Appendix E
Demolition Plans

CONSTRUCTION DRAWINGS

For the demolition of the

SWTE
PUBLIC TRANSPORTATION FACILITY SITE DEMOLTION

Prepared for

CITY OF KEY WEST

MAYOR: CRAIG CATES

COMMISSIONERS:

TONY YANIZ
JIMMY WEEKLEY
BILLY WARDLOW

MARK ROSSI
CLAYTON LOPEZ
TERI JOHNSTON

Drawings

For information regarding
this project, contact:

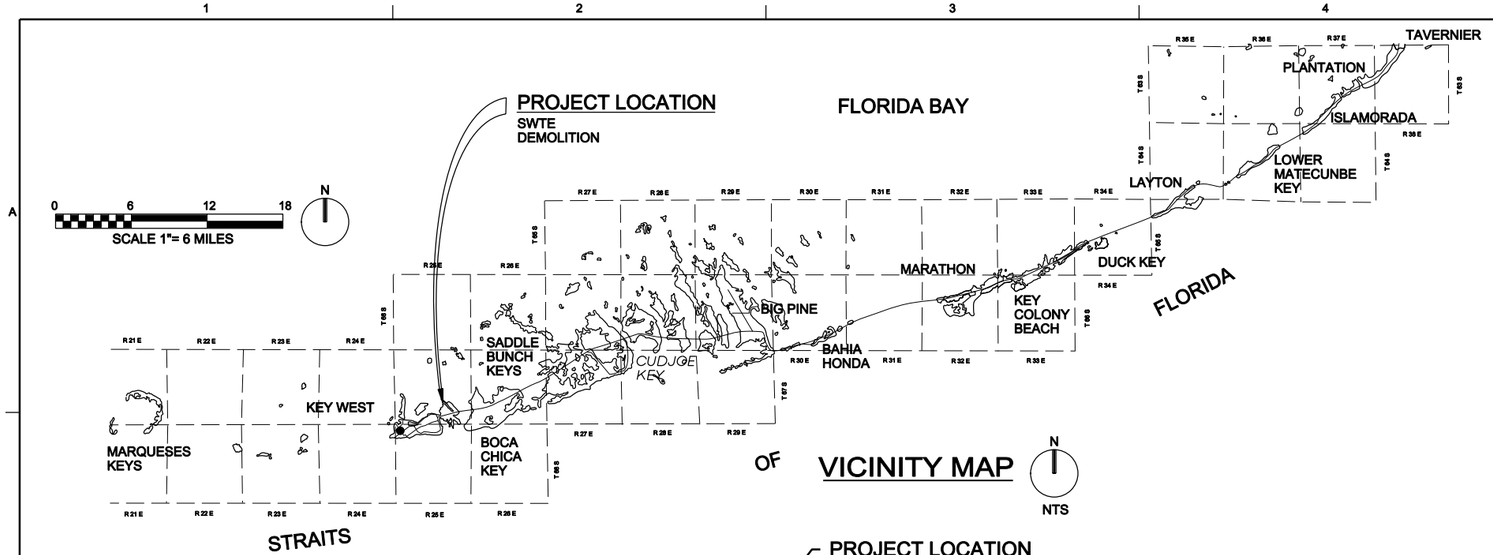
Andrew Smyth, P.E.
6410 5th Street, Suite 2-A
Key West, FL 33040
(305) 294-1645

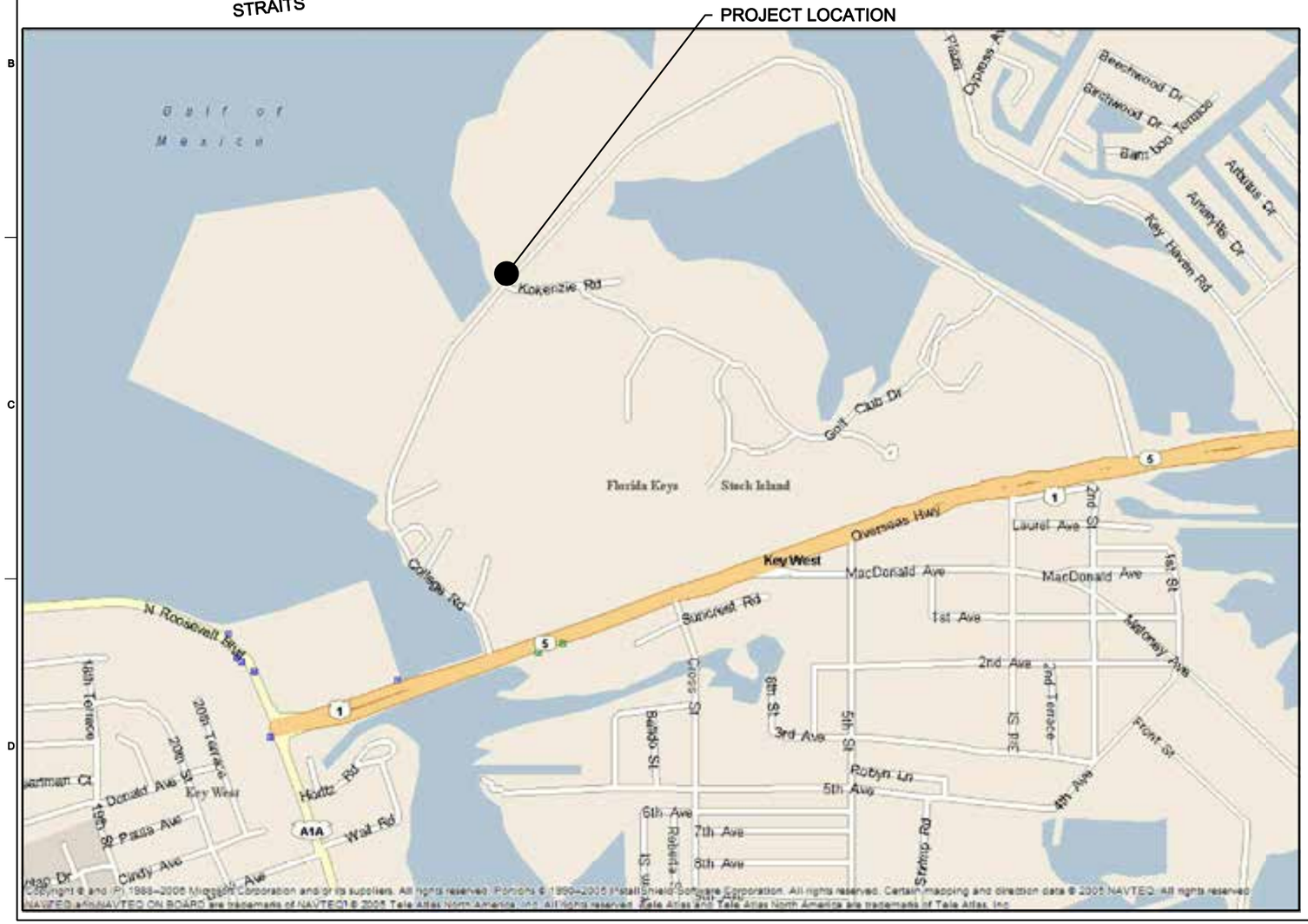
CH2MHILL

CH2M HILL Project No. 413967

JUNE 2012

CONSTRUCTION DRAWINGS





INDEX TO DRAWINGS

PROJECT LOCATION MAP

5701 COLLEGE RD
STOCK ISLAND, FL

NO.	DATE	REVISION	BY	APVD
DSGN	D GARCIA	D SCHAUER	D GARCIA	A SMYTH
DR	D GARCIA	CHK	APVD	

CH2MHILL
3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

CITY OF KEY WEST
SWTE
PUBLIC TRANSPORTATION FACILITY
KEY WEST, FLORIDA

GENERAL
VICINITY MAP, LOCATION MAP, AND INDEX TO DRAWINGS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JUNE 2012
PROJ	413967
DWG	G-01
SHEET	2 OF 9

CONSTRUCTION DRAWINGS

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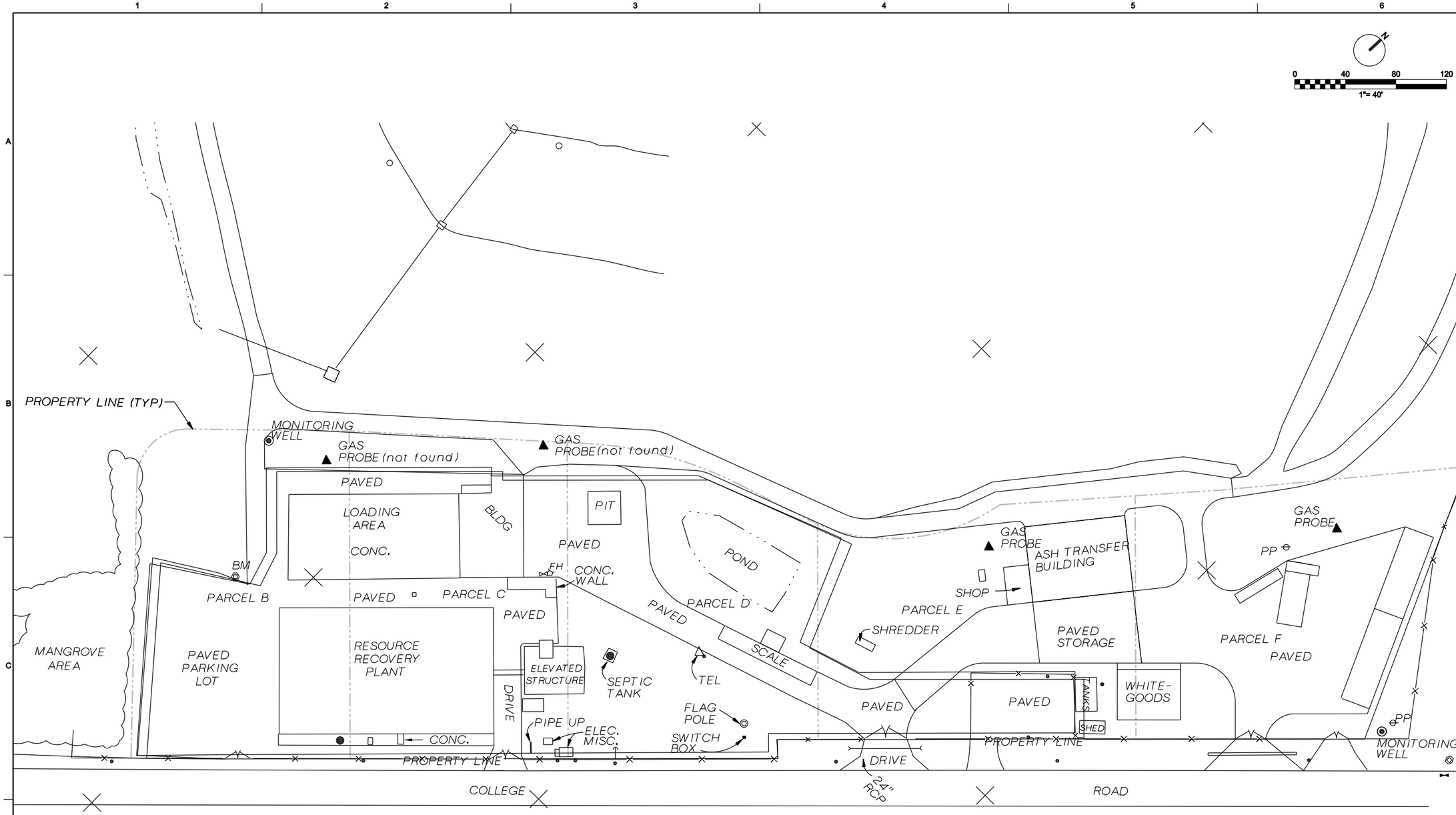


EXISTING SITE CONDITIONS

1"= 40'

NO.	DATE	REVISION	BY
DSGN	D GARCIA	DR D SCHAUER CHK D GARCIA APVD	A SMYTH APVD

3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001982

CH2MHILL.

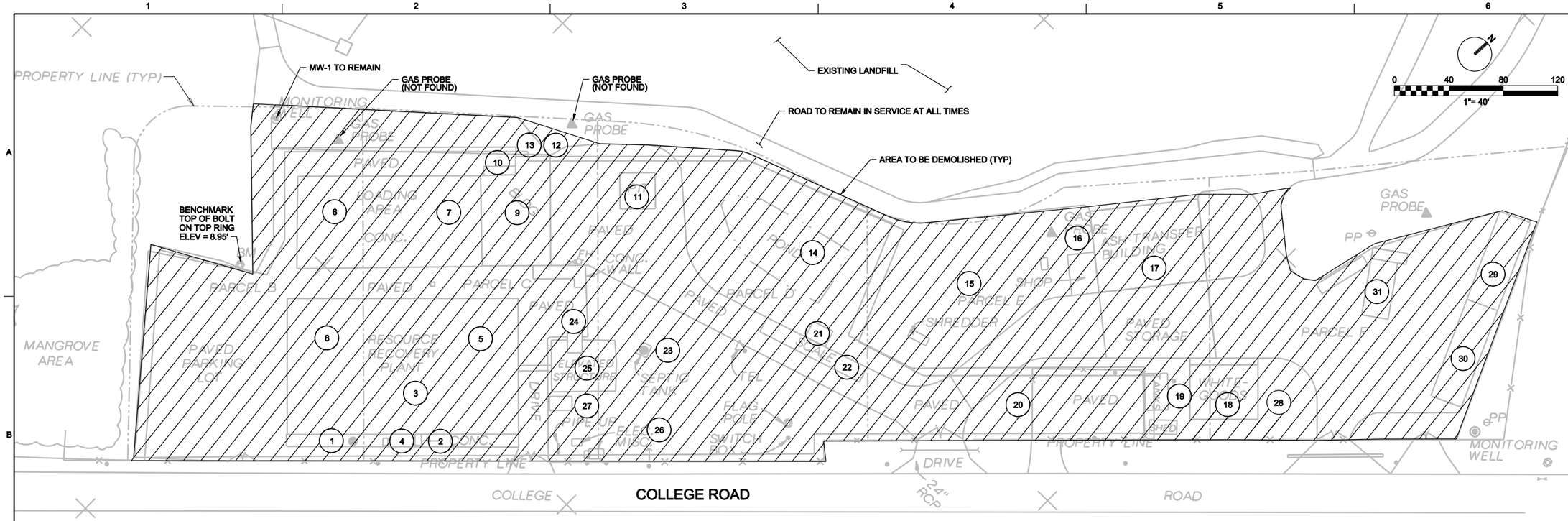
CITY OF KEY WEST
SWTE
PUBLIC TRANSPORTATION FACILITY
KEY WEST, FLORIDA

CIVIL
EXISTING SITE CONDITIONS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JUNE 2012
PROJ	413967
DWG	D-01
SHEET	3 OF 9

CONSTRUCTION DRAWINGS



LEGEND (SEE NOTE 9)

1. BURIED CISTERN TANK (30' x 10' x 6') (CONCRETE)
2. BURIED REJECT RO TANK (8' x 8' x 8') (CONCRETE)
3. CONCRETE MASONRY UNIT WALL (SEPARATING BUILDING)
4. ABOVE GROUND FUEL TANK AND CONDENSER
5. EQUIPMENT: TREATED WATER TANK, TURBINE UNIT, ELECTRICAL GEAR, GENERATORS
6. CONCRETE BASE FOR INCINERATOR STACKS (32' x 32' x6') SEE DWG SC4
7. CONCRETE PAD FOR INCINERATORS
8. RESOURCE RECOVERY PLANT PRE-ENGINEERED BUILDING
9. CONCRETE AND PRE-ENGINEERED BUILDING W/ ABOVE GROUND CRANE SYSTEM
10. CONCRETE DRIVEWAY RAMP (1' THICK)
11. BURIED CONCRETE TANK W/O TOP (12' DEEP W 16"WALLS) (24' x 24' x12') SEE DWG SC4
12. STORM WATER TANK
13. USED OIL TANK
14. POND, PARTIALLY FILLED
15. CONCRETE STORAGE W/3 WALLS
16. TWO BURIED 5,000 GALLON TANKS (CONCRETE)
17. ASH BUILDING PRE-ENGINEERED BUILDING. SEE ATTACHED DRAWINGS.
18. CONCRETE STORAGE W/3 WALLS
19. ABOVE GROUND FUEL TANKS
20. CONCRETE SLAB
21. SCALE HOUSE
22. IN-GROUND TRUCK SCALE
23. SEPTIC TANK AND LEACH FIELD
24. CONCRETE PAD (2' THICK)
25. ELEVATED CONDENSERS
26. FIRE PUMP HOUSE
27. STORAGE BUILDING
28. ELECTRICAL TRANSFORMERS - ELECTRICAL METER, WATER METER AND WATER LINE TO BE REMOVED AND CAPPED
29. CONCRETE BLOCK BUILDING W/4 OVERHEAD DOORS
30. CONCRETE STORAGE W/7 WALLS
31. CONCRETE STORAGE W/7 WALLS

NOTES:

1. GAS PROBES TO BE REMOVED AND RE-INSTALLED. SEE DRAWING D-03.
2. MW-1 TO REMAIN
3. ALL ASPHALT TO BE REMOVED
4. NUMBERS 3,5,6,7,9,10,11
   RESOURCE RECOVERY FACILITY
   SEE ATTACHED DRAWINGS BY MONTENAY INTERNATIONAL CORPORATION
   CE: 1-3
   SC: 1,1A, 2, 7A, 8-10, 11A, 12, 13, 16-18
5. NUMBER 17
   ASH TRANSFER FACILITY
   SEE ATTACHED DRAWINGS BY CH2M HILL
   S: 1-10
6. ALL MATERIAL ABOVE GROUND AND TO A DEPTH OF 4 FEET BELOW PROPOSED CAPPING GRADE IS TO BE REMOVED AND PROPERLY DISPOSED OF OR SALVAGED. BUILDING FOUNDATIONS AND UTILITIES LOCATED GREATER THAN 4 FEET BELOW PROPOSED CAPPING GRADE ARE TO BE ABANDONED IN PLACE WITH THE TOP 4 FEET REMOVED.
7. ALL UNDERGROUND STORAGE TANKS ARE TO BE REMOVED IN THEIR ENTIRETY.
8. CONTRACTOR TO IMPLEMENT APPROVED EROSION AND SEDIMENT CONTROLS BEFORE STARTING DEMOLITION.
9. REMOVE ALL ITEMS LISTED IN THE LEGEND TO A MINIMUM DEPTH OF 4-FEET BELOW EXISTING GRADE

NO.	DATE	REVISION	BY	APVD
DSGN	D GARCIA	DR	D SCHAUER	CHK	D GARCIA	APVD	A SMYTH

3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

CH2MHILL.

