FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803-3767

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

July 26, 2013

NOTICE OF PERMIT

By-Email
Aws97@aol.com

In the matter of an
Application for Permit
By:

Mr. Gerald Lourenco
Friends Recycling, LLC
2350 NW 27th Avenue
Ocala, Florida 34475

OCD-SW-13-2469

Marion County – SW WACS # 21012
Friends Recycling, LLC – C&D Disposal and Recycling Facility
DEP File No. 0019600-008-SO-24

Dear Mr. Lourenco:

Enclosed is Permit Number 0019600-008-SO-24 to continue operation of the Friends Recycling, LLC, C&D Disposal and Recycling Facility, issued under Sections 403.061(14) and 403.707, of the Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit under section 120.68 of the Florida Statutes, by the filing of a Notice of Appeal under rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

F. Thomas Lubozynski, P.E.
for Jeff Prather
Director, Central District

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

July 26, 2013
Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were sent before the close of business on July 26, 2013 to the listed persons.

Clerk

JP/ftl/kr

Enclosures
1. Permit No. 0019600-008-SO-24

Copies furnished to:
Richard Tedder, P.E. – DEP – Tallahassee, Richard.Tedder@dep.state.fl.us
FDEP Solid Waste Financial Coordinator, solid.waste.financial.coordinator@dep.state.fl.us
Reggie Phillips – DEP, Central District, reggie.phillips@dep.state.fl.us
Gloria DePradine – DEP, Central District, Gloria.depradine@dep.state.fl.us
Marjorie Heidorn – DEP, Central District, Marjorie.heidorn@dep.state.fl.us
Juan C. Guerra, P.E. – Guerra Development Corp., guerracorp@att.net
Ms. Ruth Reed, certified mail to: Post Office. Box 6548, Ocala FL 34478 (91 7199 9991 7030 9056 2280)
Ms. Catherine Cameron, City of Ocala, CCameron@Ocalafl.org
Matt Brower, City of Ocala, mbrower@ocalafl.org

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CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803-3767

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Permit Issued to:

Friends Recycling, LLC
2350 NW 27th Avenue
Ocala, Florida
(352) 266-9497

WACS Facility ID No.: 21012
Friends Recycling, LLC – C&D Disposal and Recycling Facility
2350 NW 27th Avenue
Ocala, Marion County, Florida

Contact Person:
Gerald Lourenco
Aws97@aol.com

Solid Waste Operation Permit – C&D Debris Disposal with Recycling
Permit No.: 0019600-008-SO-24

Permit Issued: 07/26/2013
Permit Renewal Application Due Date: 04/19/2023
Permit Expires: 06/19/2023

Permitting Authority
Florida Department of Environmental Protection
Central District Office
3319 Maguire Blvd., Ste 232
Orlando, Florida 32803
407-897-4100
DEP_CD@dep.state.fl.us

SECTION 1 - SUMMARY INFORMATION

A. Authorization

The permittee is hereby authorized to operate the facility described below in accordance with the specific and general conditions of this permit and any documents attached to this permit or specifically referenced in this permit and made a part of this permit.

This solid waste operation permit is issued under the provisions of Chapter 403, Florida Statutes, Florida Administrative Code Chapters 62-4 and 62-701.

This permit does not relieve the permittee from complying with any other appropriate local zoning or land use ordinances or with any other laws, rules or ordinances. Receipt of any permits from the Department does not relieve the applicant from obtaining other federal, state, and local permits and/or modifications required by law, including those from other Sections within the Department or of the Water Management District.

B. Facility Location

The facility is located at 2350 NW 27th Avenue, Ocala, in Section 2, Township 15 South, Range 21 East, in Marion County, Florida (Latitude 29° 12’ 42.02” and Longitude 82° 10’ 7.01”).

C. Facility Description

The permittee is hereby authorized to perform the following operations:

- To operate the Friends Recycling, LLC, C&D Disposal and Recycling Facility. The facility accepts only construction and demolition (C&D) debris and serves the Ocala area.

- The facility encompasses approximately 56.65 acres. This was recently decreased from 57.2 acres due to a land dedication made by Friends Recycling, LLC to the City of Ocala for the right-of-way for an existing city street.

- The C&D disposal area is 26.8 acres. The disposal area is broken into cells as depicted on sheet 2 of 7, Cell Layout (ATTACHMENT 2). Because of potable well setbacks, portions of the disposal area may only receive clean debris. The size of each cell is as follows and may accept only the following waste type.
    - Cell 1A is 14.1 acres and is authorized to receive C&D debris.
    - Cell 1B is 0.4 acres and may only accept clean debris after receiving authorization from the Department.
    - Cell 2A is 7.0 acres and a 1.36 acre section has been authorized to receive C&D debris (August 17, 2011) and a 2.77 acre section has been authorized to receive

C&D debris (March 3, 2009). The remaining 2.87 acres may accept C&D debris after receiving authorization from the Department.
  - Cell 2B is 4.4 acres and may only accept clean debris after receiving authorization from the Department.
  - Cell 2C is 0.9 acres and may only accept clean debris after receiving authorization from the Department.

- The facility receives C&D debris and removes recyclable materials from the waste stream at the working face. The recyclable materials recovered include: untreated lumber, concrete, metals, plastics, etc.

- The Department considers the permitted disposal area as of January 6, 2010 to be the area bounded by the "boundary of approved cell" as shown on Sheet 2 of 7, Cell Layout (ATTACHMENT 2). Although this permitted area is not subject to Rule 62-701.730(4)(h), F.A.C., which states in part that waste must not be disposed closer than 100 feet of the property line, the facility shall meet the setback requirements as stated in specific condition Section 2.B.2 below.

- The Department considers the permitted disposal area as of July 1, 2010 to be the area bounded by the "boundary of approved cell" as shown on Sheet 2 of 7, Cell Layout (ATTACHMENT 2). Any lateral expansion outside of this area is to be lined as required by Florida Statute 403.707(9)(b).

- The project incorporates an approved groundwater monitoring plan.

D. Appendices Made Part of This Permit

APPENDIX 1 - General Conditions

APPENDIX 2 – List of Documents Incorporated into this Permit

APPENDIX 3 – Water Quality Monitoring Plan

E. Attachments for Informational Purposes Only

ATTACHMENT 1 - Time Sensitive Action Chart
If any of the time deadlines in the Time Sensitive Action Chart are inconsistent with the time deadlines in the permit conditions, the time deadline in the permit condition shall be followed.

ATTACHMENT 2 – Cell Layout, sheet 2 of 7

SECTION 2 - SPECIFIC CONDITIONS

A. Administrative Requirements

1. Documents Part of This Permit. The permit application **as revised in final form replaced or amended** in response to the Department's Request(s) for Additional Information are contained in the Department's files and are made a part of this permit. Those documents that make up the complete permit application are listed in APPENDIX 2.

2. Permit Modification. Any change to construction, operation, monitoring, or closure requirements of this permit may require a modification to this permit, in accordance with the provisions of Rule 62-701.320(4), F.A.C.

3. Permit Renewal. In order to ensure uninterrupted operation of this facility, a timely and sufficient permit renewal application must be submitted to the Department in accordance with Rule 62-701.320(10), F.A.C. A permit application submitted at least 61 days prior to the expiration of this permit is considered timely and sufficient.

