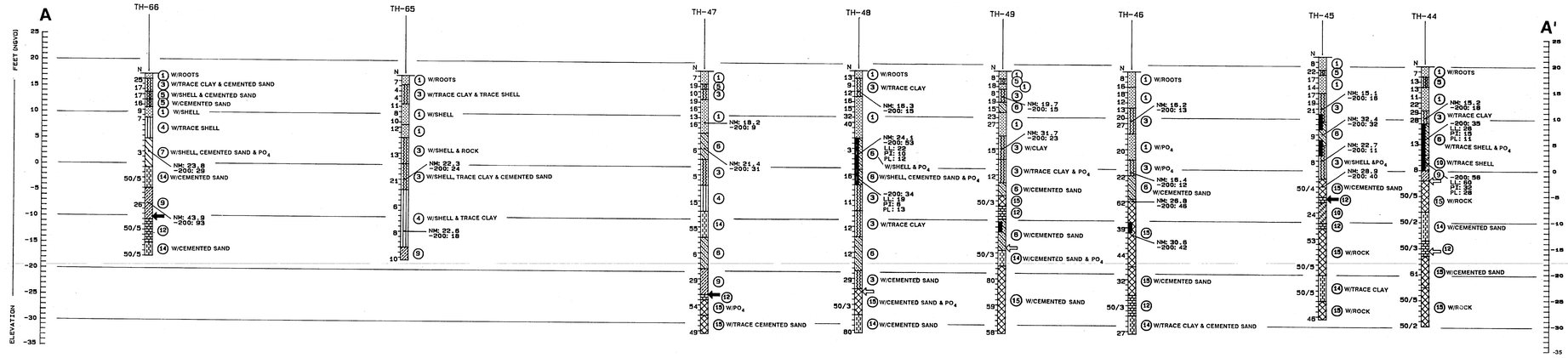


LEGEND

SOIL STRATA

1. BROWN TO GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND
2. LIGHT BROWNISH-GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND
3. BROWN TO GRAY SILTY FINE SAND
4. DARK GRAY TO GREENISH-GRAY SILTY FINE SAND
5. ORANGE TO ORANGISH-BROWN SLIGHTLY SILTY TO SILTY FINE SAND
6. BROWNISH-GRAY TO GRAY CLAYEY FINE SAND
7. LIGHT BROWN TO LIGHT GRAY CLAYEY FINE SAND
8. GRAYISH-BLUE TO DARK GRAYISH-GREEN CLAYEY FINE SAND
9. LIGHT YELLOW TO BROWNISH-GRAY SILTY TO SANDY CLAY
10. GRAY TO DARK GRAY SANDY CLAY
11. GREENISH-GRAY TO GREEN SANDY CLAY TO CLAY
12. ROCK
13. SANDSTONE
14. SILTSTONE
15. CLAYSTONE

- COMPLETE CIRCULATION LOSS
- PARTIAL CIRCULATION LOSS
- -200 PERCENT PASSING NO. 200 SIEVE SIZE (PERCENT FINES) (ASTM D-1140)
- LL LIQUID LIMIT IN PERCENT (ASTM D-423)
- PL PLASTIC LIMIT IN PERCENT (ASTM D-424)
- PI PLASTICITY INDEX IN PERCENT (ASTM D-424)
- NM NATURAL MOISTURE CONTENT IN PERCENT (ASTM D-2216)
- UNDISTURBED SAMPLE OBTAINED WITH A 3-INCH DIAMETER SHELBY TUBE

0 300 600
HORIZONTAL SCALE: FEET

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 EXIST BETWEEN BORINGS. THE BORING LOGS AND RELATED INFORMATION ARE BASED ON THE DRILLER'S LOGS AND THE 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 DATES 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.