CITY OF KEY WEST
SWTE- PUBLIC TRANSPORTATION FACILITY
SITE DEMOLITION
KEY WEST, FLORIDA

CIVIL
DEMOLITION SITE PLAN

CONSTRUCTION DRAWINGS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JUNE 2012
PROJ	413967
DWG	D-02
SHEET	4 OF 9

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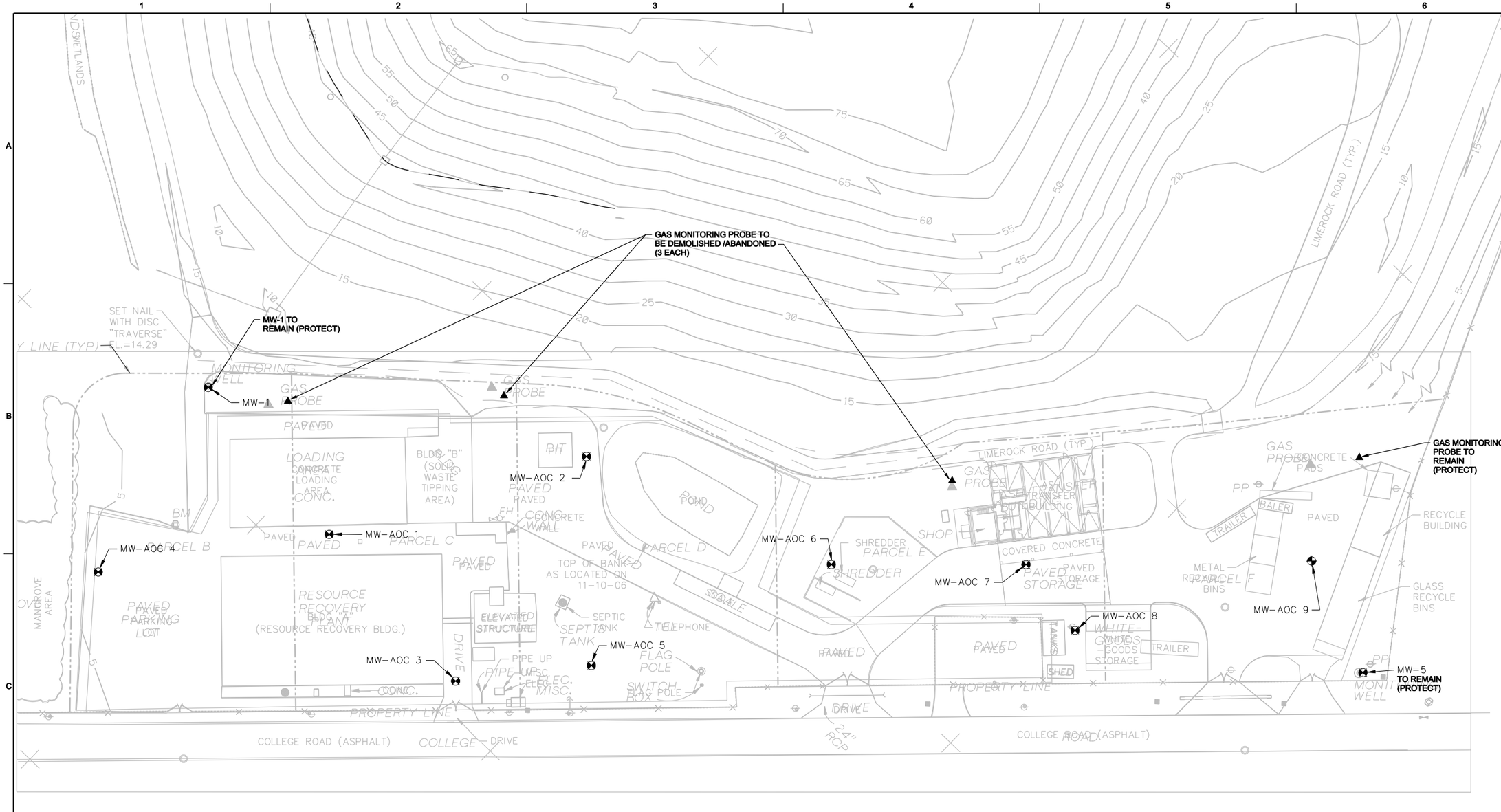


NOTES:

1. CONTRACTOR TO ABANDON ALL TEMPORARY AREA OF CONCERN WELLS (AOC) PER FDEP APPROVED REQUIREMENTS. WELLS TO BE ABANDON INCLUDE MW-AOC 1-9. MONITORING WELLS TO REMAIN ARE MW-1 AND MW-5.
2. THREE (3) GAS MONITORING PROBES TO BE ABANDONED/DEMOLISHED PER FDEP APPROVED REQUIREMENTS. GAS MONITORING PROBE OUTSIDE CONSTRUCTION AREA (NE) TO REMAIN.

NORTH

0 40 80 120
SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1992) BY CH2M HILL AND AVIROM & ASSOCIATES (OCTOBER 2006).

LEGEND
- WOOD UTILITY POLE
- CONCRETE UTILITY POLE
- 1.80 MONITORING WELL MEASURED ELEVATION
- BENCH MARK
- FENCE LINE
- EXIST. MAINTENANCE RD.
- POWER OR SERVICE POLE
- 6 CONTOURS

NO.	DATE	REVISION	BY	APVD
DSGN	D GARCIA	DR D SCHAUER CHK	D GARCIA APVD	A SMYTH

CH2MHILL.
3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001982

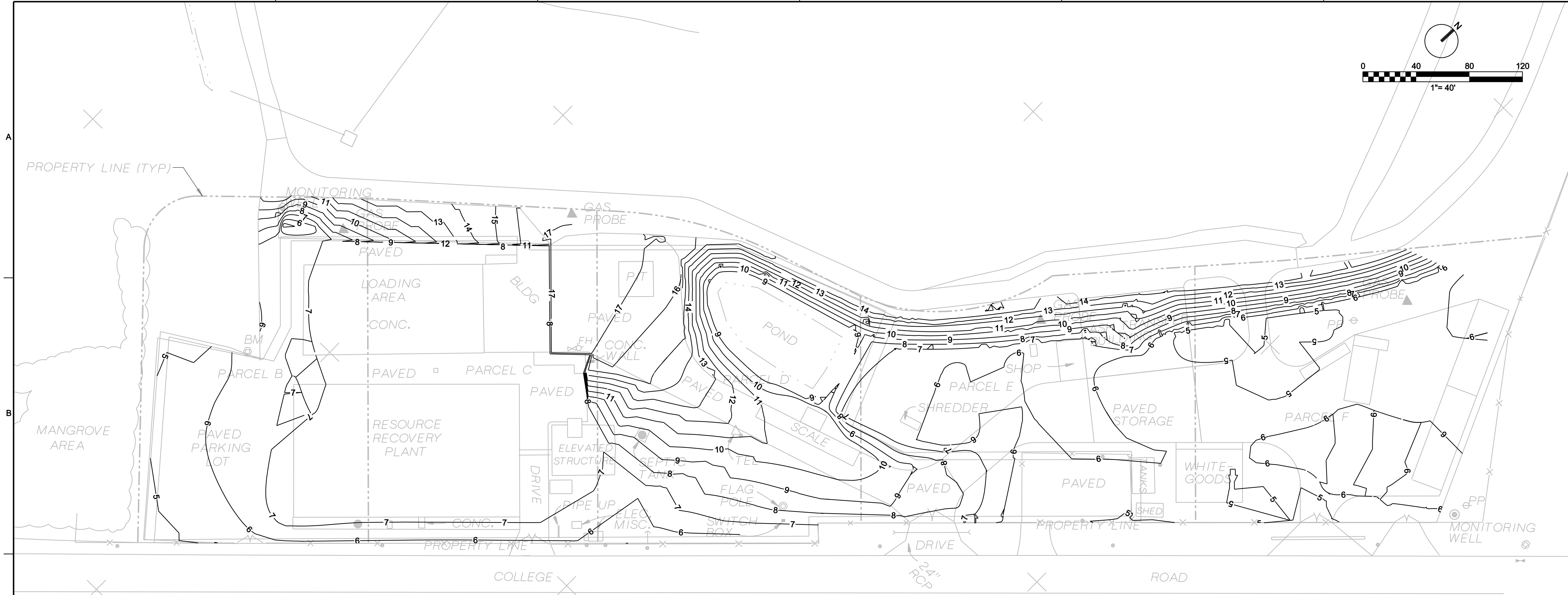
CITY OF KEY WEST
SWTE
PUBLIC TRANSPORTATION FACILITY
KEY WEST, FLORIDA

CIVIL
TEMPORARY MONITORING WELL DEMOLITION PLAN

CONSTRUCTION DRAWINGS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JUNE 2012
PROJ	413967
DWG	D-03
SHEET	5 OF 9



NOTES:

1. THE ELEVATIONS SHOWN ARE APPROXIMATE ELEVATIONS BASED ON AVAILABLE INFORMATION.
2. ELEVATIONS ARE AFTER DEMOLITION AND BEFORE INITIAL GRADING.

NO.	DATE	REVISION	BY	APVD

DSGN D GARCIA | DR D SCHAUER | CHK D GARCIA | APVD A SMYTH

CH2MHILL®

3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

CITY OF KEY WEST
SWTE
PUBLIC TRANSPORTATION FACILITY
KEY WEST, FLORIDA

CIVIL

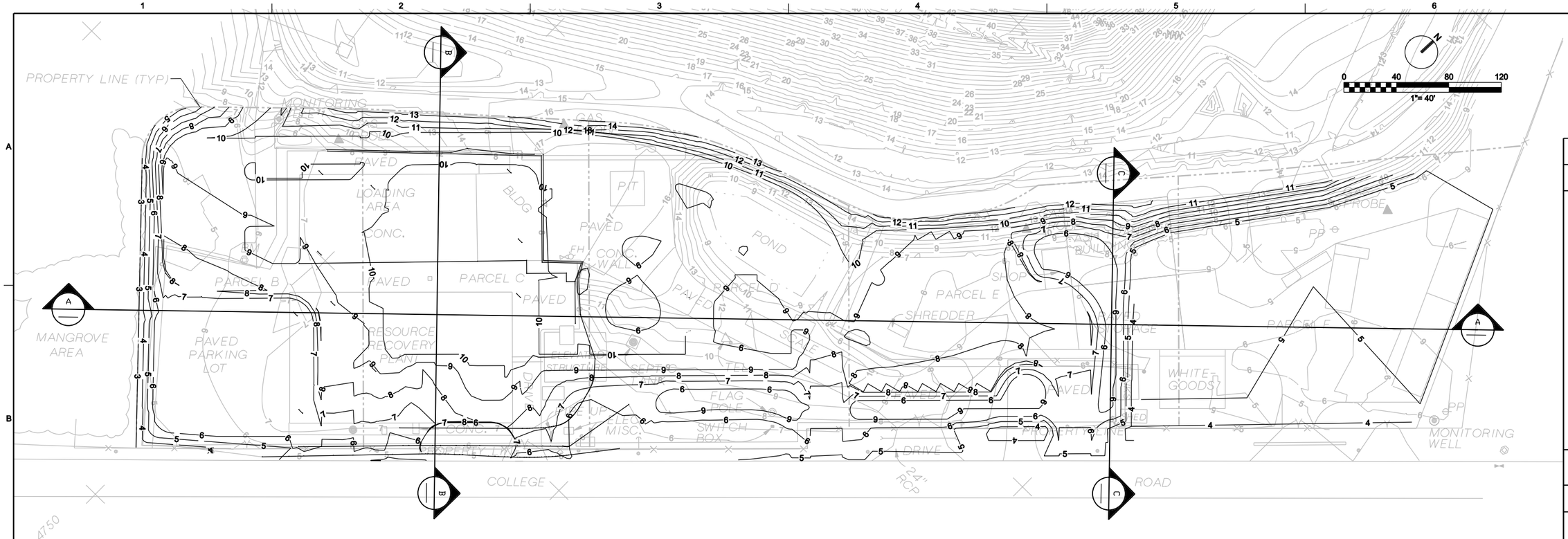
ELEVATIONS AFTER DEMOLITION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

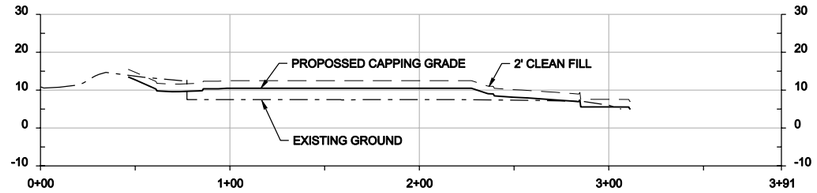
DATE	JUNE 2012
PROJ	413967
DWG	D-04
SHEET	6 OF 9

CONSTRUCTION DOCUMENTS

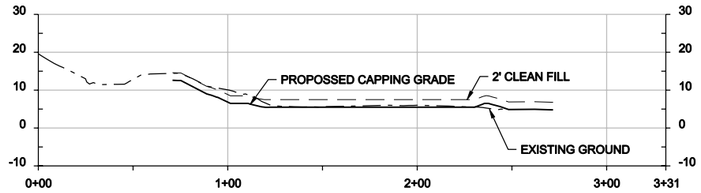


NOTES:

1. CONTRACTOR TO GRADE TO THESE ELEVATIONS USING MATERIAL AVAILABLE ON SITE.
2. CONTRACTOR TO DISPOSE OF EXCESS MATERIAL OFF SITE IN A PERMITED LANDFILL.



B SECTION
NTS



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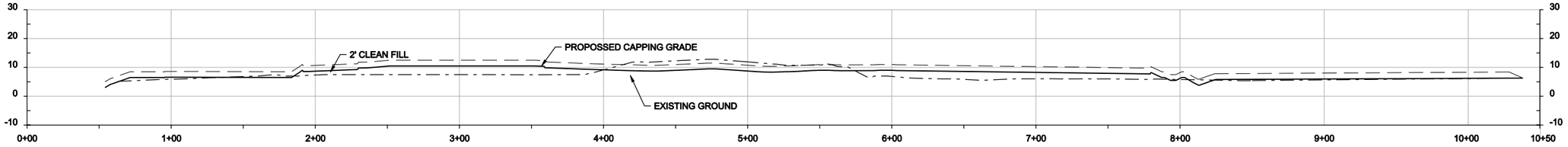


A SECTION
NTS

NO.	DATE	BY	APVD
DSGN	D GARCIA	A SMYTH	
DR	D GARCIA	D SCHAUER	D GARCIA
CHK	REVISION		APVD

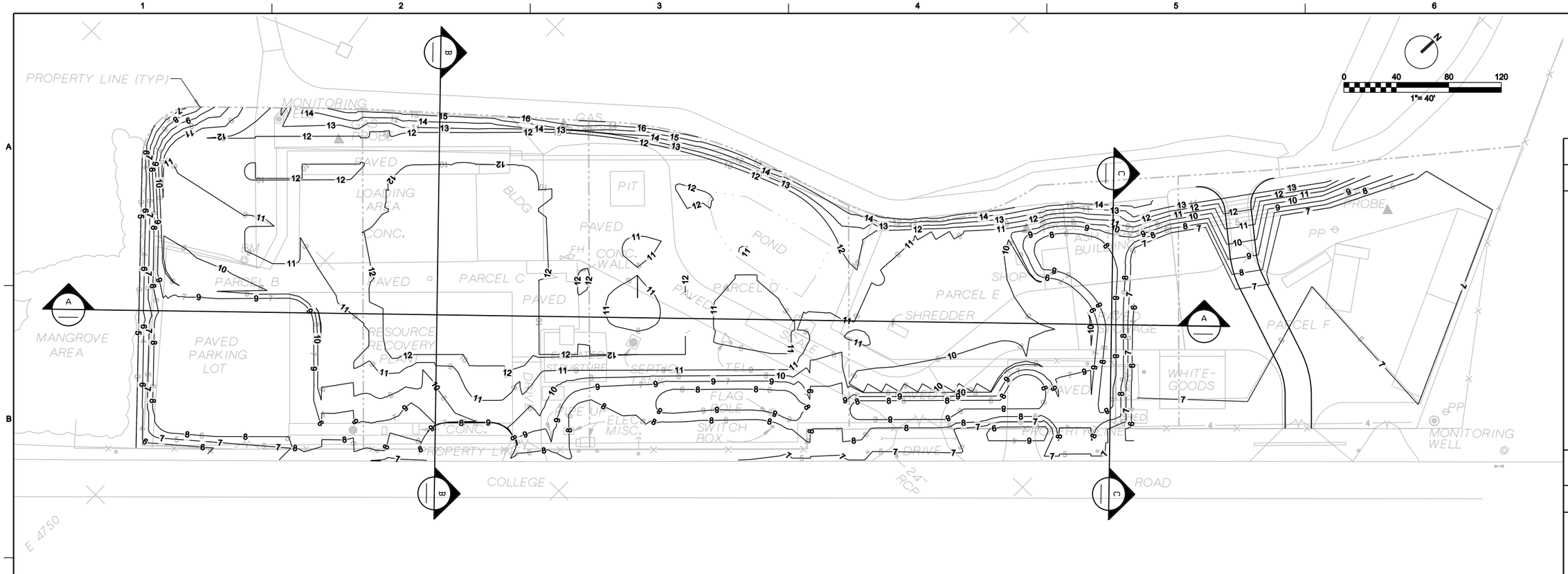
CH2MHILL
3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

CITY OF KEY WEST
SWTE
PUBLIC TRANSPORTATION FACILITY
KEY WEST, FLORIDA

CIVIL
INITIAL GRADE
ELEVATIONS BEFORE
2 FEET OF CLEAN FILL

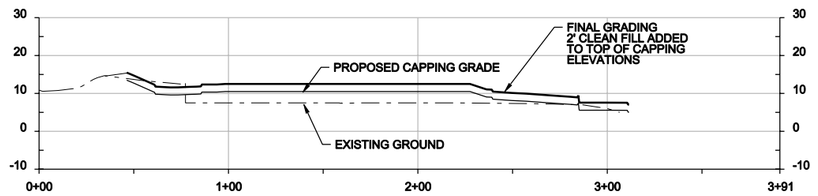
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JUNE 2012
PROJ	413967
DWG	D-05
SHEET	7 OF 9



NOTE:

1. CONTRACTOR RESPONSIBLE FOR PROPER DISPOSAL OF FILL BELOW THE 2-FOOT CLEAN CAP REMOVED FOR UTILITIES, STORMWATER POND(S) OR FOUNDATIONS.



