



<b>Owner/Developer</b> Asad Mazahir P.O. Box 6715 Marietta, Georgia 30065 24hr Emergency Phone 678-200-8524	<b>24-hour Erosion Control Contact</b> Gregory J. Dewberry P.O. Box 156 Bremen, Georgia 30110 24hr Emergency Phone 770-537-4087
--	--

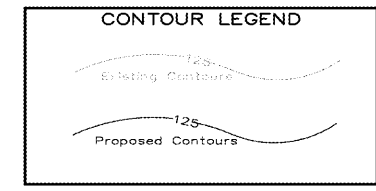
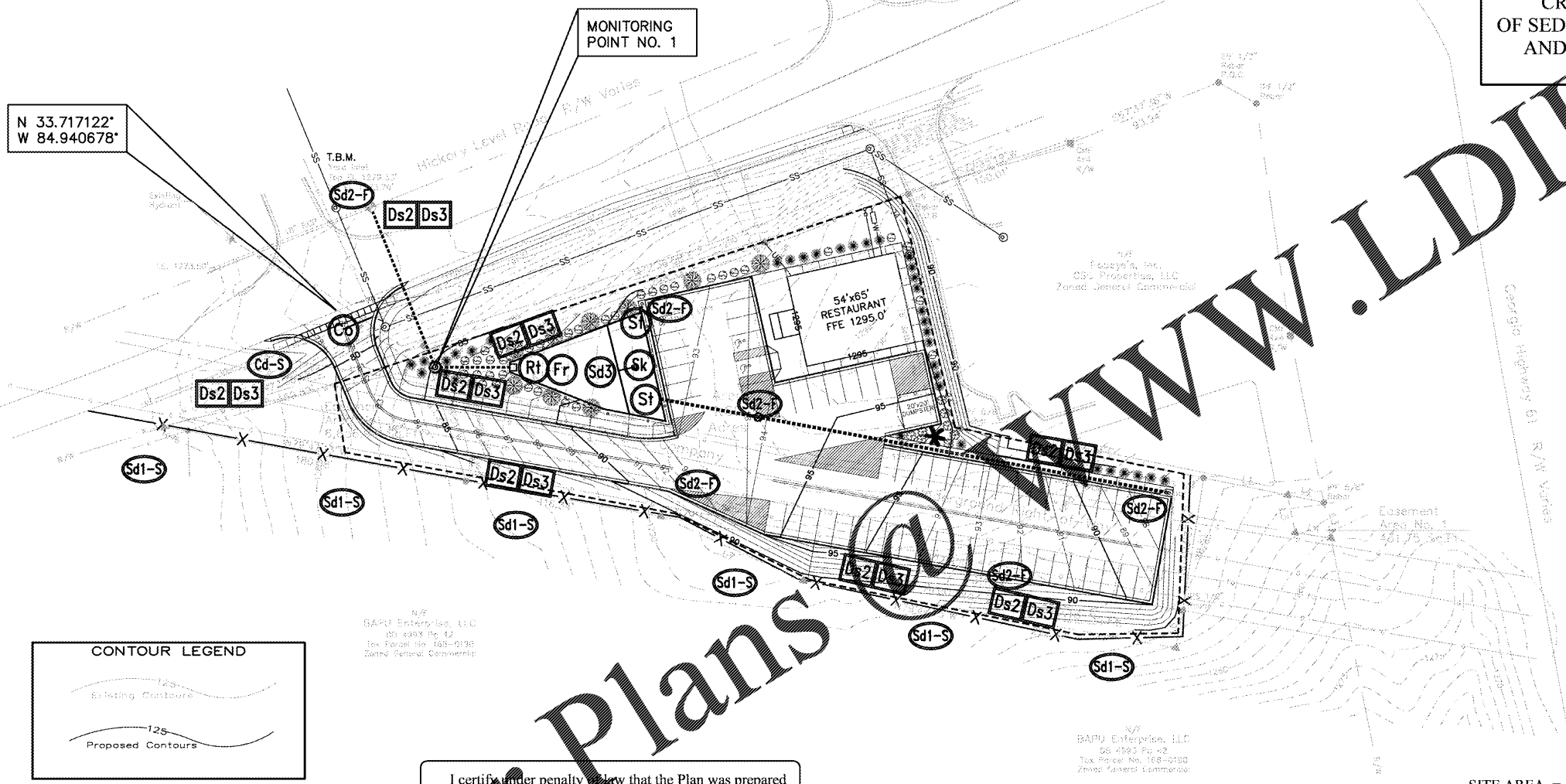
LINE	BEARING	LENGTH
1	S78°22'35"E	55.36
2	S71°07'32"E	21.21
3	S11°22'39"E	21.47
4	N89°36'02"W	21.34
5	N41°22'36"W	32.45
6	S59°02'37"W	22.88
7	N63°11'03"W	31.77

