START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	MONTH 1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE

NOTE:
SEDIMENT STORAGE IN THE LINEAR PROJECT IS ACCOMPLISHED WITH THE USE OF TYPE C SILT FENCE WITH A MULCH FILTER BERM INSTALLED ALONG THE DOWNHILL SIDE OF THE ENTIRE DISTURBED LENGTH.

SEDIMENT STORAGE REQUIRED: 134 cu.yd./ acre
134 x 9.57 = 1282 cu.yd STORAGE

MULCH FILTER BERM + TYPE C FENCE WILL STORE SEDIMENT = $\frac{1}{4}$ acre / 100 L.F. BERM (SOURCE: US EPA, NPDES, COMPOST FILTER BERM GUIDANCE DOCUMENT AND GSWCC 2016 EDITION, PAGE 6-137)

9.57 acre / $\frac{1}{4}$ acre = 38.3

38.3 x 100 L.F. FENCE = 3,830 L.F. REQUIRED DUE TO BIOTA IMPAIRED STREAM SEGMENT, 2x SEDIMENT STORAGE REQUIRED = 7,660 L.F.

10,750 L.F. SILT FENCE PROVIDED

NOTE:
INSTALLATION OF A SEDIMENT BASIN IS NOT FEASIBLE FOR THIS PROJECT. THE CORRIDOR IS VERY NARROW, AND THERE IS NOT AN OPPORTUNITY TO INSTALL SEDIMENT BASINS ALONG THE ROUTE WITHOUT CHANNELIZING AREAS THAT WOULD OTHERWISE SHEET FLOW.

USING SILT FENCE WITH A MULCH FILTER BERM HAS BEEN A SUCCESSFUL PRACTICE FOR TRAIL PROJECTS IN AREAS WHERE THE CONTRIBUTING AREAS AND DISTURBED AREAS SHEET FLOW ACROSS THE NARROW CORRIDOR.

NOTE:
ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AN WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III.C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMPs THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.

IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT (IDENTIFIED ABOVE) AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF THE NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.

GEORGIA'S 2008 OR SUBSEQUENT 305 (b) / 303 (d) LIST DOCUMENTS HAVE BEEN CONSULTED. IT WAS DETERMINED THAT THIS SITE DOES DRAIN INTO AN IMPAIRED STREAM SEGMENT, AND IS WITHIN ONE (1) LINEAR MILE UPSTREAM OF, AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.

FOUR ADDITIONAL BMP MEASURES HAVE BEEN SELECTED FROM THE PERMIT LIST ITEMS PART III, C., 2., PAGE 13. THESE INCLUDE ITEM B) 3600 cu.yd./acre SEDIMENT STORAGE INCREASE; ITEM I) LESS THAN 50% IMPERVIOUS IN DISTURBED AREA; ITEM L) USING MULCH IN FRONT OF SILT FENCE FOR ADDITIONAL EFFECTIVENESS; AND ITEM M) MATTING ADDED TO ALL SLOPES GREATER THAN 3:1 (SOD ALSO USED ON SOME SLOPES).

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITEUNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN PERSONNEL IN THE USE OF THE SPCC PLAN

IMPERVIOUS AREA FOR THE PROJECT IS LESS THAN 50% OF THE DISTURBED AREA.

TOTAL AREA OF BUFFER DISTURBANCE:
42,387 sq.ft.

TOTAL DISTURBANCE FOR PROJECT:
416,822 sq.ft.

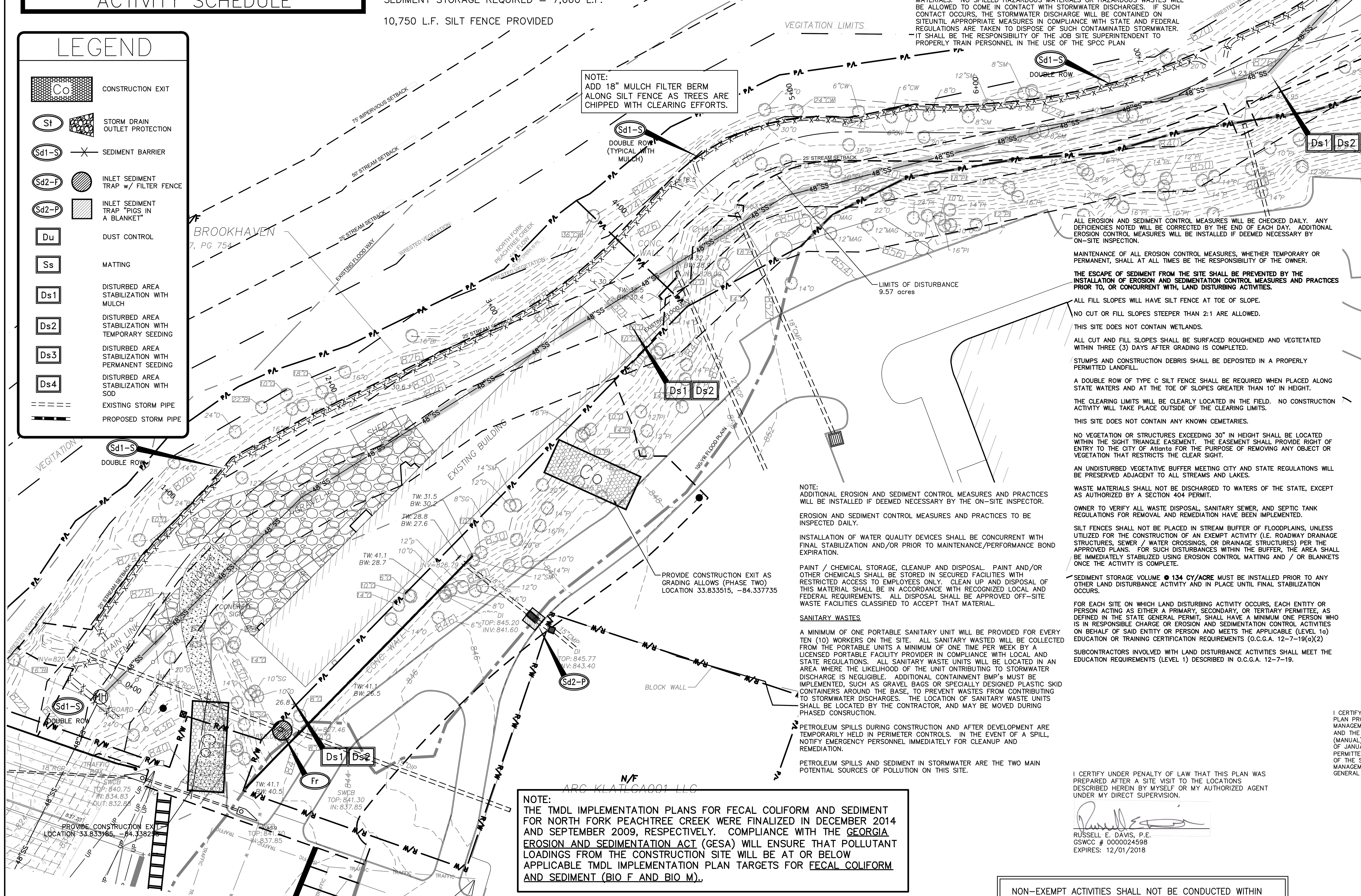
BUFFER AREA IS TO BE REMOVED FROM CALCULATIONS:
416,822 − 42,387 = 374,435 sq.ft. = 8.59 acres

TOTAL IMPERVIOUS AREA:
146,391 sq.ft. = 3.36 acres OR 39.1%

IMPERVIOUS INSIDE 25' BUFFER
17,654 sq.ft. = 0.41 acres OR 41.7% IN BUFFER

LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE



NOTE:
ADD 18" MULCH FILTER BERM ALONG SILT FENCE AS TREES ARE CHIPPED WITH CLEARING EFFORTS.

PROVIDE CONSTRUCTION EXIT AS GRADING ALLOWS (PHASE TWO) LOCATION 33.833515, -84.337735

PROVIDE CONSTRUCTION EXIT LOCATION 33.833185, -84.338294

LIMITS OF DISTURBANCE
9.57 acres

NOTE:
ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY THE ON-SITE INSPECTOR.

EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.

INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.

PAINT / CHEMICAL STORAGE, CLEANUP AND DISPOSAL. PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEAN UP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE APPROVED OFF-SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTED WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT ONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP's MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS SHALL BE LOCATED BY THE CONTRACTOR, AND MAY BE MOVED DURING PHASED CONSRUCTION.

PETROLEUM SPILLS DURING CONSTRUCTION AND AFTER DEVELOPMENT ARE TEMPORARILY HELD IN PERIMETER CONTROLS. IN THE EVENT OF A SPILL, NOTIFY EMERGENCY PERSONNEL IMMEDIATELY FOR CLEANUP AND REMEDIATION.

PETROLEUM SPILLS AND SEDIMENT IN STORMWATER ARE THE TWO MAIN POTENTIAL SOURCES OF POLLUTION ON THIS SITE.

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY. ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

MAINTENANCE OF ALL EROSION CONTROL MEASURES, WHETHER TEMPORARY OR PERMANENT, SHALL AT ALL TIMES BE THE RESPONSIBILITY OF THE OWNER.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

ALL FILL SLOPES WILL HAVE SILT FENCE AT TOE OF SLOPE.

NO CUT OR FILL SLOPES STEEPER THAN 2:1 ARE ALLOWED.

THIS SITE DOES NOT CONTAIN WETLANDS.

ALL CUT AND FILL SLOPES SHALL BE SURFACED ROUGHENED AND VEGTETATED WITHIN THREE (3) DAYS AFTER GRADING IS COMPLETED.

STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL.

A DOUBLE ROW OF TYPE C SILT FENCE SHALL BE REQUIRED WHEN PLACED ALONG STATE WATERS AND AT THE TOE OF SLOPES GREATER THAN 10' IN HEIGHT.

THE CLEARING LIMITS WILL BE CLEARLY LOCATED IN THE FIELD. NO CONSTRUCTION ACTIVITY WILL TAKE PLACE OUTSIDE OF THE CLEARING LIMITS.

THIS SITE DOES NOT CONTAIN ANY KNOWN CEMETARIES.

NO VEGETATION OR STRUCTURES EXCEEDING 30" IN HEIGHT SHALL BE LOCATED WITHIN THE SIGHT TRIANGLE EASEMENT. THE EASEMENT SHALL PROVIDE RIGHT OF ENTRY TO THE CITY OF Atlanta FOR THE PURPOSE OF REMOVING ANY OBJECT OR VEGETATION THAT RESTRICTS THE CLEAR SIGHT.

AN UNDISTURBED VEGETATIVE BUFFER MEETING CITY AND STATE REGULATIONS WILL BE PRESERVED ADJACENT TO ALL STREAMS AND LAKES.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

OWNER TO VERIFY ALL WASTE DISPOSAL, SANITARY SEWER, AND SEPTIC TANK REGULATIONS FOR REMOVAL AND REMEDIATION HAVE BEEN IMPLEMENTED.

SILT FENCES SHALL NOT BE PLACED IN STREAM BUFFER OF FLOODPLAINS, UNLESS UTILIZED FOR THE CONSTRUCTION OF AN EXEMPT ACTIVITY (I.E. ROADWAY DRAINAGE STRUCTURES, SEWER / WATER CROSSINGS, OR DRAINAGE STRUCTURES) PER THE APPROVED PLANS. FOR SUCH DISTURBANCES WITHIN THE BUFFER, THE AREA SHALL BE IMMEDIATELY STABILIZED USING EROSION CONTROL MATTING AND / OR BLANKETS ONCE THE ACTIVITY IS COMPLETE.

SEDIMENT STORAGE VOLUME @ **134 CY/ACRE** MUST BE INSTALLED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITY AND IN PLACE UNTIL FINAL STABILIZATION OCCURS.

FOR EACH SITE ON WHICH LAND DISTURBING ACTIVITY OCCURS, EACH ENTITY OR PERSON ACTING AS EITHER A PRIMARY, SECONDARY, OR TERTIARY PERMITTEE, AS DEFINED IN THE STATE GENERAL PERMIT, SHALL HAVE A MINIMUM ONE PERSON WHO IS IN RESPONSIBLE CHARGE OR EROSION AND SEDIMENTATION CONTROL ACTIVITIES ON BEHALF OF SAID ENTITY OR PERSON AND MEETS THE APPLICABLE (LEVEL 1a) EDUCATION OR TRAINING CERTIFICATION REQUIREMENTS (O.C.G.A. 12-7-19(a)(2)

SUBCONTRACTORS INVOLVED WITH LAND DISTURBANCE ACTIVITIES SHALL MEET THE EDUCATION REQUIREMENTS (LEVEL 1) DESCRIBED IN O.C.G.A. 12-7-19.

EROSION CONTROL NOTES:

1) EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

2) Sediment and erosion control measures and practices to be inspected daily.

3) All disturbed areas must be seeded, fertilized, and mulched as soon as construction phase permit. Also, these disturbed areas must be protected until permanent vegetation is established.

4) All unsurfaced areas disturbed by grading operations shall receive four (4) inches of topsoil. Contractor shall apply stabilization fabric to all slopes that are 10' or greater in height & slope of 2H:1V or greater as necessary to retain topsoil. Contractor shall maintain best management practices on disturbed slopes in accordance with the Manual for Erosion and Sediment Control in Georgia until a healthy stand of grass is maintained over more than 70% of the disturbed area and to the satisfaction of the Owner.

5) It is the responsibility of the contractor to clean out all existing and proposed inlets, pipes, and manholes of debris and sediment at completion of the site work in conformance with all State and local specifications, and to the satisfaction of the Owner.

6) All earthwork operations should be scheduled in a manner to maintain proper routing of storm water through sediment control devices. If it is necessary to perform construction activities in an order that is not in accordance with the activity schedule on this plan, or the construction schedule will allow for disturbed areas to bypass best management practices, the contractor is to contact the engineer prior to commencement of such activities and implement erosion control devices that will control sediment, at the satisfaction of the engineer and in accordance with the Manual for Erosion and Sediment Control in Georgia.

7) ANY DISTURBED AREA LEFT IDLE FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS LEFT IDLE 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

8) EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

9) ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

10) SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 1993 ADDITION, AND BE WIRE REINFORCED.

11) THE PROPERTY OWNER AND CONTRACTOR ARE EQUALLY RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.

12) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES, NOT THE CITY OF ATLANTA.

13) ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. IN SUCH INSTANCES WHERE THE ESTABLISHMENT OF VEGETATION IS INOPPORTUNE DUE TO SEASON OR DROUGHT, DISTURBED AREAS SHALL BE TEMPORARILY SABILIZED USING 2"-4" OF MULCH (Ds1). ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.

14) THE CITY'S DESIGNEE WILL VERIFY ADEQUATE COVER (100% COVER, 70% DENSITY) OF PERMANENT STABILIZATION (Ds3, Ds4).

15) STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK CHUTE WASH OUT. CONCRETE TRUCK CHUTE WASH OUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH AREA LOCATED ON THE CREST OF THE ACCESS ROAD. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE IN IMPACTING VEGETATED AREAS SHOWN TO BE SAVED ON THE TREE SAVE PLAN. DISPOSAL OF MATERIALS SHALL BE EITHER THE BREAKING OF MATERIAL INTO ACCEPTABLE PIECES AND PLACEMENT WITHIN UNCLASSIFIED FILL AREAS AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER. **WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.**

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA," (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES MEETS THE DESIGN REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002, SEPTEMBER 2013.

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY DIRECT SUPERVISION.

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

NOTE:
THE TMDL IMPLEMENTATION PLANS FOR FECAL COLIFORM AND SEDIMENT FOR NORTH FORK PEACHTREE CREEK WERE FINALIZED IN DECEMBER 2014 AND SEPTEMBER 2009, RESPECTIVELY. COMPLIANCE WITH THE GEORGIA EROSION AND SEDIMENTATION ACT (GESA) WILL ENSURE THAT POLLUTANT LOADINGS FROM THE CONSTRUCTION SITE WILL BE AT OR BELOW APPLICABLE TMDL IMPLEMENTATION PLAN TARGETS FOR FECAL COLIFORM AND SEDIMENT (BIO F AND BIO M)..

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMPs, AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV.A.5. WITHIN 7 DAYS AFTER INSTALLATION.

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
THE LOCATION OF UTILITIES ARE SHOWN FROM FIELD EVIDENCE.
OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
BEFORE CONSTRUCTION IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATOR INVESTIGATE ALL UNDERGROUND UTILITIES.

GSWCC
Russell Davis #24598
Expires 12/01/2018

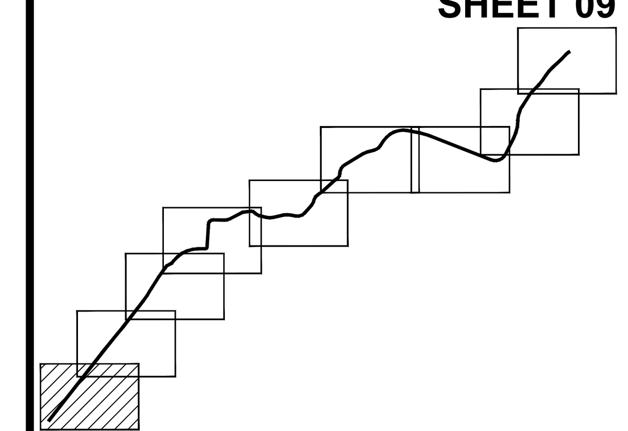
24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

GRAPHIC SCALE
30' 0 15' 30' 60' 120'
(IN FEET)
1 inch = 30 feet

KAIZENCOLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

RUSSELL DAVIS & ASSOCIATES, INC.
CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com

SHEET 09



SHEET 01

Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #: 2017 - 116
PROJECT MANAGER: GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED No. 20672 PROFESSIONAL ENGINEER RUSSELL E. DAVIS
09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

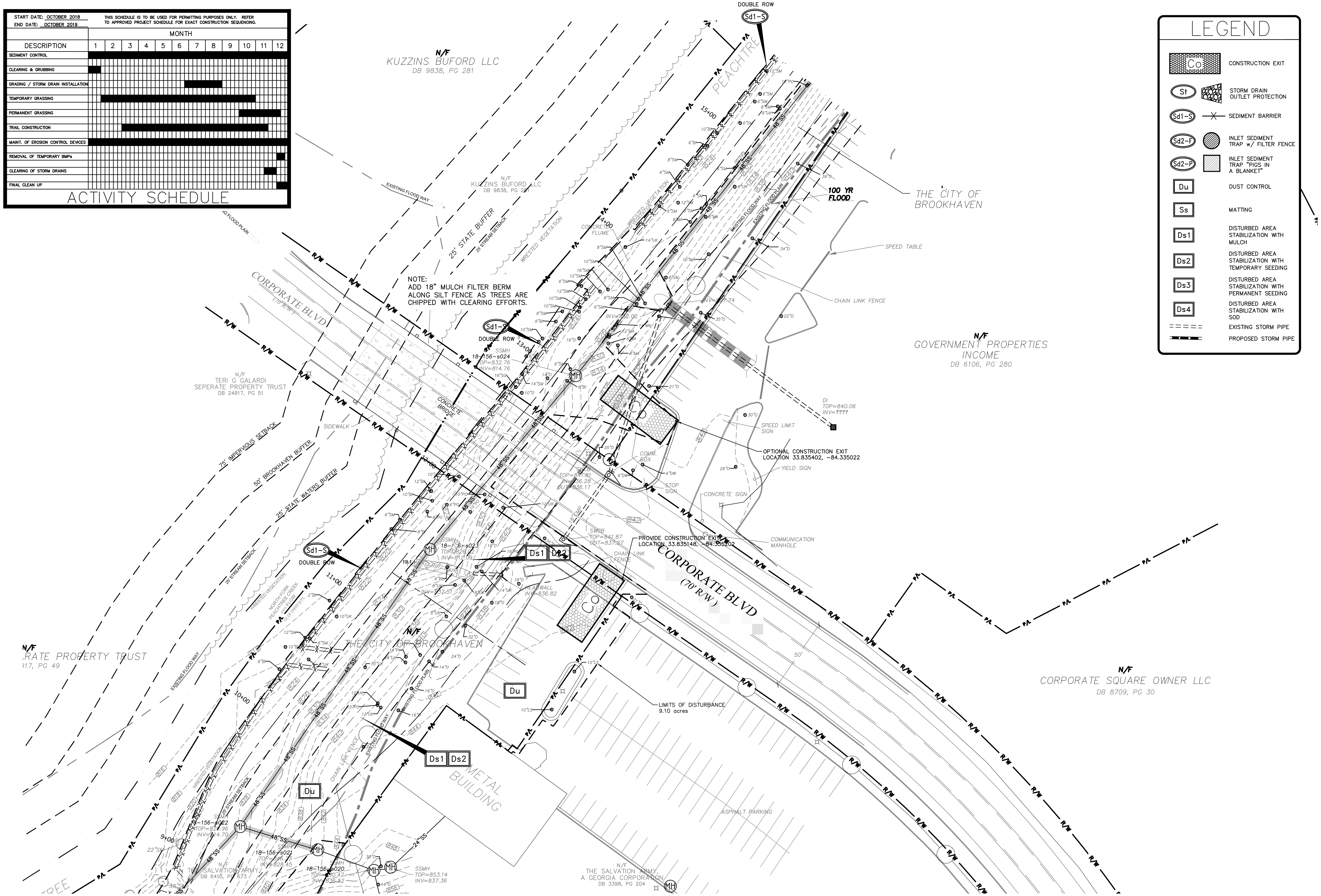
SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: EC-01

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	X	X	X	X	X	X	X	X	X	X	X	X
CLEARING & GRUBBING	X											
GRADING / STORM DRAIN INSTALLATION						X	X	X				
TEMPORARY GRASSING	X	X	X	X	X	X	X	X	X	X		
PERMANENT GRASSING										X	X	X
TRAIL CONSTRUCTION			X	X	X	X	X	X	X	X	X	
MAINT. OF EROSION CONTROL DEVICES	X	X	X	X	X	X	X	X	X	X	X	X
REMOVAL OF TEMPORARY BMPs												X
CLEARING OF STORM DRAINS											X	X
FINAL CLEAN UP												X

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMPs, AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV.A.5. WITHIN 7 DAYS AFTER INSTALLATION.

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

GRAPHIC SCALE
30' 0 15' 30' 60' 120'
(IN FEET)
1 inch = 30 feet

KAIZENCOLLABORATIVE
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CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com

SHEET 09
SHEET 01
Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT # 2017 - 116
PROJECT MANAGER GGD

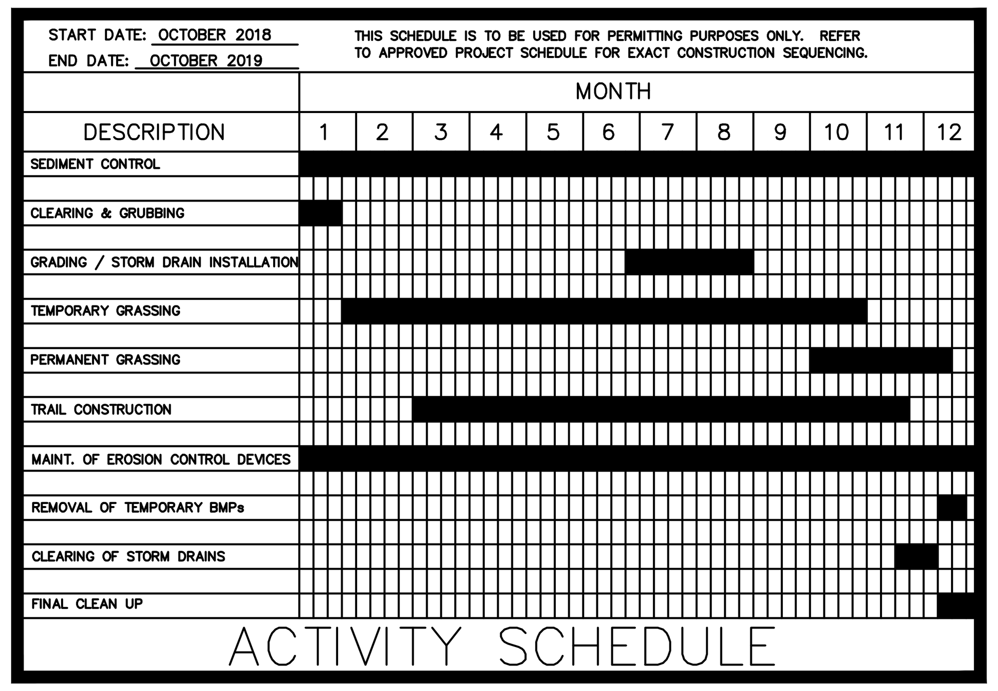
PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS 09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: **EC-02**



LEGEND

- Co — CONSTRUCTION EXIT
- St — STORM DRAIN OUTLET PROTECTION
- Sd1-S — SEDIMENT BARRIER
- Sd2-F — INLET SEDIMENT TRAP w/ FILTER FENCE
- Sd2-P — INLET SEDIMENT TRAP "PIGS IN A BLANKET"
- Du — DUST CONTROL
- Ss — MATTING
- Ds1 — DISTURBED AREA STABILIZATION WITH MULCH
- Ds2 — DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
- Ds3 — DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
- Ds4 — DISTURBED AREA STABILIZATION WITH SOD
- EXISTING STORM PIPE
- PROPOSED STORM PIPE

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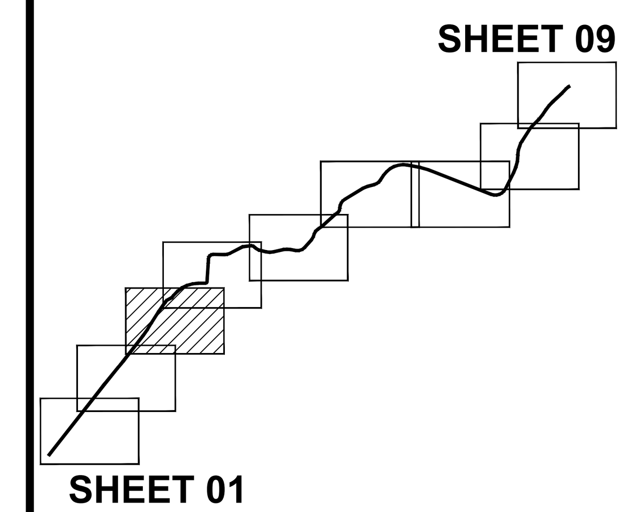
RD&A



Key Map north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS 09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-03

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

GRAPHIC SCALE

30' 0 15' 30' 60' 120'

(IN FEET)
1 inch = 30 feet

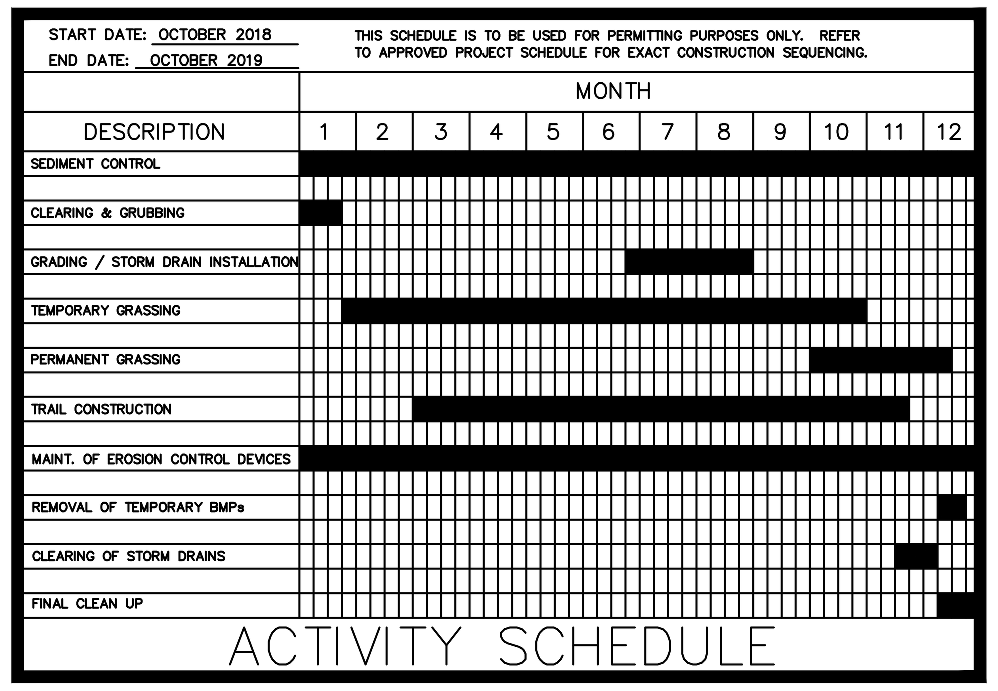
THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

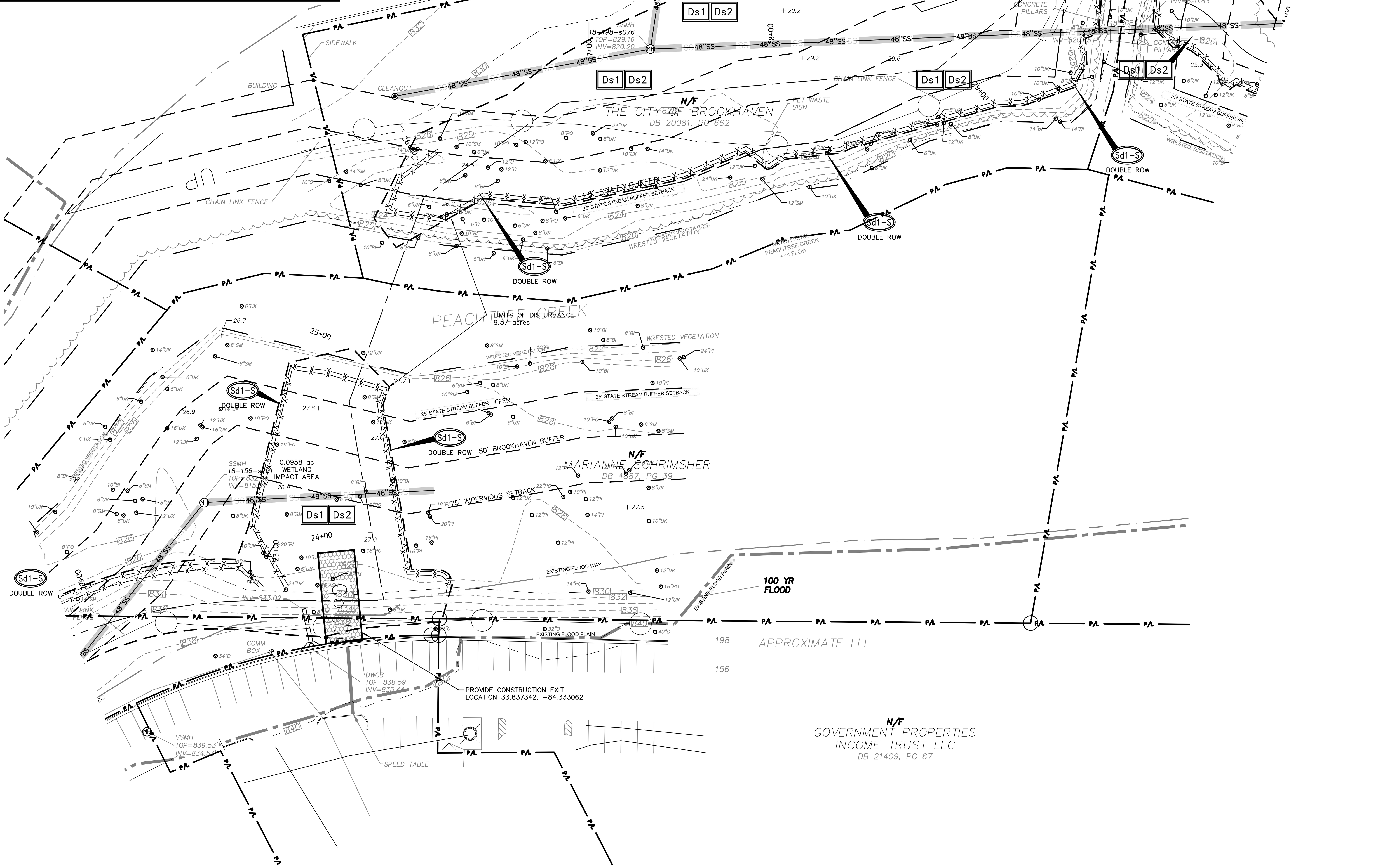
RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

811
UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
THE LOCATION OF UTILITIES ARE SHOWN FROM FIELD EVIDENCE.
OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
BEFORE CONSTRUCTION IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATOR INVESTIGATE ALL UNDERGROUND UTILITIES.





LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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(m) 404-433-1900 Jonathan@pathfoundation.org

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RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

KAIZENCOLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

RUSSELL DAVIS & ASSOCIATES, INC.
CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com

SHEET 09

SHEET 01

Key Map

north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 25612 RUSSELL E. DAVIS
09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

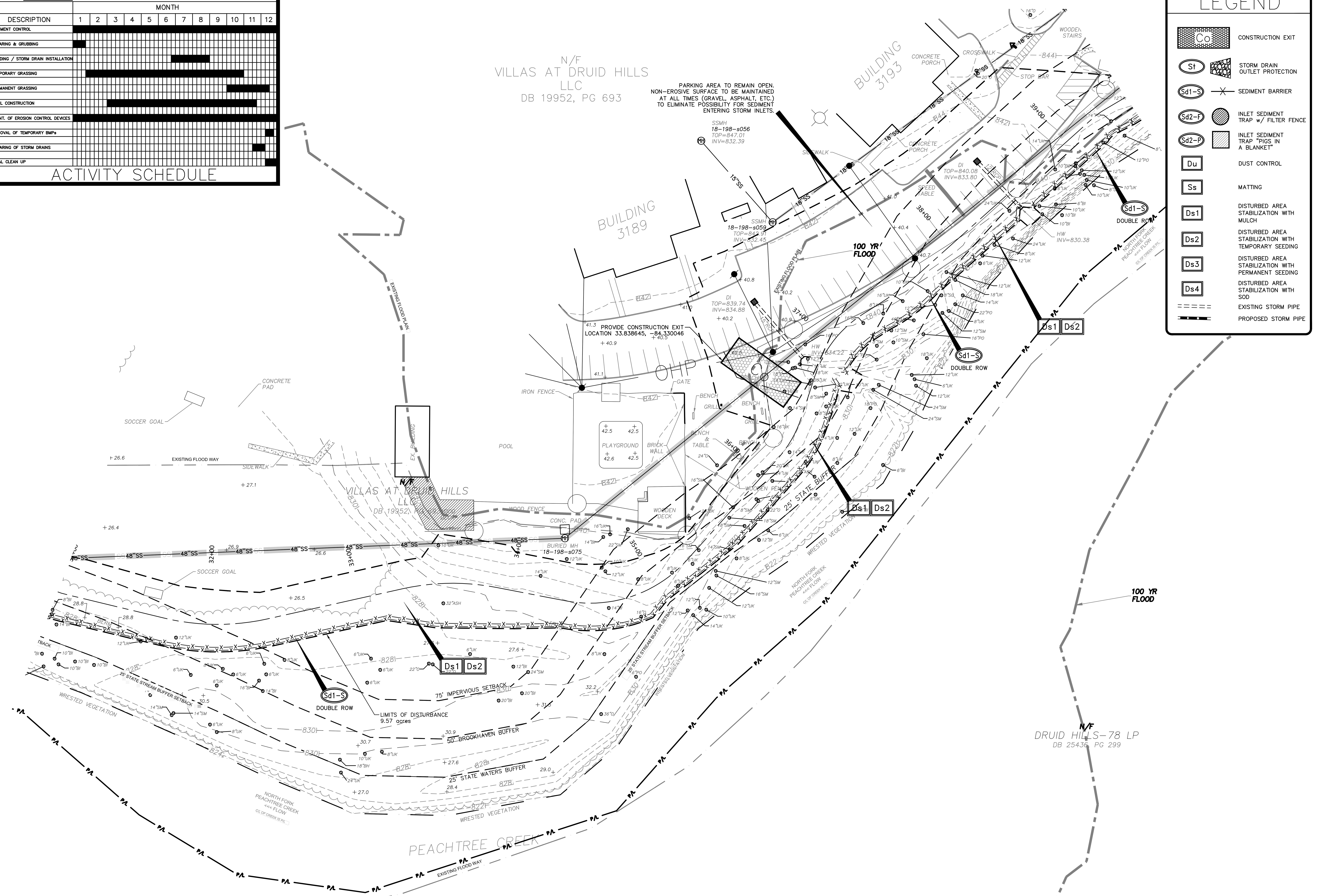
SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-04

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	MONTH 1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
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Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
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LEVEL 1 CERT #58893 ~ EXP 08/17/2021
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GSWCC # 0000024598
EXPIRES: 12/01/2018

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russdavispe.com
RD&A

SHEET 09

SHEET 01

Key Map

north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED No. 26672 PROFESSIONAL ENGINEER RUSSELL E. DAVIS
09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

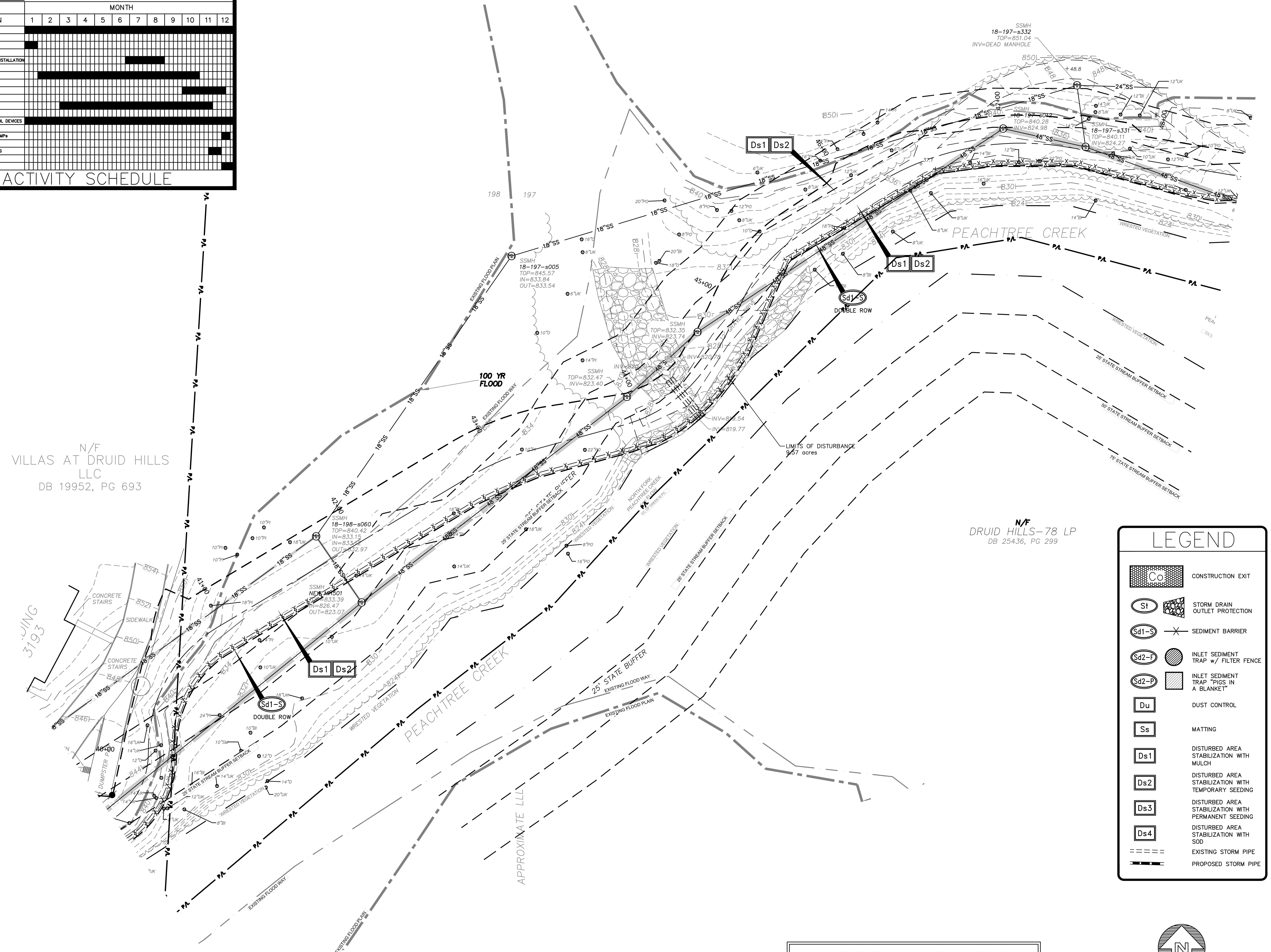
SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	**EC-05**

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

	MONTH											
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
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RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

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2390 Main Street | Tucker, GA 30084 | 404.239.2521

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russdavispe.com
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SHEET 09
SHEET 01
Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK
GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24598 RUSSELL E. DAVIS
09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

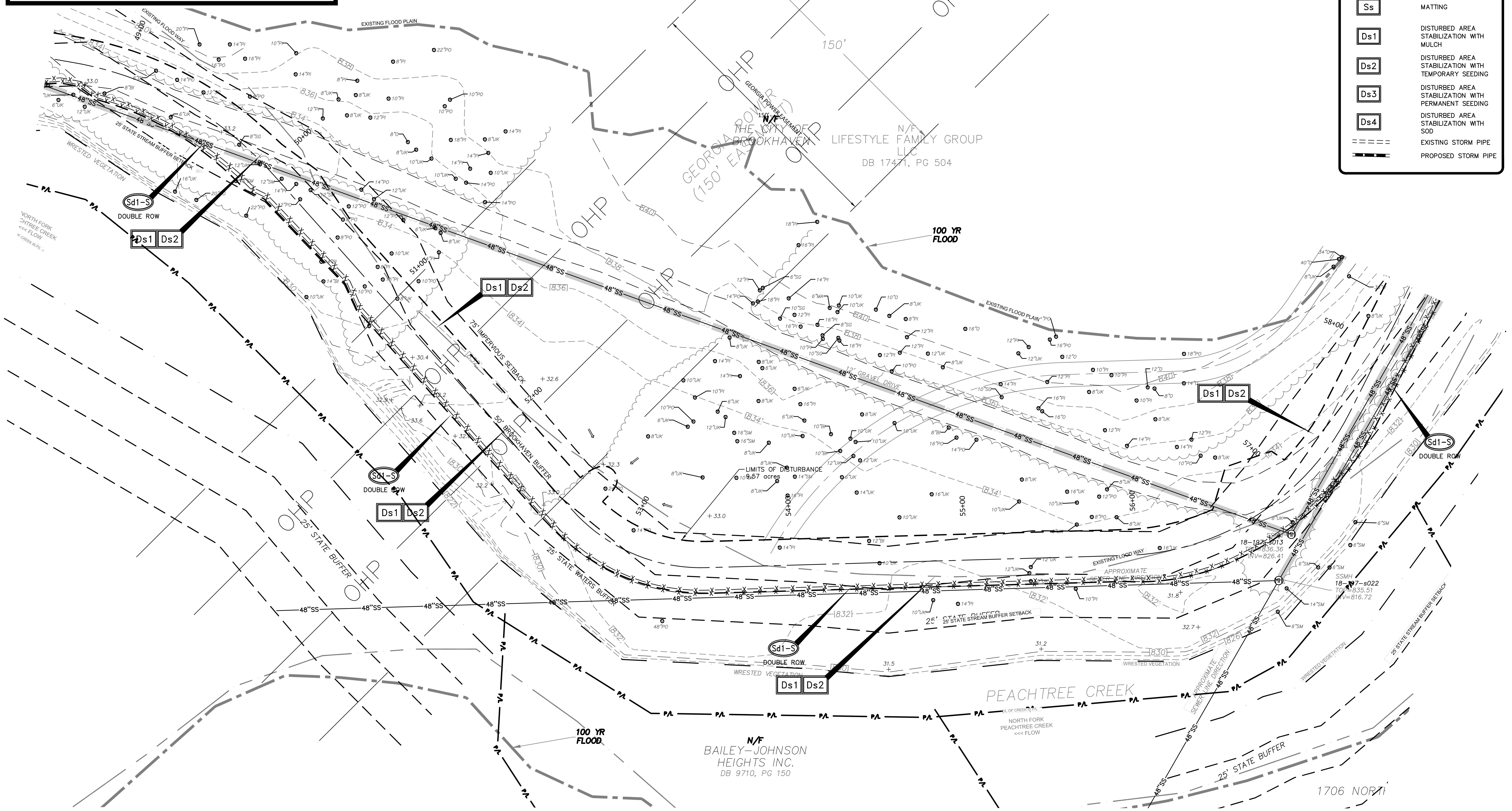
SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-06

ACTIVITY SCHEDULE

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	MONTH 1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	■
FINAL CLEAN UP												■



LEGEND

- Co — CONSTRUCTION EXIT
- St — STORM DRAIN OUTLET PROTECTION
- Sd1-S — SEDIMENT BARRIER
- Sd2-F — INLET SEDIMENT TRAP w/ FILTER FENCE
- Sd2-P — INLET SEDIMENT TRAP "PIGS IN A BLANKET"
- Du — DUST CONTROL
- Ss — MATTING
- Ds1 — DISTURBED AREA STABILIZATION WITH MULCH
- Ds2 — DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
- Ds3 — DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
- Ds4 — DISTURBED AREA STABILIZATION WITH SOD
- EXISTING STORM PIPE
- PROPOSED STORM PIPE

KAIZENCOLLABORATIVE
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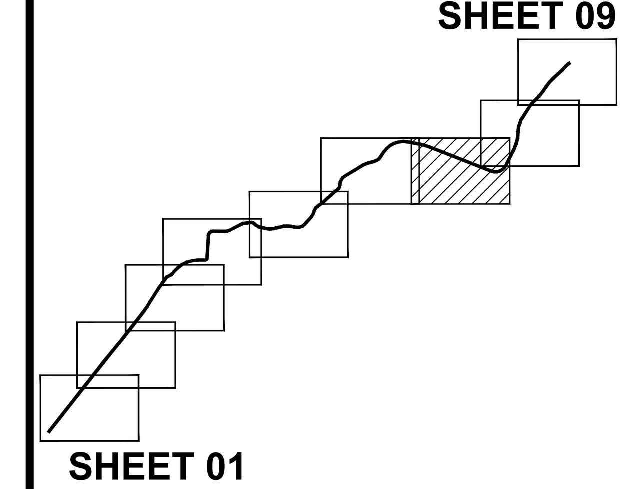

Key Map north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED No. 26672 PROFESSIONAL ENGINEER RUSSELL E. DAVIS
09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	**EC-07**

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

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Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

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RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

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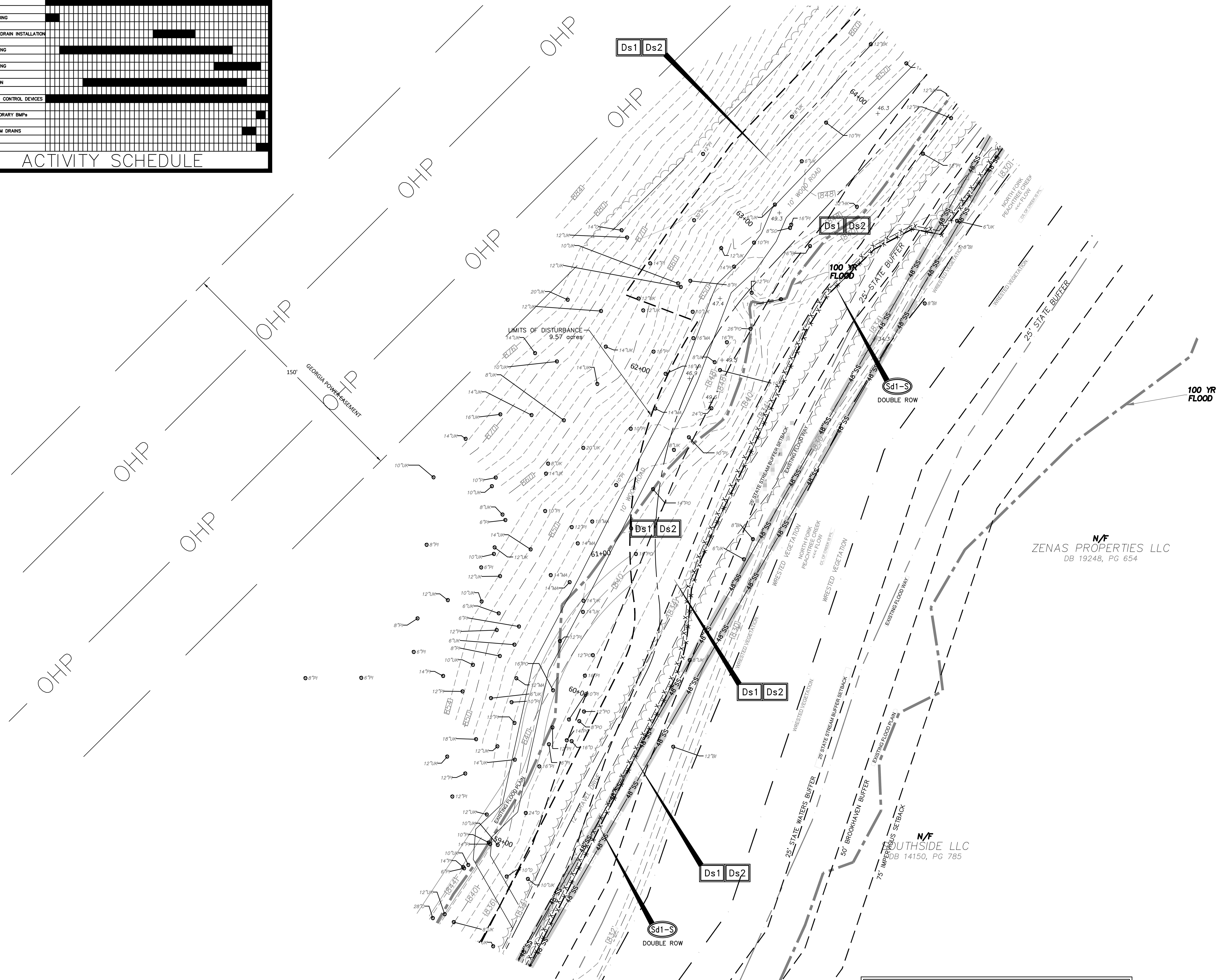
DESCRIPTION	MONTH 1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
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Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

KAIZENCOLLABORATIVE
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russdavispe.com
RD&A

SHEET 09
SHEET 01
Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS
09/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-08

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EXPIRES: 12/01/2018

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Russell Davis #24598
Expires 12/01/2018

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START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

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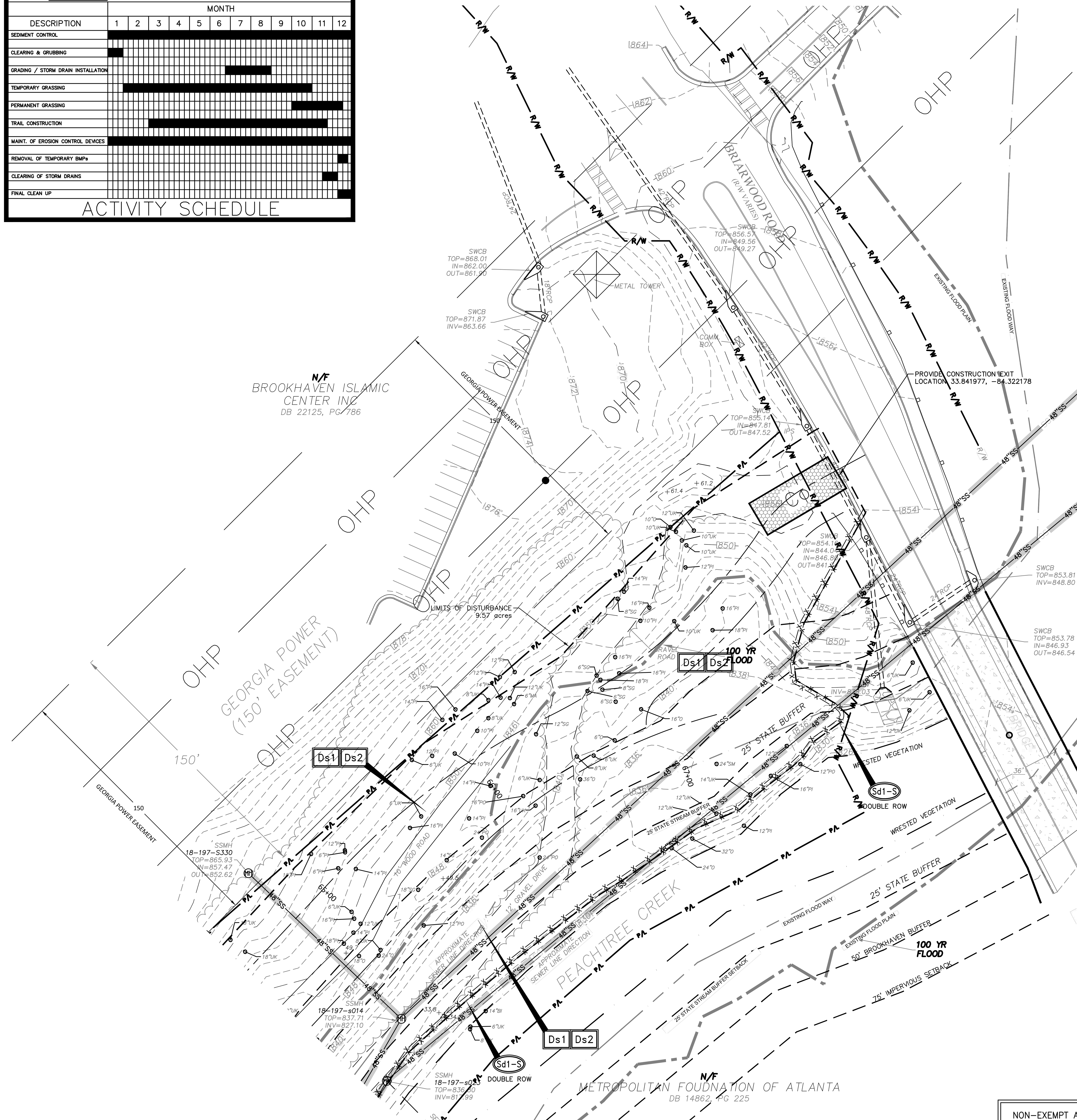
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	■
FINAL CLEAN UP												■

ACTIVITY SCHEDULE



LEGEND

Co		CONSTRUCTION EXIT
St		STORM DRAIN OUTLET PROTECTION
Sd1-S		SEDIMENT BARRIER
Sd2-F		INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P		INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du		DUST CONTROL
Ss		MATTING
Ds1		DISTURBED AREA STABILIZATION WITH MULCH
Ds2		DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3		DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4		DISTURBED AREA STABILIZATION WITH SOD
		EXISTING STORM PIPE
		PROPOSED STORM PIPE

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RD&A

SHEET 09

SHEET 01

Key Map

north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS 9/19/2017

INITIAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-09

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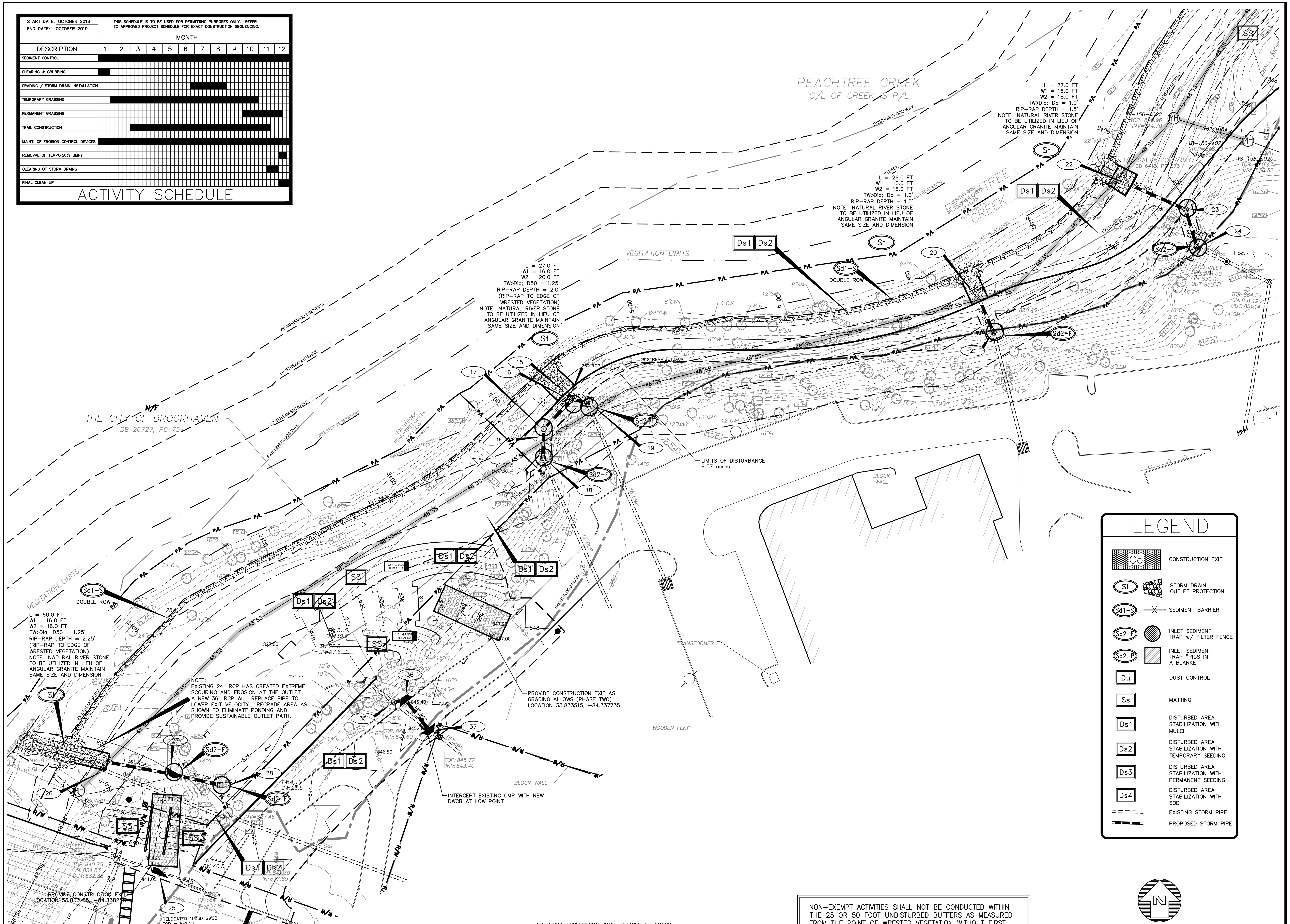
MONTH
DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 12
SEDIMENT CONTROL
CLEARING & GRUBBING
GRADING / STORM DRAIN INSTALLATION
TEMPORARY GRASSING
PERMANENT GRASSING
TRAIL CONSTRUCTION
MAINT. OF EROSION CONTROL DEVICES
REMOVAL OF TEMPORARY BMPs
CLEARING OF STORM DRAINS
FINAL CLEAN UP

ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
	PROPOSED STORM PIPE

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

GRAPHIC SCALE

30' 0 15' 30' 60' 120'

(IN FEET)
1 inch = 30 feet

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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

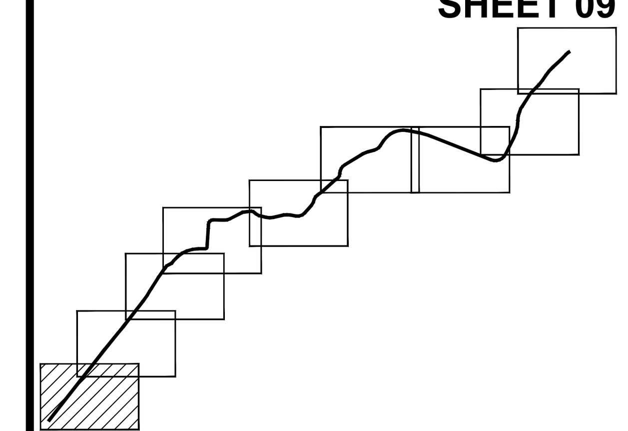
24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

KAIZENCOLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

RUSSELL DAVIS & ASSOCIATES, INC.
CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com



Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

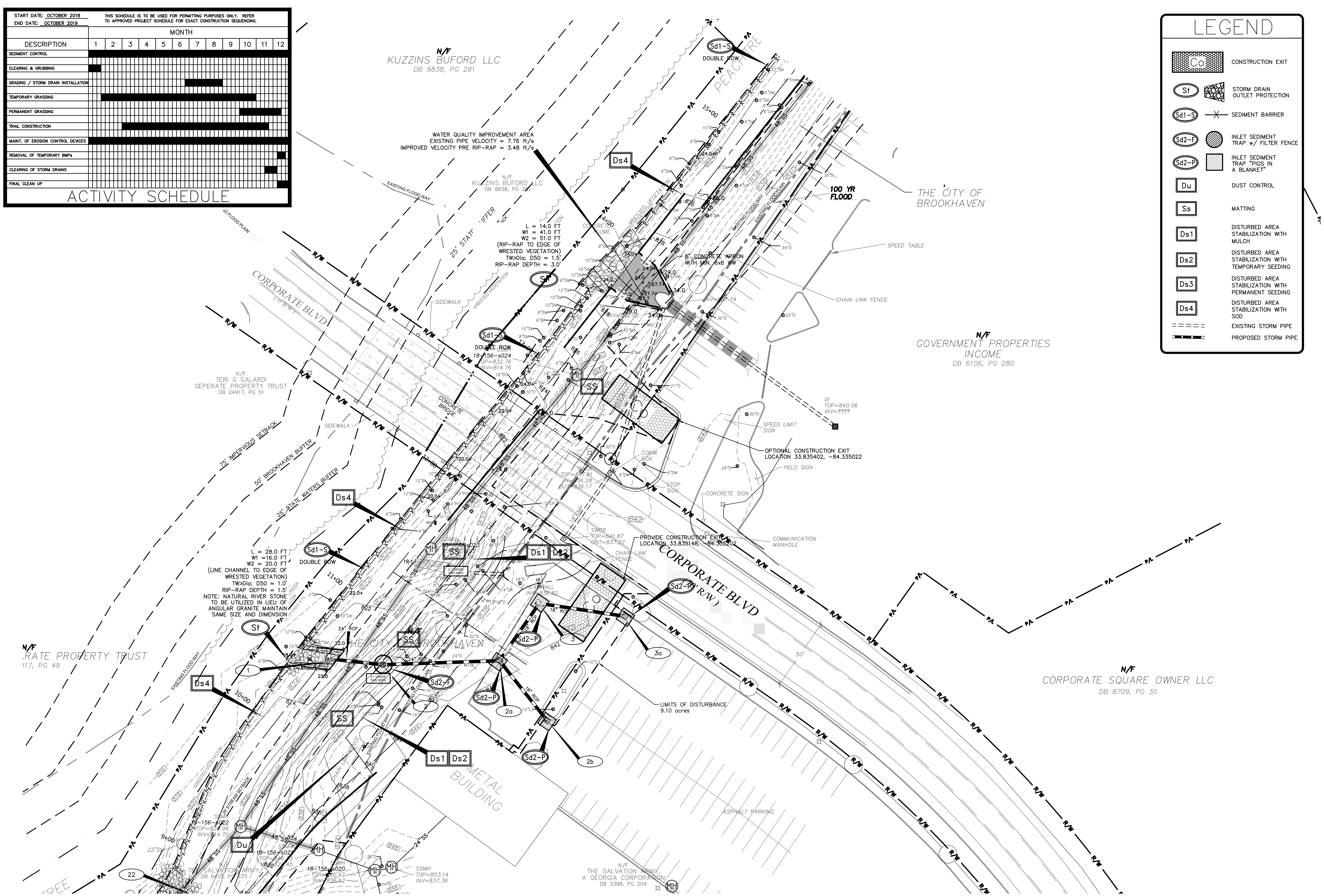
GEORGIA REGISTERED No. 26672 PROFESSIONAL ENGINEER RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-10

START DATE: OCTOBER 2018 END DATE: OCTOBER 2019	THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.											
	MONTH											
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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GRAPHIC SCALE

30' 0 15' 30' 60' 120'

(IN FEET)
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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

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RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

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2390 Main Street | Tucker, GA 30084 | 404.239.2521

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520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com
RD&A

SHEET 09

SHEET 01

Key Map

north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24598 RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-11

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	■
FINAL CLEAN UP												■

ACTIVITY SCHEDULE

LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
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Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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RD&A

SHEET 09

SHEET 01

Key Map

north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24598 RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-12

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UTILITIES PROTECTION CENTER, INC.
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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

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RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

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(IN FEET)
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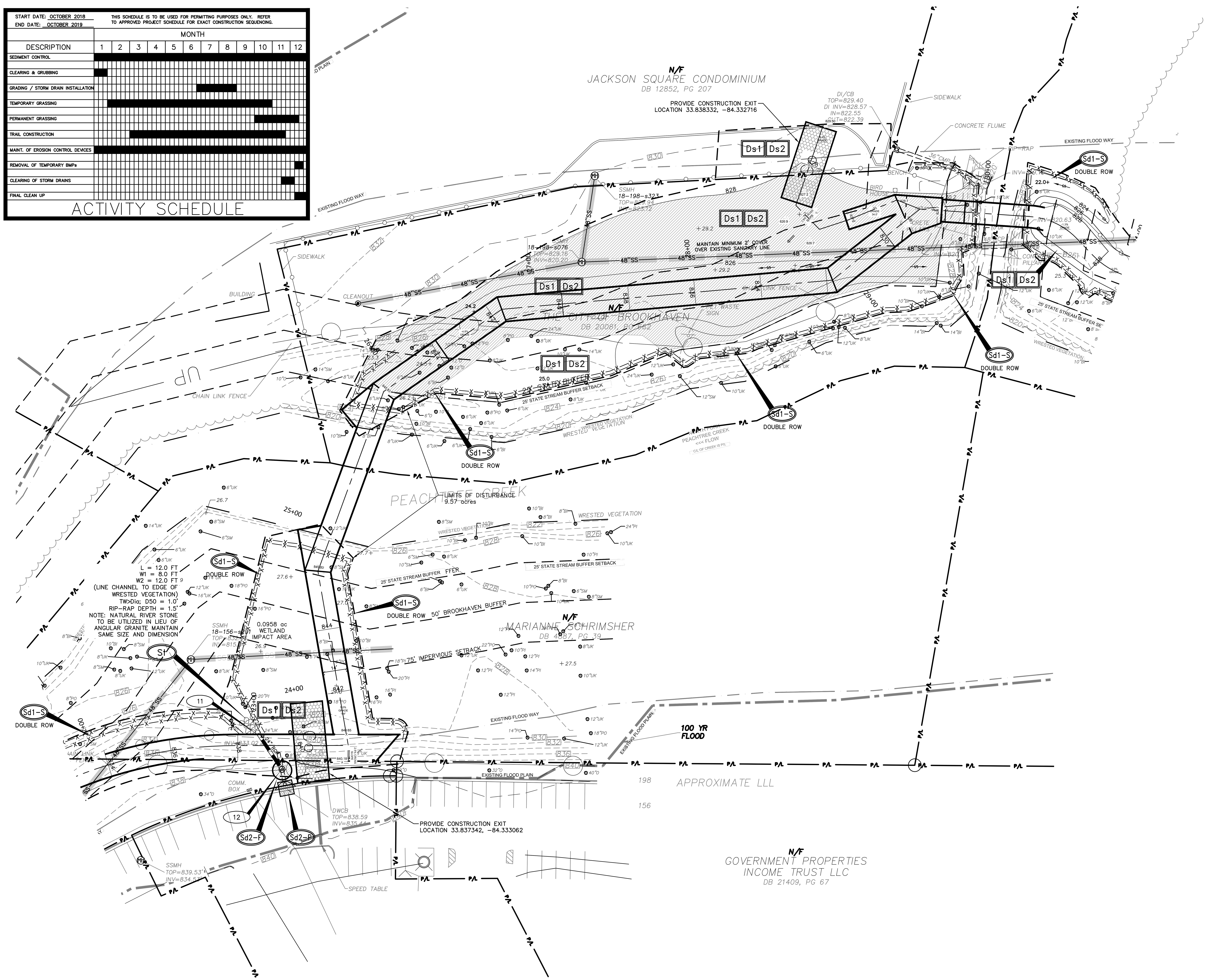
START DATE: OCTOBER 2018 END DATE: OCTOBER 2019	THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.											
	MONTH											
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	■
FINAL CLEAN UP												■

ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
▬▬▬	PROPOSED STORM PIPE

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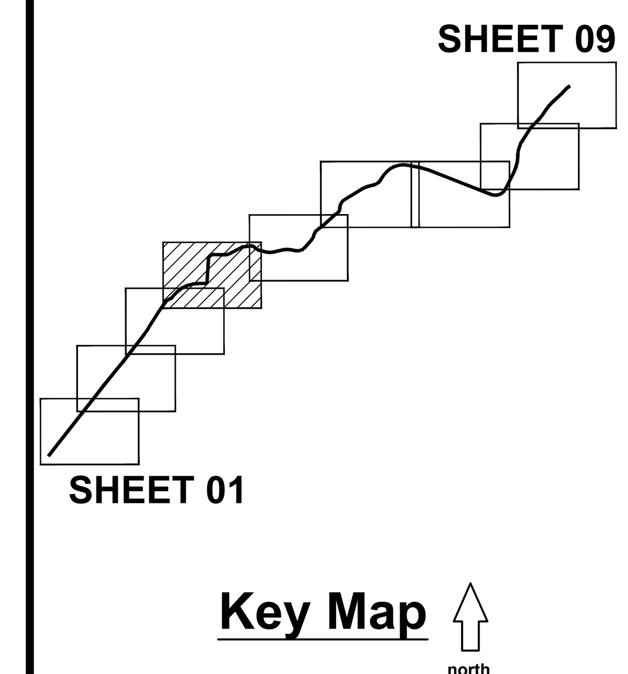
RD&A



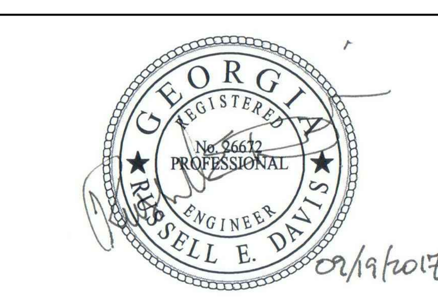
Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA



INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-13

UTILITIES PROTECTION CENTER, INC.
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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

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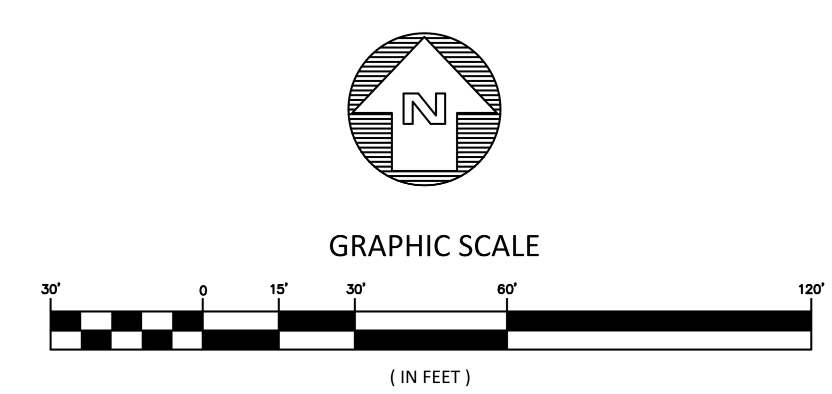
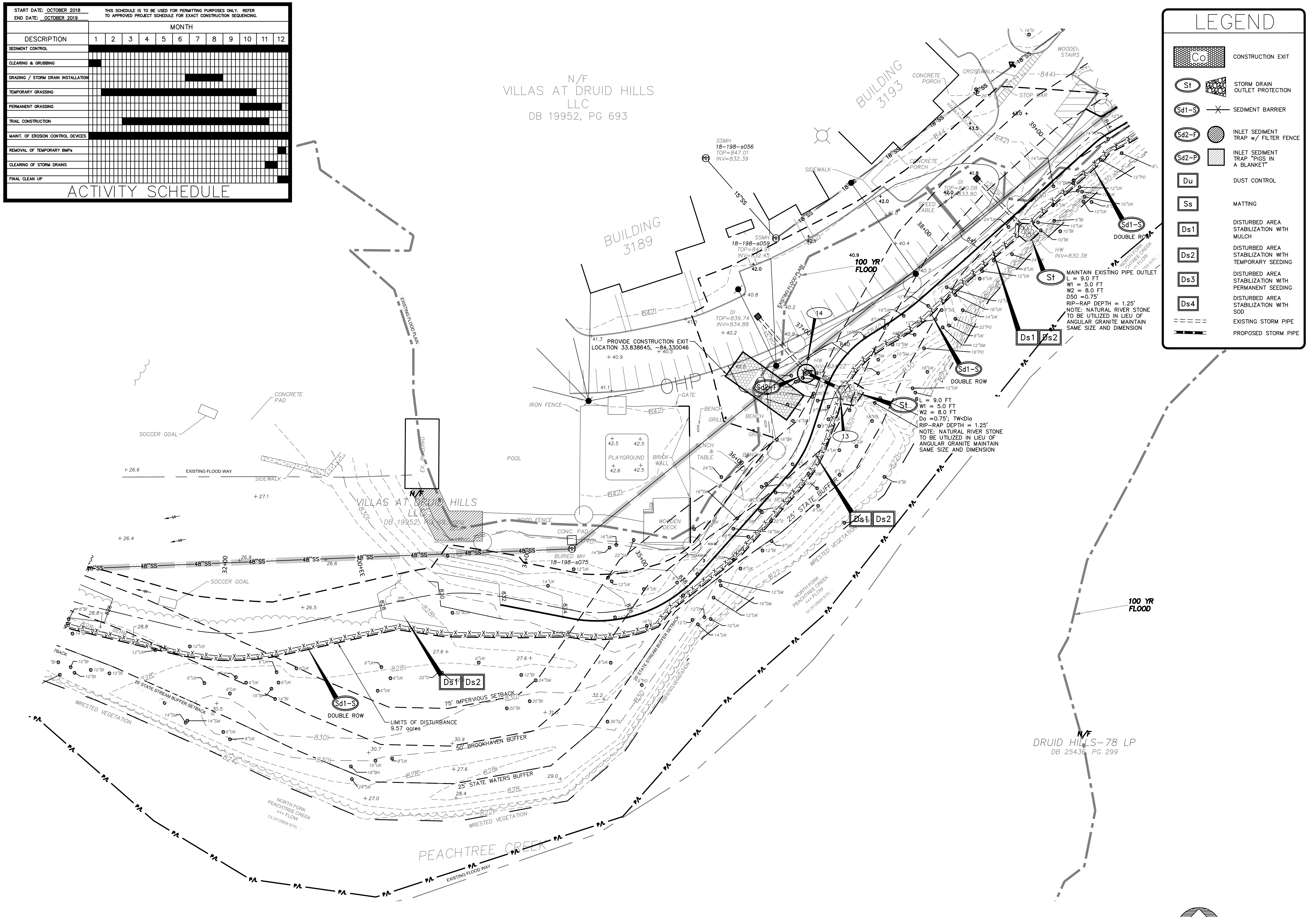


START DATE: OCTOBER 2018 END DATE: OCTOBER 2019	THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.											
	MONTH											
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
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	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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(IN FEET)
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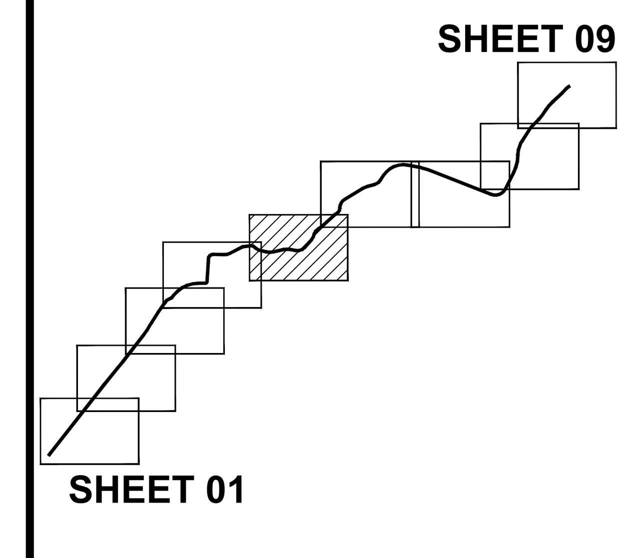

Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-14

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
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TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE

LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
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	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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EXPIRES: 12/01/2018

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russdavispe.com
RD&A

SHEET 09
SHEET 01
Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK
GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24602 RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE
EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-15

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	MONTH 1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
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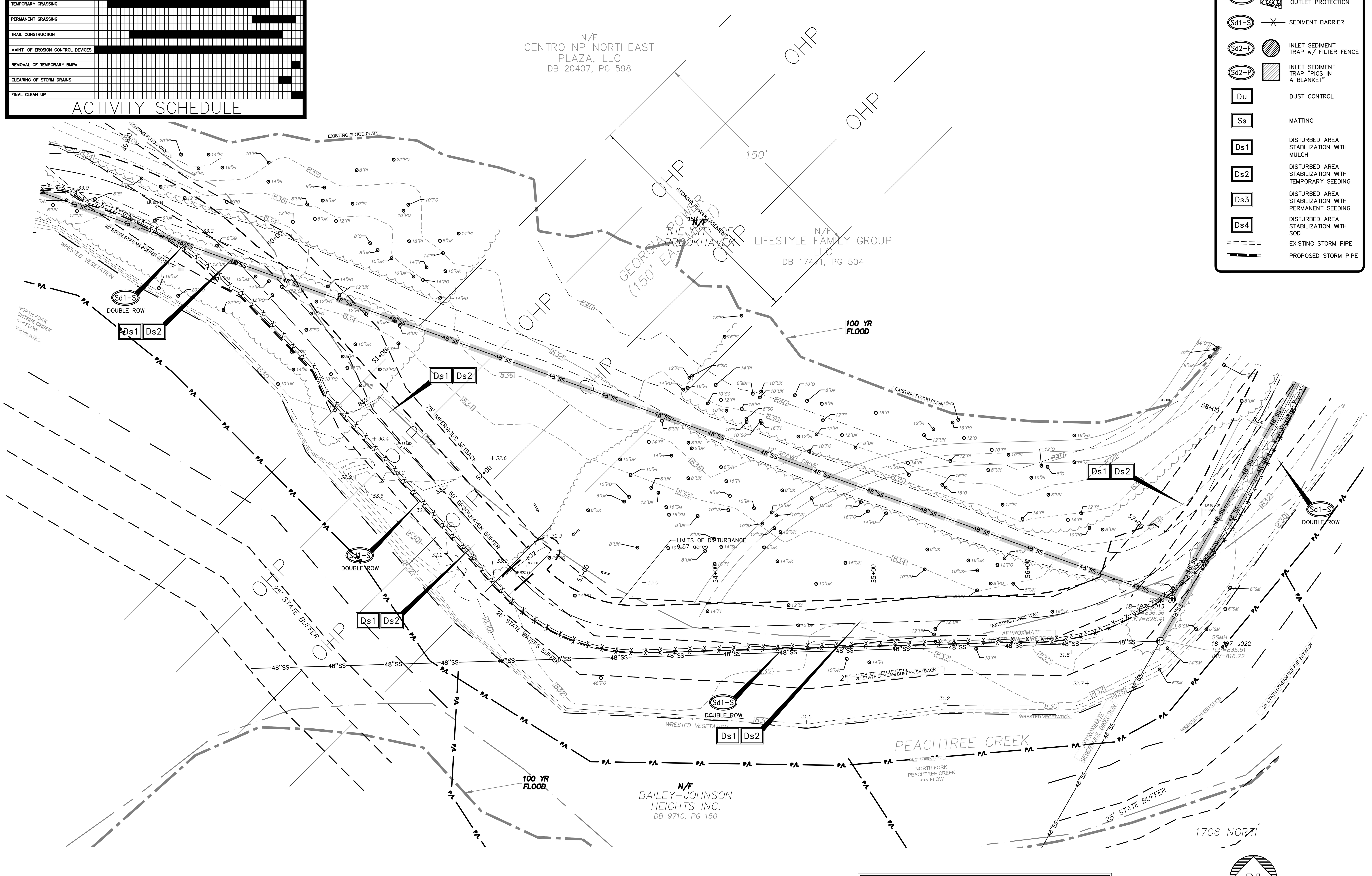
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1–S	SEDIMENT BARRIER
Sd2–F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2–P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

NON–EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

GRAPHIC SCALE

30' 0 15' 30' 60' 120'

(IN FEET)
1 inch = 30 feet

UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

KAIZEN COLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

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CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
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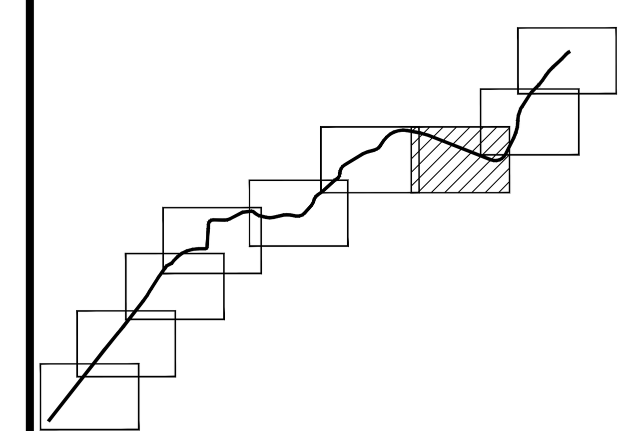
russdavispe.com



Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT # 2017 - 116
PROJECT MANAGER GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20632 RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

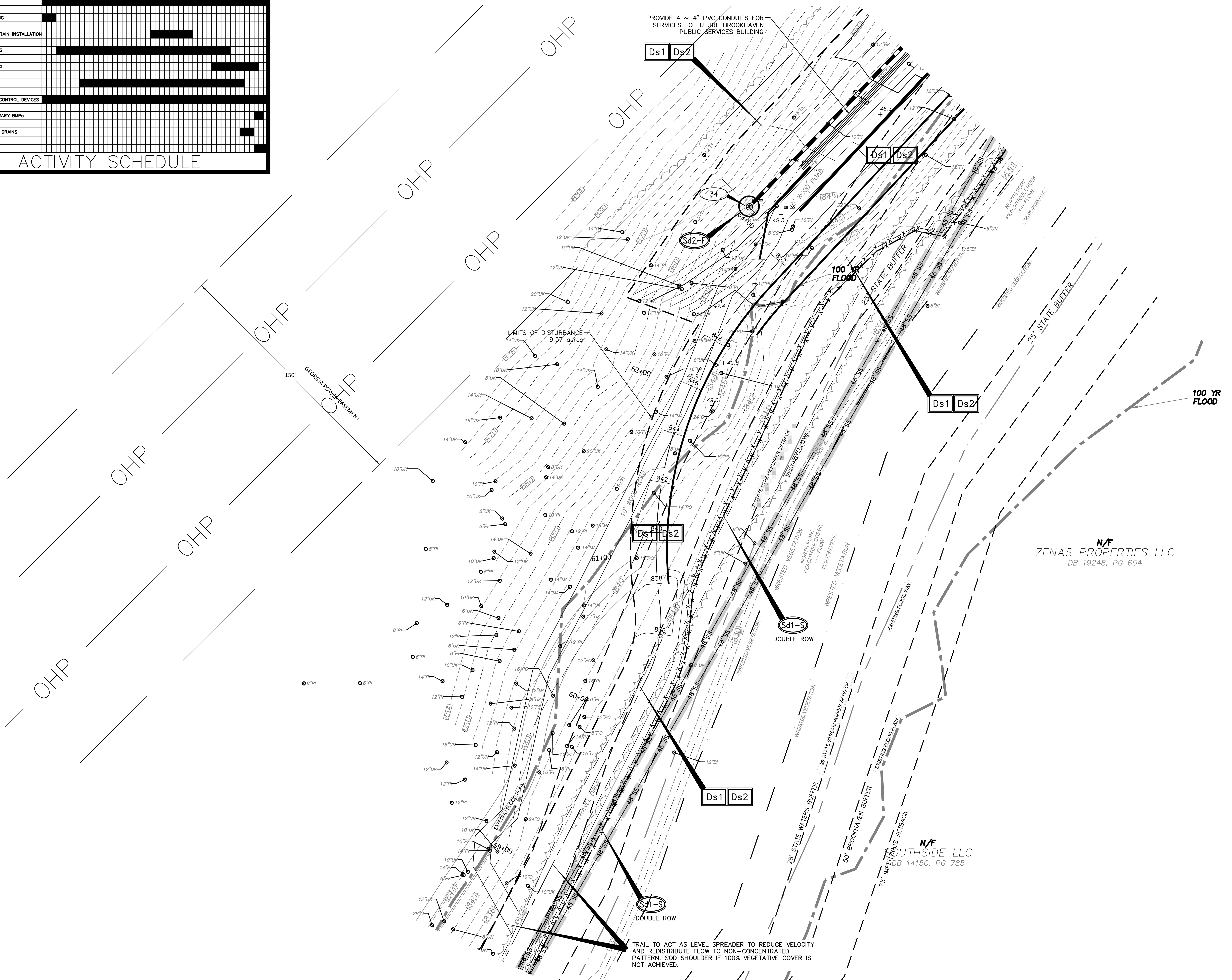
SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: EC-16

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	MONTH 1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	
FINAL CLEAN UP												■

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
▬▬▬	PROPOSED STORM PIPE

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GRAPHIC SCALE

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(IN FEET)
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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

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2390 Main Street | Tucker, GA 30084 | 404.239.2521

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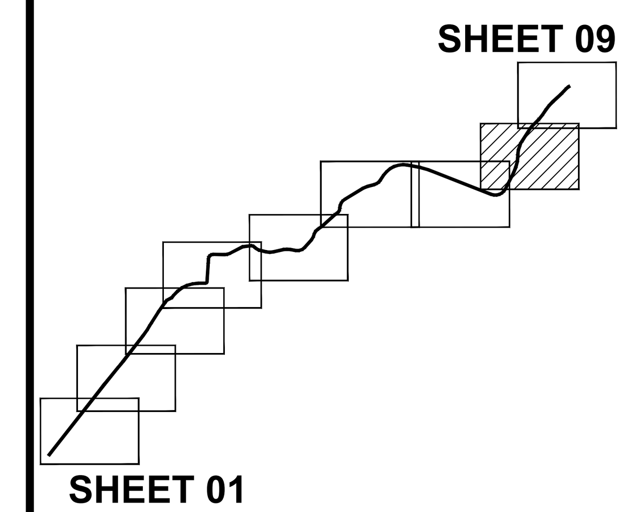
RD&A



Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED No. 26672 PROFESSIONAL ENGINEER RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

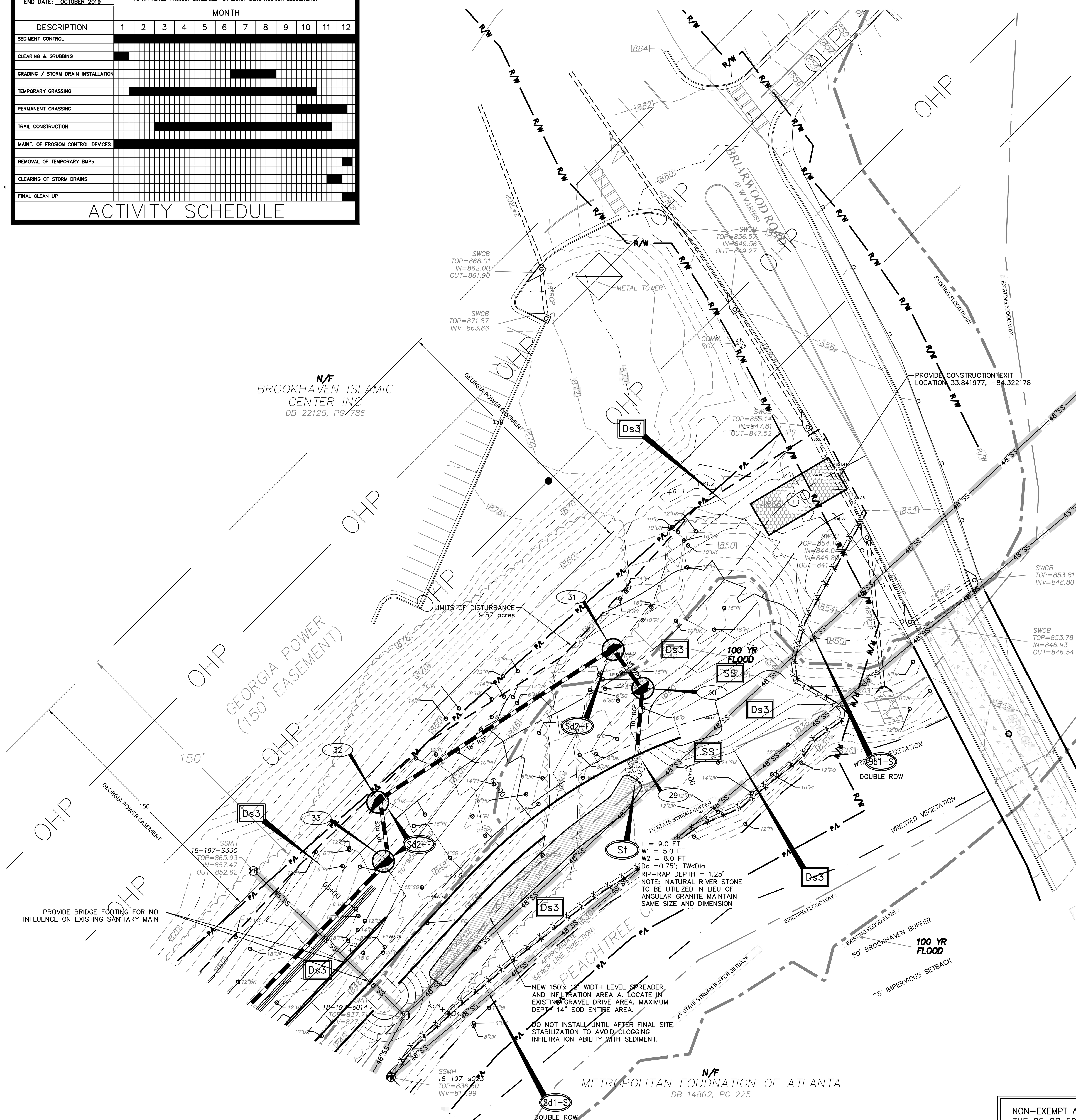
SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	**EC-17**

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	MONTH 1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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GRAPHIC SCALE
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Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

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RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

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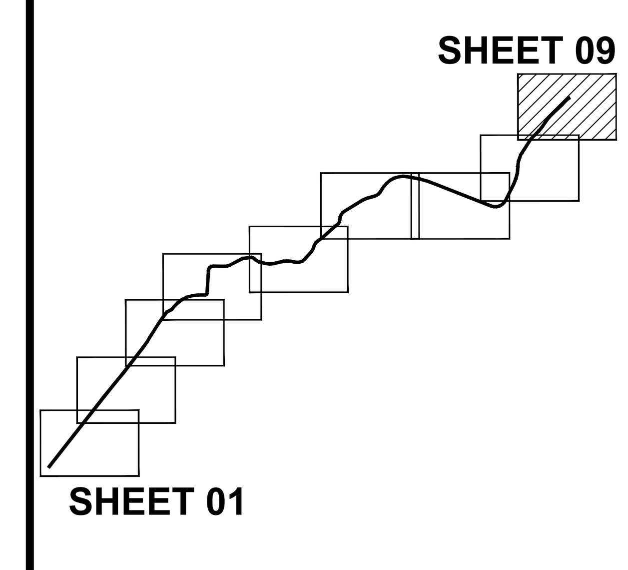


Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24598 RUSSELL E. DAVIS
09/19/2017

