



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

PERMIT NO. SF60-211255 - LONG-TERM CARE

PREPARED FOR



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

NOVEMBER 6, 1992.

92-1100.00

Springstead Engineering, inc.

Consulting Engineers — Planners — Surveyors
727 South 14th Street
Leesburg, Florida 34748
Lake (904) 787-1414
Sumter (904) 793-3639 Fax (904) 787-7221

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PERFORMED BY :

SPRINGSTEAD ENGINEERING, INC., LEESBURG, FLORIDA

D. E. R.

NOV - 9 1992

SOUTHWEST DISTRICT
TAMPA

November 6, 1992

D. E. R.

NOV - 9 1992

SOUTHWEST DISTRICT
TAMPA

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

RE: SUMTER COUNTY SOLID WASTE FACILITIES
PERMIT NO.: SF60-211255 - LONG-TERM CARE

Dear Mr. Ford:

We are in receipt of your letter dated October 30, 1992, in regards to the above referenced project. Please review the following responses:

1. Your October 5, 1992 cost estimates have been approved and have been 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.
1. Requests have been made to Mr. Fred Wick, Solid Waste Section FDER Tallahassee, to work with and approve Sumter County's financial responsibility documents. SEI is waiting for Mr. Wick's comments and notification of approval.
2. Provide you response to Mary Yeargan's October 28, 1992 attached memorandum. Ms. Yeargan may be contacted at (813) 744-6100.
 - 2.1. Due to the fluctuating groundwater flow direction, it will be necessary to expand the existing groundwater monitoring system for this permit. Groundwater monitoring wells should be proposed for the area south and southeast of the closed Class I landfill areas. Additionally, the Department will continue to require and use the groundwater elevations from the monitor wells to evaluate this landfill.
 - 2.1 SEI agrees that new wells should be installed south and southeast of the closed Class I landfill areas. The proposed well locations are shown on Figure 1. The wells will be installed into the limerock formation to an

approximate bottom elevation of 30 feet NGVD. The exact bottom elevation of the proposed wells will be determined based on actual conditions at the time of installation.

- 2.2. In our September 21, 1992 meeting with Springstead Engineering regarding this permit application, they requested that a Specific Condition for the abandonment of monitor well MW-3 be included in the referenced permit.
- 2.2 The abandonment of Monitoring Well MW-3 will be performed as per the conditions of the permit.
- 2.3. The lithology logs for monitor well MW-3 in the geologic cross-sections A-A' and D-D' do not coincide.
- 2.3 The lithology logs as shown for monitoring well MW-3 in cross sections A-A and D-D are shown incorrectly on cross section A-A. The logs have been corrected and the corrected Figure showing cross section A-A is enclosed.
- 2.4. The use of auger borings near monitor well MW-3 to confirm whether the lithology log is mislabeled is appropriate.
- 2.4 Auger borings will be performed to confirm the lithology in the vicinity of monitoring well MW-3 as discussed.
- 2.5 The analytical parameters for this permit should be expanded due to the inconsistencies in the monitoring data and the presence of organic contaminants in the groundwater.
 - a. Upon permit renewal the groundwater monitor wells should be sampled and analyzed for:
 - EPA 624/625 parameters (all compounds detected above 10ug/l should be reported)
 - EPA Priority Pollutant Metals
 - Primary and Secondary Drinking Water Standards which are not included in the above items.
 - Water Level
 - Temperature
 - Conductivity
 - Ammonium
 - Color

Mr. Kim B. Ford
FDER - Division of Waste Management

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b. Quarterly Groundwater Monitoring Parameters:

EPA Method 601/602 parameters
Primary and Secondary Drinking Water Standards
which are not included in the above item
Water Level
Temperature
Conductivity
Ammonium
Color

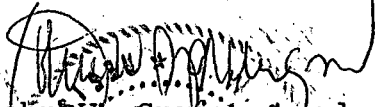
This list of parameters could be modified depending on the results of the initial round of sampling and analysis for this permit application. After four quarters of sampling and analysis, the permittee may apply to modify the sampling parameters.

5.0 The testing for the groundwater in the monitoring wells will be expanded to include the above parameters and frequencies as requested.

