THE CITY OF KEY WEST
3140 Flagler St,
Key West, Florida 33040

ADDENDUM #1
Public Transit Facility
Request for Proposal: 001-13
24 September 2012

This Addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is amended in accordance with the following items:

- See attached Attendance Sheet for the Mandatory Pre-bid Meeting
- The Autocad files have been uploaded to demandstar:

All Bidders shall acknowledge receipt and acceptance of this Addendum No 1 by acknowledging Addendum in their proposal or by submitting the addendum with the bid package. Bids submitted without acknowledgement or without this Addendum may be considered non-responsive

_____ _____
Signature Name Of Business

ATTENDANCE SHEET

Project: City of Key West Public Transportation Facility RFP 001-13
Purpose: Pre-Bid Meeting
Date: September 19, 2012
Location: City Hall - City of Key West

Name	Organization	Phone	E-mail
ANDREW HAYES	HAYES/CUMMINGS ARCHITECTS	727.321.0780	[illegible]
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ATTENDANCE SHEET

Project: City of Key West Public Transportation Facility RFP 001-13
Purpose: Pre-Bid Meeting
Date: September 19, 2012
Location: City Hall - City of Key West

Name	Organization	Phone	E-mail
John Lyons	WHARTON-SMITH	407 321 8410	[illegible]@whartonsmith.com
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THE CITY OF KEY WEST
3140 Flagler St,
Key West, Florida 33040

ADDENDUM #2
Public Transit Facility
Request for Proposal: 001-13
4 October 2012

This Addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is amended in accordance with the following items:

- See attached Questions and Clarifications Sheet for this project
- See attached Cat X documentation. Project shall comply with the requirements of this documentation.

All Bidders shall acknowledge receipt and acceptance of this Addendum No 2 by acknowledging Addendum in their proposal or by submitting the addendum with the bid package. Bids submitted without acknowledgement or without this Addendum may be considered non-responsive

_____ _____

Signature Name Of Business

Questions and Clarifications
CITY OF KEY WEST
Public Transportation Facility Project
Addendum No. 2
October 4, 2012

CLARIFICATIONS

1. The first sentence of the first paragraph of the RFP states that: *"The City of Key West (herein referred to as the CITY) is planning the construction and operation of a Public Transportation Facility (PTF) ….."*. The scope of work, by the Design/Builder, does not include operating the facility.

2. Design/Builder will be responsible for coordinating the removal and replacement of recently installed concrete sidewalk along College Road. Work includes coordinating new locations for the stormwater flumes.

3. Design/Builder will be responsible for removal and disposal of excavated material, generated from underground utility installations (during the construction phase of the new facility), from the site to an appropriately licensed disposal site.

4. Design/Builder shall furnish and install (1) Flagpole 30 ft in height. Pole material shall be aluminum, ground mounted type. Flagpoles shall be capable of withstanding the effect of wind loads as per Florida Building Code. Flag: USA Design. 8'x5' size, nylon fabric, brass grommets, hemmed edges. Cleats: Aluminum with stainless steel swivel snap hook fastenings, two per halyard. Cleat Box: Aluminum with built-in hinge and hasp assembly, attached to pole with tamper proof screws inside box. External Halyard: Ball-bearing, non-fouling, revolving truck assembly of cast metal with continuous 5/16-inch diameter, braided polypropylene halyard and 9-inch cast-metal cleats with fasteners. Finish exposed metal surfaces to match flagpoles.

5. Design/Builder shall provide a line item in the schedule of values to relocate an existing Convault tank from the College Road Site to 633 Palm Avenue Key West FL 33040.

6. Drawing CH2MHILL DEMOLITION: D-02, Note 9, change to: Remove all items listed in the legend to a minimum depth of 4-feet below **proposed capping grade**.

7. Drawing D-07, add: Note 2, All disturbed areas outside of the Proposed Site Plan shown on drawing C-01, shall receive Bahia Sod unless otherwise specified. Sod shall be maintained for 60 days after placement to ensure establishment.

QUESTIONS

Q1. The bid date on October 31st is very aggressive for a design build project of this size and complexity. We are concerned that with the short time our cost proposal may not be as accurate which does not benefit the City. Will the City consider extending the bid date.

A. At this time, the bid due date will not change.

Q2. Page 1.9 of the RFP, Section 1.2.11 requires four copies of the proposal to be submitted. Can you please clarify if four copies of the cost proposal are required or it is just the technical proposal that requires four copies. Typically the cost proposal, bonds and other bid forms are submitted as one original only.

