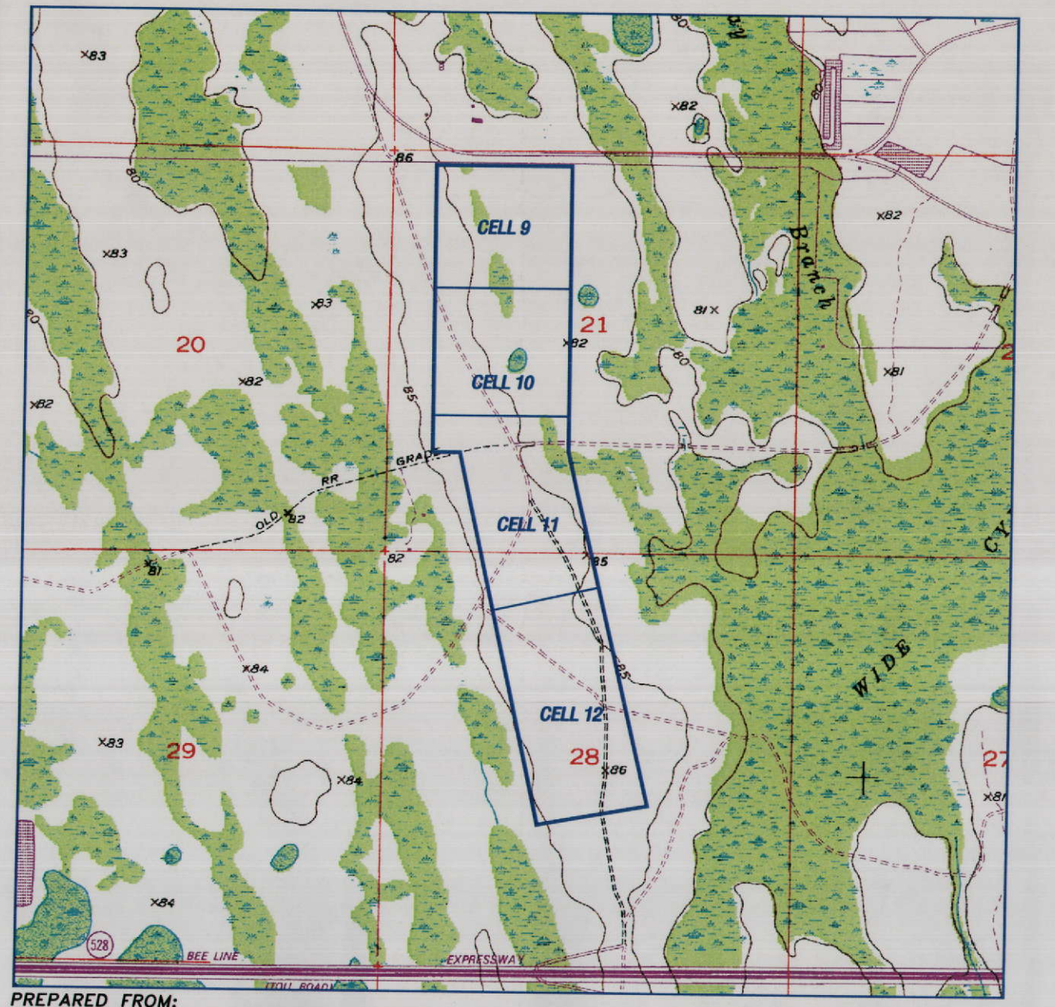
