SPARTANBURG, S.C

DRAWN:	CHECKED:	APPROVED:	DATE:	JOB NO.
ELO	WAB	WAB	JUNE 8, 2020	1834
DRAWING NUMBER	REVISION NUMBER	REVISION DATE		
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1 OF 4				

SPECIFICATIONS/NOTES

- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND LINES AND UTILITIES BEFORE EXCAVATION. ADVISE ENGINEER IMMEDIATELY OF ANY VARIATIONS. ALL EXCAVATIONS NEAR THESE LINES SHALL BE WITH CAUTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION WHICH AFFECTS NEW CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION AND/OR RELOCATION AS NECESSARY AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY ALL WORK PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. DISCONTINUE WORK IN ALL AFFECTED AREAS UNTIL RESOLVED BY ENGINEER.
- EARTHWORK SHALL BE TO THE LINES AND GRADES SHOWN. THE CONTRACTOR SHALL PROOF-ROLL THE CONSTRUCTION AREA WITH HEAVY-PNEUMATIC EQUIPMENT. ALL SOFT SPOTS SHALL BE UNDERCUT AND RECOMPACTED WITH SUITABLE STRUCTURAL FILL MATERIAL. ALL FILL COMPACTION SHALL BE 95% OF MAXIMUM PER ASTM D-698 (STANDARD PROCTOR). ALL MATERIAL WITHIN 18 INCHES OF PAVEMENT AND BUILDING SUBGRADE SHALL BE COMPACTED TO 98% OF MAXIMUM. FILL MATERIAL SHALL NOT CONTAIN ORGANIC MATERIAL, DEBRIS OR ROCKS. WHERE FILL IS TO BE PLACED, ALL EXISTING VEGETATION, ROOTS AND OTHER ORGANIC MATTER DOWN TO 12 INCHES BELOW EXISTING GRADE SHALL BE STRIPPED AND DISPOSED OF AS DIRECTED. FILL SHALL BE PLACED IN SUCCESSIVE LAYERS OF NOT MORE THAN 8 INCHES LOOSE THICKNESS. EACH LAYER SHALL BE SPREAD EVENLY AND COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS INCLUDING PAVEMENT, CONCRETE, AND UNSUITABLE MATERIAL FROM THE SITE. ALL AREAS UNDER EXISTING PAVEMENT SHALL BE SCARIFIED BEFORE PLACING STRUCTURAL FILL MATERIAL.
- CONCRETE SHALL BE 4,000 PSI CONCRETE MINIMUM. STEEL REINFORCEMENT SHALL BE ASTM A615, GRADE 60.
- CATCH BASINS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
- STORM SEWER SHALL BE LAID ON A MINIMUM TYPE "C" BEDDING FOR DEPTHS UP TO 21', FOR DEPTHS GREATER THAN 21' USE TYPE "B" BEDDING. PLACE BELL OR BED GROOVE END UP GRADE WITH THE SPIGOT OR TONGUE FULLY INSERTED. EACH JOINT SHALL BE CHECKED FOR ALIGNMENT AND GRADE AS THE WORK PROCEEDS. APPROVED BACKFILL MATERIAL SHALL BE PLACED CAREFULLY ALONG THE PIPE AND COMPACTED UNDER HAUNCHES. MATERIAL SHALL BE BROUGHT UP EVENLY IN LAYERS ON BOTH SIDES OF THE PIPE AND TO ONE FOOT ABOVE THE TOP OF THE PIPE. MATERIAL SHALL BE PLACED IN A MANNER SO AS NOT TO DISPLACE OR DAMAGE THE INSTALLED PIPE. BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS AS SPECIFIED.
- REINFORCED CONCRETE PIPE (RCP) SHALL BE:
CLASS III - DEPTHS 0'-14' CLASS "C" BEDDING.
CLASS IV - DEPTHS 14'-21' CLASS "C" BEDDING.
CLASS IV - DEPTHS 21'-27' CLASS "B" BEDDING.
CLASS V - DEPTHS 27'-41' CLASS "B" BEDDING.
ALL RCP SHALL HAVE BUTYL RUBBER GASKET SEALANT UNLESS OTHERWISE SPECIFIED. JOINTS AND FITTINGS / ACCESSORIES SHALL BE COMPATIBLE WITH PIPE. SEE BEDDING DETAILS.
- HDPE STORM SEWER LINES SHALL BE ASTM 3350 WITH SMOOTH INTERIOR DOUBLE WALLS. JOINTS SHALL BE GASKETED WITH MINIMUM SOIL TIGHT CONNECTIONS. BEDDING AND BACKFILL SHALL BE A MINIMUM CLASS IV-A (ASTM D2321).
- ASPHALT PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND THE SOUTH CAROLINA D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL REQUIRED STRIPING AND SIGNAGE FOR WORK ON SITE AND S.C.D.O.T. RIGHT OF WAY. ALL SITE STRIPING TO COMPLY WITH SCDOT STANDARD PAINT REQUIREMENTS. THERMOPLASTIC PAINT REQUIRED IN SCDOT RIGHT OF WAY.
- PRIOR TO PAVING, PROVIDE AS-BUILT ELEVATIONS FOR ALL CATCH BASIN THROATS AND INVERTS; AND ALL CRITICAL RADIUS AND LOW POINT ELEVATIONS AT GUTTER.