4. Transfer of Permit or Name Change. In accordance with Rule 62-701.320(11), F.A.C., the Department must be notified by submitting Form 62-701.900(8) within 30 days: (a) of any sale or conveyance of the facility; (b) if a new or different person takes ownership or control of the facility; or (c) if the facility name or permittee’s legal name is changed.

5. Permit Fees. The total permit fee required for this 10 year permit is $2,000. The applicant has elected to pay this fee in full and submitted a fee of $2,000 with the application.

6. 5 Year Submittal Report. No later than June 19, 2018, the permittee shall submit a report to the Department that contains the following:
   a. A revised closure cost estimate, made by recalculating the total cost of closure or long-term care, in current dollars.
   b. Appendix I Analysis. All background and detection wells shall be sampled and analyzed for those parameters listed in paragraph 62-701.510(7)(a), F.A.C., as well as sulfate and aluminum.
   c. An updated operation plan.
   d. An updated site plan or topographic survey if current conditions at the facility are not reflected in the existing plan.

B. Construction Requirements

1. Construction authorized. This permit does not authorize any construction activities.

2. Setback Requirement. The disposal area shall have a 50-foot setback along the southern border and a 100-foot setback along the western border of Cell 2. The setback is from the property line to the edge of the waste or clean debris, whichever is applicable.

3. Cell Bottom Elevation. Cells prepped for disposal may be excavated to a depth not lower than elevation 64.0 feet NGVD 1929. Care is to be exercised during excavation to ensure that excavation does not breach any clay layer above the Floridan aquifer. Prior to further excavation and cell preparation, a construction permit must be obtained from the Department.

4.

C. Operation Requirements

1. General Operating Requirements. The permittee shall operate the facility in accordance with the approved Operation Plan. The Department shall be notified before any changes, other than minor deviations, to the approved Operation Plan are implemented in order to determine whether a permit modification is required.

2. Operation Plan. A copy of the approved Operation Plan, as defined in paragraph 62-701.730(7)(a), F.A.C., shall be kept at the facility and shall be accessible to the facility operators.

3. Authorized Waste Types. The facility is authorized to dispose of only construction and demolition debris and clean debris..

4. Unauthorized Waste Types. The facility is not authorized to accept, process or dispose any waste types not listed in C.3. above. . Any unauthorized waste inadvertently received by the facility shall be managed in accordance with the approved Operation Plan. Putrescible waste shall be removed for disposal within 48 hours.

5. Removal of C&D Debris From Cells 1B, 2B, 2C. Because of potable well setbacks, portions of the disposal area may only received clean debris. The historical C&D waste already present in these areas will be handled as follows:
   a. Cell 1B: Existing C&D debris shall be removed and disposed into Cell 1A within a 90-day time period after notification from the Department. The Department's decision regarding the need for removal of the waste will depend upon the groundwater quality results of MW #7.
   b. Cell 2B: Existing C&D debris shall be removed within 9 months after notification from the Department. The Department's decision regarding the need for removal of the waste will depend upon the groundwater quality results of MW #6. If the C&D waste removal will not be completed on time, the permittee must provide the Department advance written notice of the cause and delay, and request an extension for completion of the project.
   c. Cell 2C: Existing C&D debris shall be removed and disposed into Cell 1A within a 90-day time period after notification from the Department. The Department's decision regarding the need for removal of the waste will depend upon the groundwater quality results of MW #7.

6. Delineation of Limits of Waste and Clean Debris. Permanent markers shall remain in place to clearly define the limits of C&D disposal and clean debris disposal. The markers shall be visible and easily identifiable to operational personnel and regulatory inspectors (reference Cell Layout, sheet 2 of 7 ATTACHMENT 2).

7. Contingency Plan and Notification of Emergencies. The permittee shall notify the Department in accordance with the approved Contingency Plan. Notification shall be made to the Solid Waste Section of DEP's Central District Office at (407) 897-4100.

8. Housekeeping. The facility shall be operated to control dust, vectors, litter and objectionable odors. The owner or operator shall comply with the odor remediation plan in Section 2, Part E.

9. Spotters and Operators. This facility shall have the minimum number of spotters present when waste is accepted as specified in the operation plan, to be located as specified in the operation plan. A trained operator shall be on duty at the facility at all times the facility is operating. Approved training courses can be found at the following web site: http://www.treeo.ufl.edu/sw/.

10. Annual Report Requirements. The permittee shall submit an annual report to the Department on Form 62-701.900(7). This report shall include a summary of the amounts and types of wastes disposed of or recycled. The county of origin of materials that are recycled, or a statement that the county of origin is unknown, shall be included in the

report. The report shall be submitted no later than February 1 of each year and shall cover the preceding calendar year.

11. Hazardous Waste. If any regulated hazardous wastes are discovered to be deposited at the facility, the facility operator shall promptly notify the Department, the person responsible for shipping the wastes to the facility, and the generator of the wastes, if known. The area where the wastes are deposited shall immediately be cordoned off from public access. If the generator or hauler cannot be identified, the facility operator shall assure the cleanup, transportation, and disposal of the waste at a permitted hazardous waste management facility. In the event that hazardous wastes are discovered they shall be managed in accordance with the procedures provided in facility Operation Plan.

12. Stormwater. Leachate shall not be discharged into the stormwater management system. Stormwater or other surface water which comes into contact with or mixes with the solid waste or leachate shall be considered leachate and is subject to the requirements of Rule 62-701.500(8), F.A.C.

13. Disposal Facility Elevation. The final (maximum) elevation of the disposal facility, shall not exceed 130 feet NGVD 1929 as shown on Sheet 3 of 7, Closure & Grading Plan (reference 1, APPENDIX 2).

14. Waste Management and Handling
    a. Solid waste shall be formed into cells to construct horizontal lifts. The working face of the cell, and side grades above land surface, shall be at a slope no greater than three feet horizontal to one-foot vertical rise. Lift depth shall be no greater than ten feet.
    b. No solid waste shall be disposed of outside of the permitted footprint of the solid waste disposal units.
    c. The sequence of waste filling shall be as specified in the approved operation plan.

15. Recycling Facility Operating Requirements Recyclable materials are pulled from the waste stream at the working face and segregated for recycling per the Operation Plan.

D. Water Quality Monitoring Requirements

1. Zone of Discharge. The zone of discharge for the facility shall be defined in the horizontal plane as extending 100 feet from the edge of the solid waste deposit, or to the property boundary, whichever is less. The zone of discharge for the facility shall be defined in the vertical plane as extending to the bottom of the casing in each monitoring well. Class G-II water quality standards must be met at the boundary of the zone of discharge in accordance with Rule 62-522.410, F.A.C.

2. Electronic Reporting. Required water quality monitoring reports and all ground water analytical results shall be submitted electronically. Water quality monitoring reports shall be submitted in Adobe pdf format. The water quality data Electronic Data Deliverable (EDD) shall be provided to the Department in an electronic format consistent

with requirements for importing the data into the Department's databases. Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations and shall include the following:

a. Cover letter;
b. Summary of exceedances and sampling problems, if any (e.g., variation from SOP field criteria);
c. Conclusions and recommendations;
d. Ground water contour maps;
e. Chain of custody forms;
f. Water levels, water elevation table;
g. Ground Water Monitoring Report Certification, using the appropriate Department form;
h. Appropriate sampling information on Form FD 9000-24 (DEP-SOP-001/01); and,
i. Laboratory and Field EDDs and error logs, as applicable.

