Springstead Engineering, inc.
Consulting Engineers — Planners — Surveyors

727 South 14th Street
Leesburg, Florida 34748

Lake (904) 787-1414
Sumter (904) 793-3639
Fax (904) 787-7221

August 16, 1994

Dr. Richard D. Garrity, PhD
Director of District Management
Florida Department of Environmental Regulation
3804 Coconut Palm Drive
Tampa, Florida 33619

RECEIVED
AUG 17 1994
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

RE: Activation of Manhole Pumps in the Storage Cell
Sumter County Solid Waste Management Facility

Dear Dr. Garrity:

This letter is to inform the Department that the manhole pumps have been installed and are fully operational at this time. The two pumps were installed and the electricity and piping work was completed as of August 9, 1994.

An updated copy of the record drawing is attached with a revised note indicating the date of operation.

Springstead Engineering, Inc. hopes that this information meets your needs at the present time. Please contact our office if you have any questions or require additional information.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.

David W. Springstead, P.E.
Florida Registration No. 45229

DWS/laf

Attachment

cc: Mr. Garry Breeden, Sumter County
Mr. Mitch Kessler, TIA

(8/16/94 - Garrity.Ltr)

952394
(1)

1" = 40'-0"

NORTH LEACHATE COLLECTION POND
VOL. = 57,058 CU.FT. R=30' (TYP)
HWL EL 68.5
BOTTOM EL.=57.5
R=20' TYP.
HYDROMATIC SPLF 300 GRINDER PUMP (1) 5 H.P. 460 GPM @ 43'

MIDDLE COMPOST PAD AREA = 1.42 AC.

NORTH COMPOST PAD AREA = 1.19 AC.

SOUTH COMPOST PAD AREA = 1.24 AC.

EMERGENCY LINED COMBINATION STORAGE CELL (GUNDERMAT 100 MIL FLEX FIBER AND 100 MIL CSPE-FR SCRIM)

EXISTING PILOT PLANT

EXISTING VOLUME REDUCTION STATION

EXISTING OFFICE BUILDING

EQUIPMENT PAD. EQUIPMENT BY OTHERS

SOUTH LEACHATE COLLECTION POND
BOTTOM EL. = 57.0
VOL = 71,885

PRE-FAB LIFT STATION FIBERGLASS TUB WITH DUAL HYDROMATIC MODEL SPLF 300 GRINDER PUMPS (TYPICAL FOR 3 LIFT STATIONS - THIS LIFT STATION IS NOT SET AT THIS TIME) THIS LIFT STATION WAS INSTALLED ON AUG 9, 1994 AND IS OPERATING AS DESIGNED ON THIS DATE

3'X 3' OVERFLOW TROUGH THROUGH BERM

(2) 24" x 38" ELIPTICAL R.C.P
@ 0.37% SLOPE INV. EL.=67.08

CONCRETE HEADWALL

PIPE IN STEEL SLEEVE UNDER ROAD

ACCESS ROAD

GRAVITY FLOW OVER WEIR

EXISTING POWER LINE

EXISTING TOWER

EXISTING SATELLITE DISH

EXISTING MONITORING WELL

EXISTING ASPHALT SURFACE

EXISTING LINER

EXISTING CENTER LEACHATE POND

FIBERGLASS ANTI-VORTEX BOX

FLOW FROM NORTH & SOUTH LEACHATE PONDS

CONCRETE PAD UNDER OUTLET (NO CONNECTION)

INSIDE OF CURB N.10451 E.9951

INSIDE OF CURB N.10309 E.9951

INSIDE OF CURB N.10309 E.9600

INSIDE OF CURB N.10451 E.9478

INSIDE OF CURB N.10377 E.9474

INSIDE OF CURB N.9674 E.9754

INSIDE OF CURB N.9671 E.9573

INSIDE OF CURB N.9641 E.9537

INSIDE OF CURB N.9436 E.9765

INSIDE OF CURB N.9424 E.9425

INSIDE OF CURB N.9548 E.9400

INSIDE OF CURB N.9574 E.9410

END ASPHALT SURFACE E.9861

CONCRETE CURB ON SOIL

CONCRETE CURB ON ASPHALT

CONCRETE TROUGH WITH GATE (TYPICAL AS SHOWN)

TREE TO REMAIN

6' CHAIN LINK FENCE (WITH FABRIC) ON NORTH, EAST, AND SOUTH SIDE OF POND.