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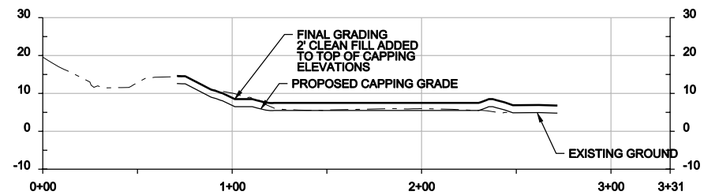

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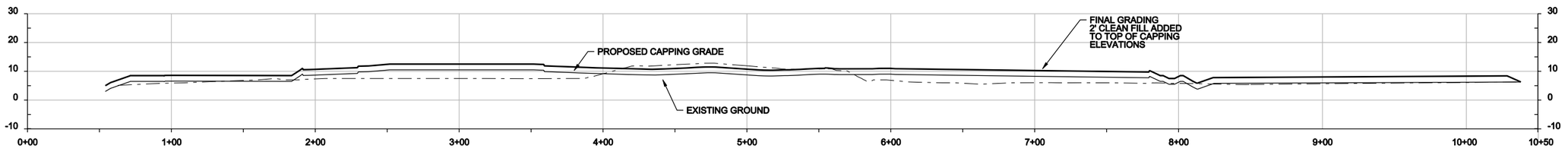


A SECTION
NTS

NO.	DATE		BY	APVD
DSGN	D GARCIA	REVISION	A SMYTH	
DR	D GARCIA	CHK	D GARCIA	APVD
	D SCHAUER			

3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

CITY OF KEY WEST
SWTE
PUBLIC TRANSPORTATION FACILITY
KEY WEST, FLORIDA

CH2MHILL

CIVIL

FINAL GRADING ELEVATIONS AFTER 2 FOOT OF CLEAN FILL ADDED

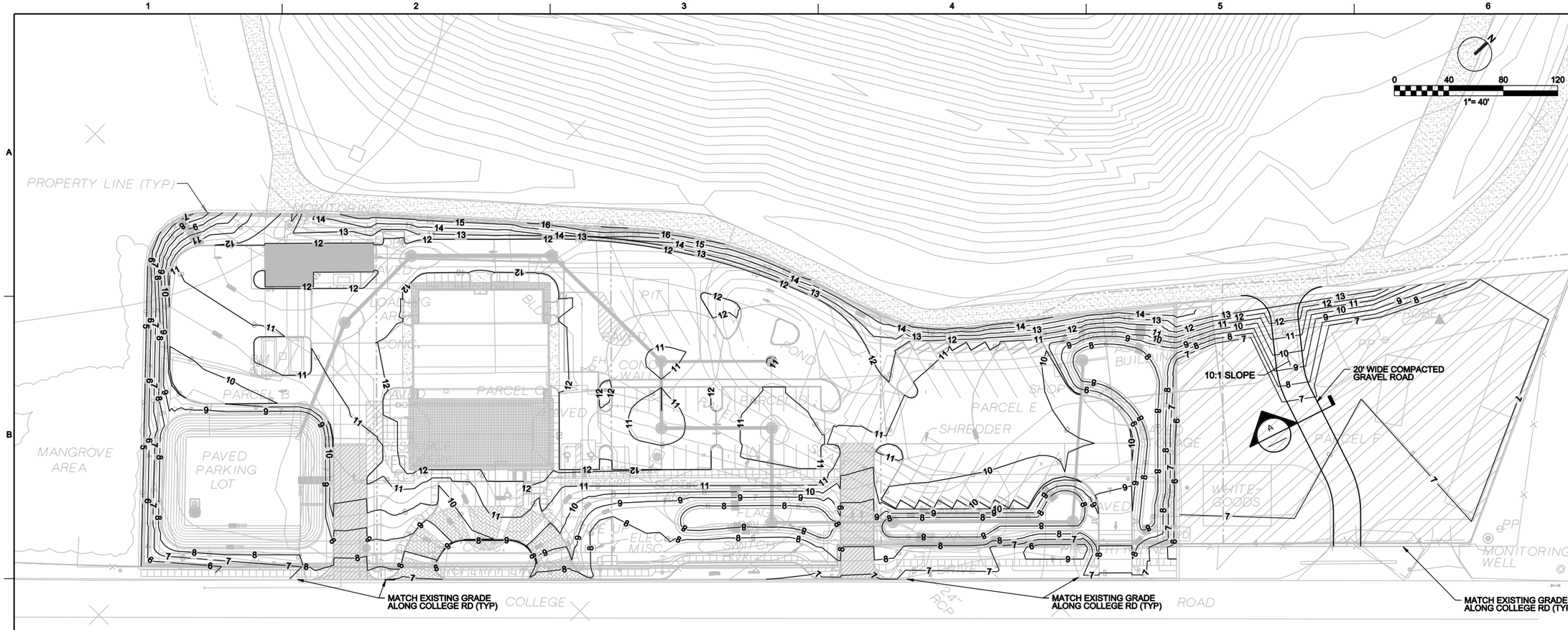
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL.

CONSTRUCTION DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

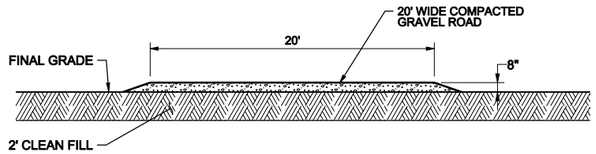
DATE	APRIL 2012
PROJ	413967
DWG	D-06
SHEET	8 OF 9

FILENAME: 005-D-006_413967.dgnPLOT DATE: 6/20/2012 PLOT TIME: 10:25:06 AM



NOTE:

1. MATERIAL REMOVED FOR EXCAVATION FOR STORMWATER POND(S), UTILITIES AND FOUNDATIONS BELOW 2-FOOT OF CLEAN FILL IS TO BE DISPOSED OF PROPERLY AND IS NOT PART OF THE DEMOLITION.



SECTION A
NTS

NO.	DATE	REVISION	BY	APVD
DSGN	D GARCIA	DR D SCHAUER CHK D GARCIA APVD	A SMYTH	

3011 S.W. WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

CITY OF KEY WEST
SWTE
PUBLIC TRANSPORTATION FACILITY
KEY WEST, FLORIDA

CH2MHILL.

CIVIL
FINAL SITE GRADING PLAN

CONSTRUCTION DOCUMENTS

1" = X'
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JUNE 2012
PROJ	413967
DWG	D-07
SHEET	9 OF 9

Appendix F

Florida Department of Environmental Protection (FDEP) Site Plan Assessment Approval

Florida Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, FL 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

April 18, 2011

City of Key West
c/o Jay Gewin, Utilities Manager
E-mailed to: jgewin@keywestcity.com
525 Angela Street
Key West, Florida 33040

Subject: Site Assessment Plan Approval
FDEP Facility ID: WACS 79636
Former Southernmost Waste-to-Energy Facility
5701 College Road
Key West, Florida, Monroe County

Dear Mr. Gewin:

The Waste Management Section has reviewed the Interim Remedial Action Report document (IRAP), submitted for the former Southernmost Waste-to-Energy Facility on behalf of the City of Key West, and prepared by CH2M Hill, dated April 1, 2011; along with supplemental information stored in the Florida Department of Environmental Protection (the Department) OCULUS system for the Facility ID: WACS 79636.

The Department recommends that 2 (two) additional monitoring wells be added to the groundwater monitoring plan and placed outside the footprint of the ash transfer building on the the North West and South East side's as indicated on the attached drawing (Attachment I) and that Thallium and Arochlor (PCB) be added to the list of monitoring parameters.

With the inclusion of the above recommended additional monitoring wells and parameters, the Department finds that the documents submitted are adequate to meet the site assessment requirements of Rule 62-780.600 Florida Administrative Code (F.A.C.). The Department has determined that the actions proposed in this IRAP represent a reasonable strategy toward accomplishing the site assessment objectives of Chapter 62-780, F.A.C. and are compatible with the City's intended future use, which include plans to relocate their existing downtown Key West Department of Transportation bus maintenance building and facilities (Transit Facility) to the Southernmost Waste-to-Energy (SWTE) Facility site located at

Stock Island. Pursuant to paragraph 62-780.600, F.A.C., The Department approves the IRAP subject to the addition of the recommended groundwater monitoring wells and additional parameters.

Groundwater monitoring at this site shall continue for an indefinite period of time, however; should the City of Key West desire to achieve final closure for the site at some future date and pursue a No Further Action (NFA) in accordance with Chapters 62-780.690 and 62-780.700, F.A.C., a subsequent phase of remedial design will be necessary.

If you have any question, please feel free to call me at (239) 344-5648. Whenever possible, please submit written documentation to james.harcourt@dep.state.fl.us and include the WACS ID number in your correspondence.

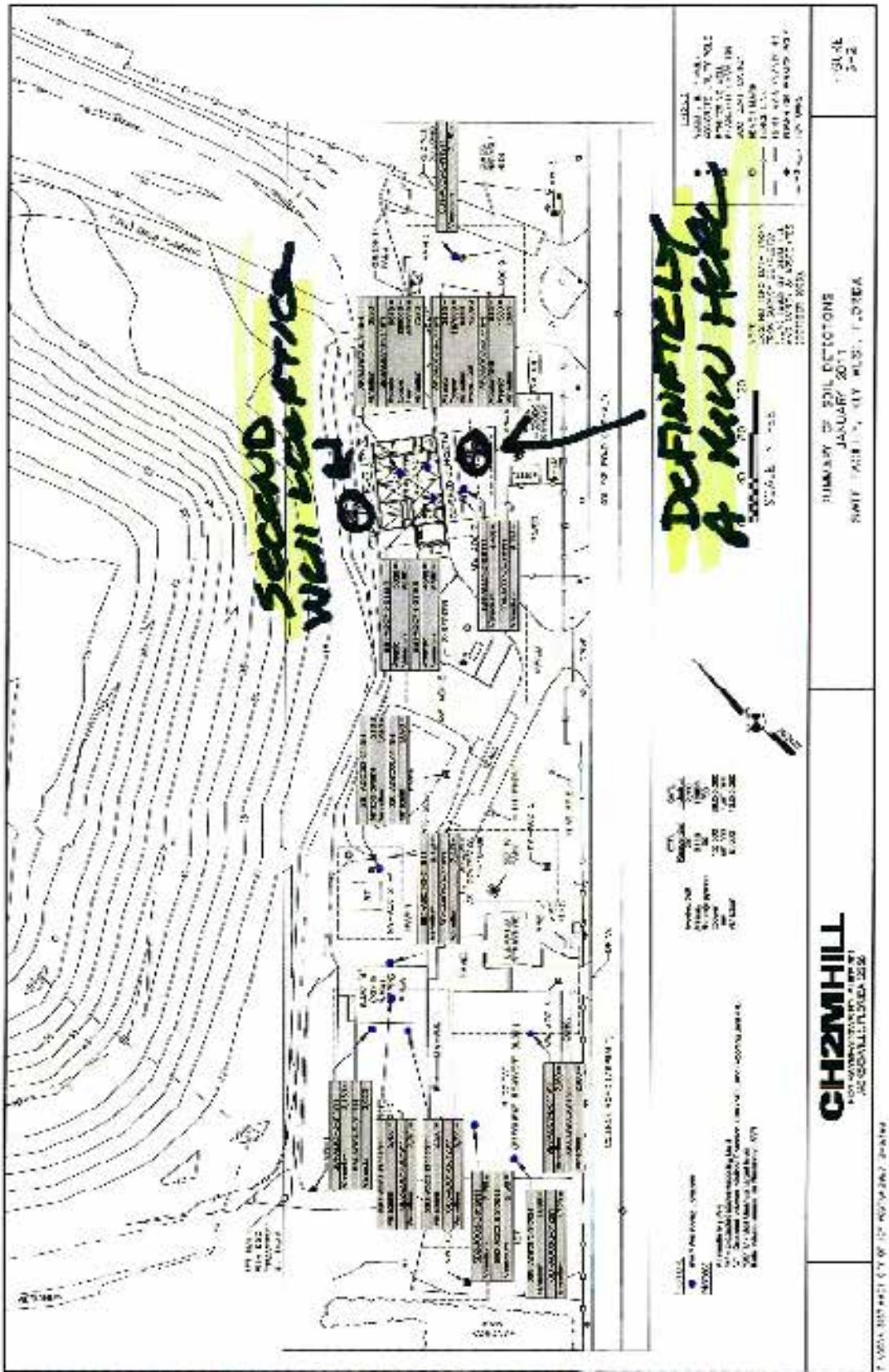
Sincerely,

James Harcourt, P.G. II
Florida Department of
Environmental Protection
South District, Waste Management

Attachment

cc: R. J. Bruner III, P.E. CH2M Hill (via e-mail to bo.bruner@ch2m.com)
Bill Krumbholz (via e-mail to bill.krumbholz@dep.state.fl.us)
Barbara Nevins (via e-mail to barbara.nevins@dep.state.fl.us)

Attachment I



CH2MHILL

3011 S.W. Williston Road
Gainesville, FL 33608
Tel 352.335.7991
Fax 352.335.2959

April 1, 2011

413967

Mr. James Harcourt
Florida Department of Environmental Protection
South District
2295 Victoria Ave., Suite 364
Fort Myers, FL 33901

Subject: Interim Remedial Action Report for Southernmost Waste-to-Energy Facility, Key West, Florida

Dear Mr. Harcourt:

Attached for your review is a copy of the Interim Remedial Action Report (IRAR) for the Southernmost Waste-to-Energy Facility (SWTE). Please review the IRAR and provide us with FDEP comments.

If FDEP concurs with the report and its recommendation, please provide us with a letter indicating that FDEP agrees with the IRAR and its recommendations and that if the City follows those recommendations FDEP approves construction of a new transit facility on the existing SWTE facility site.

If you have any questions or comments regarding the IRAR, please give me a call.

Sincerely,

CH2M HILL

R. J. Broner III, P.E.
Project Engineer

GNV/Harcourt Letter 04_01_10.docx

c: Bill Krumbholtz/FDEP Ft. Meyers
Barbara Nevins/FDEP Marathon
Jay Gewin/City of Key West
Andrew Smyth/CH2M HILL/KWF

Southernmost Waste to Energy Facility

Interim Remedial Action Report

Key West, Florida

Prepared for:

The City of Key West

Prepared by:

March 2011

Table of Contents

Acronyms and Abbreviations

AOC	Area of Concern
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
ft bgs	feet below ground surface
GCTL	groundwater cleanup target level
IRAP	Interim Remedial Action Plan
IRAR	Interim Remedial Action Report
NEPA	National Environmental Policy Act
PCBs	polychlorinated biphenyls
PSA	Preliminary Site Assessment
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
SCTL	soil cleanup target level
SVOC	semi-volatile organic compound
SWTE	Southernmost Waste-to-Energy
µg/L	micrograms per liter
VOC	volatile organic compound

1.0 Introduction

This Interim Remedial Action Report (IRAR) is being prepared by CH2M HILL for the City of Key West, Florida (City). The City plans to relocate their existing downtown Key West Department of Transportation bus maintenance building and facilities (Transit Facility) to the Southernmost Waste-to-Energy (SWTE) Facility site located at Stock Island (**Figure 1-1**). Compliance with the National Environmental Policy Act (NEPA) for the proposed site improvements are being required for federal funding aspects for the project. The City plans on using solid waste funds to demolish the existing facilities and bring the site into compliance with the Transit Facility funding requirements.

1.1 Project Objectives

Prior investigations at the SWTE facility have been conducted to assess contaminant concentrations. Levels of arsenic and vanadium in soil have previously been found exceeding residential soil cleanup target levels (SCTLs) and levels of Arochlor 1016 and thallium in groundwater have been found exceeding the groundwater cleanup target levels (GCTLs). Cleanup criteria are based on Table I (Groundwater Criteria) and Table II (Soil Criteria), Chapter 62-777, Florida Administrative Code (F.A.C.). The evaluation of the Interim Remedial Action Plan (IRAP) data will be used to develop site remediation requirement for future use of the facility.

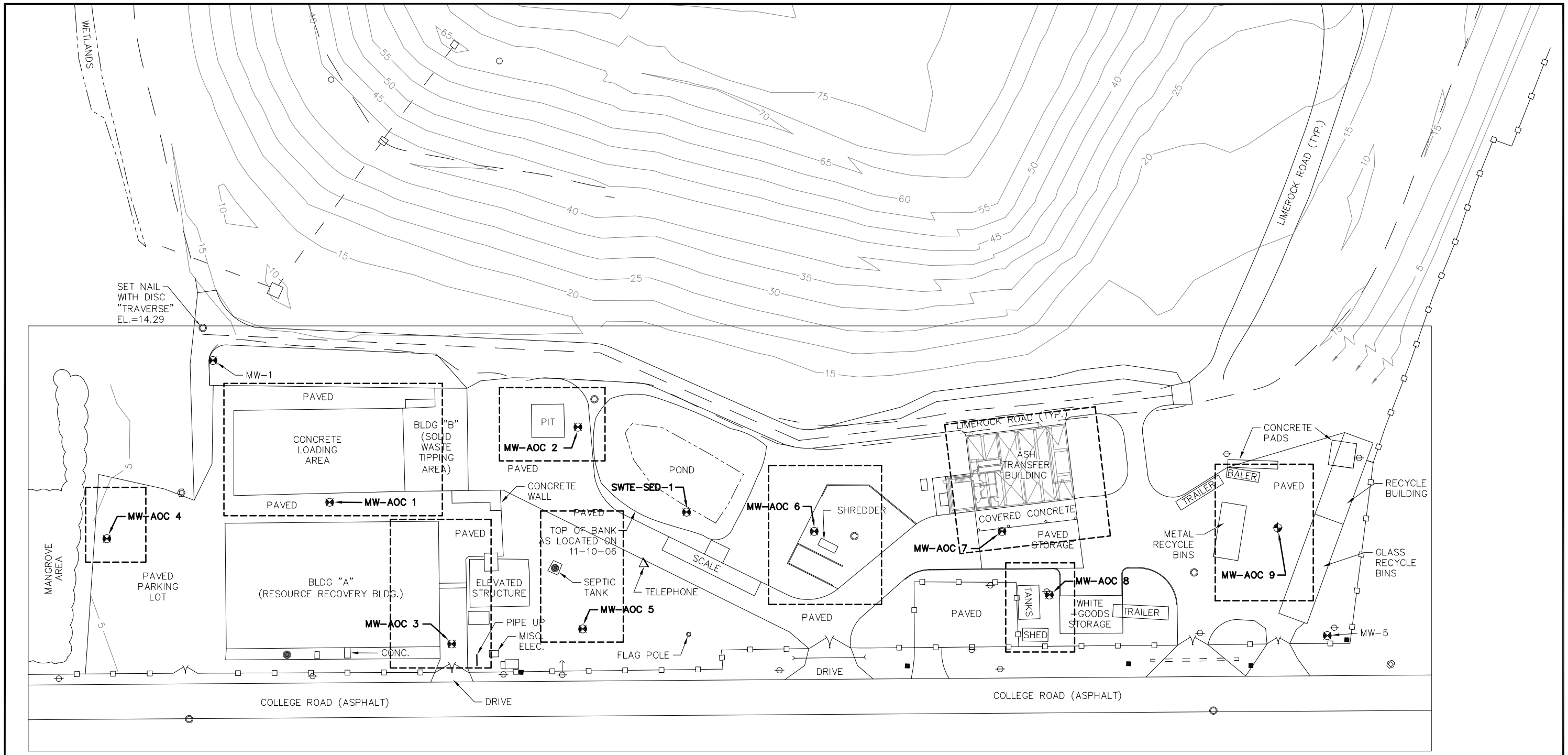
1.2 Site History and Background

The SWTE facility began operations in 1986 and handled a maximum of 150 tons of garbage per day. The facility served a population of approximately 39,000 and at full operating capacity, provided 2.3 megawatts/hour of electrical power that was sold to City Electric System. The City operated the SWTE facility under operating permits issued by the Florida Department of Environmental Protection (FDEP).

