



**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY**

SO60-211179 - SOLID WASTE COMPOSTING

WT60-211205 - WASTE TIRE STORAGE

SO60-211182 - M.R.F.

SF60-211255 - LONG-TERM CARE *Class I*

SC60-211181 - LEACHATE TREATMENT

PREPARED FOR



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

MAY 29, 1992

92-1100.00

Springstead Engineering, inc.

Consulting Engineers — Planners — Surveyors

727 South 14th Street

Leesburg, Florida 34748

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

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**D. E. R.
MAY 29 1992
SOUTHWEST DISTRICT
TAMPA**

May 29, 1992

Mr. Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management
Florida Department of Environmental Regulation
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

D. E. R.
MAY 29 1992
SOUTHWEST DISTRICT
TAMPA

RE: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
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Dear Mr. Ford:

We are in receipt of your letter dated April 28, 1992 in regards to the above referenced project. Please review the following responses:

1. Proof of publication of notice of application as per F.A.C. Section 17-701.030(6), see attachment.

Proof of publication of notice of application was published in the Sumter County Times on Thursday, May 14, 1992 and on Thursday May 21, 1992. A copy of the advertisement and a notarized letter from the publisher are presented in Appendix A.

2. Provide documentation of Sumter County's possession of an approved Comprehensive Quality Assurance Plan (ComQAP) for the sampling and analysis as required for the facility. You are requested to work directly with Ms. Sylvia Labie of the QA Section in Tallahassee to obtain approval of the quality assurance plan.

Sampling of groundwater, leachate and compost is currently being performed under the Quality Assurance Project Plan for a Preliminary Chemical Assessment of Landfill Compost and Leachate for the Sumter County Landfill prepared by Envirolab, Inc. of Ormond Beach, Florida.

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Sampling of groundwater, leachate and compost will be done by Springstead Engineering, Inc. in accordance with Springstead Engineering, Inc.'s (SEI) Comprehensive Quality Assurance Plan (ComQAP) #920119G. A letter dated May 1, 1992 from Sylvia S. Labie, QA Officer, Quality Assurance Section, FDER, Tallahassee states that ComQAP #920119G has an approved pending status and that work may be performed for the following sampling activities: **Groundwater, Surface Water, Wastewater, Potable Water, Soil, Sediment and Domestic Waste Sludges.** A copy of the letter is presented in Appendix B.

Analysis of the samples shall be performed under Flowers Chemical Laboratories' (FCL) approved ComQAP #860008G.

A compost sampling and analysis QAPP is currently being completed by SEI and FCL.

3. **Updated financial responsibility cost estimates for long-term care of the closed landfill. Approved cost estimates will be forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Sumter County's financial responsibility documents.**

The closed Class I Landfill located at the Sumter County Solid Waste Management Facility was closed in three (3) phases. Certification of closure, closure meaning the cessation of operation (see Rule 17-701.020 (12), F.A.C.), for the separate phases were issued as follows:

Phase I - December 11, 1989;

Phase II - May 24, 1990;

Phase III - March 5, 1990.

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The site of the existing closed landfill is currently an active site which accommodates the Sumter County Solid Waste Management Facility, including the composting pads and the resource/recovery facility. The operation and maintenance of the site is an ongoing activity which is taken care of by the staff of the facility. The Sumter County Board of County Commissioners allocates funds for operation and maintenance of the facility on a yearly basis and will continue to fund the operation of this facility in the future.

The owners, being the Sumter County Board of County Commissioners are required to provide the Florida Department of Environmental Regulation (FDER) proof of financial responsibility. Since the Class I Landfill is closed, only long-term care cost need to be considered. Long-term care cost include:

1. Land surface care;
2. Gas monitoring;
3. Groundwater monitoring, collection and analysis.

Estimates are not being prepared for providing the above services on a third-party basis since the site is currently active and maintenance and operation is funded yearly by the Board of County Commissioners.

4. Your response to Mary Yeargan's April 28, 1992 attached memorandum. Ms. Yeargan may be contacted at (813) 620-6100, extension 376. Please submit a revised updated groundwater monitoring plan that complies with F.A.C. Rule 17-28.700.

The previously submitted Groundwater Monitoring Plans have been reviewed. The data presented below is new,

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most being collected since the most recent plan was submitted.

- a. Monitor well construction details and lithology logs, including elevations, should be provided. Geologic cross-sections, from east to west and north to south, should be constructed that illustrate the various lithologies and their relationships.

A diagram of monitoring well construction details and lithology logs, including elevations, is provided in Appendix C. Also cross-sections, from east to west and north to south, have been constructed that illustrate the various lithologies and their relationships and are presented in Appendix D.

- b. Water level information for each monitor well for each sampling event should be provided in tabular form (including top of casing elevations, depth to water, monitoring interval length, and corresponding water level elevations) and in graphic form showing the interpretation of the groundwater flow direction to verify the direction of groundwater flow and to estimate fluctuations in the water table.

Depths to the groundwater table and elevations of top of pipe have been reduced to provide elevations of the groundwater table as measured during the several sampling events. These data are presented in tabular form in Appendix E and graphically in Appendix F.

- c. A recent potentiometric map for the Floridan aquifer must be provided.

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A copy of the map titled Potentiometric Surface of the Upper Floridan Aquifer, West Central Florida, September 1990 was obtained from the Southwest Florida Water Management District. A copy of the map is presented in Appendix G. Contours indicate the regional direction of groundwater flow in the Upper Floridan Aquifer to be in a general north-northwest direction.

- d. The depth(s) of the trenches within the Closed Class I landfill was not discussed or provided.

The depth of the trenches was to be discussed on page 3 of 15 in The Application for Long-Term Care Permit for the Closed Class I Sanitary Landfill. A typographical error was found and is corrected below.

Landfilling was accomplished by the trench fill method of disposal. Trench work began on the eastern side of the property in June, 1975 and progressed westward. Cells were opened from the north to the south as needed. The trenches were opened to a width of approximately 35 feet with a width depth varying between 15 and 25 feet.

- e. Land use information for the area surrounding the landfill should be provided. A current well survey should be provided.

A map showing the land use for the area surrounding the landfill is presented in Appendix H. A well survey for the surrounding area was requested from the Southwest Florida Water Management District. A copy of the well survey is presented in Appendix I.

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- f. A summary of analytical data for all sampling periods should be provided in tabular form. All parameters which have exceeded maximum contaminant levels should be graphically displayed over time to evaluate the trends. Analytical data for leachate indicator parameters should also be graphically displayed over time to evaluate the trends. Once this information is provided, monitoring parameters can be evaluated.

A summary of the analytical data has been prepared and is presented in tabular form in Appendix J. Parameters exceeding the maximum contaminate level are presented graphically in Appendix K.

- g. Are there to be monitor wells associated with the new leachate collection system?

After our evaluation of the existing facility improvements, we see no need for additional monitoring wells, as the existing monitoring well system is adequate. At this time no new monitoring wells are proposed for the leachate treatment system. Based on the location of the existing site monitoring wells, if a contaminant was introduced in the groundwater, it should be detected in the data gathered from existing wells.

- h. The Material Safety Data Sheet (MSDS) for the B.D. Compost Starter should be provided.

Currently, the B.D. Compost Starter is no longer being used at this facility. Our experience has shown that starter is not necessary to initiate the composting process. Sumter County chose not to utilize a starter compound due to the high operation costs associated with these compounds. We have requested a MSDS for the starter but our

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request was denied by Ecology Concepts. It is our understanding that Ecology Concepts is anticipating providing starter compound for other facilities in the state. DER should be able to obtain the requested information from a MSDS provided to the other facilities. If DER does obtain this information, we respectfully request that Sumter County be forwarded a copy.

- i. Within Section 3, Leachate Treatment Facility, there was no discussion concerning the testing and disposal of sludges generated in the leachate treatment facility. There was no discussion regarding the testing and monitoring of effluent from the leachate treatment facility. There was no discussion concerning the quantity of treated leachate that will be routed to the existing stormwater retention area and whether the pond can handle the additional flow.

The bio-residuals generated from the leachate treatment process will be blended with the fluff and allowed to compost for processing and sale. Testing and monitoring of leachate effluent exiting the treatment plant will be tested for primary and secondary standards as stated in the response to Mr. Ford's question No. 9. The quantity of treated effluent routed towards the retention pond will vary with weather conditions. In the rainy season, the treatment plant will operate at full capacity with a lesser capacity during normal operation except immediately after rainfall events. The stormwater retention pond was originally designed to hold the runoff from the covered Class I landfill (assumed impervious), and has been enlarged during site improvements to hold the volume of runoff generated from the entire site. The quantity of water directed to the pond from the leachate

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treatment is essentially the runoff from the impervious composting pads and lined ponds, therefore, it will not be necessary to increase the capacity of the existing retention pond.

- j. All sampling and analyses should be conducted in accordance with a Department approved Comprehensive Quality Assurance Plan (ComQAP) to comply with the requirements of Chapter 17-160, F.A.C. Documentation of a Department approved ComQAP for all sampling and analyses should be provided.

As previously stated in question 2, above, sampling of groundwater, leachate and compost will be done by Springstead Engineering, Inc. in accordance with Springstead Engineering, Inc.'s Comprehensive Quality Assurance Plan (ComQAP) #920119G.

Analysis of the samples shall be performed under Flowers Chemical Laboratories approved ComQAP #860008G

- k. Section 17-4.050(3), F.A.C., states that where required by Chapter 471 or 492, Florida Statutes (F.S.), applicable portions of permit applications and documents which are submitted to the Department for public record shall be signed, sealed and dated by the professional(s) who prepared or approved them. Geological portions of documents and submittals should be signed, sealed and dated by a Florida registered professional geologist in accordance with Chapter 492, F.S., and engineering portions of documents and submittals should be signed, sealed and dated by a Florida registered professional engineer in accordance with Chapter 471, F.S.

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The applications for the referenced permits were prepared by a team of registered professionals including engineers, surveyors and geologists. The certification of a professional engineer was required on the application forms.

5. A fire safety survey conducted and documented by the local fire protection authorities for the subject facilities.

The fire safety survey was requested on March 25, 1992 and performed on Tuesday May 26, 1992 by the Lake Panasoffkee Fire Department. The results of the survey are being prepared and will be forwarded to you upon receipt. Assistant Fire Chief Mr. Roger Cheatham is the contact person and he can be reached at 904-793-4957.

6. Describe the "temporary contingency" use of the lined cell. Solid waste that is not milled must be covered within 24 hours of transferred to a permanent Class I solid waste disposal facility within 48 hours. This Department required the location of the permanent disposal site for residuals (30% of the total solid waste or 20 tons) not recycled or composted?

All materials stored in the Class I cell are intended to be removed and processed into compost, landfilled, processed into other usable materials or incinerated. Plans are underway for submittal of improvements on the adjacent forty acres south of the existing facility to provide additional facilities for these activities. Submittals for the improvements will be made to DER within 6 months for DER approval and permitting. Sumter County has already approved the zoning change necessary for the proposed improvements.

*Plans in bmo -
Intended use
of cell*

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fluff removal

Composting

7. How long will it take to empty the lined cell of fluff with use of the existing composting areas only?

It is anticipated that it will take approximately 3 to 4 years to completely empty the lined cell of fluff using the existing composting pads. This time frame can be reduced when the additional composting pad to be built on the forty acre expansion south of the existing facility is approved and constructed. It is anticipated that this additional pad will initially be dedicated to emptying the fluff from the cell. Sumter County recently approved a zoning change for the proposed forty acre expansion allowing for timely design, permitting and construction.

8. Provide surveyed cross-sections of the existing compost pad areas located over the closed landfill.

Surveyed cross-sections of the existing compost pad areas are presented in Appendix M.

Leachate Treatment

9. Describe in detail your plans for effluent discharge. Treated leachate may not go to the percolation pond or surface water management system unless data indicates that the discharge will meet drinking water standards.

The conceptual plan for effluent discharge is to provide treatment to meet drinking water standards and then route the treated effluent through the existing stormwater system for ultimate disposal in the water retention area located at the northeast corner of the site. (See answer 4-i)

10. Provide water balance calculations to show the volume of leachate that can be evaporated by recirculation.

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WATER BALANCE AT SUMTER COUNTY SOLID WASTE FACILITY

General Equation: $P - E - T - CU - R = \Delta S$

Where : P = Precipitation
 E = Evaporation
 T = Transpiration
 CU = Consumptive Use
 R = Runoff
 ΔS = Change in Storage

For the Sumter County Solid Waste Facility, the Precipitation is 51.40 inches/year or 0.141 inches/day and the Evaporation is 59.53 inches/year or 0.163 inches/day. The Consumptive Use is determined based on SWFWMD - Agricultural Consumptive Use as presented in Hydroscope, October 1975. The volume of water evaporated by consumptive use is determined by the following equation:

$$CU_T = (Q_p * Ka) + (CU_c * A)$$

Where: CU_T = Total Consumptive Use (gpd)
 Q_p = Quantity of Water Pumped (gpd)
 Ka = Irrigation Loss Factor
 CU_c = Consumptive Use of Crop (gpd)
 A = Area of Crop (acres)

For leachate treatment, the transpiration and runoff terms of the water budget are equal to zero. In addition, the consumptive use of crop term in the consumptive use equation is also equal to zero. The irrigation loss factor for daytime sprinkling is equal to 0.25 and the irrigation loss factor for night-time sprinkling is equal to 0.10. An average irrigation loss of 0.175 was assumed for calculating a "daily" budget.

The budget general equation reduces to

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$$(0.141 - 0.163) \text{ in/day} - (Q_p * 0.175) \text{ gal/day} = \Delta S$$

or

$$-0.022 \text{ in/day} - (Q_p * 0.175) \text{ gal/day} = \Delta S$$

Using the defined terms, the volume of water lost to consumptive use would be based on the number of gallons of leachate pumped per day times 0.175.

Using recirculation at a pumping rate of 150 gallons/minute and assuming that the leachate pond is full and that the composting pad is completely covered with a layer of water, the losses are as follows:

EVAPORATION

Existing pad area = $190' * 320' = 60,800 \text{ ft}^2$
Existing pond area = $250' * 50' = \frac{12,500 \text{ ft}^2}{73,300 \text{ ft}^2}$

$$73,300 \text{ ft}^2 * 0.00183 \text{ ft/day} = 134.4 \text{ ft}^3/\text{day}$$

CONSUMPTIVE USE

$$216,000 \text{ gal/day} * 0.175 = 37,800 \text{ gal/day}$$

$$\text{or } 5,053.5 \text{ ft}^3/\text{day}$$

The total volume of leachate that can be evaporated by recirculation is $5,187.9 \text{ ft}^3/\text{day}$ or $38,800 \text{ gallons/day}$.

This calculation does not include a transpiration loss due to the composting process. The volume lost to evaporation would increase if the additional composting pads and ponds are implemented due to an increase in wetted plan area and an increase in the pumping rate of leachate required to cover the three pads.

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11. Provide calculations indicating the time required to remove and eliminate leachate stored in the existing lined pond and cell by recirculation only.

The volume of leachate which can be evaporated through recirculation, based on a water budget, was calculated in the previous question. The exact volume of leachate in the existing lined pond and cell is unknown. The volume of the existing leachate pond, if filled to the overflow, is 49,761 ft³. Assuming that the lined cell has a volume of leachate equal to one third of the volume of the leachate pond, a total volume of 66,348 ft³ would be present in the cell and pond. Using these values, the time required to remove and eliminate the leachate in the lined cell and existing leachate pond by recirculation is as follows:

$$66,348 \text{ ft}^3 / 5187.9 \text{ ft}^3/\text{day} = \underline{12.8 \text{ days}}$$

12. Describe how the planned leachate equalization basin will meet the current requirements for a double liner as specified in F.A.C. Rule 17-701.050.

The leachate equalization basin will be designed as a composite liner system having a 60-mil flexible membrane liner overlying an 18-inch thick layer of compacted soil as shown in Figure 1.

Waste Tire Storage

13. Indicate the location for waste tire storage on a drawing.

The location of the waste tire storage area is indicated on the drawing presented in Appendix N.

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14. Describe how waste tires are transported. Are the waste tires processed before transporting? Where are the waste tires taken for processing and/or disposal?

The tires are transported by truck. The truck bears Florida Registered Waste Tire Collector decal No. 1252. Photographs of the vehicle and a letter dated April 15, 1992 from Bill Parker, Solid Waste Section, FDER, Tallahassee, detailing specific conditions to follow for waste tire collectors, are presented in Appendix O.

The last load of waste tires was transported to Geotech - F.C.S. Fuel Preparation Facility (Permit #WT27-175366) in Brooksville, Florida. Other permitted Waste Tire Processing Centers may be used in the future due to time and cost considerations.

Waste tires are not processed at the Sumter County Solid Waste Management Facility before transporting.

Long-Term Care

15. Please provide professional conclusions and recommendations regarding the evaluation of the landfill closure including:

- a. Effectiveness and results of a groundwater investigation.

The groundwater has been monitored on a continuing basis. Turbidity and color were consistently above the Maximum Contaminate Level (MCL) given in Rule 17-500, F.A.C. Elevated results were also reported for the background well (Well No. 2) for these two (2) parameters. Cadmium, chromium, and sometimes nitrates occasionally were reported close to above MCL. Again, the background well showed the elevated levels.

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It is our opinion that the results of the groundwater monitoring program indicate that contaminants are not appreciably being introduced into the groundwater as a result of the operation of this facility.

b. Effects of surface water runoff, drainage patterns and existing stormwater controls.

It is our opinion that the drainage patterns and existing stormwater controls are suitable for the site and that the surface water management system is performing satisfactorily and is not in need of modification or improvements.

c. Extent and effects of methane gas migration.

The purpose of measuring methane gas generated at the Sumter County Landfill site was to determine if landfill gas was moving laterally, possibly causing a threat of explosion due to a buildup of gas in nearby structures or migration to off-site locations.

Porous soils formerly used for daily cover in the closed portions of the landfill allow generated gas to easily move vertically. These soils do not indicate the possibility for the creation of a trap or seal forcing the generated gas to move laterally.

In conjunction with the closure process, a passive gas venting system was designed and installed to allow the vertical release of any gases generated. This system is working satisfactory at this time.

The results of a field test for gas migration were given in a report dated February 2, 1988. This

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report is presented in Appendix K of the Appendices accompanying the Applications for Permit to Operate Composting Facility, Permit to Operate Resource Recovery Facility, Waste Tire General Permit and Permit to Maintain Closed Class I Sanitary Landfill submitted March 30, 1992. The gas readings were reported negative; therefore, it is concluded that any gases being generated by decomposing materials are being liberated vertically through porous soils and not migrating laterally.

d. Type and condition of existing cover and its effectiveness as a leachate control mechanism.

All cover materials were installed in accordance with FDER regulations with impermeable materials or asphalt and have been maintained in their original condition. The cover is acting as designed and is effective in preventing the vertical percolation of surface water into the closed fill. It is our opinion that the existing cover is an effective leachate control mechanism.

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Closure

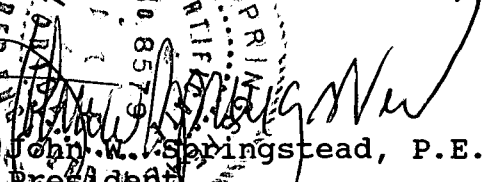
Applications for five separate permits have been submitted simultaneously in the original report and have been addressed in this request for additional information. We request that each permit be issued individually after all the requested information is reviewed and approved.

In particular, we request that the permit for leachate treatment be processed as expediently as possible so that we can begin the necessary tasks to put a system in operation. As you know, existing facilities are not in operation at this time pending the permitting, design and construction of the proposed system. Your help in facilitating this permit would be greatly appreciated.

We hope that the provided information meets your needs at the present time. Should you have any additional questions, or if you require additional information, please contact our office.

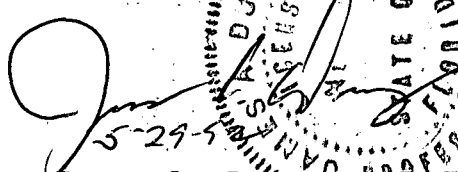
Very truly yours,

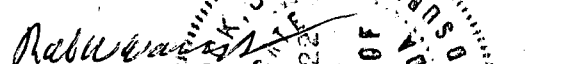
SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E.
President
Florida Reg. No. 8579


David W. Springstead
Project Geotechnical Engineer

JWS:JAD:DWS:RWW/jad


James A. Durraway, P.E.
Engineering Geologist
Florida Reg. No. 39


Ralph W. Warnock, Jr., L.S.
Project Engineer
Florida Reg. No. 4322



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Fax (904) 787-7221

JOB SUMTER COUNTY RAI

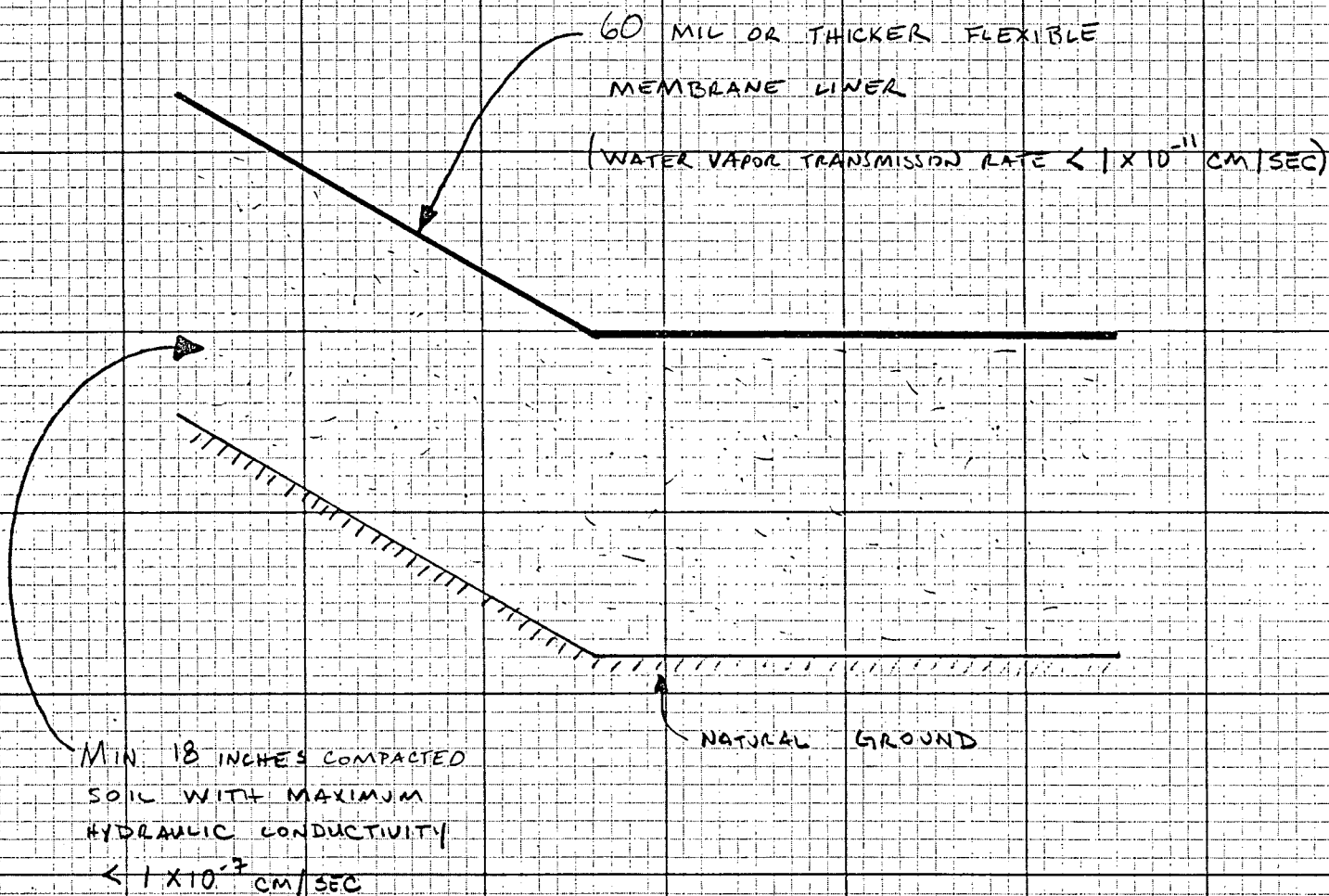
SHEET NO. _____ OF _____

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE FIGURE 1 QUESTION 12

COMPOSITE LINER SYSTEM



**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SO60-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

APPENDICES

PREPARED BY



**Springstead
Engineering, inc.**

LEESBURG, FLORIDA

MAY 29, 1992

92-1100.00

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
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PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX A
PROOF OF PUBLICATION**

MAY 29, 1992

92-1100.00

Proof of Publication

from the
SUMTER COUNTY TIMES
Bushnell, Sumter County, Florida
PUBLISHED WEEKLY

FILED

MAY 27 1992

IN THE OFFICE OF
BOARD COUNTY COMMISSIONERS
SUMTER COUNTY
BUSHNELL, FLORIDA

STATE OF FLORIDA
COUNTY OF SUMTER

Before the undersigned authority personally appeared

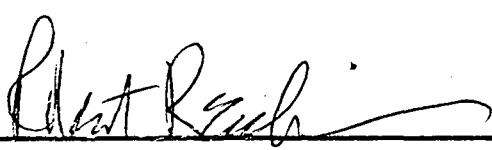
ROBERT REICHMAN

of the Sumter County Times, a newspaper published weekly on Thursday at Bushnell in Sumter County, Florida; that the attached copy of advertisement being a public notice in the matter of NOTICE OF APPLICATION SOLID WASTE

Court, was published in said newspaper in the issues of MAY 14, 21, 1992 635

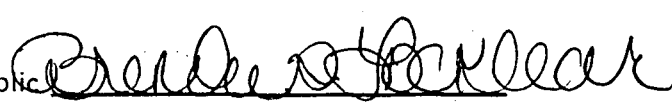
Affiant further says that the Sumter County Times is a newspaper published at Bushnell in said Sumter County, Florida, and that the said newspaper has heretofore been continuously published in Sumter County, Florida, each week and has been entered as second class mail matter at the post office in Bushnell in said Sumter County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

SCT-635-0521
PUBLIC NOTICE
State of Florida
Department of
Environmental Regulation
Notice of Application
The Department announces receipt of an application for permit from Sumter County Public Works for permits for solid waste composting, waste tire storage, materials recovery, long-term care, and leachate treatment at the closed Sumter County Landfill, located near I-75 and C.R. 470, north of Bushnell, Sumter County, Florida.
This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Regulation, Southwest District Office, 4520 Oak Fair Boulevard, Tampa, Florida 33610-7347.
Published two (2) times in The Sumter County Times: May 14 and 21, 1992


PERSONALLY KNOWN TO ME
BRENDA G. LOCKLEAR

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXPIRES JUNE 12, 1997
COMBINED CHANDLER

Sworn to and subscribed before me this 21st
day of MAY A.D. 19 92

(SEAL) Notary Public 

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SO60-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**

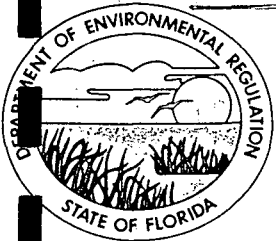


**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX B
FDER QA LETTER TO
SPRINGSTEAD ENGINEERING, INC.**

MAY 29, 1992

92-1100.00



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

May 1, 1992

Carol M. Browner, Secretary

RECEIVED
MAY 11 1992
SF/

James A. Dunaway
Springstead Engineering, Inc.
727 South 14th Street
Leesburg, FL 34748

SUBJECT: Quality Assurance Review; Springstead Engineering, Inc.
Comprehensive QA Plan #920119G
First Submittal

Dear Mr. Dunaway:

The Statement of Intent for the referenced Comprehensive QA Plan was received on April 30, 1992. The CompQAP for your organization has limited approved pending status for the following sampling activities: Groundwater, Surface Water, Wastewater, Potable Water, Soil, Sediment and Domestic Waste Sludges. This means that your organization may begin performing work for these specific activities in DER programs or activities that have been designated as Category 2 or 3 by the QA Rule.

Sections 6, 9 and 11 must be revised to reflect the use of the DER Interim SOPs. The instructions on how to revise your document are discussed in DER QAS #91-06 (attached). Before you submit these changes, please review your entire document to assure that all relevant CompQAP Review Checklist requirements for the other 13 sections have been discussed and make any additional corrections.

The revisions to the CompQAP must be received by the QA Section on or before August 7, 1992. Approval pending will automatically expire on that date unless you advise the QA Sections of any delays.

The DER Quality Assurance Section will schedule the laboratory portion of your QA Plan for review and will be issuing separate approvals for sampling and analysis capabilities.

If you have any questions concerning this matter, please call John Watts at (904) 488-2796.

Sincerely,

Sylvia S. Labie, QA Officer
Quality Assurance Section

SSL/dsk

Attachments (2): DER QAS # 91-06
CompQAP Review Checklist Full Service

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SO60-211179 - SOLID WASTE COMPOSTING
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PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX C
MONITORING WELL CONSTRUCTION
DETAILS AND BORING LOGS**

MAY 29, 1992

92-1100.00

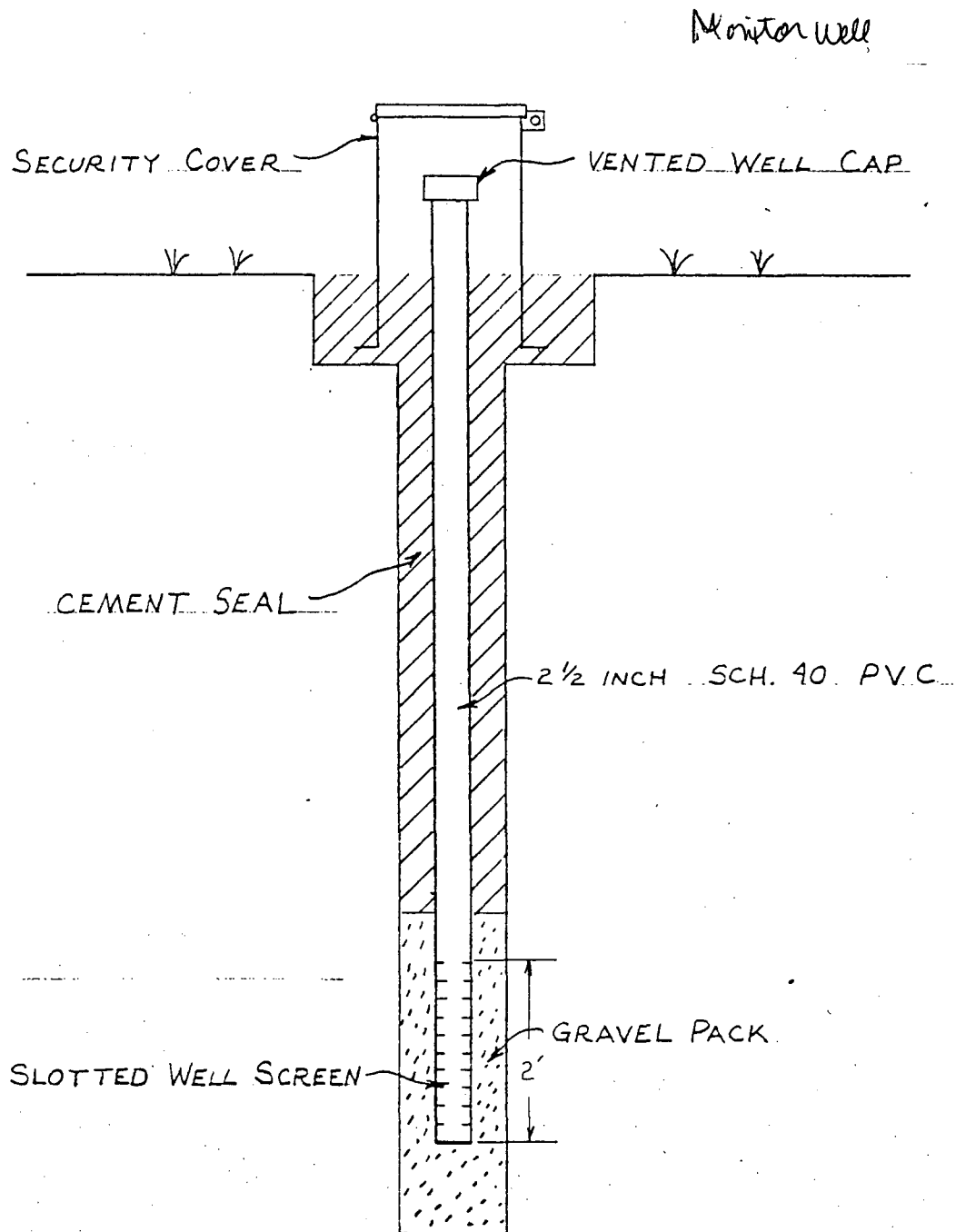


FIG. 20

TYPICAL MONITORING WELL

BORING LOG

BORING NO. TH1

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: TH1

ELEV.: 64.23

DATE: 4-18-84

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 440' NORTH, 375' EAST

BORING METHOD: ASTM D 1452

DRILLER: OPSHAL

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NONE

DEPTH OF COLLAPSE: NONE

ELEV DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
65 0		POORLY GRADED SANDS OR GRAVELLY SANDS LITTLE OR NO FINES	GRAYISH BROWN TO YELLOWISH BROWN SAND PERMEABILITY K = 1.40E-02 ft/min
60 5			
55 10		SILTY SANDS SAND-SILT MIXES	@ 9' BROWN SILTY SAND PERMEABILITY K = 5.37E-04 ft/min
50 15			
45 20		POORLY GRADED SANDS OR GRAVELLY SANDS LITTLE OR NO FINES	@ 16' LIGHT BROWN SAND
40 25		CLAYEY SANDS SAND-CLAY MIXES	@ 19' WHITE CLAYEY SAND

BORING LOG

BORING NO. TH2

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: TH2

ELEV.: 56.19

DATE: 5-25-84

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 1220' NORTH, 1065' EAST

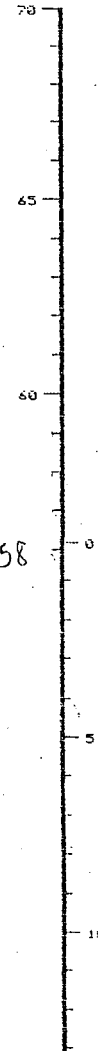
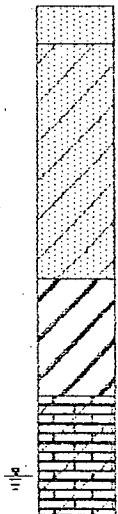
BORING METHOD: ASTM D 1452

DRILLER: OPSHAL

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: 12.06

DEPTH OF COLLAPSE: NONE

ELEV DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
		POORLY GRADED SANDS OR GRAVELLY SANDS LITTLE OR NO FINES CLAYEY SANDS SAND-CLAY MIXES INORGANIC CLAYS OF HIGH PLASTICITY CLAY WITH LIMESTONE FRAGMENTS	BROWN SAND @ 1' BLUEISH-GRAY SANDY CLAY @ 7' BLUEISH-GRAY CLAY @ 10' BLUEISH CLAY WITH LIMESTONE FRAGMENTS

DEPTH TO GROUNDWATER TABLE MEASURED JANUARY 1984.