Herbert G. Stanglund

BORROW AREA BORING PROFILES

Ardaman & Associates, Inc.
Consulting Engineers in Soils, Hydrogeology, Foundations, and Materials Testing

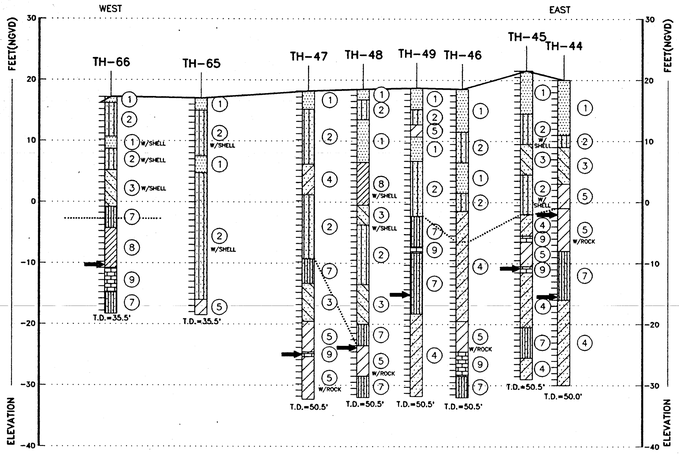
HYDROGEOLOGIC SURVEY
SARASOTA CENTRAL
COUNTY LANDFILL COMPLEX
SARASOTA COUNTY, FLORIDA

