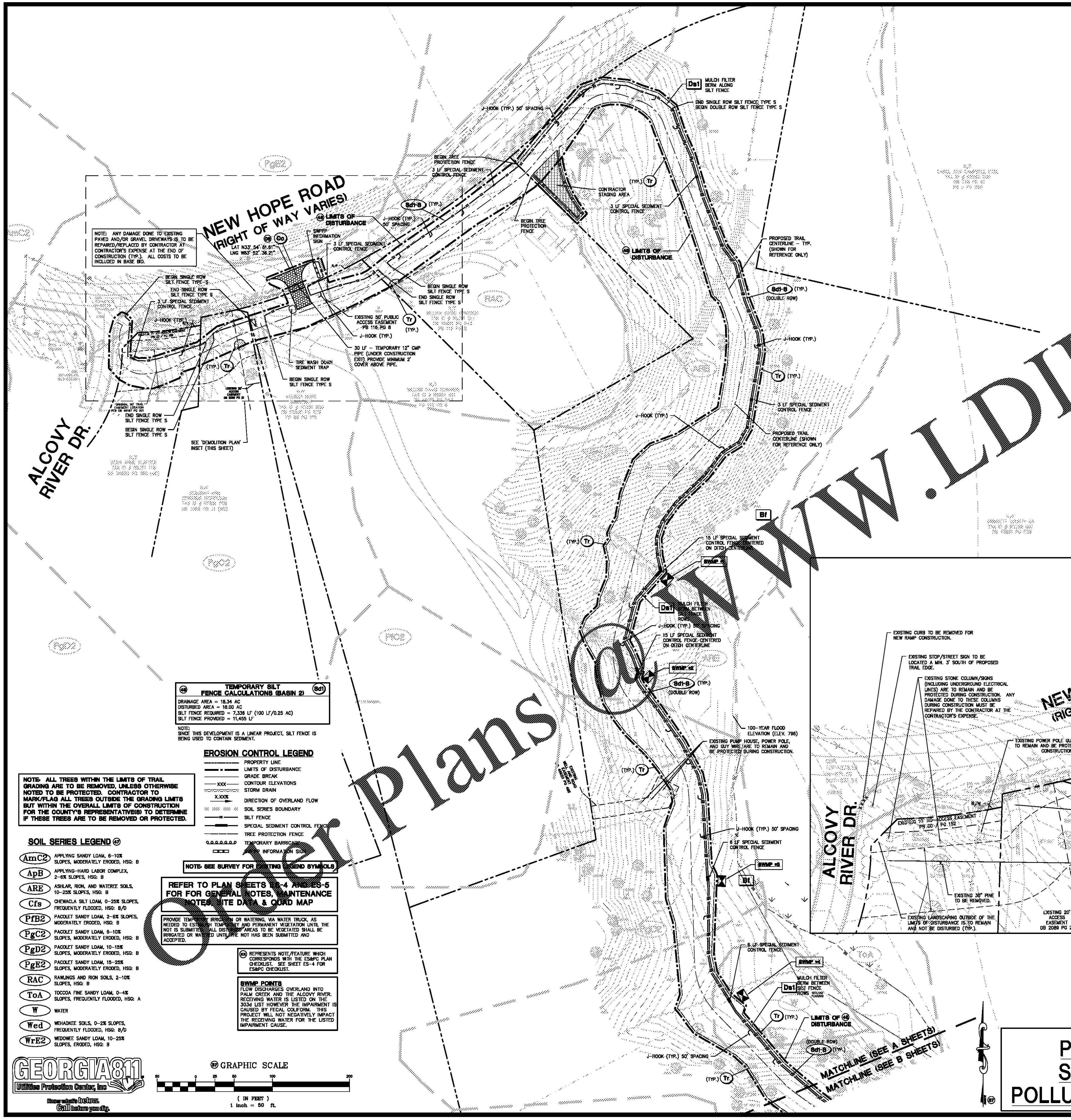


TEMPORARY SILT FENCE CALCULATIONS (BASIN 2)

DRAINAGE AREA = 18.34 AC
DISTURBED AREA = 18.00 AC
SILT FENCE REQUIRED = 7,336 LF (100 LF/0.25 AC)
SILT FENCE PROVIDED = 11,455 LF

NOTE:
SINCE THIS DEVELOPMENT IS A LINEAR PROJECT, SILT FENCE IS BEING USED TO CONTAIN SEDIMENT.