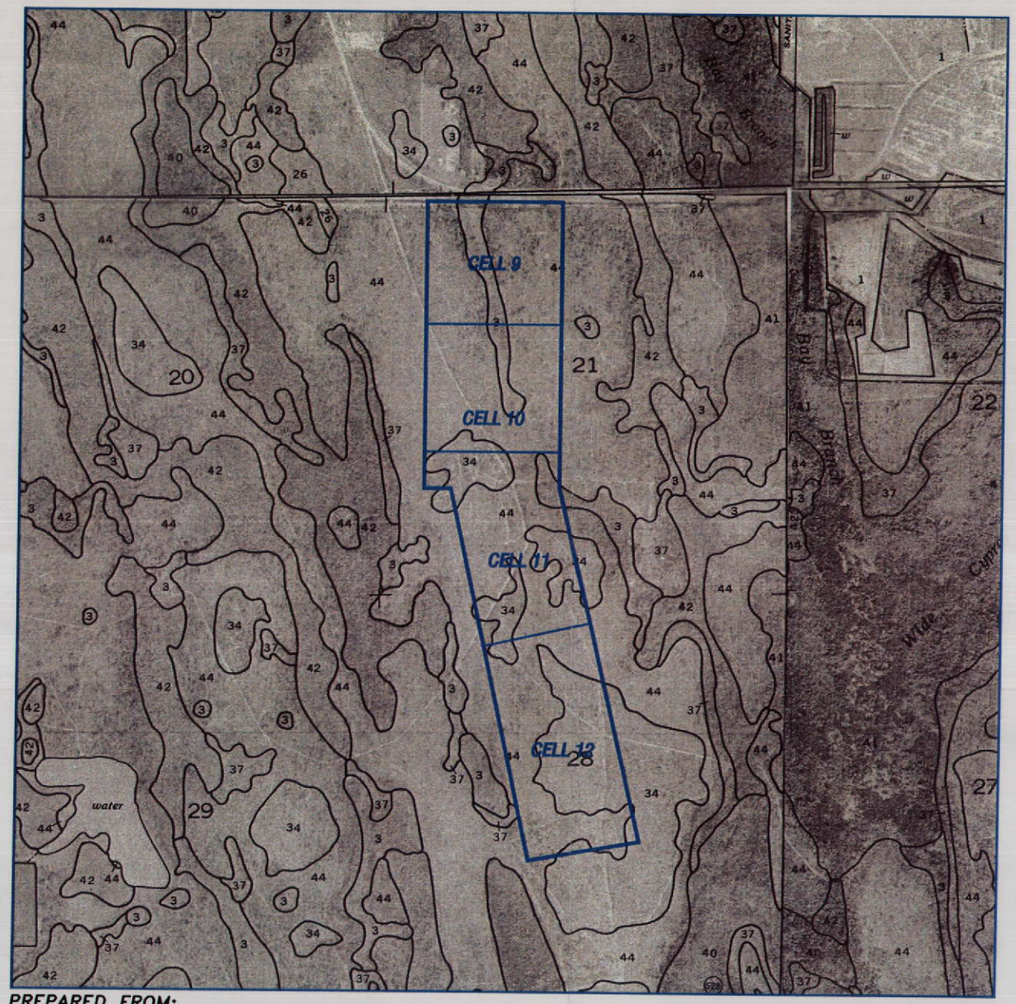