DRAWN BY: JJN	CHECKED BY: DGS	DATE: 3/5/92
FILE NO. 89-135	APPROVED BY: H.G. Stanglund	

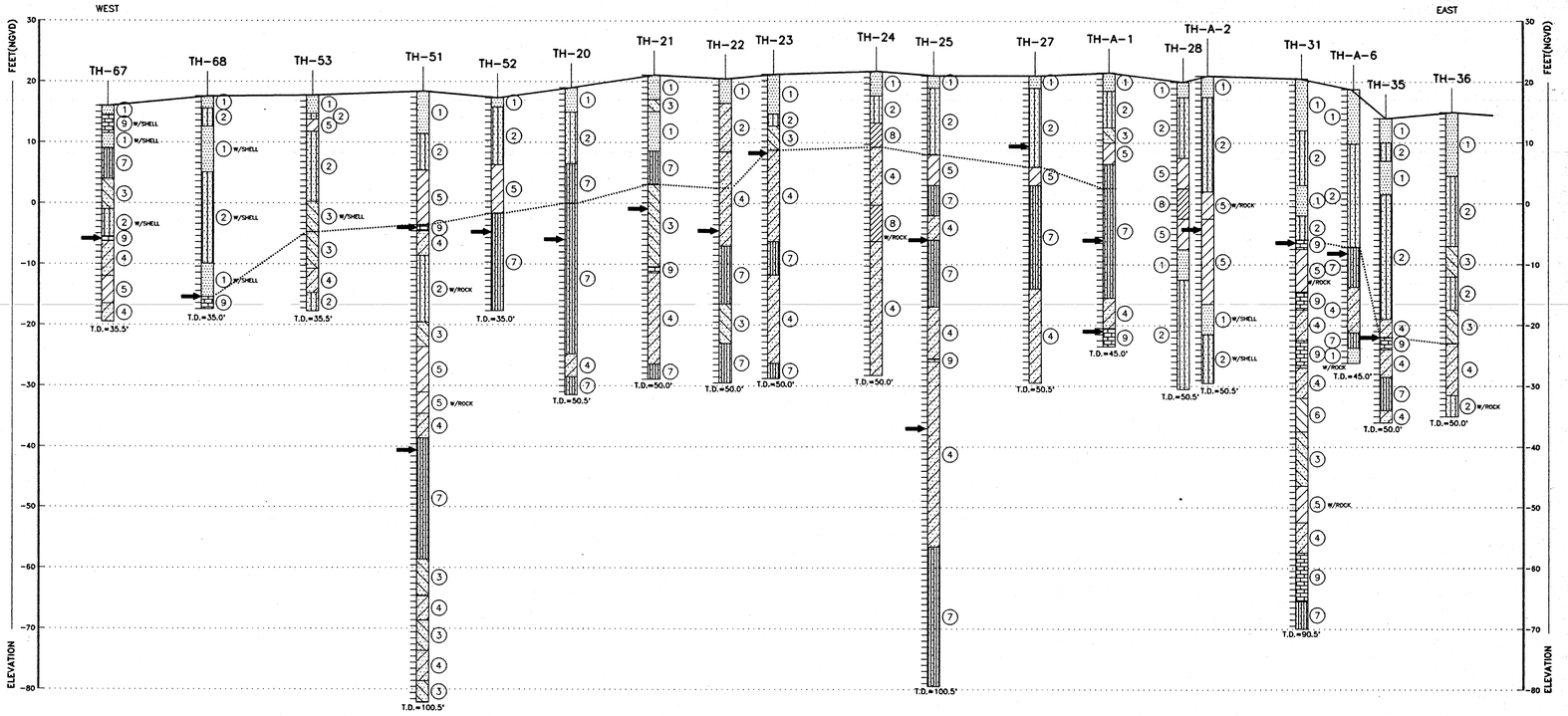
FIGURE 15

CADD FILE: KJS\89135-03

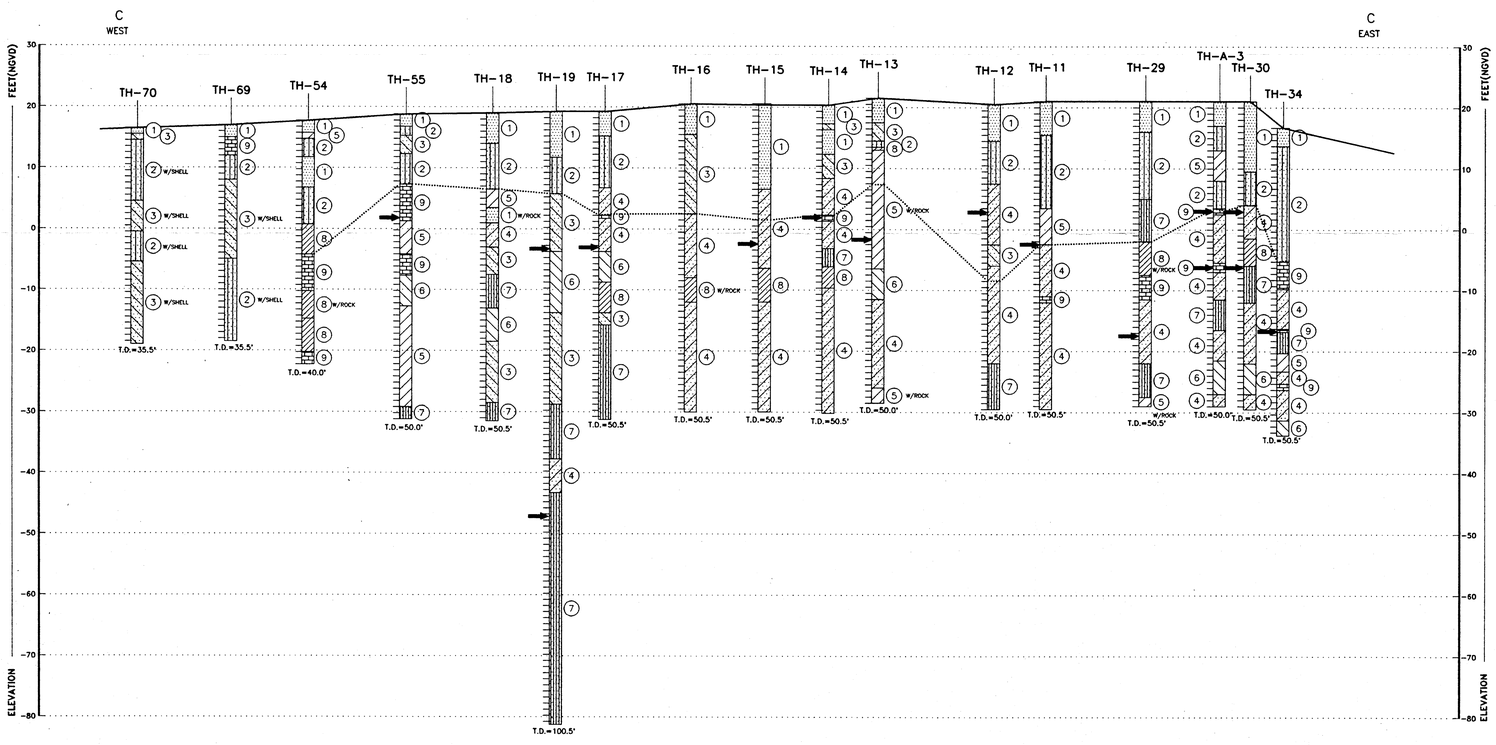
SECTION A-A



SECTION B-B



SECTION C-C



LEGEND

1. BROWN TO GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND
