

**Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
TDD Telephone 527-5303
email: landfillinfo@bocc.citrus.fl.us
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

39859

February 18, 2011

Mr. John Morris
Dept of Environmental Protection
13051 N Telecom Parkway
Temple Terrace, FL 33637-0926

Re: Citrus County Groundwater Monitoring Wells – Permit No. 21375-018-SO/01

Dear Mr. Morris:

The County's surveyor has updated the Landfills Monitoring Well information to include abandonment of MW-4-R October 22, 2010 and installation of MW-20 January 20, 2011 and MW-21 January 11, 2011.

A signed sealed Survey is enclosed for your records.

If you should need additional information, please let me know.

Sincerely,

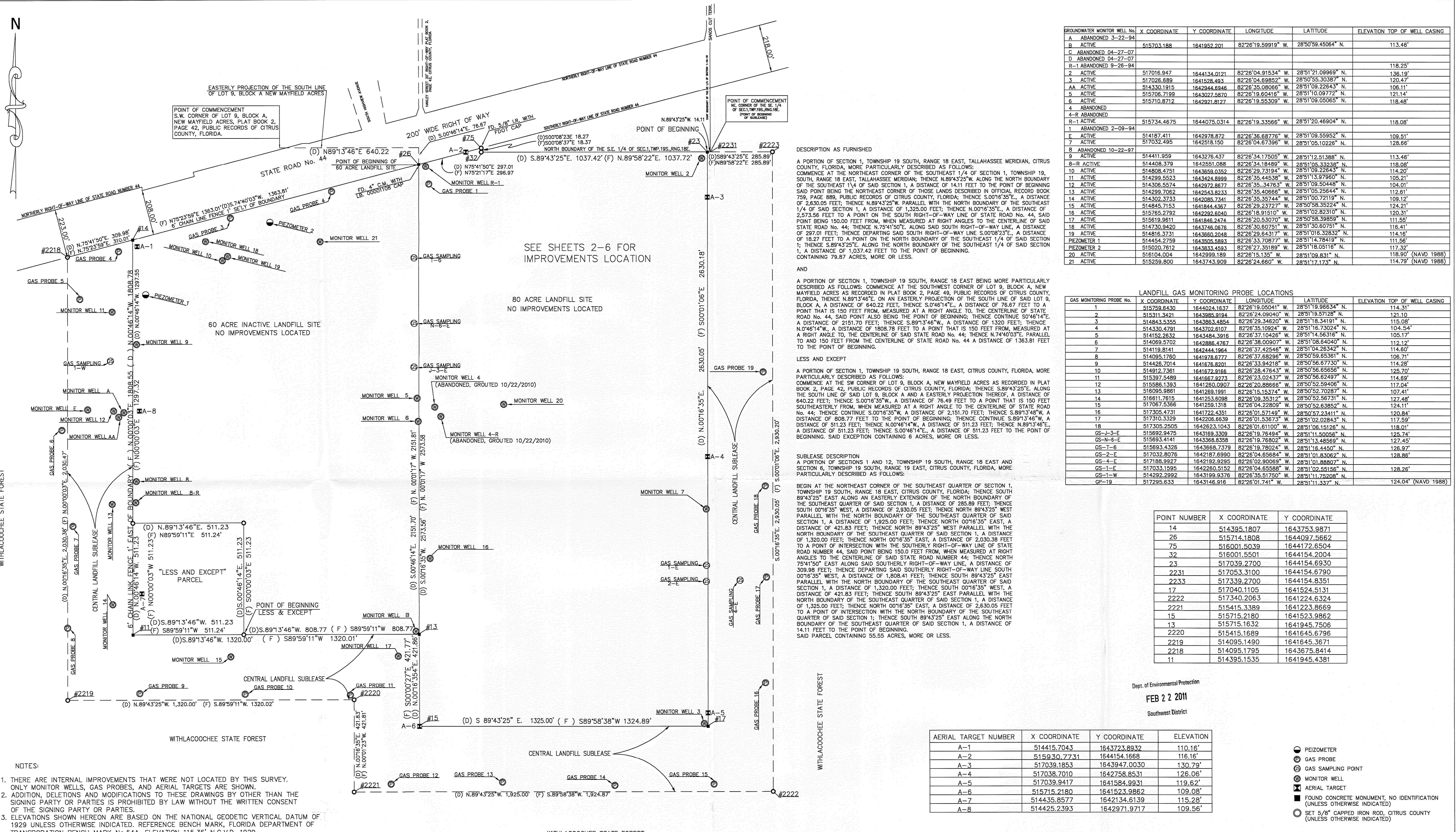
Dept. of Environmental Protection

T. Casey Stephens
Director, Citrus County
Division of Solid Waste Mgt

FEB 22 2011

Southwest District

CC: Chris Kuzler, King Engineering with attachment
Ken Guilbeault, SCS Engineers with attachment
David Rojas, Camp Dresser & McKee with attachment
Troy Hays, Jones Edmunds & Associates with attachment



- NOTES:
1. THERE ARE INTERNAL IMPROVEMENTS THAT WERE NOT LOCATED BY THIS SURVEY. ONLY MONITOR WELLS, GAS PROBES, AND AERIAL TARGETS ARE SHOWN.