There are no planned encroachments to the buffer areas shown on this Plan. Correspondingly, no variances are required.

Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.

Washout of the concrete drum at the construction site is prohibited.

SEE SHEETS 17, 21, 22 FOR CROSS-SECTION OF SEDIMENT POND DAM AND POND DETAIL



Amendments or revisions to the ES&PC Plan which have a significant effect on BMP's with a hydraulic component must be certified by the design professional.

I certify under penalty of law that the Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my supervision.

Any disturbed area left exposed for a period of time greater than 14 days shall be stabilized with mulch or temporary seeding.

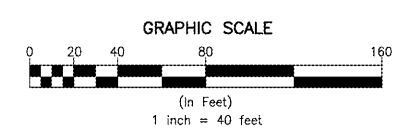
The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMP's within 7 days after installation.

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.

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.

I do hereby certify that I have visited this site prior to the design of the Erosion and Sediment Control Plan. Furthermore, I do hereby certify that this Plan provides for an appropriate and comprehensive system of Best Management Practices (BMP's) and sampling expected to meet permit requirements. I further certify that I, as the design professional, shall inspect the installation of the initial sediment storage requirements and perimeter control BMP's within seven (7) days after said measures have been completely installed. Lastly, those amendments to this Plan which have a significant effect on BMP's with a hydraulic component must be certified by the design professional

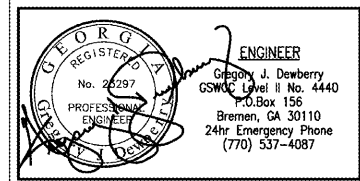
SITE AREA = 1.60 Acres  
DISTURBED AREA = 1.45 Acres



LIMITS OF DISTURBANCE

State Waters are NOT located within 200 feet of the proposed site. Non-exempt activities shall not be conducted with the 25 foot undisturbed stream buffer as measured from the the point of wretched vegetation without first acquiring the necessary variances and permits.

