

C:\pwworking\hdm\38588\figure1.dwg, Plot: 3/17/2008 4:05:41 PM, gbae

HDR

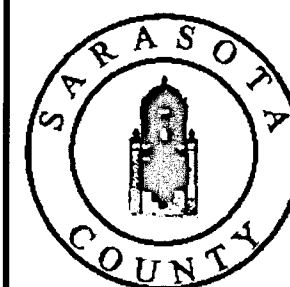
HDR Engineering, Inc.
2202 N. West Shore Blvd., Suite 250
Tampa, FL 33607-5755
(813) 282-2300
Florida Certificate of Authorization
No. 00004213

ISSUE	DATE	DESCRIPTION
E	03/2008	REVISED PER RAI #4
D	01/2008	REVISED PER RAI #3
C	09/2007	REVISED PER RAI #2
B	06/2007	REVISED PER RAI #1
A	02/2007	ISSUED FOR APPROVAL

PROJECT MANAGER	T.M. YANOSCHAK
REVIEWED BY	J.C. READING
DRAWN BY	L.E. PATTERSON
PROJECT NUMBER	001916-43485-018

Thomas M. Yanoschak
03/16/08

Thomas M. Yanoschak, P.E.
Certificate No. 44200



**Central County Solid Waste
Disposal Complex
PHASE II CLASS I LANDFILL
EXPANSION
PERMIT DRAWINGS**

FLORIDA

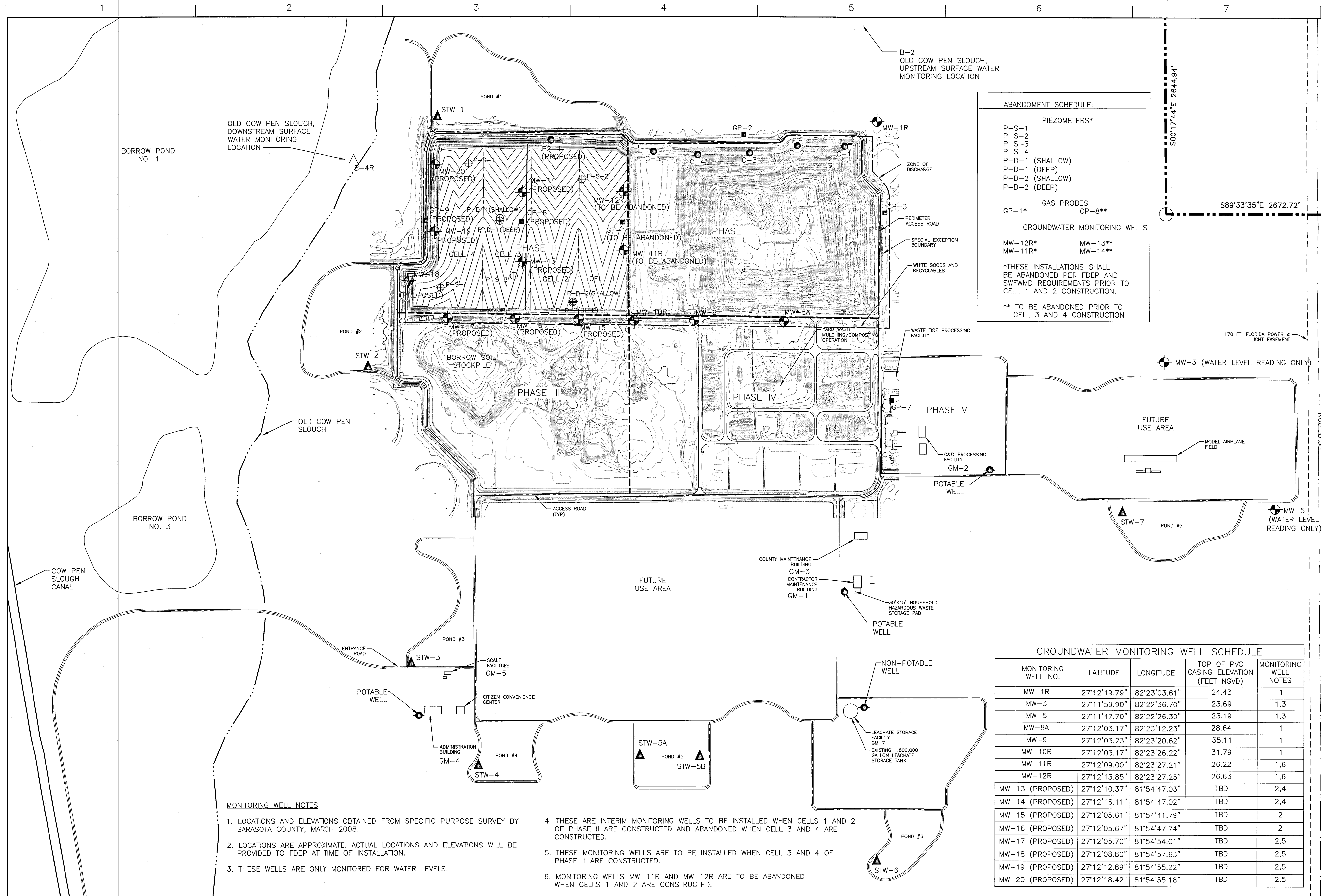
WATER QUALITY
MONITORING PLAN

**WATER QUALITY
MONITORING PLAN**

FILENAME: 00G-03.dwg
SCALE: 1"=400'

SHEET

FIGURE 1



ABANDONMENT SCHEDULE:

PIEZOMETERS*

P-S-1
P-S-2
P-S-3
P-S-4