BORING LOG

BORING NO. TH3

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: TH3

ELEV.: 57.94

DATE: 5-25-84

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 20' SOUTH, 1310' EAST

BORING METHOD: ASTM D 1452

DRILLER: OPSHAL

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NONE

DEPTH OF COLLAPSE: NONE

ELEV	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
DEPTH			
60			
55		POORLY GRADED SANDS	DARK BROWN SAND
50		CLAYEY SANDS	@ 3' GRAY CLAYEY SAND
45		CLAY	@ 4' RED CLAY
40		SANDY CLAY	@ 5' LIGHT BROWN SANDY CLAY
35		POORLY GRADED SANDS	@ 9' LIGHT BROWN SAND
30		SANDY CLAY	@ 13' PINK SANDY CLAY
25		CLAY	PINK CLAY

BORING NO. TH4

BOREING NO.: TH4

ELEV.: 69.04

DATE: 5-25-84

BORING METHOD: ASTM D 1452

DRILLER: OPSHAL

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: 24.68

DEPTH OF COLLAPSE: NONE



BORING LOG

BORING NO. TH5

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: TH5

ELEV.: 68.11

DATE: 5-25-84

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 25' NORTH, 275' EAST

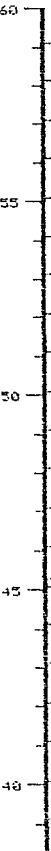
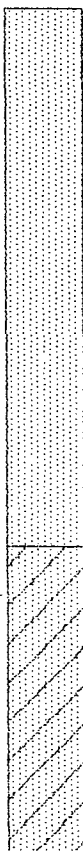
BORING METHOD: ASTM D 1452

DRILLER: OPSHAL

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: 23.25

DEPTH OF COLLAPSE: NONE

ELEV	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
DEPTH			
		CLAYEY SANDS	CLAYEY SAND

BORING NO. MW1

BORING NO.: MW1

ELEV.: 69

DATE: 9-18-85

BORING METHOD: ROTARY

DRILLER: SIGLIN / TOWNSEND

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

A vertical scale with major tick marks and labels at 10, 20, 30, 40, 50, 60, and 70. The scale is oriented vertically, with 40 at the bottom and 70 at the top. There are minor tick marks between the major ones.

BORING LOG

BORING NO. MW2

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW2

ELEV.: 72.47

DATE: 9-19-85

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 15' NORTH, 330' EAST

BORING METHOD: ROTARY

DRILLER: SIGLIN / TOWNSEND

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

ELEV DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
		POORLY GRADED SANDS SANDY CLAY CLAY LIMESTONE	BROWN SAND @ 10' BROWN SANDY CLAY @ 18' BROWN CLAY @ 30' WHITE LIMESTONE

BORING LOG

BORING NO. MW3

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW3

ELEV.: 67.14

DATE: 9-20-85

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 1010' NORTH, 900' EAST

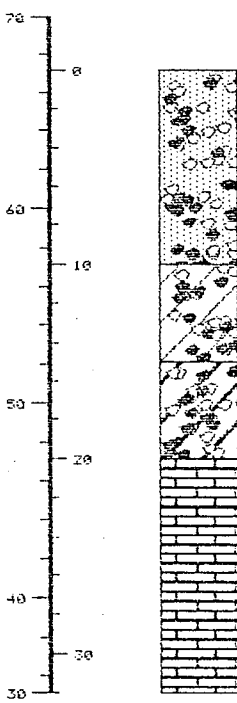
BORING METHOD: ROTARY

DRILLER: SIGLIN / TOWNSEND

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

ELEV DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
		SAND, GARBAGE, METAL, GLASS AND ETC SANDY CLAY AND GARBAGE CLAY AND GARBAGE LIMESTONE	BROWN SAND WITH GARBAGE @ 10' BROWN SANDY CLAY AND GARBAGE @ 15' BROWN CLAY AND GARBAGE @ 20' WHITE LIMESTONE

BORING LOG

BORING NO. MW4

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW4

ELEV.: 68.48

DATE: 9-28-85

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 1000' NORTH, 365' EAST

BORING METHOD: ROTARY

DRILLER: SIGLIN / TOWNSEND

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

ELEV	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
DEPTH			
70			
60			
50			
40			
30			
20			
10			
0			
		POORLY GRADED SANDS	BROWN SAND
		SANDY CLAY	@ 10' BROWN SANDY CLAY
		CLAY	@ 20' BROWN CLAY
		LIMESTONE	@ 30' WHITE LIMESTONE

BORING LOG

BORING NO. MW5

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW5

ELEV.: 83.10

DATE: 9-30-85

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 2600' NORTH, 640' EAST

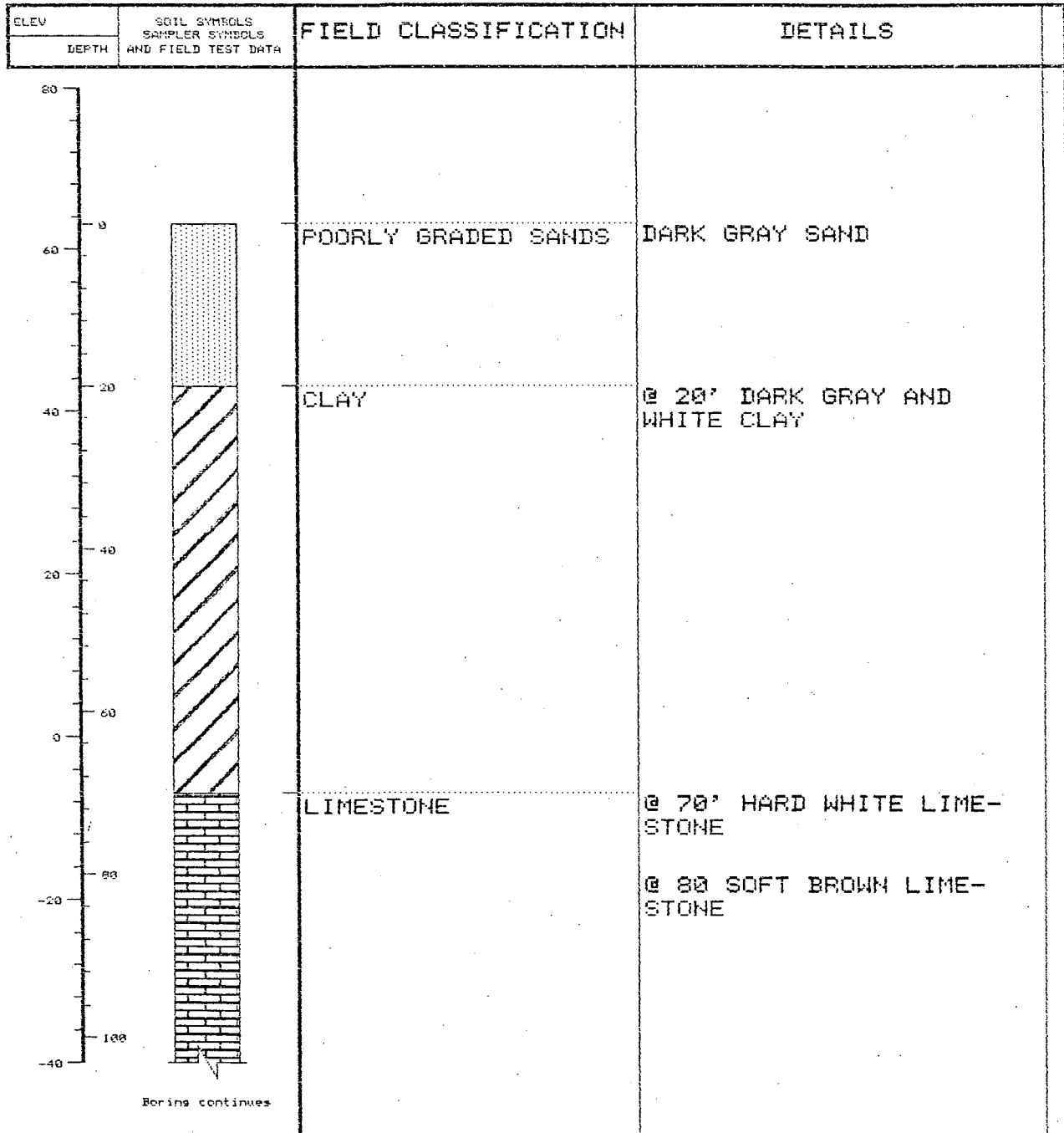
BORING METHOD: ROTARY

DRILLER: RABOLD / TOWNSEND

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE



BORING LOG

BORING NO. MW5

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW5

ELEV.: 63.10

DATE: 9-30-85

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 2600' NORTH, 640' EAST

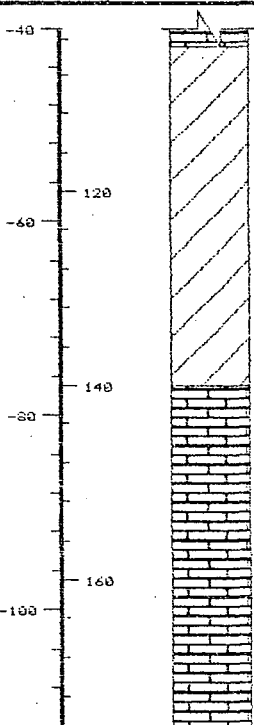
BORING METHOD: ROTARY

DRILLER: RABOLD / TOWNSEND

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

ELEV DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
		SANDY CLAY	@ 105' BLACK SANDY CLAY
			@ 120' BROWN SANDY CLAY
		LIMESTONE	@ 140' BROWN LIMESTONE
			@ 149' BROWN AND WHITE HARD LIMESTONE @ 169 BROWN AND WHITE SOFT LIMESTONE

BORING LOG

BORING NO. MW6

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW6

ELEV.: 77.36

DATE: 9-85

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 450' NORTH, 1135' EAST

BORING METHOD: ROTARY

DRILLER: RABOLD / TOWNSEND

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

ELEV	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
DEPTH			
60			
50		POORLY GRADED SANDS	BROWN SAND
40			
30		SANDY CLAY	@ 10' BROWN SANDY CLAY
20		CLAY	@ 20' BROWN CLAY
10		LIMESTONE	@ 30 WHITE LIMESTONE
0			

BORING LOG

BORING NO. MW6A

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW6A

ELEV.: 0

DATE: 5-4-89

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 1020' NORTH, 1380' EAST

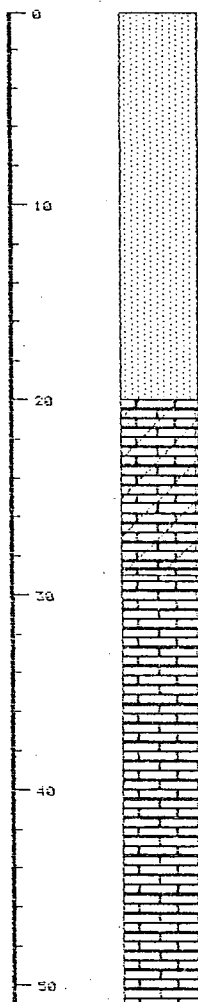
BORING METHOD: ROTARY

DRILLER: STURDEVANT

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

ELEV	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
DEPTH			
0		POORLY GRADED SANDS	TAN SAND
10			
20		CLAY WITH LIMESTONE FRAGMENTS	@ 20' GRAY CLAY AND LIMESTONE
30		LIMESTONE	@ 29' LIMESTONE
40			
50			

BORING LOG

BORING NO. MW7

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

BORING NO.: MW7

ELEV.: 0

DATE: 5-3-89

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 1330' NORTH, 900' EAST

BORING METHOD: ROTARY

DRILLER: STURDEVANT

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

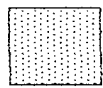
DEPTH TO - Water: NOT NOTED

DEPTH OF COLLAPSE: NONE

ELEV	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
DEPTH			
0		POORLY GRADED SANDS	TAN SAND
10			
20		CLAYEY SANDS	@ 20' TAN SAND AND CLAY
30		LIMESTONE	@ 25' WHITE CLAY AND SAND
40		CLAY	@ 28 LIMESTONE
50		LIMESTONE	@ 31 GRAY CLAY
			@ 34' LIMESTONE

Legend:

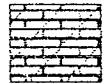
Symbol: Description:



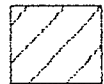
POORLY GRADED SANDS
OR GRAVELLY SANDS
LITTLE OR NO FINES



CLAYEY SANDS
SAND-CLAY MIXES



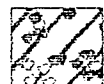
CLAY WITH
LIMESTONE FRAGMENTS



SANDY CLAY



SAND, GARBAGE,
METAL, GLASS AND ETC

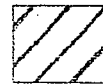


CLAY AND GARBAGE

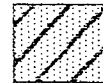
Symbol: Description:



SILTY SANDS
SAND-SILT MIXES



INORGANIC CLAYS OF
HIGH PLASTICITY



SANDY CLAY



LIMESTONE



SANDY CLAY AND
GARBAGE



GROUNDWATER TABLE MEASURED
AT THE COMPLETION OF
THE BORING

Notes:

1. BORINGS DRAFTED FROM BORING LOGS SUBMITTED WITH GROUNDWATER MONITORING PLAN DATED JUNE 14, 1984 AND FROM BORING LOGS SUBMITTED WITH THE MONITORING WELL PERMITS.

**FOR LOCATIONS OF THE BORINGS AND MONITORING WELLS, SEE
THE MAP ENCLOSED IN APPENDIX D.**

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY**

SO60-211179 - SOLID WASTE COMPOSTING

WT60-211205 - WASTE TIRE STORAGE

SO60-211182 - M.R.F.

SF60-211255 - LONG-TERM CARE

SC60-211181 - LEACHATE TREATMENT

PREPARED FOR

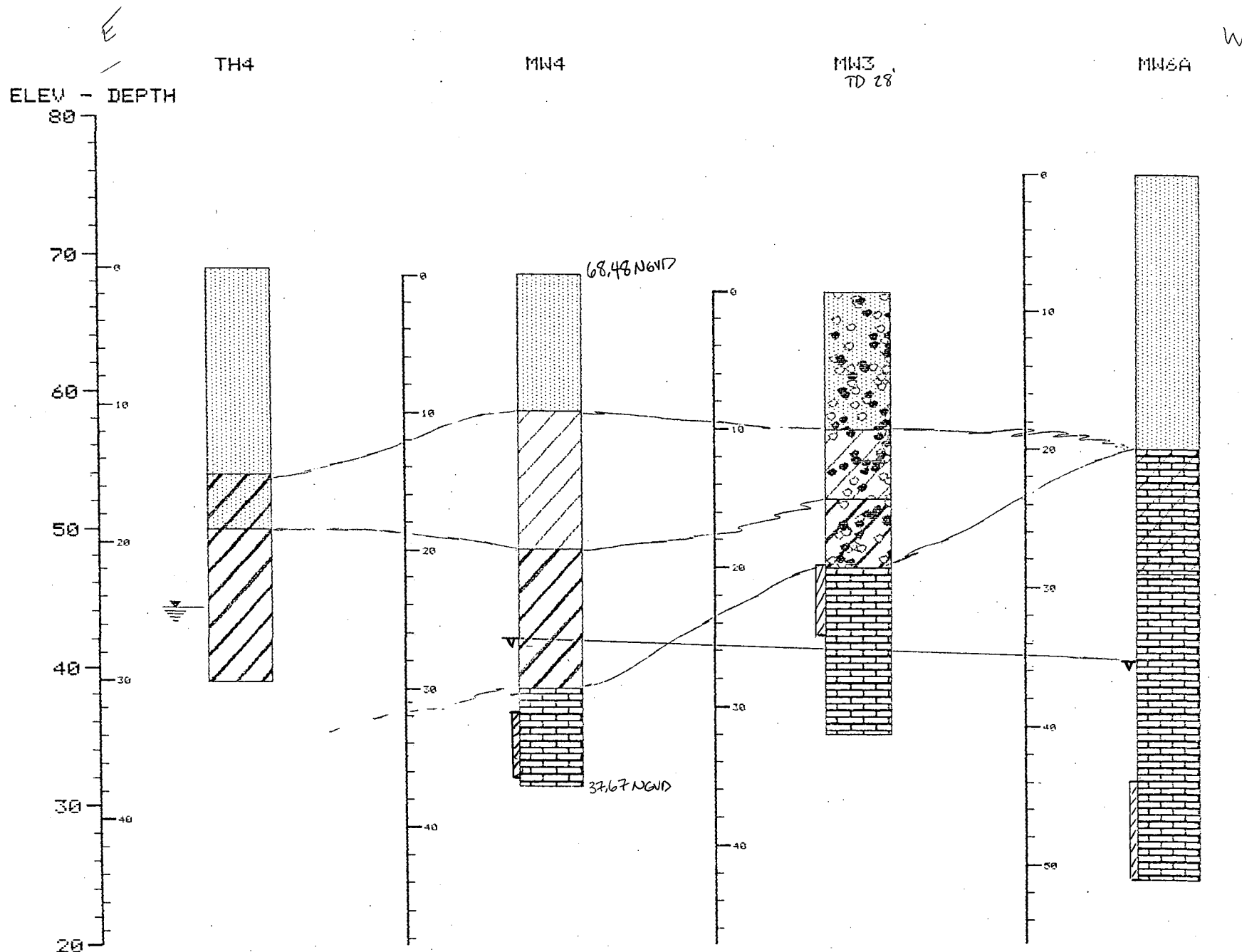


**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX D
CROSS-SECTIONS
FROM BORING LOGS**

MAY 29, 1992

92-1100.00



**SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
CROSS-SECTION A - A'**

MAY 29, 1992

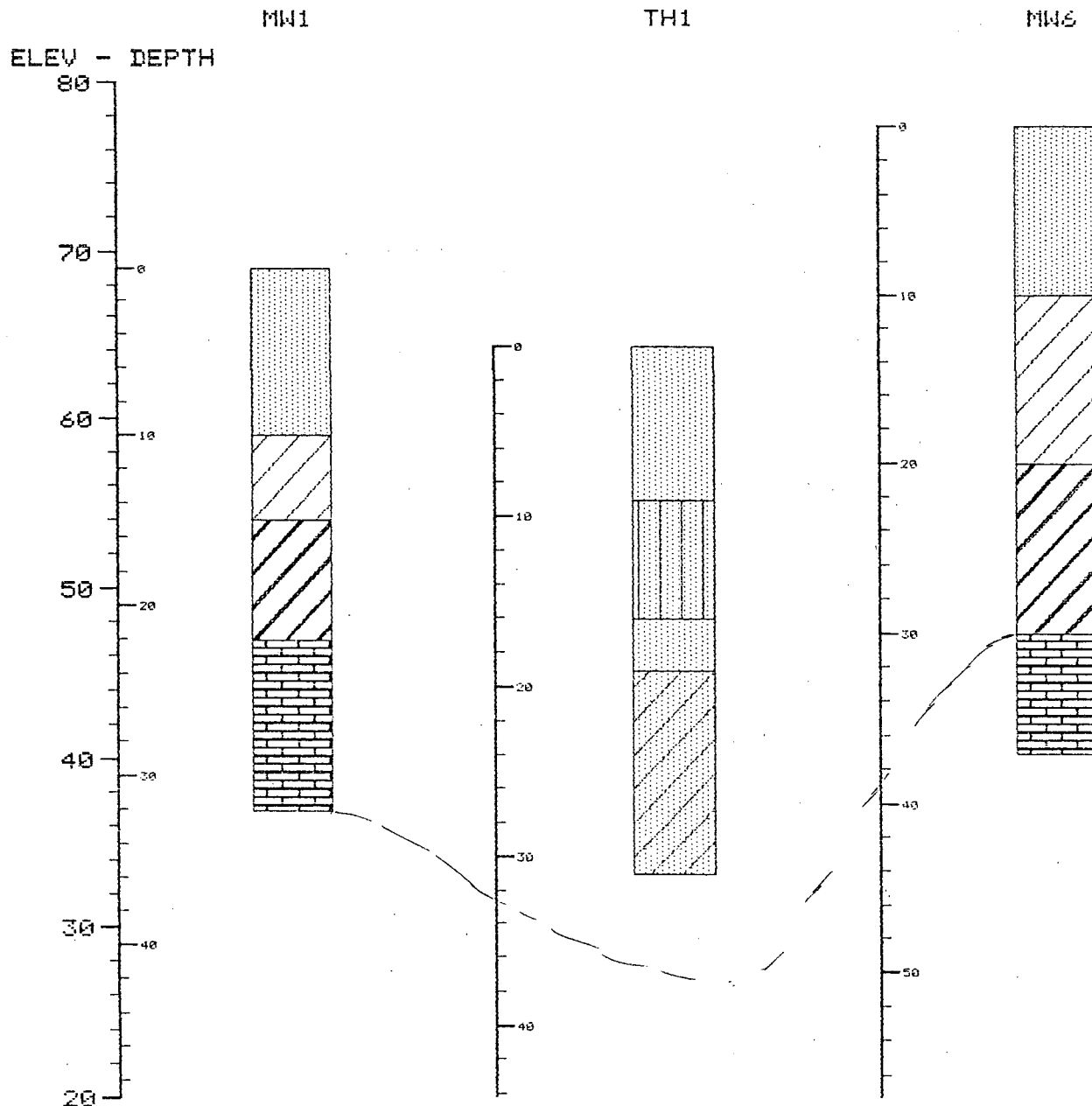
92.1100.00

PAGE NO. D1

Project No. 92-1100.00



**Springstead
Engineering, Inc.**



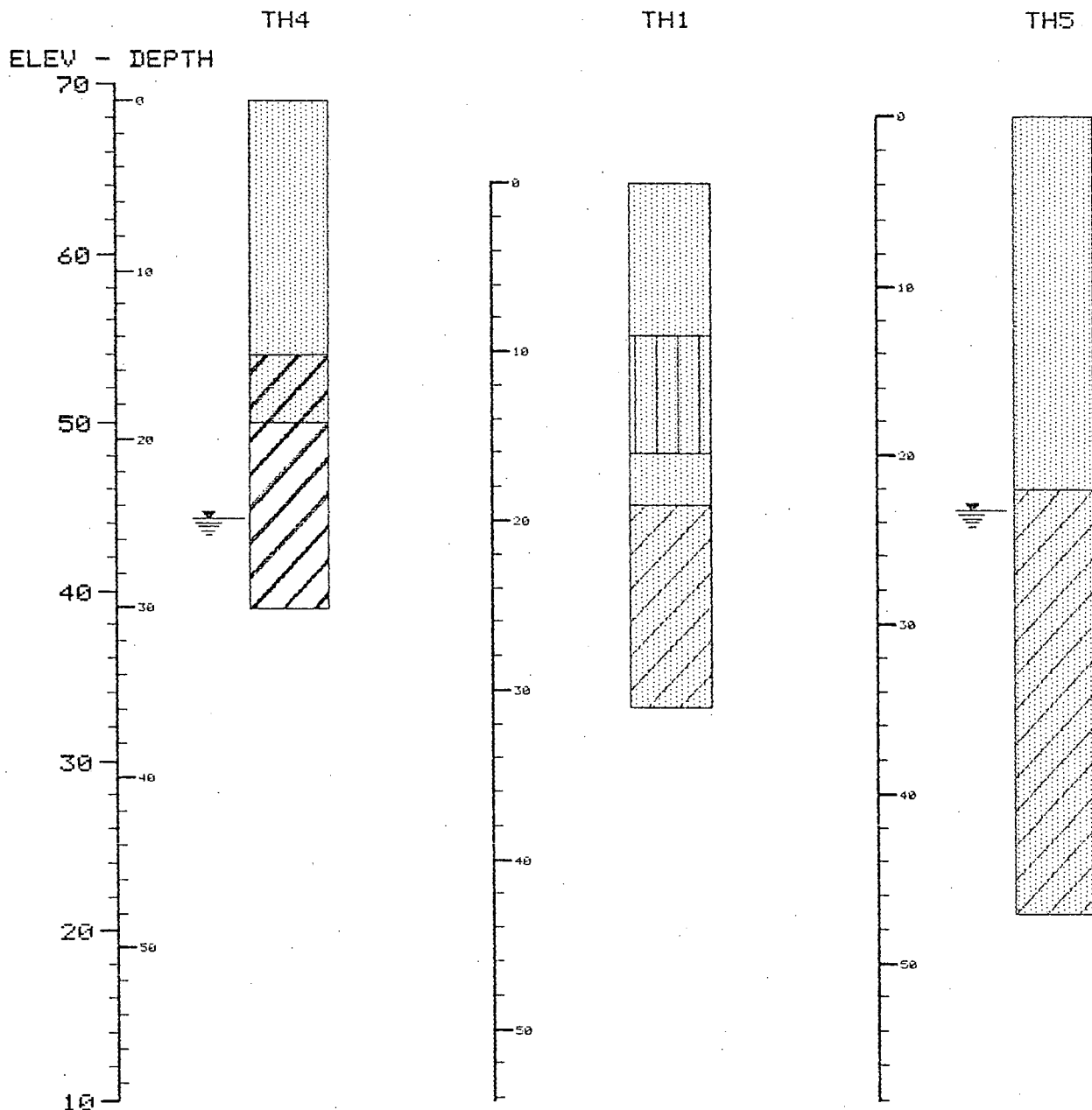
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
CROSS-SECTION B - B'
 MAY 29, 1992
 92.1100.00

PAGE NO. D-2

Project No. 92-1100.00



Springstead
Engineering, Inc.



**SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
CROSS-SECTION C - C'**

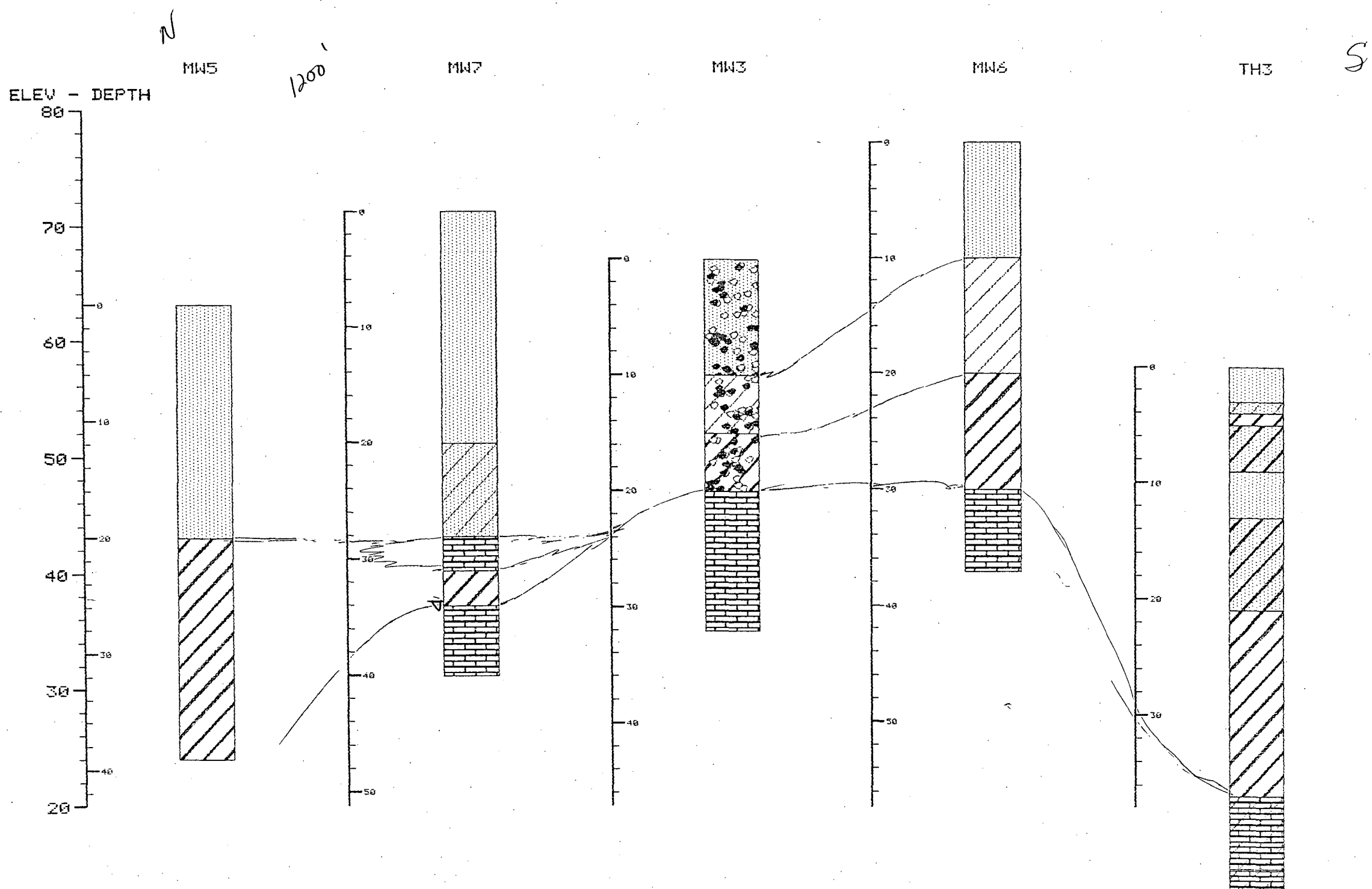
MAY 29, 1992
92-1100.00

PAGE NO. D-3

Project No. 92-1100.00



**Springstead
Engineering, Inc.**



SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
CROSS-SECTION D - D'
 MAY 29, 1992
 92.1100.00

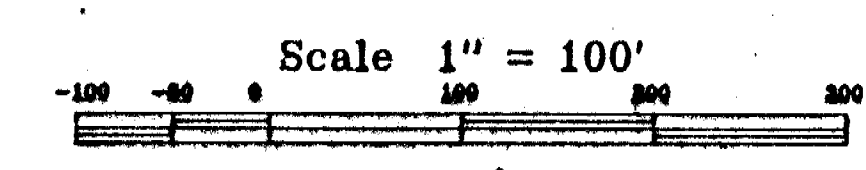
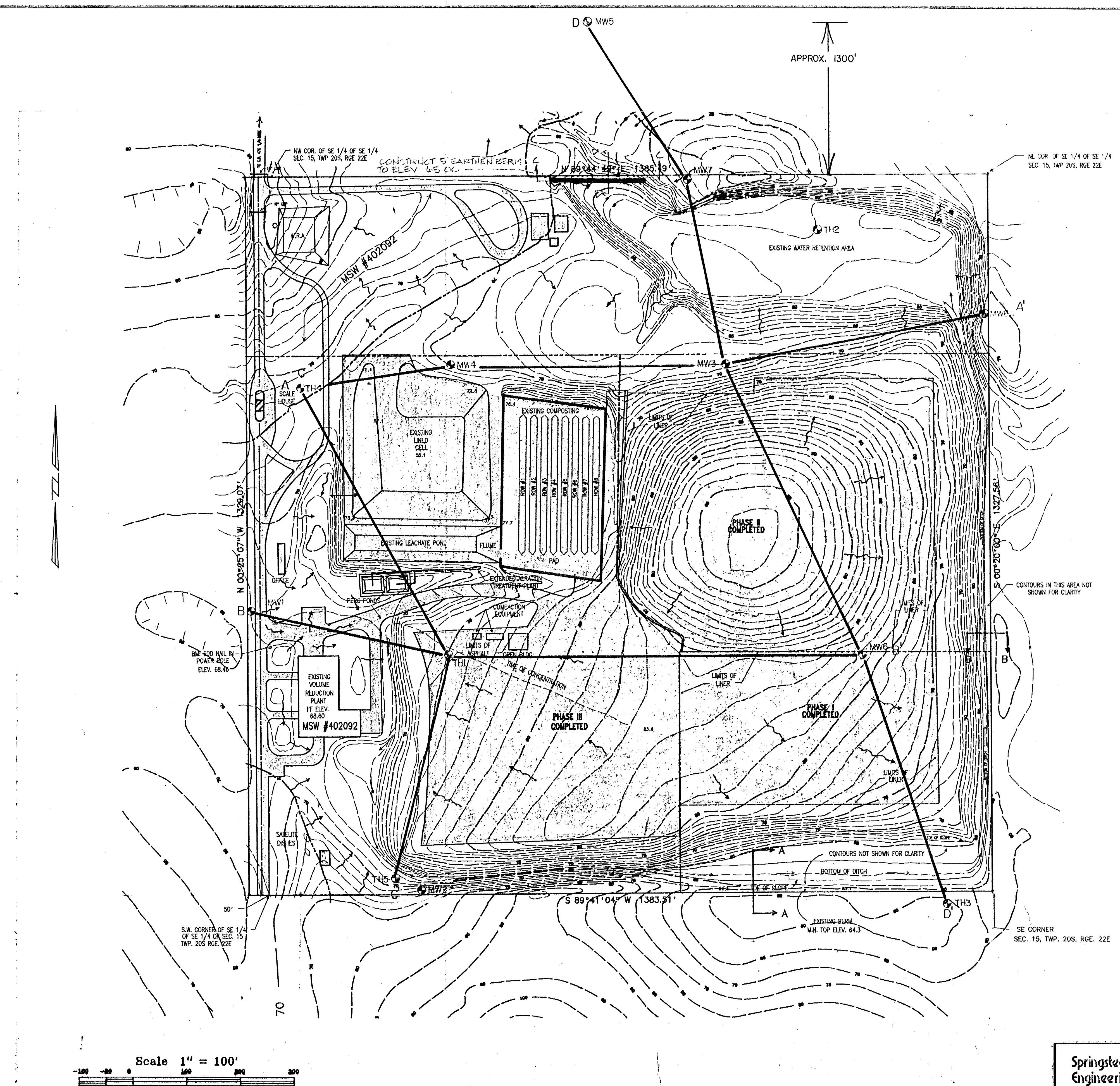
PAGE NO. D-4

Project No. 92-1100.00



Springstead
 Engineering, Inc.