Following the closure of the waste incinerator and power production facilities at the SWTE facility in April 2004, the tipping floor and waste storage pit at the SWTE facility were converted to a temporary solid waste transfer facility. The pit that had been used for waste storage during incinerator operation was filled by the City and a concrete slab was poured over the fill. The filled pit and tipping area were then used for temporary storage of waste awaiting transport and disposal by Waste Management, through a contract with the City.

In September 2007, the City began construction of a solid waste transfer station located on approximately 4.0 acres in Rockland Key, Monroe County, Florida. Certification of Construction Completion for the new transfer station was approved by FDEP on July 22, 2009 and the facility began operation on August 24, 2009. Upon the start of operations at the new transfer station, all solid waste was removed and the SWTE facility was closed as a solid waste processing facility.

The SWTE facility, which included the waste-to-energy facility, an ash transfer building and recycling operations, was located on approximately 4.5 acres adjacent to the Stock Island Landfill. The landfill was closed in 1993.



NORTH

0 40 80 120

SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1992) BY CH2M HILL AND AVIROM & ASSOCIATES (OCTOBER 2006).

LEGEND

- WOOD UTILITY POLE
- CONCRETE UTILITY POLE
- 1.80 MONITORING WELL MEASURED ELEVATION
- AOC IDENTIFICATION
- BENCH MARK
- FENCE LINE
- EXIST. MAINTENANCE RD.
- POWER OR SERVICE POLE
- 6 CONTOURS

CH2MHILL
9428 BAYMEADOWS RD SUITE 300
JACKSONVILLE, FLORIDA 32256

SITE PLAN WITH IDENTIFIED AOC'S
OCTOBER 2006
SWTE, KEY WEST, FLORIDA

FIGURE
1-1

P:\KEYWESTFLCITYOF\346804WTESITEACCESS\REPORTING\FIGURES\SOIL-EXCEEDANCES.DWG

1.3 Summary of Existing Site Data

A Preliminary Site Assessment (PSA) performed by CH2M HILL in 2007 investigated nine areas of concern (AOCs) previously identified at the facility. The results of the PSA were presented in the "Preliminary Site Assessment Report, Southernmost Waste-to-Energy Facility," CH2M HILL, April 2007. The results of the PSA indicated both soil and groundwater at the site had been impacted by past operations. Arsenic was detected in soil at AOC-1, -5, and -6 exceeding the residential SCTLs and vanadium was detected in soil at AOC-1 exceeding its residential SCTL. In groundwater, Arochlor 1016 was detected at AOC-1 above its GCTL and lead and thallium were detected above their respective GCTLs in groundwater at AOC-7. In addition, bis(2-ethylhexyl)phthalate was detected above its GCTL in groundwater at AOC-6 and background well MW-1; however, these detections were flagged as possible laboratory artifacts. A summary of historical detections can be found in **Table 1-1**.

Recommendations based on the PSA included further soil sampling and analysis for arsenic and vanadium to establish site specific background conditions. The PSA also recommended additional sampling of groundwater at AOC-1, AOC-6, and MW-1 for metals analysis and at AOC-1 to determine if Arochlor 1016 was present as an actual groundwater contaminant or the result of monitoring well installation activities.

A follow up groundwater sampling effort was conducted and the results presented in a Technical Memorandum tilted "Resampling of Specific Monitoring Wells" prepared for R. B. Havens, City of Key West, by T. Langille, CH2M HILL and dated September 25, 2007. The results of the resampling indicated that Arochlor 1016 was present as a groundwater contaminant. Additionally, thallium was again detected above its GCTL in groundwater at AOC-7 (**Table 1-1**).

Based on the results of the groundwater resampling effort, CH2M HILL recommended that groundwater analyses for Arochlor 1016 at AOC-1 and for thallium at AOC-7 should be added to the facility closure monitoring requirements.

Table 1-1

Summary of Historical Detections

SWTE Facility, Key West, FL

GROUNDWATER								
	Location:	**MW-AOC1**	**MW-AOC2**	**MW-AOC6**	**MW-AOC7**	**MW-1**	**MW-AOC1**	**MW-AOC7**
	Date:	**11/10/2006**	**11/11/2006**	**11/11/2006**	**11/11/2006**	**11/10/2006**	**7/27/2007**	**7/27/2007**
Parameter	**GCTL (µg/L)**	**Results (µg/L)**						
Arochlor 1016	0.5	**3.6**	ND	ND	0.48 I	ND	**3**	NA
Bis(2-ethylhexyl)phthalate	6	ND	ND	**11.3**	ND	**14.2**	NA	NA
Lead	15	2.4	ND	3.7	**28.4**	2.3	NA	ND
Thallium	2	ND	**3.4**	ND	**3.9**	ND	NA	**3.3 I**
SOIL								
	Location:	**AOC1**	**AOC3**	**AOC4**	**AOC5**	**AOC6**	**AOC8**	
	Date:	**10/10/2006**	**10/11/2006**	**10/10/2006**	**10/12/2006**	**10/11/2006**	**10/10/2006**	
	Depth (ft bgs)**:**	**4-Feb**	**0 - 2**	**4-Feb**	**4-Feb**	**6-Apr**	**6-Apr**	
Parameter	**Residential SCTL (mg/Kg)**	**Industrial SCTL (mg/Kg)**	**Results (mg/Kg)**					
Arsenic	2.1	12	**4.9**	ND	ND	**2.1**	**3**	5.1
Vanadium	67	10,000	**415**	2.6 I	3.5 I	5.3 I	5.7	14.9

Notes:

Bold values exceed cleanup target levels

GCTL - Groundwater Cleanup Target Level

µg/L - micrograms per liter

ND - not detected

ft bgs - feet below ground surface

SCTL - Soil Cleanup Target Level

mg/Kg - milligrams per kilogram

2.0 Sample Collection

The field investigation conducted as part of the IRAP included the collection of soil and groundwater samples for laboratory analysis. Sampling locations are presented in **Figure 2-1**.

2.1 Groundwater

Groundwater sampling was performed on January 20 and 21, 2011 at two existing monitoring wells using a peristaltic pump and disposable tubing. Groundwater results from the PSA and follow up resampling effort showed concentrations of Arochlor 1016 above its GCTL in MW-AOC1 and concentrations of thallium above its GCTL in MW-AOC7. Prior to sampling, field parameters including temperature, pH conductivity, turbidity, and dissolved oxygen were monitored and recorded. Field parameter data sheets are included in **Appendix A**.

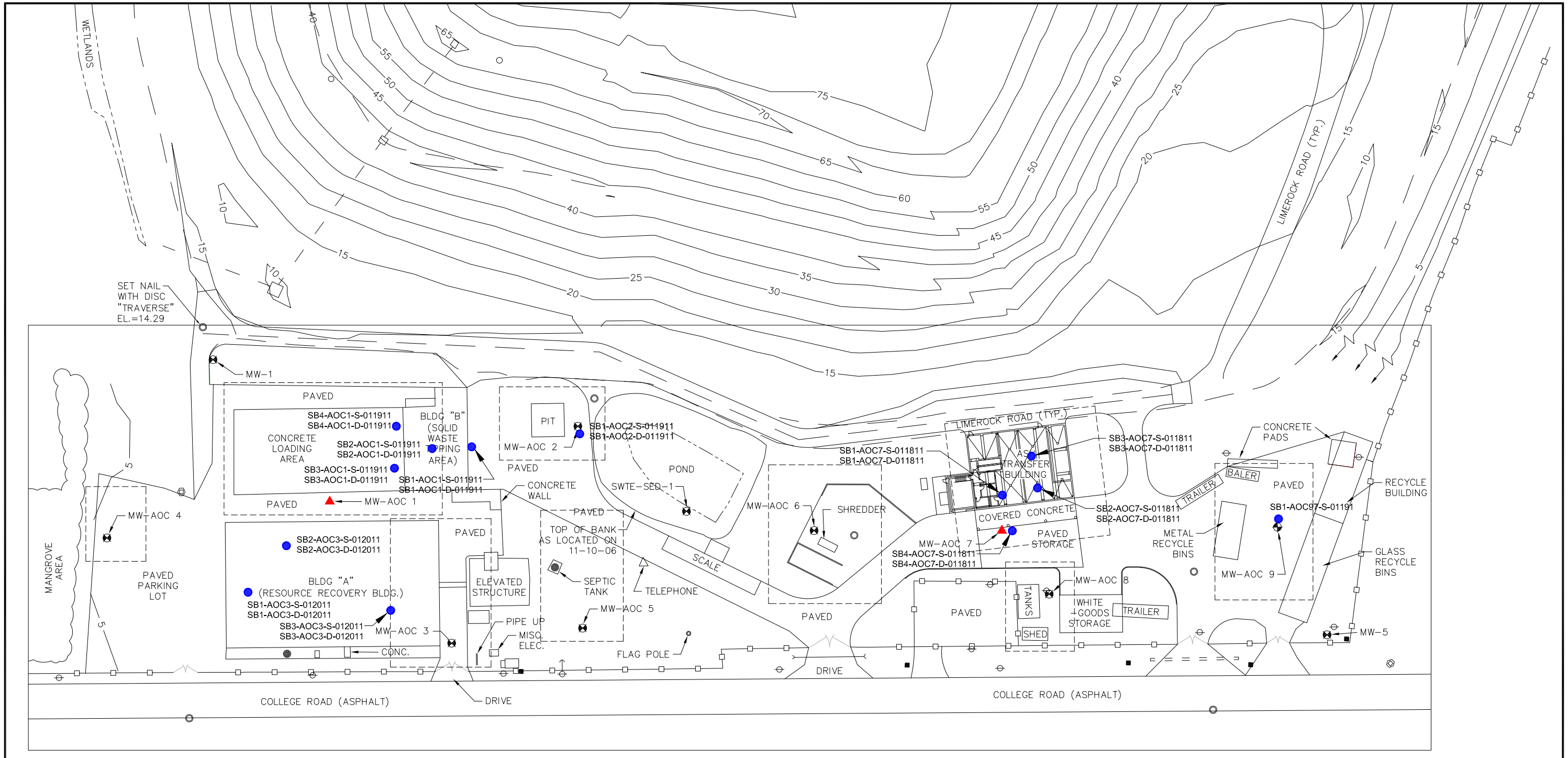
Groundwater laboratory analyses were conducted by PEL Laboratories in Tampa, Florida. Both groundwater samples and associated quality assurance (QA) and quality control (QC) samples were collected and submitted for analyses of volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and Resource Conservation and Recovery Act (RCRA) Appendix IX metals, and mercury.

2.2 Soil

Soil sampling was performed on January 18, 19, and 20, 2011. Soil samples were collected from 13 locations for a total of 25 samples. Most locations included two sample depths, 0-6” and 6-24”; however, at location SB1-AOC9 the deeper sample was not collected due to refusal at 3”.

The soil sample locations included borings adjacent to monitoring wells at AOC-2, AOC-7, and AOC-9; at 2 locations beneath the former incinerator building tipping floor; 2 locations adjacent to the west wall of the former incinerator building waste storage pit; 3 locations beneath the ash transfer building; and 3 locations beneath the maintenance / office building.

Soil laboratory analyses were conducted by PEL laboratories in Tampa, Florida. All soil samples and associated QA/QC samples were collected and submitted for analyses of VOCs, semivolatile organic compounds (SVOCs), organochlorine pesticides, PCBs, RCRA Appendix IX metals, and mercury.



▲ Groundwater Sampling Location

● Soil Boring Location

NORTH

0 40 80 120

SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1992) BY CH2M HILL AND AVIROM & ASSOCIATES (OCTOBER 2006).

LEGEND

- WOOD UTILITY POLE
- CONCRETE UTILITY POLE
- 1.80 MONITORING WELL MEASURED ELEVATION
- AOC IDENTIFICATION
- BENCH MARK
- FENCE LINE
- EXIST. MAINTENANCE RD.
- POWER OR SERVICE POLE
- 6 CONTOURS

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IRAP SAMPLING LOCATIONS
JANUARY 2011
SWTE, KEY WEST, FLORIDA

FIGURE 2-1

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3.0 Analytical Results

3.1 Data Quality Evaluation

The data were validated by a CH2M HILL chemist for compliance with the analytical method requirements. Validation also included a review of the data to assess the accuracy, precision, and completeness following procedures modeled on the EPA guidance document *National Functional Guidelines for Organic Data Review* (EPA, 2008) and *National Functional Guidelines for Inorganic Superfund Data Review* (EPA, 2010). While all QA/QC summary forms and data reports were reviewed, the evaluation focus was on three areas: potential blank contamination - were any low-level detections due to potential blank contamination; multiple results - were multiple results reports as in the case of a dilution; and rejected data - were any other QC issues noted that would cause data to be rejected. The data set was also evaluated to identify potential data limitations, uncertainties, or both in the analytical results.

In those instances where multiple analyses were performed, the analytical run with the lowest reporting limits was used, if the QC criteria were met for that analysis. If a sample was analyzed more than one time due to a target parameter concentration above the calibration range, the results for all parameters from the lowest dilution were used, except for those parameters exceeding the calibration range which were reported from the diluted analysis. In those instances where multiple analyses were performed with QC criteria out in all analyses, the analytical run with the least number of exceptions or best possible QC was chosen for reporting purposes.

Carbon disulfide was detected in an equipment blank sample at a concentration of 5.0 µg/L. All concentrations reported in the samples that were below 5 times the value in the blank sample, so could be considered as possible blank contamination. The carbon disulfide result in sample SB4-AOC7-S-011811 was qualified as not detected.

The concentration of Arochlor 1248 in sample SB2-AOC7-D-011811 exceeded calibration range. The sample was re-analyzed at a dilution, and the result from the dilution was reported. The volatile analysis was repeated due to high surrogate recoveries. The pesticide analysis was reanalyzed due to matrix interferences. The “best value” was chosen and reported.

The volatile analysis for sample SB1-AOC7-S-011811 was reanalyzed due to high surrogate recoveries. The volatile analysis for sample MW-AOC7-012111 was reanalyzed due to low surrogate recoveries.

No data were rejected during the data review/validation process due to QC failures such that there is not a valid result for each target compound for each sample.

3.2 Groundwater Analytical Results

Concentrations of compounds detected in groundwater are summarized in **Table 3-1** and shown on **Figure 3-1**. Groundwater analytical results for all parameters analyzed during the IRAP investigation

sampling events are presented in **Appendix B**. The groundwater monitoring laboratory analytical data reports are included in **Appendix C.**

Nine inorganics were detected in groundwater samples collected during the IRAP; however, none of the compounds exceeded the corresponding GCTLs. Additionally, neither of the compounds previously found exceeding GCTLs, Aroclor 1016 and thallium, was detected in groundwater at either location.

Table 3-1
Summary of Groundwater Results
SWTE Facility, Key West, FL

	Location:	MW-AOC1		MW-AOC7	
	Sample ID:	MW-AOC1-012011		MW-AOC7-012111	
Analyte	**GCTL (µg/L)**	**Results (µg/L)**			
Arsenic	10	3.42	J	3.31	U
Barium	2000	282	=	380	=
Chromium	100	1.2	J	2.34	J
Cobalt	140	0.37	U	1.1	J
Copper	1000	2.7	U	5.33	J
Lead	15	5.33	J	3.87	J
Nickel	100	0.93	U	7.02	J
Vanadium	49	0.44	U	1.22	J
Zinc	5000	5.24	J	4	U

Notes:
"=" - Detected above Reporting Limit
"J" - Detected between Method Detection Limit and Reporting Limit
"U" - Not Detected
GCTL – Groundwater Cleanup Target Level
µg/L - micrograms per liter

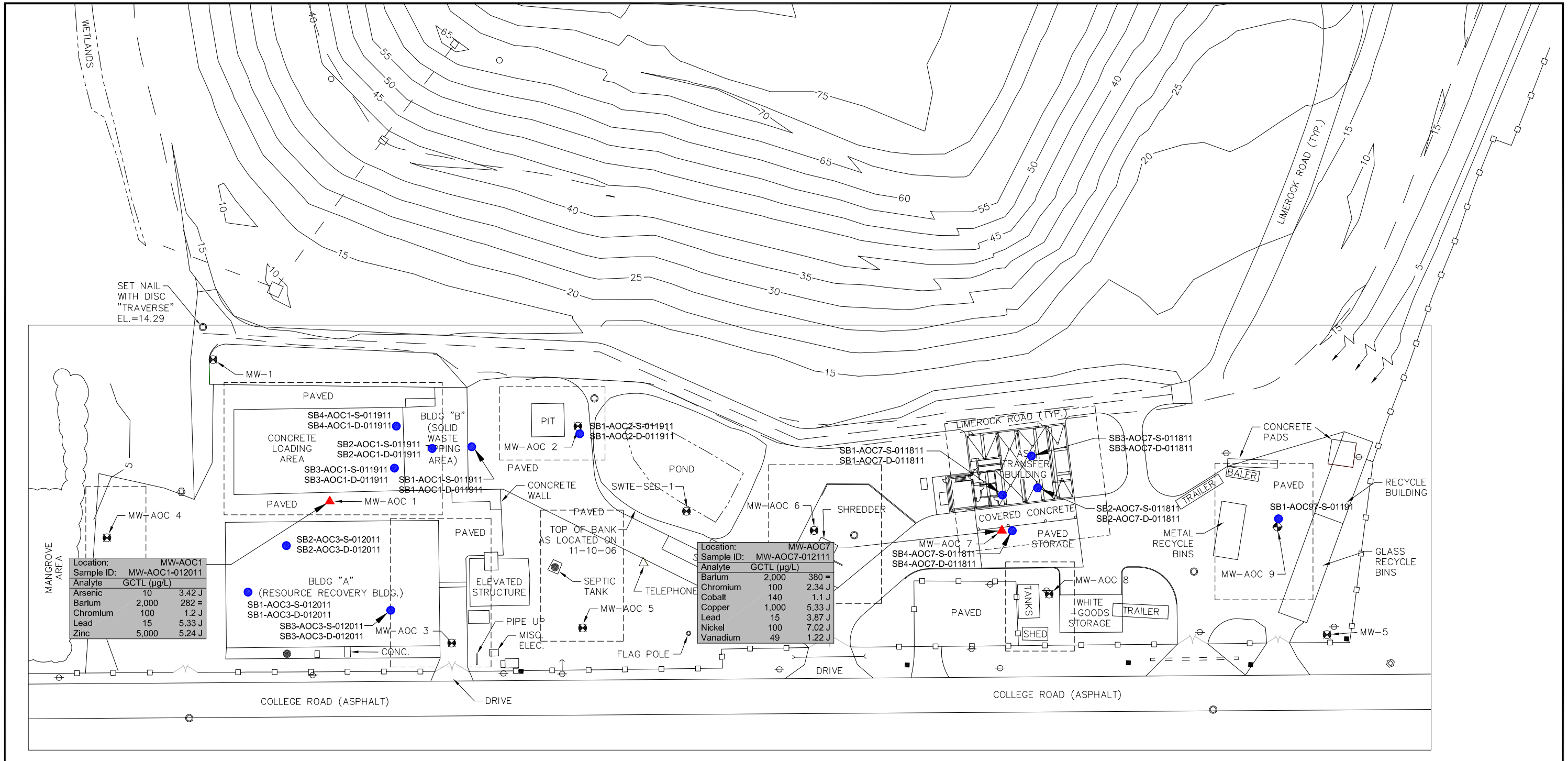
3.3 Soil Analytical Results

Concentrations of compounds exceeding SCTLs in soil are summarized in **Table 3-2.** All compounds detected in soil are shown on **Figure 3-2**. Soil analytical results for all parameters analyzed during the IRAP investigation sampling events are presented in **Appendix B**. The soil laboratory analytical data reports are included in **Appendix C.**

The inorganics analysis showed that vanadium was detected in all 25 samples collected; however, it did not exceed SCTLs at any location. Arsenic was detected in five samples and exceeded the residential SCTL of 2,100 micrograms per kilogram (µg/kg) in four samples. Copper was detected in 2 samples and exceeded the residential SCTL of 150,000 µg/kg in both. Lead was detected in 1 sample and exceeded its residential SCTL of 400,000 µg/kg.