P-D-1 (SHALLOW)
P-D-1 (DEEP)
P-D-2 (SHALLOW)
P-D-2 (DEEP)

GAS PROBES

GP-1* GP-8**

GROUNDWATER MONITORING WELLS

MW-12R* MW-13**
MW-11R* MW-14**

*THESE INSTALLATIONS SHALL
BE ABANDONED PER FDEP AND
SWFMD REQUIREMENTS PRIOR TO
CELL 1 AND 2 CONSTRUCTION.

** TO BE ABANDONED PRIOR TO
CELL 3 AND 4 CONSTRUCTION

SITE PLAN NOTES

- TOPOGRAPHY WITHIN PHASES I THROUGH IV AREAS COMPILED BY LANDAIR MAPPING, INC. OF PEACHTREE CITY, GEORGIA USING PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED JUNE 16, 2006.
- LOCATIONS OF EXISTING PIEZOMETERS, MONITORING WELLS AND STAFF GAUGES OBTAINED FROM SPECIFIC PURPOSE SURVEY BY SARASOTA COUNTY, MARCH 2008.
- APPROXIMATE LOCATION OF PHASE I LEACHATE FORCEMAIN OBTAINED FROM RECORD DRAWINGS BY CAMP DRESSER & MCKEE, INC. DATED APRIL 1998. VERIFY LOCATION IN FIELD.
- APPROXIMATE LOCATION OF LEACHATE FORCEMAIN TO OFFSITE WWTP OBTAINED FROM CONFORMED DRAWINGS BY PBS&J DATED JULY 2005. VERIFY LOCATION IN FIELD.

