

24 December 2013

Mr. Cory Dilmore, P.E.
Florida Department of Environmental Protection
Permitting and Compliance Assistance Program
2600 Blair Stone Road, MS 4565
Tallahassee, Florida 32399

Subject: Minor Modification Permit Application
FDEP Permit No. SC49-0199726-017
J.E.D. Solid Waste Management Facility (WACS #89544)
Osceola County, Florida

Dear Mr. Dilmore:

Geosyntec Consultants (Geosyntec) prepared this minor modification permit application on behalf of Omni Waste of Osceola County, LLC (Omni) for the J.E.D. Solid Waste Management Facility (JED facility) located in St. Cloud, Florida. This minor modification permit application is prepared in accordance with applicable sections of Chapter 62-701 of the Florida Administrative Code (FAC) and applicable sections of the Florida Department of Environmental Protection (FDEP) Form 62-701.900(1) – *Application to Construct, Operate, Modify, or Close a Solid Waste Management Facility*, completed and included in **Attachment 1** of this submittal. This minor modification permit application was also prepared in accordance with discussions held between Omni, Geosyntec, and the FDEP during a meeting on 19 November 2013.

A check in the amount of \$250 (in accordance with Rule 62-701.315(4), F.A.C.) and FDEP Form 62-701.900(1) are submitted herein.

BACKGROUND

The JED facility is currently operating under the operational permit number SO49-0199726-022 and is preparing to construct Cell 10 under the construction permit number SC49-0199726-017. The current Monitoring Plan Implementation Schedule (MPIS) was developed from the Water Quality Monitoring Plan (WQMP) which was prepared as part of the JED facility permit application submitted in November 2011. In October 2013 Omni submitted correspondence to the FDEP regarding the need to abandon temporary groundwater monitoring well clusters MW-18 through MW-21 to facilitate construction of Cell 10 of Phase 3 in early 2014. The wells are located on the Phase 3 interim storm water berm which will be removed during construction of Cell 10. Construction of the interim Phase 4 storm water berm is planned in conjunction with Cell 10 and will

accommodate construction of future Cells 11 through 13. In response to Omni's request, the FDEP requested a meeting to discuss the proposed abandonment and overall WQMP. The information presented in this document will serve as a request to modify the existing MPIS for the JED facility prior to the initiation of construction of Cell 10 of Phase 3 and Cells 11-13 of Phase 4 as discussed with the FDEP during the 19 November 2013 meeting.

PERMIT MINOR MODIFICATION APPLICATION

The number and positioning of the background and detection monitoring wells as well as the sampling schedule of the existing monitoring wells were discussed during the 19 November 2013 meeting. Following discussions, modifications to the existing WQMP for remaining Phase 3 and future Phase 4 construction, and changes to the overall groundwater monitoring scheme were requested by FDEP. The proposed changes are described below.

- The FDEP has requested groundwater be monitored at the intersect location of intercell and perimeter disposal boundary berms for future constructed landfill cells. In order to comply with this request, the locations of the monitoring well clusters for Cells 10 through 13 required modification as proposed. The proposed location of the monitoring well clusters is provided the replacement Sheet 25 of 45 from the renewal permit drawing set. The revised title sheet and Sheet 25 of 45 from the solid waste renewal permitted submitted in November 2011 are provided in **Attachment 2** of this submittal. Specific details of the proposed locations of each monitoring well cluster are provided below.
 - MW-17 Detection Well Cluster – Abandon temporary A/B/C well cluster during construction of Cell 10.
 - MW-17R Detection Well Cluster – Install permanent A/B well cluster during construction of Cell 10.
 - MW-18, MW-19 and MW-21 Background Well Clusters – Abandon temporary A/B/C well clusters during construction of the interim Phase 4 storm water berm (in conjunction with construction of Cell 10).
 - MW-20 Background Well Cluster – Temporary A/B/C well cluster was abandoned during construction of Cell 9.
 - MW-24 Background Well Cluster – Install temporary A/B well cluster on the westernmost edge of the interim Phase 4 storm water berm at a location that allows for construction of Cell 12 (including extension of the perimeter berm at the southern alignment). This well cluster will be

installed during construction of the interim Phase 4 storm water berm and abandoned during construction of the interim Phase 5 storm water berm.

