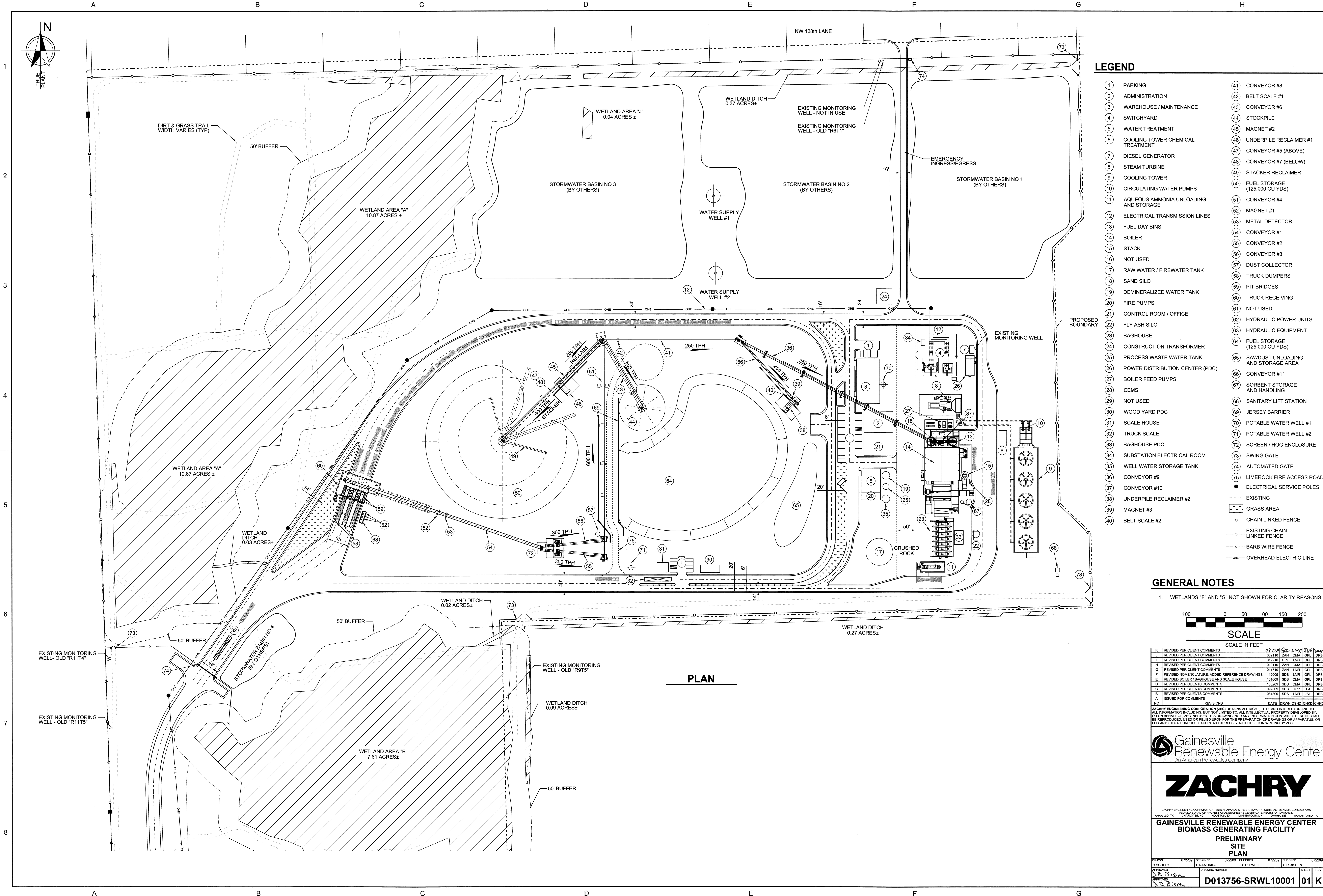
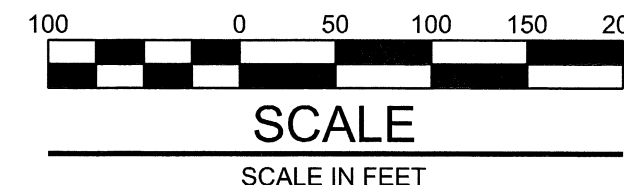