GAS PROBE NOTES

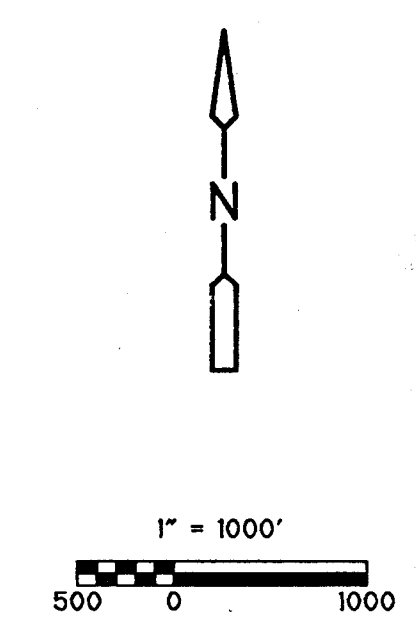
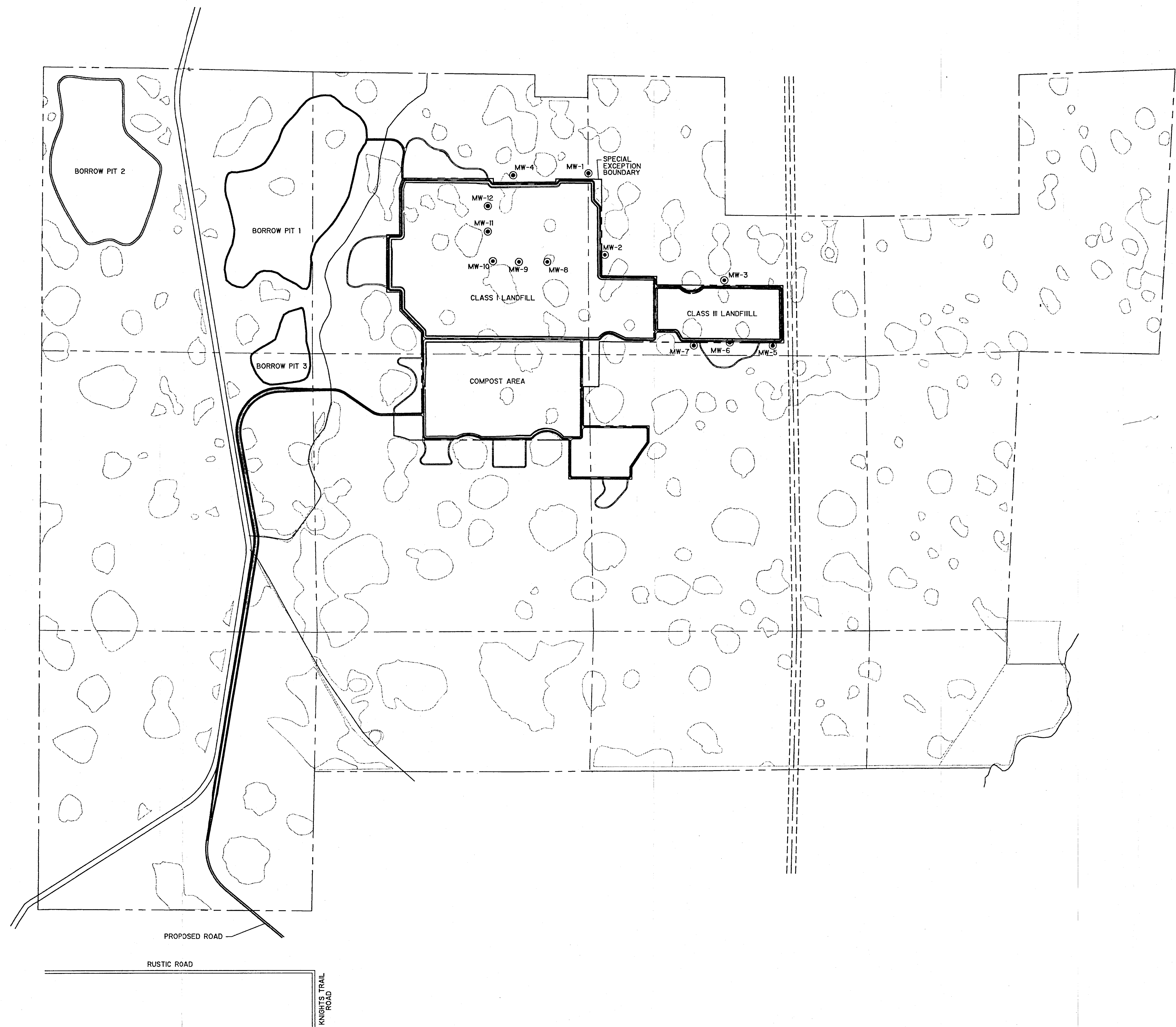
- GP-1 WILL BE ABANDONED AND GP-8 INSTALLED WHEN CELL 1 AND 2 CELL OF PHASE II ARE CONSTRUCTED
- GP-8 WILL BE ABANDONED AND GP-9 INSTALLED WHEN CELL 3 AND CELL 4 OF PHASE II ARE CONSTRUCTED.