- MW-25 Background Well Cluster – Install temporary A/B well cluster on the interim Phase 4 storm water berm south of the Cell 12/13 intercell berm. This well cluster will be installed during construction of the interim Phase 4 storm water berm and abandoned during construction of the interim Phase 5 storm water berm.
- MW-26 Background Well Cluster – Install temporary A/B well cluster on the easternmost edge of the interim Phase 4 storm water berm at a location that allows for construction of Cell 13. (including extension of the perimeter berm at the southern alignment). This well cluster will be installed during construction of the interim Phase 4 storm water berm and abandoned during construction of the interim Phase 5 storm water berm.
- MW-27 Detection Well Cluster – Install permanent A/B well cluster east of the Cell 11/13 intercell berm during construction of Cell 11.
- MW-28 Detection Well Cluster – Install permanent A/B well cluster approximately 300 feet north of the MW-27 during construction of Cell 11.
- MW-29 Detection Well Cluster – Install permanent well cluster 500 feet northwest of MW-28 during construction of Cell 11.
- MW-30 Detection Well Cluster - Install permanent A/B well cluster east of the Cell 12/14 intercell berm during construction of Cell 12.
- MW-31 Detection Well Cluster - Install permanent A/B well cluster east of the Cell 13/15 intercell berm during construction of Cell 13.
- The monitoring well clusters in the past have included three monitoring wells with screens installed within the A, B and C zones. The Cell 10 and Phase 4 proposed monitoring well clusters will only include the installation of A and B zone wells. C zone wells will be installed if sustained detections of leachate related contaminants of concern (COCs) are detected above water quality protection standards in A or B zone wells during routine monitoring, or as otherwise directed by the FDEP.
- Detections of leachate related COCs have not been observed in existing C zone wells. It is proposed to modify the current sampling schedule for existing and future monitoring wells to only include semi-annual sampling of only the A and B zone monitoring wells. Sampling of C zone wells will be performed only if sustained detections (2 sampling events) of leachate related COCs are observed

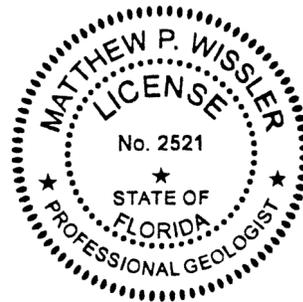
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Page 4

above water quality protection standards in B zone monitoring wells at the C zone locations where the detections are observed, or otherwise directed by the FDEP.

CLOSURE

It is requested the changes outlined in this letter be incorporated in the MPIS for the JED facility. No changes, other than detailed in this letter, are proposed for the existing MPIS. If you have any questions or need additional information, please do not hesitate to contact Mr. Mike Kaiser at (904) 673-0446, mkaiser@wsii.us, or the undersigned at 727-330-9954.

Sincerely,



Matthew Wissler, P.G.
Senior Hydrogeologist
Florida Professional Geologist No. 2521

Attachment:

Copies to: Michael Kaiser, WSI

ATTACHMENT 1

Part L of FDEP Form 62-701.900(1)



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(1), F.A.C.

Form Title: Application to Construct, Operate, Modify, or
Close a Solid Waste Management Facility

Effective Date: January 6, 2010

Incorporated in Rule: 62-701.330(3), F.A.C.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION TO CONSTRUCT, OPERATE, MODIFY, OR CLOSE A SOLID WASTE MANAGEMENT FACILITY

APPLICATION INSTRUCTIONS AND FORMS

Northwest District
160 Governmental Center
Pensacola, FL 32502-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pkwy
Temple Terrace, FL 33637
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

INSTRUCTIONS TO APPLY FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

I. General

Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes, (FS) and in accordance with Florida Administrative Code (FAC) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department's District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315, FAC, shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP).

Complete appropriate sections for the type of facility for which application is made. Entries shall be typed or printed in ink. All blanks shall be filled in or marked "not applicable" or "no substantial change". Information provided in support of the application shall be marked "submitted" and the location of this information in the application package indicated. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to complete the application is listed on the attached pages of this form.

II. Application Parts Required for Construction and Operation Permits

- A. Landfills and Ash Monofills - Submit Parts A through S
- B. Asbestos Monofills - Submit Parts A,B,C,D,E,F,I,K,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A through S

NOTE: Portions of some Parts may not be applicable.

NOTE: For facilities that have been satisfactorily constructed in accordance with their construction permit, the information required for A, B and C type facilities does not have to be resubmitted for an operation permit if the information has not substantially changed during the construction period. The appropriate portion of the form should be marked "no substantial change".