943249 ①



Springstead
Engineering, Inc.



Consulting Engineers
Planners
Surveyors

LOCATIONS OF TEST HOLES
AND MONITORING WELLS
USED IN CROSS-SECTIONS
AT
THE SUMTER COUNTY SOLID
WASTE MANAGEMENT FACILITY

DATE 5-14-92	SCALE 1" = 100'	FILE	JOB NO. 92-1100
DESIGN	DRAWN JAD	CHECKED	SHEET 1 OF 1

MAY 27 1992

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SO60-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX E
GROUNDWATER DATA TABLES**

MAY 29, 1992

92-1100.00

70' 2.4"

MW #1 - TOP EL. 70.20, GROUND EL. 69.0, BOTTOM EL. 39.90
 MW # 2 - TOP EL. 74.17, GROUND EL. 72.47, BOTTOM EL. 39.07
 MW # 4 - TOP EL. 70.47, GROUND EL. 68.48, BOTTOM EL. 35.67
 MW # 5 - TOP EL. 64.57, GROUND EL. 63.10, APPROXIMATELY 175 FEET DEEP
 MW # 6A - TOP EL. 77.47, GROUND EL. 75.67, BOTTOM EL. 26.47
 MW # 7 - TOP EL. 73.08, GROUND EL. 71.27, BOTTOM EL. 22.42

NGVD
CWD
Elev

DATE	MW # 1	MW # 2	MW # 4	MW # 5	MW # 6A	MW # 7
7-10-87	23'11" 46.54	27'8"	24' 1"	18'2"	N/A	N/A
1-18-88	24'8"	28'5"	24'10"	19'2"	N/A	N/A
4-5-88	22'9"	26'5"	22'11"	17'7"	N/A	N/A
7-11-88	26'5"	30'1"	26'5"	20'6"	N/A	N/A
10-18-88	24'1"	27'6"	24'3"	18'6"	N/A	N/A
1-10-89	26'	29'9"	26'3"	20'	N/A	N/A
4-12-89	26'6"	30'9"	27'3"	20'8"	34'5"	29'10"
7-11-89	26'6"	31'	26'9"	20'6"	33'8"	21'2"
10-10-89	24'8"	29'5"	25'6"	19'8"	32'6"	28'3"
1-9-90	26'4"	30'5"	26'11"	20'5"	30'8"	29'2"
4-3-90	22'2"	30'	26'6"	20'3"	32'10"	28'10"
7-10-90	27'4" 42.87	31'5"	27'8" 42.81	21'4"	35'2"	30'1"
X10-16-90	27'6"	31'8"	28'	21'3"	34'9"	30'6"
1-8-91	28'2"	32'2"	28'7"	22'5"	35'5"	31'1"
4-2-91	25'11" 44.28	29'11" 44.26	26'4" 44.14	19'11" 44.65	33'4" 44.14	28'6" 44.58
7-9-91	25'	28'2"	24'5"	18'10"	31'5"	27'
10-1-91	23'9" 46.45	26'10" 47.34	23'1" 47.39	18'6" 46.07	30'2" 47.3	26'3" 46.83
1-7-92	27'7" 42.62	30'10"	27'7"	21'6"	34'4"	30'3"
4-7-92	28'6" 41.70	32'9" 41.42	26'6" 43.91	21'11" 42.65	35' 42.47	31' 42.08

with
table
higher during
dry season

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY DEPTHS TO GROUNDWATER JULY 10, 1987 THROUGH APRIL 7, 1992

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SO60-211179 - SOLID WASTE COMPOSTING
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PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

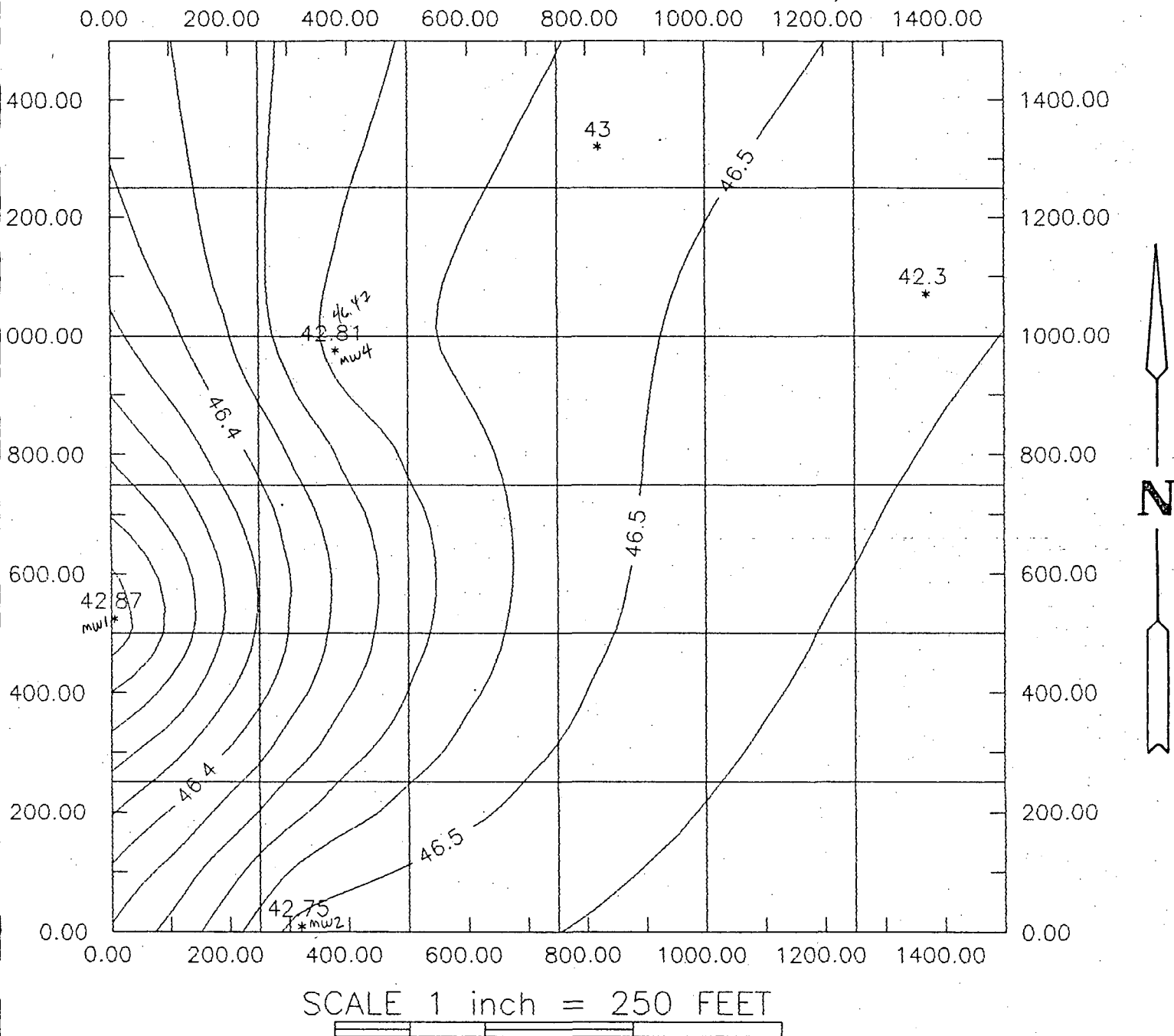
**APPENDIX F
GROUNDWATER ELEVATION
CONTOUR MAPS**

MAY 29, 1992

92-1100.00

SUMTER CO. SOLID WASTE MANAGEMENT FAC.

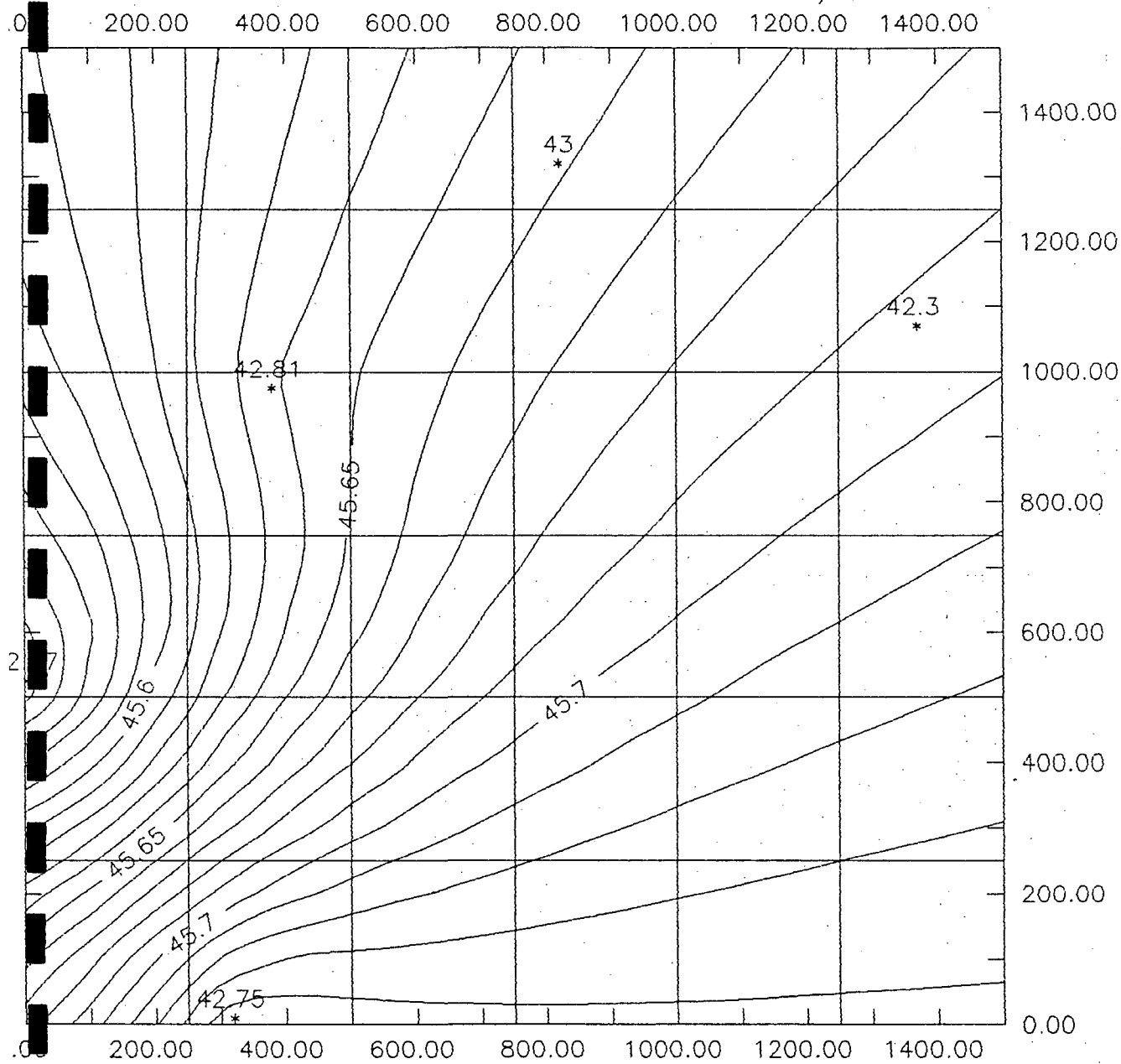
GROUNDWATER ELEVATIONS - JUL 10, 1987



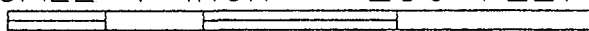
Best Available Copy

JMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — JAN 18, 1988



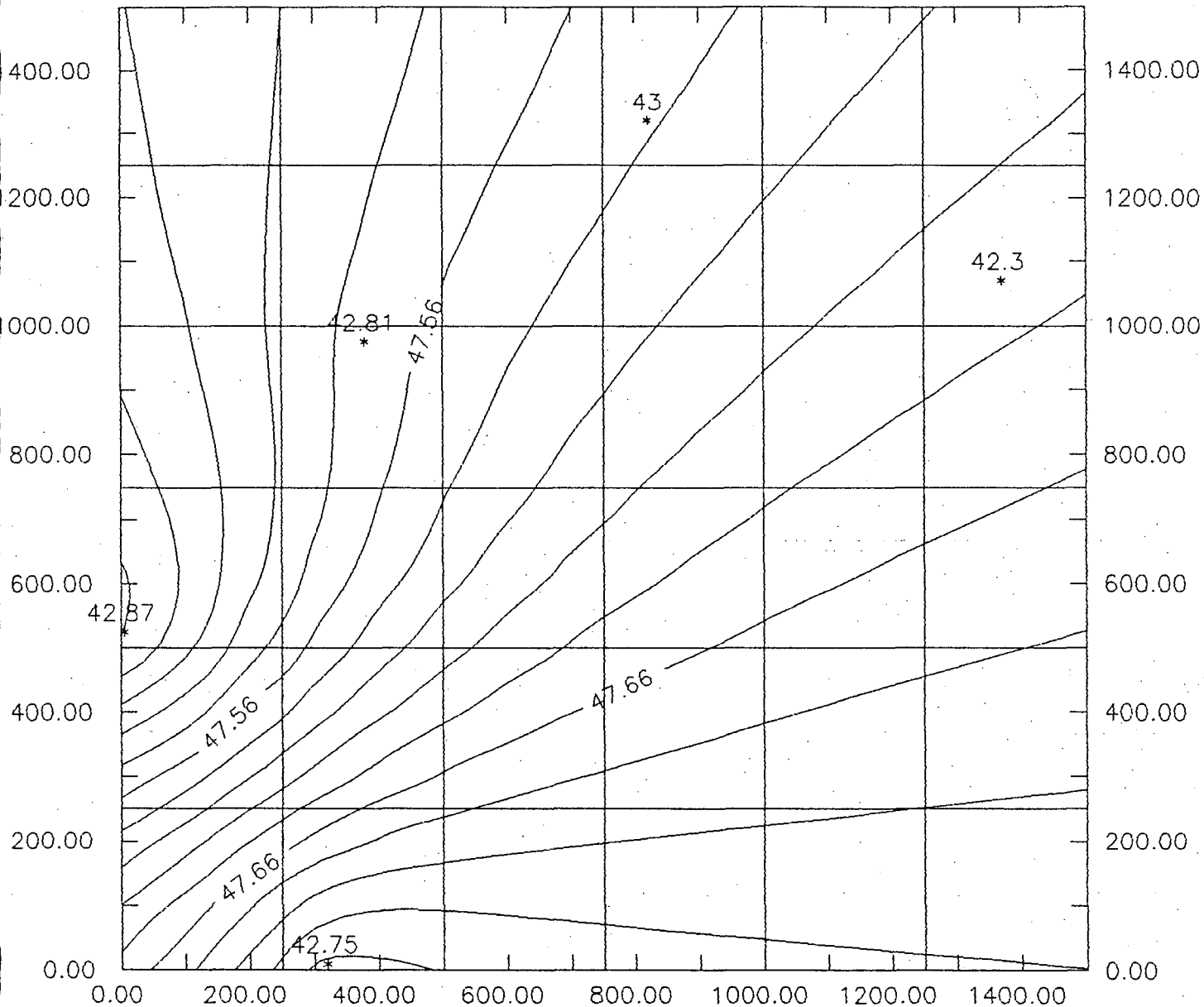
SCALE 1 inch = 250 FEET



SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — APR 5, 1988

0.00 200.00 400.00 600.00 800.00 1000.00 1200.00 1400.00

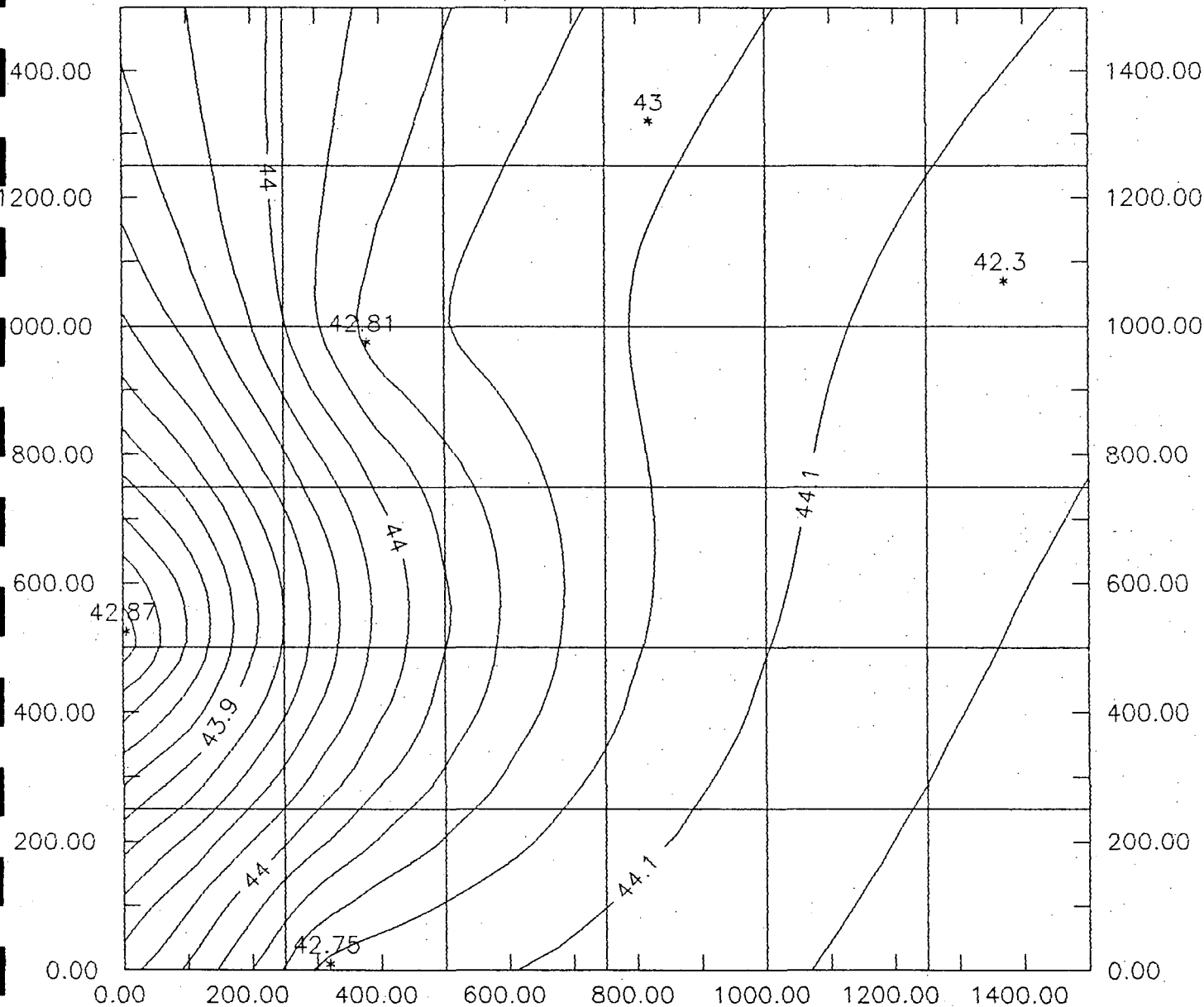


SCALE 1 inch = 250 FEET

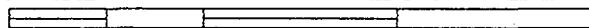
SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — JUL 11, 1988

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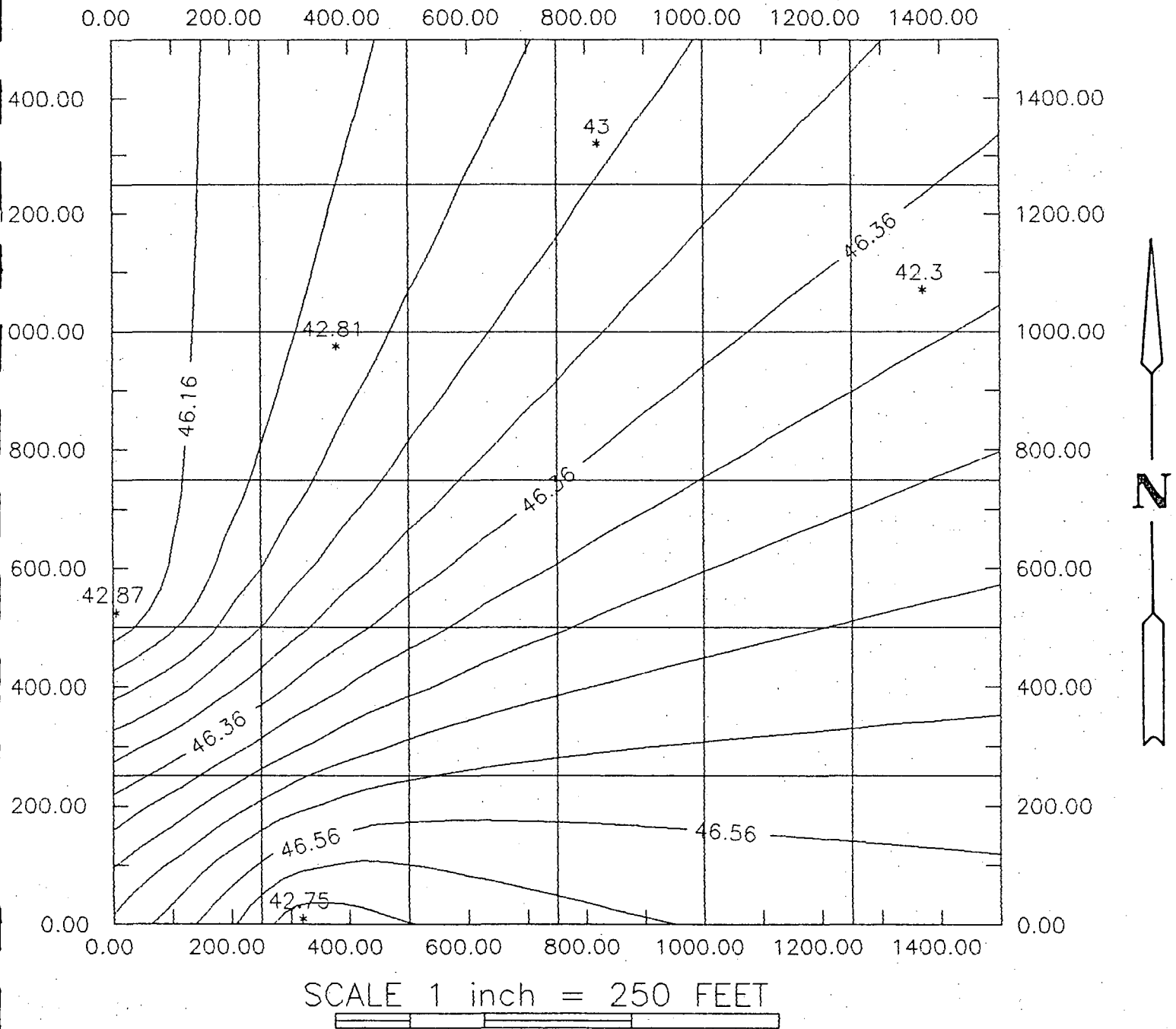


SCALE 1 inch = 250 FEET



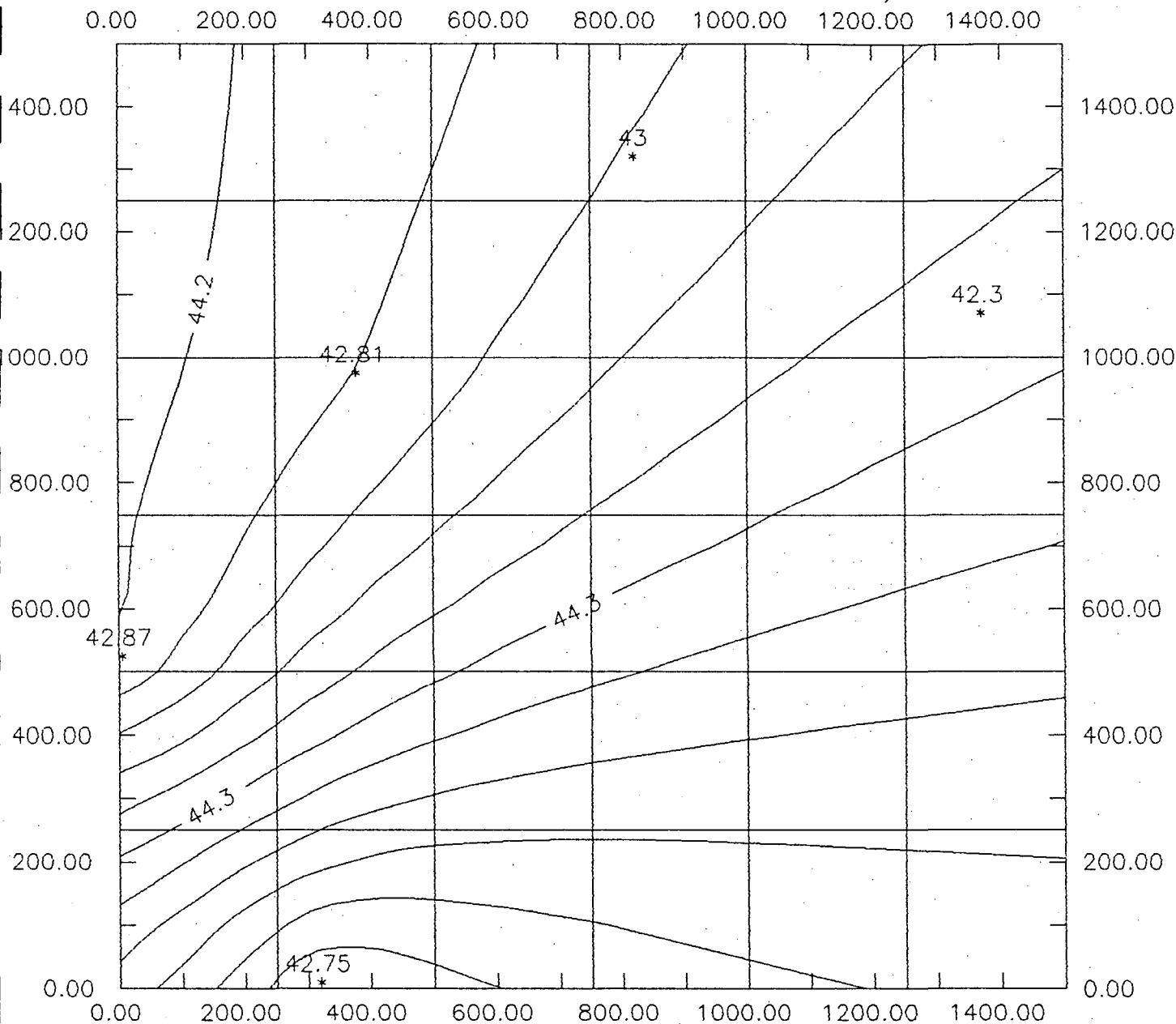
SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — OCT 18, 1988



SUMTER CO. SOLID WASTE MANAGEMENT FAC.