All submittals in response to this specific condition shall be sent to the District Office and to:

Florida Department of Environmental Protection
Solid Waste Section, MS 4565
2600 Blair Stone Road
Tallahassee, Florida, 32399-2400

3. Water Quality Monitoring Plan. The Water Quality Monitoring Plan Implementation Schedule (MPIS) for this permit is included in APPENDIX 3.

E. Odor Remediation Plan

1. Odor Remediation Plan. Phase I of the Odor Management Plan (reference 3, APPENDIX 2) shall be initiated upon the issued date of this permit. The plan shall be revised or updated as necessary as approved by the Department. **A quarterly report shall be submitted to the Department no later than the 15th day of the following month.** The report will include the following:
    a. A summary of odor complaints received by the facility including date, time, and location of the complaint.
    b. A summary of actions taken to confirm the odor complaint (if applicable).
    c. A summary of actions taken to mitigate the odor complaint (if applicable).
    d. Copies of correspondence sent from the facility to the complainant addressing their concerns and actions taken to mitigate the source of odor (if applicable).

F. Financial Assurance and Cost Estimates

1. Financial Assurance Mechanism. The permittee shall maintain, in good standing, the financial assurance mechanisms established to demonstrate proof of financial assurance. Supporting documentation and evidence of increases associated with cost estimate increases shall be submitted within the time frames specified in Rule 62-701.630, F.A.C.

   All submittals in response to this specific condition shall be sent to:
   Florida Department of Environmental Protection
   Financial Coordinator - Solid Waste Section
   2600 Blair Stone Road, MS 4565
   Tallahassee, Florida 32399-2400

2. Cost Estimates.
   a. The permittee shall submit closure cost estimates, including annual adjustments for inflation, in accordance with the requirements of Rule 62-701.630(3) and (4), F.A.C., and 40 CFR Part 264.142(a) and .144(a) using Form 62-701.900(28).
   b. An owner or operator using a letter of credit, guarantee bond, performance bond, financial test, corporate guarantee, trust fund or insurance shall submit the inflation adjusted cost estimate(s) between January 1 and March 1.
   c. All submittals in response to this specific condition shall be sent to the Central District Office (DEP_CD@dep.state.fl.us) and a copy to the address identified in Specific Condition F.1. or to the following email address: Solid.Waste.Financial.Coordinator@dep.state.fl.us.
   d. The closure cost estimate must include the cost of relocating the C&D waste from Cells 1B, 2B, and 2C. If the Department agrees that the waste has been relocated to the authorized disposal area or disposed properly off-site, the cost can be deleted from the cost estimate.

G. Closure Requirements

1. Closure Requirements. All closure construction shall be done in accordance with the approved closure plan. The Department shall be notified before any changes, other than minor deviations, to the approved closure design are implemented in order to determine whether a permit modification is required.

2. Certification of closure construction completion. After closure construction has been completed, the engineer of record shall certify to the Department on Form 62-701.900(2) that the closure is complete and that it was done in accordance with the plans submitted to the Department except where minor deviation was necessary. All deviations shall be described in detail and the reasons therefore enumerated.

H. Long-Term Care Requirements for Disposal Units

[Not Applicable]

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

F. Thomas Lubozynski, P.E.
for Jeff Prather
Director, Central District

FILED, on this date, pursuant to Section 120.52, F.S. with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

July 26, 2013
Date

APPENDIX 1
General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

(a) Have access to and copy any records that must be kept under conditions of the permit;

(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

   (a) A description of and cause of noncompliance; and

   (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

   The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statues after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit or a copy thereof shall be kept at the work site of the permitted activity.

12. The permittee shall comply with the following:

   (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

   (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

   (c) Records of monitoring information shall include:

      1. the date, exact place, and time of sampling or measurements;

2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

13. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

APPENDIX 2
List of Documents Incorporated into this Permit

Documents Generated for this Permit Application:

1. Comprehensive Engineer's Report for Permit Renewal of C&D Debris Disposal Facility Operated by Friends Recycling, L.L.C., dated January 28, 2013. Received and stamped January 31, 2013, DEP – Central District.

2. First Request for Additional Information from DEP – Central District dated March 1, 2013.

3. Response to First Request for Additional Information, dated March 26, 2013. Received and stamped March 29, 2013, DEP – Central District.

4. Second Request for Additional Information from DEP – Central District dated April 26, 2013.

5. Response to Second Request for Additional Information, dated May 20, 2013. Received and stamped May 22, 2013, DEP – Central District.

6. Permit Application Complete Letter from DEP – Central District dated May 30, 2013.

Referenced Historical Documents:

7. Engineer's Report for Ocala Recycling, L.L.C., dated October 29, 2001, Attachment A: Geotechnical Report. Received and stamped November 2, 2001, DEP – Central District.

8. Proposed Ocala Recycling 20 Acre Expansion Geotechnical Site Exploration, dated December 27, 2001. Received and stamped February 19, 2002, DEP – Central District.

9. Phase I and Limited Phase II Environmental Site Assessment, dated August 6, 2001. Received and stamped November 2, 2001, DEP – Central District.

APPENDIX 3

FRIENDS RECYCLING LLC-C&D DISPOSAL AND RECYCLING

WACS_FACILITY: 21012

MONITORING PLAN IMPLEMENTATION SCHEDULE
(6/25/2013)

GENERAL

1. This MPIS replaces the MPIS dated **4/17/2008**. It becomes part of permit SO24-19600-008 and is effective from the date of the permit. [**62-701.510(1)(b)&(c), 62-520.600(5),(F.A.C.)**]

2. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with Chapter 62-160 (F.A.C.). Approved methods as published by the Department or as published in Standard Methods, ASTM, or EPA Methods shall be used. [**62-701.510(2)(b), F.A.C.**]

3. The organization collecting samples at this site must use the Field and Laboratory Standard Operating Procedures (DEP-SOP-001/01) referenced in Chapter 62-160, F.A.C. Sampling personnel must have a copy of the SOP for purging and sampling in the field when sampling and must be knowledgeable of its contents, procedures, and forms. The laboratory designated to conduct the chemical analyses must be certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP). This Certification must be for the test method and analyte(s) that are reported. [**62-160.210(1), 62-160**.300(**1), F.A.C.**]

   NOTE: DEP-SOP-001/01 can be accessed at: http://www.dep.state.fl.us/water/sas/sop/sops.htm

4. If, at any time, analyses detect parameters which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in Chapter 62-520, F.A.C., in the detection wells or at the edge of the Zone of Discharge, the Permittee, to confirm the data, shall resample the wells within thirty (30) days of receipt of the sampling data. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. The permittee must notify the Department within 14 days of receipt of the sampling data whether the original data will be accepted as representative of current ground water conditions or whether resampling will be accomplished to confirm the data.