III. Application Parts Required for Closure Permits

- A. Landfills and Ash Monofills - Submit Parts A,B,L, N through S
- B. Asbestos Monofills - Submit Parts A,B,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A,B, L through S

NOTE: Portions of some Parts may not be applicable.

IV. Permit Renewals

The above information shall be submitted at time of permit renewal in support of the new permit. However, facility information that was submitted to the Department to support the expiring permit, and which is still valid, does not need to be re-submitted for permit renewal. Portions of the application not re-submitted shall be marked "no substantial change" on the application form.

V. Application Codes

S	-	Submitted
LOCATION	-	Physical location of information in application
N/A	-	Not Applicable
N/C	-	No Substantial Change

VI. LISTING OF APPLICATION PARTS

- PART A: GENERAL INFORMATION
- PART B: DISPOSAL FACILITY GENERAL INFORMATION
- PART C: PROHIBITIONS
- PART D: SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL
- PART E: LANDFILL PERMIT REQUIREMENTS
- PART F: GENERAL CRITERIA FOR LANDFILLS
- PART G: LANDFILL CONSTRUCTION REQUIREMENTS
- PART H: HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS
- PART I: GEOTECHNICAL INVESTIGATION REQUIREMENTS
- PART J: VERTICAL EXPANSION OF LANDFILLS
- PART K: LANDFILL OPERATION REQUIREMENTS
- PART L: WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS
- PART M: SPECIAL WASTE HANDLING REQUIREMENTS
- PART N: GAS MANAGEMENT SYSTEM REQUIREMENTS
- PART O: LANDFILL CLOSURE REQUIREMENTS
- PART P: OTHER CLOSURE PROCEDURES
- PART Q: LONG-TERM CARE
- PART R: FINANCIAL ASSURANCE
- PART S: CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY**

Please Type or Print

PART A. GENERAL INFORMATION

1. Type of disposal facility (check all that apply):

- | | |
|---|--|
| <input type="checkbox"/> Class I Landfill | <input type="checkbox"/> Ash Monofill |
| <input type="checkbox"/> Class III Landfill | <input type="checkbox"/> Asbestos Monofill |
| <input type="checkbox"/> Industrial Solid Waste | |
| <input type="checkbox"/> Other Describe: | |

NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC;
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;
Compost Facilities should apply on Form 62-701.900(10), FAC; and
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

- Construction
- Operation
- Construction/Operation
- Closure
- Long-term Care Only

3. Classification of application:

- | | |
|----------------------------------|--|
| <input type="checkbox"/> New | <input type="checkbox"/> Substantial Modification |
| <input type="checkbox"/> Renewal | <input type="checkbox"/> Intermediate Modification |
| | <input type="checkbox"/> Minor Modification |

4. Facility name: _____

5. DEP ID number: _____ County: _____

6. Facility location (main entrance):

7. Location coordinates:

Section: _____ Township: _____ Range: _____

Latitude: _____ ° _____ ' _____ " Longitude: _____ ° _____ ' _____ "

Datum: _____ Coordinate Method: _____

Collected by: _____ Company/Affiliation: _____

8. Applicant name (operating authority): _____
Mailing address: _____
Street or P.O. Box City State Zip
Contact person: _____ Telephone: (____) _____
Title: _____
_____ E-Mail address (if available)

9. Authorized agent/Consultant: _____
Mailing address: _____
Street or P.O. Box City State Zip
Contact person: _____ Telephone: (____) _____
Title: _____
_____ E-Mail address (if available)

10. Landowner (if different than applicant): _____
Mailing address: _____
Street or P.O. Box City State Zip
Contact person: _____ Telephone: (____) _____
_____ E-Mail address (if available)

11. Cities, towns and areas to be served:

12. Population to be served:
Current: _____ (approx.) Five-Year Projection: _____ (approx.)

13. Date site will be ready to be inspected for completion: _____

14. Expected life of the facility: _____ years

15. Estimated costs: (Estimated costs correspond to construction and corresponding closing for the 272.7-acre Cells 8 through 23 area)
Total Construction: \$ _____ Closing Costs: \$ _____

16. Anticipated construction starting and completion dates:
From: _____ To: _____

17. Expected volume or weight of waste to be received:
_____ yds³/day _____ tons/day _____ gallons/day

- Air treatment sludge
- Agricultural
- Asbestos
- Industrial sludge
- Domestic sludge
- Other Describe:

9. Salvaging permitted: Yes No

10. Attendant: Yes No Trained operator: Yes No

11. Trained spotters: Yes No Number of spotters used: Minimum of 1 per work face

12. Site located in: Floodplain Wetlands Other:

13. Days of operation: _____

14. Hours of operation: _____

15. Days Working Face covered: _____

16. Elevation of water table: _____ ft. Datum Used: _____

17. Number of monitoring wells: _____

18. Number of surface monitoring points: _____

19. Gas controls used: Yes No Type controls: Active Passive

Gas flaring: Yes No Gas recovery: Yes No

20. Landfill unit liner type:

- Natural soils
- Single clay liner
- Single geomembrane
- Single composite
- Slurry wall
- Double geomembrane
- Geomembrane & composite (Cells 5 thru 23)
- Double composite (Cells 1 thru 4)
- None
- Other Describe:

21. Leachate collection method:

- Collection pipes
- Geonets (geocomposite)
- Well points
- Perimeter ditch
- Other Describe:
- Sand layer
- Gravel layer
- Interceptor trench
- None

22. Leachate storage method:

- Tanks
- Other Describe:
- Surface impoundments with flexible storage containers

23. Leachate treatment method:

- Oxidation
- Secondary
- Advanced
- Other
- Chemical treatment
- Settling
- None

24. Leachate disposal method:

- Recirculated
- Transported to WWTP
- Injection well
- Evaporation
- Other
- Pumped to WWTP
- Discharged to surface water/wetland
- Percolation ponds
- Spray Irrigation

25. For leachate discharged to surface waters:

Name and Class of receiving water:

26. Storm Water:

Collected: Yes No

Type of treatment:

Name and Class of receiving water:

27. Environmental Resources Permit (ERP) number or status:

PART L. WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS (62-701.510, FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	1. Water quality and leachate monitoring plan shall be submitted describing the proposed ground water, surface water and leachate monitoring systems and shall meet at least the following requirements;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	a. Based on the information obtained in the hydrogeological investigation and signed, dated and sealed by the PG or PE who prepared it; (62-701.510(2)(a),FAC)
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	b. All sampling and analysis performed in accordance with Chapter 62-160, FAC; (62-701.510(2)(b),FAC)
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	c. Ground water monitoring requirements; (62-701.510(3),FAC)
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(1) Detection wells located downgradient from and within 50 feet of disposal units;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(2) Downgradient compliance wells as required;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(3) Background wells screened in all aquifers below the landfill that may be affected by the landfill;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(4) Location information for each monitoring well;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(5) Well spacing no greater than 500 feet apart for downgradient wells and no greater than 1500 feet apart for upgradient wells unless site specific conditions justify alternate well spacings;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(6) Well screen locations properly selected;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(7) Monitoring wells constructed to provide representative ground water samples;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(8) Procedures for properly abandoning monitoring wells;
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	(9) Detailed description of detection sensors if proposed.
<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	d. Surface water monitoring requirements; (62-701.510(4),FAC)



2893 Executive Park Drive, Suite 305, Weston, Florida 33331

January 24, 2011

RE: Omni Waste of Osceola County, LLC

To Whom It May Concern:

This is to confirm that Michael Kaiser is an authorized signatory of Omni Waste of Osceola County, LLC (the "Corporation"), with authority to execute and deliver all documents and instruments required in connection with environmental matters for the Corporation, including without limitation, permit applications, modifications and financial assurances for permits issued to the Corporation.

Omni Waste of Osceola County, LLC

A handwritten signature in black ink, appearing to read "William P. Hulligan", written over a horizontal line.

William P. Hulligan
Manager

Waste Services, Inc.

A handwritten signature in black ink, appearing to read "William P. Hulligan", written over a horizontal line.