2. GRAY SILTY FINE SAND TO SLIGHTLY CLAYEY FINE SAND
3. GRAY CLAYEY FINE SAND
4. BROWN TO GRAY CLAYEY FINE SAND WITH ROCK FRAGMENTS
5. BROWN TO GRAY SANDY CLAY
6. GRAYISH GREEN STIFF CLAY
7. GRAY SILTY TO SLIGHTLY CLAYEY FINE SAND WITH ROCK FRAGMENTS
8. DARK GRAYISH BROWN OR BLUE CLAY
9. ROCK

→ CIRCULATION LOSS ZONE

..... TOP OF ZONE WHERE SPT "N" VALUES > 50 BLOWS PER 12 INCHES

0 1000 2000
HORIZONTAL SCALE: **FEET**

GENERALIZED BORING PROFILES A THROUGH C

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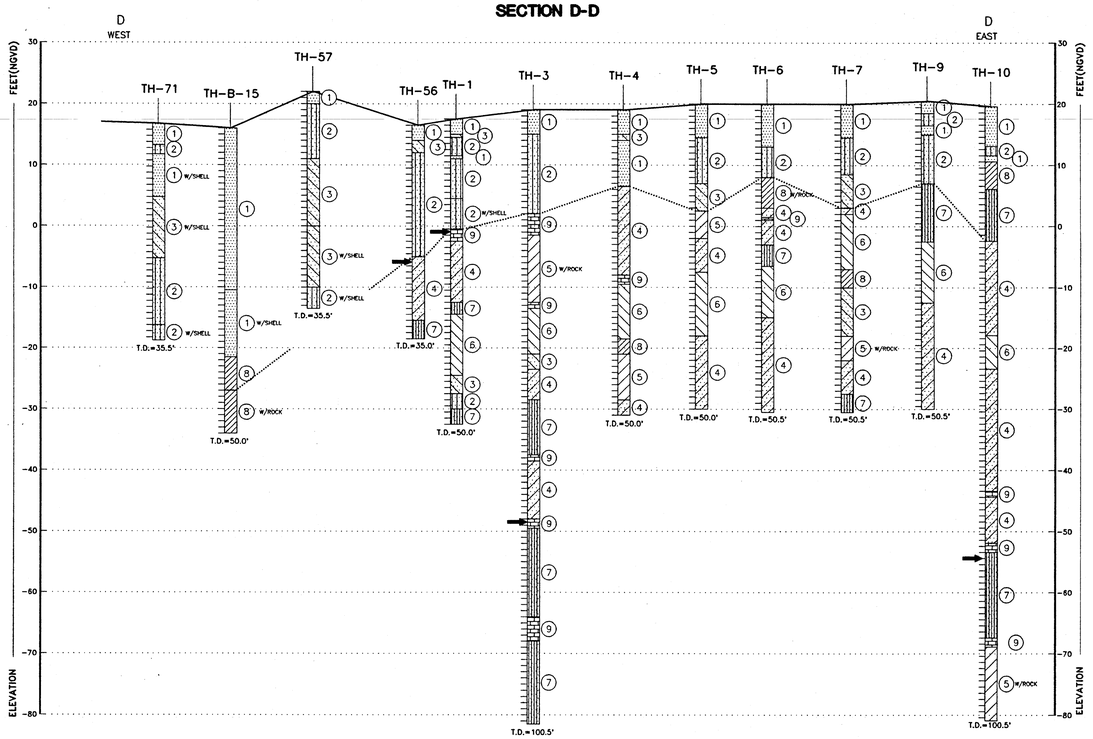
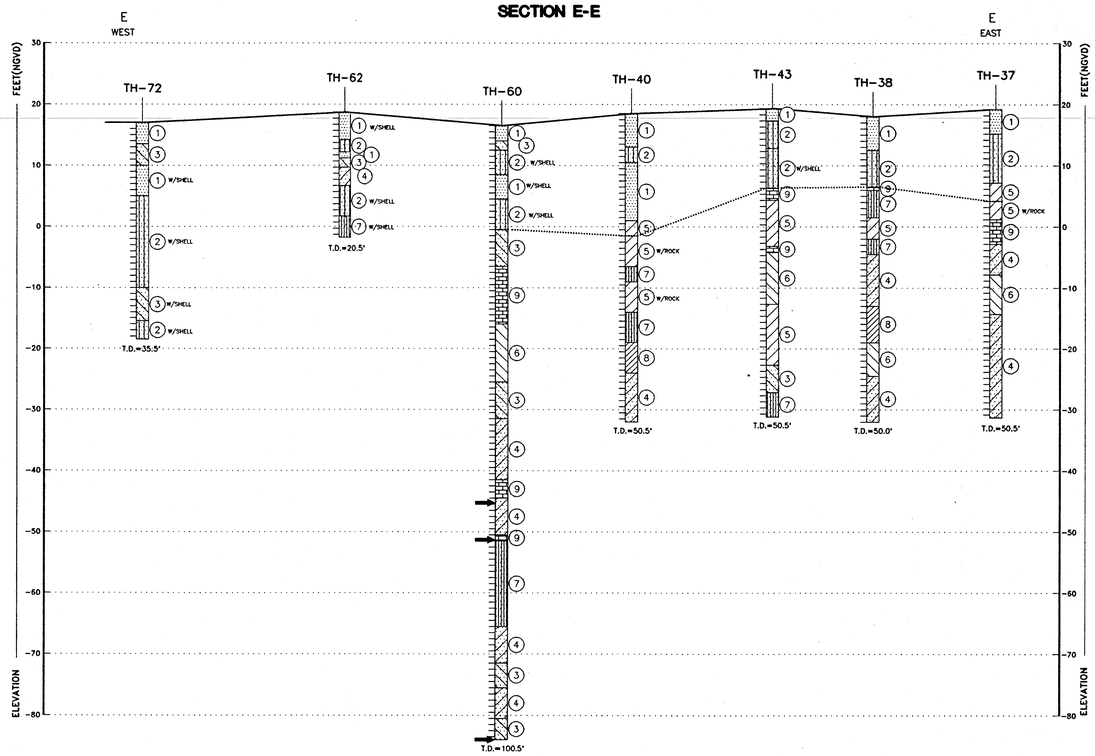
FIGURE 4