- LEGEND**
- | | | | |
|----|---------------------------------------|----|------------------------------------|
| 1 | PARKING | 41 | CONVEYOR #8 |
| 2 | ADMINISTRATION | 42 | BELT SCALE #1 |
| 3 | WAREHOUSE / MAINTENANCE | 43 | CONVEYOR #6 |
| 4 | SWITCHYARD | 44 | STACKPILE |
| 5 | WATER TREATMENT | 45 | MAGNET #2 |
| 6 | COOLING TOWER CHEMICAL TREATMENT | 46 | UNDERPILE RECLAIMER #1 |
| 7 | DIESEL GENERATOR | 47 | CONVEYOR #5 (ABOVE) |
| 8 | STEAM TURBINE | 48 | CONVEYOR #7 (BELOW) |
| 9 | COOLING TOWER | 49 | STACKER RECLAIMER |
| 10 | CIRCULATING WATER PUMPS | 50 | FUEL STORAGE (125,000 CU YDS) |
| 11 | AQUEOUS AMMONIA UNLOADING AND STORAGE | 51 | CONVEYOR #4 |
| 12 | ELECTRICAL TRANSMISSION LINES | 52 | MAGNET #1 |
| 13 | FUEL DAY BINS | 53 | METAL DETECTOR |
| 14 | BOILER | 54 | CONVEYOR #1 |
| 15 | STACK | 55 | CONVEYOR #2 |
| 16 | NOT USED | 56 | CONVEYOR #3 |
| 17 | RAW WATER / FIREWATER TANK | 57 | DUST COLLECTOR |
| 18 | SAND SILO | 58 | TRUCK DUMPERS |
| 19 | DEMINERALIZED WATER TANK | 59 | PIT BRIDGES |
| 20 | FIRE PUMPS | 60 | TRUCK RECEIVING |
| 21 | CONTROL ROOM / OFFICE | 61 | NOT USED |
| 22 | FLY ASH SILO | 62 | HYDRAULIC POWER UNITS |
| 23 | BAGHOUSE | 63 | HYDRAULIC EQUIPMENT |
| 24 | CONSTRUCTION TRANSFORMER | 64 | FUEL STORAGE (125,000 CU YDS) |
| 25 | PROCESS WASTE WATER TANK | 65 | SAWDUST UNLOADING AND STORAGE AREA |
| 26 | POWER DISTRIBUTION CENTER (PDC) | 66 | CONVEYOR #11 |
| 27 | BOILER FEED PUMPS | 67 | SORBENT STORAGE AND HANDLING |
| 28 | CEMS | 68 | SANITARY LIFT STATION |
| 29 | NOT USED | 69 | JERSEY BARRIER |
| 30 | WOOD YARD PDC | 70 | POTABLE WATER WELL #1 |
| 31 | SCALE HOUSE | 71 | POTABLE WATER WELL #2 |
| 32 | TRUCK SCALE | 72 | SCREEN / HOG ENCLOSURE |
| 33 | BAGHOUSE PDC | 73 | SWING GATE |
| 34 | SUBSTATION ELECTRICAL ROOM | 74 | AUTOMATED GATE |
| 35 | WELL WATER STORAGE TANK | 75 | LIMEROCK FIRE ACCESS ROAD |
| 36 | CONVEYOR #9 | | ● ELECTRICAL SERVICE POLES |
| 37 | CONVEYOR #10 | | — EXISTING |
| 38 | UNDERPILE RECLAIMER #2 | | — GRASS AREA |
| 39 | MAGNET #3 | | — CHAIN LINKED FENCE |
| 40 | BELT SCALE #2 | | — EXISTING CHAIN LINKED FENCE |
| | | | — BARB WIRE FENCE |
| | | | — OVERHEAD ELECTRIC LINE |