INTERMEDIATE PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

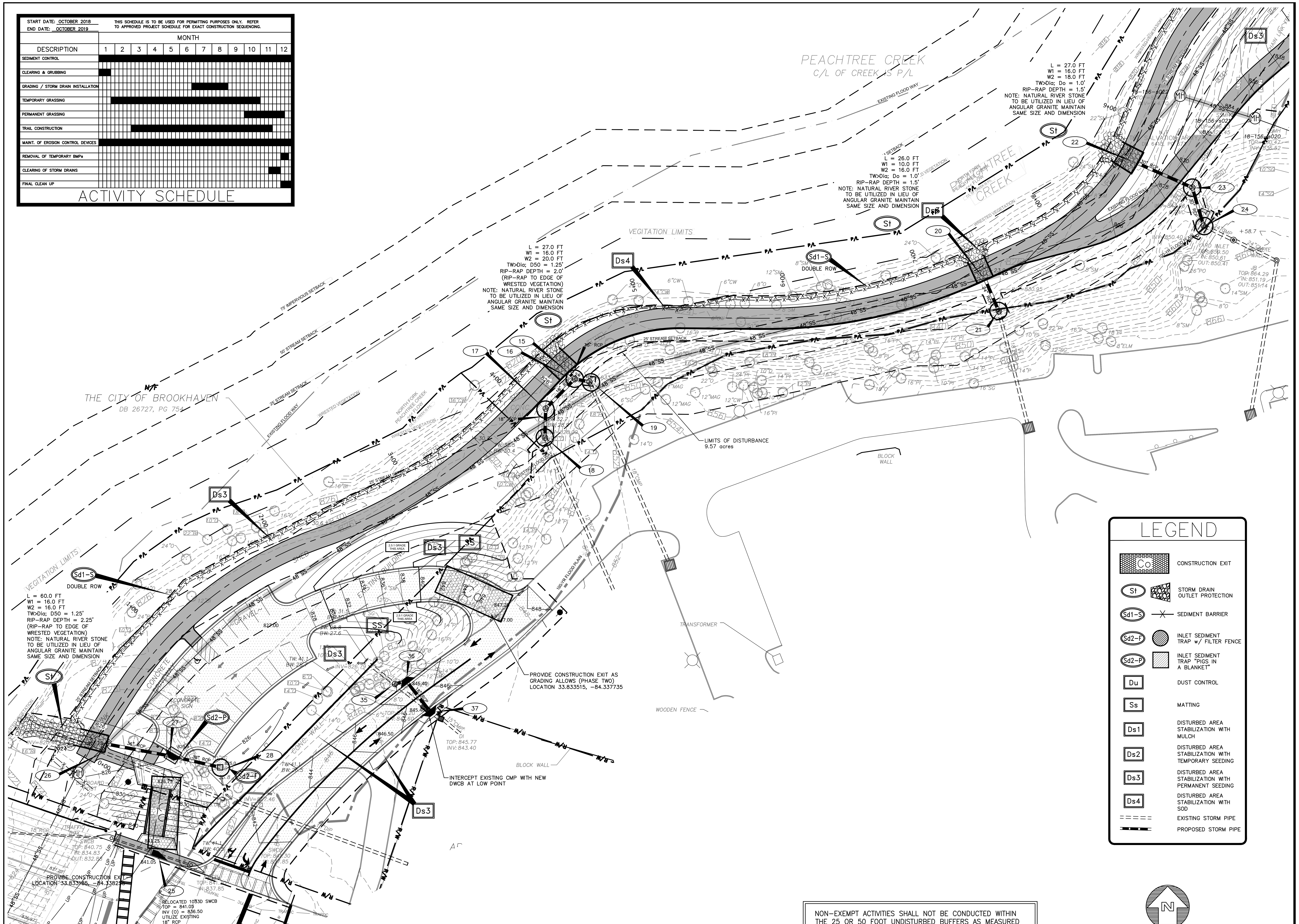
SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-18

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	X	X	X	X	X	X	X	X	X	X	X	X
CLEARING & GRUBBING	X											
GRADING / STORM DRAIN INSTALLATION						X	X	X				
TEMPORARY GRASSING	X	X	X	X	X	X	X	X	X	X		
PERMANENT GRASSING										X	X	X
TRAIL CONSTRUCTION			X	X	X	X	X	X	X	X	X	
MAINT. OF EROSION CONTROL DEVICES	X	X	X	X	X	X	X	X	X	X	X	X
REMOVAL OF TEMPORARY BMPs												X
CLEARING OF STORM DRAINS											X	X
FINAL CLEAN UP												X

ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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GRAPHIC SCALE

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(IN FEET)
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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

KAIZENCOLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

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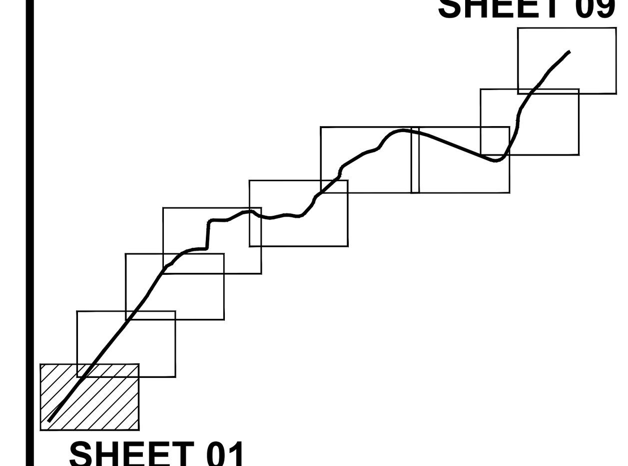

Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT # 2017 - 116
PROJECT MANAGER GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24598 RUSSELL E. DAVIS
09/19/2017

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: EC-19

START DATE: OCTOBER 2018 END DATE: OCTOBER 2019	THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.											
	MONTH											
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	■
FINAL CLEAN UP												■

ACTIVITY SCHEDULE

LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
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	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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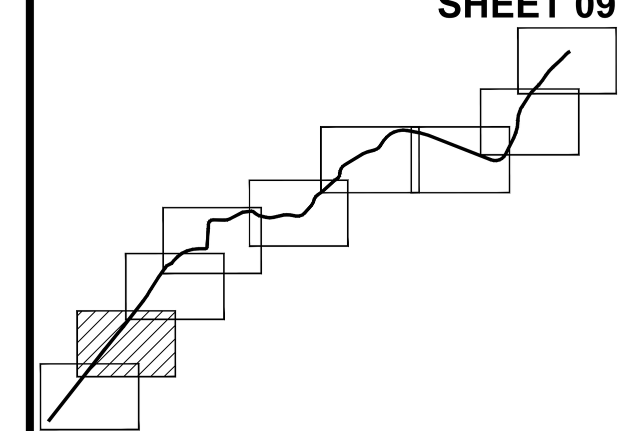

Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS
09/19/2017

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-20

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

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Russell Davis #24598
Expires 12/01/2018

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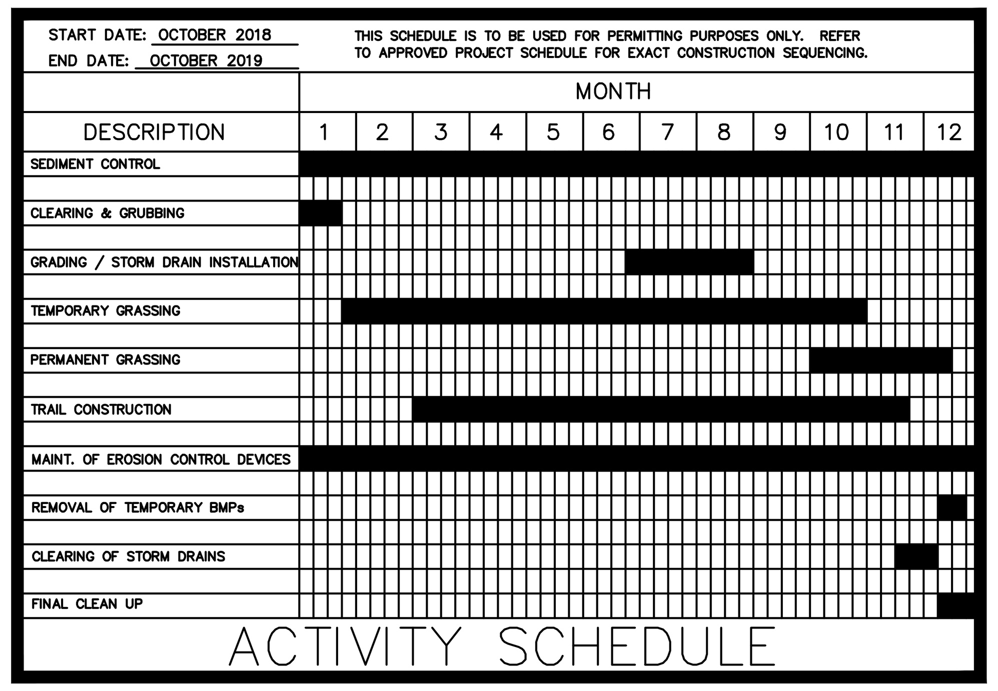
RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
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Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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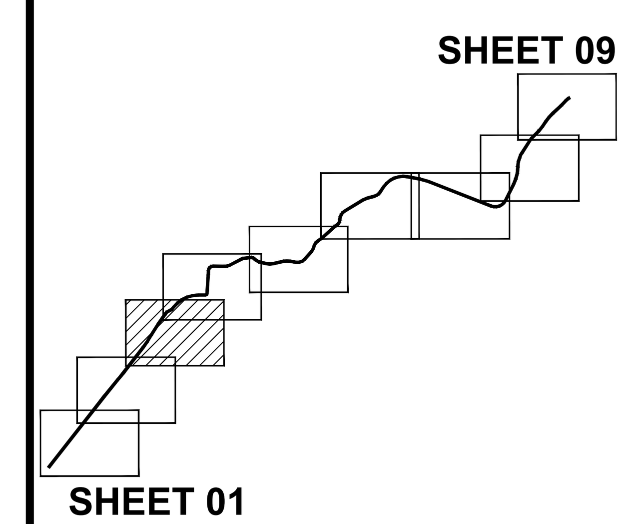


Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24612 RUSSELL E. DAVIS
09/19/2017

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

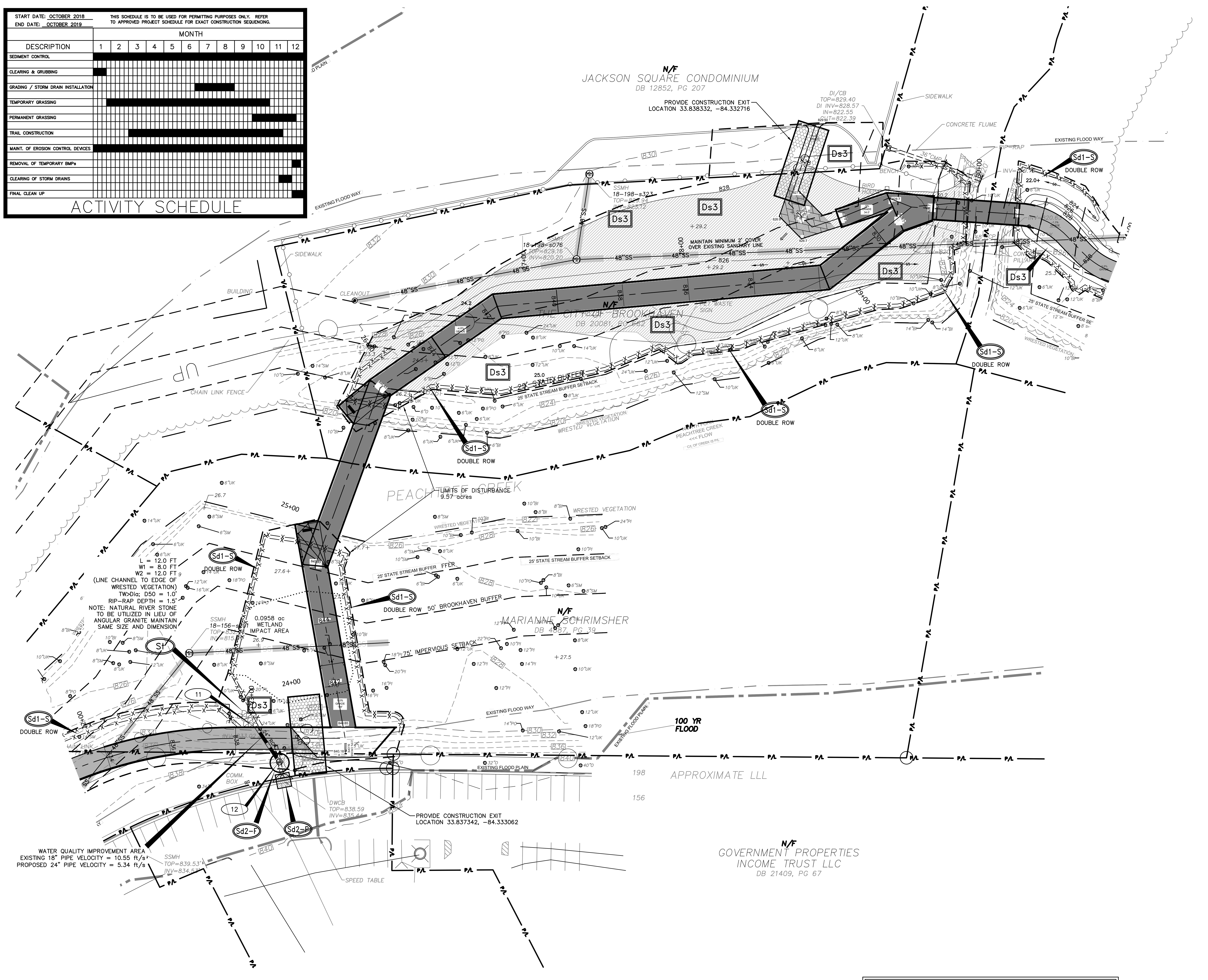
SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-21

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	
FINAL CLEAN UP												■

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
	EXISTING STORM PIPE
	PROPOSED STORM PIPE

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

GRAPHIC SCALE
30' 0 15' 30' 60' 120'
(IN FEET)
1 inch = 30 feet

811
UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
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GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

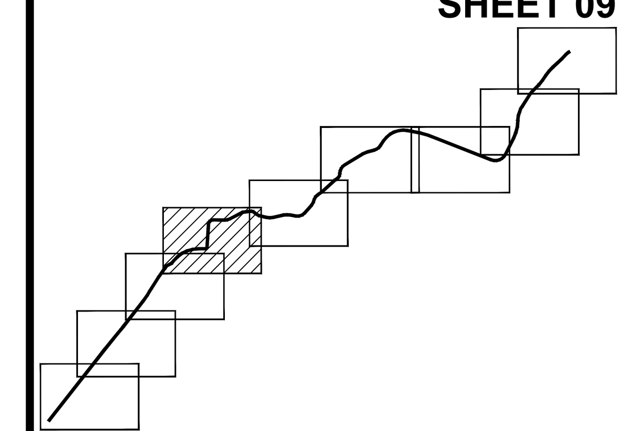
24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

KAIZENCOLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

RUSSELL DAVIS & ASSOCIATES, INC.
CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com
RD&A



Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

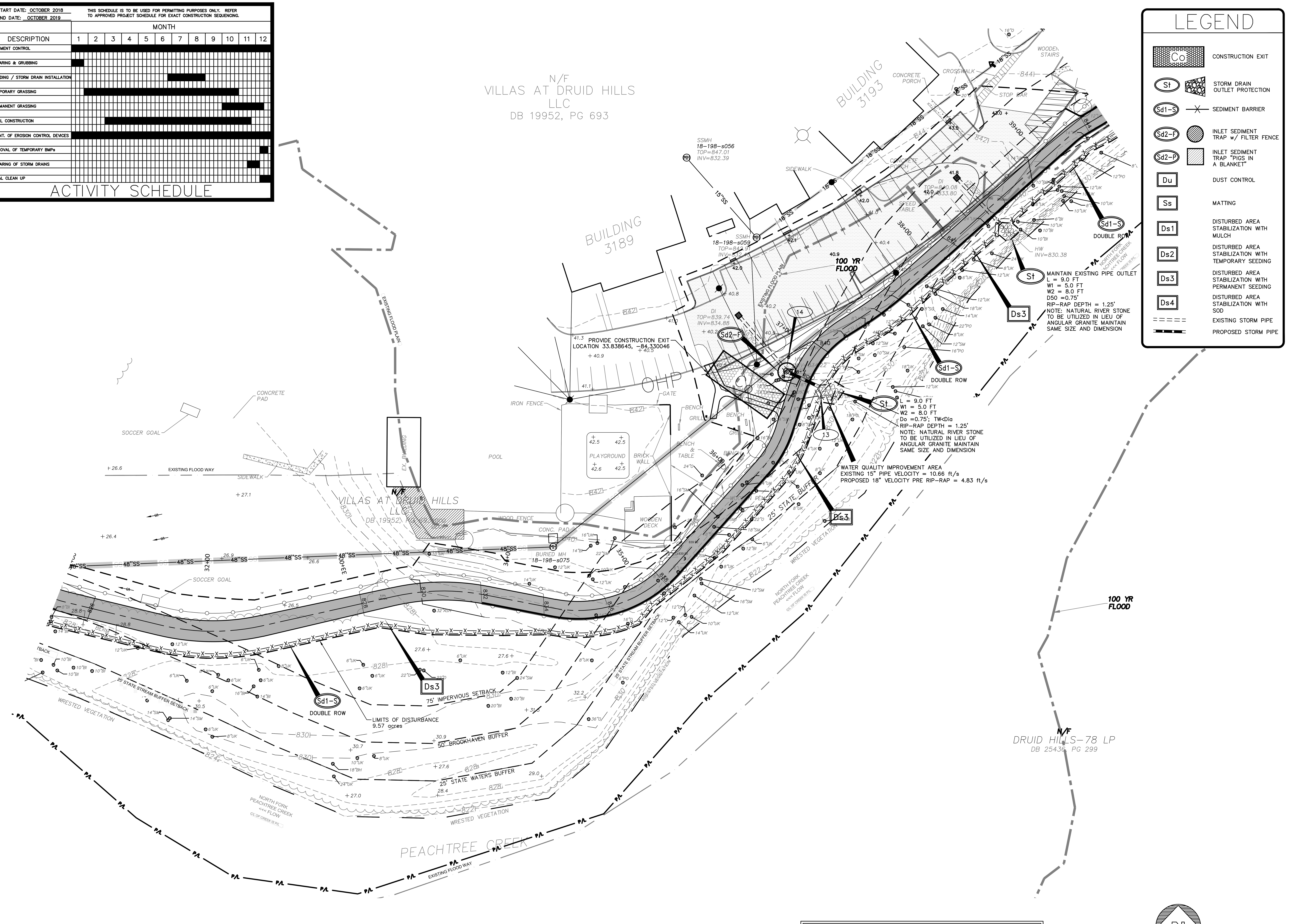
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20632 RUSSELL E. DAVIS
09/19/2017

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-22

START DATE: OCTOBER 2018 END DATE: OCTOBER 2019	THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.										
	MONTH											
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING
Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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Russell Davis #24598
Expires 12/01/2018

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RUSSELL E. DAVIS, P.E.
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EXPIRES: 12/01/2018

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GRAPHIC SCALE

30' 0 15' 30' 60' 120'

(IN FEET)
1 inch = 30 feet

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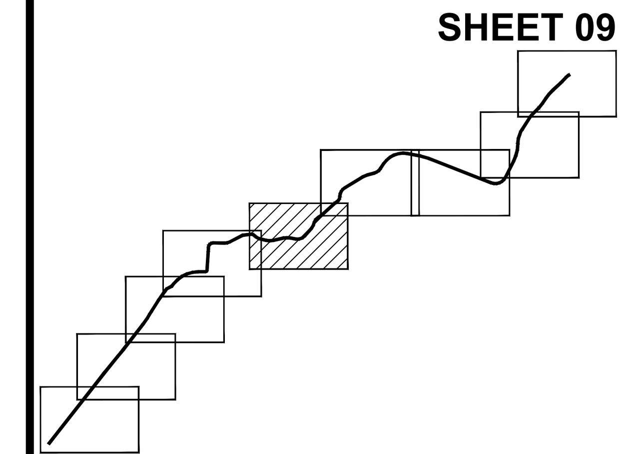


Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

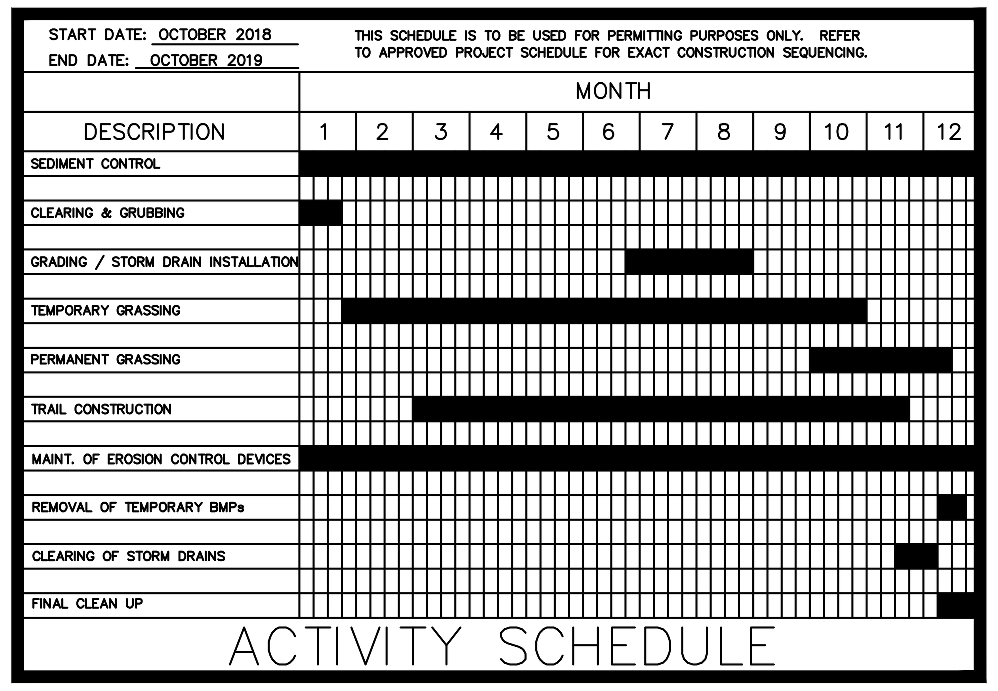
PEACHTREE CREEK
GREENWAY PHASE 1

DEKALB COUNTY, GA

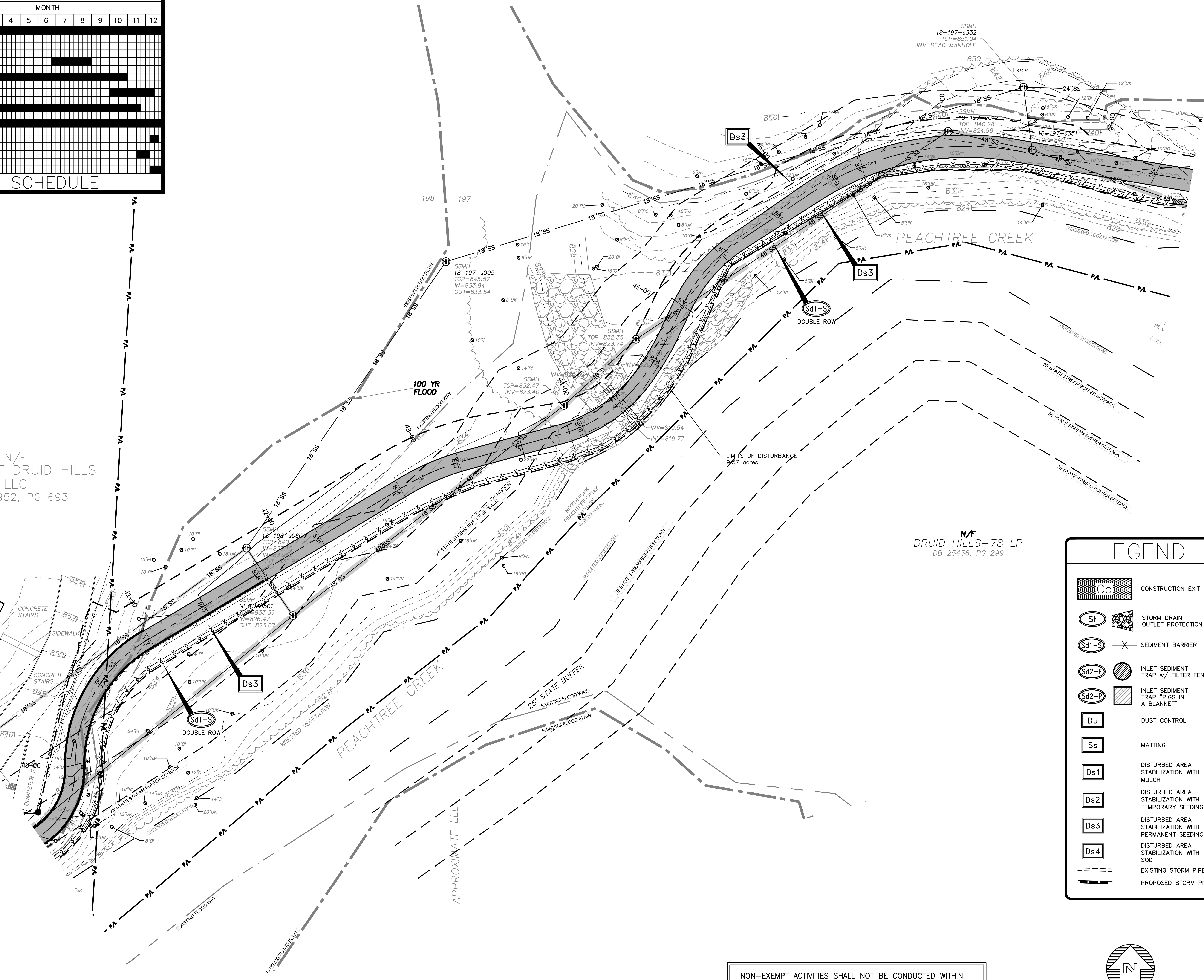
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS
09/19/2017

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-23



ACTIVITY SCHEDULE



LEGEND

Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
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	EXISTING STORM PIPE
	PROPOSED STORM PIPE

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GSWCC
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Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

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GSWCC # 0000024598
EXPIRES: 12/01/2018

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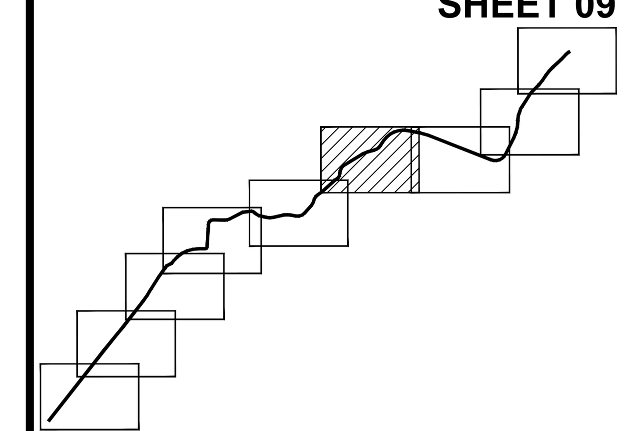


Key Map

north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER
RUSSELL E. DAVIS

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

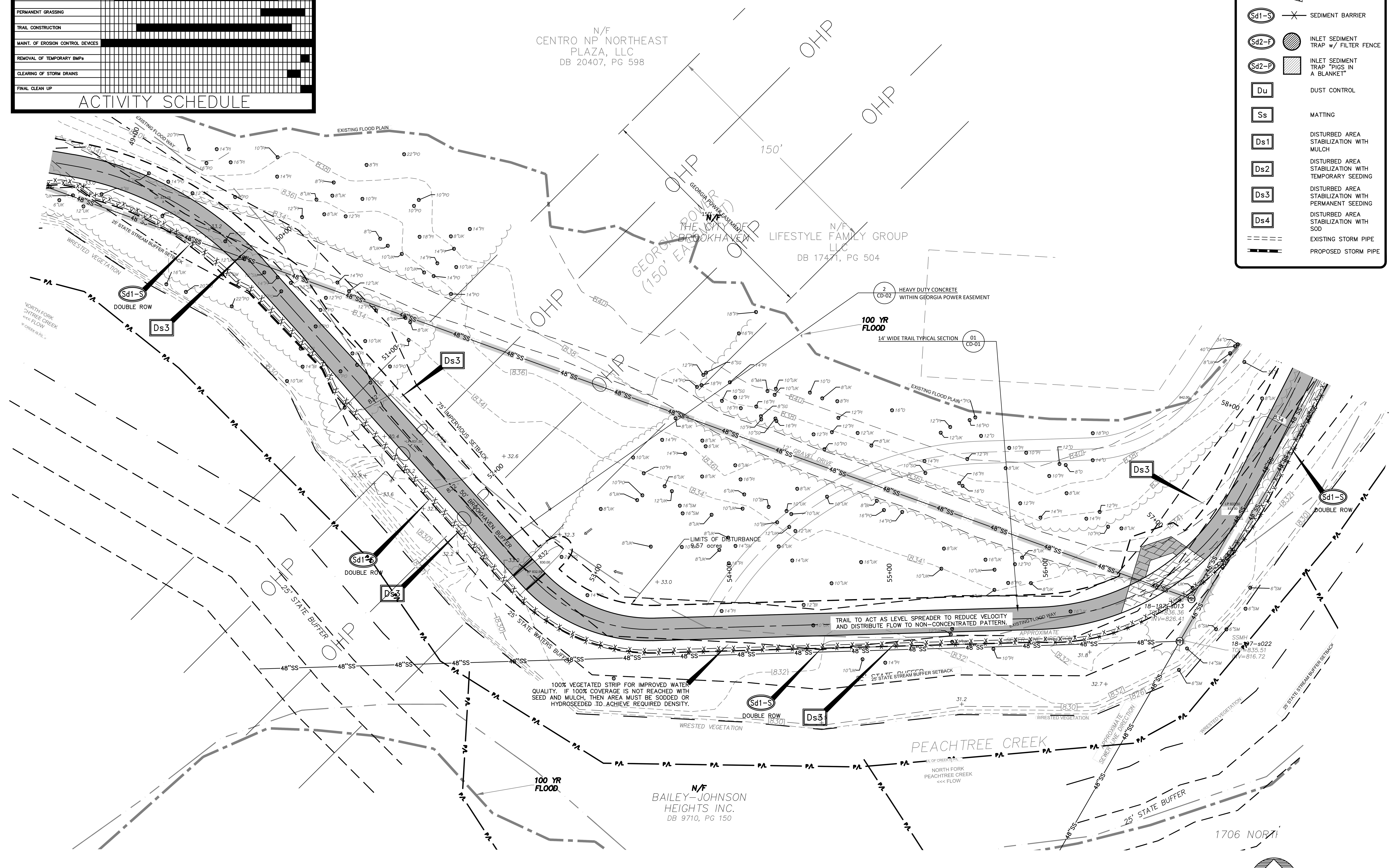
SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-24