A. Design/Builder is required to submit one (1) copy of the Cost Proposal and four (4) copies of the Technical Proposal.

Q3. Will the City release retainage upon completion of the Phase 1 portion of work.

A. No. The City will release retainage in accordance with Article 5 of the Contract, on page E-2.

Q4. The scoring criteria does not have any place to acknowledge innovation or alternatives by the design build teams. If the teams have alternative ideas that improve the quality of the project how will the City evaluate those ideas.

A. The City is currently reviewing this question. Answer will be provided on the next Addendum.

Q5. Is the pre manufactured bus wash system being supplied by the City?

A. No. Design/Builder to furnish and install bus wash system.

Q6. The RFP does not provide technical specifications to indicate the level of quality of materials. For example the RFP identifies which rooms will have acoustical ceiling but nowhere is there a specification for the actual acoustical ceiling system products. This is typical for all material and equipment components on the project. Does the City have material standards that will be provided.

A. There is not a list of acceptable products. The Design/Builder to submit products which meets the requirements of the RFP (e.g. Acoustical lay-in ceiling shall be a humidity, mold, and mildew resistant product having a reflectance and sound absorption rating appropriate for office and conference room use).

Q7. Page 6-10 of the RFP lists equipment to be included in the maintenance areas. Please clarify if this equipment is to be provided by the City. If not please provide the quantity

and specifications for each piece of equipment required.

A. Please refer to question No. 15.

Q8. Please confirm that the award of the project will be based on the proposed cost and that the alternates will not be part of the award evaluation.

A. Price for alternates will not be added to the base bid.

Q9. **Reference to D-04 and D-05 -** Request for Proposal section 4.2.3, 2nd paragraph indicates "the site will be preliminarily graded to the elevations shown on Drawings D-04 and D-05" and "the final grade shown on drawing D-06". These appear to be drawings in Appendix E. Appendix A - Conceptual Drawing C-02 Proposed Grading and Drainage Plan, does not match Appendix E drawing D-06 for final grades. Please clarify which Final Grading plan is correct.

A. The demolition grading plans (D-04, D-05, D-06) and the proposed grading and drainage plan (C-02) were coordinated as closely as possible to minimize the need to haul material off-site. It is the responsibility of the Design/Builder to finalize the grading plan for the site utilizing the finished floor elevations and storm water system shown on C-02 meeting the requirements of the Design criteria package.

Q10. **Hardscape materials** - Request for Proposal section 5.1.2.2 Site, last bullet indicates that hardscape materials are to be selected to maximize use of "permeable materials and to provide hardscape materials with a Solar Reflectance Index (SRI) of at least 29." Section 5.2.3 Roadways and Street Systems indicates that either reinforced concrete or bituminous pavement. Concrete pavement would meet the SRI of 29. Bituminous would not. Please confirm that meeting the permeability and SRI targets for "hardscape" are not mandatory for Roadways and Streets, unless selected by Design/Builder (for example, to achieve LEED certification level).

A. SRI target is not mandatory for pavement areas unless selected by the Design/Builder to achieve LEED certification level.

Q11. **Exterior CMU stain** - Request for proposal section 5.3.3.3 Materials, 8th bullet, indicates exterior exposed concrete masonry units "are to be stained and sealed". Please advise if this was intended to be a field-applied spray-on stain, or if the exterior CMU are to be integral color.

A. Concrete Masonry Units should have integral color.

Q12. **Exterior Concrete colors** - Request for proposal section 5.3.3.3 Materials, 8th bullet, indicates exterior concrete building surfaces "are to be stained and sealed". 9th bullet

indicates "concrete colors shall be integral to the material itself". Section 5.3.5.2 indicates "concrete walls shall be stained and sealed". Please advise if concrete color is field-applied spray-on stain, or if the concrete is to be integral color.

A. *Concrete should have integral color.*

Q13. Generator Sizing Criteria - Request for proposal section 5.7.4.1, page 5-76, Standby Power Generator refers to "vital loads powered are listed in Section 4.7.4, Specific Electrical Design Criteria". We are unable to locate section 4.7.4. Section 6.6.4 indicates the generator is to be sized "based on a three-day whole facility capability". Please clarify generator sizing criteria.

A. Section 5.7.4.1, page 5-76, should read "vital loads powered are listed in Section ~~4.7.4~~ 6.6.4, Specific Electrical Design Criteria". Section 6.6.4 should be used for generator sizing.