GENERAL NOTES

1. WETLANDS "F" AND "G" NOT SHOWN FOR CLARITY REASONS



NO.	REVISIONS	DATE	BY	CHKD	CHKD
K	REVISED PER CLIENT COMMENTS	08/21/10	ZAN	DMA	GPL
J	REVISED PER CLIENT COMMENTS	08/21/10	ZAN	DMA	GPL
I	REVISED PER CLIENT COMMENTS	08/21/10	ZAN	DMA	GPL
H	REVISED PER CLIENT COMMENTS	08/21/10	ZAN	DMA	GPL
G	REVISED PER CLIENT COMMENTS	08/21/10	ZAN	DMA	GPL
F	REVISED Nomenclature, ADDED REFERENCE DRAWINGS	11/20/09	SOS	LMA	GPL
E	REVISED BOILER, BAGHOUSE AND SCALE HOUSE	10/16/09	SOS	DMA	GPL
D	REVISED PER CLIENTS COMMENTS	10/20/09	SOS	DMA	GPL
C	REVISED PER CLIENTS COMMENTS	09/23/09	SOS	TRP	FA
B	REVISED PER CLIENTS COMMENTS	09/16/09	SOS	LMA	JSL
A	ISSUED FOR COMMENTS				

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CHARLOTTE, NC • HOUSTON, TX • MINNEAPOLIS, MN

GAINESVILLE RENEWABLE ENERGY CENTER BIOMASS GENERATING FACILITY

PRELIMINARY SITE PLAN

DRAWN	07/22/08	DESIGNED	07/22/08	CHECKED	07/22/08	APPROVED	07/22/08
S. SCHLEY		L. RAATIKKA		J. STILLWELL		D. R. BISSEN	

DRAWING NUMBER: **D013756-SRWL10001** SHEET: **01** REV: **K**



TIE TO SHEET C4.01
or PLANT SITE AREA (SHEET 2 of 2)
CHRY PLANS FOR DETAILS)

1. BIOMASS STAGING/STORAGE AREA WILL COMPLY WITH THE INTENT OF NFPA 1, CH 31.6 AS DETERMINED BY GAINESVILLE FIRE RESCUE. WITH THE EXCEPTION OF SECTIONS 31.3.6.2(1-4) AND 31.3.6.3.1.
2. THE STORAGE SITE AREA SURFACES SURROUNDING THE PILES WILL ACCOMMODATE FIRE APPARATUS WITH A MINIMUM WEIGHT OF 32 TONS. (NFPA 1 CH 18.2.3.1.5)

SEE SHEET C4.01 FOR
GRU UTILITY NOTES

LEGEND

PRIVATE FIRE PROTECTION SYSTEM INCLUDING FIRE LINE PIPING, FITTINGS AND VALVES SHALL MEET NFPA REQUIREMENTS AND DETAILED DESIGN WILL BE APPROVED AS PART OF BUILDING PERMIT.

	PROPOSED WASTEWATER MAIN (PRIVATE)
	PROPOSED FORCE MAIN (PRIVATE)
	PROPOSED GAS LINE
	PROPOSED PRIVATE FIRE LINE
	PROPOSED PRIVATE FIRE HYDRANT
	PROPOSED PRIVATE AIR RELEASE VALVE
	PROPOSED PRIVATE FIRE HOSE ASSEMBLY (EACH HOSE ASSEMBLY REACHES UP TO 200 FT.)
	PROPOSED PRIVATE POTABLE WELL
	PROPOSED PERMANENT 6' CHAINLINK FENCE
	LIMITS OF PROPOSED PAVED DRIVE AND
	LIMITS OF PROPOSED STRUTIALIZED BAR (SEE DETAIL SHEET C.A.2.7)

C4.00

Area No.: _____	Project phase: PETITION #DB-10-47SPA	
	CONSTRUCTION PLANS	
	Designed: CSV/CAP	Drawn: JVR
	Project No: 09-254	Date: JULY 28, 2010
Professional Engineer of Record:		

<u>Claudia S. Vega P.E.</u> Engineer <u>51532</u> Certificate No.		