PREPARED FROM:
USGS NARCOOSSEE NW, FLA. QUADRANGLE MAP
ISSUED 1953
PHOTOREVISED 1980
SECTIONS: 21, 28
TOWNSHIP: 23 SOUTH
RANGE: 31 EAST



PREPARED FROM:
NRCS SOIL SURVEY OF ORANGE CO., FLA.
AERIAL PHOTOBASE DATED 1981

ORANGE COUNTY MAP UNIT LEGEND

3 – BASINGER FINE SAND, DEPRESSIONAL
34 – POMELLO FINE SAND, 0 TO 5 PERCENT SLOPES
44 – SMYRNA FINE SAND

0 1000 2000
SCALE (FT.)

VERIFY SCALE
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NO.	BY	REVISIONS	DATE

DESIGNED	RFA	DATE	9-11-07	
DRAWN	SKR	DATE	9-11-07	
CHECKED	RFA	DATE	9-11-07	
APPROVED	MJP	DATE	9-11-07	
CADD FILE NAME	D64\2560g\cells			

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ORLANDO, FLORIDA 32801
EB0000072

ORANGE COUNTY LANDFILL EXPANSION
GEOTECHNICAL ENGINEERING EVALUATION
USGS QUADRANGLE AND NRCS SOIL SURVEY MAPS
CELLS 9 - 12

SHEET SHEET-NO
DWG. NO. 01
SCALE: 1" = 2000'
PROJ. NO. 2560G

SCHEMATIC DESIGN

J:\DATA\D64\2560g\MAPS.dwg, 9/19/2007 9:45:31 AM, 1:1



LEGEND

TB-66 — APPROXIMATE SPT BORING LOCATIONS PERFORMED BY OTHERS DURING CELL 9 STUDY

GB-5 — APPROXIMATE SPT BORING LOCATIONS PERFORMED BY GEC DURING CURRENT CELLS 10–12 STUDY

0 500 1000
SCALE (FT.)

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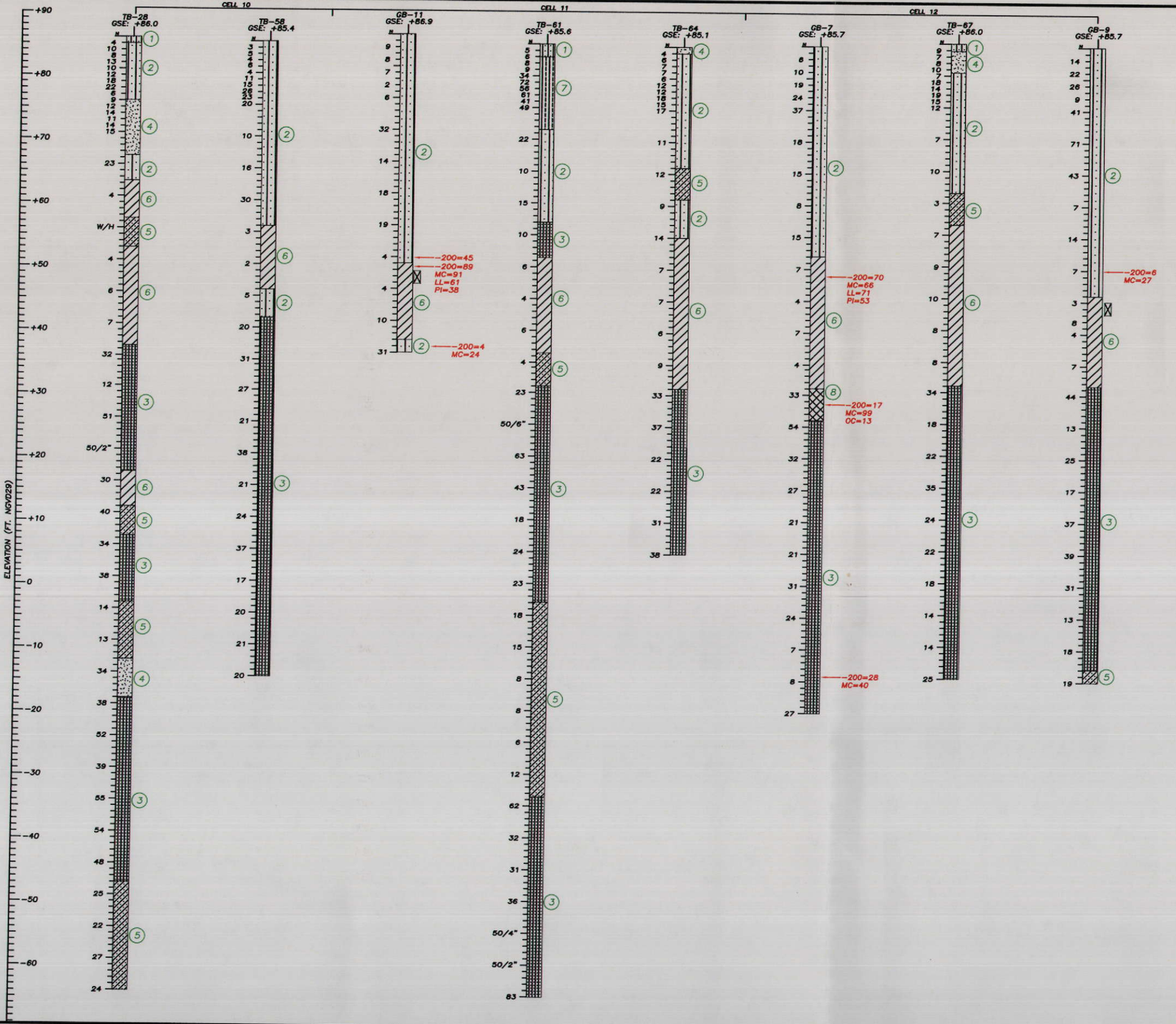
ORANGE COUNTY LANDFILL EXPANSION