Q14A. Site surcharge, 2ft cap, Industrial SCTL soil - Request for Proposal section 4.2.3 indicates "all material above ground and to a depth of 4 ft below proposed capping grade is to be removed" and "after the proposed capping grade elevations have been obtained two (2) feet of clean, suitable fill will be placed over the entire site to match the final grade". Appendix F, part 4.0 Conclusions and Recommendations appears to address 2 ft cap, with material below Industrial SCTL to remain on site and material above Industrial SCTL to be exported from site. The geographical limits of those areas are not defined in a way that this material can be differentiated and quantified for bidding.

A. Appendix F, part 4.0 continues on to state "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." For costing the work, the design builder shall assume that no soils are above the Industrial SCTL.

Q14B. Request for Proposal section 6.2.10.1 and 6.2.10.2, for Roadway and Parking Areas, appear to indicate a requirement for LBR 40 by proof rolling "existing subgrade" and then surcharging with 5 feet of fill until "monitored settlements have reached a steady state." It is not clear if "existing subgrade" in this context is after the 2 ft cap is installed or current grade. "Steady state" is not defined. Appendix E drawings appear to show 2 ft cap without 4 ft removal. How to resolve 4.2.3, Appendix E, Appendix F, and 6.2.10 is not clear. Please clarify.

A. Existing subgrade is the initial grade, prior to the 2 ft cap is added. The Design/Builder would compact final grade (i.e. after 2ft cap) to required density under buildings, parking, structures, and landscape areas. The need for surcharging the site will be determined by the designer. The surcharging requirements as stated in section 6.2.10.2 are deleted.

Q15. **Equipment Criteria Basis of Bid** - Request for Proposal section 6.3.1.2 3 figure 5-3-1 indicates equipment. Assumption is that design and cost of all equipment listed is included in Bid, and that the details thereof will be worked out during the design phase. Except for bush wash (section 6.4.3) and fueling system (section 6.5.1), there is no detail as to capacity, basis of design Manufacturer, or other data that may help define the equipment to be bid. Please provide for vehicle lifts, welding station, air compressor, battery storage racks, tire racks, HD shelving, lockable cabinets, lockers, ice maker, flatscreen monitor, and supply storage shelving.

A. Design/Builder would not be responsible for the following items: vehicle lifts and welding stations. Other specified equipment shall meet the demands of the facility and to be coordinated with the City.

Q16. I attended the Pre-Proposal Meeting and Site Visit. Please confirm that my attendance as the Architect of Record meets the criteria for our Team to have attended the Meeting and Site Visit. Our contractor on the day of the meeting had to back out and I'm looking for another Team partner to propose with.

A. Your attendance would meet the "criteria of attendance" at the meeting.

Q17. There is language in the RFP on Page 1-11 that states 'more than one proposal from an individual, firm, partnership, joint venture, corporation, or association under the same or different names will not be considered. Can you verify that each Team members may only be on one Team? For example, we as a design firm, could only propose with one contractor.

A. The City has no objection to a sub-consultant team member or subcontractor as a part of different teams submitting proposals. An objection would occur if the same team submitted multiple proposals.

Q18. I attended the Pre-Proposal Meeting and Site Visit. Please confirm that my attendance as the Architect of Record meets the criteria for our Team to have attended the Meeting and Site Visit. Our contractor on the day of the meeting had to back out and I'm looking for another Team partner to propose with.

A. Your attendance would meet the "criteria of attendance" at the meeting for any team you elect to be a part of.

Q19 There is language in the RFP on Page 1-11 that states 'more than one proposal from an individual, firm, partnership, joint venture, corporation, or association under the same or different names will not be considered. Can you verify that each Team members may only be on one Team? For example, we as a design firm, could only propose with one

contractor.

A, We have no objection to a team member or subcontractor as a part of different teams submitting proposals. An objection would occur if the same team submitted multiple proposals

THIS IS A FORMAL ADDENDUM THAT HAS TO BE ACKNOWLEDGED IN THE BID ADDENDA ACKNOWLEDGEMENT FORM. IF A BIDDER FAILS TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM AS PART OF ITS BID SUBMISSION, THE CITY RESERVES THE RIGHT TO REQUEST, AND THE BIDDER MUST COMPLY WITHIN TWO (2) BUSINESS DAYS AFTER RECEIPT OF WRITTEN REQUEST FROM THE CITY.