Project: GAINESVILLE RENEWABLE ENERGY CENTER
BIOMASS GENERATING FACILITY
CITY OF GAINESVILLE, FLORIDA

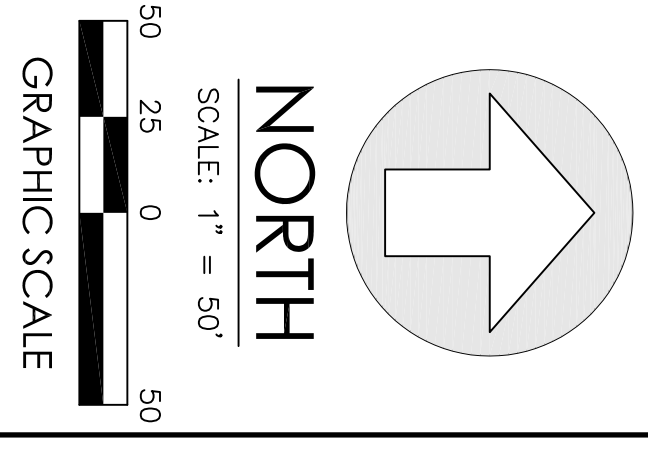
Sheet title: UTILITY PLAN for PLANT SITE AREA
Sheet 1 of 2



ENG. DENMAN & ASSOCIATES, INC.
ENGINEERS - SURVEYORS - PLANNERS

EB 2389

2404 N.W. 43rd St. GAINESVILLE, FLORIDA 32606-6602
TEL. (352) 373-3541 FAX. (352) 373-7249
E-MAIL: eda@atlantic.net



No.	Date	Comment



CITY OF GAINESVILLE FIRE RESCUE NOTES:

1. BIOMASS STAGING/STORAGE AREA WILL COMPLY WITH THE INTENT OF NFPA 1 OH 3.1.6 AS DETERMINED BY GAINESVILLE FIRE RESCUE, AND THE SELECTION OF SECTIONS: 31.6.2(14) AND 31.6.6.3.1.
2. THE STORAGE SITE AREA SURFACES SURROUNDING THE STORAGE AREA SHALL BE GRAVEL OR GRAVELS WITH A MINIMUM WEIGHT OF 32 TONS (NFPA 1 OH 18.2.3.1.5)

NOTES:

1. HVAC CONDENSATE WATER DRAIN LINE SHALL NOT FLOW TO SANITARY SEWER (WASTEWATER).
2. PRIVATE FIRE PROTECTION SYSTEM INCLUDING FIRE LINE EQUIPMENT, ETC., SHALL BE DESIGNED TO MEET ALL REQUIREMENTS AND DETAILED DESIGN WILL BE APPROVED AS PART OF BUILDING PERMIT.



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E-MAIL: eda@atlantic.net

Project phase: PETITION #DB-10-47SPA COONSTRUCTION PLANS		Project: GAINESVILLE RENEWABLE ENERGY CENTER BIOMASS GENERATING FACILITY CITY OF GAINESVILLE, FLORIDA	
Designed: CSV/CAP	Drawn: JVR		
Project No: 09-254	Date: JULY 28, 2010		
Professional Engineer of Record: <u>Claudia S. Vega</u> P.E. <u>51532</u> Engineer Certificate No.		Sheet title: UTILITY PLAN for PLANT SITE AREA Sheet 2 of 2	