GEOTECHNICAL ENGINEERING EVALUATION
PLAN VIEW WITH SPT BORING LOCATIONS
CELLS 10-12

SHEET SHEET-NO
DWG. NO. 02
SCALE: 1" = 1000'
PROJ. NO. 2560G

SCHEMATIC DESIGN

J:\DATA\D641\2560g\PLAN.dwg, 9/18/2007 2:35:54 PM, 1:2000



LEGEND

1. LIGHT TO DARK GRAY SLIGHTLY SILTY FINE SAND, TRACE ROOTS, TRACE ORGANICS (SP–SM)
2. LIGHT TO DARK BROWN AND GRAY SLIGHTLY SILTY TO SILTY FINE SAND (SP–SM)(SM)
3. BROWN SLIGHTLY SILTY TO SILTY FINE SAND, TRACE SHELL, PHOSPHATES AND OCCASIONAL CEMENTED SANDS (SP–SM)(SM)
4. BROWN AND GRAY FINE SAND (SP)
5. GREEN AND GRAY CLAYEY SAND TO SANDY CLAY (SC)(CL)
6. GREENISH–GRAY CLAY, TRACE SHELL, TRACE SAND (CH)
7. REDDISH–BROWN SLIGHTLY SILTY, LIGHTLY CEMENTED FINE SAND (HARDPAN) (SP–SM)
8. PEAT (PT)

	UNDISTURBED SAMPLE (SHELBY TUBE)
(SP)	UNIFIED SOIL CLASSIFICATION SYMBOL
N	STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
W/H	WEIGHT OF HAMMER
50/5"	NUMBER OF BLOWS FOR 5 INCHES OF PENETRATION
–200	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE (FM 1–T 088)
MC	PERCENT NATURAL MOISTURE CONTENT (FM 1–T 265)
LL	LIQUID LIMIT (FM 1–T 089)
PI	PLASTICITY INDEX (FM 1–T 090)
OC	PERCENT ORGANIC CONTENT (FM 1–T 267)

VERIFY SCALE

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ORANGE COUNTY LANDFILL EXPANSION

GEOTECHNICAL ENGINEERING EVALUATION
WEST PERIMETER PROFILE N-S
CELLS 10 -12

SHEET SHEET-NO
DWG. NO. 03
SCALE: AS SHOWN
PROJ. NO. 2560G

SCHEMATIC DESIGN

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LEGEND

1. LIGHT TO DARK GRAY SLIGHTLY SILTY FINE SAND, TRACE ROOTS, TRACE ORGANICS (SP–SM)
2. LIGHT TO DARK BROWN AND GRAY SLIGHTLY SILTY TO SILTY FINE SAND (SP–SM)(SM)
3. BROWN SLIGHTLY SILTY TO SILTY FINE SAND, TRACE SHELL, PHOSPHATES AND OCCASIONAL CEMENTED SANDS (SP–SM)(SM)
4. BROWN AND GRAY FINE SAND (SP)
5. GREEN AND GRAY CLAYEY SAND TO SANDY CLAY (SC)(CL)
6. GREENISH–GRAY CLAY, TRACE SHELL, TRACE SAND (CH)
7. REDDISH–BROWN SLIGHTLY SILTY, LIGHTLY CEMENTED FINE SAND (HARDPAN) (SP–SM)
8. PEAT (PT)

