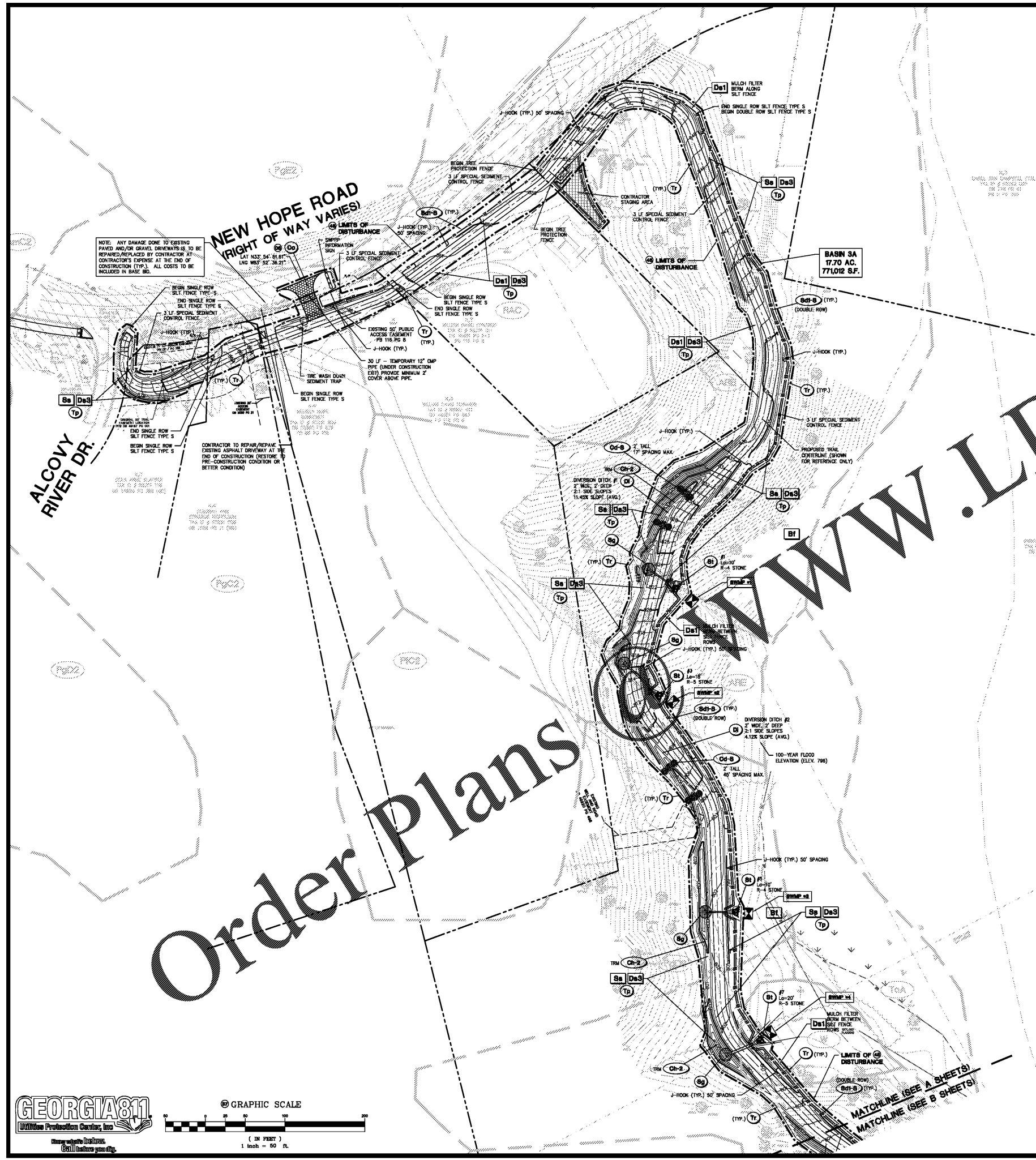


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 2: Full project: G:\Projects\GIS\18-008\18-008.mxd
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 2: Full project: G:\Projects\GIS\18-008\18-008.mxd
 User: gisadmin
 Project: 18-008.mxd
 User: gisadmin
 Date: 10/05/2018 4:16:00 PM



Order Plans

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MULCHING SCHEDULE (D1)Ⓞ

MULCHING MATERIAL	RATE/ACRE
DRY STRAW OR HAY	2.5 TONS (8 TO 10" DEEP)
WOOD WASTE, CHIPS, SAWDUST, OR BARK	6 TO 8 TONS (2 TO 3" DEEP)

TEMPORARY SEEDING SCHEDULE (D2)Ⓞ

SPECIES (MIXTURE OF)	RATE/ACRE	PLANTING DATES
SUDAN (SWEET OR TIFT)	60 LBS	APRIL-1-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 (D3)Ⓞ

SPECIES	RATE/ACRE	PLANTING DATES
COMMON BERMUDA (MULLED) (CYNODON DACTYLON)	10 LBS	MARCH-JUNE 30
COMMON BERMUDA (UNMULLED) (CYNODON DACTYLON)	10 LBS	JAN 1-FEB 28
BAMA PENSACOLA (PASPALUM STATIMUM)	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 HYDROLOGICAL ASSOC. (770)447-8999
 (CONTRACTOR'S NAME) (PHONE NUMBER)
 NOTE: CONTRACTOR TO PROVIDE UPDATED INFORMATION ONCE CONTRACT IS AWARDED.