CADD FILE: KJS\89135-04

SECTION D-D



SECTION E-E



LEGEND

1. BROWN TO GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND
2. GRAY SILTY FINE SAND TO SLIGHTLY CLAYEY FINE SAND
3. GRAY CLAYEY FINE SAND
4. BROWN TO GRAY CLAYEY FINE SAND WITH ROCK FRAGMENTS
5. BROWN TO GRAY SANDY CLAY
6. GRAYISH GREEN STIFF CLAY
7. GRAY SILTY TO SLIGHTLY CLAYEY FINE SAND WITH ROCK FRAGMENTS
8. DARK GRAYISH BROWN OR BLUE CLAY
9. ROCK

→ CIRCULATION LOSS ZONE

..... TOP OF ZONE WHERE SPT "N" VALUES > 50 BLOWS PER 12 INCHES

0 1000 2000
HORIZONTAL SCALE: **FEET**

Herbert G. Stangland

GENERALIZED BORING PROFILES D THROUGH E

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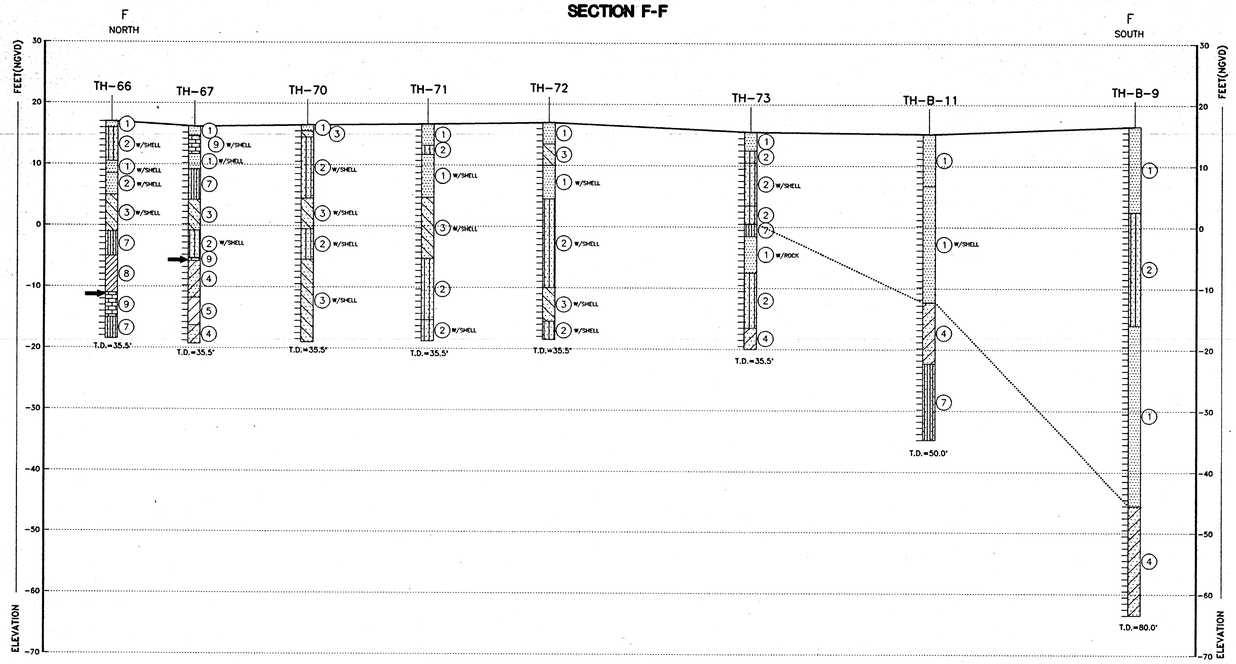
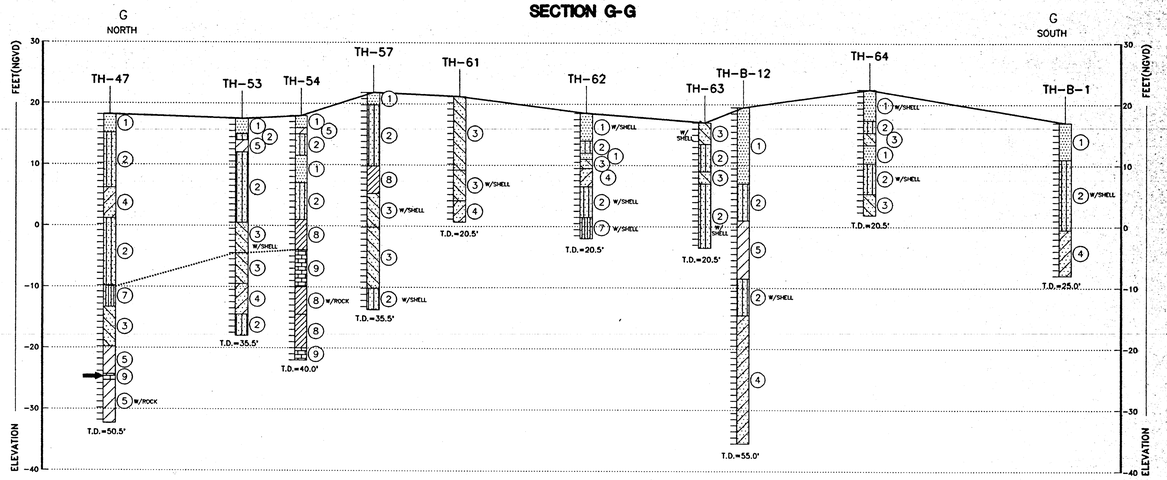
FIGURE 5