In addition, Aroclor 1248 was detected in two samples and exceeded the residential SCTL of 500 µg/kg in both, and benzo(a)pyrene was detected in one sample and exceeded its residential SCTL of 100 µg/kg.

None of the soil samples collected exceeded any of the industrial SCTLs.



Legend

- IRAP Soil Boring Locations
- Groundwater Sampling Location

Notes

"=" - Dectected above reporting limit
"J" - Dectected between method detection limit and reporting limit
GCTL - Groundwater Cleanup Target Level
µg/L - micrograms per liter

NORTH

0 40 80 120
SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1992) BY CH2M HILL AND AVIROM & ASSOCIATES (OCTOBER 2006).

LEGEND

- WOOD UTILITY POLE
- CONCRETE UTILITY POLE
- 1.80 MONITORING WELL MEASURED ELEVATION
- AOC IDENTIFICATION
- BENCH MARK
- FENCE LINE
- EXIST. MAINTENANCE RD.
- POWER OR SERVICE POLE
- 6 CONTOURS

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SUMMARY OF GROUNDWATER DETECTIONS JANUARY 2011 SWTE FACILITY, KEY WEST, FLORIDA

FIGURE 3-1

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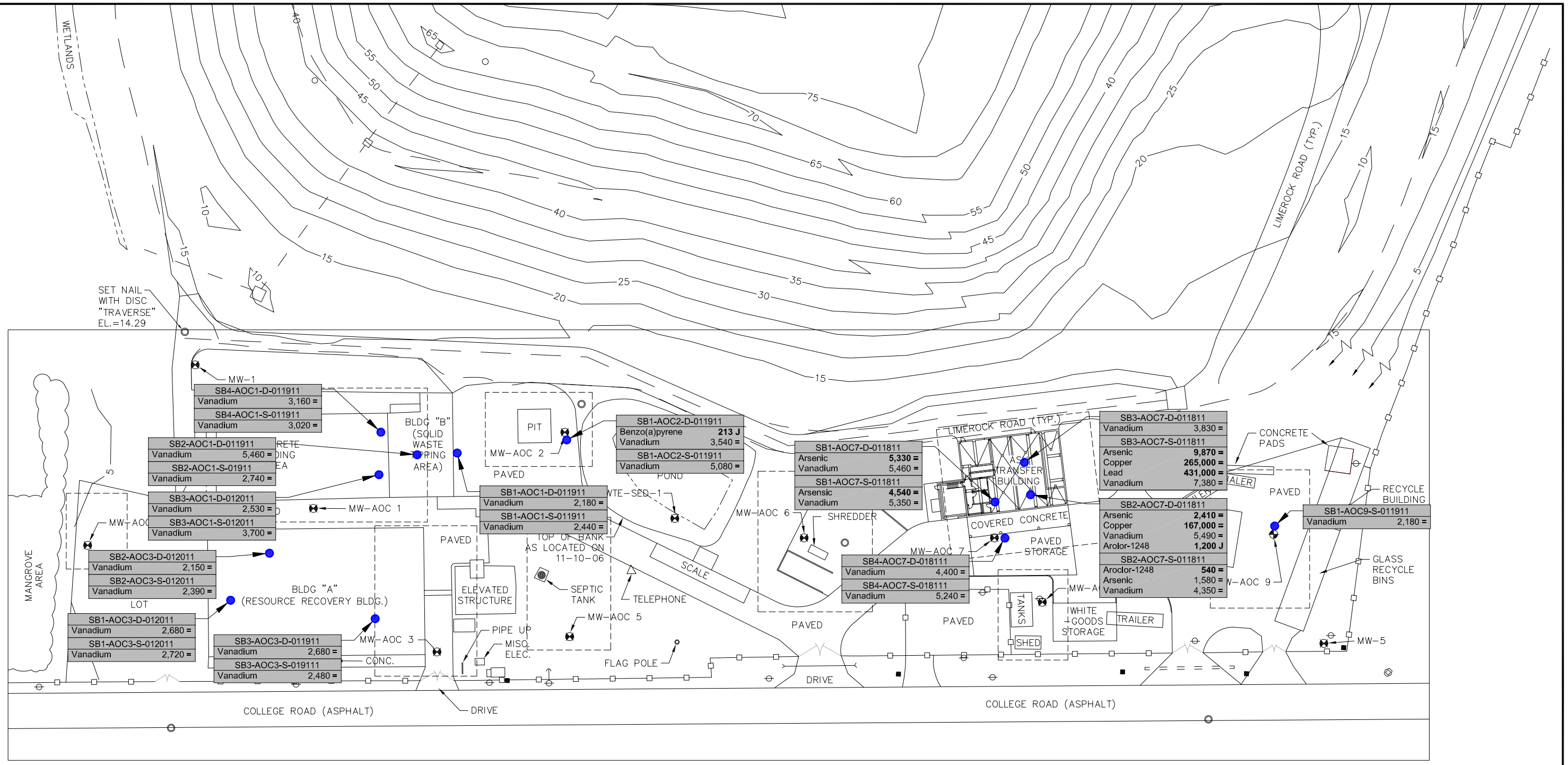

Legend

- IRAP Soil Boring Locations

Notes:

All results in µg/kg
"=" - Dectected above Reporting Limit
"J" - Detected between Method Detection Limit (MDL) and Reporting Limit (RL)
"SCTL" - Soil Cleanup Target Level
Bold values exceed the Residential SCTL

	SCTL Residential	SCTL Industrial
Aroclor-1248	500	2,600
Arsenic	2,100	12,000
Benzo(a)pyrene	100	700
Copper	150,000	89,000,000
Lead	400,000	1,400,000
Vanadium	67,000	10,000,000

NORTH

0 40 80 120
SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1992) BY CH2M HILL AND AVIROM & ASSOCIATES (OCTOBER 2006).

LEGEND
- WOOD UTILITY POLE
- CONCRETE UTILITY POLE
- 1.80 MONITORING WELL MEASURED ELEVATION
- AOC IDENTIFICATION
- BENCH MARK
- FENCE LINE
- EXIST. MAINTENANCE RD.
- POWER OR SERVICE POLE
- 6 CONTOURS

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JACKSONVILLE, FLORIDA 32256

SUMMARY OF SOIL DETECTIONS JANUARY 2011 SWTE FACILITY, KEY WEST, FLORIDA

FIGURE 3-2

C:\GIS\413967.AA.01 CITY OF KEY WEST\413967_f3-2.DWG

Table 3-2

Summary of Soil Exceedances

SWTE Facility, Key West, FL

Location	Analyte	Residential SCTL µg/Kg	Industrial SCTL µg/Kg	Result µg/Kg	
SB2-AOC7-S-011811	Aroclor-1248	500	2600	540	=
SB2-AOC7-D-011811	Aroclor-1248	500	2600	1200	J
SB1-AOC7-S-011811	Arsenic	2100	12000	4540	=
SB1-AOC7-D-011811	Arsenic	2100	12000	5330	=
SB2-AOC7-D-011811	Arsenic	2100	12000	2410	=
SB3-AOC7-S-011811	Arsenic	2100	12000	9870	=
SB1-AOC2-D-011911	Benzo(a)pyrene	100	700	213	J
SB2-AOC7-D-011811	Copper	150000	89000000	167000	=
SB3-AOC7-S-011811	Copper	150000	89000000	265000	=
SB3-AOC7-S-011811	Lead	400000	1400000	431000	=

Notes:

"=" - Detected above Reporting Limit

"J" - Detected between Method Detection Limit and Reportin

SCTL - Soil Cleanup Target Level

µg/Kg - micrograms per kilogram

4.0 Conclusions and Recommendations

The potential recommendations presented in the IRAP were contingent upon exceedances of the industrial SCTLs:

--If no elements or compounds are detected in excess of the industrial SCTLs, onsite materials remaining after demolition will be used as onsite fill material and 2 feet of clean soil will be placed over the onsite materials.

--If elements or compounds are detected in excess of the industrial SCTLs, materials exceeding the industrial target level be excavated and removed from the site for disposal at an appropriately licensed disposal site. The remaining onsite materials will be used as onsite fill material and 2 feet of clean soil will be placed over the onsite materials.

Thallium and Aroclor 1016 were not detected in groundwater during the January 2011 IRAP field activities. The compounds detected in groundwater were all inorganics and were all detected below the respective GCTLs.

Arsenic and vanadium, the compounds previously detected exceeding residential SCTLs in soil, were detected during the January 2011 field activities; however, vanadium did not exceed its residential SCTL in any samples. Arsenic, copper, lead, Aroclor 1248, and benzo(a)pyrene each exceeded its respective residential SCTL in at least one sample.

No soil contaminant concentrations were detected above industrial SCTLs; therefore, the recommendation for the SWTE Facility is to use materials remaining onsite after demolition as fill material and to cover with 2 feet of clean soil. As part of the demolition activities, all monitoring wells installed as part of the PSA will be abandoned; it is recommended that two additional monitoring wells be installed, one to the west and one to the south of the SWTE Facility. The new wells should be added to the Stock Island Landfill long term monitoring program. In addition, thallium and Arochlor should be added to groundwater monitoring analytical requirements for at least four monitoring events. If no thallium or Arochlor are detected at or above the GCTLs during the four events, these parameters should be dropped from the analytical requirements.

Appendix A

Field Parameter Sheets

CH2MHILL

PROJECT NUMBER	WELL ID	PAGE 1 OF 1
	MW-AOC1	

GROUNDWATER PURGING AND SAMPLING LOG

PROJECT: SWTF Key West
CLIENT/LOCATION: City of Key West
SITE NO:
SITE NAME: SWTF Key West, FL
DATE: 1-20-11
PURGING METHOD AND EQUIPMENT USED: Peristaltic, Low Flow
WEATHER: Sunny, 77°, Breeze
SAMPLING METHOD AND EQUIPMENT USED: Peristaltic, Low Flow & Steam
FIELD TEAM: N Monroe, M. Schilling

PERTINENT WELL INFORMATION

20m
SCREEN INTERVAL: 10 5 (FT BGS)
INSIDE DIAMETER OF WELL: 2 (IN)
TOTAL DEPTH OF WELL: 13.85 (FT BTOC)
INITIAL DEPTH TO WATER: (-) 4.84 (FT BTOC)
WATER COLUMN: 9.01 (FT)
VOLUME CONVERSION: (x) 0.163 (GAL/FT)
SINGLE WELL VOLUME: 1.47 (GAL) X 3 = 4.41/gal

TOTAL PURGE VOLUME: 1.5 (GAL)

Flush mount

WELL DIAMETER/VOLUME CONVERSIONS (GAL/FT):
3/4" = 0.023
1" = 0.041
2" = 0.163
4" = 0.653
6" = 1.469
8" = 2.611

FIELD PARAMETERS

Time	Depth to Water (ft btoc)	Purge Rate (gal/min)	Cummulative Purge Vol. (gal)	pH (Std. units)	Temp. (°C)	Cond. (mS/cm)	Turbidity (NTU)	D.O.	Remarks (color, odor, sheen, etc.)
1450	5.20	0.03	0	7.00	29.75	1.88	1.2	0.93	Clear, slight sulfur odor
1455	5.24	0.03	0.25	7.12	29.82	1.85	1.3	1.28	" "
1500	5.27	0.03	0.5	7.23	29.91	1.81	1.3	1.24	" "
1505	5.28	0.03	0.75	7.25	30.15	1.77	0.7	1.20	" "
1510	5.28	0.03	1.0	7.25	30.19	1.76	0.9	1.28	" "
1515	5.28	0.03	1.25	7.25	30.27	1.76	0.7	1.16	" "
1520	5.29	0.03	1.5	7.23	30.26	1.74	0.5	1.27	" "

SAMPLE INFORMATION

Analytical Parameters/Methods:	Container Quantity, Size, Type:	Preservatives:
VOC 8260B	3-40ml vials	HCl
PCB 8082	1-1L Amber	None
Metals + Mercury 6010B/7470A	1-500ml poly	HNO_3
BOD	3-40ml vials	None

Notes (i.e. QA/QC Samples, etc.): Collected EB: MW-AOC1-EB-012011 @ 15:10
Collected FD: MW-AOC0-012011 @ —

Sample ID: MW-AOC1-012011
Sample Date/Time: 1-20-11 / 1530
Sample Appearance: Clear
Filtered Metals Collected: Yes (No)
Laboratory to Filter: Yes (NA)
Filter Size: N/A
Filter Size: N/A

Signed By: [signature]
Date: 01-20-11

CH2MHILL

PROJECT NUMBER	WELL ID	PAGE 1 OF 1
	MW-A0C7	

GROUNDWATER PURGING AND SAMPLING LOG

PROJECT: SWTF
CLIENT/LOCATION: City of Key West
SITE NO:
SITE NAME: SWTF DATE: 1-21-11
PURGING METHOD AND EQUIPMENT USED: peristaltic pump / Low Flow WEATHER: Sunny, 75°
SAMPLING METHOD AND EQUIPMENT USED: FIELD TEAM: N. Meade & Mark Schilling

PERTINENT WELL INFORMATION

SCREEN INTERVAL: 5' (FT BGS)
INSIDE DIAMETER OF WELL: 2 (IN)
TOTAL DEPTH OF WELL: 14.95 (FT BTOC)
INITIAL DEPTH TO WATER: (-) 7.28 (FT BTOC)
WATER COLUMN: 7.67 (FT)
VOLUME CONVERSION: (x) 0.163 (GAL/FT)
SINGLE WELL VOLUME: 1.25 (GAL) X 3 = 3.75
TOTAL PURGE VOLUME: _____ (GAL)

WELL DIAMETER/VOLUME CONVERSIONS (GAL/FT)
3/4" = 0.023
1" = 0.041
2" = 0.163
4" = 0.653
6" = 1.469
8" = 2.611

FIELD PARAMETERS

Time	Depth to Water (ft btoc)	Purge Rate (gal/min)	Cummulative Purge Vol. (gal)	pH (Std. units)	Temp. (°C)	Cond. (mS/cm)	Turbidity (NTU)	D.O.	Remarks (color, odor, sheen, etc.)
0845	7.80	0.03	0	7.69	27.24	7.85	13.4	11.43	Clear, slight sulfur odor
0850	8.11	0.03	0.25	7.77	27.56	7.79	13.8	8.40	" "
0855	8.27	0.03	0.5	7.77	27.73	7.80	10.3	7.84	" "
0900	8.35	0.03	0.75	7.78	27.77	7.95	9.1	7.52	" "
0905	8.48	0.03	1.0	7.79	27.84	8.01	9.1	7.25	" "
0910	8.52	0.03	1.25	7.79	27.83	8.06	8.5	7.02	" "
0915	8.56	0.03	1.50	7.78	27.93	8.07	8.1	6.80	" "

SAMPLE INFORMATION

Analytical Parameters/Methods:	Container Quantity, Size, Type:	Preservatives:
VOC 8260B	3-40 mL vials	HCL
PCB 8082	1-1L Amber	None
Metals + Mercury 6010B/7470A	1-500 mL poly	HNO3
B611	3-40 mL vials	None

Notes (i.e. QA/QC Samples, etc.): Collected MS/MSD: MW-A0C7-MS-012111 @ 0925
MW-A0C7-MSD-012111 @ 0925
- Few specs of debris in GW
- Vault was full of soil, trash, growth

Sample ID: MW-A0C7-012111
Sample Date/Time: 01-21-11 / 0920
Sample Appearance: clear
Filtered Metals Collected: Yes (No)
Laboratory to Filter: Yes (No)
Filter Size: N/A
Filter Size: N/A