   If the resampling event detects parameters which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in Chapter 62-520, F.A.C., the Permittee shall notify the Department in writing within 14 days of receipt of the sampling data. Confirmed data must be submitted to the Department within 60 days from completion of lab analyses. Use "CONF" (for confirmation data) in the report type column. **[62-701.510(6)(a), F.A.C.]**

Upon notification by the Department, the permittee shall initiate evaluation monitoring in accordance with Rule 62-701.510(6) F.A.C. **[62-701.510(6)(a), F.A.C.]**

GROUND WATER QUALITY MONITORING

5. The six (6) ground water monitoring wells designated for water quality testing are listed on Attachment A and are shown on Attachment B. **[62-701.730(4)(b)3, F.A.C.] [62-701.510(3)(d)2 & 3, F.A.C.]**

   NOTE: Unless otherwise approved by the Department, wells with high turbidities must be remediated or reinstalled to reduce the turbidity value to less than 20 NTU prior to sample collection. Should any ground water sample exhibit dissolved oxygen concentrations greater than 20% of oxygen saturation at the field measured temperature, the sampled well must be repurged then resampled as soon as an acceptable dissolved oxygen value has been attained unless it can be demonstrated that in situ ground water contains higher levels of dissolved oxygen. All water quality analyses will be performed on unfiltered samples unless approved by the Department.

6. Initial samples shall be collected from any new ground water monitoring well for the following Initial Ground Water Monitoring Parameters. **[62-701.510(5)(b)2, F.A.C.]**

Field Parameters	Laboratory Parameters
1. Static water level in wells before purging	1. Aluminum
2. Dissolved oxygen	2. Iron
3. pH	3. Sodium
4. Specific conductivity	4. Chlorides
5. Temperature	5. Nitrate
6. Turbidity	6. Sulfate
7. Color and Sheens (by observation)	7. Total ammonia as N
	8. Total Dissolved Solids
	9. Those parameters listed in 40 CFR Part 258 Appendices II

* Mercury not on list because it is included in Appendix II

7. Semi-annual samples from the current ground water monitoring wells (See Attachment A) shall be collected in **March** and **September**. The samples shall be analyzed for the following Semi-Annual Ground Water Monitoring Parameters. **[62-701.510(5)(c) & (7)(a), F.A.C.]**

Field Parameters	Laboratory parameters
1. Static water level in wells before purging	1. Aluminum
2. Specified conductivity	2. Chlorides
3. pH	3. Nitrate
4. Dissolved oxygen	4. Sulfate
5. Turbidity	5. Total dissolved solids (TDS)
6. Temperature	6. Iron
7. Colors and sheens (by observation)	7. Sodium
	8. Arsenic
	9. Cadmium
	10. Chromium
	11. Lead
	12. Mercury
	13. Total ammonia – N
	14. Total Xylenes
	15. Those parameters listed in 601 & 602

8. Permit renewal samples from all background and compliance wells shall be collected not more than 90 days prior to submittal of the permit renewal application, unless approved by the Department. The samples shall be analyzed for the following Permit Renewal Ground Water Monitoring Parameters. **[62-701.730(4)(b)5, F.A.C.]**

Field Parameters	Laboratory Parameters
1. Static water level in wells before purging	1. Aluminum
2. Dissolved oxygen	2. Iron
3. pH	3. Mercury
4. Specific conductivity	4. Sodium
5. Temperature	5. Chlorides
6. Turbidity	6. Nitrate
7. Colors and sheens (by observation)	7. Sulfate
	8. Total ammonia as N
	9. Total Dissolved Solids
	10. Those parameters listed in 40 CFR Part 258 Appendix I

Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Ground Water Cleanup Target Levels (GCTLs) in Chapter 62-777, F.A.C. except those listed in Table C of the "FDEP Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits dated 10/12/2004". SCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated.

9. Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Ground Water Cleanup Target Levels (GCTLs) in Chapter 62-777, F.A.C. except those listed in Table C of the "FDEP Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits dated 10/12/2004". SCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated.

MONITORING WELL REQUIREMENTS

10. If a monitoring well or piezometer becomes damaged or inoperable, the Permittee shall notify the Department in writing within seven (7) days. The written report shall describe what problem has occurred and the remedial measures that have been taken to prevent a recurrence. The Department can require the replacement of inoperable monitoring wells or piezometers. **[62-4.070(3), F.A.C.]**

11. New or replacement monitoring well design or placement must be approved by the Department. Proposed well construction details based on site-specific borings must be submitted with all supporting data (grain size distribution analyses, in-situ hydraulic conductivity testing, depth to water, etc.) for Department approval prior to well installation. Use of hollow stem auger equipment is recommended. Other drilling methods must be approved by the Department prior to well installation. **[62-520.600(3), F.A.C.]**

12. All wells and piezometers shall be clearly and permanently labeled and the well site maintained so that the well is visible at all times. Protective barriers must be installed at all wells that may be subject to damage by heavy equipment or traffic. **[62-701.510(3)(d)2, F.A.C.]**

13. An abandonment plan for abandoning any well that is unsuitable for ground water monitoring or for any piezometer must be approved by the Department prior to abandonment. **[62-701.510(3)(d)6, F.A.C.]**

REPORTING REQUIREMENTS

FIELD ACTIVITIES

14. The Department must be notified in writing, hard copy or e-mail, at least fourteen (14) days prior to the installation and/or sampling of any monitoring well(s). **[62-701.510(8)(a), F.A.C.]**

MONITORING WELL COMPLETION

15. One (1) paper copy and one (1) electronic copy (Adobe pdf format) of **Attachment C Monitoring Well Completion Report** (as modified by the Central District) and required Attachment s (for example, construction diagram and lithologic log), must be submitted to the Department within thirty (30) days after installation of any new or replacement monitoring well(s) In addition, as built well construction diagrams and soil boring logs that cover the entire depth of the monitoring well(s) must be submitted to the Department.

    NOTE: The top of casing elevation of each well, to an accuracy of 0.01 feet, and the latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and certified by a Florida Licensed Surveyor and Mapper and provided on the form. **[62-701.510(3)(d)1 & 62-532.410, F.A.C.]**

SURVEYING

16. One (1) paper copy and one (1) electronic copy (Adobe pdf format) of a drawing must be submitted within thirty (30) days following monitoring well installation showing the location of all monitoring wells (active and abandoned), piezometers, water bodies and waste filled areas. The location of features on the drawing must be horizontally and vertically located by standard surveying techniques. The drawing shall include all monitoring well locations, each monitoring well name and identification (WACS) number, the top of casing, pad elevation, permanent benchmark(s) and/or corner monument marker(s) referenced to NGVD 1929 with an accuracy of 0.01 feet. The latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and provided on the drawing. The survey shall be conducted and certified by a Florida Licensed Surveyor and Mapper. **[62-701.510(1)(c)&(3)(d)1, F.A.C.**]

17. If a monitoring well is being replaced or new wells are being added to an existing ground water monitoring plan, only the new wells need to be surveyed as long as all other monitoring wells in the MPIS have been surveyed and certified by a Florida Licensed Surveyor and Mapper and there is no reason to believe that the elevations have changed. The location and elevation determinations and the certification must be provided with the Monitoring Well Completion Form for the new well,

DEPTH MEASUREMENTS

18. A total depth measurement must be made on all wells at time of permit renewal. This measurement is to be reported on one (1) paper copy and one (1) electronic copy (Adobe pdf format) as total apparent depth below ground surface and should be compared to the original total depth of the well. **[62-701.510(1)(c), F.A.C.]**

INITIAL AND SEMI-ANNUAL SAMPLING

19. Required monitoring reports must be submitted to the Department within sixty (60) days from completion of lab analyses. Requirement for submitting the report is outlined in **Attachment D (ADaPT electronic reporting requirement) [62-701.510(8), F.A.C.]**