 2. ADDITION, DELETIONS AND MODIFICATIONS TO THESE DRAWINGS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED BY LAW WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
 3. ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 UNLESS OTHERWISE INDICATED. REFERENCE BENCH MARK, FLORIDA DEPARTMENT OF TRANSPORTATION BENCH MARK No.54A, ELEVATION 115.36' N.G.V.D. 1929.
 4. THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A TITLE REPORT OR TITLE ABSTRACT AND THEREFORE MAY NOT NECESSARILY SHOW ALL RIGHTS-OF-WAY, EASEMENTS OR OTHER ENCUMBRANCES OF RECORD.
 5. BEARINGS SHOWN HEREON ARE BASED ON THE NORTH BOUNDARY OF THE SE 1/4 OF SECTION 1, TOWNSHIP 18 SOUTH, RANGE 18 EAST HAVING AN ASSUMED BEARING OF N.89°58'22"E.
 6. "X-Y" COORDINATES SHOWN ON TABLES REFLECT FLORIDA STATE PLANE, WEST ZONE, NORTH AMERICAN DATUM OF 1983. THESE COORDINATES TOGETHER WITH ELEVATIONS SHOWN RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988 ARE BASED ON NATIONAL GEODETIC SURVEY CONTROL STATIONS "CITRUS 13" AND "CITRUS 14", AND WERE DERIVED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEMS, WITH AN ESTIMATED ACCURACY OF ±0.07'.
 7. CONVERSION FROM NCGVD 1929 TO NAVD 1988 FOR THIS SITE IS -0.84'.