We hope that the above information satisfies all of the questions concerning the Long-Term Care Permit for the Sumter County Facility. Please notify SEI when there is a change in the status of the requested permit. Should you have any additional questions, please contact our office.

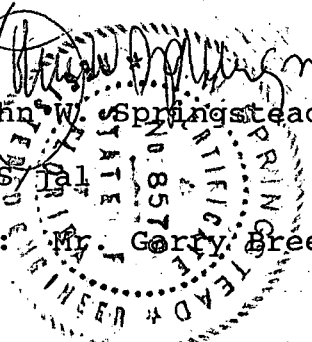
Very truly yours,

SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E. 11/6/92

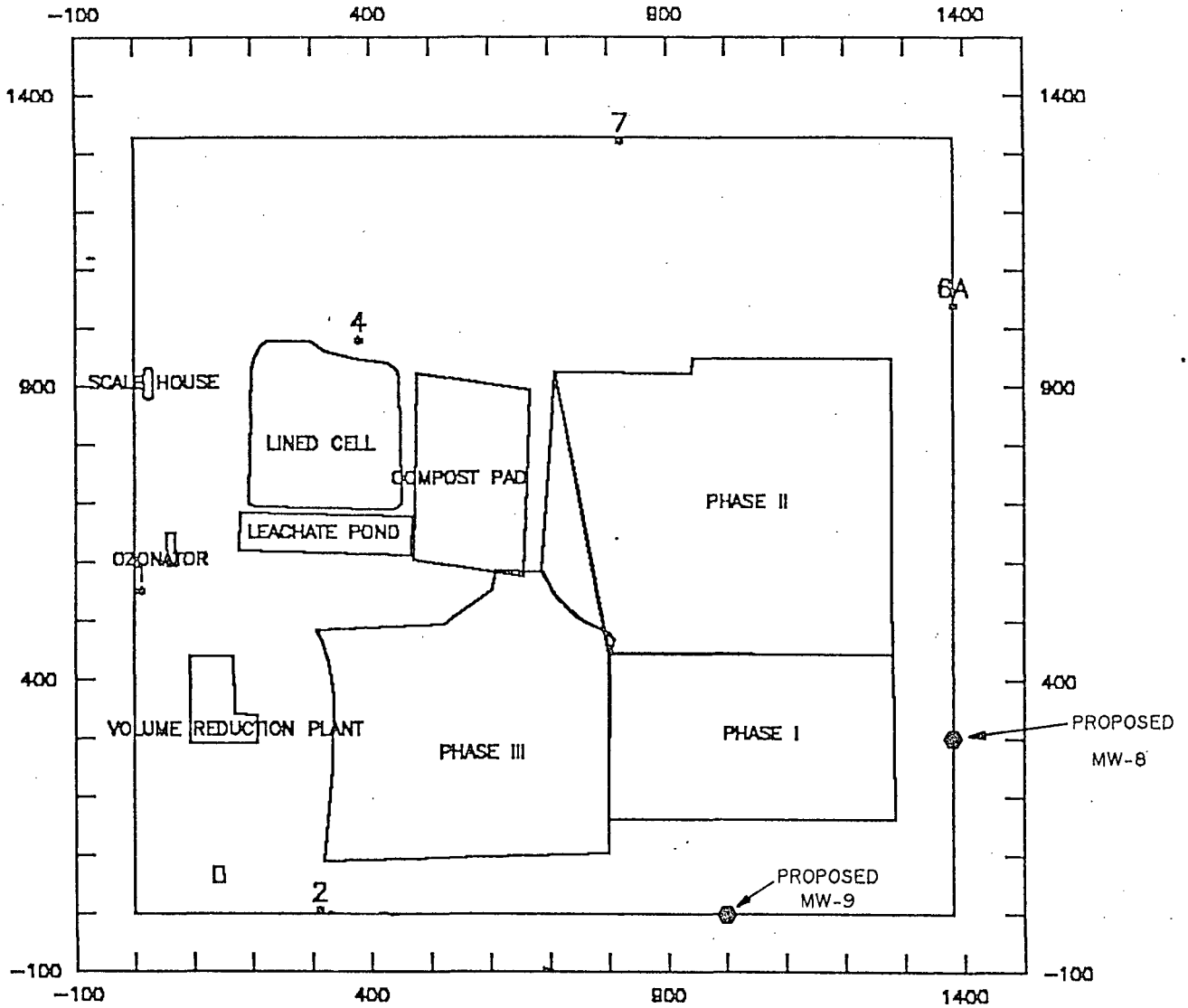
JWS/jal

cc: Mr. Gerty Breeden; Sumter County Public Works Director



SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY

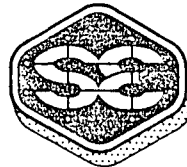
MONITOR WELL LOCATION MAP



SCALE 1 Inch = 300 Feet



SPRINGSTEAD ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS - SURVEYORS



727 S. 14TH STREET
LEESBURG, FL 34748-5618
(904) 787-1414

MONITORING WELL LOCATION MAP

SUMTER COUNTY SOLID WASTE FACILITY

SUMTER COUNTY, FLORIDA

Drawn By: DWS

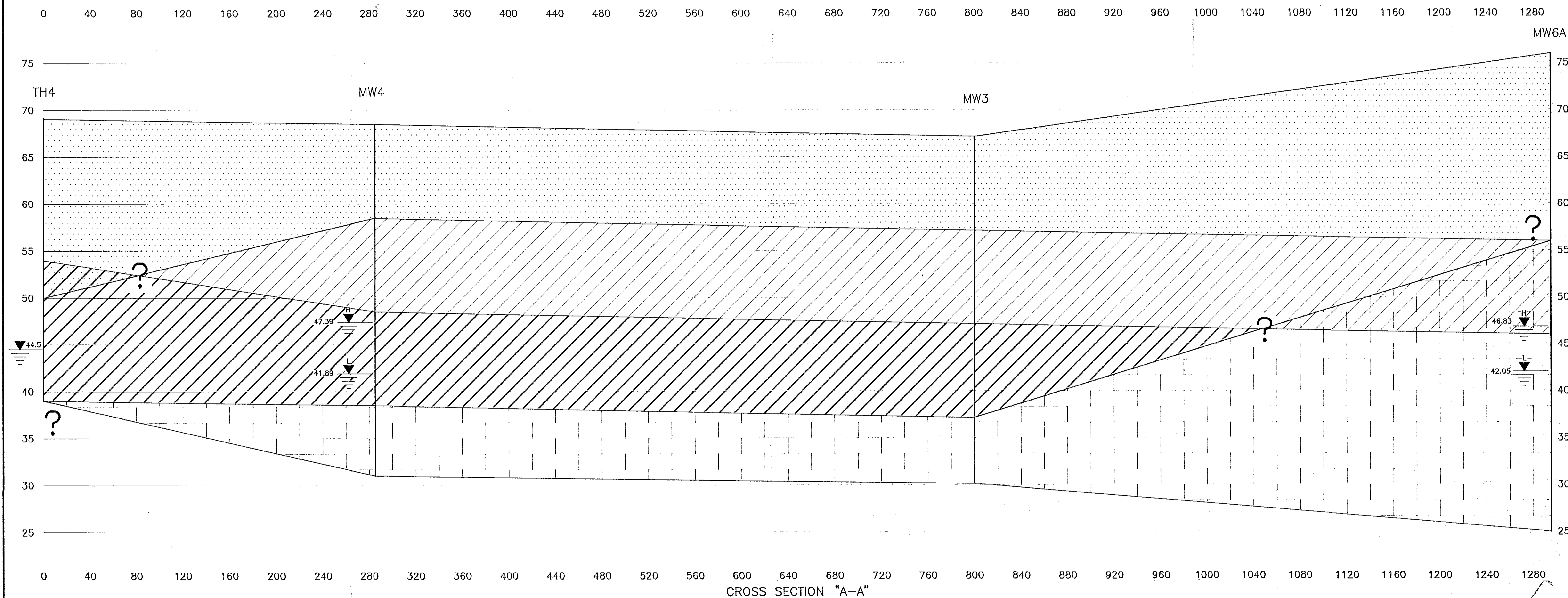
Checked By: JWS

Date: 11/6/92

Job No.: 92-1100.00

FIGURE NO. I

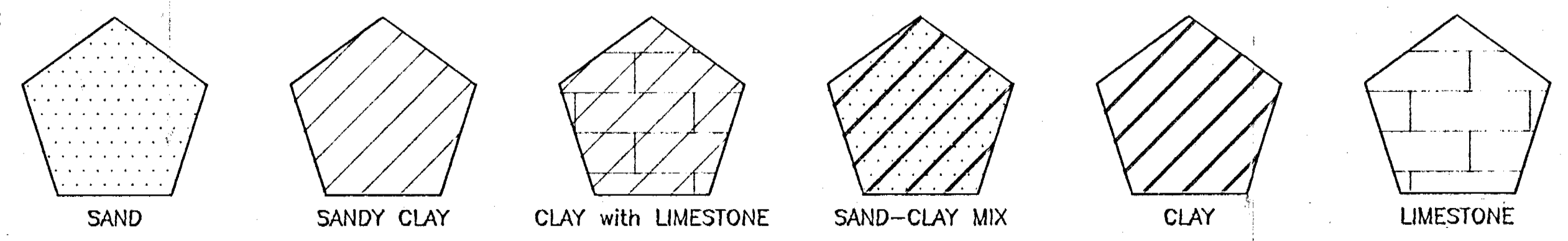
943244 (1)



CROSS SECTION "A-A"

SCALE:
Horizontal: 1" = 40'