WATER ELEVATIONS

20. Water levels in all monitoring wells, whether sampled or not, and all piezometers must be measured to the nearest 0.01 foot and reported semi-annually. All water level measurements must be made within a one-day period. These measurements should be reported in a table that includes well name, date water level measured, measuring point elevation referenced to NGVD 1929, depth to water and calculated water level elevation referenced to NGVD 1929. **[62-701.510(8)(a)8, F.A.C.]**

GROUND WATER CONTOUR MAPS

21. Ground water elevation contour maps for each monitored aquifer zone must be submitted semi-annually to the Department. Ground water elevation contour map(s) should include monitoring well and piezometer locations, ground water elevation at each monitoring well or piezometer location referenced to NGVD 1929, a bar scale, north arrow, ground water contour interval, date of measurement and ground water flow direction. The map(s) must incorporate adjacent and on-site surface water elevations where appropriate. These maps shall be signed and sealed pursuant to Florida Statutes (F.S.) Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or 492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in this subject area. **[62-701.510(8)(a)9, F.A.C.]**

MPIS Technical Report (formerly Biennial Report)

22. A technical report, signed and sealed by a professional geologist or professional engineer with experience in hydrogeologic investigations, shall be submitted to the Department every two and one-half years during the active life of the facility, and every five years during the long-term care period~~,~~. The report shall summarize and interpret the water quality monitoring results and water level measurements collected during at least the past five sampling events. The report shall contain, at a minimum, the following **[62-701.510(8)(b), F.A.C.]:**

a Tabular displays of any data which shows that a monitoring parameter has been detected, and graphical displays of any leachate key indicator parameters detected (such as pH, specific conductance, TDS, TOC, sulfate, chloride, sodium and iron), including hydrographs for all monitor wells;
b Trend analyses of any monitoring parameters consistently detected;
c Comparisons among shallow, middle, and deep zone wells;
d Comparisons between background water quality and the water quality in detection and compliance wells;
e Correlations between related parameters such as total dissolved solids and specific conductance;
f Discussion of erratic and/or poorly correlated data;
g An interpretation of the ground water contour maps, including an evaluation of ground water flow rates; and
h An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based upon site conditions.

23. One (1) paper and one (1) electronic copy (Adobe pdf format) of the MPIS Technical Report shall be submitted to the Department:

Report	Sampling Periods Covered	Minimum Number Of Semi-Annual Sampling Events in Report	MPIS Technical Report Due Dates
Interim Technical Report 1	July 2013 through July 2015	5	November 30, 2015
Interim Technical Report 2	January 2016 through January 2018	5	May 31, 2018
Interim Technical Report 3	July 2018 through July 2020	5	May 31, 2020
Permit Renewal Technical Report	January 2021 through July 2014	4	Permit Renewal SO24-19600-008 Due with Renewal Application Date: 04/19/2023

Requirements for Electronic Reporting of Water Quality Data

24. Required water quality monitoring reports and all ground water, analytical results shall be submitted as described in Attachment **D (ADaPT electronic reporting requirement)**. Required monitoring reports must be submitted to the Department within sixty (60) days from completion of lab analyses. **(62-160.240 and 62-160.340, F.A.C.)**

25. Monitoring Plan Implementation Schedule major MPIS versions:

Date	Reason for MPIS	Notation
6/25/2013	Permit Renewal	• Updated for Chapter 62-701, F.A.C revisions.