GRADING PERMIT NOTES

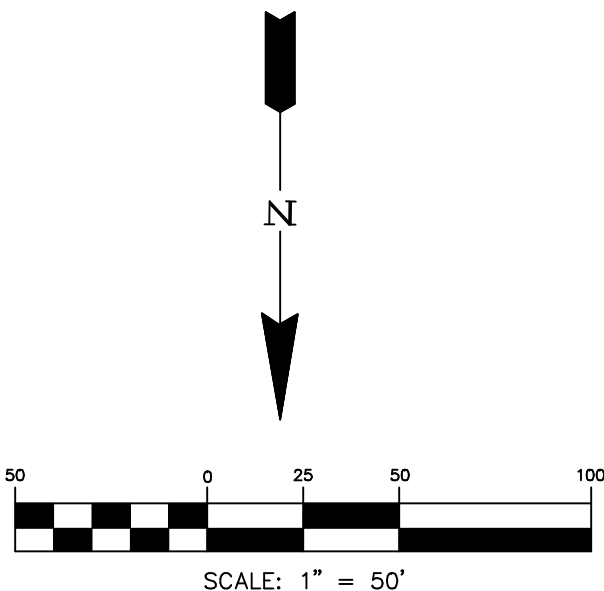
- SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET OR STEEPER THAN 3:1 SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDRO SEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION 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 EVERY SEVEN (7) DAYS. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
- 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.
- 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 THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL 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.
- 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 CANT 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.

CITY PERMIT NOTES

- BEFORE ANY LAND DISTURBING ACTIVITY TAKES PLACE, CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF SPARTANBURG STORMWATER MANAGER (JAY SQUIRES AT 586-2089)
- PERMIT OWNER SHALL COMPLETE A NOTICE OF TERMINATION (EPA FORM 3517-7) BEFORE A CERTIFICATE OF OCCUPANCY WILL BE GRANTED.
- THE SITE CONTRACTOR SHALL PROVIDE A PORTABLE TOILET IN AN AREA THAT IS NOT ADJACENT TO A WATERWAY OR STORM DRAINAGE.
- THE CONTRACTOR SHALL PROVIDE A PLACE FOR CONCRETE TRUCKS TO WASHOUT AND THE WASHOUT IS TO BE BURIED ONSITE UNTIL CONSTRUCTION IS COMPLETE. WHEN CONSTRUCTION IS COMPLETED, THE WASTE SHALL BE HAILED OFF TO A LANDFILL.
- THE CONTRACTOR SHALL ENSURE ALL SOIL STOCKPILES ARE BOUND BY A ROW OF SILT FENCE PLACED AT ALL DOWNHILL LOCATIONS.

LEGEND

- SD SD EXISTING STORM DRAIN TO BE REPLACED
- X EXISTING TREE/SHRUB TO BE REMOVED
- EXISTING FENCING TO BE REMOVED AND REPLACED
- SILT FENCE
- LIMITS OF DISTURBANCE
- GRAVEL CONSTRUCTION ENTRANCE



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SPARTANBURG COUNTY SCHOOL DISTRICT 7
CYPRESS CREEK STORM DRAIN
DEMOLITION PLAN
PERRIN DRIVE
SPARTANBURG, S.C

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