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1–S	SEDIMENT BARRIER
Sd2–F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2–P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du	DUST CONTROL
Ss	MATTING
Ds1	DISTURBED AREA STABILIZATION WITH MULCH
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	PROPOSED STORM PIPE

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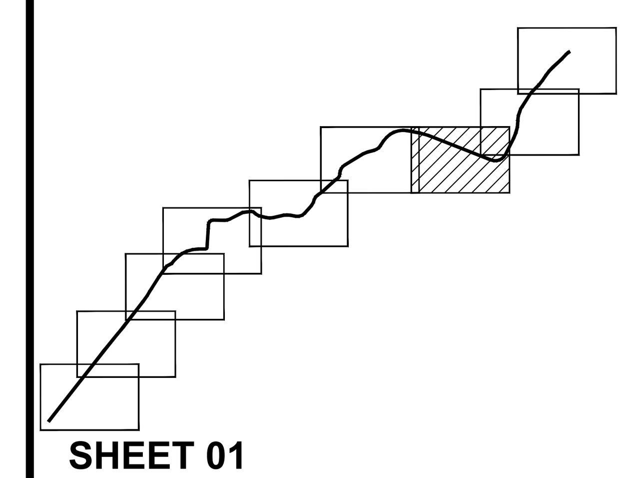

Key Map

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER RUSSELL E. DAVIS No. 20612

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-25

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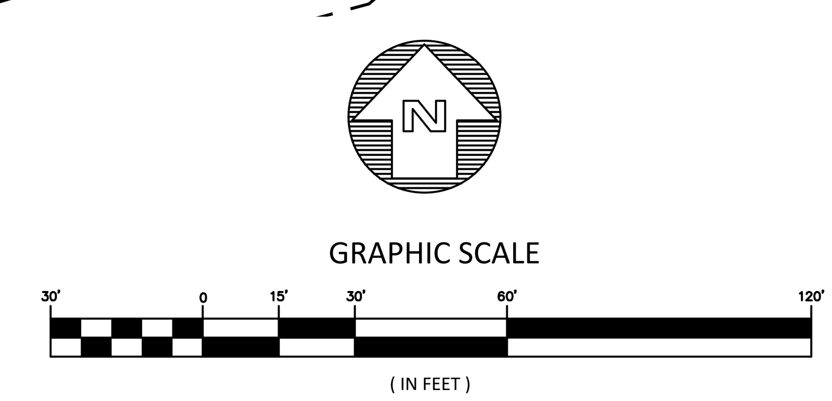
GRAPHIC SCALE



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Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

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RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

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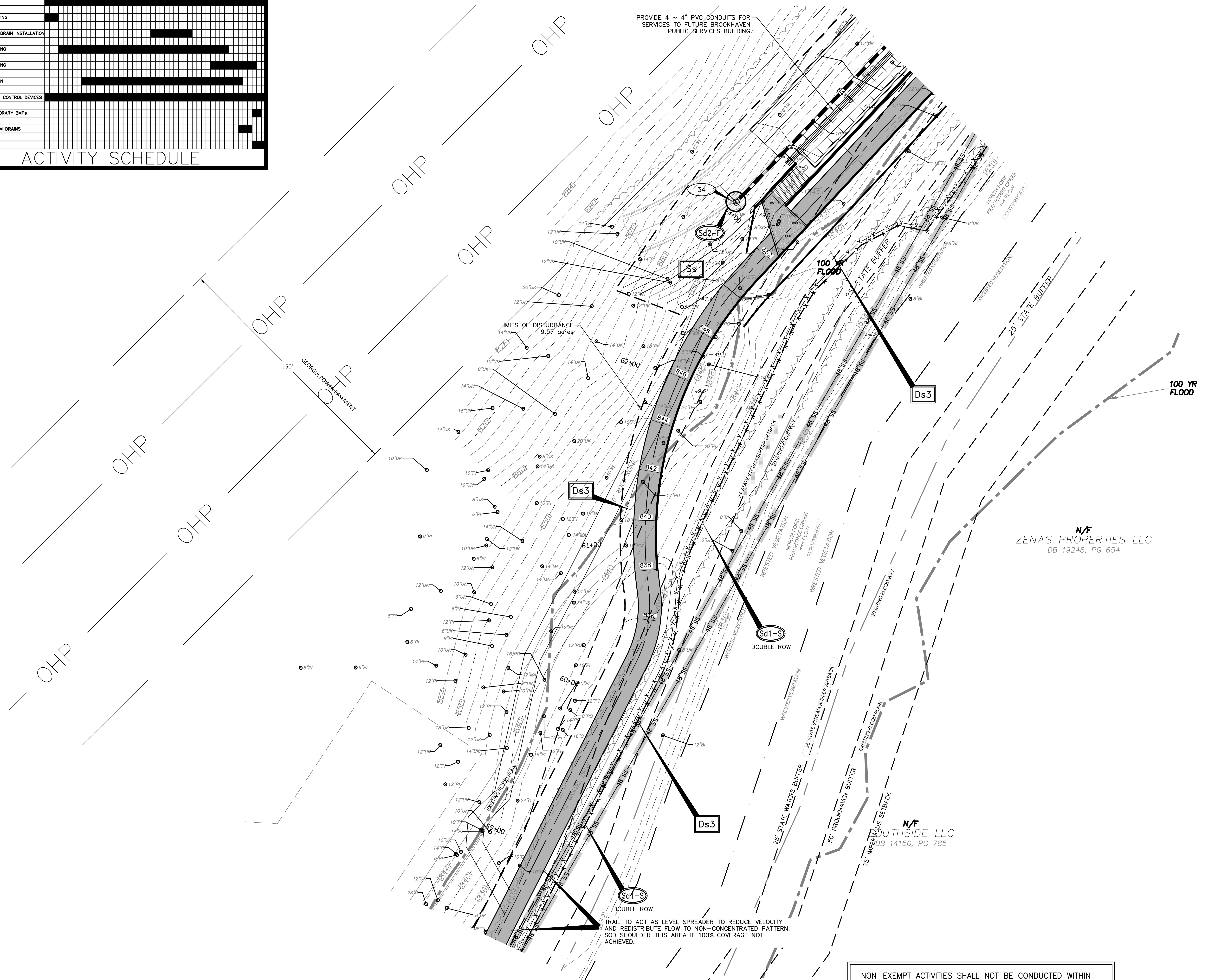
	MONTH											
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL	■	■	■	■	■	■	■	■	■	■	■	■
CLEARING & GRUBBING	■											
GRADING / STORM DRAIN INSTALLATION						■	■	■				
TEMPORARY GRASSING	■	■	■	■	■	■	■	■	■	■		
PERMANENT GRASSING										■	■	■
TRAIL CONSTRUCTION			■	■	■	■	■	■	■	■	■	
MAINT. OF EROSION CONTROL DEVICES	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF TEMPORARY BMPs												■
CLEARING OF STORM DRAINS											■	■
FINAL CLEAN UP												■

ACTIVITY SCHEDULE



LEGEND

Symbol	Description
Co	CONSTRUCTION EXIT
St	STORM DRAIN OUTLET PROTECTION
Sd1-S	SEDIMENT BARRIER
Sd2-F	INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P	INLET SEDIMENT TRAP "PIGS IN A BLANKET"
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Ss	MATTING
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Ds4	DISTURBED AREA STABILIZATION WITH SOD
=====	EXISTING STORM PIPE
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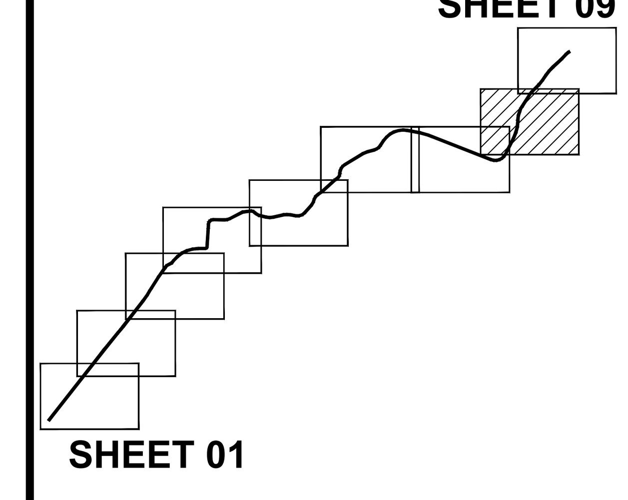

Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED No. 20672 PROFESSIONAL ENGINEER RUSSELL E. DAVIS
09/19/2017

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-26

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

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(IN FEET)
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RUSSELL E. DAVIS, P.E.
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Russell Davis #24598
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24 hr EMERGENCY CONTACT
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LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

START DATE: OCTOBER 2018
END DATE: OCTOBER 2019

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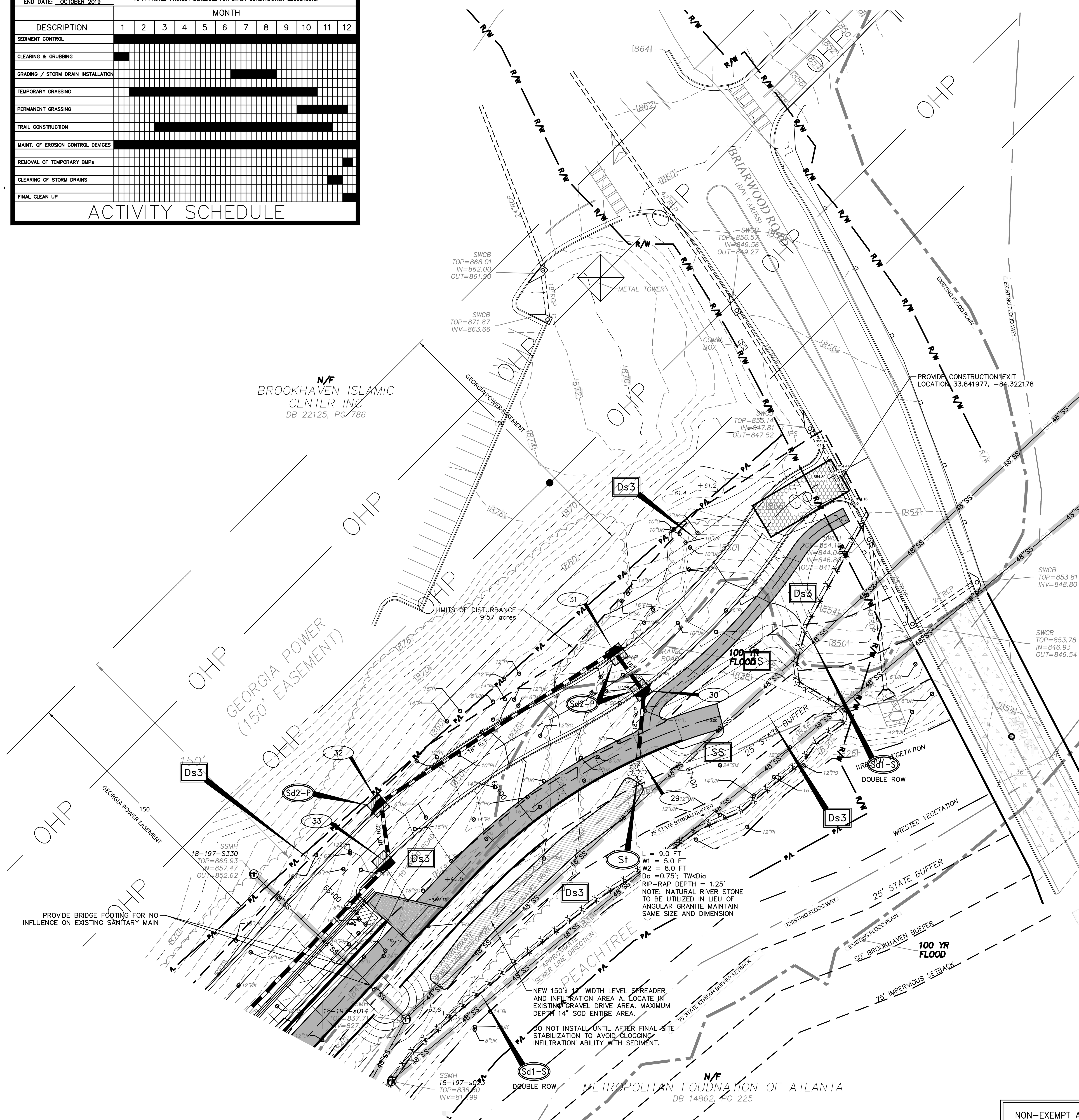
DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
SEDIMENT CONTROL												
CLEARING & GRUBBING												
GRADING / STORM DRAIN INSTALLATION												
TEMPORARY GRASSING												
PERMANENT GRASSING												
TRAIL CONSTRUCTION												
MAINT. OF EROSION CONTROL DEVICES												
REMOVAL OF TEMPORARY BMPs												
CLEARING OF STORM DRAINS												
FINAL CLEAN UP												

ACTIVITY SCHEDULE



LEGEND

Co		CONSTRUCTION EXIT
St		STORM DRAIN OUTLET PROTECTION
Sd1-S		SEDIMENT BARRIER
Sd2-F		INLET SEDIMENT TRAP w/ FILTER FENCE
Sd2-P		INLET SEDIMENT TRAP "PIGS IN A BLANKET"
Du		DUST CONTROL
Ss		MATTING
Ds1		DISTURBED AREA STABILIZATION WITH MULCH
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		EXISTING STORM PIPE
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Russell Davis #24598
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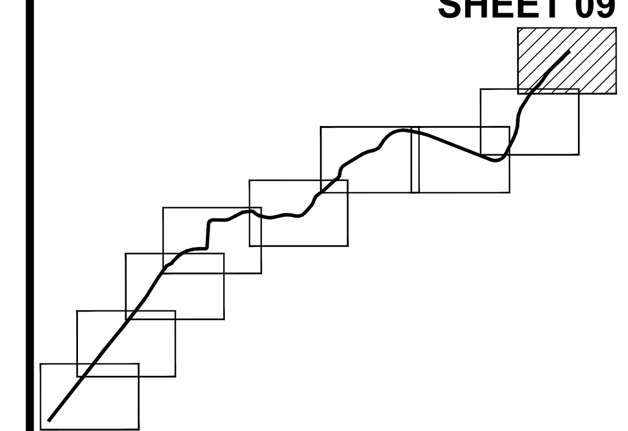


Key Map
north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT # 2017 - 116
PROJECT MANAGER GGD

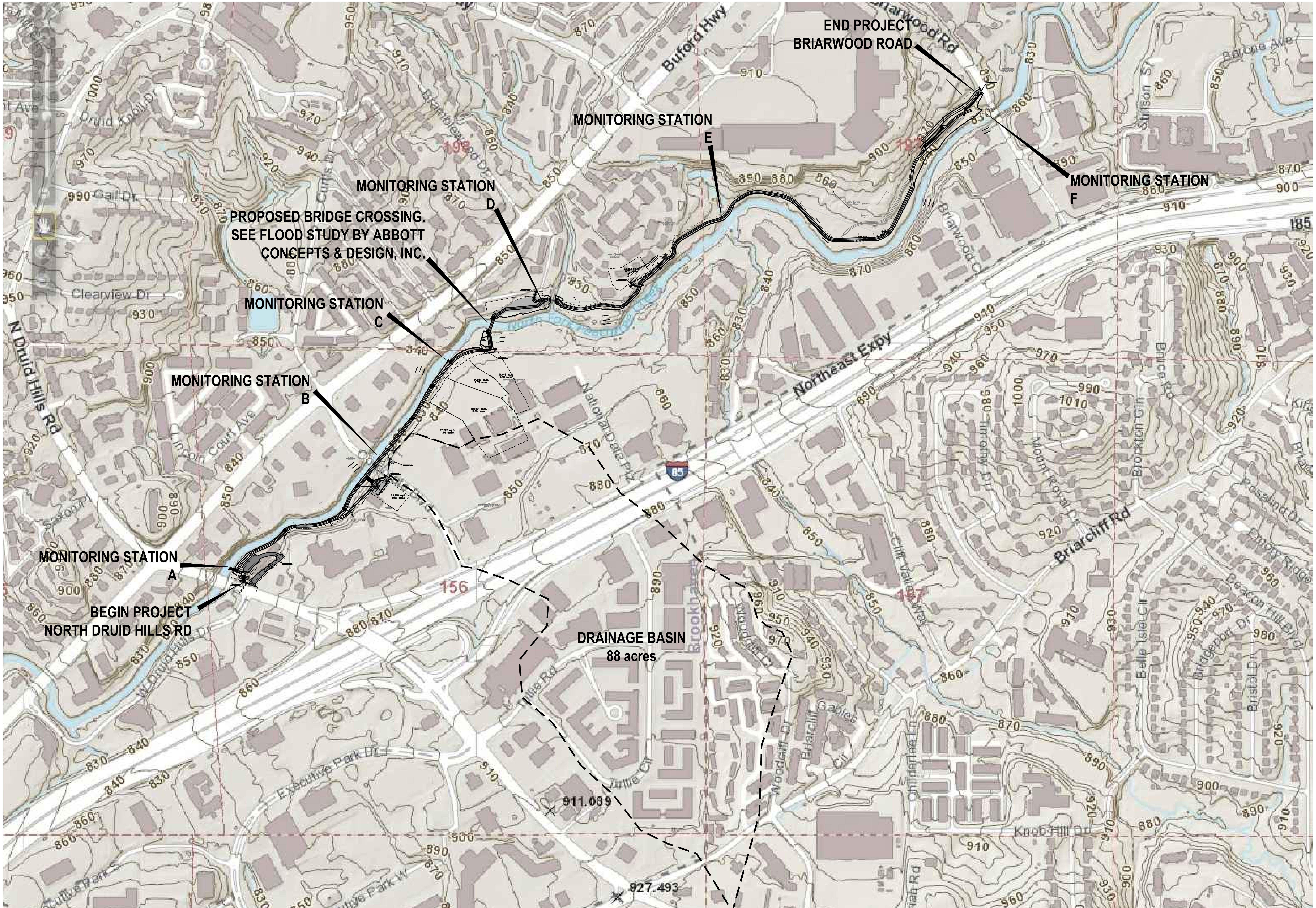
PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER RUSSELL E. DAVIS No. 24598

FINAL PHASE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: EC-27



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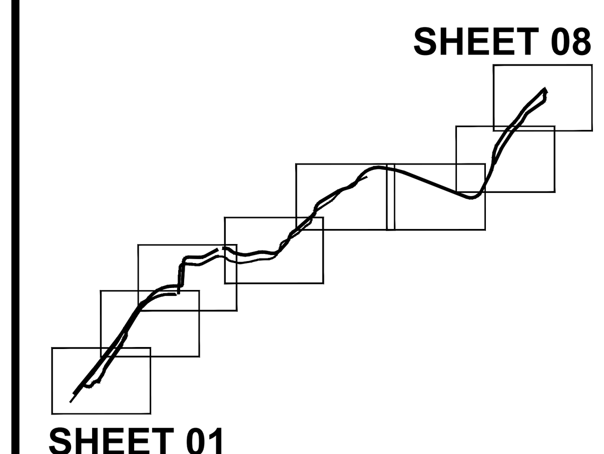
russdavispe.com



Key Map north

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS 09/19/2017

STORMWATER MANAGEMENT PLAN

SCALE:	1"=300'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	**EC-28**

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

GRAPHIC SCALE
300' 0 150' 300' 600' 1200'
(IN FEET)
1 inch = 300 feet

UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
THE LOCATION OF UTILITIES ARE SHOWN FROM FIELD EVIDENCE.
OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
BEFORE CONSTRUCTION IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATOR INVESTIGATE ALL UNDERGROUND UTILITIES.

GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROLS WITHIN 7 DAYS AFTER INSTALLATION

RUSSELL E. DAVIS, P.E.
GSWCC # 0000024598
EXPIRES: 12/01/2018

EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100002."

12/15/17

FOR THE FIRM – RUSSELL DAVIS & ASSOC, INC — DATE
RUSSELL DAVIS
GSWCC LEVEL II #0000024598

"I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my supervision." The Plan shall include, as a minimum, best management practices, including sound conservation and engineering practices to prevent and minimize erosion and resultant sedimentation, which are consistent with, and no less stringent than, those practices contained in the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted and O.C.G.A. 12-7-6, as well as the following:

12/15/17

FOR THE FIRM – RUSSELL DAVIS & ASSOC, INC — DATE
RUSSELL DAVIS
GSWCC LEVEL II #0000024598

(i). Except as provided in Part IV.(iii). below, no construction activities shall be conducted within a 25 foot buffer along the banks of all State waters, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, except where the Director has determined to allow a variance that is at least as protective of natural resources and the environment in accordance with the provisions of O.C.G.A. 12-7-6, or where a drainage structure or a roadway drainage structure must be constructed, provided that adequate erosion control measures are incorporated in the project plans and specifications and are implemented. The buffer shall not apply to the following activities provided that adequate erosion control measures are incorporated into the project plans and specifications are implemented:

(1) public drinking water system reservoirs,

(2) stream crossings for water lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer,

(3) stream crossings for sewer lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer,

(4) buffer crossing for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and; cause a width of disturbance of not more than 50 feet within the buffer, and

(5) stream crossings for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 linear feet, (b) utility lines are routed and constructed so as to minimize the number of stream crossings and disturbances to the buffer, (c) only trees and tree debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) functional native riparian vegetation is re-established in any bare or disturbed areas within the buffer. The Plan shall include a description of the stream crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of buffer disturbance, and justification;

SEE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS FOR STATE WATER BUFFER DISTURBANCES.

(ii). No construction activities shall be conducted within a 50 foot buffer, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, along the banks of any State waters classified as 'trout streams' except when approval is granted by the Director for alternate buffer requirements in accordance with the provisions of O.C.G.A. 12-7-6, or where a roadway drainage structure must be constructed; provided, however, that small springs and streams classified as 'trout streams' which discharge an average annual flow of 25 gallons per minute or less shall have a 25 foot buffer or they may be piped, at the discretion of the permittee, pursuant to the terms of a rule providing for a general variance promulgated by the Board of Natural Resources including notification of such to EPD and the Local Issuing Authority of the location and extent of the piping and prescribed methodology for minimizing the impact of such piping and for measuring the volume of water discharged by the stream. Any such pipe must stop short of the downstream permittee's property, and the permittee must comply with the buffer requirement for any adjacent trout streams. The buffer shall not apply to the following activities provided that adequate erosion control measures are incorporated into the project plans and specifications are implemented:

(1) public drinking water system reservoirs,

(2) stream crossings for water lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer,

(3) stream crossings for sewer lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer,

(4) buffer crossing for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and; cause a width of disturbance of not more than 50 feet within the buffer, and (5) stream crossings for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 linear feet, (b) utility lines are routed and constructed so as to minimize the number of stream crossings and disturbances to the buffer, (c) only trees and tree debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) functional native riparian vegetation is re-established in any bare or disturbed areas within the buffer. The Plan shall include a description of the stream crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of buffer disturbance, and justification;

SEE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS FOR TROUT STREAM BUFFER DISTURBANCES.

(iii). Except as provided above, for buffers required pursuant to Part IV.(i). and (ii)., no construction activities shall be conducted within a buffer and a buffer shall remain in its natural, undisturbed, state of vegetation until all land disturbing activities on the construction site are completed. After the submittal of a Notice of Termination, a buffer may be thinned or trimmed of vegetation as long as a protective vegetative cover remains to protect water quality and aquatic habitat and a natural canopy is left in sufficient quantity to keep shade on the stream bed.

SEE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS FOR ALL BUFFER LOCATIONS. NO CONSTRUCTION ACTIVITIES ARE TO BE CONDUCTED IN BUFFERS ON THIS SITE UNLESS COVERED UNDER AN APPROVED VARIANCE.

The Erosion, Sedimentation and Pollution Control Plan shall identify all potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the construction site. In addition, the Plan shall describe and the applicable permittee shall ensure the implementation of practices which will be used to reduce the pollutants in storm water discharges associated with construction activity at the site and to assure compliance with the terms and conditions of this permit. The applicable permittee must implement and maintain the provisions of the Plan required under this part as a condition of this permit.

POTENTIAL SOURCES OF POLLUTION

SEDIMENT
Sediment from Clearing and Grubbing
Sediment from Construction

LITTER
Shipping and Packing Materials
Illegal Dumping
Food and Drink Containers

PETROLEUM
Heavy Equipment
Fuel Tanks, Drums, Cans and Containers

Except as provided in Part IV.A.2., a single Erosion, Sedimentation and Pollution Control Plan for a common development must be prepared by the primary permittee for all sites within the common development whether or not all of the sites within the common development are owned or operated by a single entity or by multiple entities. The Erosion, Sedimentation and Pollution Control Plan must address the best management practices for the phase or phases of the common development which includes all sites (i.e., individual home lots, out-parcels, etc) regardless of who owns or operates the individual sites.

SEE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS FOR THE BEST MANAGEMENT PRACTICES.

For construction that commences after the effective date of this permit, the primary permittee must provide a copy of the Plan or applicable portions of the Plan to each secondary permittee prior to the secondary permittee conducting any construction activity. Any revisions to the Plan must be provided to the secondary permittees in a timely manner. A written acknowledgment of receipt of the Plan must be made by the secondary permittee and a copy of such be retained in the primary permittee's records in accordance with Part IV.F. of this permit. If the primary permittee changes after the Plan is prepared and implemented, any subsequent primary permittee must ensure that the Plan complies with all terms and conditions of this permit and that each secondary permittee is provided with any revisions to the Plan made by the new primary permittee. A written acknowledgment of receipt of the Plan or amendments to the Plan must be made by the secondary permittee and a copy of such be retained in the new primary permittee's records in accordance with Part IV.F. of this permit.

A. DEADLINES FOR PLAN PREPARATION AND COMPLIANCE.

1. Except as provided in Part IV.A.2. and Part IV.A.6., the Erosion, Sedimentation and Pollution Control Plan shall be completed prior to submitting the NOI and prior to conducting any construction activity by any permittee.

2. For construction activities that began on or before the effective date of this permit and were subject to regulations under the previous general permit, the permittee(s) shall continue to operate under the existing Plan.

3. For construction activities that begin after the effective date of this permit, the primary permittee shall be required to prepare the Plan for that phase of the common development that corresponds with the NOI being submitted and the primary and all secondary permittee(s) shall implement the applicable portion of the Plan on or before the day construction activities begin.

4. Additional Plan Submittals.

a. For all projects identified under Part I.C.1.b., which begin after the effective date of this permit, in a jurisdiction where there is no certified Local Issuing Authority regulating that project, a single copy of the Plan must be submitted to the EPD Watershed Protection Branch and a second copy of the Plan must be submitted to the appropriate EPD District Office prior to or concurrent with the NOI submittal. The EPD Watershed Protection Branch will review Plans for deficiencies using the applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted.

b. For sites that are equal to or greater than 50 acres of disturbed area, regardless of the existence of a certified Local Issuing Authority in the jurisdiction, one of the following submissions is also required:

(i) for all projects which begin after the effective date of this permit a single copy of the NOI and a single copy of the Plan shall be submitted to the appropriate EPD District Office.

(ii) for all projects which began on or before the effective date of this permit single copy of the NOI and a single copy of the Plan, if amended, shall be submitted to the appropriate EPD District Office.

5. For common developments that begin construction activity after the effective date of this permit, the primary permittee and tertiary permittee(s) must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan, except when the permittee has requested in writing and EPD has agreed to an alternate design professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs which the design professional designed within seven (7) days after installation. The design professional shall determine if these BMPs have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

6. For storm- or emergency-related repair work, the permittee shall implement appropriate BMPs and certified personnel (provided by the primary permittee) shall inspect at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater. If the storm- or emergency-related repair work will not be completed within sixty (60) days of commencement of construction activity, a single copy of the Plan shall be submitted to EPD and the permittee shall comply with all requirements of this permit on the sixty-first (61st) day.

B. SIGNATURE AND PLAN REVIEW.

1. The Erosion, Sedimentation and Pollution Control Plan shall be signed in accordance with Part V.G., and be retained on the site (or, if not possible, at a readily accessible location) which generates the storm water discharge in accordance with Part IV.F. of this permit. The primary permittee shall ensure, as provided for elsewhere in this permit, that each secondary permittee is provided with a copy of the Plan and that the secondary permittee understands their role in implementing the Plan. The secondary permittee shall sign the Plan or the portion of the Plan applicable to their site in accordance with Part V.G. and the Plan or applicable portion thereof shall be retained on the site or be readily available at a designated alternate location from the date of project initiation to the date of final stabilization.

2. The primary permittee and tertiary permittee(s) shall make Plans available upon request to the EPD; to designated officials of the local government reviewing soil erosion and sediment control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with construction activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the local government operating the municipal separate storm sewer system. A secondary shall make the Plan or portion of the Plan applicable to their site available upon request to the EPD; to the local government reviewing soil erosion and sediment control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with construction activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the local government operating the municipal separate storm sewer system. The Plan must be submitted to EPD or to the local government within three business days of such notification or within an alternate time frame established by EPD.

3. EPD may notify the primary, secondary or tertiary permittee at any time that the Plan does not meet one or more of the minimum requirements of this Part. Within seven (7) days of such notification (or as otherwise provided by EPD), the primary or tertiary permittee shall make the required changes to the Plan and shall submit to EPD either the amended Plan or a written certification that the requested changes have been made. For sites commencing construction on or before the effective date of this permit, EPD may notify the secondary permittee at any time that the Plan does not meet one or more of the minimum requirements of this permit. Within seven (7) days of such notification (or as otherwise provided by EPD), the secondary permittee shall implement the required changes to the Plan and shall submit to EPD either the amended Plan or a written certification that the requested changes have been made. For sites commencing construction after the effective date of this permit, when EPD notifies a secondary permittee of any Plan deficiencies, the secondary permittee must notify the primary permittee within 24-hours of the deficiencies. The primary permittee must amend the Plan in accordance with this paragraph to address those deficient BMPs within seven (7) days of being notified by the secondary permittee. When the Plan is amended, the primary permittee must notify and provide a copy of the amendment to any and all affected secondary permittees within this seven (7) day period. The secondary permittees must implement any new Plan requirements within 48-hours of notification by the primary permittee.