List of Attachment s

Attachment A – Monitoring Well Sampling Point List

Attachment BI thru BIV – Monitoring Location Maps

Attachment C – Monitoring Well Completion Report Form

Attachment D – ADaPT Electronic Reporting Requirements

Attachment E – Ground Water Monitoring Report Certification Form

Attachment F – Water Sampling Log

ATTACHMENT A

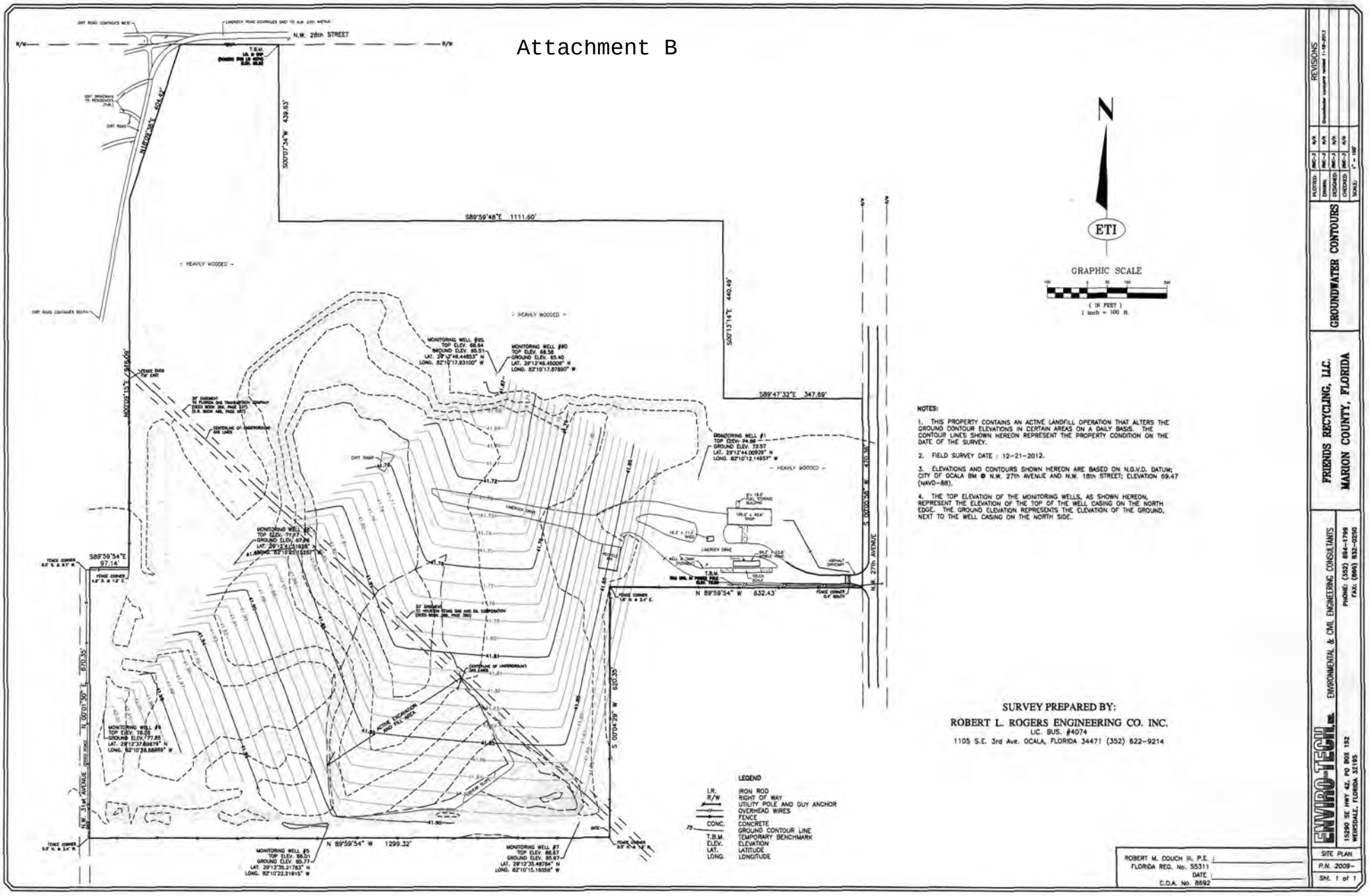
FRIENDS RECYCLING, LLC C&D LANDFILL
WACS_FACILITY: 21012
MONITORING SITES

	Monitoring Site Number	WACS Well	Well Type	Zone/ Screen	GW/SW Class	WACS Sampling Types
Ground Water						
1.	MW-1	18811	DE	Floridan	G-II	SEMCD/RENCD
2.	MW-5	22912	DE	Floridan	G-II	SEMCD/RENCD/INTGW
3.	MW-6	22913	DE	Floridan	G-II	SEMCD/RENCD/INTGW
4.	MW-7	22914	DE	Floridan	G-II	SEMCD/RENCD/INTGW
5.	MW-8	22915	CO	Floridan	G-II	SEMCD/RENCD/INTGW
6.	MW-9	22916	CO	Floridan	G-II	SEMCD/RENCD/INTGW

Well Type Codes: (CO) Compliance (DE) Detection

Sampling Type Codes: (SEMCD) Semi-annual C&D Parameters (RENCD) Renewal C&D Parameters (INTGW) Initial Ground Water Monitoring

Attachment B



NOTES:

1. THIS PROPERTY CONTAINS AN ACTIVE LANDFILL OPERATION THAT ALTERS THE GROUND CONTOUR ELEVATIONS IN CERTAIN AREAS ON A DAILY BASIS. THE CONTOUR LINES SHOWN HEREON REPRESENT THE PROPERTY CONDITION ON THE DATE OF THE SURVEY.
2. FIELD SURVEY DATE : 12-21-2012.
3. ELEVATIONS AND CONTOURS SHOWN HEREON ARE BASED ON N.G.V.D. DATUM; CITY OF OCALA BM ✪ N.W. 27th AVENUE AND N.W. 18th STREET; ELEVATION 69.47 (NAVD-88).
4. THE TOP ELEVATION OF THE MONITORING WELLS, AS SHOWN HEREON, REPRESENT THE ELEVATION OF THE TOP OF THE WELL CASING ON THE NORTH EDGE. THE GROUND ELEVATION REPRESENTS THE ELEVATION OF THE GROUND, NEXT TO THE WELL CASING ON THE NORTH SIDE.

LEGEND

I.R.	IRON ROD
R/W	RIGHT OF WAY
	UTILITY POLE AND GUY ANCHOR
	OVERHEAD WIRES
	FENCE
CONC.	CONCRETE
75	GROUND CONTOUR LINE
T.B.M.	TEMPORARY BENCHMARK
ELEV.	ELEVATION
LAT.	LATITUDE
LONG.	LONGITUDE

SURVEY PREPARED BY:

ROBERT L. ROGERS ENGINEERING CO. INC.
LIC. BUS. #4074
1105 S.E. 3rd Ave. OCALA, FLORIDA 34471 (352) 622-9214

ROBERT M. COUCH III, P.E.
FLORIDA REG. No. 55311
DATE
C.O.A. No. 8692

ENVIRO-TECH, Inc. ENVIRONMENTAL & CIVIL ENGINEERING CONSULTANTS
15290 SE HWY 42, PO BOX 152
WEIRSDALE, FLORIDA 32195
PHONE: (352) 694-1799
FAX: (866) 832-0250

REVISIONS

PLOTTED:	JMC-3	N/A
DRAWN:	JMC-3	N/A
DESIGNED:	JMC-3	N/A
CHECKED:	JMC-3	N/A
SCALE:	1" = 100'	

GROUNDWATER CONTOURS
FRIENDS RECYCLING, LLC.
MARION COUNTY, FLORIDA
SITE PLAN
P.N. 2009-
Sht. 1 of 1

MPIS 2013-06

ATTACHMENT C

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

MONITORING WELL COMPLETION REPORT FORM

Facility Name: **Friends Recycling LLC-C&D Disposal and Recycling**		Date:
DEP Permit No.:	WACS Facility ID #:21012	
WACS Monitoring Site ID #:	WACS Monitoring Site Name:	
Well Type: ❑ Background ❑ Detection ❑ Compliance ❑ Other_____		
LATITUDE AND LONGITUDE (See Next Page For Requirements):		
Coordinate Accuracy:	Datum:	Elevation Datum:
Collection Method:	Collection Date:	
Collector Name:	Collector Affiliation:	
Aquifer Monitored:		
Drilling Method:	Date Installed:	
Installed By:		
Bore Hole Diameter:	Total Depth:(BLS)	
Casing Type:	Casing Diameter:	Casing Length:
Screen Type:	Screen Slot Size:	Screen Length:
Screen Diameter:	Screen Interval: _____ To_____(BLS)	
Filter Pack Type:	Filter Pack Grain Size:	
Filter Interval Covered:	Filter Interval: _____ To_____(BLS)	
Sealant Type:	Sealant Interval: _____ To_____(BLS)	
Grout Type:	Grout Interval: _____ To_____(BLS)	
Top Of Casing Elev. (NGVD):	Ground Surface Elev. (NGVD):	
Post Development Water Level Elev. (NGVD):	Date And Time Measured:	
Describe Well Development:		
Remarks:		
Name Of Person Preparing Report:		
Organization:	Phone Number:	

NOTE Attach As-Built Mw Construction Diagram, Lithologic Log, And Survey Drawing (See Next Page).
(NGVD)=National Geodetic Vertical Datum Of 1929 (BLS) = Below Land Surface

DEP Form 62-520.900(3) Effective April 14, 1994

Additional Survey Notes:

1. Latitude and Longitude Requirements and Definitions:

   a. **Latitude** must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

   b. **Longitude** must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

   c. **Eastings and northings** (State Plane Coordinates) **must** be converted to latitude and longitude.

   d. **Coordinate Accuracy:** the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is required.

   e. **Datum:** the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

   f. **Elevation Datum:** the reference datum from which elevation measurements are made. NGVD29 (National Geodetic Vertical Datum of 1929 is required.

   g. **Collection Method:** the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

   h. **Collection Date:** the date and time on which the measurements were taken.

   i. **Collector Name:** the name of the person taking the measurement.

   j. **Collector Affiliation:** the agency or company for whom the collector works.

2. As specified in the MPIS, One (1) paper copy and one (1) electronic copy of a drawing must be submitted within thirty (30) days following monitoring well installation showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas. The location of features on the drawing must be horizontally and vertically located by standard surveying techniques. The drawing shall include all monitoring well locations, each monitoring well name and identification (WACS) number, the top of casing, pad elevation, permanent benchmark(s) and/or corner monument marker(s) referenced to NGVD with an accuracy of 0.01 feet. The latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and provided on the drawing. The survey shall be conducted and certified by a Florida Licensed Surveyor and Mapper. [***62-701.510(1)(c)&(3)(d)1, F.A.C.***]

3. If a monitoring well is being replaced or new wells are being added to an existing ground water monitoring plan, only the new wells needs to be surveyed as long as all other monitoring wells in the MPIS have been surveyed and certified by a Florida Licensed Surveyor and Mapper and there is no reason to believe that the elevations have changed. This location and elevation determinations and the certification must be provided with the Monitoring Well Completion Form for the new well,.

