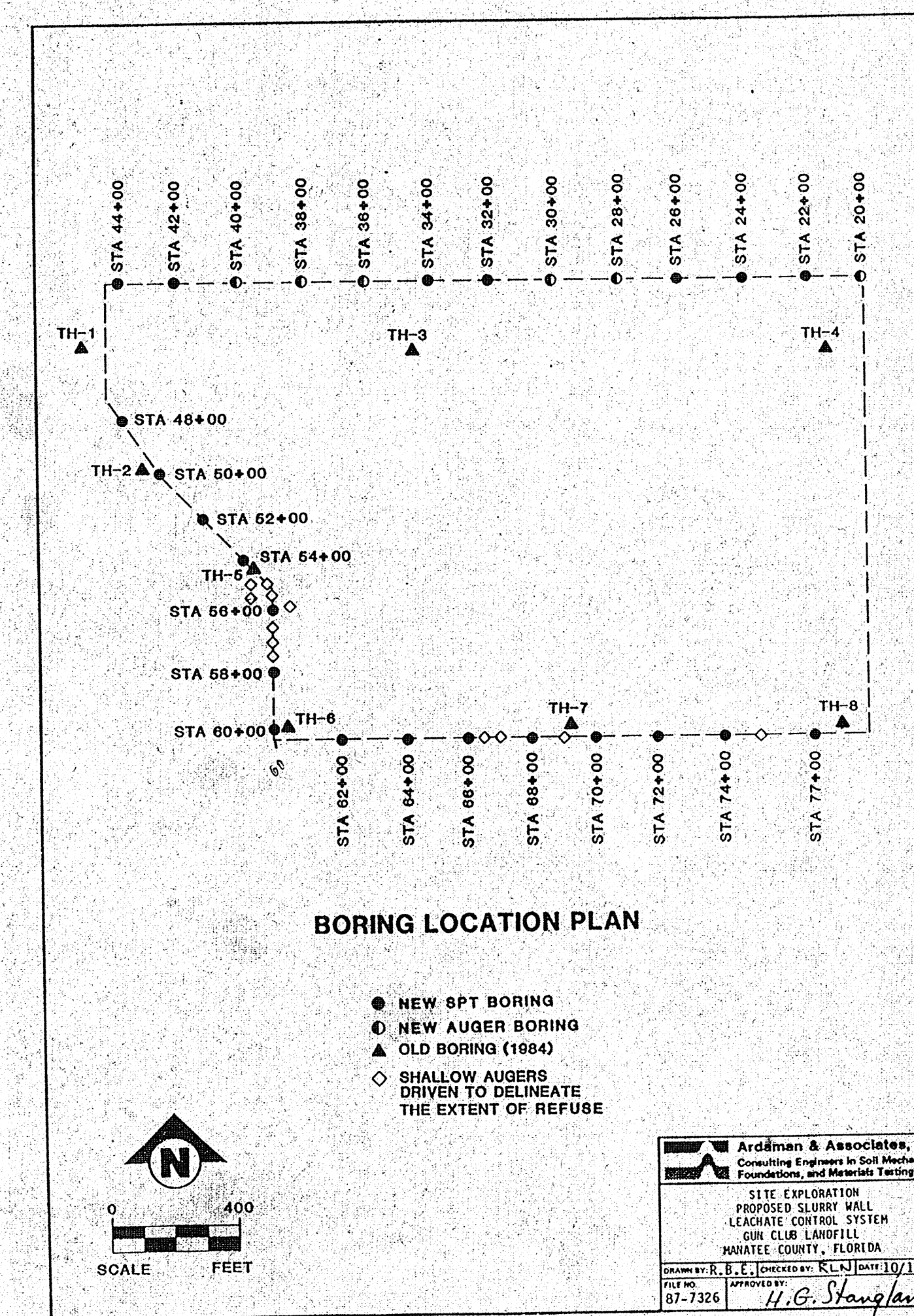
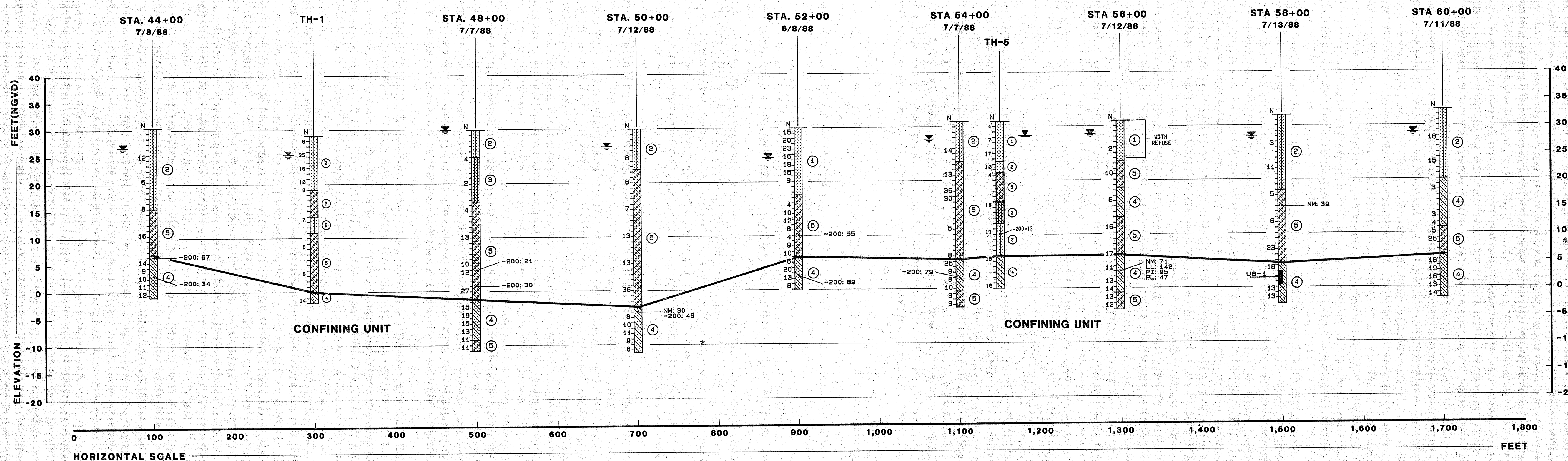