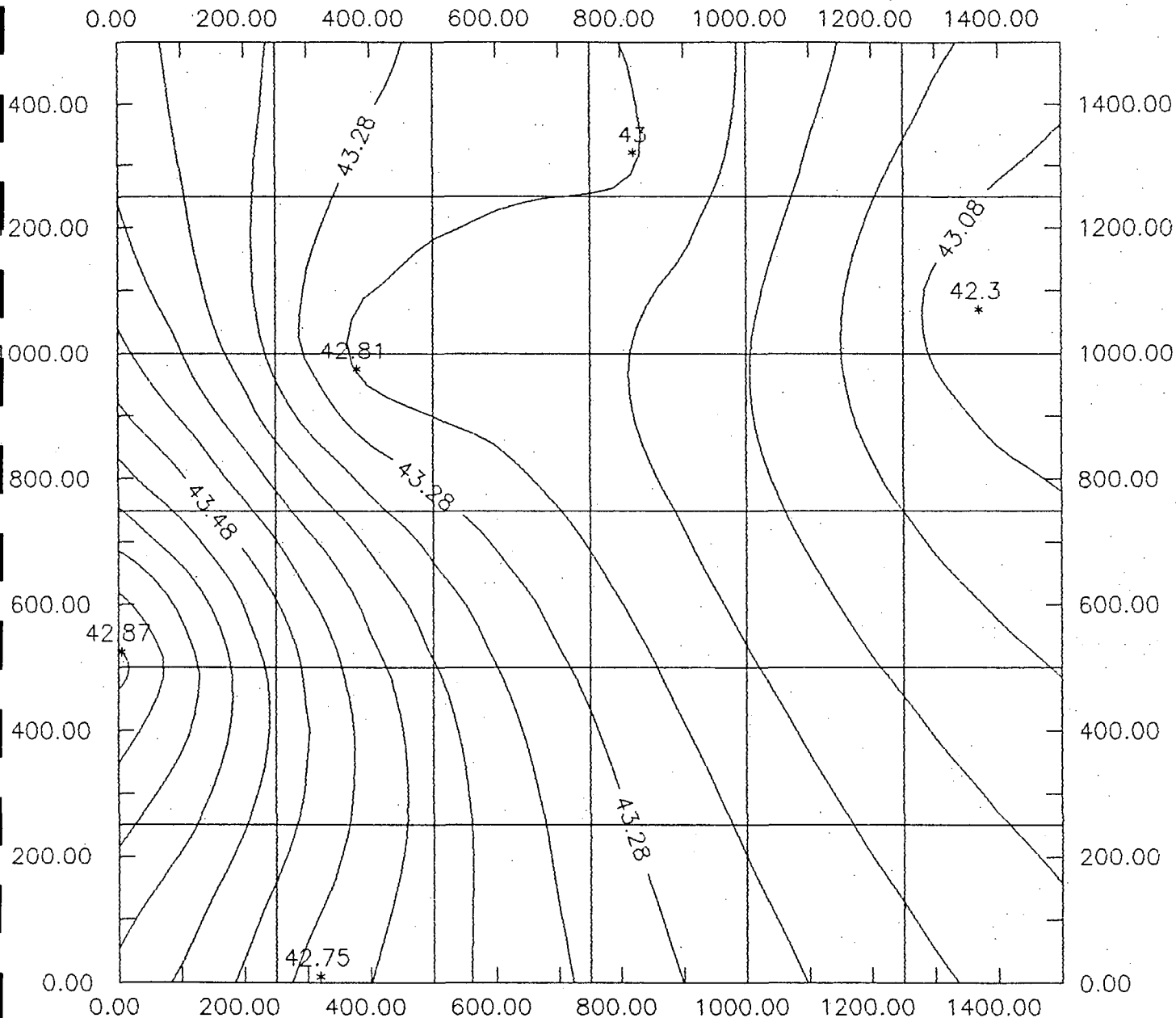
GROUNDWATER ELEVATIONS — JAN 10, 1989



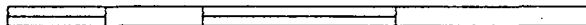
SCALE 1 inch = 250 FEET

SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — APR 12, 1989

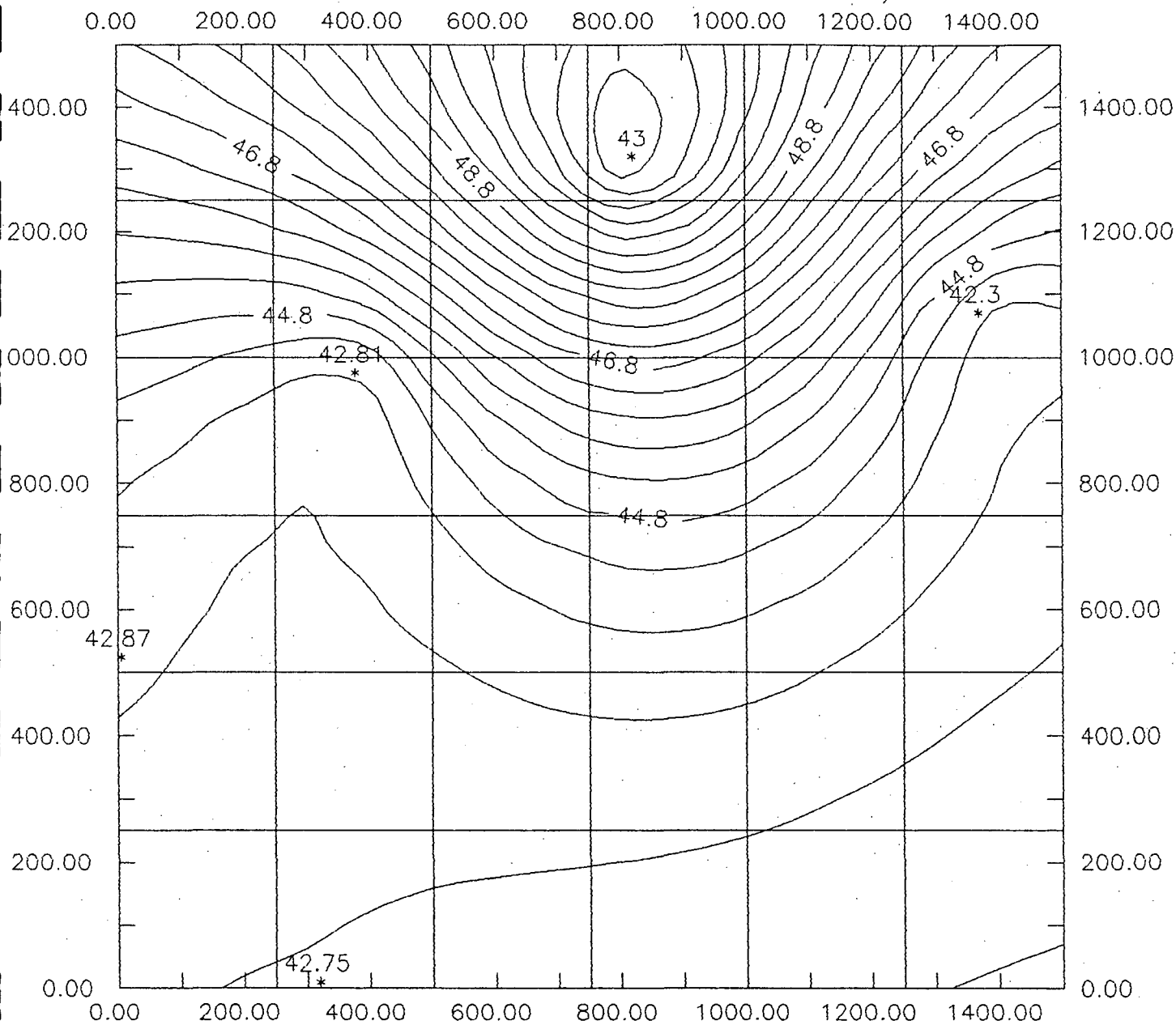


SCALE 1 inch = 250 FEET



SUMTER CO. SOLID WASTE MANAGEMENT FAC.

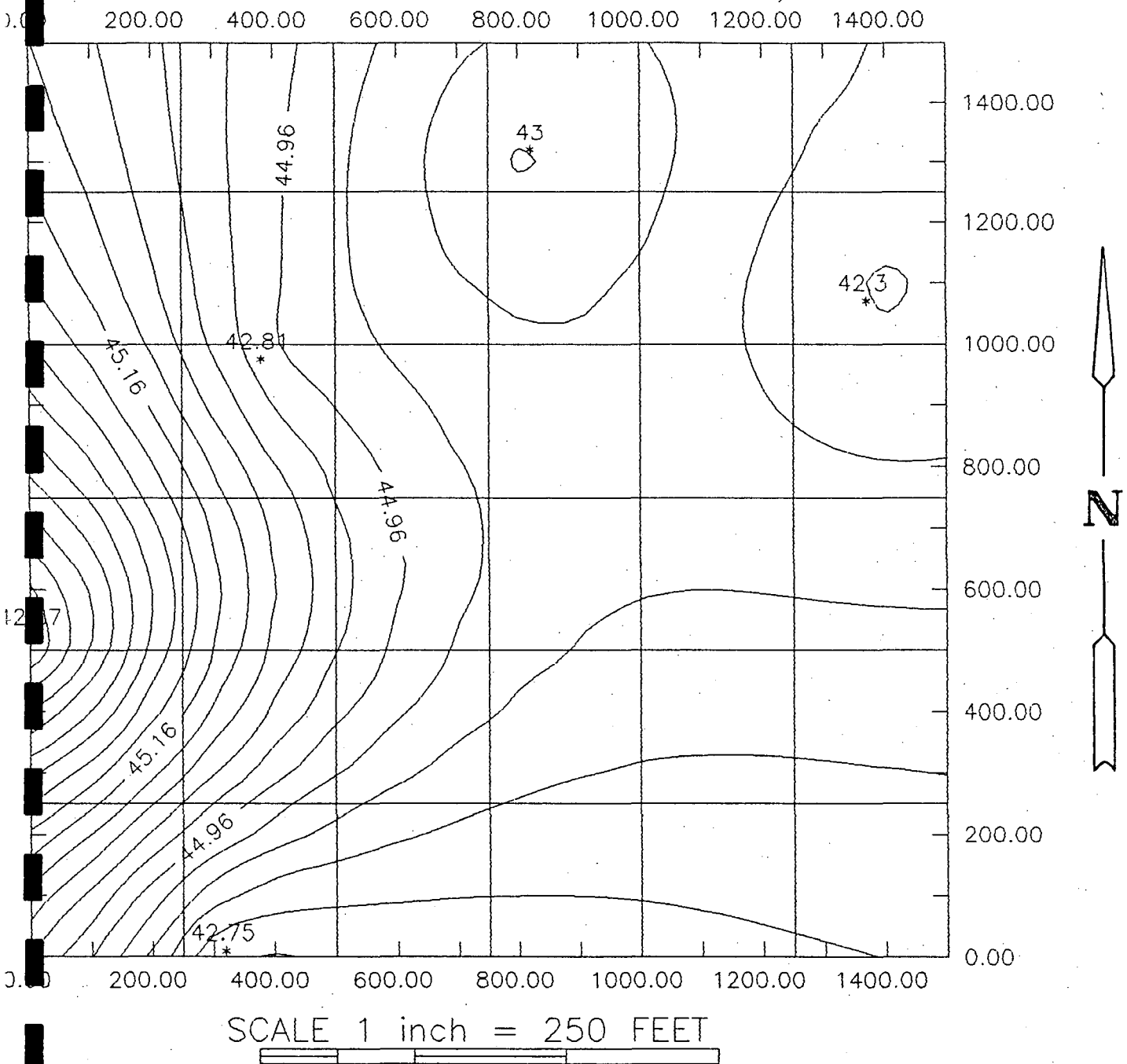
GROUNDWATER ELEVATIONS — JUL 11, 1989



SCALE 1 inch = 250 FEET

UMTER CO. SOLID WASTE MANAGEMENT FAC.

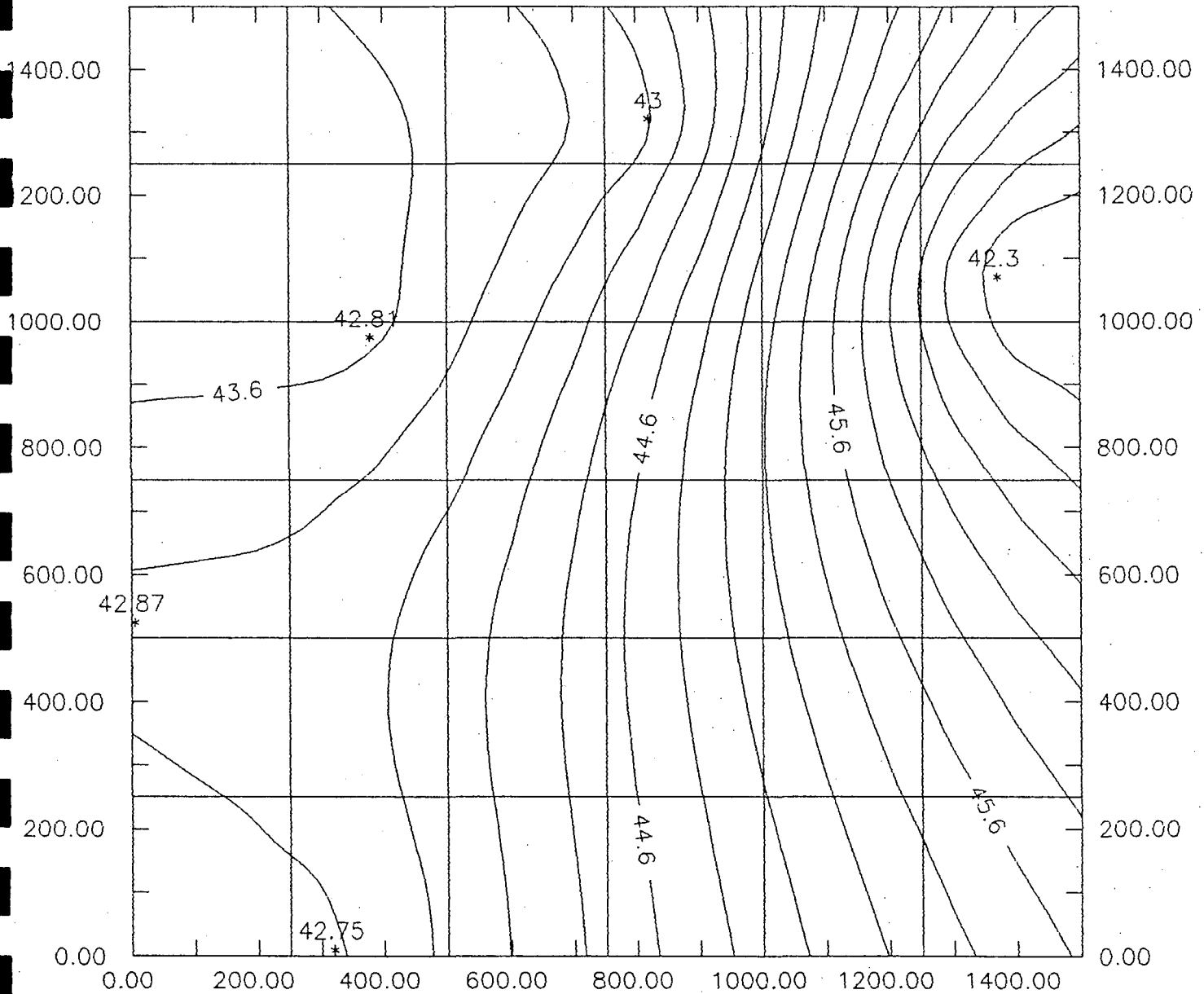
GROUNDWATER ELEVATIONS — OCT 10, 1989



SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — JAN 9, 1990

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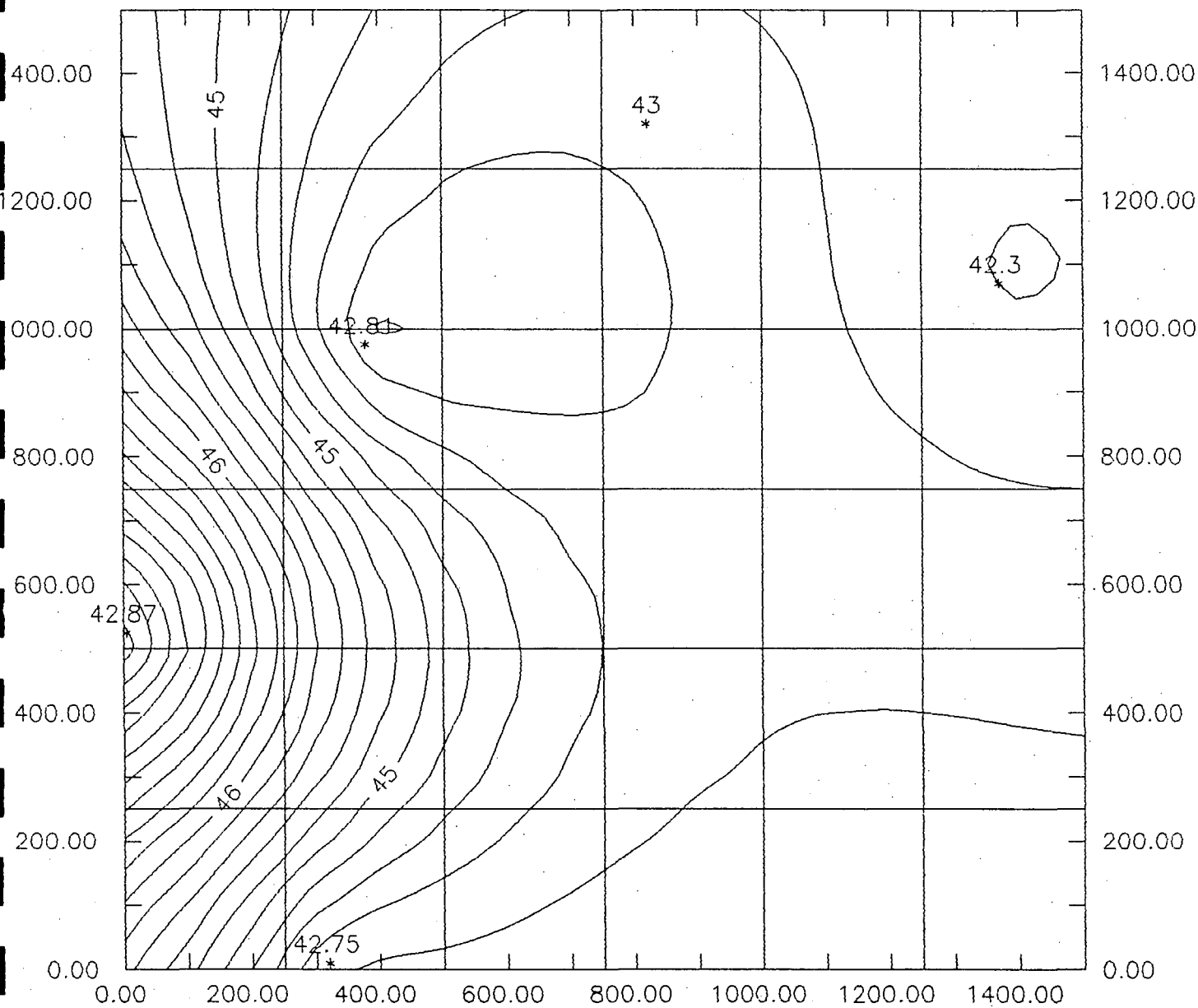


SCALE 1 inch = 250 FEET

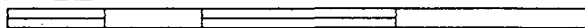
SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — APR 3, 1990

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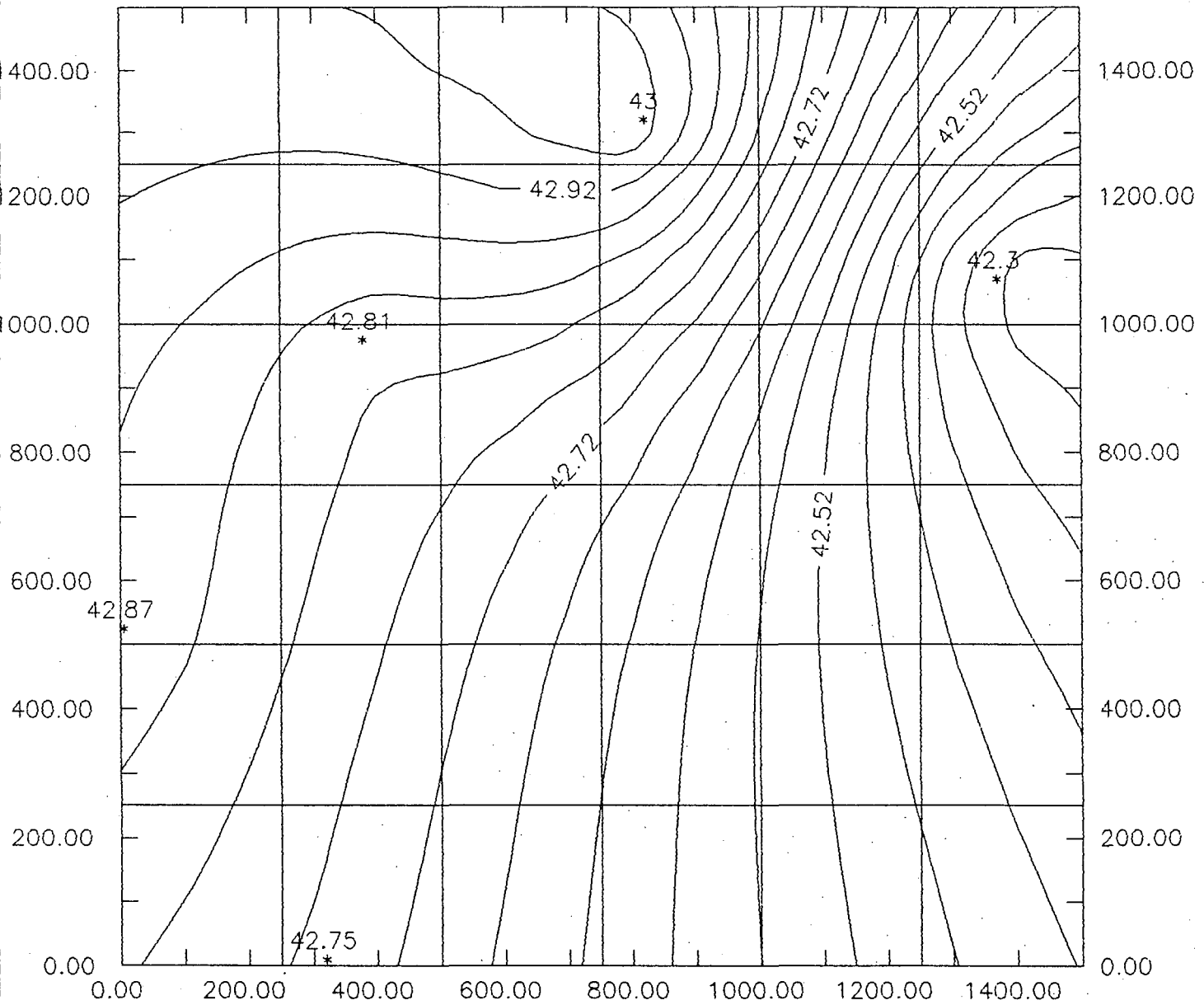
SCALE 1 inch = 250 FEET



SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — JUL 10, 1990

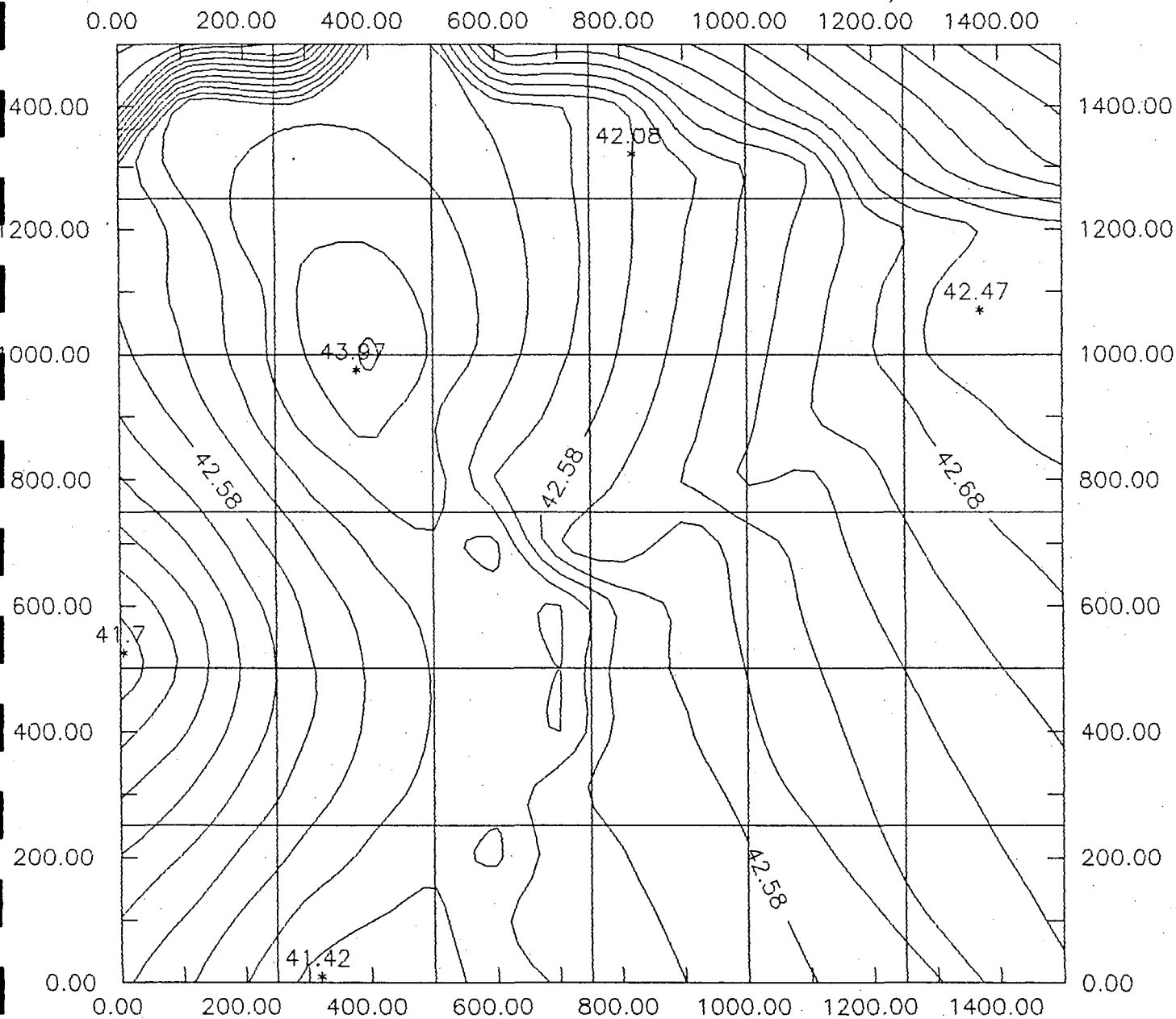
0.00 200.00 400.00 600.00 800.00 1000.00 1200.00 1400.00



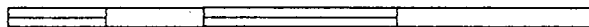
SCALE 1 inch = 250 FEET

SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — OCT 16, 1990



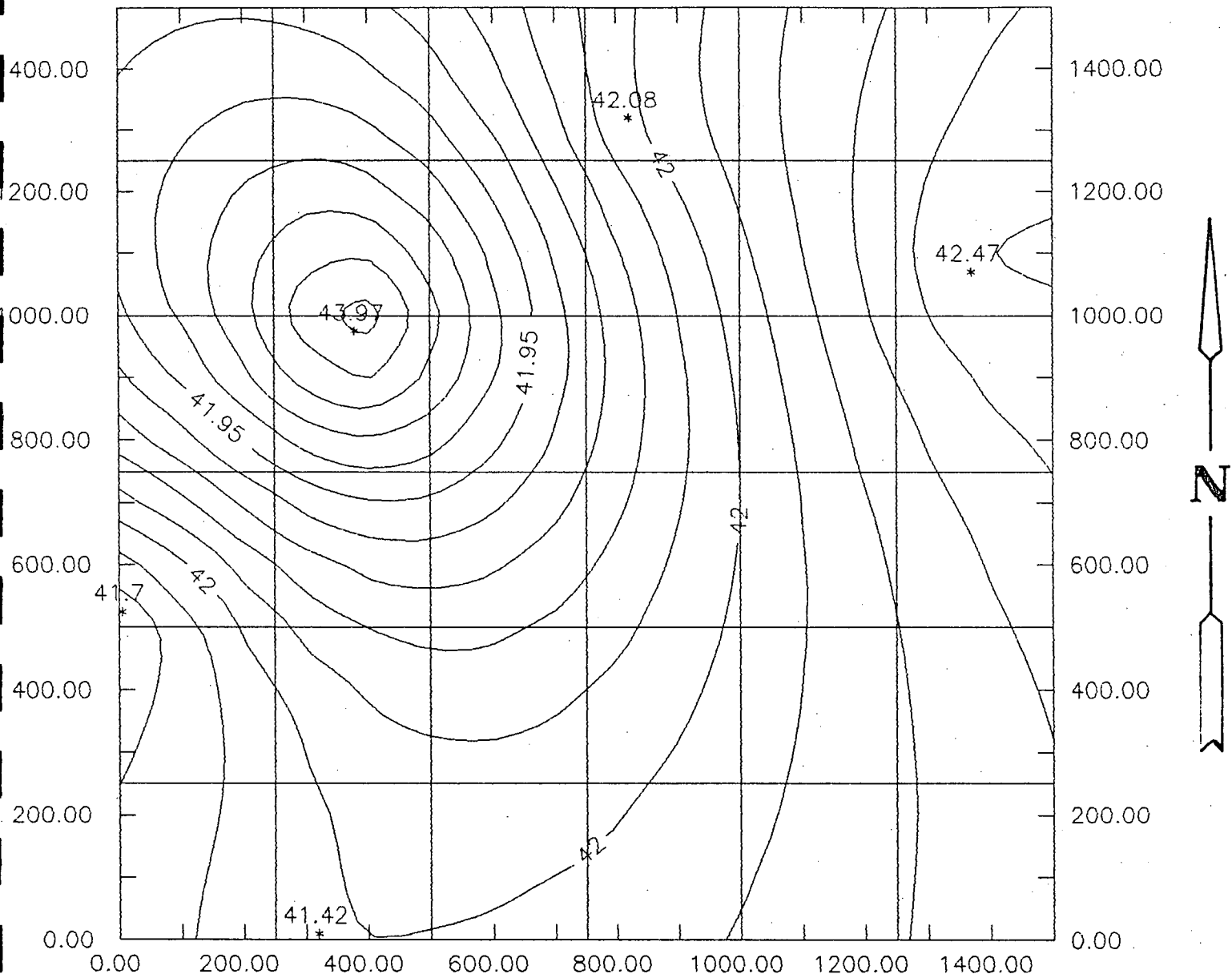
SCALE 1 inch = 250 FEET



SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — JAN 8, 1991

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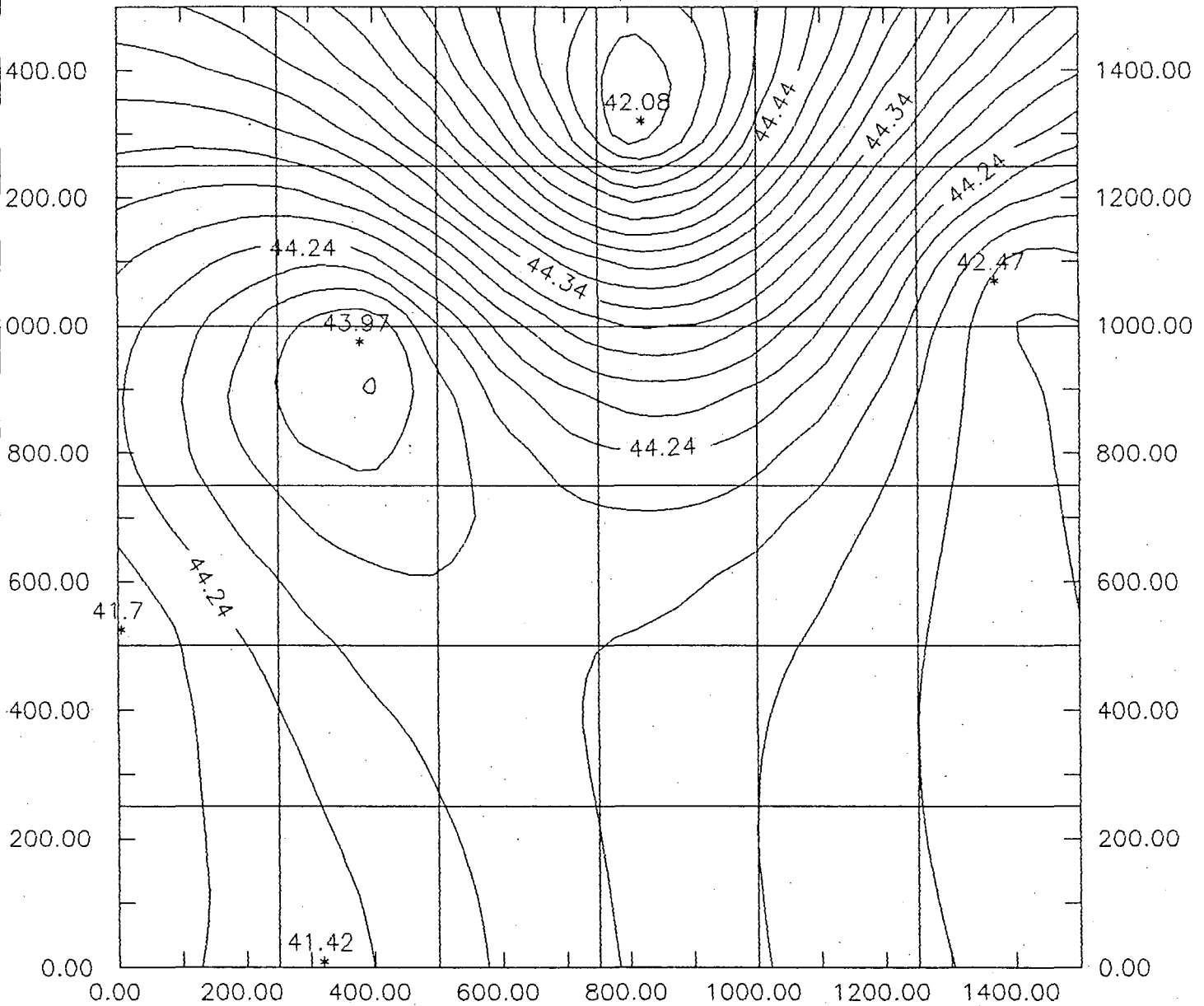