C. KEEPING PLANS CURRENT.

The primary, secondary or tertiary permittees, as applicable, shall amend their Plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on BMPs with a hydraulic component (i.e., those BMPs where the design is based upon rainfall intensity, duration and return frequency of storms) or if the Plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under Part IV.D.3. of this permit. Amendments to the Plan must be certified by a design professional as provided in this permit. Secondary permittees must notify the primary permittee within 24-hours of becoming aware of any suspected BMP designed deficiencies which are not effective in controlling the discharge of pollutants from the secondary permittee's site. The primary permittee must evaluate whether these deficiencies exist within 48-hours of such notice, and if these deficiencies are found to exist must amend the Plan in accordance with this paragraph to address those deficient BMPs within seven (7) days of being notified by the secondary permittee. When the Plan is amended, the primary permittee must notify and provide a copy of the amendment to all affected secondary permittees within this seven (7) day period. The secondary permittee(s) must implement any new Plan requirements affecting their site(s) within 48-hours of notification by the primary permittee. Notwithstanding the foregoing, the primary or tertiary permittee remains responsible for insuring that the Plan, as appropriate, meets the requirements of this permit.

D. CONTENTS OF PLAN.

The Erosion, Sedimentation and Pollution Control Plan shall include, as a minimum, best management practices, including sound conservation and engineering practices to prevent and minimize erosion and resultant sedimentation, which are consistent with, and no less stringent than, those practices contained in the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, as well as the following:

1. CHECKLIST.

Each plan shall include the applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted. The Checklist is available on the EPD website, www.gaepd.org.

SEE CHECKLIST ON SHEET **EC-30**

2. SITE DESCRIPTION.

Each Plan shall provide a description of pollutant sources and other information as indicated:

a. A description of the nature of the construction activity;

MULTIMODAL TRAIL

b. A description and chart or timeline of the intended sequence of major activities which disturb soils for major portions of the site (i.e., initial sediment storage requirements and perimeter BMPs, clearing and grubbing activities, excavation activities, grading activities, utility activities, immediate and final stabilization activities);

SEE CONSTRUCTION ACTIVITY SCHEDULE ON SHEET **EC-01**

c. Estimates of the total area of the site and the total area of the site that is expected to be disturbed by excavation, grading, or other activities;

TOTAL SITE AREA: **29.13**
DISTURBED AREA: **9.57**

d. An estimate of the runoff coefficient or peak discharge flow of the site prior to the construction activities and after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

PRE-CONSTRUCTION RUNOFF COEFFICIENT: **CN = 71**
POST-CONSTRUCTION RUNOFF COEFFICIENT: **CN = 71**
SEE SOIL DATA CHART ON SHEET **EC-28**

e. A site map indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of soil disturbance, an outline of areas which are not to be disturbed, the location of major structural and nonstructural controls identified in the Plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where storm water is discharged to a surface water;

SEE EROSION, SEDIMENT AND POLLUTION CONTROL PLANS
f. Identify the receiving water(s) and areal extent of wetland acreage at the site; and

RECEIVING WATER: **NORTH FORK PEACHTREE CREEK.**
AREA OF WETLANDS: **0.0958** Ac.
SEE CONSTRUCTION PLANS SHEETS **EC-22** FOR LOCATION.

g. For Plans prepared by a primary permittee for a common development, a list of the names and addresses of all secondary permittees must be included in the Plan and be amended as appropriate. These amendments are not subject to the design professional certification requirements specified in Part IV.C.

RATIONAL FOR SAMPLING OUTFALLS:

Receiving waters are not located on or directly adjacent to a portion of this site. Therefore, samples will be collected at the appropriate outfall(s). The Nephelometric Turbidity Unit (NTU) limits for each outfall sampled have been determined from Appendix B in the National Pollutant Discharge Elimination System Permit General Permit No. GAR 100002. The following information was used to determine the appropriate NTU limits:

Site Area:	**29.13** ac.
LOCATION A	
Surface Water Drainage Basin:	**+-15 sq.mi.**
Type of Receiving Waters:	**Warm Waters**
NTU Value from Appendix B:	**50**
LOCATION B	
Surface Water Drainage Basin:	**+-15 sq.mi.**
Type of Receiving Waters:	**Warm Waters**
NTU Value from Appendix B:	**50**
LOCATION C	
Surface Water Drainage Basin:	**+-15 sq.mi.**
Type of Receiving Waters:	**Warm Waters**
NTU Value from Appendix B:	**50**

MAINTENANCE AND INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls.

1. Less than one half of the site will be denuded at one time.
2. All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater.
3. All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.
4. Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
5. Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
6. The sediment basin will be inspected for depth of sediment, and built up sediment will be removed when it reaches one-third of the design capacity or at the end of the job.
7. Diversion dike will be inspected and any breaches promptly repaired.
8. Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
9. A maintenance inspection report will be made after each inspection.
10. The 24-hour emergency contact will select individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
11. Personnel selected for inspection and maintenance responsibilities will receive training from the 24-hour emergency contact. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

CONCRETE WASHDOWN BEST MANAGEMENT PRACTICES

These are the BMP's for preventing the illegal discharge or concrete washdown water into storm drains, streams or rivers.

1. Choose a suitable location away from storm drains, streams and rivers that is accessible to the vehicle.
2. Excavate a pit deep enough to contain the washdown water.
3. Vehicle should always back into the pit.
4. Washdown only the chute, hopper and rear of the vehicle. DO NOT wash out the drum or discharge surplus concrete into the pit.
5. Verify that washdown water goes into and stays the in the pit.
6. Properly dispose of washdown in the pit. Fill in pit and smooth out ground.
7. CONCRETE DRUM WASHOUT IS PROHIBITTED ON SITE.

Note: On some sites where it is not possible to have access to a washdown pit, washdown of chute and hopper will need to be done into a wheelbarrow or container and taken to an approved disposal site.

GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

24 hr EMERGENCY CONTACT
JONATHAN McCAIG ~ PATH FOUNDATION
LEVEL 1 CERT #58893 ~ EXP 08/17/2021
(m) 404-433-1900 Jonathan@pathfoundation.org

UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
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BEFORE CONSTRUCTION IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATOR INVESTIGATE ALL UNDERGROUND UTILITIES.

KAIZENCOLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

RUSSELL DAVIS & ASSOCIATES, INC.
CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com
RD&A

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER
RUSSELL E. DAVIS
09/19/2017

COMPREHENSIVE MONITORING PLAN

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	EC-29

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: MOUNTAIN DISTRICT – ATLANTA SATELLITE

Project Name: PEACHTREE GREENWAY PH1 **Address:** CORPORATE BLVD, BROOKHAVEN
City/County: BROOKHAVEN, DEKALB COUNTY **Date on Plans:** 09–13–2018

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N	Item
EC30	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
EC01	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
EC01	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
EC01	Y	4 Provide the name, address and phone number of primary permittee.
EC01	Y	5 Note total and disturbed acreage of the project or phase under construction.
EC01	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
EC01	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
EC30	Y	8 Description of the nature of construction activity.
COVER	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
EC28	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
EC01	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
EC01	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
n/a	n/a	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on page 26 of permit as applicable.*
EC01	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5. within 7 days after installation."*
EC01	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
CPSET	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
EC01	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
EC01	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
EC01	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
EC01	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
EC01	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
EC01	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
EC01	Y	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
EC01	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
EC30	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
EC18	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
EC18	Y	27 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
EC01	Y	28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
EC30	Y	29 Provide complete requirements of inspections and record keeping by the primary permittee.*
EC30	Y	30 Provide complete requirements of sampling frequency and reporting of sampling results.*
EC30	Y	31 Provide complete details for retention of records as per Part IV.F. of the permit.*
EC30	Y	32 Description of analytical methods to be used to collect and analyze the samples from each location.*
EC30	Y	33 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
EC28	Y	34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
EC01	Y	35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
EC01	Y	36 Graphic scale and North arrow.
EC01	Y	37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
n/a	n/a	38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
n/a	n/a	39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
EC01	Y	40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
EC01	Y	41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
EC28	Y	42 Delineation and acreage of contributing drainage basins on the project site.
EC28	Y	43 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
ECD01	Y	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
SP02	Y	45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
EC28	Y	46 Soil series for the project site and their delineation.
EC01	Y	47 The limits of disturbance for each phase of construction.
EC01	Y	48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justfication explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
EC01	Y	49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
ECD03	Y	50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
EC18	Y	51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

Item 37 contour intervals:

Existing Contours	USGS 1": 2000' Topographical Sheets
Proposed Contours	1" : 400' Centerline Profile

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

Effective January 1, 2017

Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

To use these tables, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is the one to use in Part III.D.4.

NARRATIVE

PROJECT DESCRIPTION:
A NEW TRAIL SEGMENT CONTINUING TO CONNECT NEIGHBORHOODS WITH A NON–MOTORIZED OPTION FOR TRANSPORTATION. THE TRAIL IS 12'–14' CONCRETE IN MOST AREAS. A STEEL BRIDGE STRUCTURE WILL CROSS PEACHTREE CREEK.

EXISTING SITE CONDITIONS:
MOST OF THE PROJECT ROUTE IS ALONG AN EXISTING ROADBED USED FOR UTILITIES. NEAR THE CREEK, SLOPES ARE NEAR 2:1 OR GREATER. THERE ARE STREAMS AND FLOOD PLAIN ALONG THE ROUTE. THE SITE IS NEAR OR IN THE STREAM BUFFER IN SEVERAL AREAS.

ADJACENT AREAS:
THE SITE IS SURROUNDED BY URBAN BUSINESSES AND OFFICE PARK. THIS PROJECT WILL CROSS PEACHTREE CREEK WITH A BRIDGE.

SEDIMENTATION IS CONTROLLED USING SEDIMENT TRAPS AT INLETS AND PERIMETER CONTROLS. THE TOTAL AREA FOR THE SITE IS OVER 29 acres, HOWEVER, DISTURBANCE IS LIMITED TO 9.57 acres. EROSION CONTROL MEASURES WILL BE USED UNTIL FINAL STABILIZATION.

EROSION CONTROL:
A VARIETY OF EROSION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THE PROJECT SITE IN ORDER TO KEEP VALUABLE SOIL ON SITE AND PROTECT DOWNSTREAM AREAS FROM POLLUTION FROM STORMWATER RUNOFF. THESE MEASURES INCLUDE: SILT FENCE AND PERIMETER CONTROLS, TEMPORARY AND PERMANENT SEEDING, MULCHING, STORM DRAINAGE INLET & OUTLET PROTECTION. WITH PROPER DAILY MAINTENANCE, THESE DEVICES WILL PROTECT THE SITE AND DOWNSTREAM PROPERTIES FROM EROSION AND SEDIMENTATION.

EMERGENCY PROCEDURES FOR SPILL OR REPORTABLE QUANTITY OF PETROLEUM PRODUCTS. ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE. TYPICALLY THIS WILL CONSIST OF AN EARTHEN BERM CONSTRUCTED AROUND 3 SIDES OF STORAGE AREA. EMERGENCY PROCEDURES FOR SPILLS SHALL BE KEPT IN THE CONSTRUCTION TRAILER INCLUDING EMERGENCY CONTACT NUMBERS. THE CONTRACTOR SHALL LOCATE STORAGE FACILITIES IN AREAS WITH THE LEAST FORSEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR.

STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK CHUTE WASH OUT. CONCRETE TRUCK CHUTE WASH OUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH AREA LOCATED ON THE CREST OF THE ACCESS ROAD. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE IN IMPACTING VEGETATED AREAS SHOWN TO BE SAVED ON THE TREE SAVE PLAN. DISPOSAL OF MATERIALS SHALL BE EITHER THE BREAKING OF MATERIAL INTO ACCEPTABLE PIECES AND PLACEMENT WITHIN UNCLASSIFIED FILL AREAS AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER. **WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.**

PAINT / CHEMICAL STORAGE, CLEANUP AND DISPOSAL. PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEAN UP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE APPROVED OFF–SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.

WASTE MATERIAL SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY, AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATION. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
THE LOCATION OF UTILITIES ARE SHOWN FROM FIELD EVIDENCE.
OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
BEFORE CONSTRUCTION IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATOR INVESTIGATE ALL UNDERGROUND UTILITIES.

GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

NON–EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

KAIZENCOLLABORATIVE
2390 Main Street | Tucker, GA 30084 | 404.239.2521

RUSSELL DAVIS & ASSOCIATES, INC.
CIVIL ENGINEERING DESIGN
520 Blue Heron Drive
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT # 2017 - 116
PROJECT MANAGER GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

NPDES CHECKLIST

SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: **EC-30**

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored, and have a continuous 90% cover or greater of the soil surface. Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months. If an area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to Ds2—Disturbed Area Stabilization (With Temporary Seeding), Ds3—Disturbed Area Stabilization (With Permanent Seeding), and Ds4—Disturbed Area Stabilization (With Sodding).

SPECIFICATIONS

Mulching without Seeding

This standard applies to grades or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

Select one of the following materials and apply at the depth indicated:
1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. Wood waste (chips,sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re—used.

Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.
1. Dry straw or Hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
2. If the area will eventual be covered with perennial vegetation, 20—30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
3. Apply polyethylene film on exposed areas.

Anchoring Mulch

1. Straw or hay mulch can be pressed into the soil with a disk arrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough no to cut the mulch but to press it into the soil leaving much of it in an erect position. **STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.** Straw or hay mulch spread with special blower—type equipment may be anchored. Tackifieers, binders and hydraulic mulch with tackifier specifically designed for tacking straw can be substirued for emulsified asphalt. Please refer to specification Tac—Tackifers. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.

2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

□ST□□□E□ □□E□ ST□□□□□□TO□ □□ □TH
M□□□H□□ O□□□□

(NTS)

Ds1

REQUIREMENT FOR REGULATORY COMPLIANCE

Refer to specification Ds1 — Disturbed Area Stabilization (With Temporary Seeding).

INSTALLATION SPECIFICATIONS

Grading and shaping

Excessive water run—off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others. No shaping or grading is required if slopes can be stabilized by hand—seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand—seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall. When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultrual lime at a reate determined by soil test for pH. Quick acting lime shold be incorporated to midify pH during th egermination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amounts of fertilzer and amendments. Fertilizer should be applied before land prepreation and incorporaed with a disk, ripper or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in thefirst pass with seed. and shoume hydraulic mulch, then topped with the remaining required application rate.

Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to determine if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10—10—10 fertilizer or the equivalent per acre (12—16 lbs./1,000 sq. ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.

Seeding

Select a grass or grass—legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker—seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one—quarter to one—half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand. See Table 6—4.1

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch, provided there is little to no erosion poteintial. However, the use of mulch can often accelerate and enchance germination and vegetation establishement. Mulch without seeding should be considered for short term protection. **Refer to Ds1—Disturbed Area Stabilization (With Mulching Only).**

Irrigation

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

SUGGESTED SEEDBED DEPTHS

SLOPE	SEEDBED DEPTHS
3:1 OR FLATTER	LESS THAN 4" DEPTH
2:1 TO 3:1	1" TO 4" DEPTH
2:1 OR STEEPER	DEPRESSIONS EVERY 6"– 8" HAND DUG, IF NECESSARY

MAINTENANCE

Re—seed areas where an adequate stand of temporary vegetation fails to emerge or where a poor stand exists.

PLANTS, PLANTING RATES AND PLANTING DATES FOR TEMPORARY COVER OF COMPANION CROPS 1/

Species	Broadcast Rates 2/ — PLS 3/ Per Acre	Per 1000 sq.ft.	Resource Area 4/	Planting Dates by Resource Areas (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
BARLEY (Hordeum vulgare)			M–L P C		14,000 seed per pound Winterhardy. Use on productive soils.
alone	3 bu. (144 lbs.)	3.3 lb.			
in mixtures	1/2 bu. (24 lbs.)	0.6 lb.			
LESPEDEZA, ANNUAL (Lespedeza striata)			M–L P C		200,000 seed per pound May volunteer for several years. Use innoculant EL.
alone	40 lbs.	0.9 lb.			
in mixtures	10 lbs.	0.2 lb.			
LOVEGRASS, WEEPING (Eragrostis curvula)			M–L P C		1,500,000 seed per pound May last for several years. Mix with Sericea lespedeza.
alone	4 lbs.	0.1 lb.			
in mixtures	2 lbs.	0.05 lb.			
MILLET, BROWNTOP (Panicum fasciculatum)			M–L P C		137,000 seed per pound Quick dense cover. Will provide too much competition in mixtures if seeded at high rates.
alone	40 lbs.	0.9 lb.			
in mixtures	10 lbs.	0.2 lb.			
MILLET, PEARL (Pennesetum glaucum)			M–L P C		88,000 seed per pound Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
alone	50 lbs.	1.1 lb.			
OATS (Avena sativa)			M–L P C		13,000 seed per pound Use on productive soils. Not as winterhardy as rye or barley.
alone	4 bu. (128 lbs.)	2.9 lb.			
in mixtures	1 bu. (32 lbs.)	0.7 lb.			
RYE (Secale cereale)			M–L P C		18,000 seed per pound Quick cover. Drought tolerant and winterhardy.
alone	3 bu. (168 lbs.)	3.9 lb.			
in mixtures	1/2 bu. (28 lbs.)	0.6 lb.			
RYEGRASS, ANNUAL (Lolium temulentum)			M–L P C		227,000 seed per pound Dense cover. Very competitve and is NOT to be used in mixtures.
alone	40 lbs.	0.9 lb.			
SUDANGRASS (Sorghum sudanese)			M–L P C		55,000 seed per pound Good on drought sites. NOT recommended for mixtures.
alone	60 lbs.	1.4 lb.			
TRITICALE (X–Triticosecale)			C		Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
alone	3 bu. (144 lbs.)	3.3 lb.			
in mixtures	1/2 bu. (24 lbs.)	0.6 lb.			
WHEAT (Triticum aestivum)			M–L P C		18,000 seed per pound Quick cover. Drought tolerant and winterhardy.
alone	3 bu. (180 lbs.)	4.1 lb.			
in mixtures	1/2 bu. (30 lbs.)	0.7 lb.			

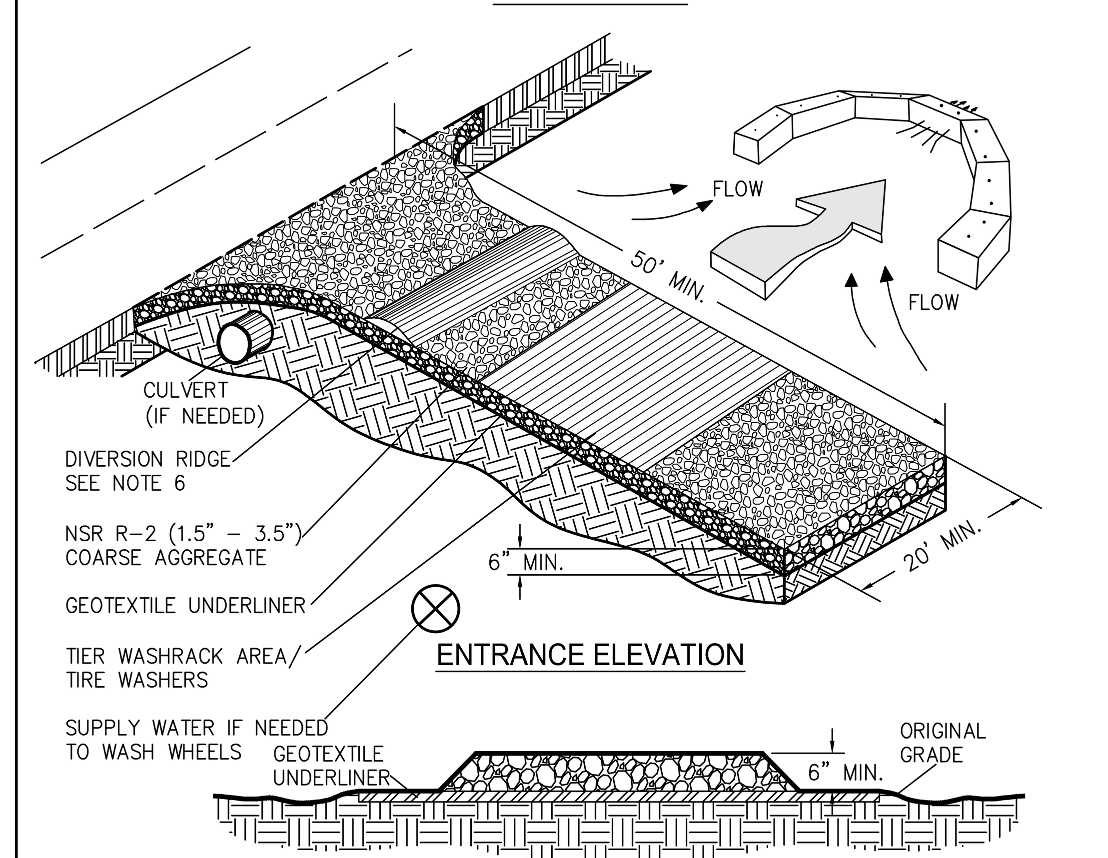
1/ Temporary cover crops are very competitive and will crown out perennials if seeded too heavily.
2/ Reduce seeding rates by 50% when drilled.
3/ PLS is an abbreviation for Pure Live Seed
4/ M–L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plain; Sand Hills; Black Lands and Atlantic Coastal Flatwoods MLRA

DISTURBED AREA STABILIZATION
(WITH TEMPORARY SEEDING)

□□2

CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM



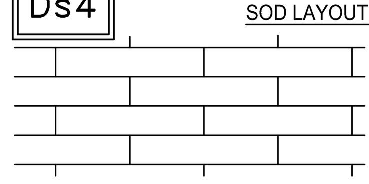
NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R–2 (1.5"–3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS–OF–WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co

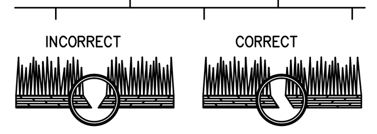
SOD MAINTENANCE AND INSTALLATION

Ds4

SOD LAYOUT AND PREPARATION



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.



BUTTING: ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

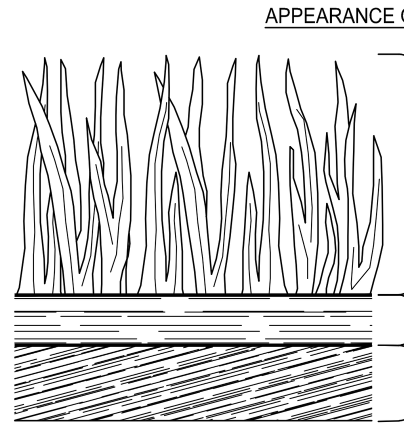
DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

Step 3. MOW WHEN THE SOD IS ESTABLISHED –– IN 2–3 WEEKS. SET THE MOWER HIGH (2"–3").

APPEARANCE OF GOOD SOD



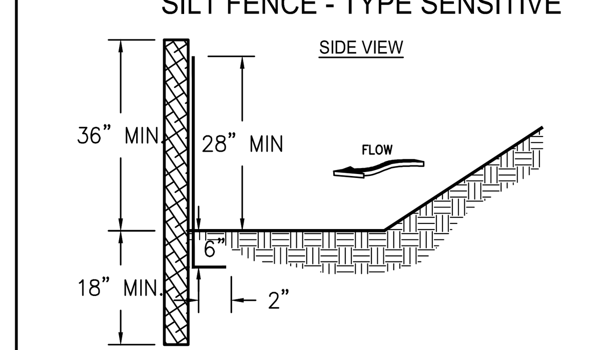
SHOOTS OR GRASS BLADES: GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"–3" CUTTING HEIGHT.

THATCH: GRASS CLIPPINGS AND DEAD LEAVES (UP TO 1/2" THICK).

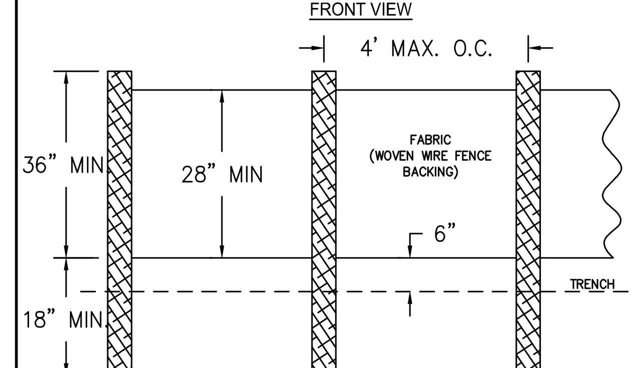
ROOT ZONE: SOIL AND ROOTS. SHOULD BE 1/2"–3/4" THICK WITH DENSE ROOT MAT FOR STRENGTH.

SILT FENCE - TYPE SENSITIVE

SIDE VIEW



FRONT VIEW



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

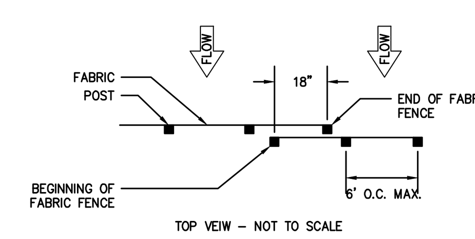
MAINTENANCE

Sediment shall be removed once it has accumulated to one—half the original height of the barrier. Filter fabric shall be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months). Temporary sediment barriers shall remain in place until disturbed areas have been permanently stabilized. All sediment accumulated at the barrier shall be removed and properly disposed of before the barrier is removed.

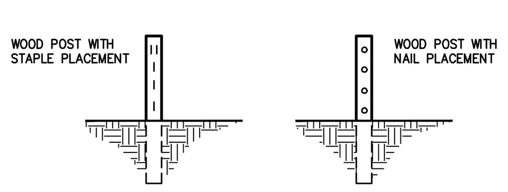
Sd1–S

FASTENERS FOR SILT FENCES

OVERLAP AT FABRIC ENDS



TOP VEIW – NOT TO SCALE



FRONT VIEWS – NOT TO SCALE

NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

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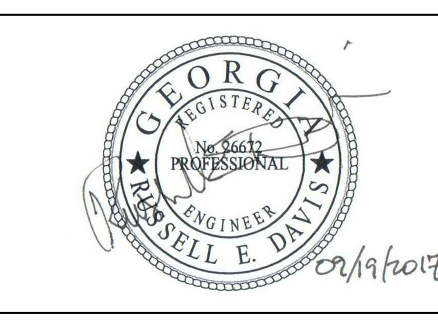
REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK
GREENWAY PHASE 1

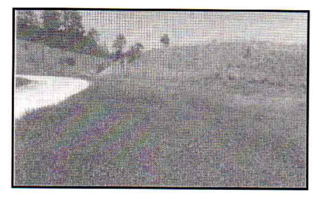
DEKALB COUNTY, GA



CONSTRUCTION DETAILS

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	ECD-01

Disturbed Area Stabilization (With Permanent Vegetation) Ds3



DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

PURPOSE

- To protect the soil surface from erosion
- To reduce damage from sediment and runoff to down-stream areas
- To improve wildlife habitat and visual resources
- To improve aesthetics

REQUIREMENT FOR REGULATORY COMPLIANCE

This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. **Final Stabilization** means that all soil disturbing activities at the site have been completed, and that for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by the GA EPD for waste disposal, 100% of the soil surface is uniformlycovered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures.

Permanent vegetation shall consist of, planted trees, shrubs, perennial vines; or a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For linear construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas.

PLANNING CONSIDERATIONS

1. Use conventional planting methods where possible.
2. When mixed plantings are done during marginal planting periods, companion crops shall be used.
3. No-till planting is effective when planting is done following a summer or winter annual cover crop. Sericea lespedeza planted no-till into stands of rye is an excellent procedure.
4. Block sod provides immediate cover. It is especially effective in controlling erosion adjacent to concrete flumes and other structures. Refer to Specification **Ds4-Disturbed Area Stabilization (With Sodding)**.
5. Irrigation should be used when the soil is dry or when summer plantings are done.
6. Low maintenance plants, as well as natives, should be used to ensure long-lasting erosion control.
7. Mowing should not be performed during the quail nesting season (May to September).
8. Wildlife plantings should be included in critical area plantings.

loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.

2. Tillage may be done with any suitable equipment.
3. Tillage should be done on the contour where feasible.
4. On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants

1. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.
2. For nursery stock plants, holes shall be large enough to accommodate roots without crowding.
3. Where pine seedlings are to be planted, subsoil under the row 36 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

Innoculants

All legume seed shall be inoculated with appropriate nitrogen-fixing bacteria. The innoculant shall be a pure culture prepared specifically for the seed species and used within the dates on the container.

A mixing medium recommended by the manufacturer shall be used to bond the innoculant to the seed. For conventional seeding, use twice the amount of innoculant recommended by the manufacturer. For hydraulic seeding, four times the amount of innoculant recommended by the manufacturer shall be used.

All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. No inoculated seed shall remain in the hydroseeder longer than one hour.

Planting

Hydraulic Seeding

Mix the seed (innoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.

Conventional Seeding

Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a culti-packer-seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equipment.

No-Till Seeding

No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants

Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots.

Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.

Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

Mulching

Mulch is required for all permanent vegetation applications. Mulch applied to seeded areas shall achieve 75% to 100% soil cover. When selecting a mulch, design professionals should consider the mulch's functional longevity, vegetation establishment enhancement, and erosion control effectiveness. Select the mulching material from the following and apply as indicated:

1. *Dry straw* or *dry hay* of good quality and free of weed seeds can be used. Dry straw shall be applied at the rate of 2 tons per acre. Dry hay shall be applied at a rate of 2 1/2 tons per acre.
2. *Wood cellulose mulch* or *wood pulp fiber* shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Dry straw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.
3. One thousand pounds of *wood cellulose* or *wood pulp fiber*, which includes a tackifier, shall be used with hydraulic seeding on slopes 3/4:1 or steeper.
4. *Sericea Lespedeza* hay containing mature seed shall be applied at a rate of three tons per acre.
5. *Pine straw* or *pine bark* shall be applied at a thickness of 3 inches for bedding purposes. Other suitable materials in sufficient quantity may be used where ornamentals or other ground covers are planted. This is not appropriate for seeded areas.
6. When using temporary erosion control blankets or block sod, mulch is not required.
7. *Bituminous treated roving* may be applied on planted areas, slopes, in ditches or dry waterways to prevent erosion. Bituminous treated roving shall be applied within 24 hours after an area has been planted. Application rates and materials must meet Georgia Department of Transportation specifications.

Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when agitated in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.

Applying Mulch

Straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting. The mulch may be spread by blower-type spreading equipment, other spreading equipment or by hand. Mulch shall be applied to cover 75% of the soil surface.

Wood cellulose or wood fiber mulch shall be applied uniformly with hydraulic seeding equipment.

Anchoring Mulch

Anchor straw or hay mulch immediately after application by one of the following methods:

1. *Hay and straw* mulch shall be pressed into the soil immediately after the mulch is spread. A special "packer disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
2. *Synthetic tackifiers, binders or hydraulic mulch specifically designed to tack straw,* shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. All tackifiers, binders or hydraulic mulch specifically designed to tack straw should be verified nontoxic through EPA 2021.0 testing. Refer to **Tackifiers-Tac**
3. *Rye or wheat* can be included with Fall and Winter plantings to stabilize the mulch. They shall be applied at a rate of one-quarter to one-half bushel per acre.
4. *Plastic mesh or netting* with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specifications.

Bedding Material

Mulch is used as a bedding material to conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bare areas on lawns.