EROSION CONTROL LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- GRADE BREAK
- CONTOUR ELEVATIONS (XXX)
- STORM DRAIN
- DIRECTION OF OVERLAND FLOW (X.XX%)
- SOIL SERIES BOUNDARY
- SILT FENCE
- SPECIAL SEDIMENT CONTROL FENCE
- TREE PROTECTION FENCE
- TEMPORARY BARRICADE
- SWPPP INFORMATION SIGN

NOTE: SEE SURVEY FOR EXISTING LEGEND SYMBOLS

NOTE: ALL TREES WITHIN THE LIMITS OF TRAIL GRADING ARE TO BE REMOVED, UNLESS OTHERWISE NOTED TO BE PROTECTED. CONTRACTOR TO MARK/FLAG ALL TREES OUTSIDE THE GRADING LIMITS BUT WITHIN THE OVERALL LIMITS OF CONSTRUCTION FOR THE COUNTY'S REPRESENTATIVE(S) TO DETERMINE IF THESE TREES ARE TO BE REMOVED OR PROTECTED.

SOIL SERIES LEGEND

AmC2	APPLYING SANDY LOAM, 6–10% SLOPES, MODERATELY ERODED, HSG: B
ApB	APPLYING–HARD LABOR COMPLEX, 2–6% SLOPES, HSG: B
ARE	ASHLAR, RION, AND WATEREE SOILS, 10–25% SLOPES, HSG: B
Cfs	CHEWACLA SILT LOAM, 0–25% SLOPES, FREQUENTLY FLOODED, HSG: B/D
PfB2	PACOLET SANDY LOAM, 2–6% SLOPES, MODERATELY ERODED, HSG: B
PgC2	PACOLET SANDY LOAM, 6–10% SLOPES, MODERATELY ERODED, HSG: B
PgD2	PACOLET SANDY LOAM, 10–15% SLOPES, MODERATELY ERODED, HSG: B
PgE2	PACOLET SANDY LOAM, 15–25% SLOPES, MODERATELY ERODED, HSG: B
RAC	RAWLINGS AND RION SOILS, 2–10% SLOPES, HSG: B
ToA	TOCCOA FINE SANDY LOAM, 0–4% SLOPES, FREQUENTLY FLOODED, HSG: A
W	WATER
Wed	WEHADKEE SOILS, 0–2% SLOPES, FREQUENTLY FLOODED, HSG: B/D
WrE2	WEDOWEE SANDY LOAM, 10–25% SLOPES, ERODED, HSG: B

REFER TO PLAN SHEETS ES-4 AND ES-5 FOR FOR GENERAL NOTES, MAINTENANCE NOTES, SITE DATA & QUAD MAP

PROVIDE TEMPORARY IRRIGATION OR WATERING, VIA WATER TRUCK, AS NEEDED TO ESTABLISH TEMPORARY AND PERMANENT VEGETATION UNTIL THE NOT IS SUBMITTED. ALL DISTURBED AREAS TO BE VEGETATED SHALL BE IRRIGATED OR WATERED UNTIL THE NOT HAS BEEN SUBMITTED AND ACCEPTED.

(XX) REPRESENTS NOTE/FEATURE WHICH CORRESPONDS WITH THE ES&PC PLAN CHECKLIST. SEE SHEET ES-4 FOR ES&PC CHECKLIST.

SWMP POINTS
FLOW DISCHARGES OVERLAND INTO PALM CREEK AND THE ALCOVY RIVER. RECEIVING WATER IS LISTED ON THE 303d LIST HOWEVER THE IMPAIRMENT IS CAUSED BY FECAL COLIFORM. THIS PROJECT WILL NOT NEGATIVELY IMPACT THE RECEIVING WATER FOR THE LISTED IMPAIRMENT CAUSE.