WEST WALL SOIL BORING PROFILES



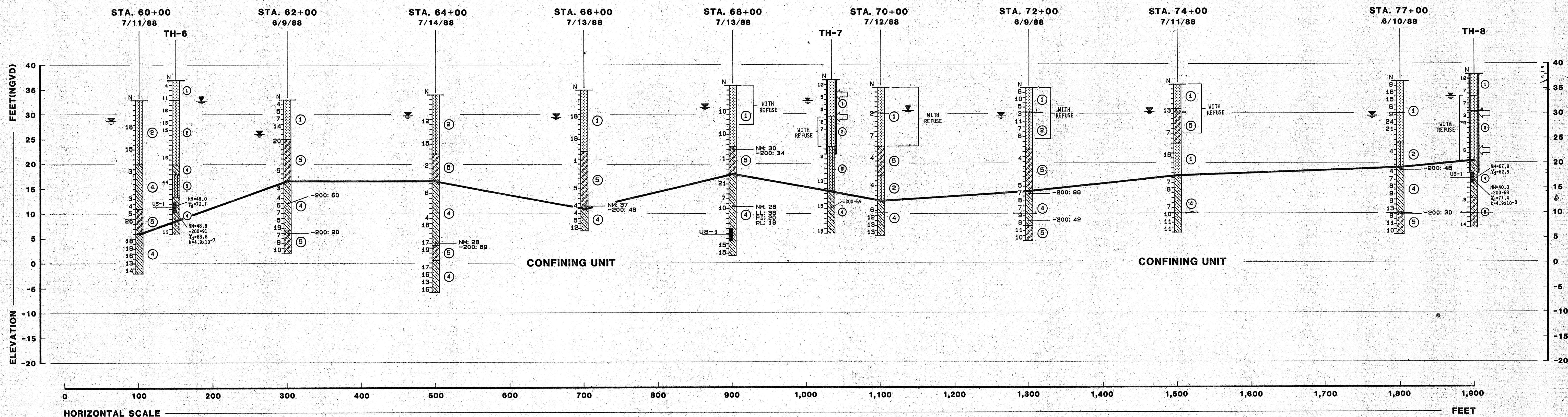
WEST WALL BORING PROFILES

Ardam & Associates, Inc.
 Consulting Engineers in Soil Mechanics, Foundations, and Materials Testing

SITE EXPLORATION
 PROPOSED SLURRY WALL
 LEACHATE CONTROL SYSTEM
 GUN CLUB LANDFILL
 MANATEE COUNTY, FLORIDA

DRAWN BY: R.B.E. CHECKED BY: R.W. DATE: 10/11/88
 FILE NO. 87-7326 APPROVED BY: H.G. Stangland

SOUTH WALL SOIL BORING PROFILES



LEGEND

- ① LIGHT GRAY TO GRAY AND LIGHT BROWN TO YELLOWISH BROWN FINE SAND
- ② GRAY OR LIGHT BROWN TO YELLOWISH BROWN SLIGHTLY SILTY TO SILTY FINE SAND
- ③ GRAY AND BROWN MEDIUM TO FINE SAND TO SLIGHTLY SILTY FINE SAND WITH PHOSPHATES
- ④ GRAY AND GREEN OR BROWN TO LIGHT YELLOWISH BROWN CLAY AND SANDY CLAY WITH OCCASIONAL TRACES OF PHOSPHATES AND SEAMS OF FINE SAND
- ⑤ GRAY AND GREEN SLIGHTLY CLAYEY TO CLAYEY FINE SAND WITH OCCASIONAL TRACES OF PHOSPHATES, SHELL OR CEMENTED SAND