William P. Hulligan
Executive Vice President, U.S. Operations

ATTACHMENT 2

Replacement Title Sheet and Sheet 25 of 45 from Solid Waste
Renewal Permit

J.E.D. SOLID WASTE MANAGEMENT FACILITY

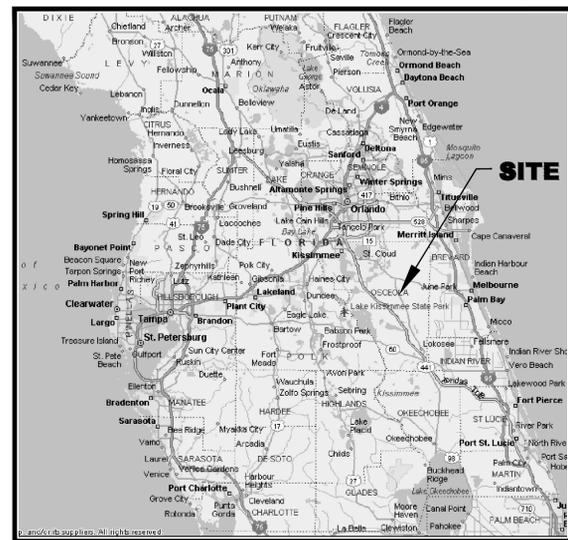
ST.CLOUD, FLORIDA

PHASES 1 THROUGH 4

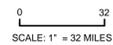
RENEWAL PERMIT DRAWINGS

NOVEMBER 2011

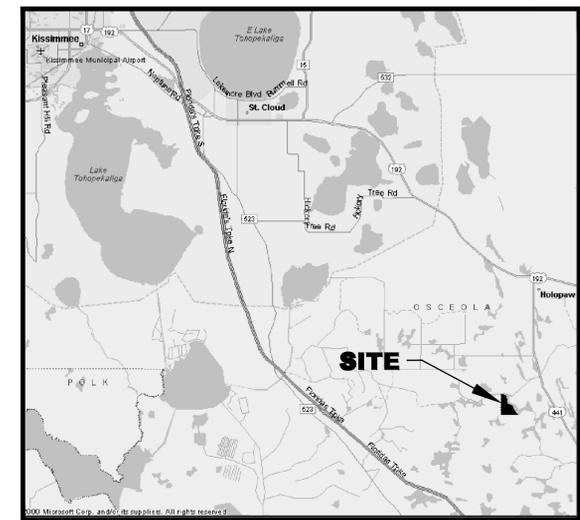
(REVISED, DECEMBER 2013)



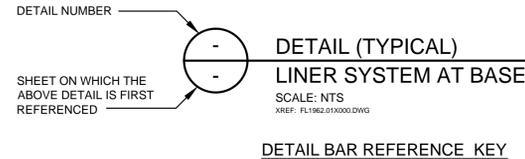
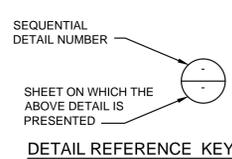
LOCATION MAP



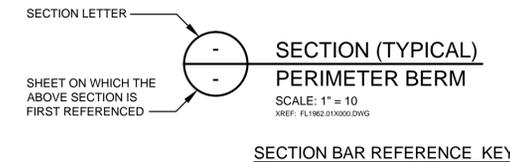
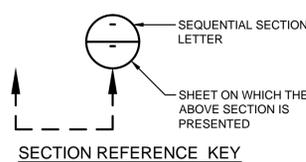
LIST OF DRAWINGS		
SHEET NUMBER	SHEET TITLE	REVISION
1	TITLE SHEET	2
2	EXISTING SITE CONDITIONS AND AERIAL PHOTOGRAPH	0
3	TOPOGRAPHIC MAP OF THE SITE	0
4	SITE CHARACTERIZATION PLAN I	0
5	SITE CHARACTERIZATION PLAN II	0
6	SITE DEVELOPMENT PLAN	0
7	BASE GRADING PLAN - PHASE 3	0
8	BASE GRADING PLAN - PHASE 4	0
9	LEACHATE COLLECTION SYSTEM LAYOUT PLAN I	0
10	LEACHATE COLLECTION SYSTEM LAYOUT PLAN II	1
11	LANDFILL CROSS SECTIONS I	0
12	LANDFILL CROSS SECTIONS II	0
13	LANDFILL CROSS SECTIONS III	0
14	PERIMETER BERM TYPICAL SECTIONS	0
15	LINER SYSTEM DETAILS I - CELLS 8 THROUGH 13	0
16	LINER SYSTEM DETAILS II - CELLS 8 THROUGH 13	0
17	LEACHATE SUMP PLAN - CELLS 8 THROUGH 13	0
18	SECONDARY SUMP CROSS SECTIONS - CELLS 8 THROUGH 13	0
19	PRIMARY SUMP CROSS SECTIONS - CELLS 8 THROUGH 13	0
20	LEACHATE SUMP CROSS SECTIONS - CELLS 8 THROUGH 13	0
21	LEACHATE COLLECTION SYSTEM DETAILS - CELLS 8 THROUGH 13	0
22	LEACHATE STORAGE FACILITY PLAN	1
23	LEACHATE STORAGE FACILITY CROSS SECTIONS	1
24	LEACHATE MANAGEMENT SYSTEM SCHEMATIC DIAGRAM	0
25	GROUNDWATER MONITORING NETWORK	1
26	PHASE 3 CONSTRUCTION SEQUENCING	1
27	PHASE 4 CONSTRUCTION SEQUENCING	1
28	WASTE FILL SEQUENCING PLAN I	0
29	WASTE FILL SEQUENCING PLAN II	0
30	GAS MANAGEMENT SYSTEM PLAN I	0
31	GAS MANAGEMENT SYSTEM PLAN II	0
32	CONCEPTUAL LAYOUT OF HORIZONTAL GAS COLLECTORS	0
33	GAS MANAGEMENT DETAILS I	0
34	GAS MANAGEMENT DETAILS II	0
35	GAS MANAGEMENT DETAILS III	0
36	GAS MANAGEMENT DETAILS IV	0
37	LANDFILL GAS PIPELINE DETAILS	0
38	SCALE AND ADMINISTRATIVE AREA LAYOUT	0
39	FINAL COVER SYSTEM GRADING PLAN I	0
40	FINAL COVER SYSTEM GRADING PLAN II	0
41	FINAL COVER SYSTEM DETAILS	0
42	STORM WATER MANAGEMENT PLAN	0
43	STORM WATER MANAGEMENT DETAILS I	0
44	STORM WATER MANAGEMENT DETAILS II	0
45	STORM WATER DRAINAGE STRUCTURE DETAILS	0