Signed By: _____ Date: 01-21-11

Appendix B

Analytical Results

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Result	Units	Dilution	MDL Adjusted	RL Adjusted	Final Qualifier
SB1-AOC1-D-011911	SB1-AOC1-D-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	292	UG/KG	1	50.5	292	U
SB1-AOC1-D-011911	SB1-AOC1-D-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	292	UG/KG	1	38.1	292	U
SB1-AOC1-D-011911	SB1-AOC1-D-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	292	UG/KG	1	55.8	292	U
SB1-AOC1-D-011911	SB1-AOC1-D-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	292	UG/KG	1	50.5	292	U
SB1-AOC1-D-011911	SB1-AOC1-D-011911	SOIL	SW8270C	Chrysene	218-01-9	292	UG/KG	1	30.1	292	U
SB1-AOC1-D-011911	SB1-AOC1-D-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	292	UG/KG	1	36.3	292	U
SB1-AOC1-D-011911	SB1-AOC1-D-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	292	UG/KG	1	46	292	U
SB1-AOC1-S-011911	SB1-AOC1-S-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	292	UG/KG	1	50.4	292	U
SB1-AOC1-S-011911	SB1-AOC1-S-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	292	UG/KG	1	38	292	U
SB1-AOC1-S-011911	SB1-AOC1-S-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	292	UG/KG	1	55.8	292	U
SB1-AOC1-S-011911	SB1-AOC1-S-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	292	UG/KG	1	50.4	292	U
SB1-AOC1-S-011911	SB1-AOC1-S-011911	SOIL	SW8270C	Chrysene	218-01-9	292	UG/KG	1	30.1	292	U
SB1-AOC1-S-011911	SB1-AOC1-S-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	292	UG/KG	1	36.3	292	U
SB1-AOC1-S-011911	SB1-AOC1-S-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	292	UG/KG	1	46	292	U
SB1-AOC2-D-011911	SB1-AOC2-D-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	406	UG/KG	2	103	597	J
SB1-AOC2-D-011911	SB1-AOC2-D-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	213	UG/KG	2	77.8	597	J
SB1-AOC2-D-011911	SB1-AOC2-D-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	463	UG/KG	2	114	597	J
SB1-AOC2-D-011911	SB1-AOC2-D-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	197	UG/KG	2	103	597	J
SB1-AOC2-D-011911	SB1-AOC2-D-011911	SOIL	SW8270C	Chrysene	218-01-9	451	UG/KG	2	61.6	597	J
SB1-AOC2-D-011911	SB1-AOC2-D-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	336	UG/KG	2	74.2	597	J
SB1-AOC2-D-011911	SB1-AOC2-D-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	435	UG/KG	2	94.1	597	J
SB1-AOC2-S-011911	SB1-AOC2-S-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	2990	UG/KG	10	517	2990	U
SB1-AOC2-S-011911	SB1-AOC2-S-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	2990	UG/KG	10	390	2990	U
SB1-AOC2-S-011911	SB1-AOC2-S-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	2990	UG/KG	10	571	2990	U
SB1-AOC2-S-011911	SB1-AOC2-S-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	2990	UG/KG	10	517	2990	U
SB1-AOC2-S-011911	SB1-AOC2-S-011911	SOIL	SW8270C	Chrysene	218-01-9	2990	UG/KG	10	308	2990	U
SB1-AOC2-S-011911	SB1-AOC2-S-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	2990	UG/KG	10	372	2990	U
SB1-AOC2-S-011911	SB1-AOC2-S-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	2990	UG/KG	10	471	2990	U
SB1-AOC3-D-012011	SB1-AOC3-D-012011	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	285	UG/KG	1	49.3	285	U
SB1-AOC3-D-012011	SB1-AOC3-D-012011	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	285	UG/KG	1	37.2	285	U
SB1-AOC3-D-012011	SB1-AOC3-D-012011	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	285	UG/KG	1	54.4	285	U
SB1-AOC3-D-012011	SB1-AOC3-D-012011	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	285	UG/KG	1	49.3	285	U
SB1-AOC3-D-012011	SB1-AOC3-D-012011	SOIL	SW8270C	Chrysene	218-01-9	285	UG/KG	1	29.4	285	U
SB1-AOC3-D-012011	SB1-AOC3-D-012011	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	285	UG/KG	1	35.4	285	U
SB1-AOC3-D-012011	SB1-AOC3-D-012011	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	285	UG/KG	1	44.9	285	U
SB1-AOC3-S-012011	SB1-AOC3-S-012011	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	285	UG/KG	1	49.2	285	U
SB1-AOC3-S-012011	SB1-AOC3-S-012011	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	285	UG/KG	1	37.1	285	U
SB1-AOC3-S-012011	SB1-AOC3-S-012011	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	285	UG/KG	1	54.4	285	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Result	Units	Dilution	MDL Adjusted	RL Adjusted	Final Qualifier
SB1-AOC3-S-012011	SB1-AOC3-S-012011	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	285	UG/KG	1	49.2	285	U
SB1-AOC3-S-012011	SB1-AOC3-S-012011	SOIL	SW8270C	Chrysene	218-01-9	285	UG/KG	1	29.4	285	U
SB1-AOC3-S-012011	SB1-AOC3-S-012011	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	285	UG/KG	1	35.4	285	U
SB1-AOC3-S-012011	SB1-AOC3-S-012011	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	285	UG/KG	1	44.9	285	U
SB1-AOC7-D-011811	SB1-AOC7-D-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	77.6	UG/KG	1	57.5	333	J
SB1-AOC7-D-011811	SB1-AOC7-D-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	97.4	UG/KG	1	43.4	333	J
SB1-AOC7-D-011811	SB1-AOC7-D-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	143	UG/KG	1	63.6	333	J
SB1-AOC7-D-011811	SB1-AOC7-D-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	64.6	UG/KG	1	57.5	333	J
SB1-AOC7-D-011811	SB1-AOC7-D-011811	SOIL	SW8270C	Chrysene	218-01-9	93.5	UG/KG	1	34.3	333	J
SB1-AOC7-D-011811	SB1-AOC7-D-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	333	UG/KG	1	41.4	333	U
SB1-AOC7-D-011811	SB1-AOC7-D-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	66.2	UG/KG	1	52.4	333	J
SB1-AOC7-S-011811	SB1-AOC7-S-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	1420	UG/KG	5	245	1420	U
SB1-AOC7-S-011811	SB1-AOC7-S-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	1420	UG/KG	5	185	1420	U
SB1-AOC7-S-011811	SB1-AOC7-S-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	1420	UG/KG	5	271	1420	U
SB1-AOC7-S-011811	SB1-AOC7-S-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	1420	UG/KG	5	245	1420	U
SB1-AOC7-S-011811	SB1-AOC7-S-011811	SOIL	SW8270C	Chrysene	218-01-9	190	UG/KG	5	146	1420	J
SB1-AOC7-S-011811	SB1-AOC7-S-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	1420	UG/KG	5	176	1420	U
SB1-AOC7-S-011811	SB1-AOC7-S-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	1420	UG/KG	5	224	1420	U
SB1-AOC9-S-011911	SB1-AOC9-S-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	296	UG/KG	1	51.1	296	U
SB1-AOC9-S-011911	SB1-AOC9-S-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	296	UG/KG	1	38.5	296	U
SB1-AOC9-S-011911	SB1-AOC9-S-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	296	UG/KG	1	56.5	296	U
SB1-AOC9-S-011911	SB1-AOC9-S-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	296	UG/KG	1	51.1	296	U
SB1-AOC9-S-011911	SB1-AOC9-S-011911	SOIL	SW8270C	Chrysene	218-01-9	296	UG/KG	1	30.5	296	U
SB1-AOC9-S-011911	SB1-AOC9-S-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	296	UG/KG	1	36.7	296	U
SB1-AOC9-S-011911	SB1-AOC9-S-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	210	UG/KG	1	46.6	296	J
SB2-AOC1-D-011911	SB2-AOC1-D-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	299	UG/KG	1	51.6	299	U
SB2-AOC1-D-011911	SB2-AOC1-D-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	299	UG/KG	1	39	299	U
SB2-AOC1-D-011911	SB2-AOC1-D-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	299	UG/KG	1	57.1	299	U
SB2-AOC1-D-011911	SB2-AOC1-D-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	299	UG/KG	1	51.6	299	U
SB2-AOC1-D-011911	SB2-AOC1-D-011911	SOIL	SW8270C	Chrysene	218-01-9	299	UG/KG	1	30.8	299	U
SB2-AOC1-D-011911	SB2-AOC1-D-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	299	UG/KG	1	37.1	299	U
SB2-AOC1-D-011911	SB2-AOC1-D-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	299	UG/KG	1	47.1	299	U
SB2-AOC1-S-011911	SB2-AOC1-S-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	290	UG/KG	1	50.1	290	U
SB2-AOC1-S-011911	SB2-AOC1-S-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	290	UG/KG	1	37.8	290	U
SB2-AOC1-S-011911	SB2-AOC1-S-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	290	UG/KG	1	55.4	290	U
SB2-AOC1-S-011911	SB2-AOC1-S-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	290	UG/KG	1	50.1	290	U
SB2-AOC1-S-011911	SB2-AOC1-S-011911	SOIL	SW8270C	Chrysene	218-01-9	290	UG/KG	1	29.9	290	U
SB2-AOC1-S-011911	SB2-AOC1-S-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	290	UG/KG	1	36	290	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Result	Units	Dilution	MDL Adjusted	RL Adjusted	Final Qualifier
SB2-AOC1-S-011911	SB2-AOC1-S-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	290	UG/KG	1	45.7	290	U
SB2-AOC3-D-012011	SB2-AOC3-D-012011	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	280	UG/KG	1	48.4	280	U
SB2-AOC3-D-012011	SB2-AOC3-D-012011	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	280	UG/KG	1	36.5	280	U
SB2-AOC3-D-012011	SB2-AOC3-D-012011	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	280	UG/KG	1	53.5	280	U
SB2-AOC3-D-012011	SB2-AOC3-D-012011	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	280	UG/KG	1	48.4	280	U
SB2-AOC3-D-012011	SB2-AOC3-D-012011	SOIL	SW8270C	Chrysene	218-01-9	280	UG/KG	1	28.9	280	U
SB2-AOC3-D-012011	SB2-AOC3-D-012011	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	280	UG/KG	1	34.8	280	U
SB2-AOC3-D-012011	SB2-AOC3-D-012011	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	280	UG/KG	1	44.1	280	U
SB2-AOC3-S-012011	SB2-AOC3-S-012011	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	285	UG/KG	1	49.3	285	U
SB2-AOC3-S-012011	SB2-AOC3-S-012011	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	285	UG/KG	1	37.2	285	U
SB2-AOC3-S-012011	SB2-AOC3-S-012011	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	285	UG/KG	1	54.4	285	U
SB2-AOC3-S-012011	SB2-AOC3-S-012011	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	285	UG/KG	1	49.3	285	U
SB2-AOC3-S-012011	SB2-AOC3-S-012011	SOIL	SW8270C	Chrysene	218-01-9	285	UG/KG	1	29.4	285	U
SB2-AOC3-S-012011	SB2-AOC3-S-012011	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	285	UG/KG	1	35.4	285	U
SB2-AOC3-S-012011	SB2-AOC3-S-012011	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	285	UG/KG	1	44.9	285	U
SB2-AOC7-D-011811	SB2-AOC7-D-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	606	UG/KG	2	105	606	U
SB2-AOC7-D-011811	SB2-AOC7-D-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	606	UG/KG	2	79	606	U
SB2-AOC7-D-011811	SB2-AOC7-D-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	194	UG/KG	2	116	606	J
SB2-AOC7-D-011811	SB2-AOC7-D-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	606	UG/KG	2	105	606	U
SB2-AOC7-D-011811	SB2-AOC7-D-011811	SOIL	SW8270C	Chrysene	218-01-9	131	UG/KG	2	62.4	606	J
SB2-AOC7-D-011811	SB2-AOC7-D-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	350	UG/KG	2	75.3	606	J
SB2-AOC7-D-011811	SB2-AOC7-D-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	464	UG/KG	2	95.5	606	J
SB2-AOC7-S-011811	SB2-AOC7-S-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	294	UG/KG	1	50.9	294	U
SB2-AOC7-S-011811	SB2-AOC7-S-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	42.7	UG/KG	1	38.4	294	J
SB2-AOC7-S-011811	SB2-AOC7-S-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	57.8	UG/KG	1	56.2	294	J
SB2-AOC7-S-011811	SB2-AOC7-S-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	294	UG/KG	1	50.9	294	U
SB2-AOC7-S-011811	SB2-AOC7-S-011811	SOIL	SW8270C	Chrysene	218-01-9	43.7	UG/KG	1	30.3	294	J
SB2-AOC7-S-011811	SB2-AOC7-S-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	294	UG/KG	1	36.6	294	U
SB2-AOC7-S-011811	SB2-AOC7-S-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	294	UG/KG	1	46.4	294	U
SB3-AOC1-D-011911	SB3-AOC1-D-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	286	UG/KG	1	49.4	286	U
SB3-AOC1-D-011911	SB3-AOC1-D-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	286	UG/KG	1	37.3	286	U
SB3-AOC1-D-011911	SB3-AOC1-D-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	286	UG/KG	1	54.7	286	U
SB3-AOC1-D-011911	SB3-AOC1-D-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	286	UG/KG	1	49.4	286	U
SB3-AOC1-D-011911	SB3-AOC1-D-011911	SOIL	SW8270C	Chrysene	218-01-9	286	UG/KG	1	29.5	286	U
SB3-AOC1-D-011911	SB3-AOC1-D-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	286	UG/KG	1	35.6	286	U
SB3-AOC1-D-011911	SB3-AOC1-D-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	286	UG/KG	1	45.1	286	U
SB3-AOC1-S-011911	SB3-AOC1-S-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	291	UG/KG	1	50.2	291	U
SB3-AOC1-S-011911	SB3-AOC1-S-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	291	UG/KG	1	37.9	291	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Result	Units	Dilution	MDL Adjusted	RL Adjusted	Final Qualifier
SB3-AOC1-S-011911	SB3-AOC1-S-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	291	UG/KG	1	55.5	291	U
SB3-AOC1-S-011911	SB3-AOC1-S-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	291	UG/KG	1	50.2	291	U
SB3-AOC1-S-011911	SB3-AOC1-S-011911	SOIL	SW8270C	Chrysene	218-01-9	291	UG/KG	1	29.9	291	U
SB3-AOC1-S-011911	SB3-AOC1-S-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	291	UG/KG	1	36.1	291	U
SB3-AOC1-S-011911	SB3-AOC1-S-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	291	UG/KG	1	45.8	291	U
SB3-AOC3-D-012011	SB3-AOC3-D-012011	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	283	UG/KG	1	48.9	283	U
SB3-AOC3-D-012011	SB3-AOC3-D-012011	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	283	UG/KG	1	36.9	283	U
SB3-AOC3-D-012011	SB3-AOC3-D-012011	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	283	UG/KG	1	54	283	U
SB3-AOC3-D-012011	SB3-AOC3-D-012011	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	283	UG/KG	1	48.9	283	U
SB3-AOC3-D-012011	SB3-AOC3-D-012011	SOIL	SW8270C	Chrysene	218-01-9	283	UG/KG	1	29.2	283	U
SB3-AOC3-D-012011	SB3-AOC3-D-012011	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	283	UG/KG	1	35.2	283	U
SB3-AOC3-D-012011	SB3-AOC3-D-012011	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	283	UG/KG	1	44.6	283	U
SB3-AOC3-S-012011	SB3-AOC3-S-012011	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	283	UG/KG	1	48.9	283	U
SB3-AOC3-S-012011	SB3-AOC3-S-012011	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	283	UG/KG	1	36.9	283	U
SB3-AOC3-S-012011	SB3-AOC3-S-012011	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	283	UG/KG	1	54	283	U
SB3-AOC3-S-012011	SB3-AOC3-S-012011	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	283	UG/KG	1	48.9	283	U
SB3-AOC3-S-012011	SB3-AOC3-S-012011	SOIL	SW8270C	Chrysene	218-01-9	283	UG/KG	1	29.2	283	U
SB3-AOC3-S-012011	SB3-AOC3-S-012011	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	283	UG/KG	1	35.2	283	U
SB3-AOC3-S-012011	SB3-AOC3-S-012011	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	283	UG/KG	1	44.6	283	U
SB3-AOC7-D-011811	SB3-AOC7-D-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	150	UG/KG	2	99.9	578	J
SB3-AOC7-D-011811	SB3-AOC7-D-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	578	UG/KG	2	75.4	578	U
SB3-AOC7-D-011811	SB3-AOC7-D-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	134	UG/KG	2	110	578	J
SB3-AOC7-D-011811	SB3-AOC7-D-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	578	UG/KG	2	99.9	578	U
SB3-AOC7-D-011811	SB3-AOC7-D-011811	SOIL	SW8270C	Chrysene	218-01-9	155	UG/KG	2	59.6	578	J
SB3-AOC7-D-011811	SB3-AOC7-D-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	578	UG/KG	2	71.9	578	U
SB3-AOC7-D-011811	SB3-AOC7-D-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	407	UG/KG	2	91.1	578	J
SB3-AOC7-S-011811	SB3-AOC7-S-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	1460	UG/KG	5	252	1460	U
SB3-AOC7-S-011811	SB3-AOC7-S-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	1460	UG/KG	5	190	1460	U
SB3-AOC7-S-011811	SB3-AOC7-S-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	1460	UG/KG	5	279	1460	U
SB3-AOC7-S-011811	SB3-AOC7-S-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	1460	UG/KG	5	252	1460	U
SB3-AOC7-S-011811	SB3-AOC7-S-011811	SOIL	SW8270C	Chrysene	218-01-9	1460	UG/KG	5	150	1460	U
SB3-AOC7-S-011811	SB3-AOC7-S-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	1460	UG/KG	5	181	1460	U
SB3-AOC7-S-011811	SB3-AOC7-S-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	1460	UG/KG	5	230	1460	U
SB4-AOC1-D-011911	SB4-AOC1-D-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	290	UG/KG	1	50.2	290	U
SB4-AOC1-D-011911	SB4-AOC1-D-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	290	UG/KG	1	37.8	290	U
SB4-AOC1-D-011911	SB4-AOC1-D-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	290	UG/KG	1	55.4	290	U
SB4-AOC1-D-011911	SB4-AOC1-D-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	290	UG/KG	1	50.2	290	U
SB4-AOC1-D-011911	SB4-AOC1-D-011911	SOIL	SW8270C	Chrysene	218-01-9	290	UG/KG	1	29.9	290	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Result	Units	Dilution	MDL Adjusted	RL Adjusted	Final Qualifier
SB4-AOC1-D-011911	SB4-AOC1-D-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	290	UG/KG	1	36.1	290	U
SB4-AOC1-D-011911	SB4-AOC1-D-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	290	UG/KG	1	45.8	290	U
SB4-AOC1-S-011911	SB4-AOC1-S-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	285	UG/KG	1	49.3	285	U
SB4-AOC1-S-011911	SB4-AOC1-S-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	285	UG/KG	1	37.2	285	U
SB4-AOC1-S-011911	SB4-AOC1-S-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	285	UG/KG	1	54.5	285	U
SB4-AOC1-S-011911	SB4-AOC1-S-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	285	UG/KG	1	49.3	285	U
SB4-AOC1-S-011911	SB4-AOC1-S-011911	SOIL	SW8270C	Chrysene	218-01-9	285	UG/KG	1	29.4	285	U
SB4-AOC1-S-011911	SB4-AOC1-S-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	285	UG/KG	1	35.4	285	U
SB4-AOC1-S-011911	SB4-AOC1-S-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	285	UG/KG	1	45	285	U
SB4-AOC7-D-011811	SB4-AOC7-D-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	134	UG/KG	2	100	581	J
SB4-AOC7-D-011811	SB4-AOC7-D-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	581	UG/KG	2	75.8	581	U
SB4-AOC7-D-011811	SB4-AOC7-D-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	116	UG/KG	2	111	581	J
SB4-AOC7-D-011811	SB4-AOC7-D-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	581	UG/KG	2	100	581	U
SB4-AOC7-D-011811	SB4-AOC7-D-011811	SOIL	SW8270C	Chrysene	218-01-9	141	UG/KG	2	59.9	581	J
SB4-AOC7-D-011811	SB4-AOC7-D-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	581	UG/KG	2	72.2	581	U
SB4-AOC7-D-011811	SB4-AOC7-D-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	581	UG/KG	2	91.6	581	U
SB4-AOC7-S-011811	SB4-AOC7-S-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	81.5	UG/KG	1	52.6	304	J
SB4-AOC7-S-011811	SB4-AOC7-S-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	77.1	UG/KG	1	39.7	304	J
SB4-AOC7-S-011811	SB4-AOC7-S-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	95.5	UG/KG	1	58.1	304	J
SB4-AOC7-S-011811	SB4-AOC7-S-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	304	UG/KG	1	52.6	304	U
SB4-AOC7-S-011811	SB4-AOC7-S-011811	SOIL	SW8270C	Chrysene	218-01-9	82.3	UG/KG	1	31.4	304	J
SB4-AOC7-S-011811	SB4-AOC7-S-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	304	UG/KG	1	37.8	304	U
SB4-AOC7-S-011811	SB4-AOC7-S-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	304	UG/KG	1	48	304	U
SB-AOC0-011811	SB-AOC0-011811	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	187	UG/KG	1	50.2	290	J
SB-AOC0-011811	SB-AOC0-011811	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	311	UG/KG	1	37.8	290	=
SB-AOC0-011811	SB-AOC0-011811	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	556	UG/KG	1	55.4	290	=
SB-AOC0-011811	SB-AOC0-011811	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	213	UG/KG	1	50.2	290	J
SB-AOC0-011811	SB-AOC0-011811	SOIL	SW8270C	Chrysene	218-01-9	294	UG/KG	1	29.9	290	=
SB-AOC0-011811	SB-AOC0-011811	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	62.5	UG/KG	1	36.1	290	J
SB-AOC0-011811	SB-AOC0-011811	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	205	UG/KG	1	45.8	290	J
SB-AOC0-011911	SB-AOC0-011911	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	1260	UG/KG	2	103	598	=
SB-AOC0-011911	SB-AOC0-011911	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	410	UG/KG	2	78	598	J
SB-AOC0-011911	SB-AOC0-011911	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	1020	UG/KG	2	114	598	=
SB-AOC0-011911	SB-AOC0-011911	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	414	UG/KG	2	103	598	J
SB-AOC0-011911	SB-AOC0-011911	SOIL	SW8270C	Chrysene	218-01-9	1240	UG/KG	2	61.7	598	=
SB-AOC0-011911	SB-AOC0-011911	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	345	UG/KG	2	74.4	598	J
SB-AOC0-011911	SB-AOC0-011911	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	454	UG/KG	2	94.3	598	J
SB-AOC0-012011	SB-AOC0-012011	SOIL	SW8270C	Benzo(a)anthracene	56-55-3	282	UG/KG	1	48.7	282	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Result	Units	Dilution	MDL Adjusted	RL Adjusted	Final Qualifier
SB-AOC0-012011	SB-AOC0-012011	SOIL	SW8270C	Benzo(a)pyrene	50-32-8	282	UG/KG	1	36.7	282	U
SB-AOC0-012011	SB-AOC0-012011	SOIL	SW8270C	Benzo(b)fluoranthene	205-99-2	282	UG/KG	1	53.8	282	U
SB-AOC0-012011	SB-AOC0-012011	SOIL	SW8270C	Benzo(k)fluoranthene	207-08-9	282	UG/KG	1	48.7	282	U
SB-AOC0-012011	SB-AOC0-012011	SOIL	SW8270C	Chrysene	218-01-9	282	UG/KG	1	29	282	U
SB-AOC0-012011	SB-AOC0-012011	SOIL	SW8270C	Dibenz(a,h)anthracene	53-70-3	282	UG/KG	1	35	282	U
SB-AOC0-012011	SB-AOC0-012011	SOIL	SW8270C	Indeno(1,2,3-cd)pyrene	193-39-5	282	UG/KG	1	44.4	282	U