SCALE 1 inch = 250 FEET

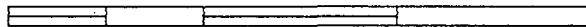
SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — APR 2, 1991

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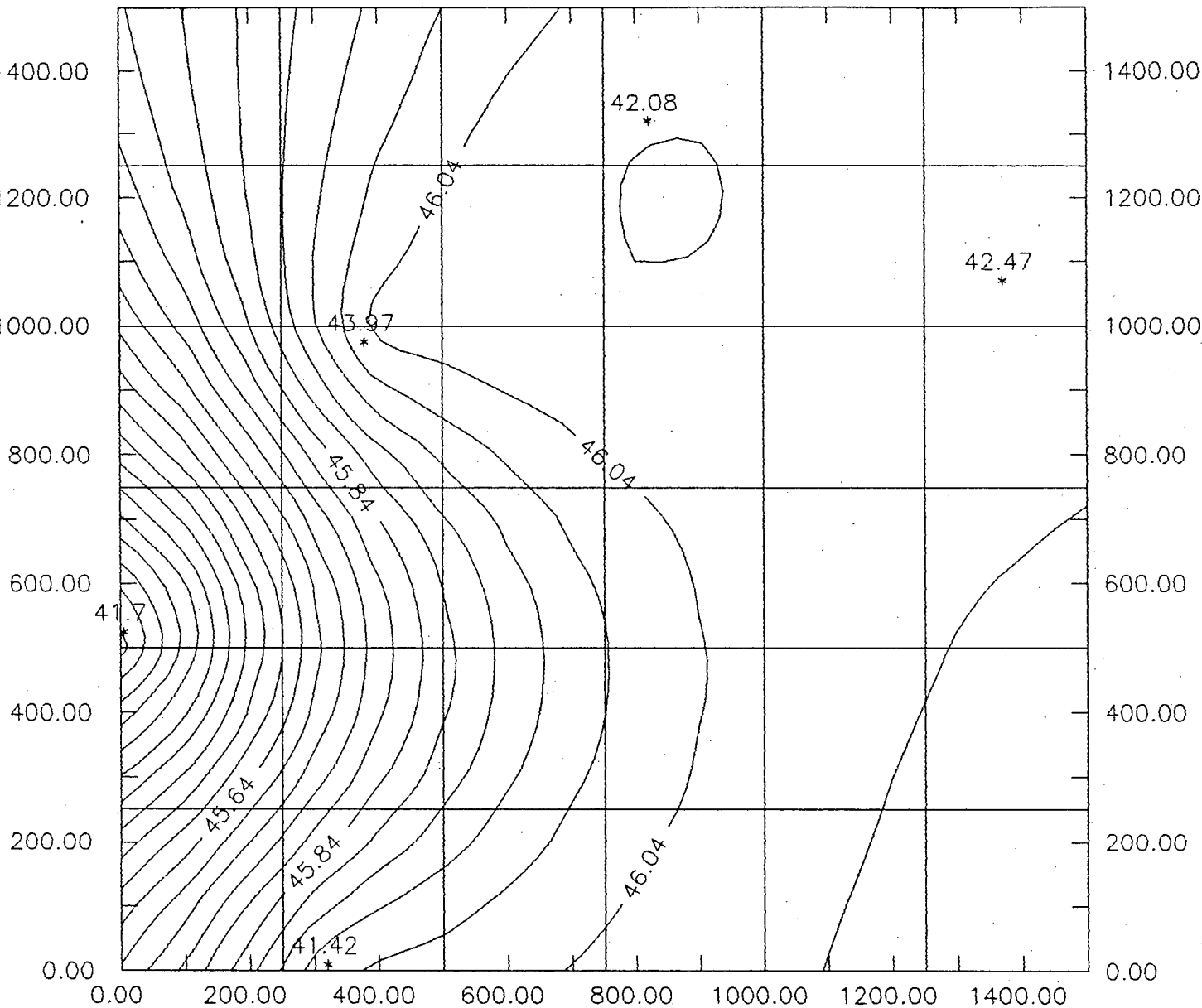
SCALE 1 inch = 250 FEET



SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — JUL 9, 1991

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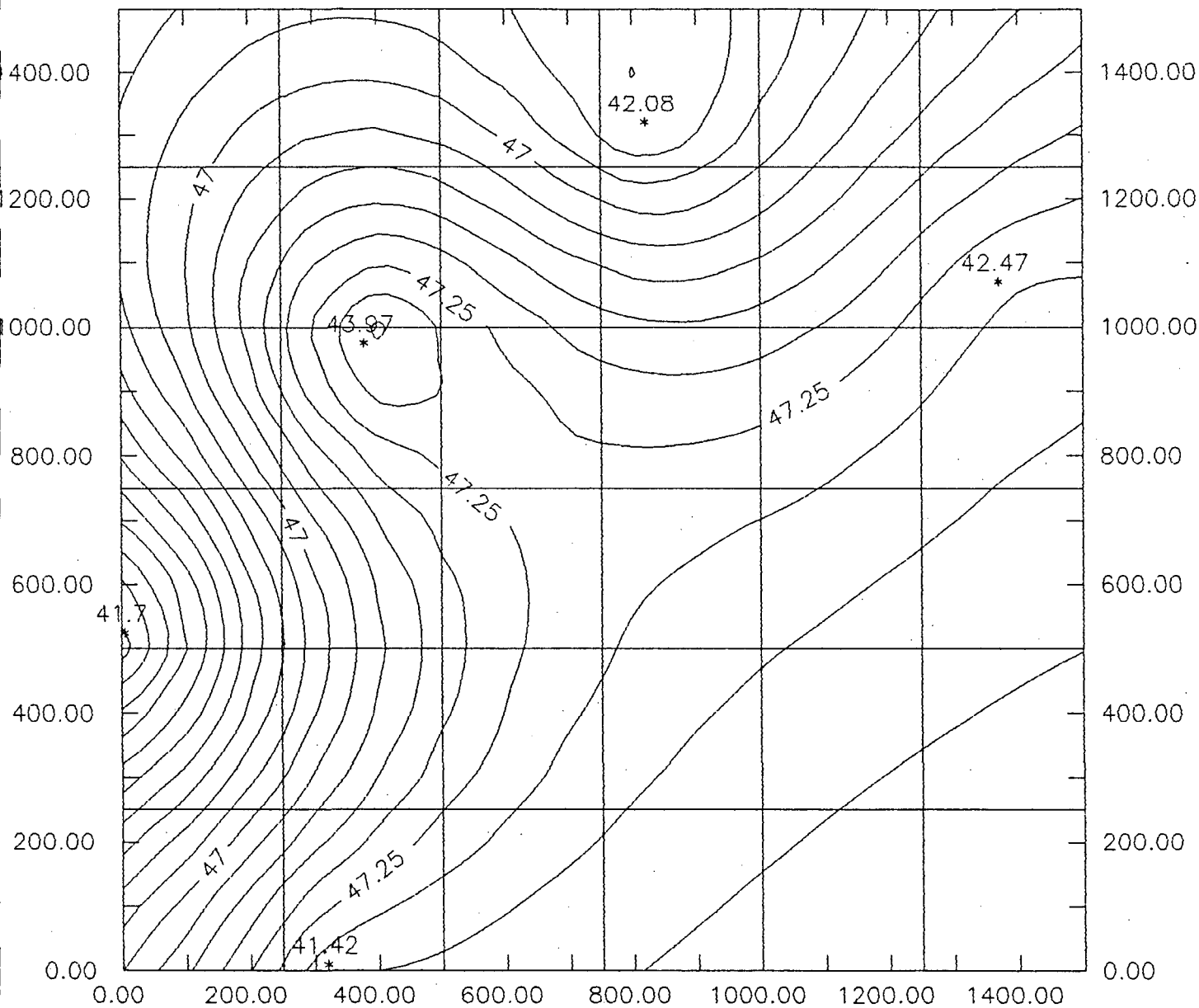


SCALE 1 inch = 250 FEET

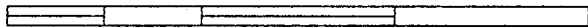
SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — OCT 1, 1991

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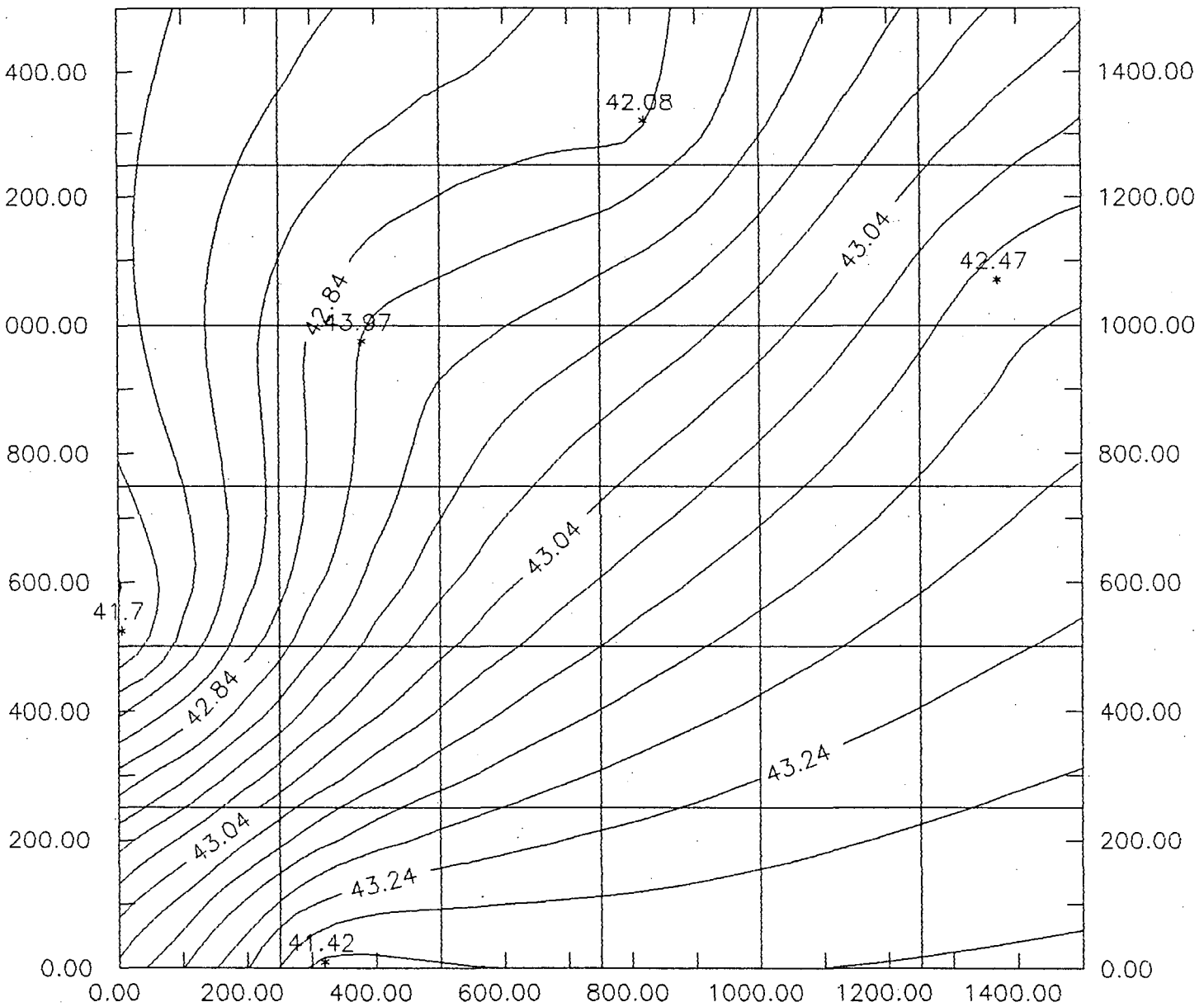
SCALE 1 inch = 250 FEET



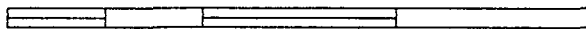
SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — JAN 7, 1992

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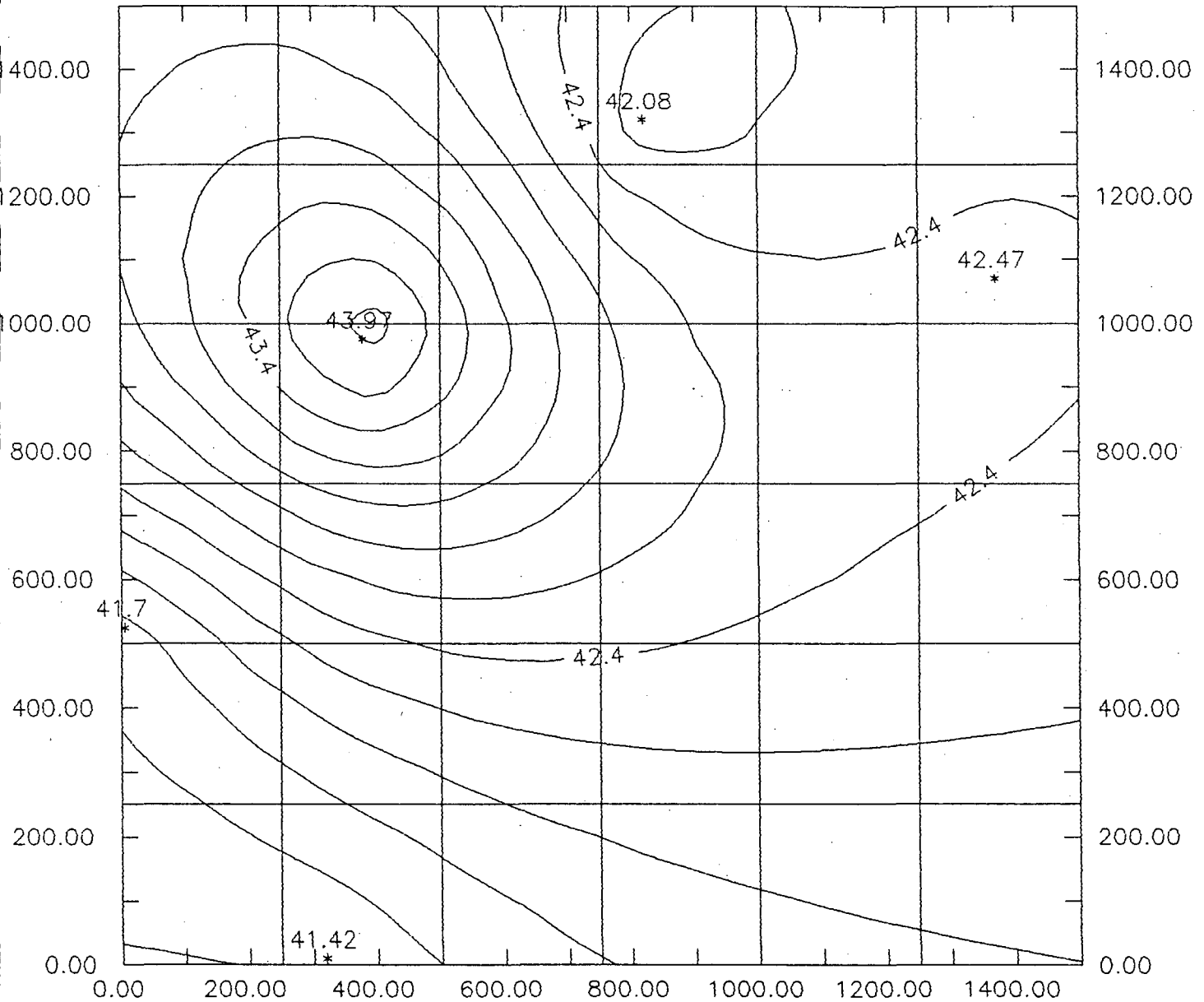
SCALE 1 inch = 250 FEET



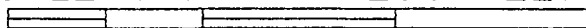
SUMTER CO. SOLID WASTE MANAGEMENT FAC.

GROUNDWATER ELEVATIONS — APR 7, 1992

0.00 200.00 400.00 600.00 800.00 1000.00 1200.00 1400.00



SCALE 1 inch = 250 FEET



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SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**

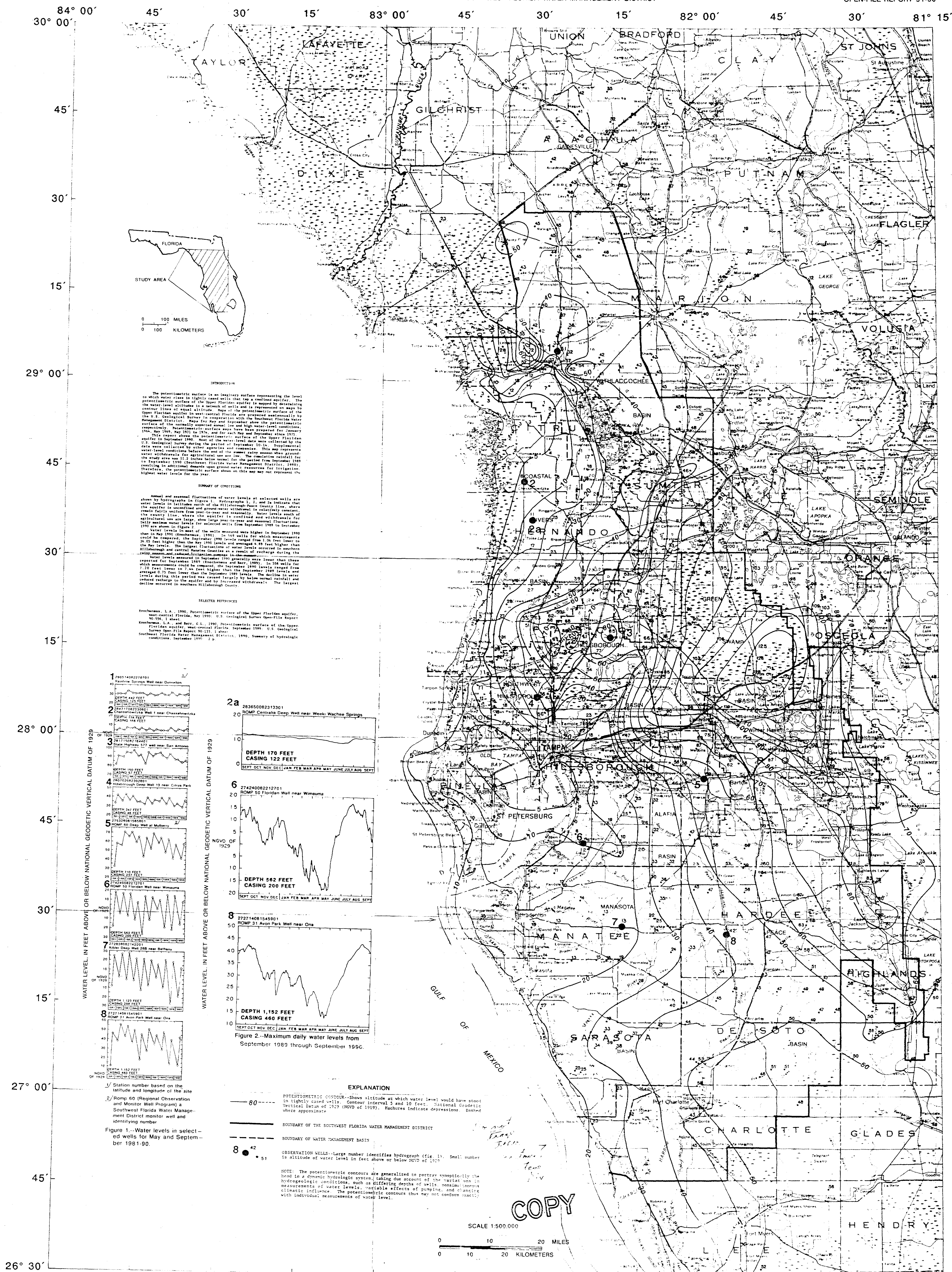


**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX G
S.W.F.W.M.D.
POTENTIOMETRIC SURFACE MAP**

MAY 29, 1992

92-1100.00



POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER,
WEST-CENTRAL FLORIDA, SEPTEMBER 1990

By

R.A. Mularoni and L.A. Knochenmus

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
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PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX H
LAND USE MAP**

MAY 29, 1992

92-1100.00

TOWNSHIP 20 SOUTH

CONSERVATION

CONSERVATION

AGRICULTURAL

COMMERCIAL

A-1
RESIDENTIAL
RURAL RESIDENTIAL

AGRICULTURAL

CONSERVATION

INDUSTRIAL

INDUSTRIAL

RURAL RESIDENTIAL

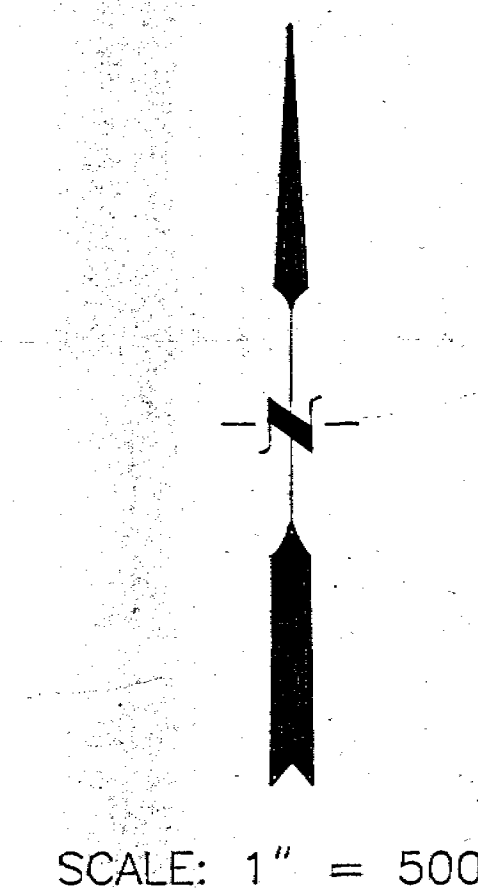
SUMTER
COUNTY
COMPOSTING
FACILITY

INDUSTRIAL

AGRICULTURAL

AGRICULTURAL

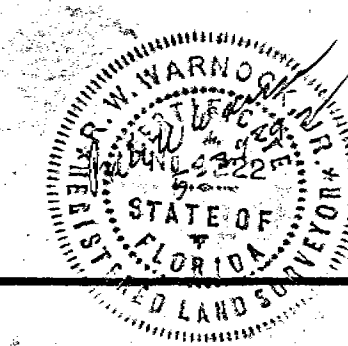
RANGE 22 EAST



SCALE: 1" = 500'

- LEGEND:
- = ZONING DIVIDE
 - ⊗ = SECTION NUMBER
 - = RESIDENCE

REV. BY:	DESCRIPTION:	DATE:	DRAWN:
Springstead Engineering, Inc.	ZONING MAP FOR SUMTER COUNTY COMPOSTING FACILITY SUMTER COUNTY, FL		
Consulting Engineers Planners Surveyors	DATE: 03/17/92	SCALE: 1" = 500'	FILE: ZONINGC
	DESIGN: N/A	CHECKED: R.L.F.	JOB NO.: 921100.00
		DRAWN: R.W.W.	SHEET: 1 OF: 1



**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
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SO60-211182 - M.R.F.
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SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**

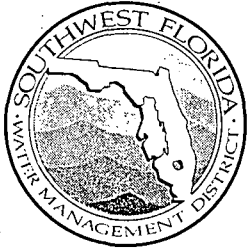


**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX I
S.W.F.W.M.D. WELL SURVEY**

MAY 29, 1992

92-1100.00



Southwest Florida Water Management District

2379 Broad Street (U.S. 41 South) Brooksville, Florida 34609-6899
Phone (904) 796-7211 or 1-800-423-1476 SUNCOM 628-4150

May 19, 1992

RECEIVED
MAY 21 1992

SE/

Charles A. Black
Chairman, Crystal River
Roy G. Harrell, Jr.
Vice Chairman, St. Petersburg
Sally Thompson
Secretary, Tampa
Rita J. Roehr
Treasurer, Sarasota
Ramon F. Campo
Brandon
James L. Cox
Lakeland
Joe L. Davis, Jr.
Wauchula
John T. Hamner
Bradenton
Curtis L. Law
Land O' Lakes
James E. Martin
St. Petersburg
Margaret W. Sistrunk
Odessa

Peter G. Hubbell
Executive Director
Mark D. Farrell
Assistant Executive Director

Springstead Engineering Inc.
727 South 14th Street
Leesburg, Florida 34748

SUBJECT: Well Construction Permit Listing

Dear Mr. Dunaway:

We have received your request for a permit listing
for areas outlined in your letter dated May 15, 1992.

If I can be of any further assistance, please contact
this office.

Sincerely,

A handwritten signature in cursive script that reads "Joanne P. Pacini".

Joanne P. Pacini
Office Specialist
Well Construction Permitting

JPP:jp

Excellence
Through
Quality
Service

WCR050-01
21:30:06

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WELL CONSTRUCTION PERMITTING
WELL PERMITS ISSUED REPORT

05-18-92
PAGE 1

BANNER PAGE

SELECTED PARAMETER DATA

PERMIT ISSUE DATE: 01/01/70 THRU 05/18/92
SECTION: 21 THRU 23 TOWNSHIP: 20 RANGE: 22
COUNTY: NONE SELECTED

**
** HRLAQ1U **
**

WELL PERMITS ISSUED REPORT

COUNTY: SUMTER		ISSUE DATE RANGE: 01/01/70 THRU 05/18/92								
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO	WELL TO DEPTH
329048.01	094912	G ALTMAN NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	12.00	21-20-22	IRRIGATION	999998	55			147
348519.01	011486	ZACHARY, GARY PO BOX 413 BUSHNELL, FL PHONE:(904) 793-2823 ZIP:33513-	4.00	21-20-22	IRRIGATION	001544				
377580.01	010208	WILBUR MESSER 1510 TANKERSLEY ROAD BROOKSVILLE, FL PHONE:(000) 000-0000 ZIP:33512-	4.00	21-20-22	DOMESTIC	002120	84			94
399567.01	009006	GUY ZACKERY ROUTE 3, BOX 241 BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	8.00	21-20-22	IRRIGATION	002206	116			310
414217.01	009006	GUY ZACKERY ROUTE 3, BOX 241 BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	12.00	21-20-22	IRRIGATION	001969	82			270
321830.01	087700	A CORBIN NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	6.00	22-20-22	IRRIGATION	999998	40			160
321831.01	087701	A CORBIN NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	6.00	22-20-22	IRRIGATION	999998	40			100
325140.01	091005	J E WARREN NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	4.00	22-20-22	PUBLIC SUPPLY	001626	122			220
373036.01	008593	GUY MADDOX ROUTE 1, BOX 340 BUSHNELL, FL PHONE:(904) 793-6684 ZIP:33513-	6.00	22-20-22	IRRIGATION	001034	42			155
378804.01	011116	GUY MADDOX RT 1, BOX 340 BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	4.00	22-20-22	IRRIGATION	001034				

WC050-01
21:30:06

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WELL CONSTRUCTION PERMITTING

05-18-92
PAGE 3

WELL PERMITS ISSUED REPORT

COUNTY:	SUMTER	ISSUE DATE RANGE:	01/01/70 THRU 05/18/92						
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-8	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY TELESCOPE DEPTH	LINER FROM TO FROM	WELL TO DEPTH
344607.01	110121	CONLEY, WM NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	2.00	23-20-22	DOMESTIC	999999			
362769.01	136461	ALLSTATE HOMES POST OFFICE BOX 280158 TAMPA, FL PHONE: (000) 000-0000 ZIP: 33682-0158	4.00	23-20-22	DOMESTIC	001150	42		75
371578.01	008450	LEWIS SWEETAPPLE P.O. BOX 57 SUMTERVILLE, FL PHONE: (904) 793-7034 ZIP: 33585-	6.00	23-20-22	IRRIGATION	001116	66		102
371661.01	029890	CHESSER, C. NORMAN 202 SEITZ RD SCHWANKSVILLE, PA PHONE: (000) 000-0000 ZIP: 19473-	4.00	23-20-22	DOMESTIC	001116	84		102
373133.01	030051	HORNECKER, THOMAS PO BOX 292 SUMTERVILLE, FL PHONE: (000) 000-0000 ZIP: 33585-	2.00	23-20-22	DOMESTIC	002161	59		82
375800.01	032611	WATFORD, LARANE K. PO BOX 156 SUMTERVILLE, FL PHONE: (000) 000-0000 ZIP: 33585-	4.00	23-20-22	DOMESTIC	002034	30		50
377491.01	007604	GEORGE ALTMAN P.O. BOX 88 WEBSTER, FL PHONE: (904) 793-3869 ZIP: 33597-	12.00	23-20-22	IRRIGATION	001034	80		382
409251.01	057183	MAXSON, DONALD A LOT 21 FOREST HILLS DRIVE SUMTERVILLE, FL PHONE: (000) 000-0000 ZIP: 34267-	2.00	23-20-22	DOMESTIC	002034	80		100
412311.01	059068	CHEVALIER, ROBERT M PO BOX 248 SUMTERVILLE, FL PHONE: (000) 000-0000 ZIP: 34267-	2.00	23-20-22	DOMESTIC	002034	42		85
420278.01	063317	AMDRON, RAYMOND BOX 174 SUMTERVILLE, FL PHONE: (000) 000-0000 ZIP: 34267-	4.00	23-20-22	DOMESTIC	002835	63		105

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WELL PERMITS ISSUED REPORT

COUNTY:	WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
1	427958.01	066340	PATRICK, JOHN W ROUTE 1 JAMWEY ROAD SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:33585-	2.00	23-20-22	DOMESTIC	002034	65			90
8	465980.01	121145	SUMTER CO BOARD COUNTY COMM 222 E MCCOLLAM AVENUE BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	4.00	23-20-22	IRRIGATION	002835	63			90
12	479971.01	139839	BENNETT, CAROL P O BOX 171 SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:33585-	2.00	23-20-22	DOMESTIC	002154	45			100
16	482509.01	141327	SALMINEN, OTTO LOT 6 HWY 301 SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:33585-	2.00	23-20-22	DOMESTIC	009064	42			55
20	486336.01	143480	DECOSTE, JOHN 543B SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:34267-	4.00	23-20-22	DOMESTIC	009053	70			100
24	487191.01	143875	TALLEY, KENNETH PO BOX 407 SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:33585-	4.00	23-20-22	DOMESTIC	007015	116			165
28	491159.01	145886	ANDRE, ELIOE P O BOX 264 SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:33585-	4.00	23-20-22	DOMESTIC	007015	95			96
32	504209.01	152751	ADAMS, L. NORMAN PO BOX 134 BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	4.00	23-20-22	DOMESTIC	007015	42			90
36	504961.01	153093	DUPONT, ARMANDO 543B SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP: -	4.00	23-20-22	DOMESTIC	007015	36			47
40	515530.01	164182	LORENE WATFORD SR 301 SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP: -	4.00	23-20-22	DOMESTIC	002835	61			120

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COUNTY: SUMTER ISSUE DATE RANGE: 01/01/70 THRU 05/18/92

WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY TELESCOPE DEPTH FROM	LINER TO FROM	WELL TO DEPTH
523266.01	171605	LISA 1 JANWAY RD BUSHNELL, FL PHONE: (904) 000-0000 ZIP: 33513-	4.00	23-20-22	DOMESTIC	009021			
524400.01	006690	SCOTT MANN P.O. BOX 136 SUMTERVILLE, FL PHONE: (904) 793-4043 ZIP: 33585-	4.00	23-20-22	DOMESTIC	002849			