GROUNDWATER MONITOR WELL No.	X COORDINATE	Y COORDINATE	LONGITUDE	LATITUDE	ELEVATION TOP OF WELL CASING
A ABANDONED 3-22-94					
B ACTIVE	51703.188	1641952.201	82°26'19.59919" W	28°50'59.45064" N	113.46'
C ABANDONED 04-27-07					
D ABANDONED 04-27-07					
R-1 ABANDONED 9-28-94					118.25'
1 ACTIVE	517016.947	1644134.0121	82°26'04.91534" W	28°51'21.09969" N	136.18'
2 ACTIVE	517026.689	1641528.493	82°26'04.69852" W	28°50'55.30387" N	126.17'
AA ACTIVE	514330.1915	1642944.6946	82°26'35.08066" W	28°51'09.22643" N	106.11'
5 ACTIVE	515706.7199	1643027.5870	82°26'19.60416" W	28°51'10.09772" N	121.14'
6 ACTIVE	515710.8712	1642921.8127	82°26'19.55309" W	28°51'09.05065" N	118.48'
4 ABANDONED					
4-R ABANDONED					
1-A ACTIVE	515734.4675	1644075.0314	82°26'19.33566" W	28°51'20.46904" N	118.08'
E ABANDONED 2-09-94					
1 ACTIVE	514187.411	1642978.872	82°26'36.68776" W	28°51'09.55852" N	109.51'
7 ACTIVE	517032.495	1642518.150	82°26'04.67396" W	28°51'05.10226" N	128.66'
8 ABANDONED 10-22-97					
9 ACTIVE	514411.959	1643278.437	82°26'34.17905" W	28°51'12.51368" N	113.46'
8-R ACTIVE	514408.379	1642551.088	82°26'34.18489" W	28°51'06.33939" N	118.08'
10 ACTIVE	514808.4751	1643650.0352	82°26'29.73194" W	28°51'08.22643" N	114.20'
11 ACTIVE	514299.5523	1643424.8989	82°26'35.44538" W	28°51'13.97960" N	105.21'
12 ACTIVE	514306.5574	1642972.8677	82°26'35.34763" W	28°51'09.50448" N	104.01'
13 ACTIVE	514299.7062	1642543.8233	82°26'35.40666" W	28°51'05.25644" N	112.61'
14 ACTIVE	514302.3733	1642085.7341	82°26'35.35744" W	28°51'00.72119" N	109.12'
15 ACTIVE	514845.7153	1641844.4367	82°26'29.23727" W	28°50'58.35224" N	124.21'
16 ACTIVE	515755.2792	1642292.8040	82°26'18.91610" W	28°51'02.83710" N	120.31'
17 ACTIVE	515619.9611	1641849.2474	82°26'20.53070" W	28°50'58.39859" N	111.55'
18 ACTIVE	514730.9420	1643746.0676	82°26'30.60751" W	28°51'03.60751" N	116.41'
19 ACTIVE	514816.3731	1643660.2048	82°26'30.64317" W	28°51'06.32832" N	114.16'
PIEZOMETER 1	514454.2759	1643505.5893	82°26'33.70877" W	28°51'14.78419" N	111.56'
PIEZOMETER 2	515020.7612	1643833.4593	82°26'27.35189" W	28°51'18.05116" N	117.32'
20 ACTIVE	516104.004	1642999.189	82°26'15.135" W	28°51'09.831" N	118.90' (NAVD 1988)
21 ACTIVE	515259.800	1643743.909	82°26'24.660" W	28°51'17.173" N	114.79' (NAVD 1988)