10' CHAIN LINK FENCE (WITH FABRIC) ON WEST SIDE OF POND.

10' CHAIN LINK FENCE POSTS (NO FABRIC) ON NORTH, SOUTH, AND WEST SIDE OF ASPHALT SURFACE

10'-0" CHAIN LINK FENCE & POSTS (NO FABRIC) ON NORTH, WEST, AND SOUTH SIDE OF ASPHALT SURFACE.

6'-0" CHAIN LINK FENCE (WITH FABRIC) ON NORTH, SOUTH, AND WEST SIDE OF POND

3'-0" FENCE GATE

ASPHALT SURFACE

4' TYPICAL SPRINKLER (TYPICAL)

GAS VENT

GUY WIRE

CONCRETE CURB ON SOIL

TOP OF BERM (TYP.) AT EL. 70.00 WITH VARIES

9' TOP OF BERM TYP. AT EL. 68.5

3:1 SLOPE TYP. INSIDE POND

4:1 SLOPE TYP. OUTSIDE POND

A:1 SLOPE TYP. OUTSIDE POND

EQUIPMENT PAD. EQUIPMENT BY OTHERS

3'-0" FENCE GATE

EGEND
LFM: LEACHATE FORCE MAIN
RFM: RECIRCULATION FORCE MAIN
★ = LOCATION OF IRRIGATION GUN

Nelson P83AV PART CIRCLE SPRINKLER W/ADJUSTABLE DIFUSER
Nelson 100 SERIES Big Gun Part Circle
105 PSI 130 GPM
2½ x 1¼
ELECTRONIC CONTROL VALVE
2½" APOLLO BALL VALVE WITH VALVCON ELECTRIC VALVE ACTUATOR
5' Fence
5' Post
2½" Ball Valve
Anchor Riser To Post with Strap
2½" GALVINIZED PIPE
6" PVC CERTA-LOK YELOMINE PIPE
6" PVC CERTA-LOK YELOMINE PIPE
CONCRETE THRUST BLOCK W/ BEND
6" GALVINIZED PIPE
P.V.C. MAIN

SECTION B-B LEACHATE FORCE MAIN OUTLET
NTS

PIPE - 6" CERTA-LOK YELOMINE PVC PIPE CLASS 250
DR/PA C900 CLASS 200 P.V.C. PIPE & FITTINGS
GATE VALVES - 150 PSI WORKING PRESSURE 300 PSI TEST PRESSURE
MUELLER OR EQUAL

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CK	APP
5/24/93	ADDED "RECORD DRAWING" INFORMATION		MHK	JWS	JWS
10-28-92	GAS VENT HEAD LOCATIONS, DEEP PAD, ALK. CONN.		MHK	JWS	JWS
9-24-92	SEE PUMP, SEE, CHNGS. 1 CELL, RFM, LFM.		MHK	JWS	JWS

REV. BY	DESCRIPTION	DATE	DRAWN
RWW	Added Record Note in Lower Cell	Aug 11, 1994	RLF

RECEIVED
AUG 17 1994
Department of Environmental Protection
BY SOUTHWEST DISTRICT

RECORD DRAWING

I CERTIFY THAT, WITH THE EXCEPTIONS SHOWN AND NOTED, THIS PROJECT WAS CONSTRUCTED SUBSTANTIALLY IN ACCORDANCE WITH THE PLANS APPROVED BY THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION.

JOHN W. SPRINGSTEAD, P.E., REG. NO. 8579

SPRINGSTEAD ENGINEERING INC.
consulting engineers
Leesburg — Bushnell

SUMTER COUNTY
SOLID WASTE FACILITY
PLAN
FOR
LEACHATE RECIRCULATION
SYSTEM

DATE	SCALE	FILE	JOB NO.
3/27/92	1"=40'	92110	92110
DESIGN	DRAWN	CHECKED	SHEET 1 OF 1
JWS	BHP	JWS	