VICINITY MAP



EXAMPLE: DETAIL 1 WHICH IS PRESENTED ON SHEET 7 WAS FIRST REFERENCED ON SHEET 5.

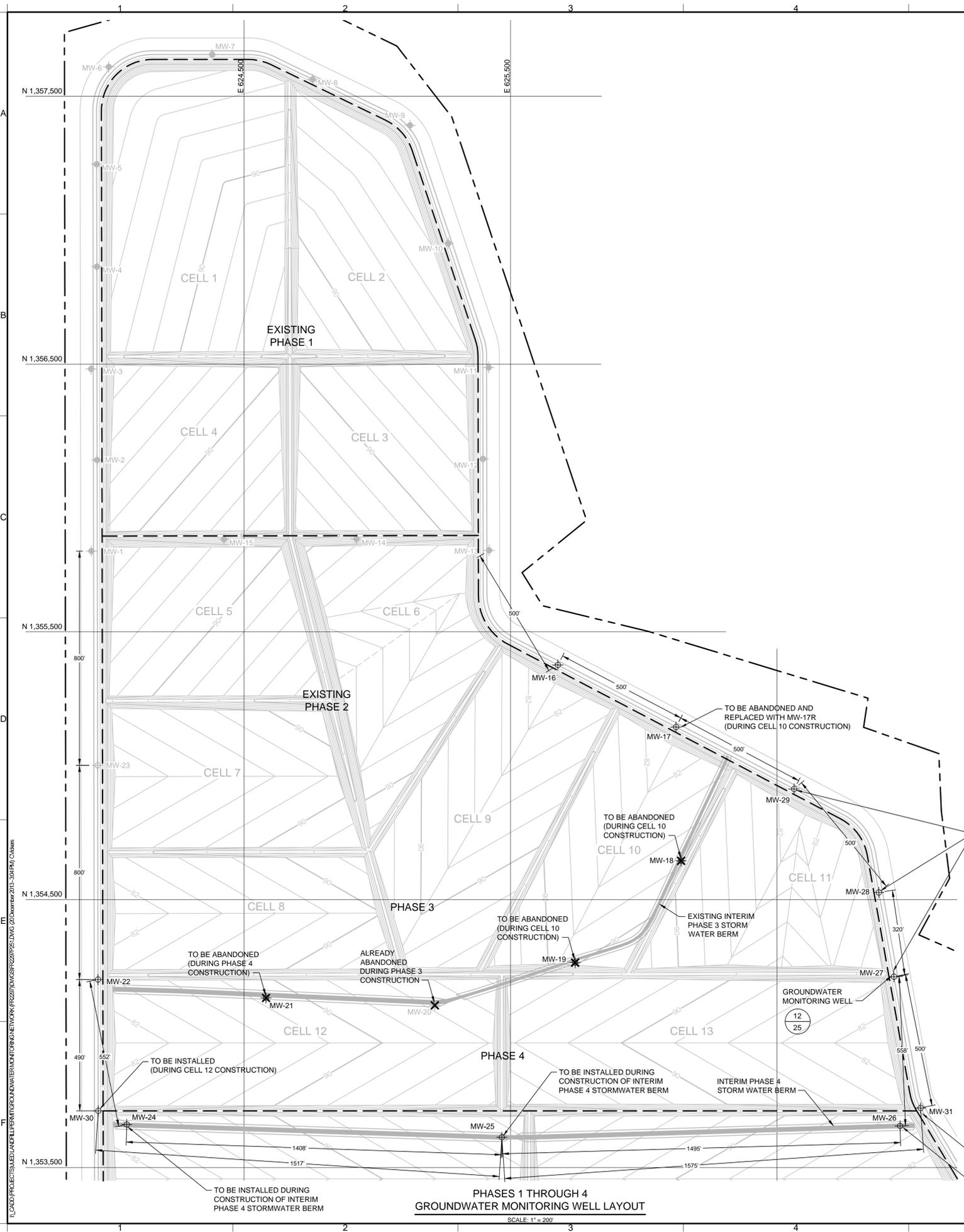


EXAMPLE: SECTION C WHICH IS PRESENTED ON SHEET 5 WAS FIRST REFERENCED ON SHEET 3.

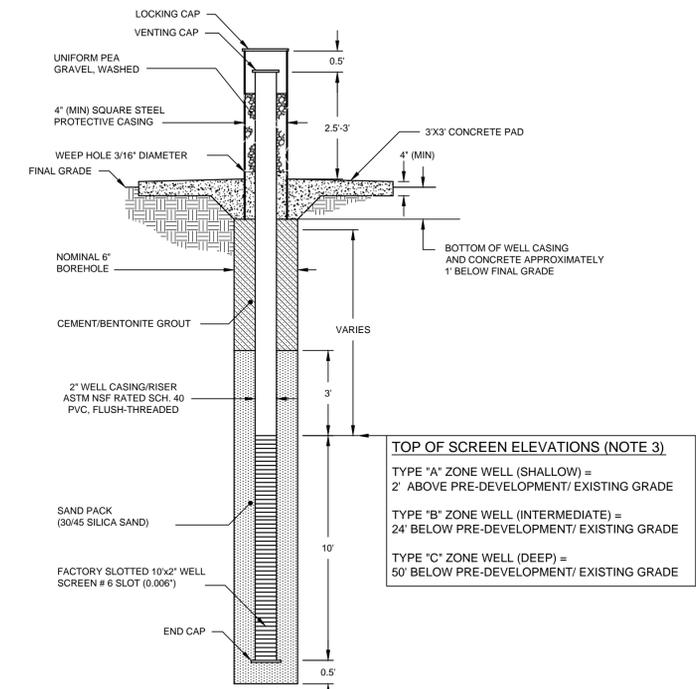
REV	DATE	DESCRIPTION	DRN	APP
2	DEC 2013	ISSUED FOR FDEP APPROVAL	JWO	MPW
1	JAN 2012	REVISED PER FDEP COMMENTS, RA1 #1	JWO	VMD
0	NOV 2011	ISSUED FOR FDEP APPROVAL	JWO	VMD

Geosyntec consultants 13101 TELECOM DRIVE, SUITE 120 TEMPLE TERRACE, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER: 4321		 1501 OMNI WAY ST. CLOUD, FLORIDA 34773 TEL: 407-891-3720 FAX: 407-891-3730	
TITLE: TITLE SHEET			
PROJECT: SOLID WASTE RENEWAL PERMIT			
SITE: J.E.D. SOLID WASTE MANAGEMENT FACILITY			
DESIGN BY:	VMD/JDQ	DATE:	NOVEMBER 2011
DRAWN BY:	JWO/CMV	PROJECT NO.:	FL1962.02
CHECKED BY:	VMD	FILE:	FL2297P012
REVIEWED BY:	JDQ	DRAWING NO.:	
APPROVED BY:	VMD		1 OF 45