Lab and Final Qualifiers

"=" - Detected above Reporting Limit

"J" - Detected between Method Detection Limit (MDL) and Reporting Limit (RL)

"SSL" - Surrogate Standard Below QC Criteria

"U" - Not Detected

"X" - Exclude, another value is more appropriate

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Antimony	7440-36-0	UG/L	3.3	20	3.3	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Arsenic	7440-38-2	UG/L	3.31	10	3.31	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Barium	7440-39-3	UG/L	0.22	20	290	=
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Beryllium	7440-41-7	UG/L	0.12	1	0.12	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Cadmium	7440-43-9	UG/L	0.72	5	0.846	J
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Chromium	7440-47-3	UG/L	0.43	10	0.909	J
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Cobalt	7440-48-4	UG/L	0.37	50	0.37	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Copper	7440-50-8	UG/L	2.7	25	2.7	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Lead	7439-92-1	UG/L	3.7	10	3.7	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Nickel	7440-02-0	UG/L	0.93	25	0.93	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Selenium	7782-49-2	UG/L	4.1	20	4.1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Silver	7440-22-4	UG/L	0.52	10	0.52	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Thallium	7440-28-0	UG/L	4.4	20	4.4	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Tin	7440-31-5	UG/L	3.9	50	3.9	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Vanadium	7440-62-2	UG/L	0.44	10	0.44	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW6010B	Zinc	7440-66-6	UG/L	4	20	4	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW7470A	Mercury	7439-97-6	UG/L	0.037	0.2	0.037	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8082	Aroclor-1016	12674-11-2	UG/L	0.015	0.041	0.041	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8082	Aroclor-1221	11104-28-2	UG/L	0.018	0.041	0.041	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8082	Aroclor-1232	11141-16-5	UG/L	0.008	0.082	0.082	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8082	Aroclor-1242	53469-21-9	UG/L	0.013	0.041	0.041	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8082	Aroclor-1248	12672-29-6	UG/L	0.005	0.041	0.041	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8082	Aroclor-1254	11097-69-1	UG/L	0.005	0.041	0.041	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8082	Aroclor-1260	11096-82-5	UG/L	0.01	0.041	0.041	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,1,1,2-Tetrachloroethane	630-20-6	UG/L	0.14	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,1,1-Trichloroethane	71-55-6	UG/L	0.14	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.13	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,1,2-Trichloroethane	79-00-5	UG/L	0.2	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,1-Dichloroethane	75-34-3	UG/L	0.15	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,1-Dichloroethene	75-35-4	UG/L	0.19	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,2,3-Trichloropropane	96-18-4	UG/L	0.35	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,2-Dibromo-3-chloropropane	96-12-8	UG/L	1	2	2	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,2-Dibromoethane(EDB)	106-93-4	UG/L	0.11	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,2-Dichlorobenzene	95-50-1	UG/L	0.25	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,2-Dichloroethane	107-06-2	UG/L	0.15	1	1	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,2-Dichloropropane	78-87-5	UG/L	0.15	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,3-Dichlorobenzene	541-73-1	UG/L	0.15	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,3-Dichloropropane	142-28-9	UG/L	0.3	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,4 Dioxane	123-91-1	UG/L	10	40	40	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,4-Dichloro-2-butene	110-57-6	UG/L	2	4	4	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	1,4-Dichlorobenzene	106-46-7	UG/L	0.15	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	2,2-Dichloropropane	594-20-7	UG/L	0.6	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	2-Butanone	78-93-3	UG/L	2	25	25	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	2-Hexanone	591-78-6	UG/L	0.48	25	25	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	4-Methyl-2-pentanone	108-10-1	UG/L	1	25	25	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Acetone	67-64-1	UG/L	1.3	25	25	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Acetonitrile	75-05-8	UG/L	10	20	20	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Acrolein	107-02-8	UG/L	4	25	25	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Acrylonitrile	107-13-1	UG/L	0.46	20	20	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Allyl chloride	107-05-1	UG/L	0.24	5	5	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Benzene	71-43-2	UG/L	0.17	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Bromochloromethane	74-97-5	UG/L	0.17	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Bromodichloromethane	75-27-4	UG/L	0.15	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Bromoform	75-25-2	UG/L	0.19	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Bromomethane	74-83-9	UG/L	0.43	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Carbon disulfide	75-15-0	UG/L	0.19	5	5	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Carbon tetrachloride	56-23-5	UG/L	0.14	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Chlorobenzene	108-90-7	UG/L	0.16	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Chloroethane	75-00-3	UG/L	0.72	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Chloroform	67-66-3	UG/L	0.16	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Chloromethane	74-87-3	UG/L	0.32	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Chloroprene	126-99-8	UG/L	0.2	5	5	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	cis-1,2-Dichloroethene	156-59-2	UG/L	0.19	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	cis-1,3-Dichloropropene	10061-01-5	UG/L	0.12	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Dibromochloromethane	124-48-1	UG/L	0.13	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Dibromomethane	74-95-3	UG/L	0.11	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Dichlorodifluoromethane	75-71-8	UG/L	0.17	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Ethyl methacrylate	97-63-2	UG/L	0.5	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Ethylbenzene	100-41-4	UG/L	0.22	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Isobutyl alcohol	78-83-1	UG/L	20	50	50	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Methacrylonitrile	126-98-7	UG/L	1	5	5	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Methyl iodide	74-88-4	UG/L	0.74	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Methyl methacrylate	80-62-6	UG/L	0.18	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Methylene chloride	75-09-2	UG/L	0.66	5	5	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	o-Xylene	95-47-6	UG/L	0.5	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	p,m-Xylene	511-39-00	UG/L	0.23	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Propionitrile	107-12-0	UG/L	3.2	50	50	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Styrene	100-42-5	UG/L	0.12	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Tetrachloroethylene	127-18-4	UG/L	0.21	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Toluene	108-88-3	UG/L	0.14	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	trans-1,2-Dichloroethene	156-60-5	UG/L	0.33	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	trans-1,3-Dichloropropene	10061-02-6	UG/L	0.3	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Trichloroethene	79-01-6	UG/L	0.19	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Trichlorofluoromethane	75-69-4	UG/L	0.12	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Vinyl acetate	108-05-4	UG/L	0.18	1	1	U
MW-AOC0-012011	MW-AOC0-012011	WATER	SW8260B	Vinyl chloride	75-01-4	UG/L	0.18	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Antimony	7440-36-0	UG/L	3.3	20	3.3	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Arsenic	7440-38-2	UG/L	3.31	10	3.42	J
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Barium	7440-39-3	UG/L	0.22	20	282	=
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Beryllium	7440-41-7	UG/L	0.12	1	0.12	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Cadmium	7440-43-9	UG/L	0.72	5	0.72	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Chromium	7440-47-3	UG/L	0.43	10	1.2	J
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Cobalt	7440-48-4	UG/L	0.37	50	0.37	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Copper	7440-50-8	UG/L	2.7	25	2.7	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Lead	7439-92-1	UG/L	3.7	10	5.33	J
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Nickel	7440-02-0	UG/L	0.93	25	0.93	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Selenium	7782-49-2	UG/L	4.1	20	4.1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Silver	7440-22-4	UG/L	0.52	10	0.52	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Thallium	7440-28-0	UG/L	4.4	20	4.4	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Tin	7440-31-5	UG/L	3.9	50	3.9	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Vanadium	7440-62-2	UG/L	0.44	10	0.44	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW6010B	Zinc	7440-66-6	UG/L	4	20	5.24	J
MW-AOC1-012011	MW-AOC1-012011	WATER	SW7470A	Mercury	7439-97-6	UG/L	0.037	0.2	0.037	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8082	Aroclor-1016	12674-11-2	UG/L	0.014	0.04	0.04	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8082	Aroclor-1221	11104-28-2	UG/L	0.017	0.04	0.04	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8082	Aroclor-1232	11141-16-5	UG/L	0.008	0.081	0.081	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8082	Aroclor-1242	53469-21-9	UG/L	0.012	0.04	0.04	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8082	Aroclor-1248	12672-29-6	UG/L	0.005	0.04	0.04	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8082	Aroclor-1254	11097-69-1	UG/L	0.005	0.04	0.04	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8082	Aroclor-1260	11096-82-5	UG/L	0.01	0.04	0.04	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,1,1,2-Tetrachloroethane	630-20-6	UG/L	0.14	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,1,1-Trichloroethane	71-55-6	UG/L	0.14	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.13	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,1,2-Trichloroethane	79-00-5	UG/L	0.2	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,1-Dichloroethane	75-34-3	UG/L	0.15	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,1-Dichloroethene	75-35-4	UG/L	0.19	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,2,3-Trichloropropane	96-18-4	UG/L	0.35	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,2-Dibromo-3-chloropropane	96-12-8	UG/L	1	2	2	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,2-Dibromoethane(EDB)	106-93-4	UG/L	0.11	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,2-Dichlorobenzene	95-50-1	UG/L	0.25	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,2-Dichloroethane	107-06-2	UG/L	0.15	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,2-Dichloropropane	78-87-5	UG/L	0.15	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,3-Dichlorobenzene	541-73-1	UG/L	0.15	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,3-Dichloropropane	142-28-9	UG/L	0.3	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,4 Dioxane	123-91-1	UG/L	10	40	40	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,4-Dichloro-2-butene	110-57-6	UG/L	2	4	4	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	1,4-Dichlorobenzene	106-46-7	UG/L	0.15	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	2,2-Dichloropropane	594-20-7	UG/L	0.6	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	2-Butanone	78-93-3	UG/L	2	25	25	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	2-Hexanone	591-78-6	UG/L	0.48	25	25	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	4-Methyl-2-pentanone	108-10-1	UG/L	1	25	25	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Acetone	67-64-1	UG/L	1.3	25	25	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Acetonitrile	75-05-8	UG/L	10	20	20	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Acrolein	107-02-8	UG/L	4	25	25	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Acrylonitrile	107-13-1	UG/L	0.46	20	20	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Allyl chloride	107-05-1	UG/L	0.24	5	5	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Benzene	71-43-2	UG/L	0.17	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Bromochloromethane	74-97-5	UG/L	0.17	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Bromodichloromethane	75-27-4	UG/L	0.15	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Bromoform	75-25-2	UG/L	0.19	1	1	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Bromomethane	74-83-9	UG/L	0.43	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Carbon disulfide	75-15-0	UG/L	0.19	5	5	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Carbon tetrachloride	56-23-5	UG/L	0.14	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Chlorobenzene	108-90-7	UG/L	0.16	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Chloroethane	75-00-3	UG/L	0.72	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Chloroform	67-66-3	UG/L	0.16	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Chloromethane	74-87-3	UG/L	0.32	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Chloroprene	126-99-8	UG/L	0.2	5	5	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	cis-1,2-Dichloroethene	156-59-2	UG/L	0.19	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	cis-1,3-Dichloropropene	10061-01-5	UG/L	0.12	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Dibromochloromethane	124-48-1	UG/L	0.13	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Dibromomethane	74-95-3	UG/L	0.11	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Dichlorodifluoromethane	75-71-8	UG/L	0.17	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Ethyl methacrylate	97-63-2	UG/L	0.5	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Ethylbenzene	100-41-4	UG/L	0.22	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Isobutyl alcohol	78-83-1	UG/L	20	50	50	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Methacrylonitrile	126-98-7	UG/L	1	5	5	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Methyl iodide	74-88-4	UG/L	0.74	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Methyl methacrylate	80-62-6	UG/L	0.18	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Methylene chloride	75-09-2	UG/L	0.66	5	5	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	o-Xylene	95-47-6	UG/L	0.5	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	p,m-Xylene	511-39-00	UG/L	0.23	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Propionitrile	107-12-0	UG/L	3.2	50	50	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Styrene	100-42-5	UG/L	0.12	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Tetrachloroethylene	127-18-4	UG/L	0.21	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Toluene	108-88-3	UG/L	0.14	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	trans-1,2-Dichloroethene	156-60-5	UG/L	0.33	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	trans-1,3-Dichloropropene	10061-02-6	UG/L	0.3	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Trichloroethene	79-01-6	UG/L	0.19	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Trichlorofluoromethane	75-69-4	UG/L	0.12	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Vinyl acetate	108-05-4	UG/L	0.18	1	1	U
MW-AOC1-012011	MW-AOC1-012011	WATER	SW8260B	Vinyl chloride	75-01-4	UG/L	0.18	1	1	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Antimony	7440-36-0	UG/L	3.3	20	3.3	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Arsenic	7440-38-2	UG/L	3.31	10	3.31	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Barium	7440-39-3	UG/L	0.22	20	380	=

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Beryllium	7440-41-7	UG/L	0.12	1	0.12	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Cadmium	7440-43-9	UG/L	0.72	5	0.72	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Chromium	7440-47-3	UG/L	0.43	10	2.34	J
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Cobalt	7440-48-4	UG/L	0.37	50	1.1	J
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Copper	7440-50-8	UG/L	2.7	25	5.33	J
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Lead	7439-92-1	UG/L	3.7	10	3.87	J
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Nickel	7440-02-0	UG/L	0.93	25	7.02	J
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Selenium	7782-49-2	UG/L	4.1	20	4.1	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Silver	7440-22-4	UG/L	0.52	10	0.52	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Thallium	7440-28-0	UG/L	4.4	20	4.4	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Tin	7440-31-5	UG/L	3.9	50	3.9	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Vanadium	7440-62-2	UG/L	0.44	10	1.22	J
MW-AOC7-012111	MW-AOC7-012111	WATER	SW6010B	Zinc	7440-66-6	UG/L	4	20	4	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW7470A	Mercury	7439-97-6	UG/L	0.037	0.2	0.037	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8082	Aroclor-1016	12674-11-2	UG/L	0.014	0.04	0.04	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8082	Aroclor-1221	11104-28-2	UG/L	0.017	0.04	0.04	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8082	Aroclor-1232	11141-16-5	UG/L	0.008	0.081	0.081	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8082	Aroclor-1242	53469-21-9	UG/L	0.012	0.04	0.04	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8082	Aroclor-1248	12672-29-6	UG/L	0.005	0.04	0.04	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8082	Aroclor-1254	11097-69-1	UG/L	0.005	0.04	0.04	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8082	Aroclor-1260	11096-82-5	UG/L	0.01	0.04	0.04	U
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,1,1,2-Tetrachloroethane	630-20-6	UG/L	0.14	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,1,1-Trichloroethane	71-55-6	UG/L	0.14	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.13	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,1,2-Trichloroethane	79-00-5	UG/L	0.2	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,1-Dichloroethane	75-34-3	UG/L	0.15	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,1-Dichloroethene	75-35-4	UG/L	0.19	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,2,3-Trichloropropane	96-18-4	UG/L	0.35	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,2-Dibromo-3-chloropropane	96-12-8	UG/L	1	2	2	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,2-Dibromoethane(EDB)	106-93-4	UG/L	0.11	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,2-Dichlorobenzene	95-50-1	UG/L	0.25	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,2-Dichloroethane	107-06-2	UG/L	0.15	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,2-Dichloropropane	78-87-5	UG/L	0.15	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,3-Dichlorobenzene	541-73-1	UG/L	0.15	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,3-Dichloropropane	142-28-9	UG/L	0.3	1	1	X