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

USER dnewin – Oct 01, 2019 – 4:10pm
Z:\all project data\Projects\2018\18-ld-068 harbins park trail, gwin co, ga\LD\production\production drawings\18-LD-068 MAIN.dwg – LAYOUT: ES-1A

MULCHING SCHEDULE (Ds1)

MULCHING MATERIAL	RATE/ACRE
DRY STRAW OR HAY	2.5 TONS (6 TO 8" DEEP)
WOOD WASTE, CHIPS, SAWDUST, OR BARK	6 TO 9 TONS (2 TO 3" DEEP)

TEMPORARY SEEDING SCHEDULE (Ds2)

SPECIES (MIXTURE OF)	RATE/ACRE	PLANTING DATES
SUDAN (SWEET OR TIFT)	60 LBS	APRIL1–AUG 31
ANNUAL RYE GRASS	28 LBS	AUG 15–DEC 31

NOTE: APPLY LIME AT THE RATE OF 1 TON/ACRE
REFER TO ES-7 FOR FERTILIZER REQUIREMENTS

PERMANENT SEEDING SCHEDULE (Ds3)

SPECIES	RATE/ACRE	PLANTING DATES
COMMON BERMUDA (HULLED) (CYNODON DACTYLON)	10 LBS	MARCH 1–JUNE 30
COMMON BERMUDA (UNHULLED) (CYNODON DACTYLON)	10 LBS	JAN 1–FEB 28
BAHIA PENSACOLA (PASPALUM NOTATUM)	60 LBS	JAN 1–DEC 31

NOTE: APPLY LIME AT THE RATE OF 1 TON/ACRE
REFER TO ES-7 FOR FERTILIZER REQUIREMENTS

24 HR LOCAL EMERGENCY CONTACT

THOMAS HUNTER HYDE (770)447-8999
WOLVERTON & ASSOC.

(CONTRACTOR'S NAME) (PHONE NUMBER)

NOTE: CONTRACTOR TO PROVIDE UPDATED INFORMATION ONCE CONTRACT IS AWARDED.

ACREAGE SUMMARY (IN ACRES)

SITE AREA	637.87 AC±
ON-SITE DISTURBED AREA	15.00 AC±
OFF-SITE DISTURBED AREA	00.00 AC±
TOTAL DISTURBED AREA (MUST MATCH NOI)	15.00 AC±
IMPERVIOUS AREA AT COMPLETION	3.16 AC±
PERVIOUS AREA AT COMPLETION	11.84 AC±

CONSERVATION COMMISSION NOTES

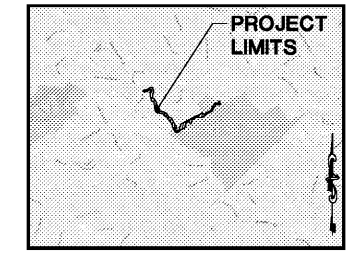
(20) **EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.**

(19) **THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES.**

ALL EROSION & SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY AFTER ONSITE INSPECTION BY THE ISSUING AUTHORITY.

(21) **ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABLIZED WITH MULCH OR TEMPORARY SEEDING.**

(24) **NOTE: CONCRETE WASH DOWN SHALL BE LOCATED ONSITE IN A PLACE AGREED UPON BY CONTRACTOR AND DEVELOPER. CONTRACTOR TO NOTE LOCATION AND PLACE ONCE SELECTED.**