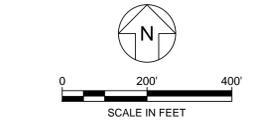
PERMIT DRAWING



GROUNDWATER MONITORING WELL SCHEDULE			
WELL	NORTHING	EASTING	STATUS
MW-1	1355801.76	623927.76	EXISTING
MW-2	1356141.76	623949.18	EXISTING
MW-3	1356481.70	623926.60	EXISTING
MW-4	1356863.75	623947.95	EXISTING
MW-5	1357245.77	623947.30	EXISTING
MW-6	1357609.65	623992.77	EXISTING
MW-7	1357655.74	624380.68	EXISTING
MW-8	1357563.00	624757.34	EXISTING
MW-9	1357390.93	625122.57	EXISTING
MW-10	1356950.48	625266.36	EXISTING
MW-11	1356487.15	625418.09	EXISTING
MW-12	1356145.69	625396.67	EXISTING
MW-13	1355804.30	625419.26	EXISTING
MW-14	1355846.36	624922.02	ABANDONED
MW-15	1355845.51	624424.85	ABANDONED
MW-16	1355376.34	625677.81	EXISTING
MW-17	1355144.75	626120.94	EXISTING
MW-18	1354645.10	626139.82	EXISTING
MW-19	1354265.03	625742.27	EXISTING
MW-20	1354105.48	625215.92	ABANDONED
MW-21	1354133.12	624582.67	EXISTING
MW-22	1354201.80	623952.49	EXISTING
MW-23	1355001.79	623951.12	EXISTING
MW-24	1353660.31	624060.41	PROPOSED
MW-25	1353612.82	625467.25	PROPOSED
MW-26	1353655.01	626961.33	PROPOSED
MW-27	1354212.25	626938.23	PROPOSED
MW-28	1354527.00	626881.68	PROPOSED
MW-29	1354913.17	626564.08	PROPOSED
MW-30	1353711.32	623953.32	PROPOSED
MW-31	1353722.35	627038.20	PROPOSED



1 DETAIL (TYPICAL)
GROUNDWATER MONITORING WELL
 SCALE: NOT TO SCALE
 XREF: FL1962.02X1206



LEGEND	
	PROPERTY BOUNDARY
	SUBBASE ELEVATION (FEET)
	EXISTING GROUNDWATER MONITORING WELL LOCATION
	GROUNDWATER MONITORING WELL LOCATION

- NOTES:
- NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83). THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).
 - THE PROPERTY BOUNDARY IS BASED ON A COMPOSITE BOUNDARY SURVEY PROVIDED BY JOHNSTON SURVEYING INC., KISSIMEE FLORIDA, DATED AUGUST 12, 1999.
 - AT EACH MONITORING LOCATION A TWO WELL CLUSTER WILL BE INSTALLED TO A AND B ZONE DEPTHS. C ZONE WELLS WILL ONLY BE INSTALLED IF SUSTAINED DETECTIONS OF LEACHATE RELATED CONTAMINANTS OF CONCERN ARE DETECTED IN A AND B ZONE WELLS. THESE WELLS WILL BE SPACED 5 FEET APART AND ARRANGED PARALLEL TO THE PERIMETER MAINTENANCE ROAD OR INTERCELL BERM ALIGNMENTS OR ON TOP OF THE INTERIM STORM WATER BERMS.

1	DEC 2013	ISSUED FOR FDEP APPROVAL	JWO	MPW
0	NOV 2011	ISSUED FOR FDEP APPROVAL	JWO	VMD
REV	DATE	DESCRIPTION	DRN	APP

Geosyntec
consultants

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 TEMPLE TERRACE, FLORIDA 33637 USA
 PH: 813.558.0990 - FX: 813.558.9726
 AUTHORIZATION NUMBER: 4321

Progressive
Waste Solutions

1501 OMNI WAY
 ST. CLOUD, FLORIDA 34773
 TEL: 407-891-3720 FAX: 407-891-3730

TITLE: **GROUNDWATER MONITORING NETWORK**

PROJECT: **SOLID WASTE RENEWAL PERMIT**

SITE: **J.E.D. SOLID WASTE MANAGEMENT FACILITY**

DESIGN BY:	VMD/JDQ	DATE:	NOVEMBER 2011
DRAWN BY:	JWO/CMV	PROJECT NO.:	FL1962.02
CHECKED BY:	VMD	FILE:	FR2297P251
REVIEWED BY:	JDQ	DRAWING NO.:	25 OF 45
APPROVED BY:	VMD		

SIGNATURE

DATE

MATTHEW WISSLER - LICENSE NO. 2521

PERMIT DRAWING

PHASES 1 THROUGH 4
 GROUNDWATER MONITORING WELL LAYOUT
 SCALE: 1" = 200'