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,4 Dioxane	123-91-1	UG/L	10	40	40	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,4-Dichloro-2-butene	110-57-6	UG/L	2	4	4	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	1,4-Dichlorobenzene	106-46-7	UG/L	0.15	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	2,2-Dichloropropane	594-20-7	UG/L	0.6	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	2-Butanone	78-93-3	UG/L	2	25	25	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	2-Hexanone	591-78-6	UG/L	0.48	25	25	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	4-Methyl-2-pentanone	108-10-1	UG/L	1	25	25	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Acetone	67-64-1	UG/L	1.3	25	25	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Acetonitrile	75-05-8	UG/L	10	20	20	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Acrolein	107-02-8	UG/L	4	25	25	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Acrylonitrile	107-13-1	UG/L	0.46	20	20	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Allyl chloride	107-05-1	UG/L	0.24	5	5	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Benzene	71-43-2	UG/L	0.17	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Bromochloromethane	74-97-5	UG/L	0.17	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Bromodichloromethane	75-27-4	UG/L	0.15	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Bromoform	75-25-2	UG/L	0.19	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Bromomethane	74-83-9	UG/L	0.43	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Carbon disulfide	75-15-0	UG/L	0.19	5	5	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Carbon tetrachloride	56-23-5	UG/L	0.14	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Chlorobenzene	108-90-7	UG/L	0.16	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Chloroethane	75-00-3	UG/L	0.72	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Chloroform	67-66-3	UG/L	0.16	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Chloromethane	74-87-3	UG/L	0.32	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Chloroprene	126-99-8	UG/L	0.2	5	5	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	cis-1,2-Dichloroethene	156-59-2	UG/L	0.19	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	cis-1,3-Dichloropropene	10061-01-5	UG/L	0.12	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Dibromochloromethane	124-48-1	UG/L	0.13	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Dibromomethane	74-95-3	UG/L	0.11	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Dichlorodifluoromethane	75-71-8	UG/L	0.17	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Ethyl methacrylate	97-63-2	UG/L	0.5	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Ethylbenzene	100-41-4	UG/L	0.22	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Isobutyl alcohol	78-83-1	UG/L	20	50	50	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Methacrylonitrile	126-98-7	UG/L	1	5	5	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Methyl iodide	74-88-4	UG/L	0.74	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Methyl methacrylate	80-62-6	UG/L	0.18	1	1	X

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Methylene chloride	75-09-2	UG/L	0.66	5	5	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	o-Xylene	95-47-6	UG/L	0.5	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	p,m-Xylene	108-38-3/1	UG/L	0.23	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Propionitrile	107-12-0	UG/L	3.2	50	50	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Styrene	100-42-5	UG/L	0.12	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Tetrachloroethylene	127-18-4	UG/L	0.21	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Toluene	108-88-3	UG/L	0.14	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	trans-1,2-Dichloroethene	156-60-5	UG/L	0.33	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	trans-1,3-Dichloropropene	10061-02-6	UG/L	0.3	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Trichloroethene	79-01-6	UG/L	0.19	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Trichlorofluoromethane	75-69-4	UG/L	0.12	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Vinyl acetate	108-05-4	UG/L	0.18	1	1	X
MW-AOC7-012111	MW-AOC7-012111	WATER	SW8260B	Vinyl chloride	75-01-4	UG/L	0.18	1	1	X
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,1,1,2-Tetrachloroethane	630-20-6	UG/L	0.14	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,1,1-Trichloroethane	71-55-6	UG/L	0.14	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,1,2,2-Tetrachloroethane	79-34-5	UG/L	0.13	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,1,2-Trichloroethane	79-00-5	UG/L	0.2	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,1-Dichloroethane	75-34-3	UG/L	0.15	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,1-Dichloroethene	75-35-4	UG/L	0.19	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,2,3-Trichloropropane	96-18-4	UG/L	0.35	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,2-Dibromo-3-chloropropane	96-12-8	UG/L	1	2	2	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,2-Dibromoethane(EDB)	106-93-4	UG/L	0.11	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,2-Dichlorobenzene	95-50-1	UG/L	0.25	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,2-Dichloroethane	107-06-2	UG/L	0.15	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,2-Dichloropropane	78-87-5	UG/L	0.15	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,3-Dichlorobenzene	541-73-1	UG/L	0.15	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,3-Dichloropropane	142-28-9	UG/L	0.3	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,4 Dioxane	123-91-1	UG/L	10	40	40	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,4-Dichloro-2-butene	110-57-6	UG/L	2	4	4	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	1,4-Dichlorobenzene	106-46-7	UG/L	0.15	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	2,2-Dichloropropane	594-20-7	UG/L	0.6	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	2-Butanone	78-93-3	UG/L	2	25	25	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	2-Hexanone	591-78-6	UG/L	0.48	25	25	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	4-Methyl-2-pentanone	108-10-1	UG/L	1	25	25	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Acetone	67-64-1	UG/L	1.3	25	25	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Acetonitrile	75-05-8	UG/L	10	20	20	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Acrolein	107-02-8	UG/L	4	25	25	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Acrylonitrile	107-13-1	UG/L	0.46	20	20	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Allyl chloride	107-05-1	UG/L	0.24	5	5	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Benzene	71-43-2	UG/L	0.17	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Bromochloromethane	74-97-5	UG/L	0.17	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Bromodichloromethane	75-27-4	UG/L	0.15	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Bromoform	75-25-2	UG/L	0.19	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Bromomethane	74-83-9	UG/L	0.43	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Carbon disulfide	75-15-0	UG/L	0.19	5	5	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Carbon tetrachloride	56-23-5	UG/L	0.14	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Chlorobenzene	108-90-7	UG/L	0.16	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Chloroethane	75-00-3	UG/L	0.72	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Chloroform	67-66-3	UG/L	0.16	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Chloromethane	74-87-3	UG/L	0.32	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Chloroprene	126-99-8	UG/L	0.2	5	5	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	cis-1,2-Dichloroethene	156-59-2	UG/L	0.19	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	cis-1,3-Dichloropropene	10061-01-5	UG/L	0.12	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Dibromochloromethane	124-48-1	UG/L	0.13	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Dibromomethane	74-95-3	UG/L	0.11	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Dichlorodifluoromethane	75-71-8	UG/L	0.17	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Ethyl methacrylate	97-63-2	UG/L	0.5	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Ethylbenzene	100-41-4	UG/L	0.22	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Isobutyl alcohol	78-83-1	UG/L	20	50	50	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Methacrylonitrile	126-98-7	UG/L	1	5	5	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Methyl iodide	74-88-4	UG/L	0.74	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Methyl methacrylate	80-62-6	UG/L	0.18	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Methylene chloride	75-09-2	UG/L	0.66	5	5	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	o-Xylene	95-47-6	UG/L	0.5	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	p,m-Xylene	108-38-3/1	UG/L	0.23	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Propionitrile	107-12-0	UG/L	3.2	50	50	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Styrene	100-42-5	UG/L	0.12	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Tetrachloroethylene	127-18-4	UG/L	0.21	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Toluene	108-88-3	UG/L	0.14	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	trans-1,2-Dichloroethene	156-60-5	UG/L	0.33	1	1	U

FieldID	NativeID	Matrix	Analysis Method	Analyte	CAS	Units	MDL	RL	Result	Final Qualifier
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	trans-1,3-Dichloropropene	10061-02-6	UG/L	0.3	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Trichloroethene	79-01-6	UG/L	0.19	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Trichlorofluoromethane	75-69-4	UG/L	0.12	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Vinyl acetate	108-05-4	UG/L	0.18	1	1	U
MW-AOC7-012111RE1	MW-AOC7-012111	WATER	SW8260B	Vinyl chloride	75-01-4	UG/L	0.18	1	1	U

Lab and Final Qualifiers

"U" - Not Detected

"J" - Detected between Method Detection Limit (MDL) and Reporting Limit (RL)

"=" - Detected above Reporting Limit

"X" - Exclude, another value is more appropriate

Review Notes

"SSL" - Surrogate Standard Below QC Criteria

Appendix C

Laboratory Analytical Reports (CD)

Appendix G

Asbestos & Lead Based Paint Assessment

ENVIRONMENTAL SERVICES, LLC

ASBESTOS INSPECTION REPORT

FOR

SOUTHERNMOST
WASTE TO ENERGY PLANT COMPLEX
5701 COLLEGE ROAD
KEY WEST, FLORIDA 33040

Prepared for

CH_2M HILL
6410 5TH STREET, SUITE 2A
KEY WEST, FLORIDA 33040

ATTENTION: MR. ANDREW SMYTH

Prepared by

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(305) 374-8300

March 16, 2011
EE&G Project No. 2010-2498

CONTENTS

SECTION 1.0

INTRODUCTION

An asbestos inspection was conducted at Southernmost Waste to Energy Plant Complex located at 5701 College Road, Key West, Florida. The inspection was conducted on February 24, 2011 by AHERA-certified inspector Hiram Aguiar of EE&G Environmental Services, LLC (EE&G).

The purpose of this asbestos inspection was to identify the presence, extent, and condition of asbestos-containing materials (ACM) in the surveyed areas of this facility. The areas surveyed during this inspection include approximately 8 structures; Resource Recovery Building, Solid Waste Tipping Area, Storage Shed, Raised Cooling Tower structure, Fire Equipment Shed, Electrical building, Scale House, and Ash Transfer Building. The incinerator was not observed on the property at the time of this inspection. All observed suspect materials were either sampled to determine asbestos content or assumed to contain asbestos.

Terms used in this report are defined in the General Terms section located in Appendix A. Additional information on the classification of ACM for National Emissions Standards for Hazardous Air Pollutants (NESHAP) is also located in Appendix A. These NESHAP categories are helpful in determining the need for asbestos abatement and must be used in the NESHAP notification of intent to renovate or demolish.

SECTION 2.0

BUILDING DESCRIPTION

The Resource Recovery Building, Solid Waste Tipping Area, and Ash Transfer Building were observed to be constructed primarily of concrete and steel. The Solid Waste Tipping Area also housed two cranes and a control room which could not be safely accessed.

Raised Cooling Tower structure was observed to be steel structure. The electrical building was a concrete structure supported on concrete slab.

The Storage Shed, Fire Equipment Shed, and Scale House were observed to be of modular construction. The storage shed had an unpainted metal exterior and was not accessed during this inspection. Two other modular buildings were located in the southern part of the Resource Recovery Building, and a third was observed in the east side of the Solid Waste Tipping Area.

See Appendix C for a copy of site diagram provide by the client.

SECTION 3.0

METHODS AND LIMITATIONS

3.1 ASBESTOS SURVEY METHODS

The renovation areas were inspected for suspect ACM, unless otherwise noted. Each observed suspect material was assigned a homogenous area number, described, and measured. Each observed suspect material was either sampled or assumed to be asbestos-containing. Samples of suspect ACM were collected using procedures established by the United States (US) Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) Title 40 Part 763 Subpart E, Asbestos-Containing Materials in Schools.

3.2 LABORATORY ANALYSIS METHODS

Samples were sent to American Asbestos Laboratories, Inc. in Tampa, Florida for analysis. Upon arrival at the laboratory, the samples were logged-in and stored for analysis. Analyses were performed using the polarized light microscopy (PLM) method of asbestos detection using guidelines and procedures established in the Method for the Determination of Asbestos in Bulk Building Materials (EPA-600/R-93-116 July, 1993).

3.3 LIMITATIONS

This asbestos inspection report has been prepared by EE&G in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey report is to assist the owner or client in locating ACM. Under no circumstances is this survey to be utilized as a proposal or a project specification document without the expressed written consent of EE&G.

The survey was conducted to identify suspect ACM in accessible areas of the approximately 8 structures; Resource Recovery Building, Solid Waste Tipping Area, Storage Shed, Raised Cooling Tower structure, Fire Equipment Shed, Electrical building, Scale House, and Ash Transfer Building. If other areas at this location are to be impacted during planned or future renovations, a separate asbestos survey of these areas will be required. Some ACM may not have been discovered due to inaccessibility or missing/incomplete plans. Any suspect materials discovered subsequent to the issue of this survey report should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Analyses were carried out by PLM. While the most commonly accepted analytical method for detecting asbestos in bulk materials, PLM is known to have limited resolution and may not detect extremely small asbestos fibers. Certain materials, notably vinyl floor tiles, may contain extremely fine asbestos fibers that are beyond the resolution of PLM.

EE&G's interpretations and recommendations are based upon the results of sample collection and analyses in compliance with environmental regulations, quality control and assurance standards, and the scope of work as indicated in EE&G's proposal. The results, conclusions,

and recommendations contained in this report pertain to conditions observed at the time of the survey. Other conditions elsewhere in the subject building(s) may differ from those in the inspected/surveyed locations and, such conditions are unknown, may change over time, and have not been considered.

This report was prepared solely for the use of EE&G's client, and is not intended for use by third party beneficiaries. The client shall indemnify and hold EE&G harmless against any liability for any loss arising out of or relating to reliance by any third party on any work performed thereunder, or the contents of this report. EE&G will not be held responsible for the interpretation or use by others of data developed pursuant to the compilation of this report, or for use of segregated portions of this report.

SECTION 4.0

SURVEY RESULTS

4.1 ASBESTOS ANALYSIS RESULTS

The results of the PLM analyses and assessment of suspect ACM are summarized in Table 1. The original laboratory report is attached as Appendix B.

4.1.1 Asbestos-containing materials

Asbestos was not identified in amounts greater than 1 percent in the sampled materials.

4.1.2 Nonasbestos-containing materials

Asbestos was not detected or was found in amounts less than or equal to 1 percent in all the material sampled during this inspection.

Refer to Table 1 for the description and location of these materials.

4.2 ADDITIONAL OBSERVATIONS

In addition to the results presented in Section 4.1, EE&G observed the following:

- No suspect fireproofing was observed.

TABLE 1. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST, FLORIDA

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
01	Grey exterior stucco	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
02	White 2'x4' dot groove pattern CT	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
03	White 2'x4' dot furrow pattern CT	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
04	Blue 12"x12" VFT with yellow glue	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
05	White skim-coat wall finish	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
06	Blue base-boar with glue	Resource Recovery Bldg.	NA	NAD	NA	NA	NA

NA = Not Applicable
NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
07	White roll of insulation	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
08	White HVAC duct mastic	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
09	Black roof felt on roof of built-in offices	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
10	Foil pipe wrap over white insulation	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
11	White emergency generator exhaust pipe insulation	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
12	White pipe insulation debris	Resource Recovery Bldg.	NA	NAD	NA	NA	NA

NA = Not Applicable
NAD = No Asbestos Detected
VFT = Vinyl Floor Tile
C = Chrysotile Asbestos
SF = Square Feet
LF = Linear Feet
TSI = Thermal System Insulation
CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
13	Red gasket from release valves	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
14	Black gasket from release valves	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
15	White pipe mastic	Resource Recovery Bldg.	NA	NAD	NA	NA	NA
16	Black roof edge flashing	Incinerator building	NA	NAD	NA	NA	NA
17	Grey interior seam caulking	Incinerator building	NA	NAD	NA	NA	NA
18	White 12'x12" VFT with glue	Resource Recovery Bldg. - Modular	NA	NAD	NA	NA	NA

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CT = Ceiling Tile

All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
19	White ceiling textured finish	Resource Recovery Bldg. - Modular	NA	NAD	NA	NA	NA
20	Grey window caulking	Resource Recovery Bldg. - Modular	NA	NAD	NA	NA	NA
21	Foil over yellow pipe insulation	Cooling Tower Bldg.	NA	NAD	NA	NA	NA
22	Black gasket	Cooling Tower Bldg.	NA	NAD	NA	NA	NA
23	Black Roof membrane	Electrical building	NA	NAD	NA	NA	NA
24	Grey exterior stucco	Electrical building	NA	NAD	NA	NA	NA

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All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
25	Concrete slab	Tipping Area	NA	NAD	NA	NA	NA
26	Concrete wall	Tipping Area	NA	NAD	NA	NA	NA
27	Concrete slab	Scale House	NA	NAD	NA	NA	NA
28	White exterior caulking	Scale House	NA	NAD	NA	NA	NA
29	Black metal roof sealant	Scale House	NA	NAD	NA	NA	NA
30	White popcorn ceiling	Scale House	NA	NAD	NA	NA	NA

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All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
31	White linoleum	Scale House	NA	NAD	NA	NA	NA
32	Grey window caulking	Scale House	NA	NAD	NA	NA	NA
33	Concrete slab	Scale House	NA	NAD	NA	NA	NA
34	White interior caulking	Scale House	NA	NAD	NA	NA	NA
35	Blue 12"x12" VFT with glue	Scale House	NA	NAD	NA	NA	NA
36	Concrete wall	Scale House	NA	NAD	NA	NA	NA

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All quantities are approximate.

TABLE 1 CONTINUED. SURVEY RESULTS SOUTHERNMOST WASTE TO ENERGY PLANT COMPLEX - 5701 COLLEGE ROAD KEY WEST

Homogeneous Area (HA #)	Material Description	HA Location	Approx. Quantity	Asbestos Content	Friability	Condition	NESHAP Category
37	Concrete wall	Ash Transfer Plant	NA	NAD	NA	NA	NA
38	Concrete slab	Ash Transfer Plant	NA	NAD	NA	NA	NA
39	White HVAC duct mastic	Ash Transfer Plant	NA	NAD	NA	NA	NA
40	Concrete slab	Ash Transfer Plant	NA	NAD	NA	NA	NA
41	Concrete slab	Electrical Building	NA	NAD	NA	NA	NA
42	Concrete slab	Miscellaneous Building	NA	NAD	NA	NA	NA
43	Concrete slab	Resource Recovery Bldg.	NA	NAD	NA	NA	NA

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All quantities are approximate.

SECTION 5.0

RECOMMENDATIONS

5.1 RECOMMENDATIONS FOR REGULATED ACM (RACM)

None of the surveyed materials were identified as RACM.

5.2 RECOMMENDATIONS FOR CATEGORY I NONFRIABLE ACM

None of the surveyed materials were identified as Category I Nonfriable ACM.

5.3 RECOMMENDATIONS FOR CATEGORY II NONFRIABLE ACM

None of the surveyed materials were identified as Category II Nonfriable ACM.

5.4 GENERAL RECOMMENDATIONS

- If other specific areas at this location are to be impacted during planned renovations or demolition, an asbestos survey of these areas will be required.
- Suspect materials discovered after this inspection should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.
- Prior to demolition activities, the property should be inspected for all potentially hazardous materials. The identified materials should be removed from the property, and properly disposed of in accordance with federal, state, and local regulations.
- This report should be updated if demolition of buildings covered in this survey does not take place within six months of the date of this survey, i.e. by September 2011.

5.5 SPECIFIC RECOMMENDATIONS

Based on the results of this demolition survey, EE&G has the following specific recommendations:

- Demolition activities shall be conducted in accordance with 40 CFR 61 (NESHAP). It is recommended that contractor personnel receive a copy the EPA guidance document on demolition practices under NESHAP.
- EE&G recommends a walk-through of the property with the owner/owner's representative and the demolition contractor prior to commencement of demolition activities. The demolition contractor should be provided the Pre-Demolition Survey Report, and should inspect the property for unidentified ACM. Any unidentified suspect ACM should be sampled and analyzed prior to the start of demolition activities.

- The Florida Department of Environmental Protection (FDEP) requires notification of intent to demolish, regardless of whether ACM is present. Notification must be sent at least 10 working days prior to the start of any construction activities. The general contractor should also keep a copy of this survey at the construction site during the entire construction project as proof of compliance with 40 CFR 61 (NESHAP).