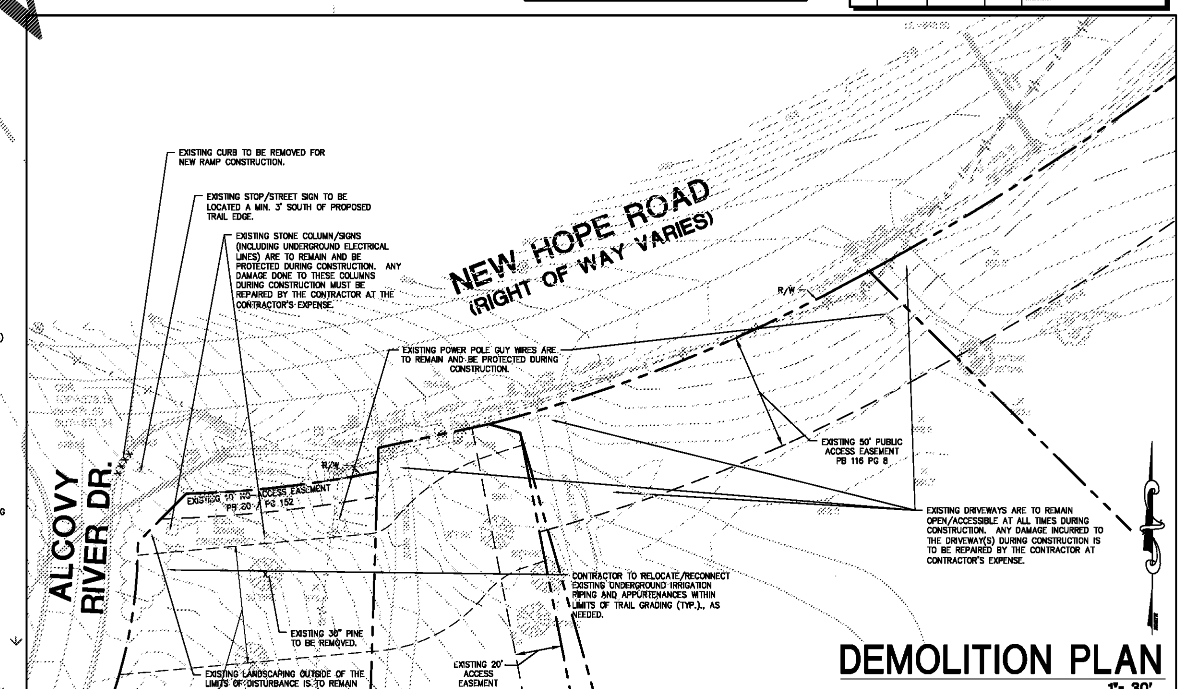
(10) LOCATION MAP
NOT TO SCALE

STRUCTURAL PRACTICES

CODE	PRACTICE	DESCRIPTION
Cd-S	CHECK DAM	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION	Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Dl	DIVERSION	An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Sd1	SEDIMENT BARRIER	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sg	SILT CONTROL GATES	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Sr-C	TEMPORARY STREAM CROSSING	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Tp	TOPSOILING	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION	To protect desirable trees from injury during construction activity.

VEGETATIVE PRACTICES

CODE	PRACTICE	DESCRIPTION
Bf	BUFFER ZONE	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Du	DUST CONTROL ON DISTURBED AREAS	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ss	SLOPE STABILIZATION	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.



DEMOLITION PLAN
1"= 30'

PHASE I EROSION SEDIMENTATION & POLLUTION CONTROL PLAN

GWINNETT COUNTY
Department of Planning and Development
These project documents have been reviewed by applicable County Departments and have been found to be in substantial compliance with the applicable codes and regulations.
Oct 08, 2019
AUTHORIZED

GWINNETT COUNTY CASE # CDP2018-00236

FOR PERMIT ONLY

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www.wolvertoninc.com

GEORGIA REGISTERED No. 30410 PROFESSIONAL ENGINEER T. HUNTER HYDE
GSWCC# 22364
ISS. 05/16/2018
EXP. 05/16/2021

Project Title
LLOYD N. HARRIS TRAIL @ HARBINS PARK
2995 LUKE EDWARDS ROAD
BY: GWINNETT COUNTY DEPT. OF COMMUNITY SERVICES
LAWRENCEVILLE, GEORGIA
5TH DISTRICT, LAND LOT 251, PARCEL ID# R5262 003

REVISIONS	BY

DRAWN BY	DMN
CHECKED BY	THH
DATE	09/25/2019
SCALE	1"= 50'
JOB No.	18-LD-068
SHEET NUMBER	ES-1A

18-LD-068 MAIN.DWG

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