LEGEND

- GP-1 GAS PROBE
- MW-10R GROUNDWATER MONITORING WELL
- GM-1 GAS MONITORING LOCATION
- WATER SUPPLY WELL
- P-S-1 PHASE II BORING/PIEZOMETER LOCATION
- STW-1 STORMWATER MONITORING STATION
- C-1 LEACHATE MONITORING LOCATION
- B-4R

- ZONE OF DISCHARGE
- WATERWAY
- LIMITS OF EASEMENT
- EASEMENT CENTERLINE
- EXISTING ROADWAY
- PHASE BOUNDARY
- PROPERTY BOUNDARY

**FOR
PERMITTING**



GROUNDWATER MONITOR WELLS		
WELL NO.	EASTING	NORTHING
MW-1	531,040	1,044,100
MW-2	531,359	1,042,538
MW-3	533,672	1,042,056
MW-4	529,590	1,044,063
MW-5	534,611	1,040,806
MW-6	533,777	1,040,866
MW-7	533,086	1,040,806
MW-8	530,251	1,042,401
MW-9	529,704	1,042,401
MW-10	529,202	1,042,414
MW-11	529,104	1,042,981
MW-12	529,104	1,043,469

RECEIVED
 FEB 03 1994
 Department of Environmental Protection
 BY _____
 SOUTHWEST DISTRICT

DESIGNED BY: J. BANKS DRAWN BY: J. BURNS SHEET CHK'D BY: T. WALKER CROSS CHK'D BY: APPROVED BY: DATE: JANUARY 1994					CAMP DRESSER & McKEE INC.  environmental engineers, scientists, planners, & management consultants		SARASOTA COUNTY SARASOTA, FLORIDA		LOCATION OF MONITOR WELLS		PROJECT NO. 9250-32 SHEET NO. C-1	
REV.	DATE	DRWN	CHKD	REMARKS								

CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX



STAFF GAUGES (ELEVATIONS AND LOCATIONS)					
STW-1	N 1044126.72	E 527537.34	EL.=21.187	60 D NAIL SET 3' MARK	
STW-2	N 1042008.01	E 526952.77	EL.=20.308	60 D NAIL SET 4' MARK	
STW-3	N 1039653.78	E 527396.81	EL.=20.191	60 D NAIL SET 4' MARK	
STW-4	N 1038672.76	E 527881.32	EL.=19.342	60 D NAIL SET 4' MARK	
STW-5A	N 1038658.45	E 529226.73	EL.=19.788	60 D NAIL SET 4' MARK	
STW-6	N 1037783.90	E 531210.63	EL.=19.37	60 D NAIL SET 4' MARK	
STW-7	N 1040817.21	E 533233.48	EL.=22.287	60 D NAIL SET 4' MARK	
STW-1A	N 1044638.2	E 527593.3	EL.=21.23	4' MARK ON GUAGE	
STW-2A	N 1042752.8	E 527136.9	EL.=20.18	5' MARK ON GUAGE	
STW-3A	N 1040490.5	E 527811.1	EL.=18.43	4' MARK ON GUAGE	
STW-4A	N 1038957.4	E 527929.6	EL.=17.35	4' MARK ON GUAGE	
STW-5B	N 1038968.0	E 529270.5	EL.=18.04	4' MARK ON GUAGE	
STW-6A	N 1038234.7	E 531387.7	EL.=17.67	5' MARK ON GUAGE	
STW-7A	N 1040822.1	E 534259.2	EL.=19.02	4' MARK ON GUAGE	

PIEZOMETER WELLS		
MW-3	N 1042067.983	E 533688.714 TOP OF CASING EL.=23.34
MW-5	N 1040813.096	E 534605.941 TOP OF CASING EL.=23.19