Vertical: 1" = 5'

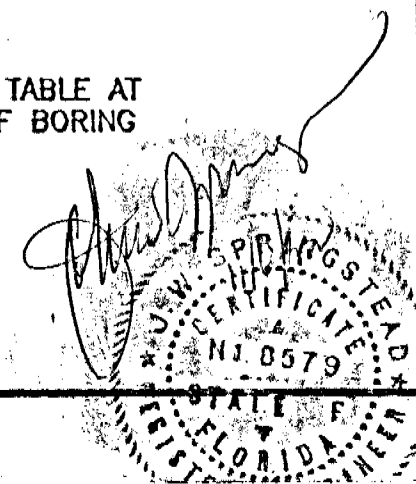
LEGEND:



47.39 = HIGH GROUNDWATER with ELEVATION
41.89 = LOW GROUNDWATER with ELEVATION
 44.5 = GROUNDWATER TABLE AT COMPLETION OF BORING with ELEVATION

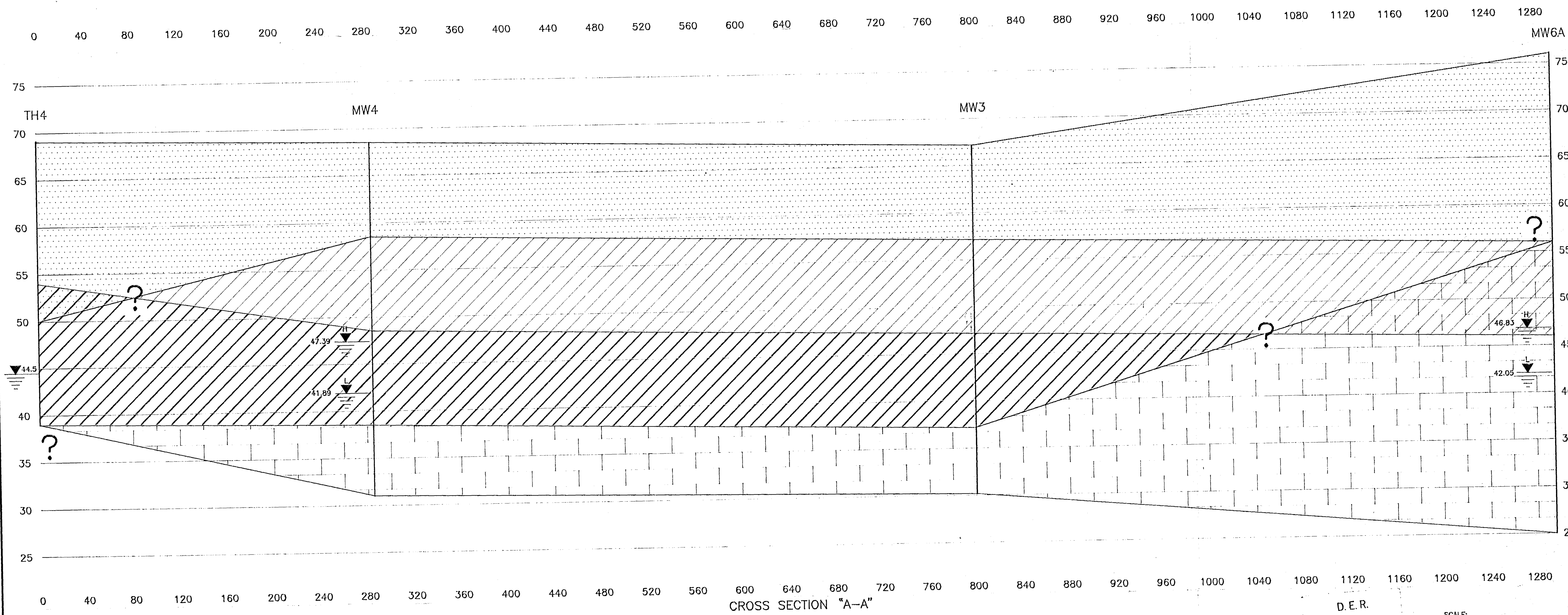
REV. BY:	DESCRIPTION:	DATE:	DRAWN:
MLD	CORRECT LITHOLOGY OF "MW3"	11/04/92	
Springstead Engineering, Inc.			
BORING CROSS-SECTIONS SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY SUMTER COUNTY, FL.			
DATE:	SCALE:	FILE:	JOB NO.:
09/22/92	AS SHOWN	BOR-1	921100.00
DESIGN:	DRAWN:	CHECKED:	SHEET:
N/A			OF:

Consulting Engineers
Planners
Surveyors

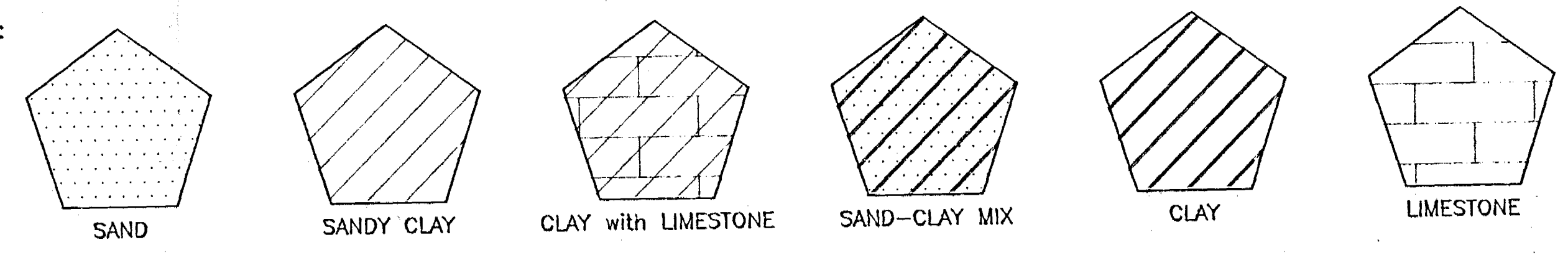


NOV 06 1992

D. E. R.
NOV - 9 1992
SOUTHWEST DISTRICT
TAMPA



LEGEND:



47.39 = HIGH GROUNDWATER with ELEVATION

41.89 = LOW GROUNDWATER with ELEVATION

44.5 = GROUNDWATER TABLE AT COMPLETION OF BORING with ELEVATION

MW3 goes thru garbage 5/28/92 x sect 1 by

D. E. R.
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TAMPA

SCALE:
Horizontal: 1" = 40'
Vertical: 1" = 5'

REV. BY:	DESCRIPTION:	DATE:	DRAWN:
<i>CD</i>	CORRECT LITHOLOGY OF "MW3"	11/04/92	<i>CD</i>

Springstead Engineering, Inc. Consulting Engineers Planners Surveyors				BORING CROSS-SECTIONS SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY SUMTER COUNTY, FL.			
DATE:	SCALE:	FILE:	JOB NO.:	DATE:	SCALE:	FILE:	JOB NO.:
09/22/92	AS SHOWN	BOR-1	921100.00				
DESIGN:	DRAWN:	CHECKED:	SHEET:				
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