- UNDISTURBED SAMPLE (SHELBY TUBE)
- (SP) UNIFIED SOIL CLASSIFICATION SYMBOL
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- 50/5" NUMBER OF BLOWS FOR 5 INCHES OF PENETRATION
- -200 PERCENT PASSING NO. 200 U.S. STANDARD SIEVE (FM 1–T 088)
- MC PERCENT NATURAL MOISTURE CONTENT (FM 1–T 265)
- LL LIQUID LIMIT (FM 1–T 089)
- PI PLASTICITY INDEX (FM 1–T 090)
- OC PERCENT ORGANIC CONTENT (FM 1–T 267)
- NP DENOTES NON–PLASTIC

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CADD FILE NAME	D641\2560g\cells			

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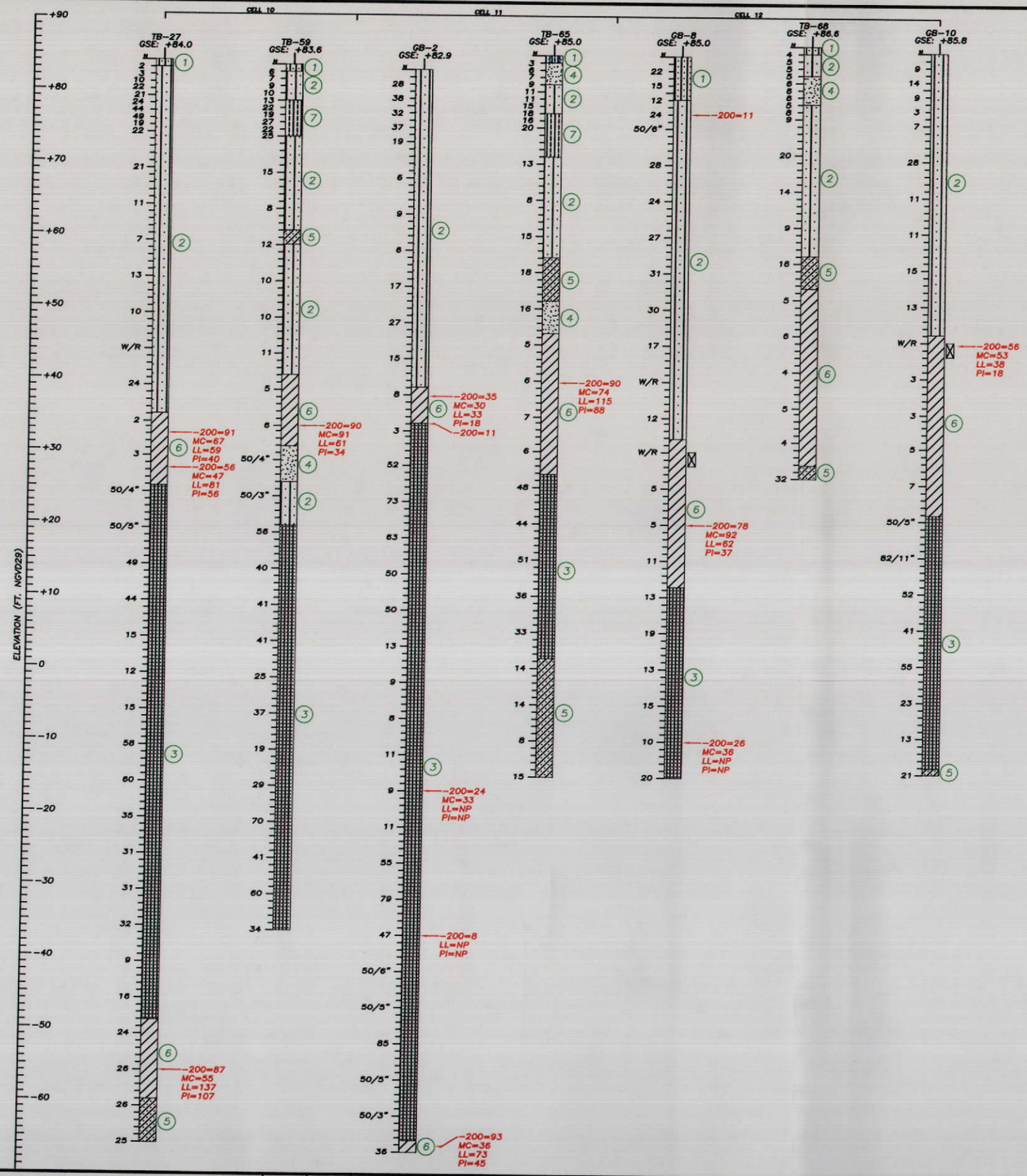
ORANGE COUNTY LANDFILL EXPANSION