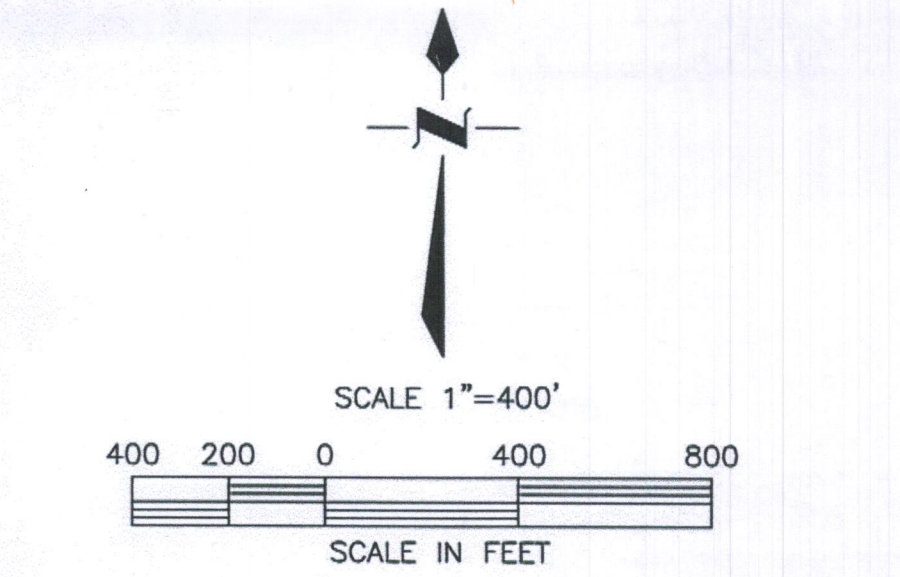
PIEZOMETER WELLS - PHASE II			
P-S-1	N 1043705.42	E 527802.40	TOP OF CASING EL.=25.85 GROUND SURFACE EL.=23.60
P-S-2	N 1043571.16	E 528757.83	TOP OF CASING EL.=26.457 GROUND SURFACE EL.=23.90
P-S-3	N 1042767.35	E 528184.29	TOP OF CASING EL.=26.267 GROUND SURFACE EL.=23.50
P-S-4	N 1042666.72	E 527569.21	TOP OF CASING EL.=26.003 GROUND SURFACE EL.=23.40
P-D-1(SHALLOW)	N 1043249.45	E 528067.17	TOP OF CASING EL.=26.487 GROUND SURFACE EL.=23.40
P-D-1(DEEP)	N 1043226.06	E 528066.10	TOP OF CASING EL.=26.237 GROUND SURFACE EL.=23.30
P-D-2(SHALLOW)	N 1042550.73	E 528685.63	TOP OF CASING EL.=26.114 GROUND SURFACE EL.=23.60
P-D-2(DEEP)	N 1042542.49	E 528679.04	TOP OF CASING EL.=25.804 GROUND SURFACE EL.=23.30

MONITORING WELLS			
MW-1R	N 1044063.44	E 531247.22	TOP OF CASING EL.=24.428
MW-8A	N 1042388.54	E 530463.57	TOP OF CASING EL.=28.637
MW-9	N 1042395.86	E 529706.24	TOP OF CASING EL.=35.112
MW-10R	N 1042392.39	E 529200.80	TOP OF CASING EL.=31.792
MW-15	N 1042404.8	E 528732.1	TOP OF CASING EL.=44.32
MW-16	N 1042410.6	E 528190.0	TOP OF CASING EL.=43.73
MW-17	N 1042438.9	E 527623.9	TOP OF CASING EL.=46.15
MW-18	N 1042718.8	E 527295.9	TOP OF CASING EL.=39.14
MW-19	N 1043132.8	E 527518.9	TOP OF CASING EL.=36.81
MW-20	N 1043727.6	E 527521.7	TOP OF CASING EL.=35.96

COMPLIANCE WELLS			
CW-8A	N 1042360.07	E 530431.31	TOP OF CASING EL.=26.132
CW-9	N 1042350.85	E 529649.78	TOP OF CASING EL.=26.582
CW-10R	N 1042345.39	E 529173.16	TOP OF CASING EL.=26.982

SURVEYOR'S NOTES

1. THIS IS NOT A BOUNDARY SURVEY.
2. ADDITIONS OR DELETIONS TO THE SURVEY MAP BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY.
3. ELEVATIONS ARE BASED ON SARASOTA COUNTY BENCHMARK NUMBER 363, ELEVATION BEING 15.261 FEET N.G.V.D. 1929.
4. THIS SPECIFIC PURPOSE SURVEY WAS PERFORMED TO SET TEMPORARY BENCHMARKS AND ELEVATIONS AT 7 STAFF GAUGES, 10 PIEZOMETER WELLS AND 10 MONITORING WELLS LYING WITHIN THE CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX LOCATED IN SECTIONS 2,3,10 & 11, TOWNSHIP 38 SOUTH, RANGE 18 EAST.