Wildlife Plantings

Commercially available plants beneficial to wildlife species include the following:

Mast Bearing Trees

Beech, Black Cherry, Blackgum, Chestnut, Chinkapin, Hackberry, Hickory, Honey Locust, Native Oak, Persimmon, Sawtooth Oak and Sweetgum.

All trees that produce nuts or fruits are favored by many game species. Hickory provides nuts used mainly by squirrels and bear.

Shrubs and Small Trees

Bayberry, Bicolor Lespedeza, Crabapple, Dogwood, Huckleberry or Native Blueberry, Mountain Laurel, Native Holly, Red Cedar, Red Mulberry, Sumac, Wax Myrtle, Wild Plum and Blackberry.

Plant in patches without tall trees to develop stable shrub communities. All produce fruits used by many kinds of wildlife, except for lespedeza which produces seeds used by quail and songbirds.

Grasses, Legumes, Vines and Temporary Cover

Bahiagrass, Bermudagrass, Grass-Legume mixtures, Partridge Pea, Annual Lespedeza, Orchardgrass (for mountains), Browntop Millet (for temporary cover), and Native grapes.

Provides herbaceous cover in clearings for a game bird brood-rearing habitat. Appropriate legumes such as vetches, clovers, and lespedezas may be mixed with grass, but they may die out after a few years.

CONSTRUCTION SPECIFICATIONS

Grading and Shaping

Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment.

When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.

Concentrations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.

Lime and Fertilizer Rates and Analysis

Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.

Lime spread by conventional equipment shall be "ground limestone." Ground limestone is calcitic or dolomitic limestone ground so that 90 percent of the material will pass through a 10-mesh sieve, not less than 50 percent will pass through a 50-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.

Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" spanning from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.

It is desirable to use dolomitic limestone in the Sand Hills, Southern Coastal Plain and Atlantic Coast Flatwoods MLRAs. (See Figure 6-4.1)

Agricultural lime is generally not required where only trees are planted.

Initial fertilization, nitrogen, topdressing, and maintenance fertilizer requirements for each species or combination of species are listed in Table 6-5.1.

Lime and Fertilizer Application

When *hydraulic seeding* equipment is used, the initial fertilizer shall be mixed with seed, innoculant (if needed), and wood cellulose or wood pulp fiber mulch and applied in a slurry. The innoculant, if needed, shall be mixed with the seed prior to being placed into the hydraulic seeder. The slurry mixture will be agitated during application to keep the ingredients thoroughly mixed. The mixture will be spread uniformly over the area within one hour after being placed in the hydroseeder.

Finely ground limestone can be applied in the mulch slurry or in combination with the top dressing.

When *conventional planting* is to be done, lime and fertilizer shall be applied uniformly in one of the following ways:

1. Apply before land preparation so that it will be mixed with the soil during seedbed preparation.
2. Mix with the soil used to fill the holes, distribute in furrows.
3. Broadcast after steep surfaces are scarified, pitted or trenched.
4. A fertilizer pellet shall be placed at root depth in the closing hole beside each pine tree seedling.

Plant Selection

Refer to Tables 6-4.1, 6-5.2, 6-5.3 and 6-5.4 for approved species. Species not listed shall be approved by the State Resource Conservationist of the Natural Resources Conservation Service before they are used.

Plants shall be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting, method of planting; and the needs and desires of the land user.

Some perennial species are easily established and can be planted alone. Examples of these are Common Bermuda, Tall Fescue, and Weeping Lovegrass.

Other perennials, such as Bahia Grass and Sericea Lespedeza, are slow to become established and should be planted with another perennial species. The additional species will provide quick cover and ample soil protection until the target perennial species become established. For example, Common seeding combinations are 1) Weeping Lovegrass with Sericea Lespedeza (scarified) and 2) Tall Fescue with Sericea Lespedeza (unscarified).

Plant selection may also include annual companion crops. Annual companion crops should be used only when the perennial species are not planted during their optimum planting period. A common mixture is Brown Top Millet with Common Bermuda in mid-summer. Care should be taken in selecting companion crop species and seeding rates because annual crops will compete with perennial species for water, nutrients, and growing space. A high seeding rate of the companion crop may prevent the establishment of perennial species.

Ryegrass shall not be used in any seeding mixtures containing perennial species due to its ability to out-compete desired species chosen for permanent perennial cover.

Seed Quality

The term "pure live seed" is used to express the quality of seed and is not shown on the label. Pure live seed, PLS, is expressed as a percentage of the seeds that are pure and will germinate. Information on percent germination and purity can be found on seed tags. PLS is determined by multiplying the percent of pure seed with the percent of germination; i.e.,

(PLS = % germination x % purity)

EXAMPLE:

Common Bermuda seed
70% germination, 80% purity

PLS = 70% germination x 80% purity

PLS = 56%

The percent of PLS helps you determine the amount of seed you need. If the seeding rate is 10 pounds PLS and the bulk seed is 56 % PLS, the bulk seeding rate is:

$$\frac{10\text{ lbs. PLS/acre}}{56\%\text{ PLS}} = 17.9\text{ lbs/acre}$$

You would need to plant 17.9 lbs/acre to provide 10 lbs/acre of pure live seed.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used (but is strongly recommended for any seeding process, when possible). When conventional seeding is to be used, seedbed preparation will be done as follows:

Broadcast plantings

1. Tillage, at a minimum, shall adequately

Material	Depth
Grain straw	4" to 6"
Grass Hay	4" to 6"
Pine needles	3" to 5"
Wood waste	4" to 6"

Irrigation

Irrigation will be applied at a rate that will not cause runoff..

Topdressing

Topdressing will be applied on all temporary and permanent (perennial) species planted alone or in mixtures with other species. Recommended rates of application are listed in Table 6-5.1.

Second Year and Maintenance Fertilization

Second year fertilizer rates and maintenance fertilizer rates are listed in Table 6-5.1.

Lime Maintenance Application

Apply one ton of agricultural lime every 4 to 6 years or as indicated by soil tests. Soil tests can be conducted to determine more accurate requirements. if desired.

Use and Management

Mow Sericea Lespedeza only after frost to ensure that the seeds are mature. Mow between November and March.

Bermudagrass, Bahiagrass and Tall Fescue may be mowed as desired. Maintain at least 6 inches of top growth under any use and management. Moderate use of top growth is beneficial after establishment.

Exclude traffic until the plants are well established. Because of the quail nesting season, mowing should not take place between May and September.

(KUDZU OMMITTED)

FERTILZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/ 2/ - 30
2. Cool season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ - -
3. Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac.	- - -
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	-
5. Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac.	-
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasse	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50 -100 bs./ac. 2/ 6/ 50 -100 bs./ac. 2/ 6/ 30 lbs./ac. 5/
8. Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac. 6/ - -

1/ Apply in spring flollowing seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

PLANTS, PLANTING RATES AND PLANTING DATES FOR PERMANENT COVER

Planting Dates by Resource Areas — Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D

Species	Broadcast Rates 1/ - PLS 2/ Per Acre	Per 1000 sq.ft.	Resource Area 3/	Remarks
BAHIA, PENSACOLA (Paspalum notatum)			P C	166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
alone or with temporary cover	60 lbs.	1.4 lb.		
with other perennials	30 lbs.	0.7 lb.		
BAHIA, WILMINGTON (Paspalum notatum)			M-L P	Same as above.
alone or with temporary cover	60 lbs.	1.4 lb.		
with other perennials	30 lbs.	0.7 lb.		
BERMUDA, COMMON (Cynodon dactylon) Hulled seed alone	10 lbs.	0.2 lb.	P C	1,787,000 seed per pound Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.
with other perennials	6 lbs.	0.1 lb.		
BERMUDA, COMMON (Cynodon dactylon) Unhulled seed with temporary cover	10 lbs.	0.2 lb.	P C	Plant with winter annuals.
with other perennials	6 lbs.	0.1 lb.		Plant with Tall fescue.
BERMUDA SPRIGS (Cynodon dactylon) Coastal, Common, Midland, or Tift 44	10 lbs.	0.2 lb.	M-L	A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 sprigs.
Coastal, Common, or Tift 44	6 lbs.	0.1 lb.	P C	Same as above.
Tift 78	6 lbs.	0.1 lb.	C	Southern Coastal Plain only.
CENTIPEDE (Eremochloa ophiuroides)	Block sod only		P C	Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far north as Athens and Atlanta.
CROWNVETCH (Cornilla varia) with winter annuals or cool season grasses	15 lbs.	0.3 lb.	M-L P	100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms sring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate seed with M inoculant. Use from North Atlanta and northward.
FESCUE, TALL (Festuca arundinacea) alone	50 lbs.	1.1 lb.	M-L P	227,000 seed per pound. Use alone only on better sites. Not for droughty soils. Mix with perennial lespedezas or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs.	0.7 lb.		
LESPEDEZA, SERICEA (Lespedeza cuneata) scarified	60 lbs.	1.4 lb.	M-L P C	350,000 seed per pound. Widely adapted. Low maintenance. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
unscarified	75 lbs.	1.7 lb.	M-L P C	Mix with Tall fescue or winter annuals.
seed-bearing hay	3 tons	138 lb.	M-L P C	Cut when seed is mature, but before it shatters. Add Tall fescue or winter annuals.
LESPEDEZA Ambro virgata (Lespedeza virgata DC) or Appalow (Lespedeza cuneata [Dumont] G. Don)				300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Sericea lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.
scarified	60 lbs.	1.4 lb.	M-L P C	
unscarified	75 lbs.	1.7 lb.	M-L P C	
LESPEDEZA, SHRUB (Lespedeza bicolor) (Lespedeza thumbergii) plants	3'X3'		M-L P C	Provide wildlife food and cover.
LOVEGRASS, WEEPING (Eragrostis curvula) alone	4 lbs.	0.1 lb.	M-L P C	1,500,00 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadbanks.
with other perennials	2 lbs.	0.05 lb.		
MAIDENCANE (Panicum hemitomon) sprigs	2'x3' spacing		ALL	For very wet sites. May clog channels. Dig springs from local sources. Use along river banks and shorelines.
PANICGRASS, ATLANTIC COASTAL (Panicum amarum var. amarulum)	20 lbs.	0.5 lb.	P C	Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.
REED CANARY GRASS (Phalaris arundinacea) alone	50 lbs.	1.1 lb.	M-L P	Grows similar to tall fescue.
with other perennials	30 lbs.	0.7 lb.		
SUNFLOWER. 'AZTEC' MAXIMILLIAN (Helianthus maxilmiliani	10 lbs.	0.2 lb.	M-L P C	227,000 seed per pound. Mix with Weeping lovegrass or other low-growing grasses or legumes.

1/ Reduce seeding rates by 50% when drilled.
2/ PLS is an abbreviation for Pure Live Seed. Refer to section V.E of these specifications.
3/ M-L represents to Mountain; Blue Ridge; and Ridges and Valleys MLRAs.
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plain;
Sand Hills; Black Lands and Atlantic Coastal Flatwoods MLRA

DURABLE SHRUBS AND GROUND COVERS FOR PERMANENT COVER

Ground covers include a wide range of low-growing plants planted together in considerable numbers to cover large areas of the landscape. Ground covers grow slower than grasses. Weeds are likely to compete, especially the first year. Maintenance is needed to insure survival. These ground covers will not be used unless proper maintenance is planned. Maintain mulch at three-inch theckness until plants provide adequate cover.

Fall planting is encouraged because the need for constant watering is reduced and plants have time to establish new roots before hot weather.

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT	PLANT SPACING	COMMENTS
Abelia	Abelia grandiflora	3-4 ft.	5 ft.	Also a prostrate form 2 feet high. Sun, semi-shade. Semi-evergreen.
Carolina Yellow Jasmine	Gelsemium sempervirens	low	3 ft.	Vine. Yellow, trumpet-like flowers. Hardy, one of the best vines. Evergreen. Native to Georgia.
Carpet Bugle	Ajuga reptans	2-4 in.	3 ft.	Needs good drainage, partial shade. Blue or white flowers. Evergreen.
Bearberry Cotoneaster	Cotoneaster dammeri	2-4 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen
Ground Cover Cotoneaster	Cotoneaster salicifoluis 'Repens'	1-2 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen
Rock Cotoneaster	Cotoneaster horizontalis	1-2 ft.	5 ft.	Semi-evergreen. Sun.
Virginia Creeper	Parthenocissue quinquefolia	low	3 ft.	Red in fall. Vine. Deciduous. Native to Georgia.
Daylily	Hemerocallis spp. quinquefolia	2-3 ft.	2 ft.	Many flower colors. Full sun. Very hardy.
English Ivy	Hedera helix	low	3 ft.	Shade only. Climbs.
Compacta Holly	Ilex crenata 'Compacta'	3-4 ft.	5 ft.	Sun, semi-shade.
Chinese Holly	Ilex cornuta 'Rotunda'	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Dwarf Burford Holly	Ilex burfordii 'Nana'	5-8 ft.	8 ft.	
Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Repandens Holly	Ilex crenata 'Repandens'	2-3 ft.	5 ft.	Sun, semi-shade.
Andorra Juniper	Juniperus horizontalis 'Plumosa'	2-3 ft.	5 ft.	Excellent for slopes. Sun.
Andorra Compacta Juniper	Juniperus horizontalis 'Plumosa, compacta'	1-2 ft.	5 ft.	More compact than andorra.
Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	8-10 in.	4 ft.	
Blue Rug Juniper	Juniperus horizontalis 'Wiltonii'	4-6 in.	3 ft.	Very low. Sun.
Parsons Juniper	Juniperus davurica 'Expansa' (Squamata Parsoni)	18-24 in.	5 ft.	One of the best, good winter cover.
Pfitzer Juniper	Juniperus chinensis 'Pfitzerana'	6-8 ft.	6 ft.	Needs room.
Prince of Wales Juniper	Juniperus horizontalis 'Prince of Wales'	8-10 in.	4 ft.	Feathery appearance.
Sargent Juniper	Juniperus chinensis 'Sargentii'	1-2 ft.	5 ft.	Full sun. Needs good drainage. Good winter color.
Shore Juniper	Juniperus conferta	2-3 ft.	5 ft.	Emerald Sea or Blue Pacicfic cultivars are good.
Liriope	Liriope muscari	8-10 in.	3 ft.	
Creeping Liriope	Liriope spicata	10-12 in.	1 ft.	Spreads by runners.
Big Leaf Periwinkle	Vinca major	12-15 in.	4 ft.	Lilac flowers in spring. Semi-shade.
Common Periwinkle	Vinca minor	5-6 in.	4 ft.	Lavender-blue flowers in spring. Semi-shade.
Cherokee Rose	Rose laevigata	2 ft.	5 ft.	Rampant grower. Not for restricted spaces. State flower.
Memoria Rose	Rose weuchuriana	2 ft.	5 ft.	Rampant grower.
St. Johnswort	Hypericum calycenum	8-12 in.	3 ft.	Semi-shade.
Anthony Water Spirea	Spirea bumalda	3-4 ft.	5 ft.	Sun.
Thunberg Spirea	Spirea thinbergii	3-4 ft.	5 ft.	Sun.

TREES FOR EROSION CONTROL

SITE	SOIL MATERIAL	COMMON SOILS	PLANTING TREE SPECIES 1/	SPACING	PLANTING DATES 3/
Borrow areas, graded areas, and spoil material	Sandy	Lakeland Troup	Loblolly pine (Pinus taeda) Longleaf pine (Pinus palustris)	2/	M-L, P12/1-3/15 C 12/1-3/1
	Loamy	Orangeburg, Tifton	Loblolly pine Slash pine	2/	M-L, P12/1-3/15 C 12/1-3/1
	Clay	Cecil, Faceville	Loblolly pine Slash pine Virginia pine (Pinus virginiana)	2/	M-L, P12/1-3/15 C 12/1-3/1
Streambanks			Willows 4/ (Salex species)	2 ft.x2ft.	ALL 11/15-3/15

1/ Other trees and shrubs listed in the previous tables may be interplanted with the pines for improved wildlife benefits.

2/ Type of Planting

	Tree Spacing	No. of Trees per Acre
Trees alone	4 ft.x4 ft.	2722
Trees in combination with grasses and/ or other plants	6 ft.x6 ft.	1210

3/ M-L represents the Mountains; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents the Southern Coastal Plain; Sand Hills; Black lands; and Atlantic Coast Flatwoods MLRAs
4/ Fertilization of companion crop is ample for this species.

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) Ds3

CONSTRUCTION SPECIFICATIONS INSTALLATION

Soil Preparation

Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils.

Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with herbicides or soil sterilants.

Mix fertilizer into soil surface. Fertilize based on soil tests or Table 6-6.1.

Table 6-6.1
Fertilizer Requirements for Soil Surface Application

Fertilizer Type	Fertilizer Rate (lbs./acre)	Fertilizer Rate (lbs./sq.ft.)	Season
10-10-10	1000	0.025	[illegible]

Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod (See Figure 6-6.2).

On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil.

Irrigate sod and soil to a depth of 4" immediately after installation.

Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

MATERIALS

Sod selected should be certified. Sod grown in the general area of the project is desirable.

1. Sod should be machine cut and contain ¾" (+ or - ¼") of soil, not including shoots or thatch.
2. Sod should be cut to the desired size within + or - 5%. Torn or uneven pads should be rejected.
3. Sod should be cut and installed within 36 hours of digging.
4. Avoid planting when subject to frost heave or hot weather if irrigation is not available.
5. The sod type should be shown on the plans or installed according to Table 6-6.2. Se Figure 6-4.1 for your Resource Area.

Table 6-6.2
Sod Planting Requirements

Grass	Varieties	Resource Area	Growing Season
[illegible]	[illegible]	M-L, P,C P,C P,C P,C	[illegible]
[illegible]	[illegible]	P,C	[illegible]
[illegible]	-	P,C	[illegible]
[illegible]	[illegible]	C	[illegible]
[illegible]	[illegible]	P,C	[illegible]
[illegible]	[illegible]	M-L,P	[illegible]

MAINTENANCE

Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified (See Figure 6-6.2).

Apply one ton of agricultural lime as indicated by soil test or every 4-6 years. Fertilize grasses in accordance with soil tests or Table 6-6.3.

Table 6-6.3
Fertilizer Requirements for Sod

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate ([illegible])	Nitrogen Top Dressing Rate ([illegible])
[illegible]	[illegible]	6-12-12 6-12-12 10-10-10	1500 1000 [illegible]00	50-100 - 30
[illegible]	[illegible]	6-12-12 6-12-12 10-10-10	1500 800 [illegible]00	50-100 50-100 30

[illegible] 4

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RD&A

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT # 2017 - 116
PROJECT MANAGER GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER RUSSELL E. DAVIS

GSWCC
Georgia Soil and Water Conservation Commission
Russell Davis #24598
Expires 12/01/2018

811
UTILITIES PROTECTION CENTER, INC.
Call 811 or toll-free 800-282-7411 throughout Georgia.
Outside Georgia call 770-623-4344 prior to all construction activities.
THE LOCATION OF UTILITIES ARE SHOWN FROM FIELD EVIDENCE.
OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN.
BEFORE CONSTRUCTION IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATOR INVESTIGATE ALL UNDERGROUND UTILITIES.

CONSTRUCTION DETAILS

SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: ECD-02

□O□ST□□□T□O□ S□E□F□□T□O□S

Sediment traps may be constructed on natural ground surface, on an excavated surface, or on machine compacted fill provided they have a non-erodible outlet.

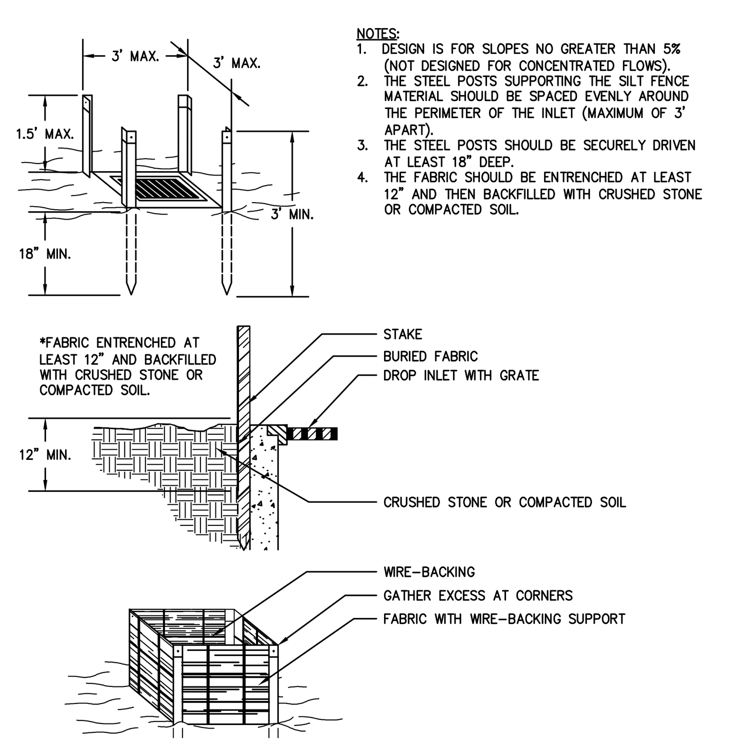
MAINTENANCE

Filter Fabric with Supporting Frame
This method of inlet protection is applicable where the inlet drains a relatively flat area (slope no greater than 5%) and shall not apply to inlets receiving concentrated flows, such as in street or highway medians. As shown in Figure 6-28.1, Type C silt fence supported by steel posts shall be used. The stakes shall be spaced evenly around the perimeter of the inlet a maximum of 3 feet apart, and securely driven into the ground, approximately 18 inches deep. The fabric shall be 36" tall and entrenched 12 inches and backfilled with crushed stone or compacted soil. Fabric and wire shall be securely fastened to the posts, and fabric ends must be overlapped a minimum of 18 inches or wrapped together around a post to provide a continuous fabric barrier around the inlet.Block and Gravel Drop Inlet Protection
This method of inlet protection is applicable whereheavy flows are expected and where an overflow capacity is necessary to prevent excessive ponding around the structure. As shown in Figure 6-21.3, one block is placed on each side of the structure on its side in the bottom row to allow pool drainage. The foundation should be excavated at least 2 inches below the crest of the storm drain. The bottom row of blocks are placed against the edge of the storm drain for lateral support and to avoid washouts when overflow occurs. If needed, lateral support may be given to subsequent rows by placing 2" x 4" wood studs through block openings. Hardware cloth or comparable wire mesh with 1/2 inch openings shall be fitted over all block openings to hold gravel in place. Clean gravel should be placed 2 inches below the top of the block on a 2:1 slope or flatter and smoothed to an even grade. DOT #57 washed stone is recommended
Curb Inlet Protection Sd2-P
Once pavement has been installed, a curb inlet filter shall be installed on inlets receiving runoff from disturbed areas. This method of inlet protection shall be removed if a safety hazard is created.
One method of curb inlet protection uses "pigs-in-ablanket" – 8-inch concrete blocks wrapped in filter fabric.
See Figure 6-28.6. Another method uses gravel bags constructed by wrapping DOT #57 stone with filter fabric, wire, plastic mesh, or equivalent material.
A gap of approximately 4 inches shall be left between the inlet filter and the inlet to allow for overflow and prevent hazardous ponding in the roadway. Proper installation and maintenance are crucial due to possible ponding in the roadway, resulting in a hazardous condition.
Several other methods are available to prevent the entry of sediment into storm drain inlets. Figure 6-28.7 shows of one of these alternative methods

The trap shall be inspected daily and after each rain and repairs made as needed.
Sediment shall be removed when the sediment has accumulated to one-half the height of the trap. Sediment shall be removed from curb inlet protection immediately.
For excavated inlet sediment traps, sediment shall be removed when one-half of the sediment storage capacity has been lost to sediment accumulation.
Sod inlet protection shall be maintained as specified in Ds4 – Disturbed Area Stabilization (With Sodding).
Sediment shall not be washed into the inlet. It shall be removed from the sediment trap and disposed of and stabilized so that it will not enter the inlet, again.
When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and either salvaged or disposed of properly.
The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.

Sd2□F FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

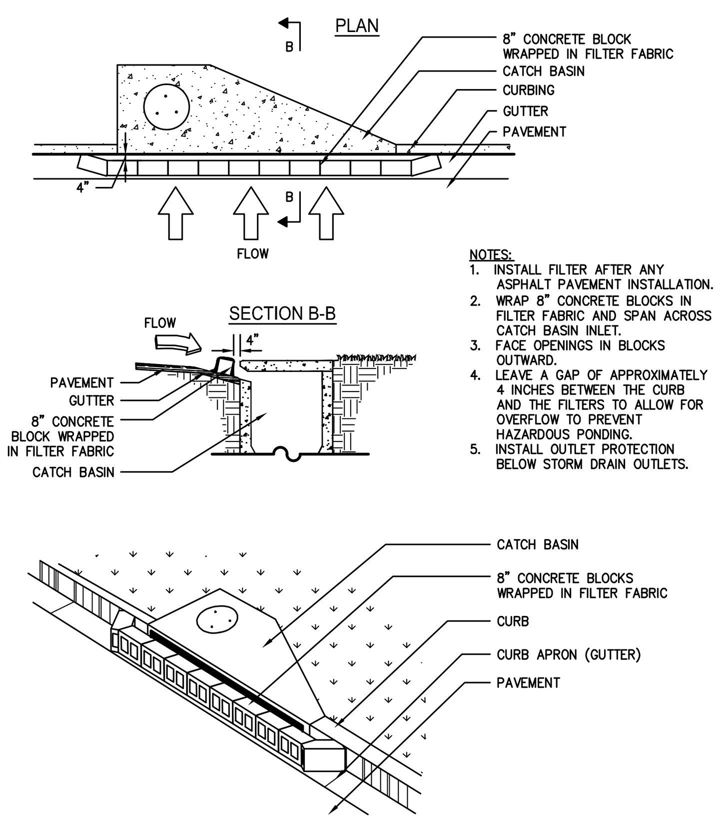
STEEL FRAME AND SILT FENCE INSTALLATION



NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

□□□ET SE□□ME□T T□□□ Sd2□F
□□TS□

Sd2□□ CURB INLET FILTER "PIGS IN BLANKET"



NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

□□□□ □□□ET F□□TE□ "□□□S □□ □□□□□□ET" Sd2□□
□□TS□

Slope Stabilization Ss

DEFINITION
A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

PURPOSE
To provide a cover layer that stabilizes the soil and acts as a rain drop impact dissipater while providing a microclimate that protects young vegetation and promotes its establishment. If using slope stabilization to reinforce channels, please refer to specification, **Ch- Channel Stablization**.

CONDITIONS
Slope stabilization can be applied to flat areas or slopes where the erosion hazard is high and slope protection is needed during the establishment of vegetation.

PLANNING CONSIDERATIONS
Care must be taken to choose the type of slope stabilization product that is most appropriate for the specific needs of a project. Two general types of slope stabilization products are discussed within this specification.

Rolled Erosion Control Products (RECP)
A natural fiber blanket with single or double photodegradable or biodegradable nets.

Hydraulic Erosion Control Products (HECP)
HECP shall utilize straw, cotton, wood or other natural based fibers held together by a soil binding agent that works to stabilize soil particles. Paper mulch should not be used for erosion control.

CRITERIA
Rolled Erosion Control Products (RECPs) and Hydraulic Erosion Control Products (HECPs):

- Installation and stapling of RECPs and application rates for the HECPs shall conform to manufacturer's guidelines for application
- Short-Term RECPs as a minimum shall be used to stabilize concentrated flow areas with a velocity less than 5ft/sec on slopes 3:1 or greater with a height of 10 feet or greater.

Materials – HECP
Hydraulic erosion control products shall be prepackaged from the manufacturer. Field mixing of performance enhancing additives will not be allowed. Fiberous components should be all natural or biodegradable.

Products shall be determined to be non-toxic in accordance with EPA-821-R-02-012.

Materials – RECP
Blankets shall be nontoxic to vegetation, seed, or wildlife. Products shall be determined to be non-toxic in accordance with EPA-821-R-02-012. At minimum, the plastic or biodegradable netting shall be stitched to the fibrous matrix to maximize strength and provide for ease of handling.

RECPs are categorized as follows:

a. Short-Term
(functional longevity 12 mo.)

i. Photodegradable
Straw blankets with a top and bottom side photo degradable net. The maximum size of the mesh should be openings of ½" X ½". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.35" and minimum density should be 0.5 lbs per square yard.

ii. Biodegradable
Straw blanket with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are

twisted together and then interwoven with cross direction strands (leno weave). The bottom net may be leno weave or otherwise to meet requirements. The approximate size of the mesh should be openings of 0.5" X 1.0". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.

b. Extended-Term
(functional longevity 24 mo.)

i.Photodegradable
Blankets that consist of 70% straw and 30% coconut with a top and bottom side photodegradable net. The top net should have ultraviolet additives to delay breakdown. The maximum size of the mesh should be openings of 0.65" X 0.65". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.35" and minimum density should be 0.6 lbs per square yard.

ii.Biodegradable
Blankets that consist of 70% straw and 30% coconut with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are twisted together and then interwoven with cross direction strands (leno weave). The bottom net may be leno weave or otherwise to meet requirements. The approximate size of the mesh should be openings of 0.5" X 1.0". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.65 lbs per square yard.

c. Long-Term
(functional longevity 36 mo.)

i. Photodegradable
Blankets that consist of 100% coconut with a top and bottom side photodegradable net. Each net should have ultraviolet additives to delay breakdown. The maximum size of the mesh should be openings of 0.65" X 0.65". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.3" and minimum density should be 0.5 lbs per square yard.

iii. Biodegradable
Blankets that consist of 100% coconut with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are twisted together and then interwoven with cross direction strands (leno weave). The bottom net may be leno weave or otherwise to meet requirements. The approximate size of the mesh should be openings of 0.5" X 1.0". The blanket should be sewn together on 1.5" centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.