ACREAGE SUMMARY (IN ACRES)

SITE AREA	637.67 AC.
ON-SITE DISTURBED AREA	15.00 AC.
OFF-SITE DISTURBED AREA	00.00 AC.
TOTAL DISTURBED AREA (MUST MATCH NO)	15.00 AC.
IMPERVIOUS AREA AT COMPLETION	3.16 AC.
PERVIOUS AREA AT COMPLETION	11.84 AC.

CONSERVATION COMMISSION NOTES

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.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-USE/DEVELOPMENT 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 ON-SITE INSPECTION BY THE ISSUING AUTHORITY.

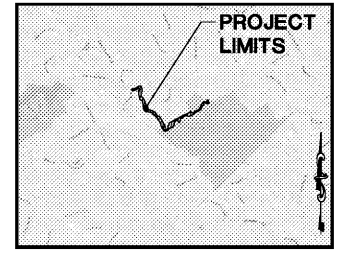
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NOTE: CONCRETE WASH DOWN SHALL BE LOCATED ON-SITE IN A PLACE AGREED UPON BY CONTRACTOR AND DEVELOPER. CONTRACTOR TO NOTE LOCATION AND PLACE ONCE SELECTED.

SOIL SERIES LEGEND Ⓞ

AmC2	APPLYING SANDY LOAM, 0-10% SLOPES, MODERATELY ERODED, HSG: B
ApB	APPLYING HARD LABOR COMPLEX, 2-8% SLOPES, HSG: B
ARE	ASHLAR, IRON, AND WATERIE SOILS, 10-20% SLOPES, HSG: B
Cfs	OVERBANK SILT LOAM, 0-25% SLOPES, FREQUENTLY FLOODED, HSG: B/7
PrB2	PACOLET SANDY LOAM, 2-8% SLOPES, MODERATELY ERODED, HSG: B
PgC2	PACOLET SANDY LOAM, 8-10% 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 RICH SOILS, 2-10% SLOPES, HSG: B
ToA	TOCOSA FINE SANDY LOAM, 0-4% SLOPES, FREQUENTLY FLOODED, HSG: A
W	WATER
Wed	WEHADKEE SOILS, 0-2% SLOPES, FREQUENTLY FLOODED, HSG: B/7
WrE2	WEHADKEE SANDY LOAM, 10-20% SLOPES, ERODED, HSG: B

NOTE: ALL TREES WITHIN THE LIMITS OF TRAIL GRADING ARE TO BE REMOVED, UNLESS OTHERWISE NOTED TO BE PROTECTED. CONTRACTOR TO MAINTAIN 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.



STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
D1	MULCHING			Mulching material applied to bare soil to prevent erosion and retain moisture.
D2	SEEDING			Temporary seeding to stabilize soil until permanent vegetation is established.
D3	PERMANENT SEEDING			Permanent seeding to provide long-term erosion control.
D4	CONCRETE WASH DOWN			Structure to capture sediment from concrete wash-down water.
D5	SEDIMENT TRAP			Structure to capture sediment from runoff before it enters a water body.
D6	SEDIMENT BARRIAGE			Structure to slow down runoff and allow sediment to settle.
D7	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D8	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D9	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D10	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D11	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D12	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D13	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D14	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D15	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D16	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D17	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D18	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D19	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.
D20	SEDIMENT CONTROL FENCE			Structure to slow down runoff and allow sediment to settle.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
B1	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B2	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B3	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B4	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B5	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B6	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B7	VEGETATION			Establishment of permanent vegetation to stabilize soil.
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B18	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B19	VEGETATION			Establishment of permanent vegetation to stabilize soil.
B20	VEGETATION			Establishment of permanent vegetation to stabilize soil.

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
---	STORM DRAIN
---	DIRECTION OF OVERLAND FLOW
---	SOIL SERIES BOUNDARY
---	SILT FENCE
---	SPECIAL SEDIMENT CONTROL FENCE
---	TREE PROTECTION FENCE
---	TEMPORARY BARRIAGE
---	SWPPP INFORMATION SIGN

NOTE: SEE SURVEY FOR EXISTING LEGEND SYMBOLS

REFER TO PLAN SHEETS ES-4 AND ES-5 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.

REPRESENTS NOTE/FEATURE WHICH CORRESPONDS WITH THE ESMP PLAN CHECKLIST. SEE SHEET ES-4 FOR ESMP CHECKLIST.

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

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 # CDP2018-00288

PHASE III EROSION SEDIMENTATION & POLLUTION CONTROL PLAN

GEORGIA811
 UNIFORM PRODUCTION CONTROL PLAN

GRAPHIC SCALE
 1 inch = 50 ft.

WOLVERTON
 Engineering Solutions You Can Trust
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 Phone: (770) 962-1000
 Fax: (770) 962-1001
 www.wolverton.com

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

DATE
 09/25/2019

SCALE
 1" = 50'

JOB NO.
 18-LD-088

SHEET NUMBER
 ES-3A

DRAWN BY
 DMN

CHECKED BY
 THH

FOR PERMIT ONLY

18-LD-088 MAIN.DWG