REVISION: REMOVED WELLS MW11-R, CW11-R & MW12-R. ADDED MW15, MW16, MW17, MW18, MW19, MW20 & STW-1A, STW-2A, STW-3A, STW-4A, STW-5B, STW-6A, STW-7A JRM 07-09-09

REVISION: UPDATED ELEVATION AND LOCATION ON MW-3 JRM 11-07-08

SARASOTA COUNTY SURVEY-MAPPING
PLANNING & DEVELOPMENT SERVICES BUSINESS CENTER
1301 CATTLEMEN ROAD BLDG. "E" SARASOTA, FLORIDA 34232
941/861-6802 • 941/861-6865 • FAX 941/861-6157

TERI S. OWEN, Professional Surveyor and Mapper No. 5928

7-9-09

ANY REPRODUCTION OF THIS MAP SHALL NOT BE "CERTIFIED A TRUE COPY" WITHOUT MY SIGNATURE AND DATE THEREOF IN INK, TOGETHER WITH MY EMBOSSED SEAL ON SAID COPY.

HEREBY CERTIFY THAT THIS MAP OF SURVEY REPRESENTS A SPECIFIC PURPOSE SURVEY OF THE LANDS AS SHOWN AND DESCRIBED HEREON, THAT THE SURVEY WAS RECENTLY PERFORMED UNDER MY DIRECTION, THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT THE SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 61G17, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

ABBREVIATION LEGEND

P.B. = PLAT BOOK
CONC. = CONCRETE
MON. = MONUMENT
R/W = RIGHT-OF-WAY
FND. = FOUND
(P) = PLAT
(M) = MEASURED
PS = PAGE
R.P.B. = ROAD PLAT BOOK
O.R.B. = OFFICIAL RECORDS BOOK

P.I.D. = PROPERTY IDENTIFICATION NO. = NUMBER
R.C.P. = REINFORCED CONCRETE PIPE
C.M.P. = CORRUGATED METAL PIPE
T.O.S. = TOP OF SLOPE
T.O.B. = TOP OF BANK
O.T. = OPEN TROUGH
F.P.L. = FLORIDA POWER & LIGHT
VER. = VERIZON
CATV = CABLE TELEVISION

N.A.D. = NAIL AND DISK
I.P. = IRON PIPE
L.P. = IRON ROD
E.P. = EDGE OF PAVEMENT
DR. = DRIVE
U/G. = UNDERGROUND
DRAIN. = DRAIN
TEMP. = TEMPORARY
EASEM. = EASEMENT
R. = RADIUS

SYMBOL LEGEND (SYMBOLS NOT DRAWN TO SCALE)

CONCRETE MONUMENT FOUND
IRON ROD & CAP FOUND
IRON ROD FOUND
IRON PIPE FOUND
NAIL & DISK FOUND
CHISEL CUT FOUND
RAILROAD SPIKE FOUND
BENCH MARK FOUND

UTILITY POLE
LIGHT POLE
GUY WIRE
MANHOLE
SERVICE BOX
CONTROL BOX
TRANSFORMER
BACKFLOW

VALVE
FIRE HYDRANT
METER

SPECIFIC PURPOSE SURVEY
CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX

PROJ. NO.: 08032
SEC: 2,3,10,11 TWP: 38 S. RGE: 19 E.
FIELD BOOK 496 PAGE 73-76
I:\PDSBC\SURVEY\Landfill_knights\Landfill_knights.dwg

DWG DATE: 3-18-08
FIELD DATE: 3-14-08
DRAWN BY: J.R.M.
CHECKED BY: T.O.

SHEET NO. 1 OF 1