EROSION CONTROL SYMBOLS		
<b>Bu</b>	Buffer Zone	A strip of undisturbed, original land or vegetation surrounding either the disturbed site or bordering streams.
<b>Cd-S</b>	Check Dam	A small temporary barrier or dam constructed of rip-rap stone across a swale, drainage ditch or area of concentrated flow.
<b>Ch</b>	Channelization	Improving, constructing, or stabilizing an open channel for water conveyance through the use of grass, stone, concrete or other stable materials.
<b>Co</b>	Construction	A washed stone pad located at the junction of a pipe to provide a place for removing mud and silt thereby protecting public waters.
<b>Di</b>	Dispersion	A layer of compacted soil constructed above, across, or below a slope to reduce slope lengths and intercept stormwater runoff.
<b>Dn1</b>	Temporary Downdrain Structure	A pipe used as a temporary structure to convey a concentration of stormwater down the face of an exposed slope.
<b>Dn2</b>	Permanent Downdrain Structure	A permanent structure to safely convey surface runoff from the top of a slope to the bottom of a slope.
<b>Ds1</b>	Disturbed Area Stabilization [With Mulching Only]	Applying plant residues or other suitable materials not produced on the site to the soil surface.
<b>Ds2</b>	Disturbed Area Stabilization [Temporary]	Establishing temporary vegetative cover with fast growing seedlings on disturbed or denuded areas.
<b>Ds3</b>	Disturbed Area Stabilization [Permanent]	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, sod, or legumes on disturbed areas.
<b>Du</b>	Dust Control	Controlling surface and air movement of dust on construction sites, roads, and demolition sites through the use of surface treatments.
<b>Fr</b>	Filter Ring	A temporary stone barrier constructed at storm drain inlets and pond outlets.
<b>Gr</b>	Grade Stabilization Structure	A structure to stabilize the grade in natural or artificial channels by preventing the formation or advance of gullies and reducing erosion.
<b>Lv</b>	Level Spreader	A storm flow outlet device constructed at zero grade across a slope whereby runoff may be discharged at non-erosive velocities.
<b>Rd</b>	Rock Filter Dam	Permanent or temporary stone filter dam installed across small streams or drainageways to serve as a sediment filtering device.
<b>Re</b>	Retaining Wall	A constructed wall of masonry, reinforced concrete, treated timbers, or modular stone to assist in the stabilization of cut or fill slopes.
<b>Rt</b>	Retrofitting	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary filter.
<b>Sd1-S</b>	Reinforced Sediment Barrier	A temporary structure typically constructed of soil fence supported by steel posts with wire mesh reinforcing.
<b>Sd2-F</b>	Inlet Sediment Trap with Filter Fabric	A temporary protective structure of filter fabric with supporting frame formed around a storm drain drop inlet to trap sediment prior to stabilization.
<b>Sd3</b>	Temporary Sediment Basin	A basin created by the construction of a barrier dam across a waterway or by excavating a basin to detain sediment.
<b>Sk</b>	Floating Surface Skimmer	A buoyant device that releases or drains water from the surface of sediment ponds, traps or basins at a controlled rate of flow.
<b>Ss</b>	Slope Stabilization	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
<b>St</b>	Storm Drain Outlet Protection	Paved and/or riprapped channel sections, placed below storm drain outlets to reduce velocity of flow before entering receiving channels.
<b>Tp</b>	Topsolling	Stripping of the more fertile topsoil, storing it, then spreading it over the disturbed area after completion of construction activities.
<b>Wt</b>	Vegetated Waterway	A natural or constructed channel that is shaped or graded to required dimensions and stabilized for the conveyance of stormwater runoff.



PERMANENT SEEDING RATES					
GRASS SPECIES	PLANT DATES	APPLICATION RATE			
		SEED	FERT	LIME	HAY
Bahia	April - May	60 lbs/Ac	800 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Bermuda	April - May	10 lbs/Ac	800 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Crownvetch	Sept - Oct	15 lbs/Ac	1000 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Fescue	Aug - Oct	50 lbs/Ac	1000 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Lespedeza	Sept - May	60 lbs/Ac	800 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Lovegrass	Aug - Dec	4 lbs/Ac	800 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Panicgrass	Mar - May	20 lbs/Ac	800 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Canarygrass	Aug - Nov	50 lbs/Ac	1000 lbs/Ac	1 ton/Ac	2.5 tons/Ac
Switchgrass	April - May	40 lbs/Ac	800 lbs/Ac	1 ton/Ac	2.5 tons/Ac

INTERNATIONAL HOUSE OF PANCAKES

PHASE III EROSION CONTROL PLAN  
HICKORY LEVEL ROAD AND GEORGIA HIGHWAY 61  
VILLA RICA, CARROLL COUNTY, GEORGIA

CIVIL SOLUTIONS  
ENGINEERING & LAND SURVEYING  
Gregory J. Dewberry, P.E., L.S.  
P.O. Box 156  
Bremen, Georgia 30110  
(770) 537-4087

DATE: JANUARY 7, 2020 PROJECT NO.: 2019154 SCALE: 1" = 40'