TH STANDARD PENETRATION TEST (SPT) BORING CONDUCTED IN 1984

STA STATION WHERE STANDARD PENETRATION TEST (SPT) BORING OR AUGER BORING WAS CONDUCTED IN 1988

N STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

50/3" 50 BLOWS FOR 3 INCHES PENETRATION INTO SOIL

GROUNDWATER LEVEL MEASURED ON DATE DRILLED

LOSS OF DRILLING FLUID CIRCULATION

US-1 UNDISTURBED SAMPLE OBTAINED WITH A 3-INCH DIA. SHELBY TUBE

NM NATURAL MOISTURE CONTENT IN PERCENT

-200 PERCENT PASSING NO. 200 SIEVE SIZE (PERCENT FINES)

LL LIQUID LIMIT IN PERCENT

PL PLASTIC LIMIT IN PERCENT

PI PLASTICITY INDEX IN PERCENT

k COEFFICIENT OF PERMEABILITY IN cm/sec

ENGINEERING CLASSIFICATION

I COHESIONLESS SOILS

DESCRIPTION	BLOW COUNT "N"
VERY LOOSE	0 TO 4
LOOSE	4 TO 10
MEDIUM DENSE	10 TO 30
DENSE	30 TO 50
VERY DENSE	50

II COHESIVE SOILS

DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH, QU, TSF	BLOW COUNT "N"
VERY SOFT	1/4	0 TO 2
SOFT	1/4 TO 1/2	2 TO 4
MEDIUM STIFF	1/2 TO 1	4 TO 8
STIFF	1 TO 2	8 TO 15
VERY STIFF	2 TO 4	15 TO 30
HARD	4	30

WHILE THE BORINGS ARE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT THEIR RESPECTIVE LOCATIONS AND FOR THEIR RESPECTIVE VERTICAL REACHES, LOCAL VARIATIONS CHARACTERISTIC OF THE SUBSURFACE MATERIALS OF THE REGION ARE ANTICIPATED AND MAY BE ENCOUNTERED. THE BORING LOGS AND RELATED INFORMATION ARE BASED ON THE DRILLER'S LOGS AND VISUAL EXAMINATION OF SELECTED SAMPLES IN THE LABORATORY. THE DELINEATION BETWEEN SOIL TYPES SHOWN ON THE LOGS IS APPROXIMATE AND THE DESCRIPTION REPRESENTS OUR INTERPRETATION OF SUBSURFACE CONDITIONS AT THE DESIGNATED BORING LOCATIONS ON THE PARTICULAR DATE DRILLED.

GROUNDWATER ELEVATIONS SHOWN ON THE BORING LOGS REPRESENT GROUNDWATER SURFACES ENCOUNTERED ON THE DATE SHOWN. FLUCTUATIONS IN WATER TABLE LEVELS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR. ABSENCE OF WATER SURFACE DATA ON CERTAIN BORINGS IMPLIES THAT NO GROUNDWATER DATA IS AVAILABLE, BUT DOES NOT NECESSARILY MEAN THAT GROUNDWATER WILL NOT BE ENCOUNTERED AT THESE LOCATIONS OR WITHIN THE VERTICAL REACHES OF THESE BORINGS IN THE FUTURE.

Test Pits - Results of test pits dug by county forces to determine extent of buried refuse along south wall of Stage 3 - Gun Club Landfill, October 25, 1988.

Location - South Wall	Depth of Garbage from Surface	Lateral Extent of Garbage
Sta. 77+00	2 1/2 to 11 feet	Garbage ends at toe of creek bank. Thickness decreases moving towards creek.
Sta. 76+00	5 1/2 to 12 1/2 feet	Thickness decreases towards creek. Garbage ends at toe of creek bank.
Sta. 75+00	1 1/2 to 6 feet	Garbage extends to toe of creek, thinning in that direction.
Sta. 73+00	4 to 8 feet	Garbage extends to toe of creek. Garbage starts thinning towards creek.
Sta. 71+00	7 to 13 1/2 feet	Garbage right against creek bank. Some thinning towards creek.
Sta. 69+00	3 1/2 to 7 1/2 feet	Garbage extends to toe of creek, thinning towards creek.
Sta. 67+00	3 1/2 to 8 feet	Garbage thins to creek, begins to slope up adjacent to toe of creek.

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