Attachment D
REQUIREMENT FOR SUBMITTING
ELECTRONIC WATER QUALITY DATA
TO THE FDEP CENTRAL DISTRICT SOLID WASTE PROGRAM

6/25/2013 updated email address 7/24/2013

I. General Information

Electronic versions of monitoring reports and all ground water, surface water and leachate analytical results for the Solid Waste Program shall be submitted to the Department on compact disc, DVD, or flash drive media readable by Microsoft Windows. Water quality monitoring reports shall be submitted in Adobe pdf format.

Unless otherwise approved by the Department, the water quality Electronic Data Deliverable (EDD) shall be compatible with software called Florida DEP Automated Data Processing Tool (ADaPT). ADaPT has been developed to evaluate and upload water quality data into the Department's Water Assurance Compliance System (WACS) database. A copy of this ADaPT software with installation instructions and EDD specifications can be downloaded from the following website address: http://www.dep.state.fl.us/waste/categories/shw/pages/ADaPT.htm. **(Rules 62-160.240 and 62-160.340, F.A.C.)**

II. Monitoring Report

Two electronic copies of the water quality monitoring report shall be submitted. The electronic version of the monitoring report shall be submitted in Adobe pdf format, with the EDDs as separate files on the electronic media.

The Monitoring Report shall include the following items:

1. Cover letter;
2. Summary of exceedances and sampling issues (if any, for example, variation from SOP field criteria);
3. Conclusions and recommendations;
4. Ground water contour maps;
5. Chain of custody forms;
6. Water levels, water elevation table;
7. Ground Water Monitoring Report Certification, using the appropriate Department form (**Attachment E);**
8. Required sampling information on Form FD 9000-24 (DEP-SOP-001/01) (**Attachment F);**
9. Laboratory and Field EDDs that are compatible with ADaPT software and the ADaPT error log(s).

(NOTE: You no longer have to complete or submit the DEP Form 62-522.900(2), Parameter Monitoring Report.)

One copy of the Monitoring Report shall be sent to each:

Florida Department of Environmental Protection
Central District Office
Waste and Air Resource Programs
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767

DEP_CD@dep.state.fl.us

Telephone: 407-897-4100

And to:

Florida Department of Environmental Protection
Solid Waste Section
2600 Blair Stone Road, MS 4565
Tallahassee, Florida 32399-2400

III. ADaPT EDDs

The ADaPT EDD consists of two electronic deliverables: (1) a Laboratory EDD, identified as swldd.txt; and (2) a Field EDD identified as swfdd.txt. The Laboratory EDD shall be submitted in a comma separated (.csv format) text file which can be produced through Excel. The Laboratory EDD file name format shall be: WACS Facility I.D. underscore Begin Sampling Date (yyyymm) underscore swldd.txt. The period at the end would not be included. For example, with WACS Facility I.D. # 12345 where sampling started in November and ended in December of 2008, the Laboratory EDD file name should be: 12345_200811_swldd.txt

The Field EDD shall be submitted in the same comma separated (.csv format) text file as the Laboratory EDD. The Field EDD file name format shall be: WACS Facility I.D. underscore Begin Sampling Date (yyyymm) underscore swfdd.txt. Again, the period at the end is not included. For example, with WACS Facility I.D. # 12345 where sampling started in November and ended in December of 2008, the file name should be: 12345_200811_swfdd.txt

For confirmation sampling, add the term _conf to the EDD filenames as follows: 12345_200811_conf_swldd.txt for the Laboratory EDD or 12345_200811_conf_swfdd.txt for the Field EDD.

For data that is resubmitted, add _#, where # is the number of data submittals (greater than 1). For example, if the data was resubmitted for the first time, and was thus submittal number 2, then the EDD filenames would be as follows: 12345_200811_2_swldd.txt for the Laboratory EDD and 12345_200811_2_swfdd.txt for the Field EDD.

Finally, taking this to an extreme, if confirmation data was resubmitted for say the 10th time, then the EDD filenames would be: 12345_200811_conf_10_swldd.txt for the Laboratory EDD or 12345_200811_conf_10_swfdd.txt for the Field EDD.

IV. Signatures Required

Water quality monitoring reports and interpretative documents (such as recommendations about exceedances and/or contour maps) shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations. A sealed signature page may be submitted with the electronic copy of the report provided that the seal is legible (gray the embossed seal and scan). Otherwise, you must separately mail the sealed and signed page.

V. Process Required

Three steps are generally required. First, two copies of the Laboratory EDD, one in comma separated text format and one as a PDF file, must be submitted by the laboratory. A digitally "signed" PDF copy (read-only file) by the laboratory serves to maintain the integrity of the Laboratory EDD. In order to validate the QA/QC aspects of the Laboratory EDD, the permittee shall ensure the laboratory processes the Laboratory EDD through ADaPT using both their laboratory specific library and the Department's Solid Waste Master library and corrects all critical errors and explains all non-critical errors prior to submittal. Second, the appropriate entity (laboratory, consultant, or permittee) shall process the Field EDD through ADaPT using the Department's Solid Waste Master library and correct all critical errors and explain all non-critical errors prior to submittal. Finally, as a completeness check, the permittee or consultant shall process both the Laboratory EDD and the Field EDD through ADaPT and confirm a successful export to disk prior to submitting the Laboratory EDD, Field EDD and ADaPT error log(s) to the Department.

VI. Resources

In the event help is needed to prepare these EDDs, you can contact the Central District Solid Waste staff:

Florida Department of Environmental Protection
Central District Office
Waste and Air Resource Programs
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767

Telephone: 407-897-4100

DEP_CD@dep.state.fl.us.

You can also receive assistance by contacting Mr. Clark Moore (850-245-8739 or by e-mail at clark.b.moore@dep.state.fl.us) or Mr. Lee Martin (850-245-8734 or by e-mail at lee.martin@dep.state.fl.us) in FDEP Tallahassee.

You can also receive assistance by contacting Mr. Clark Moore (850-245-8739 or by e-mail at clark.b.moore@dep.state.fl.us) or Mr. Lee Martin (850-245-8734 or by e-mail at lee.martin@dep.state.fl.us) in FDEP Tallahassee.

ATTACHMENT E

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Friends Recycling LLC-C&D Disposal and Recycling

Address _____

City _____ Zip _____ County _____

Telephone Number ( ) _____ E-mail address _____

(2) WACS_Facility 21012

(3) DEP Permit Number _____

(4) Authorized Representative's Name _____ Title _____

Address _____

City _____ Zip _____ County _____

Telephone Number ( ) _____ E-mail address _____

(5) Type of Discharge N/A

(6) Method of Discharge N/A

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

_____ _____

Date Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization _____

Analytical Lab NELAC #/ HRS Certification _____

Lab Name _____

Address _____

Phone Number ( ) _____

E-mail Address _____

Attachment F
WATER SAMPLING LOG

DEP-SOP-001/01 FS 2200 Groundwater Sampling

Form FD 9000-24

FACILITY NAME: **Friends Recycling LLC-C&D Disposal and Recycling WACS 21012**	FACILITY LOCATION:	
MONITORING_SITE_NUM:	WACS_WELL:	DATE:

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (^{O}C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP =** Peristaltic Pump **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 ^{o}C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