CADD FILE: KJS\89135-05

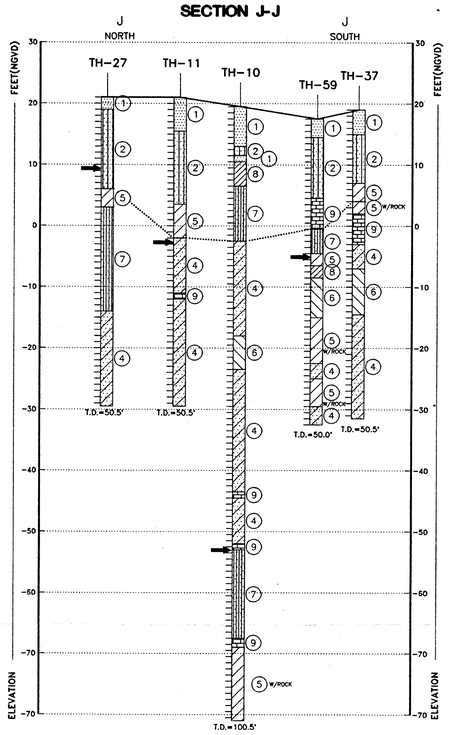
SECTION F-F



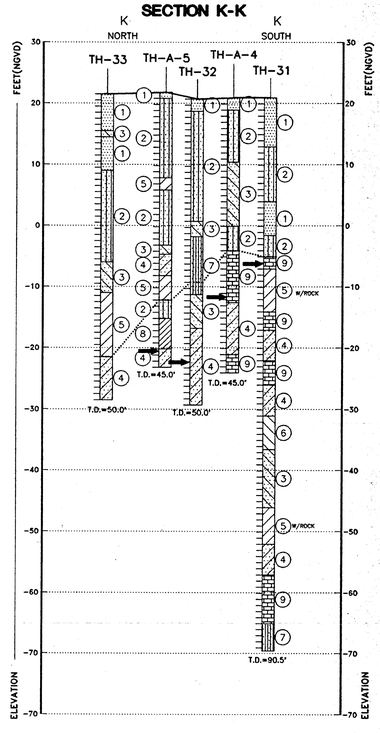
SECTION G-G



SECTION J-J



SECTION K-K



SECTION H-H

SECTION I-I

LEGEND

- (1) BROWN TO GRAY FINE SAND TO SLIGHTLY SILTY FINE SAND
- (2) GRAY SILTY FINE SAND TO SLIGHTLY CLAYEY FINE SAND
- (3) GRAY CLAYEY FINE SAND
- (4) BROWN TO GRAY CLAYEY FINE SAND WITH ROCK FRAGMENTS
- (5) BROWN TO GRAY SANDY CLAY
- (6) GRAYISH GREEN STIFF CLAY
- (7) GRAY SILTY TO SLIGHTLY CLAYEY FINE SAND WITH ROCK FRAGMENTS
- (8) DARK GRAYISH BROWN OR BLUE CLAY
- (9) ROCK