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SELECTED PARAMETER DATA

PERMIT ISSUE DATE: 01/01/70 THRU 05/18/92

SECTION: 14 THRU 16 TOWNSHIP: 20 RANGE: 22

COUNTY: NONE SELECTED

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COUNTY: SUMTER		ISSUE DATE RANGE: 01/01/70 THRU 05/18/92								
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE_CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
311558.01	077436	L B MCLEOD NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	4.00	14-20-22	IRRIGATION	999998	98			170
328750.01	094614	DIXIE L & S NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	4.00	14-20-22	IRRIGATION	999998	44			140
337273.01	103104	NELSON, D NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	4.00	14-20-22	IRRIGATION	001172	117			212
340911.01	106673	HUNT, A NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	2.00	14-20-22	DOMESTIC	999998				
343200.01	109851	HISLER, E D NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	2.00	14-20-22	DOMESTIC	999998				
348569.01	011526	SAPORITO, CHAS E. PO BOX 942 LAKE PANSAFFKEE, FL PHONE: (000) 000-0000 ZIP: 33538-	4.00	14-20-22	DOMESTIC	001116	42			60
398697.01	050313	MCLEOD, LUCAS B PO BOX 274 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP: 33538-	10.00	14-20-22	IRRIGATION	001116				200
410723.01	009240	ARNOLD, MARK PO BOX 97 SUMTERVILLE, FL PHONE: (000) 000-0000 ZIP: 32785-	10.00	14-20-22	IRRIGATION	002835	75			250
471636.01	135267	WALKER, JO PO BOX 112 BUSHNELL, FL PHONE: (000) 000-0000 ZIP: 33513-	2.00	14-20-22	DOMESTIC	002161	28			54
504215.01	152757	MOORE, JOHN PO BOX 81 SUMTERVILLE, FL PHONE: (000) 000-0000 ZIP: 33585-	3.00	14-20-22	DOMESTIC	002835	51			74

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COUNTY: SUMTER ISSUE DATE RANGE: 01/01/70 THRU 05/18/92

WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM TO	LINER FROM TO	WELL TO DEPTH
505804.01	138177	NORMAN PO BOX 134 BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	4.00	14-20-22	DOMESTIC	007015	54			80
514875.01	163636	CECIL PO BOX 117 SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:33585-	4.00	14-20-22	DOMESTIC	002835	105			150
513702.01	163636	CECIL PO BOX 117 SUMTERVILLE, FL PHONE:(000) 000-0000 ZIP:33585-	4.00	14-20-22	DOMESTIC	002835	54			105
310228.01	076107	G ALTMAN NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	6.00	15-20-22	IRRIGATION	999998	75			175
316953.01	082829	F CLARK NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	3.00	15-20-22	DOMESTIC	999998	90			90
322888.01	088757	DUTCH WOODA NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	6.00	15-20-22	IRRIGATION	001116	25			100
325934.01	091800	B W DAVIS NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	3.00	15-20-22	DOMESTIC	001116	76			86
336021.01	101856	MILLS, W NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	4.00	15-20-22	DOMESTIC	001340	84			130
354470.01	016012	GILL, LOUIE J. RT 2 BOX 213 LITHIA, FL PHONE:(000) 000-0000 ZIP:33547-	4.00	15-20-22	DOMESTIC	001160	63			190
354573.01	016095	SLOAN CONSTRUCTION CO, INC. PO BOX 811 LK PANASOFFKEE, FL PHONE:(813) 773-2440 ZIP:33538-	2.00	15-20-22	PUBLIC SUPPLY	001077	21			63

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COUNTY: SUMTER ISSUE DATE RANGE: 01/01/70 THRU 05/18/92

WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-I-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO	WELL TO DEPTH
362093.01	021681	REED, CHARLIE LEE PO BOX 657 DADE CITY, FL PHONE: (800) 000-0000 ZIP: 33525-	4.00	15-20-22	DOMESTIC	001071	47			87
384633.01	039906	BELTZ, RUSSELL C. PO BOX 1072 LAKE PANASOFFKEE, FL PHONE: (800) 000-0000 ZIP: 33538-	2.00	15-20-22	DOMESTIC	002206	38			48
389956.01	043295	CHANDLER, VIRGIL RT 2 BOX 68 LAKE PANASOFFKEE, FL PHONE: (800) 000-0000 ZIP: 33538-	2.00	15-20-22	DOMESTIC	002034	50			75
390340.01	160490	SOUTHWEST FL WTR MGT DISTRICT 2379 BROAD STREET BROOKSVILLE, FL PHONE: (904) 796-7211 ZIP: 34609-6899	2.00	15-20-22	OBSERVATION OR MONIT	001979				
390341.01	160490	SOUTHWEST FL WTR MGT DISTRICT 2379 BROAD STREET BROOKSVILLE, FL PHONE: (904) 796-7211 ZIP: 34609-6899	3.00	15-20-22	OBSERVATION OR MONIT	001979				
397607.01	049440	SIMON, JIMMIE P PO BOX 1613 LAKE PANASOFFKEE, FL PHONE: (800) 000-0000 ZIP: 33538-	4.00	15-20-22	DOMESTIC	001116	40			50
402886.01	160490	SOUTHWEST FL WTR MGT DISTRICT 2379 BROAD STREET BROOKSVILLE, FL PHONE: (904) 796-7211 ZIP: 34609-6899	3.00	15-20-22	OBSERVATION OR MONIT	001979	139			145
402887.01	160490	SOUTHWEST FL WTR MGT DISTRICT 2379 BROAD STREET BROOKSVILLE, FL PHONE: (904) 796-7211 ZIP: 34609-6899	2.00	15-20-22	OBSERVATION OR MONIT	001979	20			40
407446.01	056042	SPRINGSTEAD & ASSOCIATES PO BOX 448 LEESBURG, FL PHONE: (800) 000-0000 ZIP: 32749-	2.00	15-20-22	OBSERVATION OR MONIT	001150	32			32
407447.01	056042	SPRINGSTEAD & ASSOCIATES PO BOX 448 LEESBURG, FL PHONE: (800) 000-0000 ZIP: 32749-	2.00	15-20-22	OBSERVATION OR MONIT	001150	37			37

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COUNTY: SUMTER		ISSUE DATE RANGE: 01/01/70 THRU 05/18/92								
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-3	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
407448.01	056042	SPRINGSTEAD & ASSOCIATES PO BOX 448 LEESBURG, FL PHONE:(000) 000-0000 ZIP:32749-	2.00	15-20-22	OBSERVATION OR MONIT	001150	32			32
407449.01	056042	SPRINGSTEAD & ASSOCIATES PO BOX 448 LEESBURG, FL PHONE:(000) 000-0000 ZIP:32749-	2.00	15-20-22	OBSERVATION OR MONIT	001150	37			37
407450.01	056042	SPRINGSTEAD & ASSOCIATES PO BOX 448 LEESBURG, FL PHONE:(000) 000-0000 ZIP:32749-	2.00	15-20-22	OBSERVATION OR MONIT	001150	37			37
407451.01	056042	SPRINGSTEAD & ASSOCIATES PO BOX 448 LEESBURG, FL PHONE:(000) 000-0000 ZIP:32749-	4.00	15-20-22	TEST WELL/PIEZOMETER	001150	149			175
430950.01	067633	DUGGAN, JEANNE O. 431 A LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	15-20-22	IRRIGATION	002835	42			53
448492.01	119746	MARSH, BARBARA RT 1 BOX 80 LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	15-20-22	DOMESTIC	002835	63			80
450271.01	121145	SUMTER CO BOARD COUNTY COMM 222 E MCCOLLAM AVENUE BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	4.00	15-20-22	INDUSTRIAL	002835	68			90
479592.01	121145	SUMTER CO BOARD COUNTY COMM 222 E MCCOLLAM AVENUE BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	2.00	15-20-22	PLUGGED OR ABANDONED	007039				
479593.01	121145	SUMTER CO BOARD COUNTY COMM 222 E MCCOLLAM AVENUE BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	2.00	15-20-22	OBSERVATION OR MONIT	007039	51			51
479594.01	121145	SUMTER CO BOARD COUNTY COMM 222 E MCCOLLAM AVENUE BUSHNELL, FL PHONE:(000) 000-0000 ZIP:33513-	2.00	15-20-22	OBSERVATION OR MONIT	007039	53			53

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COUNTY: SUMTER		ISSUE DATE RANGE: 01/01/70 THRU 05/18/92								
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
496261.01	009995	GREAT SOUTHERN WOOD OF FLA INC. P O BOX 759 BUSHNELL, FL PHONE: (000) 000-0000 ZIP:33513-	4.00	15-20-22	PUBLIC SUPPLY	001150	79			149
496262.01	009995	GREAT SOUTHERN WOOD OF FLA INC. P O BOX 759 BUSHNELL, FL PHONE: (000) 000-0000 ZIP:33513-	6.00	15-20-22	INDUSTRIAL	001150	89			295
513891.01	006627	CAMP OIL COMPANY P.O. BOX 2549 ROME, GA PHONE: (000) 000-0000 ZIP:30164-2549	4.00	15-20-22	PUBLIC SUPPLY	001150	93			230
516410.01	006627	CAMP OIL COMPANY P.O. BOX 2549 ROME, GA PHONE: (000) 000-0000 ZIP:30164-2549	2.00	15-20-22	OBSERVATION OR MONIT 007077		2			19
516410.02	006627	CAMP OIL COMPANY P.O. BOX 2549 ROME, GA PHONE: (000) 000-0000 ZIP:30164-2549	2.00	15-20-22	OBSERVATION OR MONIT 007077		2			18
519343.01	167710	CAMP OIL COMPANY, INC POST OFFICE BOX 2549 ROME, GA PHONE: (000) 000-0000 ZIP:30164-	2.00	15-20-22	OBSERVATION OR MONIT 009028		1			12
519387.01	006627	CAMP OIL COMPANY P.O. BOX 2549 ROME, GA PHONE: (000) 000-0000 ZIP:30164-2549	2.00	15-20-22	OBSERVATION OR MONIT 009028		22			34
519516.01	006627	CAMP OIL COMPANY P.O. BOX 2549 ROME, GA PHONE: (000) 000-0000 ZIP:30164-2549	2.00	15-20-22	PLUGGED OR ABANDONED 009028					
332617.01	098456	B SWENDALL NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	3.00	16-20-22	DOMESTIC	001116	42			80
332618.01	098457	B SWINDALL NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	3.00	16-20-22	DOMESTIC	001116	42			90

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WELL PERMITS ISSUED REPORT

COUNTY: SUMTER ISSUE DATE RANGE: 01/01/70 THRU 05/18/92

WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
332619.01	098458	B SWINDALL NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	3.00	16-20-22	DOMESTIC	001116	50			100
332620.01	098459	B SWINDALL NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	3.00	16-20-22	DOMESTIC	001116	42			80
332621.01	098460	B SWINDALL NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	3.00	16-20-22	DOMESTIC	001116	42			100
332731.01	098570	M ARNOLD NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	8.00	16-20-22	IRRIGATION	001366	68			175
335415.01	101251	LANCASTER M NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	12.00	16-20-22	IRRIGATION	001858	203			423
335416.01	101252	LANCASTER M NO ADDRESS NO CITY, FL PHONE:(000) 000-0000 ZIP: -	12.00	16-20-22	IRRIGATION	001858	42			100
342855.01	007811	ELSIE B. WYSONG P.O. BOX 367 LAKE PANASOFFKEE, FL PHONE:(904) 793-4625 ZIP:33538-	6.00	16-20-22	IRRIGATION	001155	84			100
372498.01	029534	AVANT, WILLIE J. LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	16-20-22	IRRIGATION	001172				
372960.01	029915	AVANT, WILLIE COUNTY RD 489-A LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	16-20-22	IRRIGATION	002161				
383739.01	039221	FULLER, C. COUNTY RD 482 SOUTH LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	2.00	16-20-22	DOMESTIC	002034	55			105

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COUNTY:	SUMTER	ISSUE DATE RANGE:	01/01/70 THRU 05/18/92							
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
396203.01	047889	HART, CLAUDE E PO BOX 1337 LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	2.00	16-20-22	DOMESTIC	002034	40			60
415966.01	061385	FOX, EUGENE MR PO BOX 1155 LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	16-20-22	PUBLIC SUPPLY	002034	50			110
416324.01	061589	SMOAK, KATHY RT 1 BOX 64A PANASOFFLEE, FL PHONE:(000) 000-0000 ZIP:32785-	2.00	16-20-22	DOMESTIC	002034	42			60
440550.01	115041	MOWERS, JAMES E BOX 242 LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	2.00	16-20-22	DOMESTIC	002034	42			110
507847.01	154603	GREGORY, WILLIAM HWY 470 LAKE PANA, FL PHONE:(000) 000-0000 ZIP: -	2.00	16-20-22	PLUGGED OR ABANDONED	002835	68			80

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SELECTED PARAMETER DATA

PERMIT ISSUE DATE: 01/01/70 THRU 05/18/92
SECTION: 9 THRU 11 TOWNSHIP: 20 RANGE: 22
COUNTY: NONE SELECTED

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WELL PERMITS ISSUED REPORT

COUNTY:	SUMTER	ISSUE DATE RANGE:	01/01/70 THRU 05/18/92										
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH			
312195.01	078073	W K SANDERS NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	4.00	09-20-22	PUBLIC SUPPLY	999998	84			100			
325218.01	091084	M BURKETT NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	4.00	09-20-22	DOMESTIC	999998	40			63			
329749.01	095611	G SPENCE NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	4.00	09-20-22	DOMESTIC	001116	57			83			
331556.01	097410	ED SHABOO NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	3.00	09-20-22	DOMESTIC	001526	33			58			
334859.01	100696	DIXON C R NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	4.00	09-20-22	DOMESTIC	001116	47			51			
341507.01	107239	WYSONG, R NO ADDRESS NO CITY, FL PHONE: (000) 000-0000 ZIP: -	6.00	09-20-22	IRRIGATION	001792							
355135.01	016512	CHUCK JOHNSON BUILDERS INC. PO BOX 1049 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP: 33533-	2.00	09-20-22	DOMESTIC	001077	50			56			
365024.01	023952	HOOTEN JR., FREDDIE F. PO BOX 57 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP: 33538-	2.00	09-20-22	DOMESTIC	001172	32			65			
384631.01	039904	LEE, ROBERT V. RT 2, BOX 428-A WEBSTER, FL PHONE: (000) 000-0000 ZIP: 33597-	4.00	09-20-22	IRRIGATION	002206	75			148			
398605.01	050092	MOFFITT, DUANE PO BOX 385 BUSHNELL, FL PHONE: (000) 000-0000 ZIP: 33513-	4.00	09-20-22	DOMESTIC	002206	42			64			

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WELL PERMITS ISSUED REPORT

COUNTY: SUMTER		ISSUE DATE RANGE: 01/01/70 THRU 05/18/92								
WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
401993.01	052329	BRANTLEY, G B PO BOX 654 LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	09-20-22	DOMESTIC	002206	49			63
408725.01	056870	LK PANASOFFKEE UN METHODIST CH PO BOX 156 LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	09-20-22	PUBLIC SUPPLY	002034	28			90
412693.01	056870	LK PANASOFFKEE UN METHODIST CH PO BOX 156 LAKE PANASOFFKEE, FL PHONE:(000) 000-0000 ZIP:33538-	4.00	09-20-22	IRRIGATION	002034	35			80
434368.01	069020	PAYLESS OIL PO BOX 151529 TAMPA, FL PHONE:(000) 000-0000 ZIP:33684-1529	2.00	09-20-22	OBSERVATION OR MONIT	002858				
434369.01	069020	PAYLESS OIL PO BOX 151529 TAMPA, FL PHONE:(000) 000-0000 ZIP:33684-1529	2.00	09-20-22	OBSERVATION OR MONIT	002858				
434370.01	069020	PAYLESS OIL PO BOX 151529 TAMPA, FL PHONE:(000) 000-0000 ZIP:33684-1529	2.00	09-20-22	OBSERVATION OR MONIT	002858				
434371.01	069020	PAYLESS OIL PO BOX 151529 TAMPA, FL PHONE:(000) 000-0000 ZIP:33684-1529	2.00	09-20-22	OBSERVATION OR MONIT	002858				
436494.01	008326	CITY OF BUSHNELL P.O. BOX 115 BUSHNELL, FL PHONE:(904) 793-2591 ZIP:33513-	2.00	09-20-22	OBSERVATION OR MONIT	001704	2			9
436495.01	008326	CITY OF BUSHNELL P.O. BOX 115 BUSHNELL, FL PHONE:(904) 793-2591 ZIP:33513-	2.00	09-20-22	OBSERVATION OR MONIT	001704	2			9
436496.01	008326	CITY OF BUSHNELL P.O. BOX 115 BUSHNELL, FL PHONE:(904) 793-2591 ZIP:33513-	2.00	09-20-22	OBSERVATION OR MONIT	001704	2			9

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WELL CONSTRUCTION PERMITTING

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WELL PERMITS ISSUED REPORT

COUNTY: SUMTER ISSUE DATE RANGE: 01/01/70 THRU 05/18/92

WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM TO FROM	LINER TO FROM	WELL TO DEPTH
436497.01	003326	CITY OF BUSHNELL P.O. BOX 115 BUSHNELL, FL PHONE: (904) 793-2591 ZIP:33513-	2.00	09-20-22	OBSERVATION OR MONIT	001704	2			9
465086.01	131831	DUNN, ABNER 410 JUMPER DR BUSHNELL, FL PHONE: (000) 000-0000 ZIP:33513-	2.00	09-20-22	DOMESTIC	002034	42			80
466060.01	132293	THOMAS, WILLIAM SR LOT 44 E 45 PANASOFFKEE RETREAT LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP:33538-	4.00	09-20-22	IRRIGATION	002849	35			45
501387.01	151322	BELL, HOWARD LOT 24 CR 487 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP:33538-	4.00	09-20-22	DOMESTIC	009064	60			68
502866.01	152050	HUSSON, A. CHRISTINE RT 1 BOX 127 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP:33538-	2.00	09-20-22	DOMESTIC	009064	30			35
519182.01	167445	JAMES MILLS PO BOX 1006 LAKE PANASOFFKEE, FL PHONE: (904) 793-9390 ZIP:33538-	4.00	09-20-22	DOMESTIC	007015	42			52
425380.01	062060	NORRIS, ROBERT PO BOX 187 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP:32794-	2.00	10-20-22	DOMESTIC	002034	60			90
431320.01	067794	CALVERT, WILLIAM S. RT 1, BOX 84 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP:33538-	2.00	10-20-22	DOMESTIC	002206				
436337.01	062060	NORRIS, ROBERT PO BOX 187 LAKE PANASOFFKEE, FL PHONE: (000) 000-0000 ZIP:32794-	4.00	10-20-22	DOMESTIC	002034	40			70
436752.01	064919	BOARD OF CTY COMMISSIONERS PO BOX 210 BARTON, FL PHONE: (000) 000-0000 ZIP:33830-	2.00	10-20-22	OBSERVATION OR MONIT	001704	6			13

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
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WELL PERMITS ISSUED REPORT

COUNTY: SUMTER ISSUE DATE RANGE: 01/01/70 THRU 05/18/92

WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM TO	LINER FROM TO	WELL TO DEPTH
436753.01	064919	BOARD OF CTY COMMISSIONERS PO BOX 210 BARTOW, FL PHONE: (000) 000-0000 ZIP: 33830-	2.00	10-20-22	OBSERVATION OR MONIT	001704	6			13
436754.01	064919	BOARD OF CTY COMMISSIONERS PO BOX 210 BARTOW, FL PHONE: (000) 000-0000 ZIP: 33830-	2.00	10-20-22	OBSERVATION OR MONIT	001704	2			9
436755.01	064919	BOARD OF CTY COMMISSIONERS PO BOX 210 BARTOW, FL PHONE: (000) 000-0000 ZIP: 33830-	2.00	10-20-22	OBSERVATION OR MONIT	001704	2			9
438872.01	114239	WEAVER, KEN 129 W NOBLE BUSHNELL, FL PHONE: (000) 000-0000 ZIP: 33513-	2.00	10-20-22	DOMESTIC	002034	50			60
443303.01	114966	J & M PUMP 5125 RIO VISTA AVENUE TAMPA, FL PHONE: (000) 000-0000 ZIP: 33614-	2.00	10-20-22	OBSERVATION OR MONIT	002858	25			25
443304.01	114966	J & M PUMP 5125 RIO VISTA AVENUE TAMPA, FL PHONE: (000) 000-0000 ZIP: 33614-	2.00	10-20-22	OBSERVATION OR MONIT	002858	25			25
443305.01	114966	J & M PUMP 5125 RIO VISTA AVENUE TAMPA, FL PHONE: (000) 000-0000 ZIP: 33614-	2.00	10-20-22	OBSERVATION OR MONIT	002858	25			25
443306.01	114966	J & M PUMP 5125 RIO VISTA AVENUE TAMPA, FL PHONE: (000) 000-0000 ZIP: 33614-	2.00	10-20-22	OBSERVATION OR MONIT	002858	25			25
443307.01	114966	J & M PUMP 5125 RIO VISTA AVENUE TAMPA, FL PHONE: (000) 000-0000 ZIP: 33614-	2.00	10-20-22	OBSERVATION OR MONIT	002858	25			25
443308.01	114966	J & M PUMP 5125 RIO VISTA AVENUE TAMPA, FL PHONE: (000) 000-0000 ZIP: 33614-	2.00	10-20-22	OBSERVATION OR MONIT	002858	25			25

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WELL CONSTRUCTION PERMITTING

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WELL PERMITS ISSUED REPORT

COUNTY: SUMTER

ISSUE DATE RANGE: 01/01/70 THRU 05/18/92

WCP NUMBER	OWNER ID	OWNER INFORMATION	WELL DIAMETER	LOCATION S-T-R	USE CD DESCRIPTION	CONTRACTOR ID	PRIMARY DEPTH	TELESCOPE FROM	LINER TO FROM	WELL TO DEPTH
447215.01	057908	CIRCLE K CONVIENCE STORE PO BOX 918 MANGO, FL PHONE:(000) 000-0000 ZIP:34262-	2.00	10-20-22	OBSERVATION OR MONIT	001704	5			13
447216.01	057908	CIRCLE K CONVIENCE STORE PO BOX 918 MANGO, FL PHONE:(000) 000-0000 ZIP:34262-	2.00	10-20-22	OBSERVATION OR MONIT	001704	5			13
447217.01	057908	CIRCLE K CONVIENCE STORE PO BOX 918 MANGO, FL PHONE:(000) 000-0000 ZIP:34262-	2.00	10-20-22	OBSERVATION OR MONIT	001704	5			13
447218.01	057908	CIRCLE K CONVIENCE STORE PO BOX 918 MANGO, FL PHONE:(000) 000-0000 ZIP:34262-	2.00	10-20-22	OBSERVATION OR MONIT	001704	5			13
350507.01	013045	WOODS, CHARLES GEN DEL COLEMAN, FL PHONE:(000) 000-0000 ZIP:33521-	3.00	11-20-22	DOMESTIC	001116	84			90
498274.01	149570	CALLAWAY, LANCE HWY 301 COLEMAN, FL PHONE:(000) 000-0000 ZIP: -	4.00	11-20-22	DOMESTIC	002835	63			120

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SO60-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX J
ANALYTICAL DATA TABLES**

MAY 29, 1992

92-1100.00

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

CADMIUM ug/L MCL = 10ug/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	0	0	0	0		
2	0	0	0.014	0		
3	0	0	0	0		
4	41	0	5	0		
5	0	2	3	0		
6	3	4	9	0		
7	24	13	27	3		
8	16	7	19	0	12	13
9	11	4	8	10	17	8
10	23	12	19	1	25	37
11	10	10	2	3	13	1
12	11	7	8	5	6	9
13	30	80	60	0		10
14	1	3	0	1	5	1
15	2	4	0	0	6	0
16	6.5	6.5	6.5	5.5	13.5	15.5
17	5	7	8	2	5	6
18	6	1	5	3	10	110
19	6.09	0	1.07	0	0	4.48

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

CHEMICAL OXYGEN DEMAND (COD) mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	0	0	0	0		
2	75	45	105	190		
3	55	20	120	20		
4	350	40	180	0		
5	0	0	0	10		
6	0	0	0	0		
7	0	0	0	20		
8	0	0	0	0	0	0
9	0	0	5	0	0	0
10	12	0	2	11	0	0
11	10	12	15	20	0	0
12	29	0	0	15	0	0
13	0	0	0	0		0
14	10	0	1	2	0	0
15	0	0	0	0	1	0
16	0	2	0	1	0	1
17	14	25	12	16	10	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

CHLORIDE mg/L MCL = 250 mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	5	5	8	9		
2	1.5	1.5	0.5	10		
3	151	229	215	133		
4	650	605	385	590		
5	408	153	170	163		
6	10	5	20	12.5		
7	22.5	30	27.5	32.5		
8	25.5	19.25	15.75	20.5	27.5	23
9	45	10	12	18	20	16
10	28	26	8	13	14	16
11	15	14	14	18	18	23
12	15	12	12	18	15	14
13	8	10	8	15		14
14	11	11	12	19	15	17
15	6	11	10	14	10	12
16	4	8	6	9	14	38
17	7	7	4	10	8	10
18	9.5	10	12.5	16	13	13.5
19	14	11.5	12	19	18	16.5

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

CHROMIUM ug/L MCL = 50ug/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	0	0	0	0		
<i>ng/l</i> - 2	0.08	0.07	0.1	0.09		
3	110	40	360	110		
4	750	600	700	680		
5	70	50	50	50		
6	55	50	50	50		
7	400	500	520	480		
8	110	50	50	50	0	0
9	100	70	170	60	0	0
10	90	40	40	50	10	10
<i>ng/l</i> - 11	0.08	0.05	0.047	0.05	0.04	0.033
12	45	48	50	45	50	50
13	300	60	100	50		60
14	320	110	68	45	52	54
15	75	65	67	95	50	50
16	52	50	51	50	53	54
17	73	46	52	48	50	51
18	190	50	100	55	63	58
19	92	50	89	65	50	57

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

COLOR PTU MCL = 15 PTU

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1						
2	375	150	300	25		
3	425	100	350	50		
4	300	400	200	100		
5	325	125	75	25		
6	450	225	300	50		
7	100	200	50	50		
8	200	250	175	50	75	100
9	325	150	175	25	150	100
10	125	25	300	100	150	100
11	200	50	200	125	100	125
12	200	75	300	50	25	125
13	50	50	300	50		25
14	75	100	75	75	25	50
15	225	50	125	100	75	50
16	250	50	150	65	50	50
17	100	50	175	50	125	50
18	250	25	150	50	125	75
19	200	25	150	225	50	50

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

IRON mg/L MCL = 0.3 mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	3.41	1.61	7.85	16.8		
2	3	3	2.5	2.2		
3	0.42	2.25	0.44	6.5		
4	0.65	4.7	0.34	0.22		
5	0.18	0.29	0.03	0.1		
6	0.56	3	0.3	0.5		
7	0.44	1.19	0.18	0.78		
8	0.65	1	0.17	0.65	0.13	0.21
9	0.23	0.15	0.06	0.48	0.34	0.3
10	2.1	0.3	0.32	3.94	0.4	0.37
11	1.18	0.14	0.07	0.8	0.06	0.15
12	0.85	0.16	0.1	0.72	0.11	0.1
13	0.76	0.2	1.8	2.8		0.55
14	0.05	0.11	0.15	0.93	0.15	0.18
15	2	0.35	0.08	0.64	0.06	0.05
16	0.13	0.24	0.1	0.63	0.11	0.1
17	0.77	0.21	0.09	0.41	0.09	0.08
18	2.4	0.93	2.05	9.5	1.04	1.07
19	0.6	0.2	0.33	0.83	0.15	0.09

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

MANGANESE mg/L MCL = 0.05 mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	0.321	0.379	0.267	0.616		
2	0.03	0.14	0.075	0.07		
3	0.25	0.13	0.13	0.18		
4	0.09	0.17	0.04	0.04		
5	0.18	0.09	0.03	0.06		
6	0.18	0.11	0.02	0.09		
7	0.13	0.11	0.03	0.04		
8	0.24	0.1	0.025	0.095	0.005	0.01
9	0.16	0.07	0.03	0.07	0.02	0.02
10	0.08	0.03	0.02	0.08	0.01	0.02
11	0.12	0.06	0.02	0.03	0	0
12	0.04	0.18	0.02	0.07	0	0
13	0.07	0.2	0.08	0.17		0.02
14	0.02	0.09	0.19	0.13	0.02	0.02
15	0.03	0.13	0.025	0.135	0.015	0
16	0.07	0.1	0.03	0.135	0.02	0
17	0.03	0.22	0.085	0.15	0.02	0.005
18	0.03	0.15	0.1	0.23	0.03	0.03
19	0.028	0.07	0.048	0.08	0.15	0

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

NITRATE mg/L MCL = 10 mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	0.002	0.007	0.001	0		
2	6.2	0.68	0.78	0.5		
3	6.95	1.4	3.55	0.68		
4	13.5	0.9	0.28	0.16		
5	2.8	1.05	1.4	1		
6	22.5	28	8.1	3.1		
7	1.22	0.37	0.43	0.29		
8	2.7	0.75	0.62	0.75	9.6	4.9
9	6.8	1.75	2.35	1.95	10.7	10.1
10	5.4	1.8	2.8	2.1	10.4	10.2
11	0.82	2.5	0.37	0.36	2.25	1.75
12	2.1	17	0.51	5.8	0.37	3.4
13	5.4	16	1.4	1.15		5.4
14	2.2	3.4	0.9	0.5	4.9	4.9
15	2.4	3.8	0.4	0.4	3.1	0.4
16	2.6	0.5	1.4	1	1.1	2
17	4.4	0.6	0.6	0.2	5.8	5
18	3.4	0.4	0.8	8.1	6.7	0.5
19	2.6	3.8	0.8	0.8	4.9	4.9

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

pH pH UNITS Minimum pH 6.6 @ collection point

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	6.75	7.15	6.18	6.75		
2	9.97	8.52	9.1	10.8		
3	8.04	6.55	7.49	7.89		
4	7.5	6.5	7.2	6.8		
5	6.7	6.4	6.8	6.6		
6	8.1	7	7.7	7.7		
7	7.5	6.5	7	7.9		
8	7.7	6.9	7	8.1	7.2	7
9	7.3	6.6	7.13	7.6	7.3	6.83
10	7.23	6.12	6.94	6.88	6.93	6.64
11	6.25	5.3	5.8	6.79	6.13	6.07
12	7.5	7.27	7.47	6.05	7	6.59
13	7.85	6.9	7.14	7.15		7.58
14	8.1	7	7.15	7.24	7.2	7.43
15	6.8	6.45	6.75	7.8	6.65	6.45
16	6.15	6.15	6.7	6.8	6.65	6.45
17	7.02	7.12	6.62	6.9	7.32	7.57
18	7.82	6.54	7.26	7.98	7.94	7.82
19	7.99	6.77	7.81	8.05	8.22	7.75

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

SODIUM mg/L MCL = 160mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	2	4.7	7	4.7		
2	9.5	3.1	5.5	2.2		
3	105	14	11	10		
4	70	22	16	10.04		
5	19	2.4	3.7	5		
6	2.85	2.05	6	6.4		
7	3.8	3.5	5.4	6.8		
8	4.6	1.6	3.5	4.5	3.5	3.5
9	5	3.4	5.9	9.5	4.5	4.2
10	3.7	1.85	2.7	4.9	2.1	2.75
11	2.9	2.6	3.2	5.05	2.9	2.7
12	1.03	1.78	1.58	3.3	1.8	1.6
13	4.15	6.05	3.15	6.2		2.7
14	2	5.8	2.8	5.7	2.9	3.2
15	2.45	8.6	2.75	5.6	2.9	3.15
16	3.7	11.3	4.3	6.6	3.5	3.4
17	2.5	5.9	2.6	5.2	2.8	3.2
18	2.25	5	3.2	5.1	2.65	3.3
19	1.75	4.18	3.47	4.7	2.65	3.15

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

SPECIFIC CONDUCTANCE umhos

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	0.0221	0.0641	0.049	0.0513		
2	102	486	291	202		
3	110	672	412	266		
4	97	644	360	325		
5	94	363	256	267		
6	89	439	240	230		
7	102	568	298	288		
8	121	636	404	300	194	194
9	136	580	319	307	247	197
10	115	608	335	285	240	204
11	107	636	363	296	186	218
12	110	432	262	239	195	173
13	130	320	326	289		217
14	69	256	145	193	213	78
15	118	615	398	265	300	247
16	59	263	272	150	212	150
17	87	426	400	184	245	165
18	88	374	307	143	168	203
19	100	213	361	156	184	243

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

SULFATE mg/l MCL = 250 mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	1	0	1	22		
2	32	8	6	24		
3	13	1	0	110		
4	10	0	11	100		
5	3	13	5	91		
6	2	9	3	90		
7	5	1	1	65		
8	2	1	4	47	1	0
9	0	0	2	24	0	3
10	7	2	1	15	1	1
11	3	1	1	18	2	1
12	0	4	2	1	0	0
13	9	11	2	0		0
14	24	29	0	8	3	0
15	0	20	0	7	0	0
16	5	13	0	6	0	0
17	8	18	1	1	0	0
18	0	12.5	13	8	0	0
19	0	14	0	13	0	0

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

TOTAL DISSOLVED SOLIDS mg/L MCL = 500 mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1						
2	0.82	1.13	0.45	0.32		
3	740	392	464	288		
4	568	712	260	292		
5	204	272	400	324		
6	428	336	352	276		
7	312	468	288	232		
8	228	304	176	324	156	112
9	140	280	168	320	172	96
10	180	180	172	332	152	116
11	552	280	136	280	124	96
12	264	292	176	284	176	132
13	232	264	168	236		108
14	364	360	212	232	148	120
15	320	436	296	248	152	136
16	104	304	328	220	128	164
17	452	284	212	248	148	128
18	164	236	192	284	120	140
19	148	168	216	328	152	168

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

TEMPERATURE DEGREES CENTIGRADE.