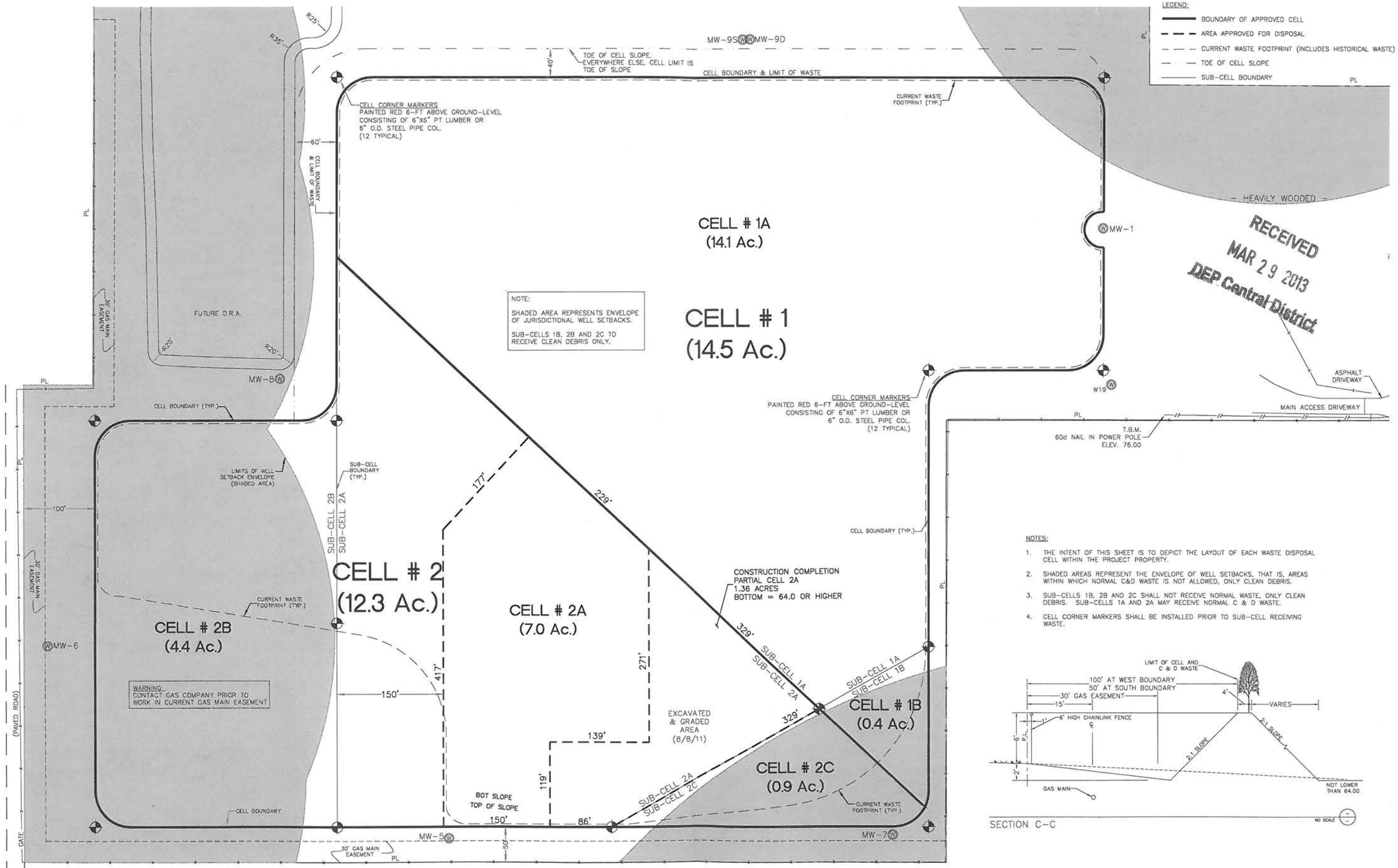
ATTACHMENT 1
Time Sensitive Action Chart

(Required Notifications and Submittals to the Department)

Specific Condition	Topic	Action	Due Date
Section 2.A.3	Permit Renewal	Submit permit renewal application to the Department	Due 4/19/2023
Section 2.A.6	5 Year Submittal Report	Submit report to the Department	June 19, 2018
Section 2.C.1	Operation Plan	Notify the Department	Before any non-minor operational changes
Section 2.C.5.b	Removal of C&D debris from Cell 2B	Notify the Department	If waste removal will not be completed within 9 months after receiving notification from the Department
Section 2.C.7	Emergencies	Notify the Department	Per the Contingency Plan
Section 2.C.10	Annual Report	Send report on Form 62-701.900(7)	February 1 of each year
Section 2.C.11	Regulated Hazardous Waste	Notify the Department	Immediately upon discovery
Section D	Ground Water Monitoring	Submit groundwater Reports	Per the current MPIS
Section E.1	Odor Remediation Plan	Submit quarterly report to the Department	Annually by: April 15th, July 15th, October 15th, January 15th
Section 2.F.1	Annual Financial Mechanism Adjustment	Submit evidence of adjusted financial mechanism to the Department	Annually after the adjusted cost estimate is approved
Section 2.F.2	Annual Cost Estimate	Submit to the Department on form 62-701.900(28), F.A.C.	Between January 1 and March 1 of each year
Section 2.G.1	Facility Closure	Notify the Department	Before any non-minor changes to the approved closure design are implemented
Section 2.G.2	Closure Construction	Submit Certification of Construction Completion Report	When closure is completed

ATTACHMENT 2

Cell Layout, sheet 2 of 7



NOTES:

1. THE INTENT OF THIS SHEET IS TO DEPICT THE LAYOUT OF EACH WASTE DISPOSAL CELL WITHIN THE PROJECT PROPERTY.
2. SHADED AREAS REPRESENT THE ENVELOPE OF WELL SETBACKS, THAT IS, AREAS WITHIN WHICH NORMAL C&D WASTE IS NOT ALLOWED, ONLY CLEAN DEBRIS.
3. SUB-CELLS 1B, 2B AND 2C SHALL NOT RECEIVE NORMAL WASTE, ONLY CLEAN DEBRIS. SUB-CELLS 1A AND 2A MAY RECEIVE NORMAL C & D WASTE.
4. CELL CORNER MARKERS SHALL BE INSTALLED PRIOR TO SUB-CELL RECEIVING WASTE.

SECTION C-C

NO SCALE

REVISIONS						
Date	By	Description		Names	Date
03/27/13	AMM	UPDATED PER COMMENTS	Drawn By	AMM	28 JAN 13
			Checked By	JCG	
			Designed By	JCG	
			Checked By	JCG	
			Approved By	JCG	

ENGINEER OF RECORD:

Guerra Development Corp.
Consulting Engineering
2817 NE 3rd St. Ocala, Florida 34470
(352) 629-8060 Phone
guerracorp@att.net
State of Florida Certificate of Authorization #4954

SEAL: Juan C. Guerra, P.E. No. Reg. # 0041000

Date:

N.T.S.

HORIZ. SCALE: –
VERT. SCALE: –
0 30 60 120

NORTH

CLIENT: FRIENDS RECYCLING, LLC

SHEET TITLE: CELL LAYOUT

PROJECT NAME: FRIENDS RECYCLING RENEWAL

JOB NO: 12-03

GDC DRAWING NAME: 12-03_PLAN

SHEET NO.: 2 of 7