GEOTECHNICAL ENGINEERING EVALUATION
CENTERLINE PROFILE N-S
CELLS 10 -12

SHEET SHEET-NO
DWG. NO. 04
SCALE: AS SHOWN
PROJ. NO. 2560G

SCHEMATIC DESIGN

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LEGEND

(1)	LIGHT TO DARK GRAY SLIGHTLY SILTY FINE SAND, TRACE ROOTS, TRACE ORGANICS (SP–SM)
(2)	LIGHT TO DARK BROWN AND GRAY SLIGHTLY SILTY TO SILTY FINE SAND (SP–SM)(SM)
(3)	BROWN SLIGHTLY SILTY TO SILTY FINE SAND, TRACE SHELL, PHOSPHATES AND OCCASIONAL CEMENTED SANDS (SP–SM)(SM)
(4)	BROWN AND GRAY FINE SAND (SP)
(5)	GREEN AND GRAY CLAYEY SAND TO SANDY CLAY (SC)(CL)
(6)	GREENISH–GRAY CLAY, TRACE SHELL, TRACE SAND (CH)
(7)	REDDISH–BROWN SLIGHTLY SILTY, LIGHTLY CEMENTED FINE SAND (HARDPAN) (SP–SM)
(8)	PEAT (PT)
	UNDISTURBED SAMPLE (SHELBY TUBE)
(SP)	UNIFIED SOIL CLASSIFICATION SYMBOL
N	STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
W/R	WEIGHT OF ROD
50/5"	NUMBER OF BLOWS FOR 5 INCHES OF PENETRATION
–200	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE (FM 1–T 088)
MC	PERCENT NATURAL MOISTURE CONTENT (FM 1–T 265)
LL	LIQUID LIMIT (FM 1–T 089)
PI	PLASTICITY INDEX (FM 1–T 090)
NP	DENOTES NON–PLASTIC

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NO.	BY	REVISIONS	DATE

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CHECKED	RFA	DATE	9-11-07	
APPROVED	MJP	DATE	9-11-07	
CADD FILE NAME	D641256Og\cells			

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ORLANDO, FLORIDA 32801
EB0000072