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1						
2						
3						
4						
5						
6						
7	19.5	19.4	20	21.9		
8	26.5	26	28.3	24.8	25.6	24.7
9	25.3	27.5	28.5	26.3	24.7	27.3
10	24.3	22.7	24.5	21.3	20.9	21.2
11	24.3	23.2	25.3	23.1	23.2	23.4
12	25.9	25.2	26.5	25.2	26.5	24.6
13	25.8	25.1	25.7	24.8		24
14	24.9	24.1	25.2	24.1	23.4	23.6
15	23.6	22	25.9	21.6	22.7	21.3
16	26.6	24.9	27.8	25.3	25	24.8
17	24.8	24.1	25	24.9	23.4	23.7
18	21.9	20.8	21.8	22.3	20.9	20.2
19	22.6	21.9	23.2	22.5	22.8	22.5

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

TOTAL ORGANIC CARBON mg/L

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1						
2	14	8	0	3		
3	9	6	3	3		
4	15	42	39	9		
5	16	73	28	8		
6	82	105	53	3		
7	33	100	40	19		
8	35.5	238	86.5	67	56	51.2
9	14	123	39.5	27	21.5	16.5
10	16	157	49	36	48	22
11	15	34	13	11	37	39
12	13	26	10	8	33	33
13	11	51	20	18		15
14	20	68	30	26	47	21
15	7	43	12	9	27	12
16	0	2	1	5	102	87
17	0	39	39	16	18	13
18	13	52	38	18	18	24
19	52.3	39.6	17.3	28.1	7.4	12.01

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

TURBIDITY NTU MCL = 1 NTU

PERIOD	MW1	MW2	MW4	MW5	MW6A	MW7
1	29	450	59	57		
2	47	28	12	29		
3	7000	650	1800	36		
4	8300	750	5000	54		
5	710	360	940	22		
6	1600	900	1700	21		
7	3400	1500	2400	41		
8	2700	1200	2850	100	12000	4300
9	1600	150	1200	24	6300	1600
10	1400	31	520	38	700	1600
11	1800	41	430	270	1250	1400
12	2400	22	390	16	1900	1100
13	2600	140	1400	24		1700
14	2300	2600	70	55	1900	1000
15	550	17	220	92	1200	2200
16	270	34	140	41	2300	2700
17	660	170	180	5	570	350
18	750	22	430	19	770	520
19	2700	19	90	180	2700	900

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SO60-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

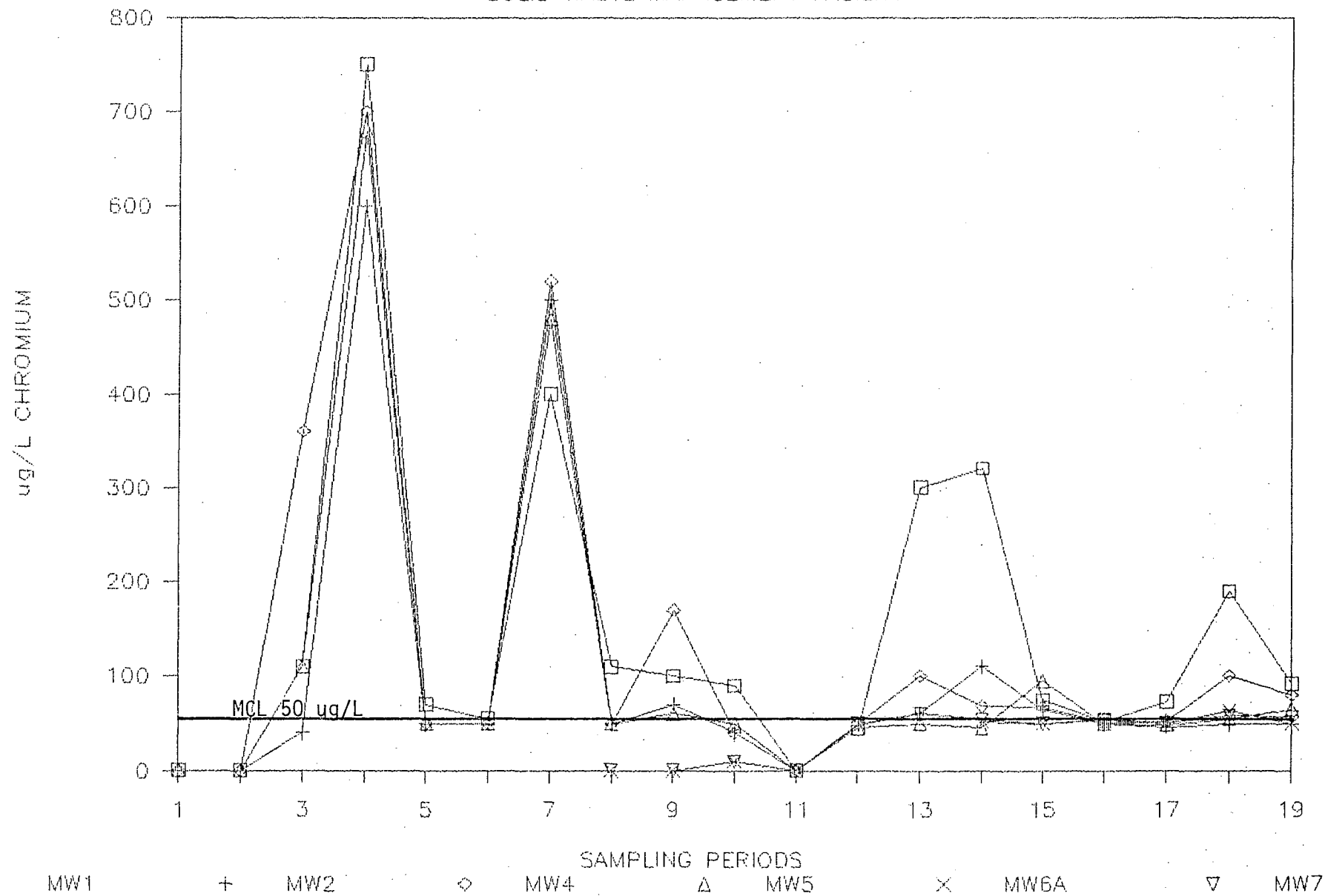
**APPENDIX K
ANALYTICAL DATA GRAPHS**

MAY 29, 1992

92-1100.00

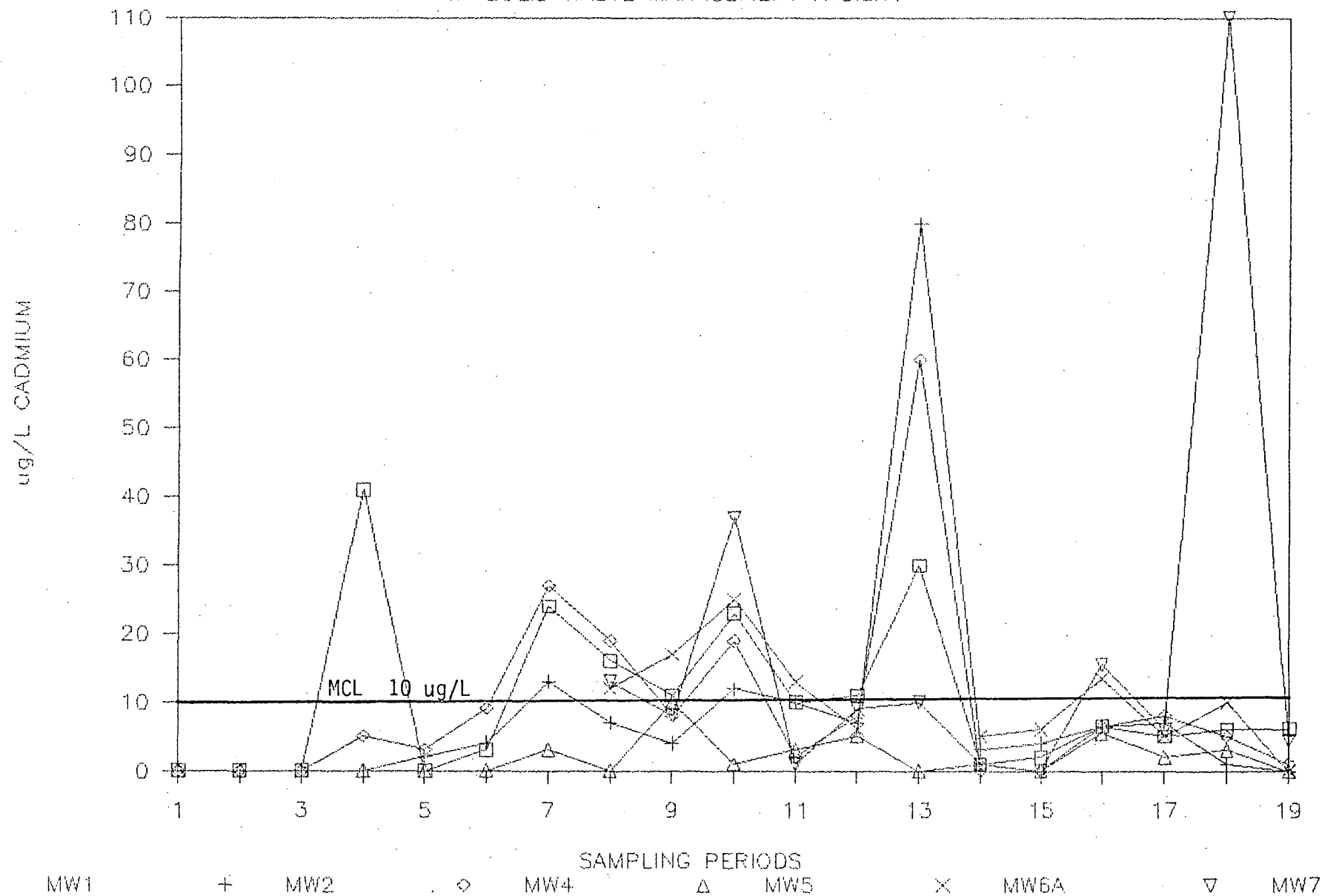
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



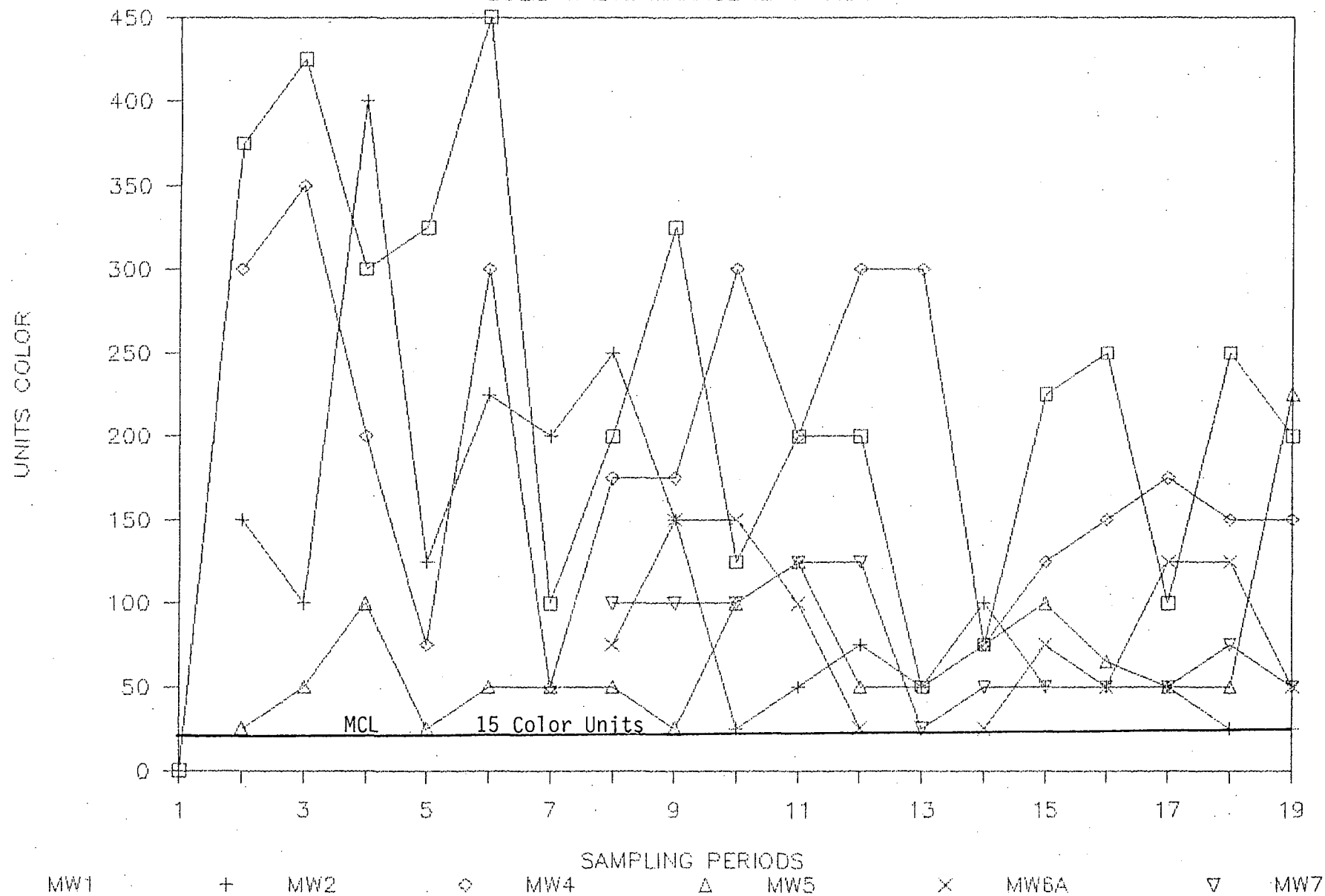
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



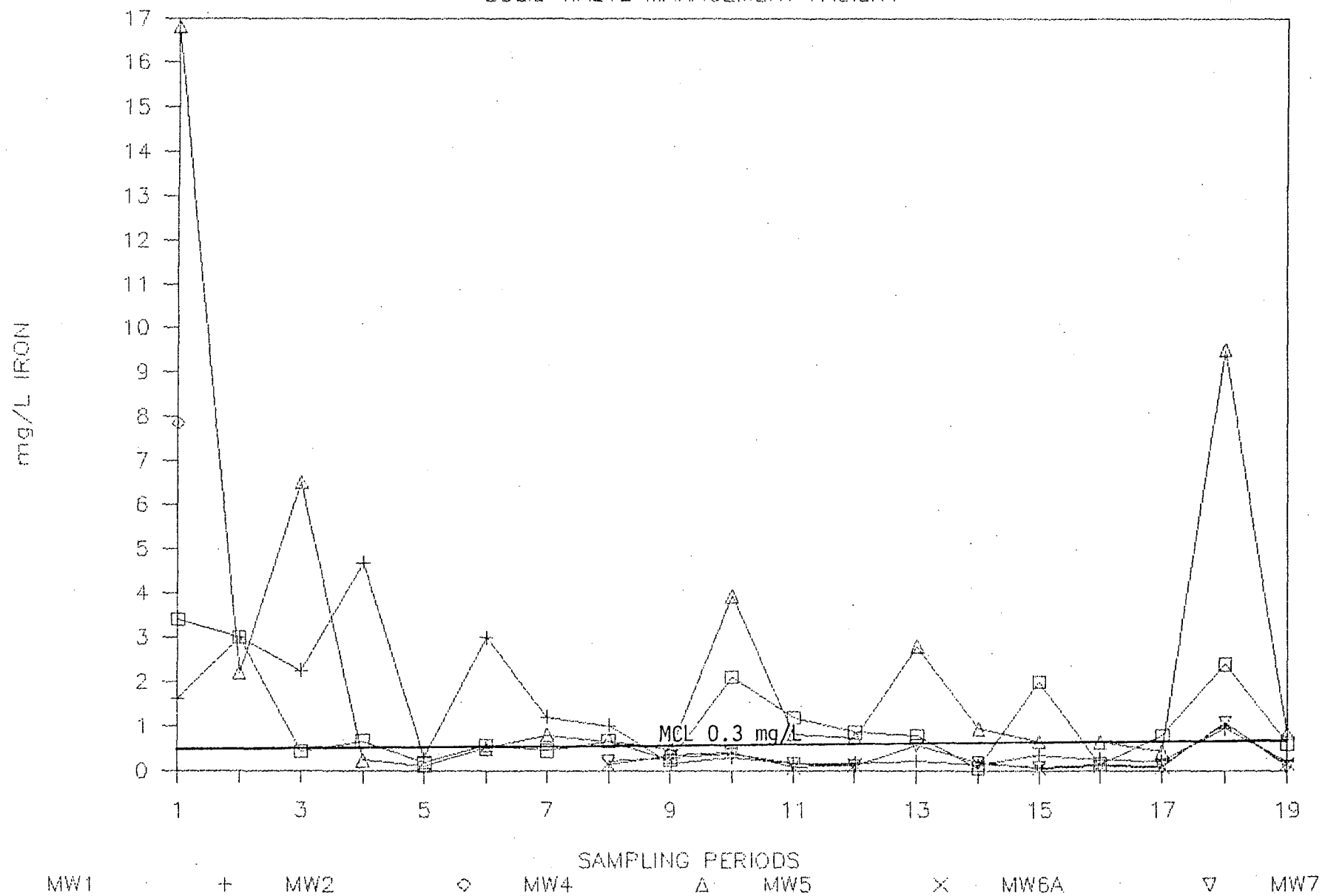
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



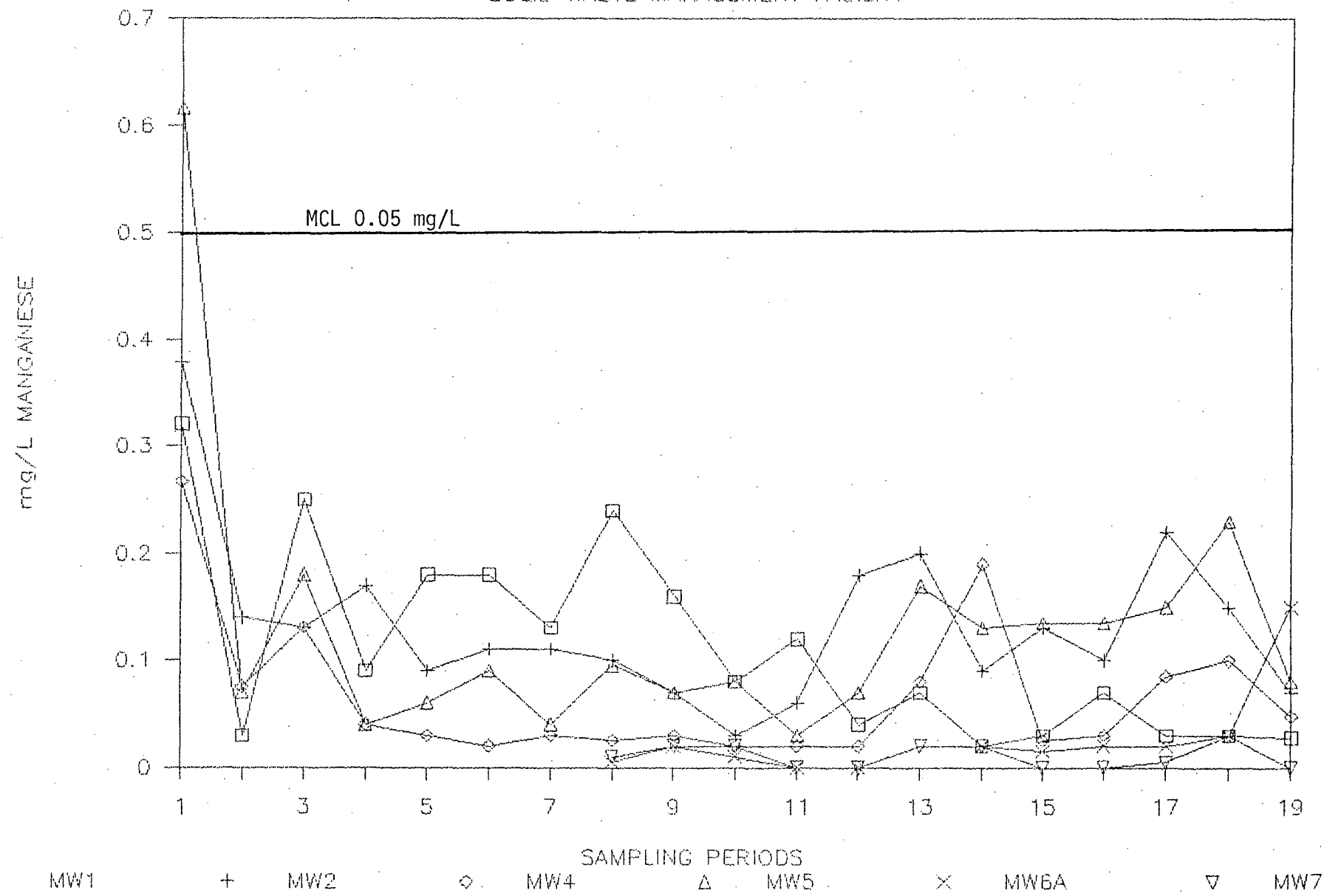
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



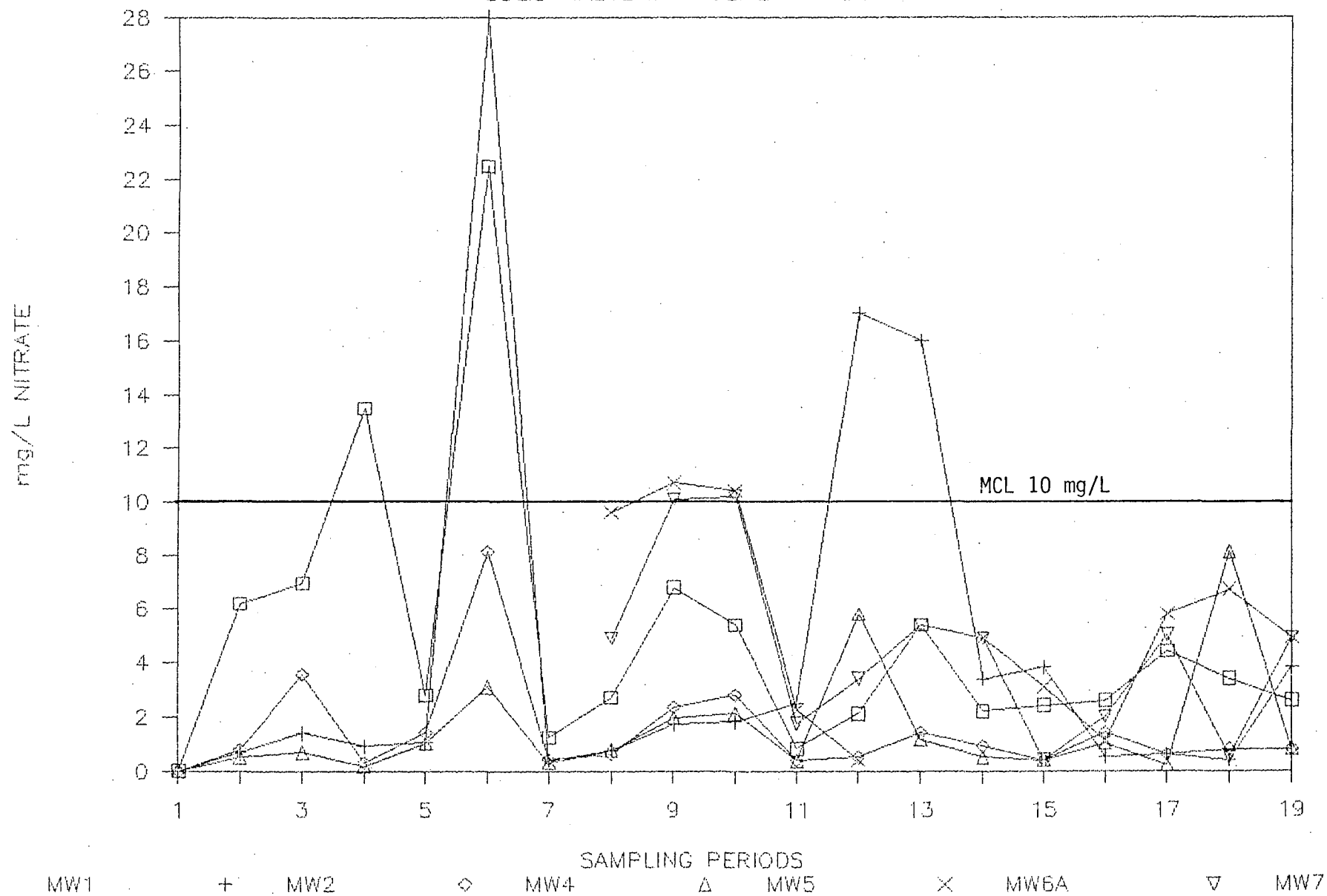
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



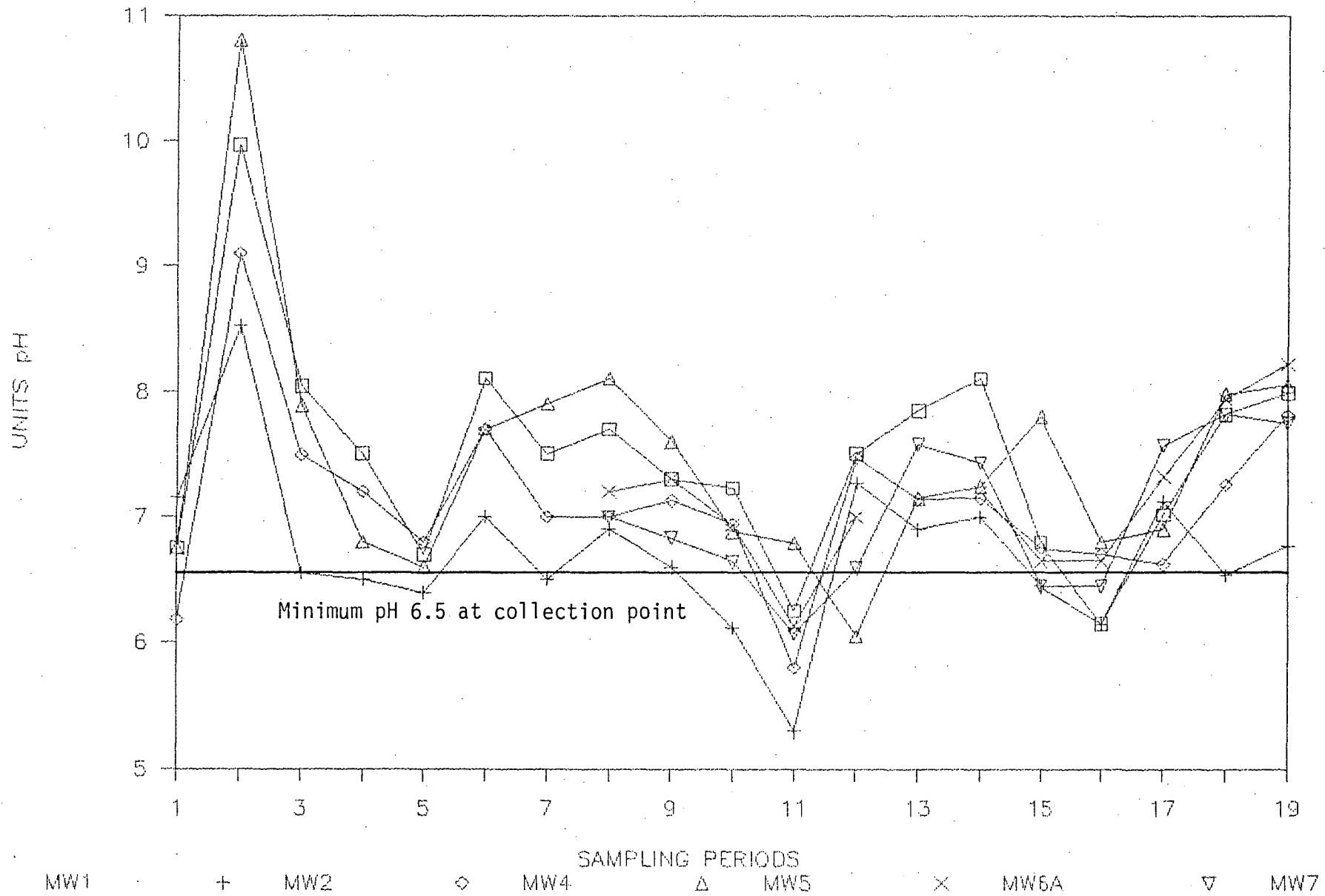
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



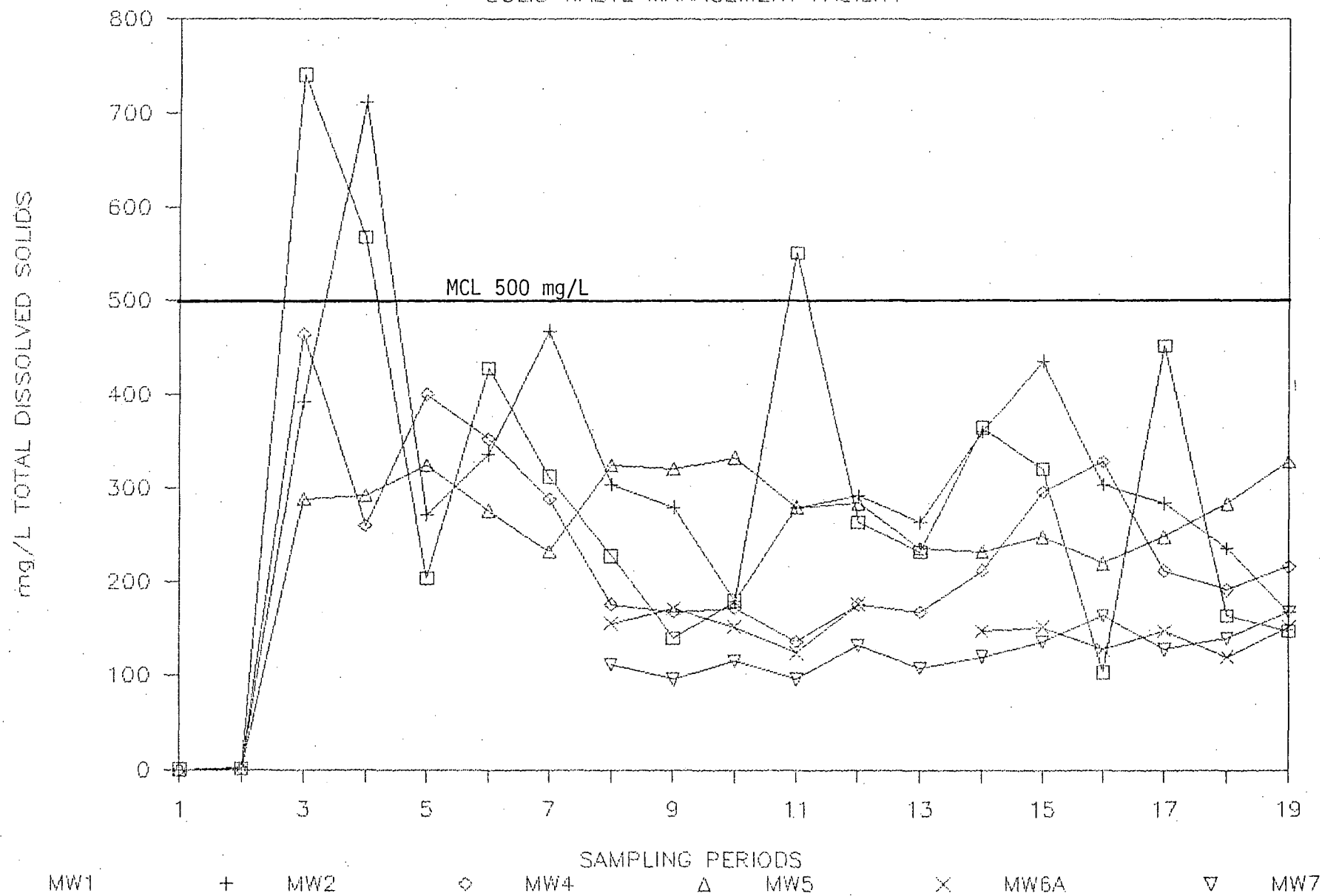
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



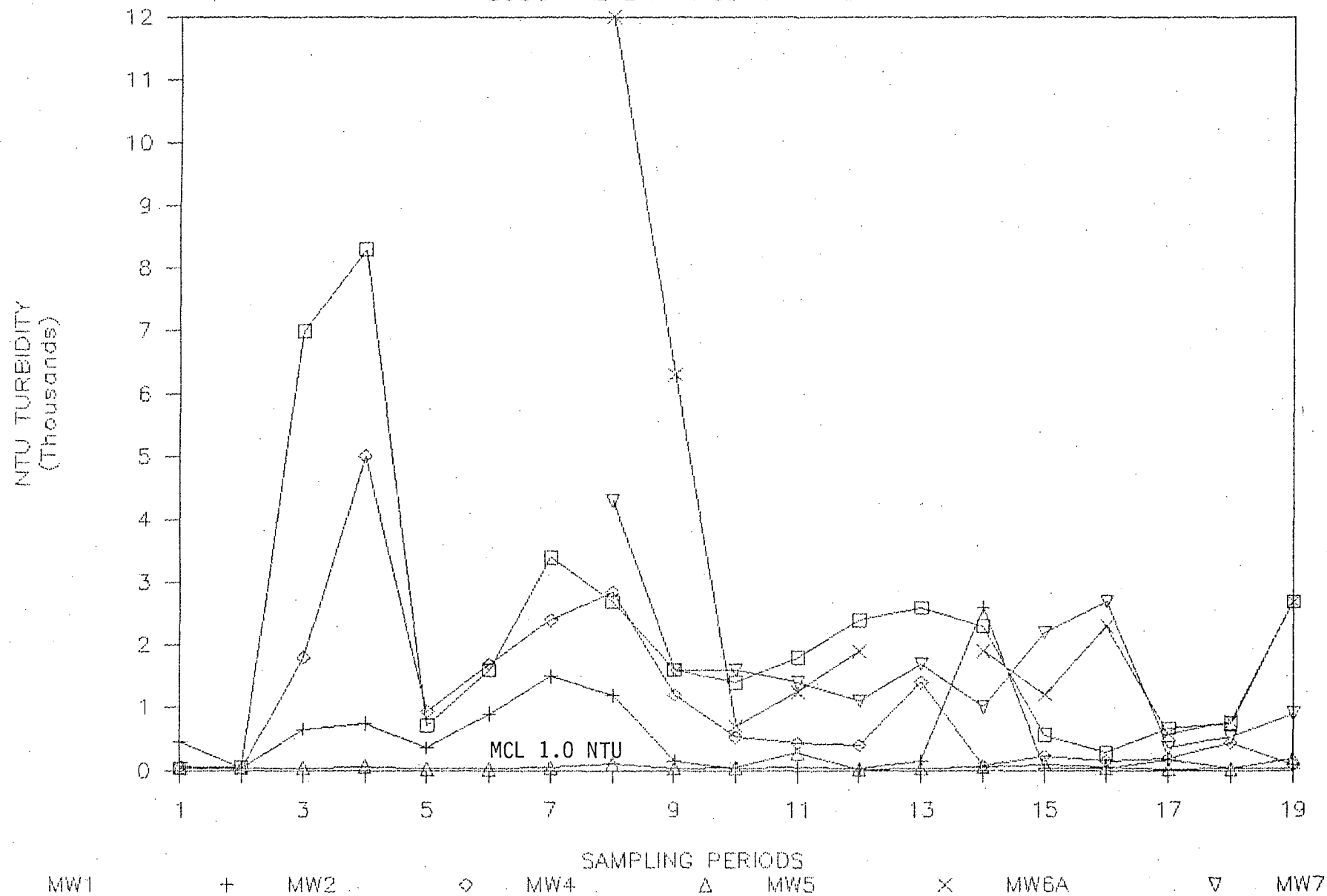
SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



SUMTER COUNTY

SOLID WASTE MANAGEMENT FACILITY



**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
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SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT
PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX L
FIRE SAFETY SURVEY**

MAY 29, 1992

92-1100.00

A FIRE SAFETY SURVEY WAS REQUESTED AS PER THE LETTER DATED MARCH 25, 1992. THE SURVEY WAS CONDUCTED. THE REPORT IS PENDING AT THIS TIME AND SHALL BE FORWARDED TO YOU UPON RECEIPT.