LANDFILL GAS MONITORING PROBE No.	X COORDINATE	Y COORDINATE	LONGITUDE	LATITUDE	ELEVATION TOP OF WELL CASING
1	515759.6430	1644024.1637	82°26'19.05041" W	28°51'19.96634" N	114.31'
2	515311.3421	1643985.8194	82°26'24.09040" W	28°51'19.57128" N	121.10'
3	514843.5355	1643863.4854	82°26'29.34620" W	28°51'18.34191" N	115.08'
4	514330.4791	1643702.8107	82°26'35.10924" W	28°51'16.73024" N	104.54'
5	514152.2612	1643484.3916	82°26'37.10428" W	28°51'14.56316" N	105.17'
6	514069.5702	1642884.4787	82°26'38.00507" W	28°51'08.64040" N	112.12'
7	514119.8141	1642444.1964	82°26'37.42546" W	28°51'04.26342" N	114.60'
8	514095.1760	1641978.6777	82°26'37.68296" W	28°50'59.65361" N	106.71'
9	514426.7014	1641676.8201	82°26'33.94218" W	28°50'56.67730" N	114.28'
10	514912.7361	1641672.9166	82°26'28.47643" W	28°50'56.65656" N	125.70'
11	515397.5489	1641667.9273	82°26'23.02437" W	28°50'56.62497" N	114.89'
12	515586.1393	1641663.0277	82°26'20.88868" W	28°50'52.59406" N	117.04'
13	516095.9861	1641269.1991	82°26'15.15374" W	28°50'52.70287" N	107.41'
14	516611.7615	1641253.6098	82°26'09.35312" W	28°50'52.56731" N	127.48'
15	517067.5366	1641259.1318	82°26'04.22809" W	28°50'52.63852" N	124.11'
16	517305.4731	1641722.4351	82°26'01.57149" W	28°50'57.23411" N	120.84'
17	517310.3329	1642206.6639	82°26'01.53673" W	28°51'02.02843" N	117.59'
18	517305.2205	1642623.1043	82°26'01.61100" W	28°51'06.15128" N	118.01'
GS-J-3-E	515992.9475	1643169.3309	82°26'19.76494" W	28°51'11.40068" N	125.74'
GS-N-6-E	515693.4141	1643368.8358	82°26'19.76802" W	28°51'13.48969" N	127.45'
GS-T-6	515693.4326	1643668.7379	82°26'19.78024" W	28°51'16.44500" N	126.97'
GS-2-E	517032.8076	1642187.6990	82°26'04.65684" W	28°51'01.83062" N	128.86'
GS-4-E	517188.9927	1642192.9295	82°26'02.90069" W	28°51'01.88807" N	
GS-1-E	517033.1595	1642260.3152	82°26'04.65588" W	28°51'02.55156" N	128.26'
GS-1-W	514292.2992	1643199.9376	82°26'35.51750" W	28°51'11.75208" N	
GP-19	517295.633	1643146.916	82°26'01.741" W	28°51'11.337" N	124.04' (NAVD 1988)

POINT NUMBER	X COORDINATE	Y COORDINATE
14	514395.1807	1643753.9871
26	515714.1808	1644097.5662
75	516001.5039	1644172.6504
32	516001.5501	1644154.2004
23	517039.2700	1644154.6930
2231	517053.3100	1644154.6790
2233	517339.2700	1644154.8351
17	517040.1105	1641524.5131
2222	517340.2063	1641224.6324
2221	515415.3389	1641223.8669
13	515715.2180	1641523.9862
15	515715.1632	1641945.7506
2220	515415.1689	1641645.6796
2219	514095.1490	1641645.3671
2218	514095.1795	1643675.8414
11	514395.1535	1641945.4381

AERIAL TARGET NUMBER	X COORDINATE	Y COORDINATE	ELEVATION
A-1	514415.7043	1643723.8932	110.16'
A-2	515930.7731	1644154.1668	116.16'
A-3	517039.1853	1643947.0030	130.79'
A-4	517038.7010	1642758.8531	126.06'
A-5	517039.9417	1641584.9931	119.62'
A-6	515715.2180	1641523.9862	109.08'
A-7	514435.8577	1642134.6139	115.28'
A-8	514425.2393	1642971.9717	109.56'

JOB No. 11-001
 PROJ. No. 11-461
 DRAWN BY: FLH
 DWG. No. 00-149WellsOnly
 MAP DATE: 02/10/2011
 SCALE: 1" = 200'
 SHEET No. 1 OF 1
 FIELD DATE: 01/27/2011
 FC2500 FILE: MW_01272011
 SEC. 01, TWP. 19 S, RNG 18 E

BOUNDARY SURVEY

Citrus County

Division of Engineering Survey Section

3600 WEST SOVEREIGN PATH, SUITE 241
 LECANTO, FLORIDA. 34461
 (352) 527-5498 FAX (352) 527-5476

I hereby certify that this map is a true and accurate depiction of a survey performed for Citrus County, Florida under my supervision and direction and that it meets the minimum technical requirements for boundary surveys as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J-17, Florida Administrative Code, pursuant to Chapter 472.027, Florida Statutes.

Francis L. Hurt, PSM
 Florida Registration No. 4635
 Date: 2/20/2011

Not valid without the original raised seal and signature of a Florida licensed Surveyor.