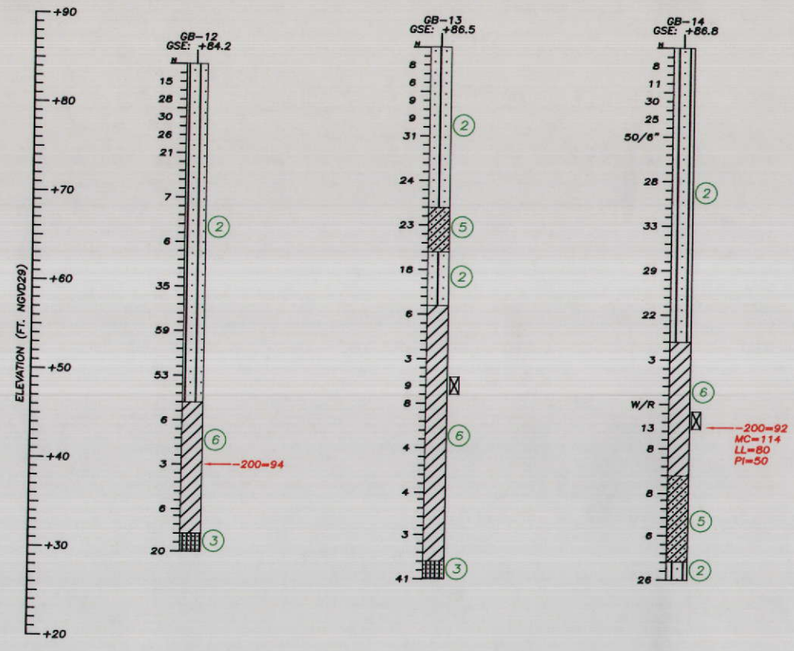
ORANGE COUNTY LANDFILL EXPANSION

GEOTECHNICAL ENGINEERING EVALUATION
EAST PERIMETER PROFILE N-S
CELLS 10 -12

SHEET SHEET-NO
DWG. NO. 05
SCALE: AS SHOWN
PROJ. NO. 256OG

J:\DATA\D641256Og\cells.dwg, 9/18/2007 3:04:10 PM, 1:20

SCHEMATIC DESIGN



LEGEND

(1)	LIGHT TO DARK GRAY SLIGHTLY SILTY FINE SAND, TRACE ROOTS, TRACE ORGANICS (SP–SM)
(2)	LIGHT TO DARK BROWN AND GRAY SLIGHTLY SILTY TO SILTY FINE SAND (SP–SM)(SM)
(3)	BROWN SLIGHTLY SILTY TO SILTY FINE SAND, TRACE SHELL, PHOSPHATES AND OCCASIONAL CEMENTED SANDS (SP–SM)(SM)
(4)	BROWN AND GRAY FINE SAND (SP)
(5)	GREEN AND GRAY CLAYEY SAND TO SANDY CLAY (SC)(CL)
(6)	GREENISH–GRAY CLAY, TRACE SHELL, TRACE SAND (CH)
(7)	REDDISH–BROWN SLIGHTLY SILTY, LIGHTLY CEMENTED FINE SAND (HARDPAN) (SP–SM)
(8)	PEAT (PT)
	UNDISTURBED SAMPLE (SHELBY TUBE)
(SP)	UNIFIED SOIL CLASSIFICATION SYMBOL
N	STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
W/R	WEIGHT OF ROD
50/5"	NUMBER OF BLOWS FOR 5 INCHES OF PENETRATION
-200	PERCENT PASSING NO. 200 U.S. STANDARD SIEVE (FM 1–T 088)
MC	PERCENT NATURAL MOISTURE CONTENT (FM 1–T 265)
LL	LIQUID LIMIT (FM 1–T 089)
PI	PLASTICITY INDEX (FM 1–T 090)

J:\DATA\D6412560g\cells.dwg, 9/18/2007 3:04:44 PM, 1:20

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ORANGE COUNTY LANDFILL EXPANSION

GEOTECHNICAL ENGINEERING EVALUATION
ADDITIONAL BORINGS
CELLS 10 -12

SHEET SHEET-NO

DWG. NO. 06

SCALE: AS SHOWN

PROJ. NO. 2560G