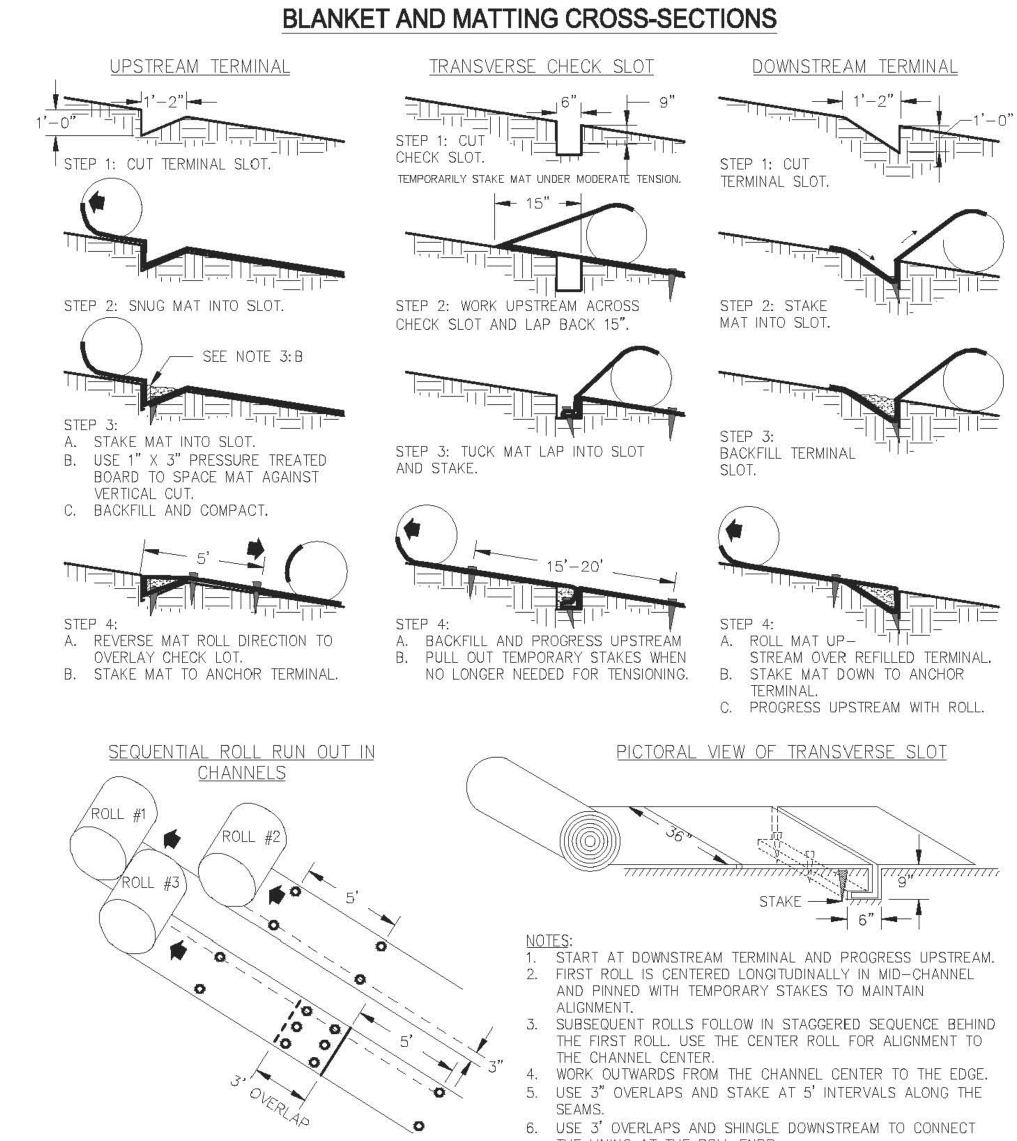
NOTES
It is the intention of this section to allow interchangeable use of RECPs and HECPs for erosion protection on slopes. The project engineer should select the type of erosion control product that best fits the need of the particular site.

Site Preparation
After the site has been shaped and graded to the approved design, prepare a friable seedbed relatively free from clods and rocks more than one inch in diameter, and any foreign material that will prevent contact of the soil stabilization mat with the soil surface. Surface must be smooth to ensure proper contact of blankets or matting to the soil surface. If necessary, redirect any runoff from the ditch or slope during installation.

MAINTENANCE
All erosion control blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until they become permanently stabilized.

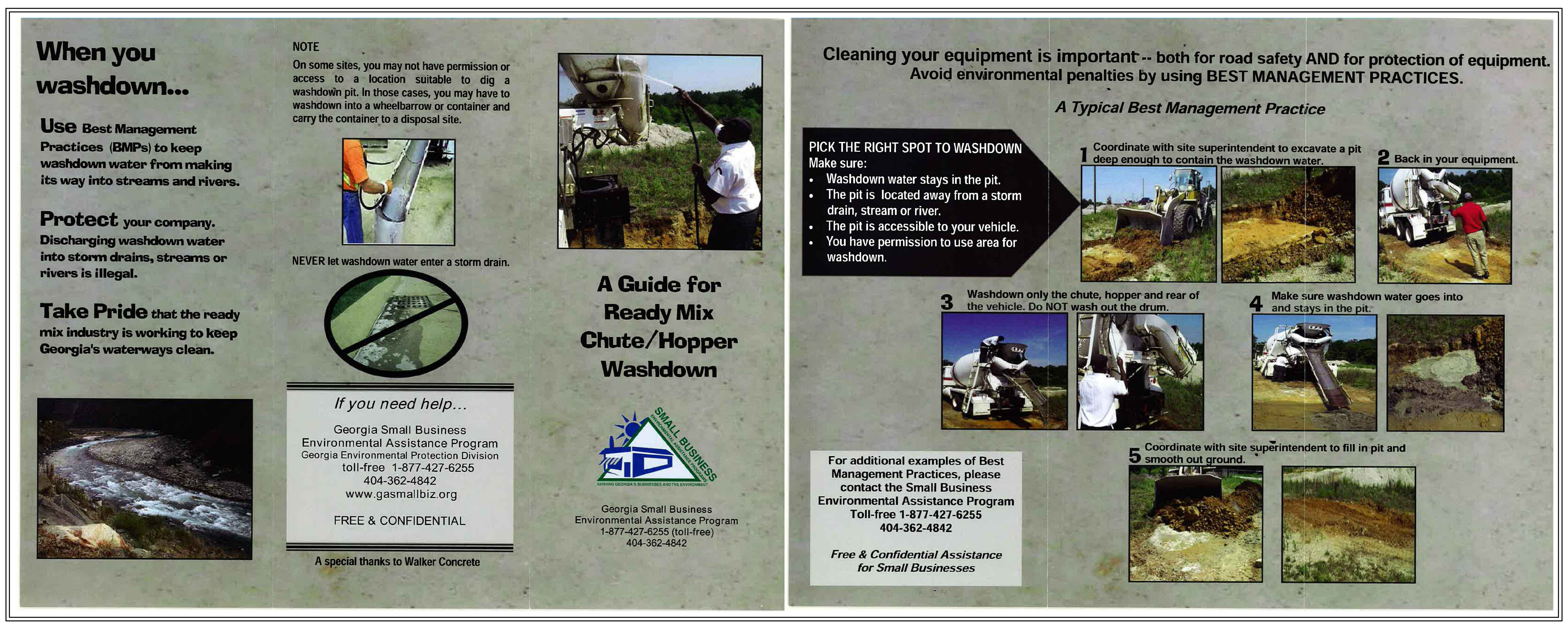
TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

BLANKET AND MATTING CROSS-SECTIONS



NOTES:
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
5. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets



When you washdown...

Use Best Management Practices (BMPs) to keep washdown water from making its way into streams and rivers.

Protect your company. Discharging washdown water into storm drains, streams or rivers is illegal.

Take Pride that the ready mix industry is working to keep Georgia's waterways clean.

NOTE
On some sites, you may not have permission or access to a location suitable to dig a washdown pit. In those cases, you may have to washdown into a wheelbarrow or container and carry the container to a disposal site.

NEVER let washdown water enter a storm drain.

If you need help...
Georgia Small Business Environmental Assistance Program
Georgia Environmental Protection Division
toll-free 1-877-427-6255
404-362-4842
www.gasmallbiz.org
FREE & CONFIDENTIAL

A special thanks to Walker Concrete

A Guide for Ready Mix Chute/Hopper Washdown

SMALL BUSINESS ENVIRONMENTAL ASSISTANCE PROGRAMS
SERVING GEORGIA'S BUSINESSES AND THE ENVIRONMENT

Georgia Small Business Environmental Assistance Program
1-877-427-6255 (toll-free)
404-362-4842

Cleaning your equipment is important -- both for road safety AND for protection of equipment. Avoid environmental penalties by using BEST MANAGEMENT PRACTICES.

A Typical Best Management Practice

PICK THE RIGHT SPOT TO WASHDOWN
Make sure:
- Washdown water stays in the pit.
- The pit is located away from a storm drain, stream or river.
- The pit is accessible to your vehicle.
- You have permission to use area for washdown.

1 Coordinate with site superintendent to excavate a pit deep enough to contain the washdown water.

2 Back in your equipment.

3 Washdown only the chute, hopper and rear of the vehicle. Do NOT wash out the drum.

4 Make sure washdown water goes into and stays in the pit.

5 Coordinate with site superintendent to fill in pit and smooth out ground.

For additional examples of Best Management Practices, please contact the Small Business Environmental Assistance Program
Toll-free 1-877-427-6255
404-362-4842

Free & Confidential Assistance for Small Businesses

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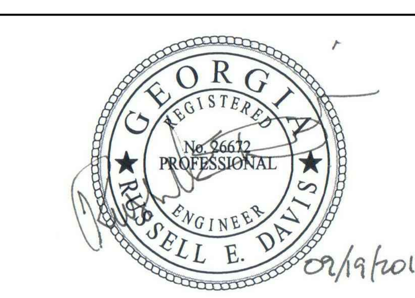
Commerce, Georgia 30529
(678) 935-2200
russdavispe.com

REVISION	DATE	DESCRIPTION

KAIZEN PROJECT #	2017 - 116
PROJECT MANAGER	GGD

PEACHTREE CREEK GREENWAY PHASE 1

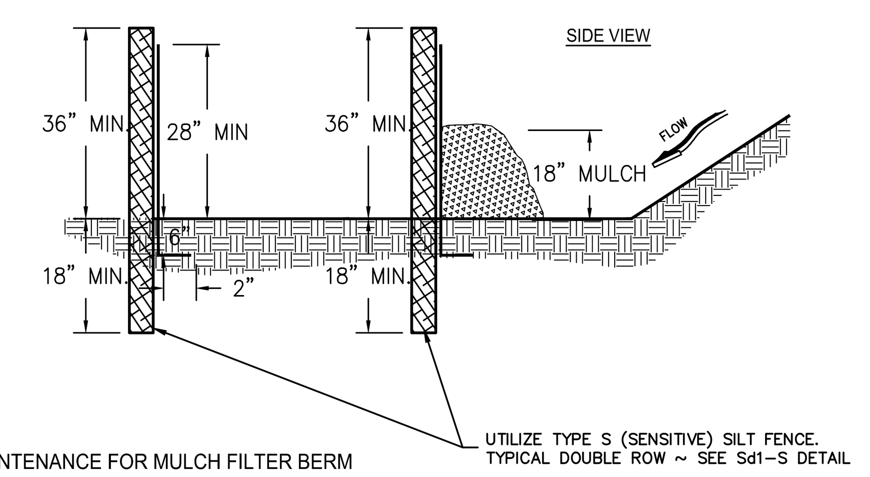
DEKALB COUNTY, GA



CONSTRUCTION DETAILS

SCALE:	1"=30'
DATE:	SEPTEMBER 13, 2018
SHEET NAME:	ECD-03

SILT FENCE WITH MULCH FILTER BERM



MAINTENANCE FOR MULCH FILTER BERM

1. Berm shall be reshaped and material added as necessary to maintain function and dimensions.
2. Breaches in the berm shall be repaired promptly.

NOTES FOR MULCH AND COMPOST FILTER BERM

1. The sediment control berm shall be placed uncompacted in a windrow at locations shown on the plans or as directed by the engineer.
2. Parallel to the base of the slope, or around the perimeter of other affected areas, construct a 1 to 3 foot high by 2.5 to 3 foot wide berm USE 1.5' x 3' For maximum water treatment ability or for steep slopes, construct a 1.5 to 3 foot high trapezoidal berm that is a minimum of 4 feet wide at the base USE 1.5' x 3' In extreme conditions, or where specified by the engineer, a second berm shall be constructed at the top of the slope. Engineer will specify berm requirements.
3. If berm is to be left as permanent or part of the natural landscape, the compost berm may be seeded during application for permanent vegetation.
4. Do not use compost or wood mulch berms in any runoff channels or concentrated flow areas.
5. Wood mulch shall consist of tree and shrub debris resulting from clearing and grubbing and shall be ground by the mechanical means such as a chipper, hammermill, tub grinder or other approved method. Mulch sizing varies with a maximum width of 2" and a maximum length of 10".

Channel Report

Hydraflow Express by Intelisolve — Thursday, Oct 5 2017

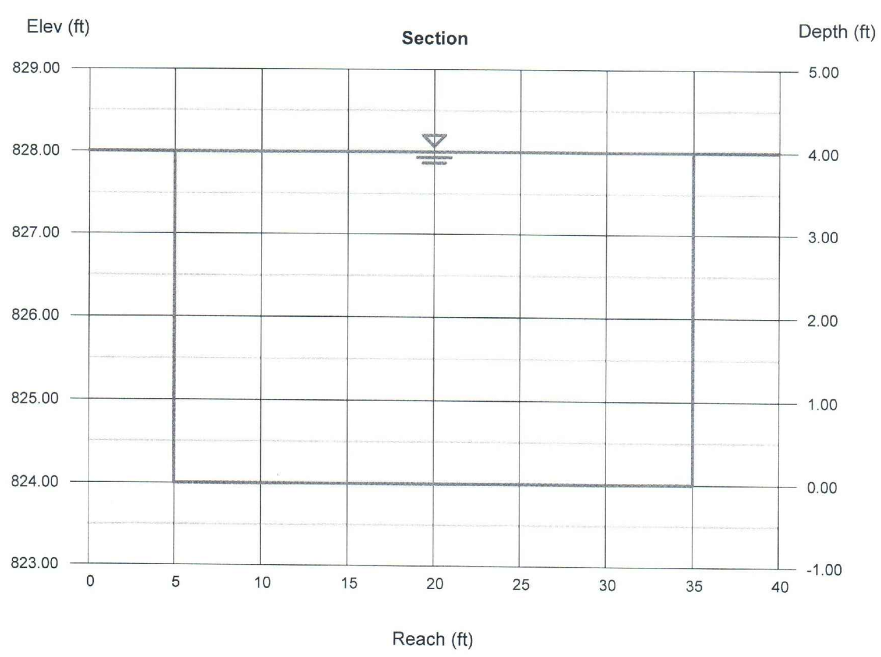
30' SPAN x 4' DEPTH

Rectangular
Botom Width (ft) = 30.00
Total Depth (ft) = 4.00

Invert Elev (ft) = 824.00
Slope (%) = 0.02
N-Value = 0.013

Calculations
Compute by: Q vs Depth
No. Increments = 10

Highlighted
Depth (ft) = 4.00
Q (cfs) = 417.71
Area (sqft) = 120.00
Velocity (ft/s) = 3.48
Wetted Perim (ft) = 38.00
Crit Depth, Yc (ft) = 1.64
Top Width (ft) = 30.00
EGL (ft) = 4.19



Culvert Report

Hydraflow Express by Intelisolve — Thursday, Oct 5 2017

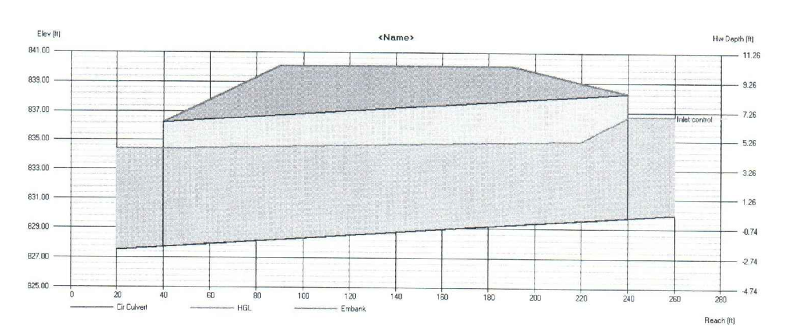
Cir Culvert

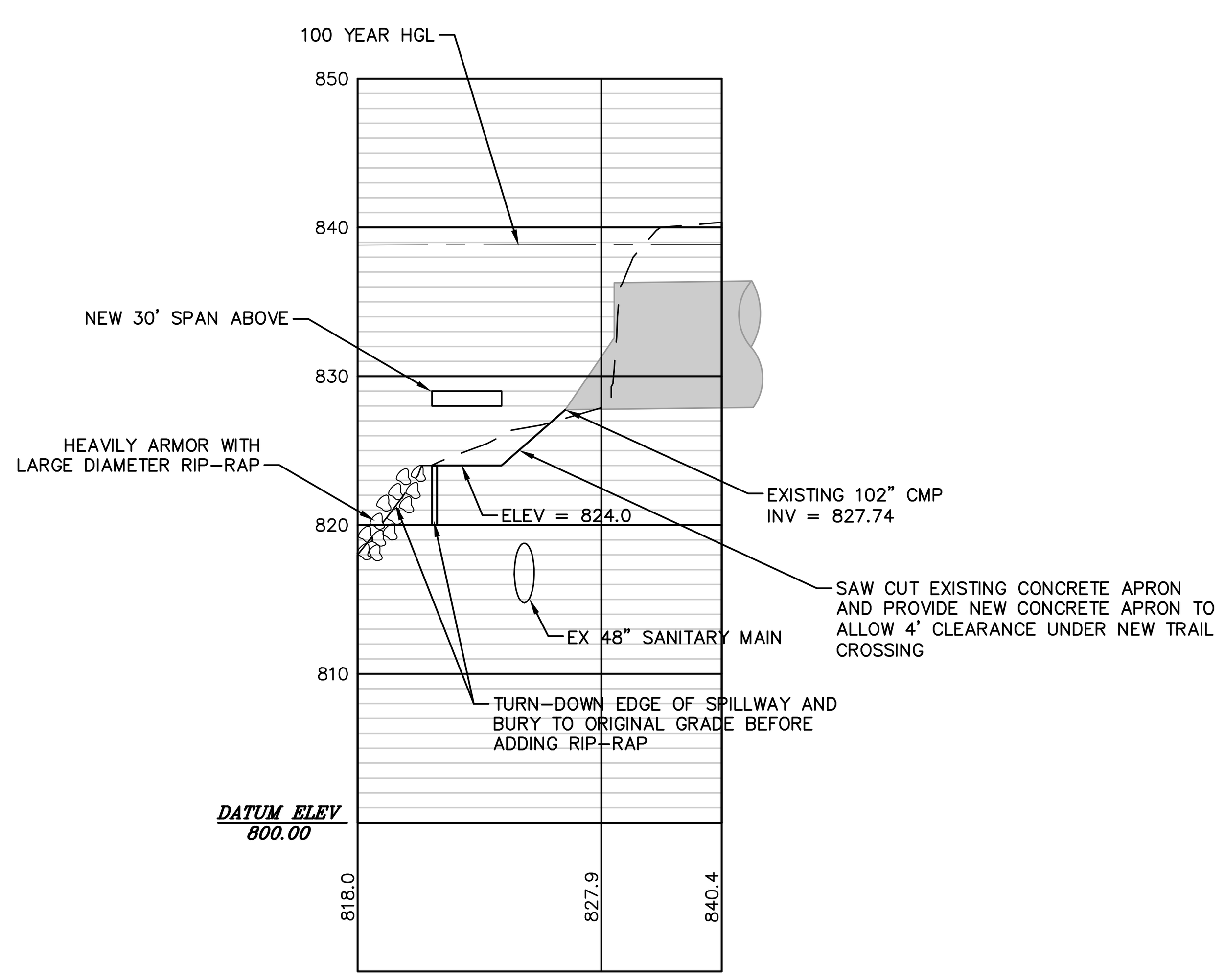
Invert Elev Dn (ft) = 827.74
Pipe Length (ft) = 200.00
Slope (%) = 1.00
Invert Elev Up (ft) = 829.74
Rise (in) = 102.0
Shape = Cir
Span (in) = 102.0
No. Barrels = 1
n-Value = 0.024
Inlet Edge = Projecting
Coeff. K,M,c,Y,k = 0.0045, 2, 0.0317, 0.69, 0.5

Embankment
Top Elevation (ft) = 840.06
Top Width (ft) = 100.00
Crest Width (ft) = 200.00

Calculations
Qmin (cfs) = 370.00
Qmax (cfs) = 440.00
Tailwater Elev (ft) = (dc+D)/2

Highlighted
Qtotal (cfs) = 370.00
Qpipe (cfs) = 370.00
Qovertop (cfs) = 0.00
Veloc Dn (ft/s) = 7.76
Veloc Up (ft/s) = 9.95
HGL Dn (ft) = 834.40
HGL Up (ft) = 835.04
Hw Elev (ft) = 836.68
Hw/D (ft) = 0.82
Flow Regime = Inlet Control





30' SPAN @ 102" CULVERT
1" = 30' HORIZONTAL
1" = 10' VERTICAL

Sediment Barrier – Compost Filter Sock

DEFINITION
Compost filter socks are a three-dimensional tubular sediment control and storm water runoff filtration device typically used for **perimeter control** of sediment and soluble pollutants (such as phosphorus and petroleum hydrocarbons), on and around construction activities. Compost filter socks trap sediment and soluble pollutants by *filtering* runoff water as it passes through the matrix of the compost filter socks *and* by allowing water to temporarily pond behind the compost filter socks, allowing *deposition* of suspended solids. Compost filter socks are also used to reduce runoff flow velocities on sloped surfaces.

PURPOSE
Compost filter socks are to be installed down slope of any disturbed area requiring erosion and sediment control and filtration of soluble pollutants from runoff. Compost filter socks are effective when installed perpendicular to sheet or low concentrated flow, and in areas that silt fence is normally considered appropriate. Acceptable applications include:

- Site perimeters
- Above and below disturbed areas subject to sheet runoff, interrill and rill erosion
- Above and below exposed and erodable slopes
- Along the toe of stream and channel banks
- Around area drains or inlets located in a 'sump'
- On compacted soils where trenching of silt fence is difficult or impossible
- Around sensitive trees where trenching of silt fence is not beneficial for tree survival or may unnecessarily disturb established vegetation.
- On frozen ground where trenching of silt fence is impossible.
- On paved surfaces where trenching of silt fence is impossible.

CONDITIONS
Compost filter socks should be installed where runoff can be filtered without damaging the compost filter sock or the area behind the sock.

C. Moisture content of less than 60% in accordance with standardized test methods for moisture determination.
D. Material shall be relatively free (<1% by dry weight) of inert or foreign man made materials.
E. A sample shall be submitted to the Engineer for approval prior to being used and must comply with all local, state and federal regulations.

CONSTRUCTION SPECIFICATIONS
The compost filter sock shall be installed according to this specification, as shown on the plans or as directed by the engineer. For installation of the compost filter sock see Figure 1.

1. Compost filter socks should be installed parallel to the base of the slope or other disturbed area. In extreme conditions (i.e., 2:1 slopes), a second compost filter sock shall be constructed at the top of the slope.
2. Stakes shall be installed through the middle of the compost filter sock on 10 ft (3m) centers, using 2 in (50mm) by 2 in (50mm) by 3 ft (1m) wooden stakes. In the event staking is not possible, i.e., when compost filter socks are used on pavement, heavy concrete blocks shall be used behind the compost filter socks to help stabilize during rainfall/runoff events.
3. Staking depth for sand and silt loam soils shall be 12 in (300mm), and 8 in (200mm) for clay soils.
4. Loose compost may be backfilled along the upslope side of the compost filter sock, filling the seam between the soil surface and the device, improving filtration and sediment retention.
5. If the compost filter sock is to be left as a permanent filter or part of the natural landscape, it may be seeded at time of installation for establishment of permanent vegetation. The engineer will specify seed requirements.
6. Compost filter socks are not to be used in perennial, ephemeral, or intermittent streams.

MAINTENANCE
Sediment shall be removed once it has accumulated to one-half the original height of the barrier. Compost filter socks shall be replaced whenever it has deteriorated to such an extent that the effectiveness of compost filter sock is reduced. Compost filter socks shall remain in place until disturbed areas have been permanently stabilized. All sediment accumulation at the compost filter sock shall be removed and properly disposed of before the compost filter sock is removed.

DESIGN CRITERIA
Compost filter socks are designed to retain sediment transported in sheet flow from disturbed areas. Compost filter socks perform the same function as silt fence, allow a higher flow rate, and are usually faster and cheaper to install. Where all runoff is to be treated by the compost filter sock the maximum slope length behind the compost filter sock shall not exceed those shown in Table 1. The drainage area shall not exceed ¼ acre for every 100 ft of compost filter sock.

The sediment and pollutant removal process characteristic to compost filter socks combines both filtering and deposition from settling solids. This is different than methods that rely on ponding for deposition of solids for sediment control, such as silt fence. Ponding occurs when water flowing to the compost filter sock accumulates faster than the hydraulic flow through rate of the compost filter sock. Hydraulic flow-through rates for compost filter socks are 50% greater than silt fence filter fabric. Greater hydraulic flow-through rates reduce ponding. Compost filter sock mesh netting shall meet the netting specification in Table 2. Compost filter socks shall meet the specifications in Table 3. Compost used in compost filter socks shall meet the specification described under Compost Filter Media Specifications.

CRITERIA FOR COMPOST FILTER SOCK PLACEMENT

Land Slope	Maximum Slope Length Above Compost Filter Sock
Percent	Feet
<2	100
2 to 5	75
5 to 10	50
10 to 20	25
>20*	15
*In areas where the slope is greater than 20%, a flat area length of 10 ft between the toe of the slope to the compost filter sock should be provided.	

Table 1

A 12 inch diameter compost filter sock shall be used on developments where the life of the project is greater than or equal to six months. A 12 inch diameter compost filter sock may also be used on minor projects, such as residential home sites or small commercial developments.

COMPOST FILTER MEDIA SPECIFICATIONS
Compost used for compost filter sock filler material (filter media) shall be weed free and derived from a well-decomposed source of organic matter. The compost shall be produced using an aerobic composting process meeting CFR 503 regulations including time and temperature data. The compost shall be free of any refuse, contaminants or other materials toxic to plant growth. Non-composted products will not be accepted. Test methods for the items below should follow US Composting Council Test Methods for the Examination of Composting and Compost guidelines for laboratory procedures:

A. PH – 5.0-8.0 in accordance with TMECC 04.11-A, "Electrometric pH Determinations for Compost"
B. Particle size – 99% passing a 2 in (50mm) sieve and a maximum of 40% passing a 3/8 in (9.5mm) sieve, in accordance with TMECC 02.02-B, "Sample Sieving for Aggregate Size Classification". *(Note- In the field, product commonly is between ½ in [12.5mm] and 2 in [50mm] particle size.)*

FIGURE 1

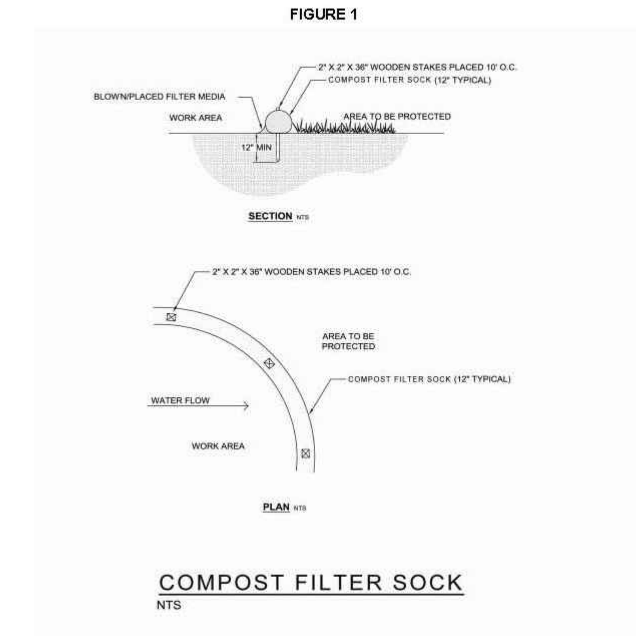


Table 2.

Material Type	Multi-Filament Polypropylene	Multi-Filament Polypropylene
Material Characteristic	Photodegradable	Photodegradable
Mesh Opening	3/8 in (10mm)	1/8 in (3mm)
Tensile Strength (ASTM 5035-95)	44 psi (3.09 kg/cm^2)	202 psi (14.2 kg/cm^2)*
% Original Strength from Ultraviolet Exposure (ASTM G-155)	100% at 1000 hr	100% at 1000 hr

Table 3.

	12 in (300mm) Diameter
Effective Circumference	38 in (960mm)
Density (when filled)	32 lbs/ft (50 kg/m)
Air Space	20%
Hydraulic Flow Through Rate	11.3 gpm/ft (141 L/min/m)
P Factor (RUSLE)	0.1-0.32

Dust Control on Disturbed Areas — Du

DEFINITION
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE
- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS
This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

Mulches. See standard **Ds1 - Disturbed Area Stabilization (With Mulching Only)**. Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification **Tac - Tackifiers**. Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification **Ds2 - Disturbed Area Stabilization (With Temporary Seeding)**.

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification **Tac - Tackifiers**.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

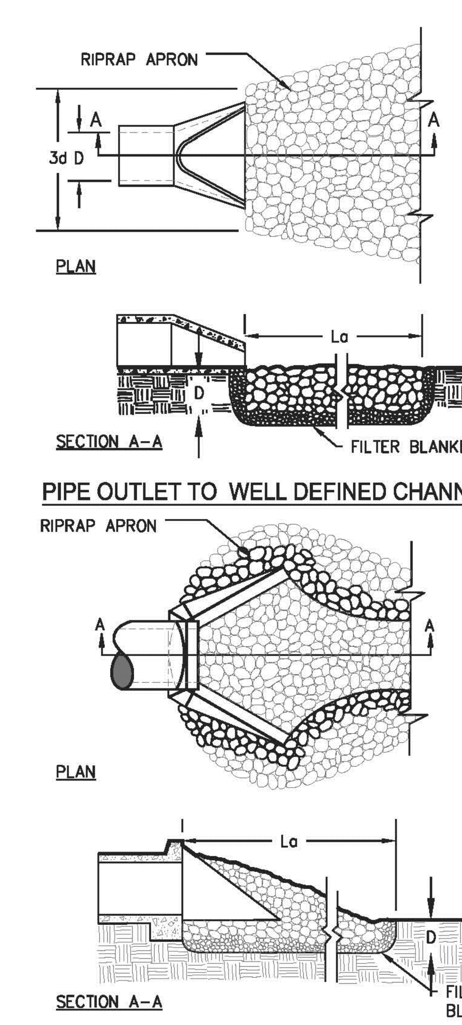
B. Permanent Methods

Permanent Vegetation. See specification **Ds3 -Disturbed Area Stabilization (With Permanent Vegetation)**. Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See specification **Tp - Topsoiling**.

Stone. Cover surface with crushed stone or coarse gravel. See specification **Cr-Construction Road Stabilization**.

St RIPRAP OUTLET PROTECTION



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

Figure 6-34.3 - Riprap Outlet Protection (Modified From Va SWCC)

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Commerce, Georgia 30529
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REVISION	DATE	DESCRIPTION

KAIZEN PROJECT # 2017 - 116
PROJECT MANAGER GGD

PEACHTREE CREEK GREENWAY PHASE 1

DEKALB COUNTY, GA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20672 RUSSELL E. DAVIS 9/19/2017

CONSTRUCTION DETAILS

SCALE: 1"=30'
DATE: SEPTEMBER 13, 2018
SHEET NAME: ECD-04