➡ CIRCULATION LOSS ZONE

..... TOP OF ZONE WHERE SPT "N" VALUES > 50 BLOWS PER 12 INCHES

0 1000 2000
HORIZONTAL SCALE: FEET

Herbert G. Stangland

GENERALIZED BORING PROFILES F THROUGH K

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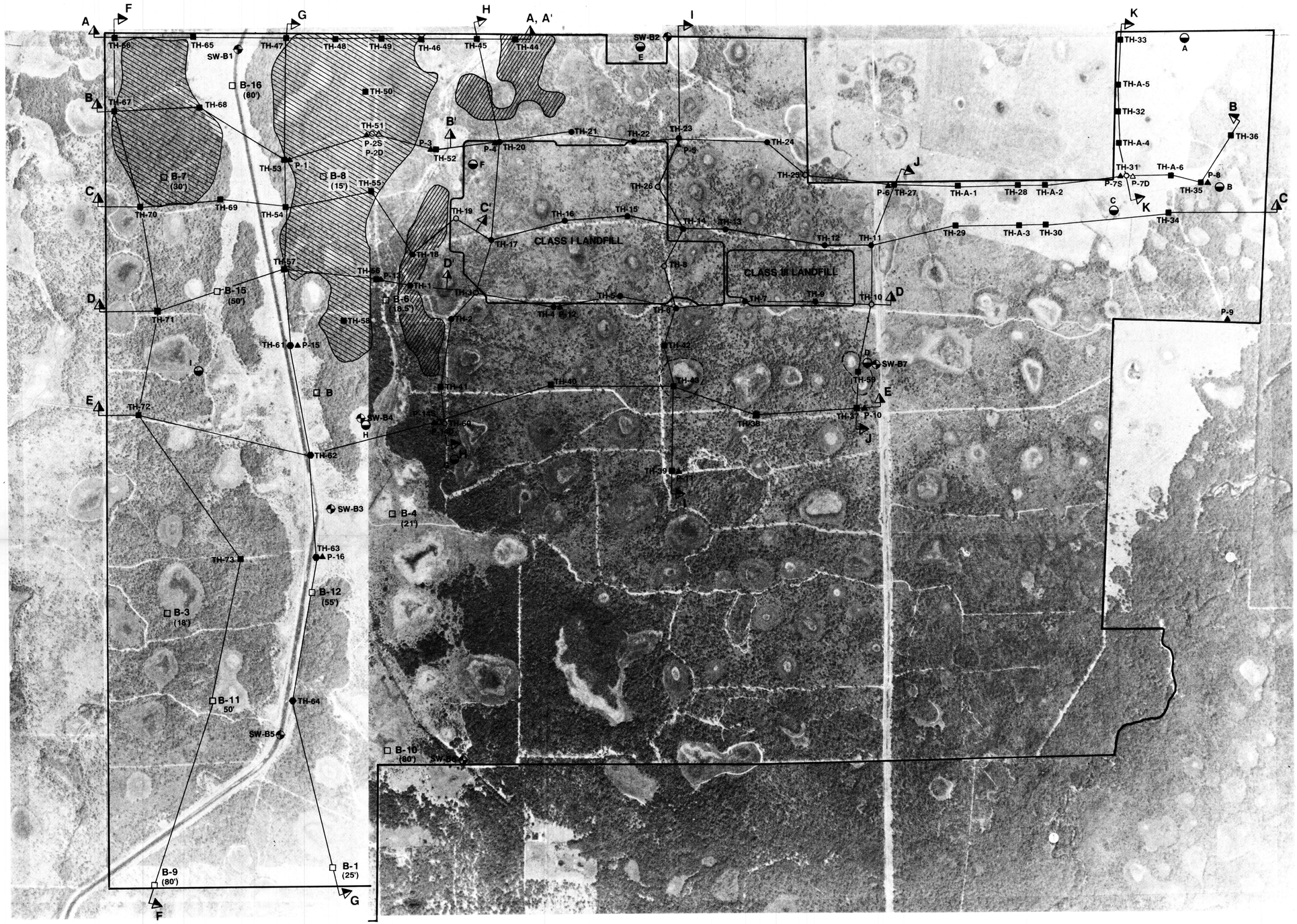
FIGURE 6



900 0 900

SCALE FEET

LEGEND

- 100-FOOT DEEP STANDARD PENETRATION TEST (SPT) BORING LOCATION
- 50-FOOT DEEP SPT BORING LOCATION
- BORROW PIT SPT BORING LOCATION
- SPT FOR ROAD ON ALONG COW PEN SLOUGH CANAL (20 feet)
- SHALLOW MONITOR WELL (MAX. 15 feet)
- DEEP MONITOR WELL (MAX. 100 feet)
- JAMMAL BORINGS
- (21') DEPTH OF BORING
- DEPRESSIONAL FEATURES INVESTIGATED FOR SINKHOLE EVALUATION
- A A' CROSS-SECTION LOCATION
- BORROW AREAS
- STORMWATER RETENTION PONDS
- LANDFILL FOOTPRINT
- SW-B# SURFACE WATER ELEVATION STATIONS (STAFF GAUGES)
- INVENTORIED WELL

BORING LOCATION PLAN

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SARASOTA CENTRAL
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FILE NO. 89-135	APPROVED BY:	

FIGURE 2