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
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PREPARED FOR**

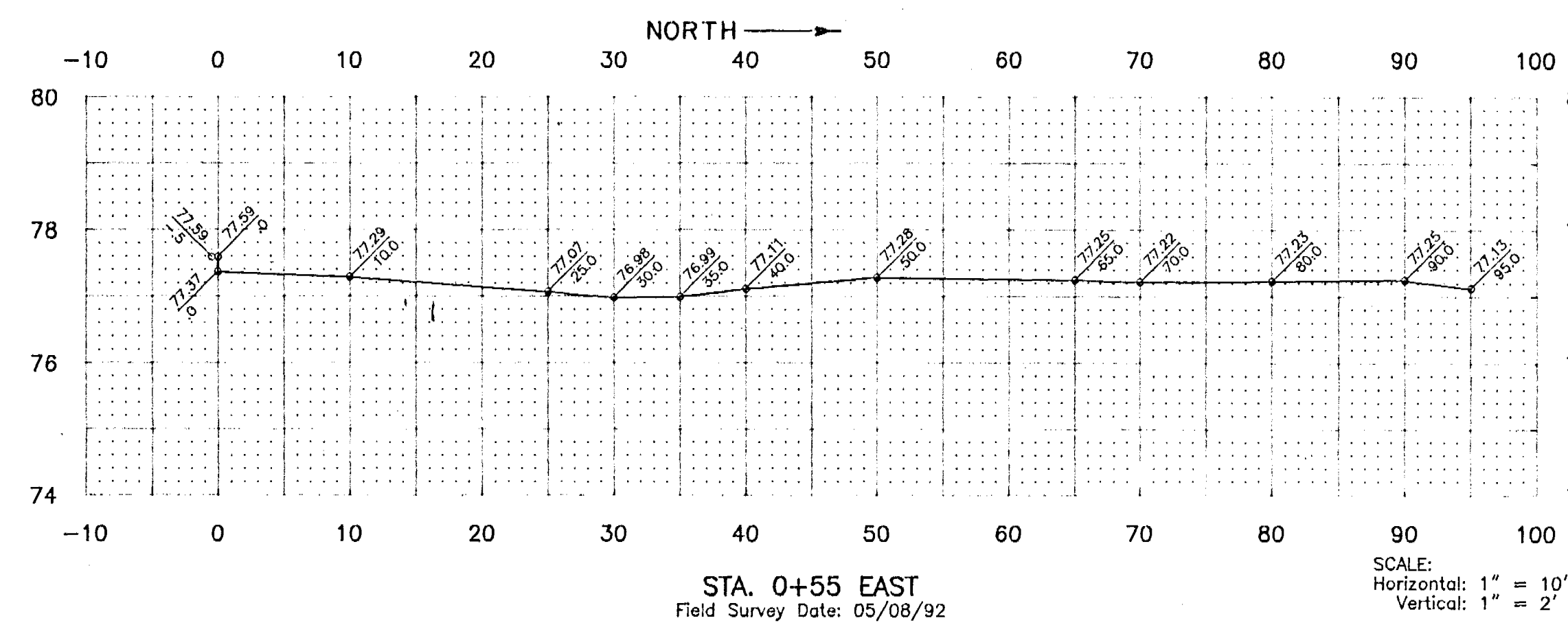
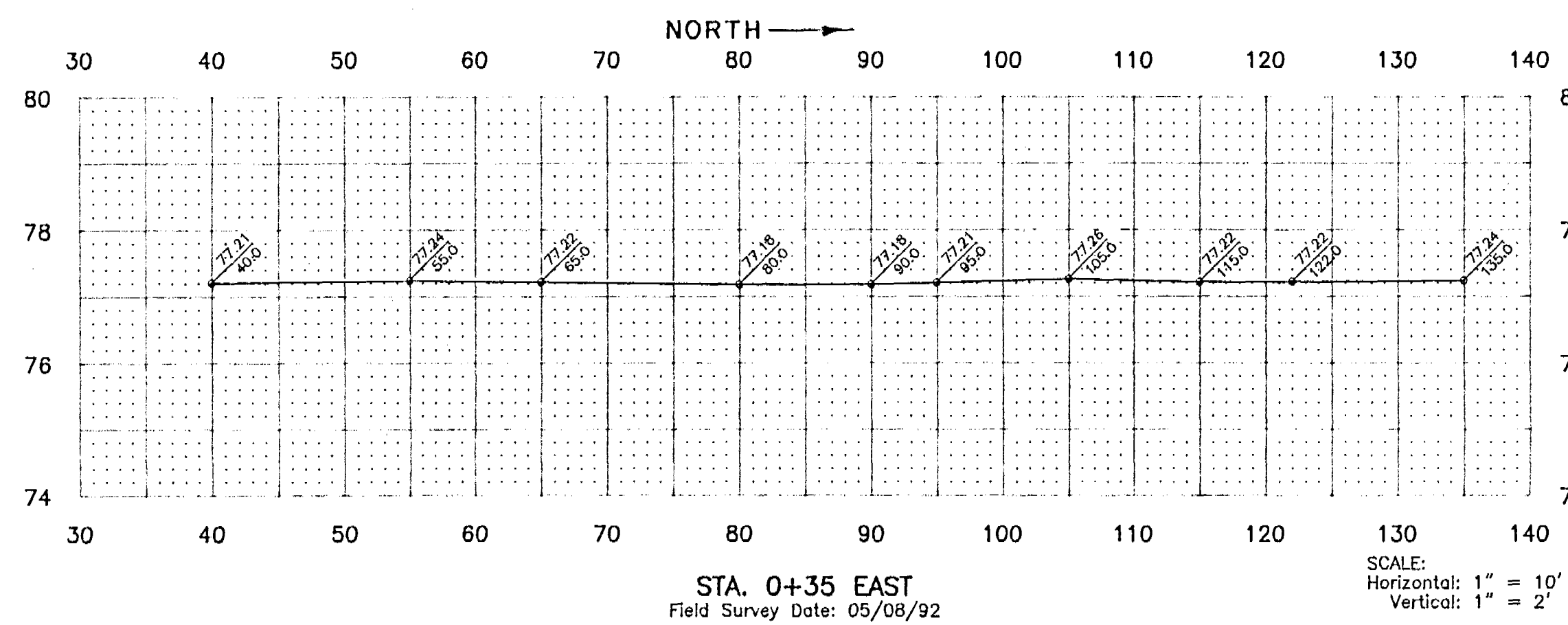
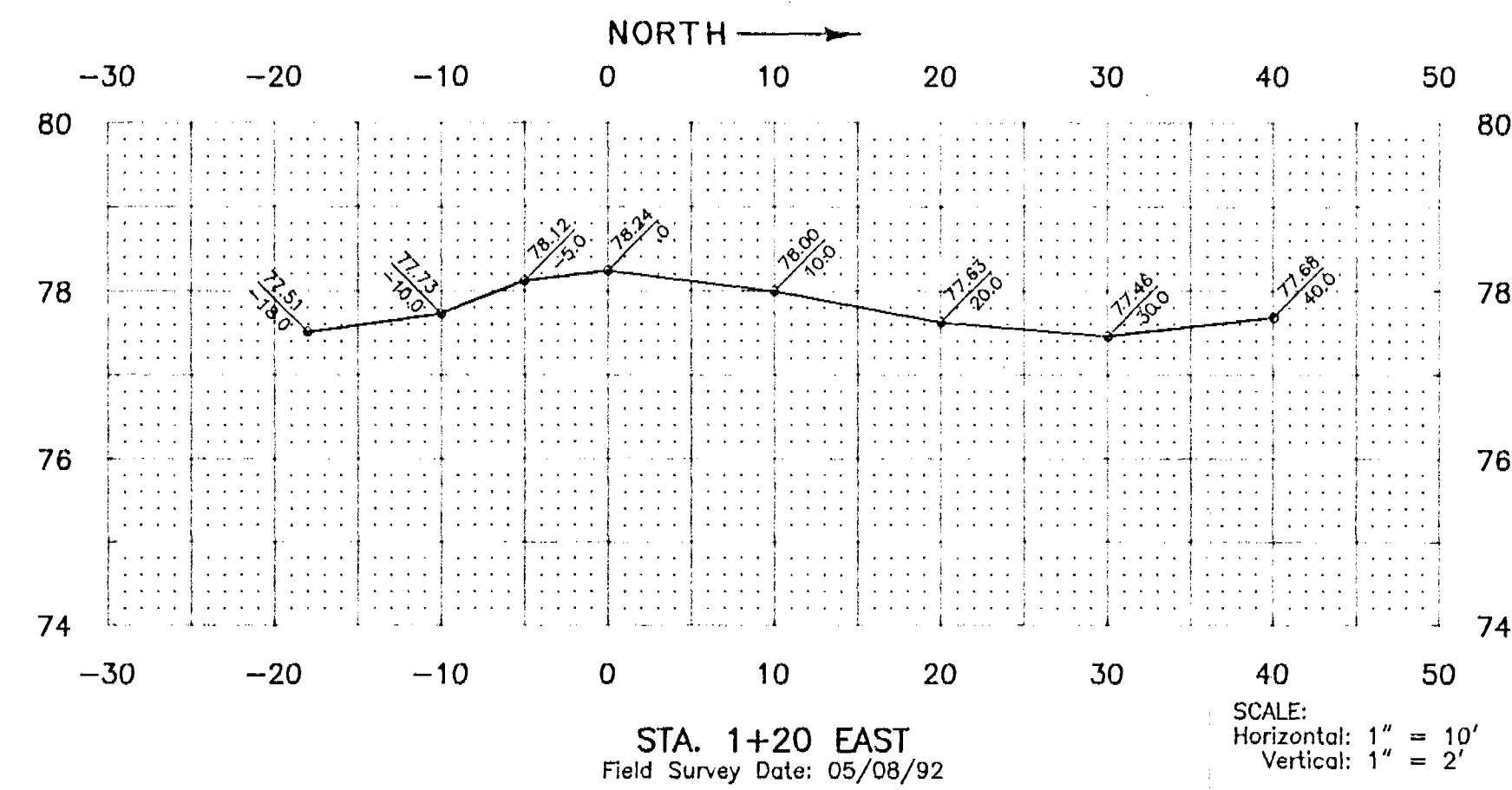
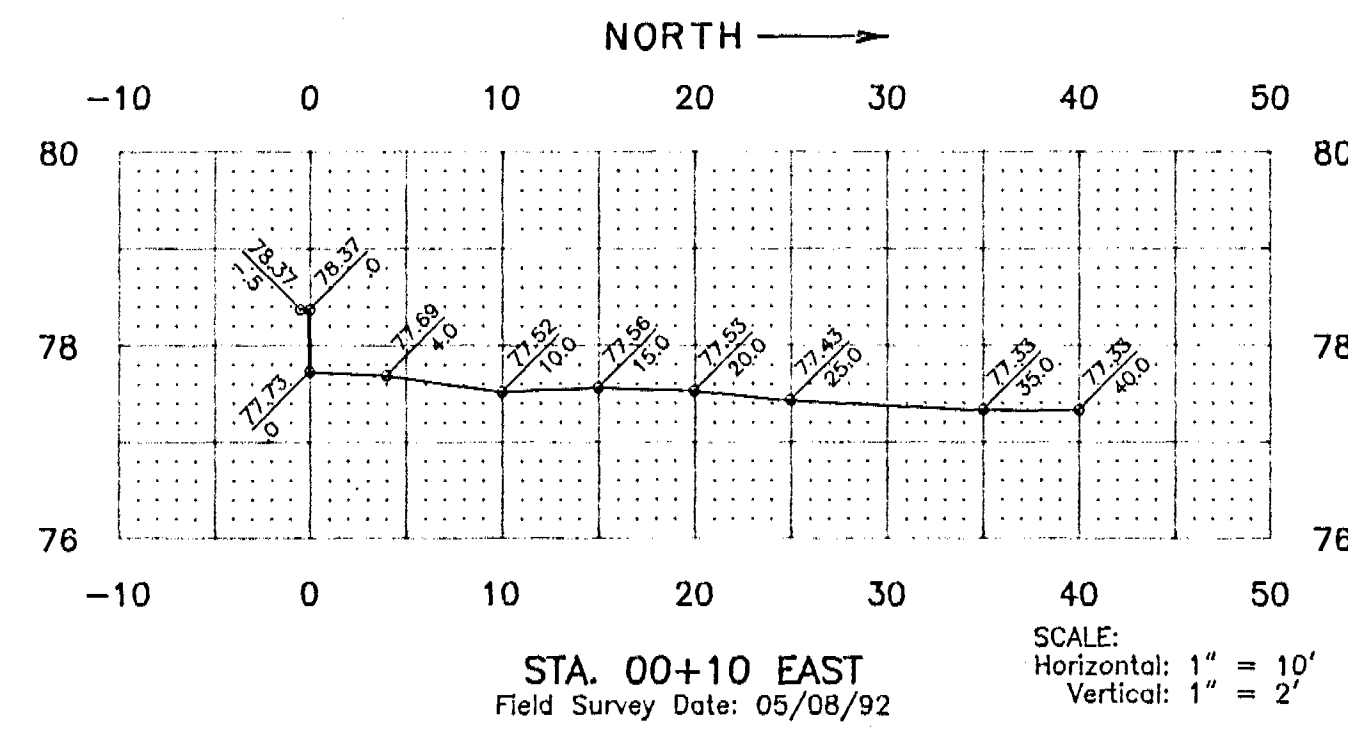
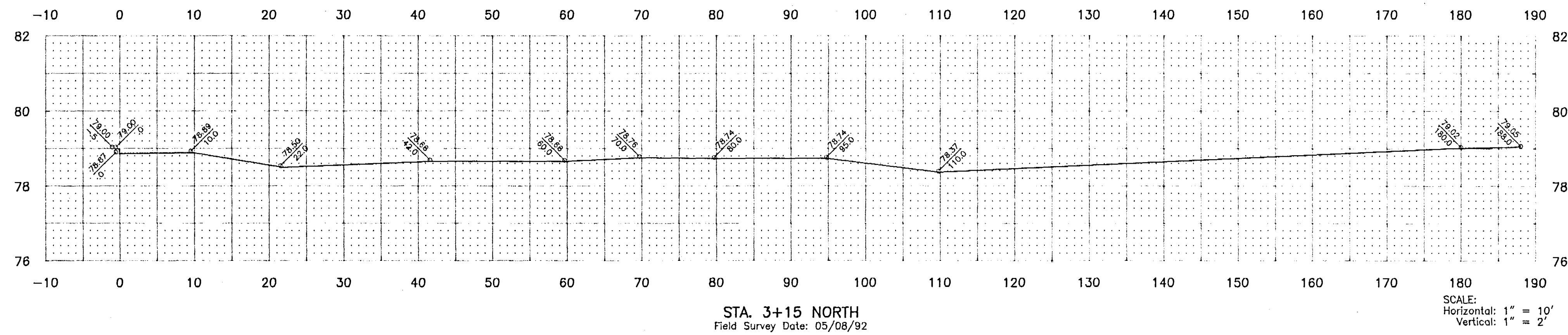


**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX M
SURVEYED CROSS-SECTIONS
EXISTING COMPOSTING PAD
CLOSED PORTIONS OF LANDFILL**

MAY 29, 1992

92-1100.00



REV. BY:	DESCRIPTION:	DATE:	DRAWN:

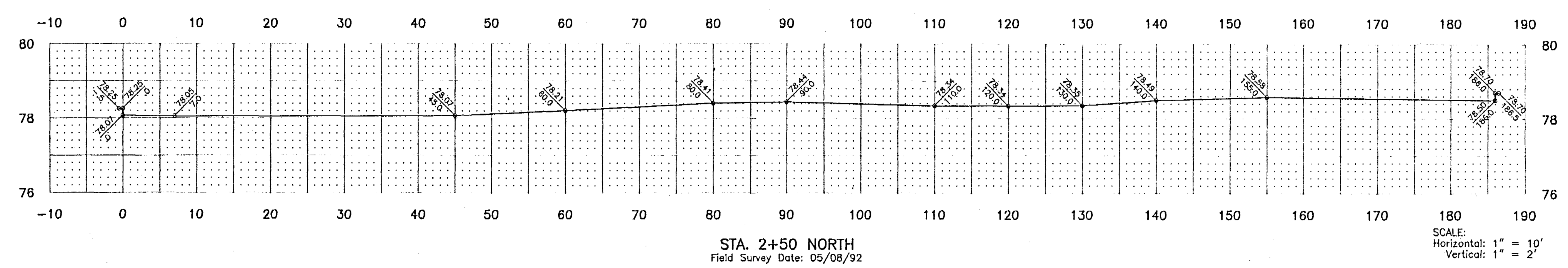
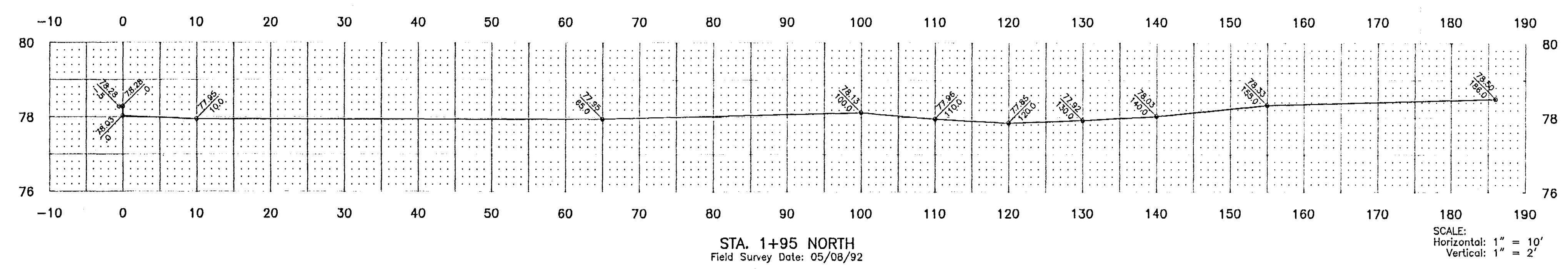
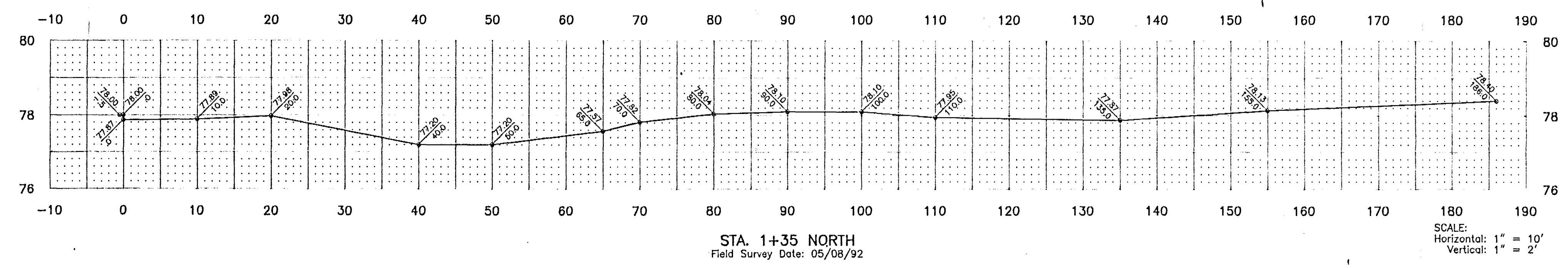
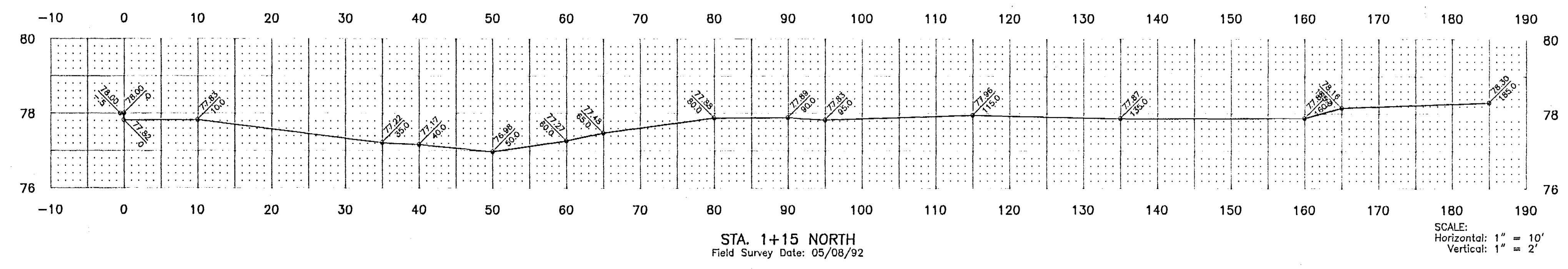
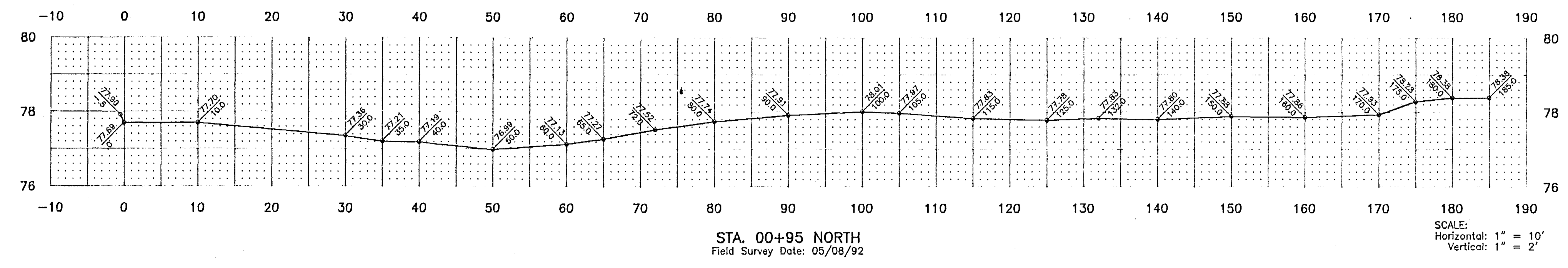
Springstead Engineering, Inc.

Consulting Engineers
Planners
Surveyors

**CROSS SECTIONS
of
EXISTING COMPOST PAD
for
SUMTER COUNTY, FL.**

DATE: 05/28/92	SCALE: AS SHOWN	FILE: X-SECT	JOB NO.: 921100.00
DESIGN: R.W.W.	DRAWN: R.L.F.	CHECKED: J.W.S.	SHEET: OF:



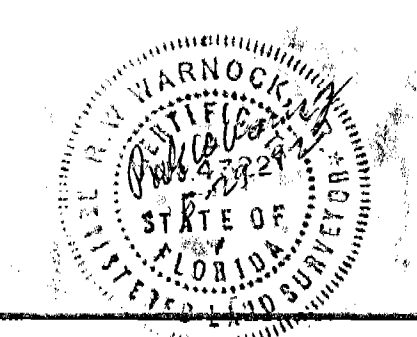


REV. BY:	DESCRIPTION:	DATE:	DRAWN:

Springstead Engineering, Inc.
Consulting Engineers
Planners
Surveyors

**CROSS SECTIONS
of
EXISTING COMPOST PAD
for
SUMTER COUNTY, FL.**

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**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
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PREPARED FOR**



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

**APPENDIX N
MAP SHOWING LOCATION OF
WASTE TIRE STORAGE AREA**

MAY 29, 1992

92-1100.00

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
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DEPARTMENT OF PUBLIC WORKS
222 EAST McCOLLUM AVENUE
BUSHNELL, FLORIDA 33513**

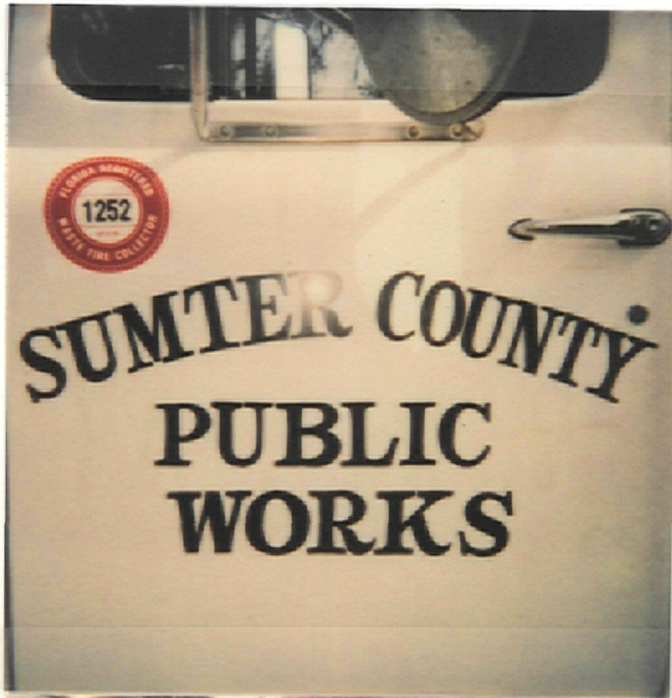
**APPENDIX O
WASTE TIRE INFORMATION**

MAY 29, 1992

92-1100.00



SUMTER COUNTY DEPARTMENT OF PUBLIC WORKS
PHOTOCOPY OF FLORIDA WASTE TIRE DECAL NO. 1252

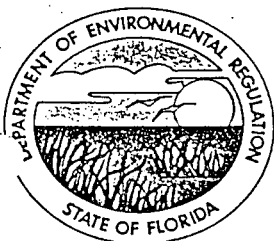


VIEW OF TRUCK DOOR. NOTE DECAL



VIEW OF TRUCK. NOTE DECAL

**SUMTER COUNTY DEPARTMENT OF PUBLIC WORKS
PHOTOGRAPHS**



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 15, 1992

Sumter County Public Works
222 E. McCollum Avenue
Bushnell, FL 33513

RE: Waste Tire Collector Registration
CO ID # 1027

Dear Sirs:

Sumter County Public Works, has been registered with the Department of Environmental Regulation as a Waste Tire Collector. Enclosed are the decals requested in your Waste Tire Collector Registration application.

Waste Tire Collectors are subject to the following specific conditions:

1. The decal supplied by the Department shall be displayed on the outside of the drivers front door. Common carriers may display the decal on a removable panel.
2. Records shall be maintained for three years and will be available for inspection by Department personnel during normal business hours. The records will be summarized quarterly and will contain the following:
 - a. Quantity of tires collected.
 - b. Where and from whom tires were collected.
 - c. Where the waste tires were deposited.
 - d. Receipts or other written materials documenting the above.
3. A Waste Tire Collector Annual Report, DER Form 17-711.900(5) be submitted by March 1 of each year.
4. A Registration Renewal Application, DER Form 17-711.900(1) shall be submitted by March 1 of each year to renew this registration.
5. A Waste Tire Collector shall leave waste tires and processed tires for storage and disposal only in a permitted waste tire processing or collection facility, at a permitted solid waste management facility, or at another site approved by the Department.
6. Any person who fails to comply with these conditions is subject to having their Waste Tire Collector Registration revoked, as well as other penalties provided by law.
7. When a Waste Tire Collector Registration number expires or is revoked, the registration decals shall be removed from all vehicles immediately.

If you need further information, please call Frances Keith of this office, telephone 904-922-6104.

Sincerely,


Bill Parker, Engineer
Solid Waste Section

BP/fk

Enclosure

04/15/92

WASTE TIRE COLLECTOR DECALS

Listed below are the Waste Tire Collector Decals assigned to your vehicles. If you wish to change the vehicle assignment you must note the change on this form and return it to the Department of Environmental Regulation. Please keep your vehicle information current by notifying us of any changes. The decals expire April 1, 1993. Thank you.

1027 Sumter County Public Works

1993 DECAL #	TAG	STATE	YEAR	MAKE	VIN
1252	87967	FL	85	Mack	1M2N188YZFA010958