PLANT NORTH

S61°08'37"E 286.33

RIP-RAP
OVERFLOW
Sediment Basin SIZE: 45' x 55' x 3' deep
RIP-RAP
±45'
±55'
WOODED AREA
EARTHEN BERM
Diversion Ditch
VEGETATIVE GRASS BUFFER
±63'
±225'
CURING PAD AREA LIMITS
CURING PAD AREA
BERM
±176'
±210'
VEGETATIVE GRASS LIMITS
Diversion Ditches (typ)
±351'
Ex. 12" Culvert
30'
±364'
DRAINAGE SWALE
WOODCHIP LIMITS
BIOFILTER
Clay Ash Pad Under Bio-Filter
6" Perforated Drain Pipe @ 36' O.C.
Bio-Filter Pad (Typ.)
±110'
GRADING AREA
98'
30" Header Duct
EX. BERM (TYP)
Existing Permanent Sediment Basin 70' x 85' x 4'
3:1 SLOPE
VEGETATIVE GRASS BUFFER
±91.5'
±36'
120,000 Gal. Storage Tank
6" Gate Valve @ Tank
Blender Pump
Pump House 14.5'x14.5'
4" Steel Pipe
20,000 GAL. WATER TANK
Elev. 110
W.A.S.T.E. TANK
WOODCHIP PREP AREA CONC. PAD
walk door @
Curing Bays
±228' TO BERM
±20'
4" Steel Pipe
Roof Fan
LF-3 Unit Tru-Vapor
Unloading Pump
Concrete Pad for Unloading
9' x 9' Pressure Washing Bldg.
Tru-Vapor LF-3 Unit (Fans 1,2,&3)
10' x 10' Fuel Storage Bldg.
TRASH DUMPSTER
GRAVEL DRIVEWAY
RAMP
EMBANKMENT
±265'
±293'
±52'
±42'
±88'
WET MATERIALS AREA
DRY STORAGE
Roof Fans
AERATION FLOOR (Typ.)
30" Duct @ Ceiling
ACTIVE CURING BAYS
STORAGE CURING SCREEN
SYSTEM SCREEN
LOADING AREA CONC. PAD
RADIAL STACKING CONVEYOR
CURING PAD AREA
±208' TO BERM
6" RIP-RAP STONE ±10'W x ±4'L x ±3' TALL (TYP 9 PLACES)
WOODED AREA
STORAGE LIMIT LINE
Conc. Pad Elev. 100.67
ELEC. ROOM
SEWER LIFT PUMP
C P & L Transformer
12" drain pipe
Equipment Storage
12" Drain Pipe
24" Drain Pipe
±74'
±95'
±62'
±91'
±85'
±198'
142'
SLOPE 3:1
Existing Permanent Sediment Basin 70' x 85' x 3'
BLOCK WALLS
STORAGE BIN
STORAGE AREA
Diversion Ditch
±46'
±217'
PROPOSED OFFICE DOUBLE WIDE (28x56)
Septic Tank & Drain Field
OFFICE DOUBLE WIDE (28x38)
DECK
Parking Area
Truck Scales
ACCESS ROAD (APPROX. 800'x20' WIDE) (PARTIALLY SHOWN ROADWAY)
740.04
N72°32'39"E
1108.97
S85°00'57"E
S05°40'01"W 1282.21

GRAPHIC SCALE: 1" = 50'
0 25 50 100 150

NOTES

1. SEE C-101 FOR ALL GENERAL NOTES.

LEGEND

- EXISTING TREE LINE
- DIVERSION DITCH
- (FLOW) SLOPE DIRECTION
- ALL AREA CLASSIFIED AS IMPERVIOUS, INCLUDING STRUCTURES, BUILDINGS, ROADWAYS, PARKING, AND PRODUCT STORAGE. SEE CHART BELOW FOR TOTAL
- RIP-RAP EROSION CONTROL PROTECTION
- CURING PAD
- STORAGE WINDROWS
- AREA SEPARATION LIMITS LINE
- VEGETATIVE GRASS BUFFER AREA
- GRINDING AREA
- DRAINAGE SWALE (FLOW)
- ADJACENT PROPERTY

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REVISIONS		
NO.	DATE	DESCRIPTION
1	3/30/06	REVISED PER NCDENR REVIEW
2	5/18/06	FINAL REVIEW
3	5/31/06	FINAL SUBMITTAL
4	2/16/09	REVISED PER CLIENT
5	7/12/10	REVISED PER CLIENT

PROJECT MANAGER: GSM	PROJECT ENGINEER: ZLF
DRAWN BY: MAE	CHECKED BY: GSM

DATE: DECEMBER 08, 2005

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17069 GARY S. MacCONNELL 7/12/10

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MCGILL ENVIRONMENTAL SYSTEMS

CHATHAM COUNTY FACILITY

CHATHAM COUNTY, NC

COMPOSTING FACILITY SITE PLAN

PROJECT NUMBER	DRAWING NUMBER
A26704.00	C-102

A26704.00 – MCGILL ENVIRONMENTAL SYSTEMS – EXISTING SITE CONDITIONS – A26704-BASE.DWG
A26704.00 – MCGILL ENVIRONMENTAL SYSTEMS – EXISTING SITE CONDITIONS – A26704-BASE.DWG

5/X = 19-06