U.S. Department
of Transportation
**Federal Transit
Administration**

REGION IV
Alabama, Florida, Georgia,
Kentucky, Mississippi,
North Carolina, Puerto
Rico, South Carolina
Tennessee, Virgin Islands

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404-865-5600
404-865-5605 (fax)

Ms. Myra Wittenberg, Manager
City of Key West
P.O. Box 1078
Key West, FL 33040

RE: Documented Categorical Exclusion – City of Key West Transit Facility

Dear Ms. Wittenberg:

The Federal Transit Administration (FTA) has received and reviewed the updated Categorical Exclusion (CE) request and documentation submitted by the City of Key West and the Florida Department of Transportation (FDOT) on September 28, 2011 (and previously) as well as subsequent requested documentation for the construction of a transit administration/fleet maintenance facility located at 3701 College Road, Stock Island, Key West, Florida. Following our concurrence from June 9, 2011, FDOT and the City of Key West conducted additional coordination activities for this project. The previously approved CE has been updated to incorporate additional documentation related to those activities.

Based on our review of the material submitted, the project qualifies as a CE pursuant to 23 C.F.R Section 771.117(d)(8). This CE finding covers the construction of a transit administration and fleet maintenance facility at the above location in Key West, Florida. Please note that the City of Key west should adhere to the mitigation and monitoring measures that are included in the CE and additionally FTA may consider future coordination during final design.

Please be aware that at any time, if there are changes to the Project, you must notify FTA in writing. FTA will determine whether or not any additional environmental review will be required. This CE approval, dated September 28, 2011, expires in three (3) years on September 28, 2014, in accordance with submitted documentation.

Please scan and pin this signed CE concurrence letter from FTA, the CE document, and supporting documentation to the TEAM grant when it is developed for the above facility. If we can be of further assistance, please contact Andres Ramirez of my staff at 404-865-5611.

Sincerely,

Yvette G. Taylor, Ph.D.
Regional Administrator

C.C.:
Mr. Carl Filer, FDOT
Mr. Ed Carson, FDOT
Mr. Ed Coven, FDOT

FTA Region IV
CE Information Checklist

Date: April 28, 2011 / Revised 09-20-2011

Grant Applicant: City of Key West / Department of Transportation

INFORMATION REQUIRED FOR PROBABLE CATEGORICAL EXCLUSION (SECTION 771.117(d))

____A. **DETAILED PROJECT DESCRIPTION: Describe type of project and transit nexus (include applicable FTA Transit Programs supported by this project). This description should include the proposed use, property size, parcel history, ownership information, acreage, and previous and current studies.**

- The proposed project involves the relocation of the City of Key West Department of Transportation (KWDoT) Transit Maintenance and Administration Facility from its current location bordering the old town / downtown historic City of Key West area, to the former Solid Waste to Energy (SWTE) / Ash Transfer facility site located on Stock Island, Key West (Appendix 1).

- The proposed site for the new transit facility encompasses approximately 4 acres of developed land. The 4-acre project site is owned by the City of Key West, and is located within a 50.81-acre parcel also owned by the City. The 4-acre project site is entirely developed and consists of infrastructure associated with the former SWTE/Ash Transfer facility, which includes several buildings/structures, paved visitor/employee parking lot, other paved areas, and a percolation pond (Appendix 2). The buildings/structures within the 4-acre project site include a former resource recovery plant, former solid waste tipping facility, and former ash transfer building. None of these facilities are currently active as the SWTE/Ash Transfer facility operations have been relocated to a different site. No portion of the project site will used by the Key West Solid Waste Department in the future.

- The City's property outside the 4-acre project site consists of a 29-acre capped landfill which was closed in 1993, and undeveloped land. The closed landfill is adjacent to, but entirely outside, the 4-acre site for the new transit facility (see Appendix 2). Construction and operation of the new transit facility would be contained entirely within the 4-acre project site. No portion of the closed landfill or undeveloped land outside the 4-acre project site would be used by the new transit facility.

- The new transit facility is planned to support all City and Lower Keys public transportation administrative, operational, and maintenance functions. The proposed site plan for the new transit facility is provided as Appendix 3. As shown on Appendix 3, the new transit facility would include an administration building, bus maintenance areas, a fuel island, a bus wash area, visitor parking, employee parking, maintenance vehicle parking, bus parking, and dry stormwater detention areas. The areas of the structures (enclosed), non-structures (non-enclosed), and site support space, and the number of parking spaces proposed to be constructed at the new transit facility are presented in Table 1.

TABLE 1
Areas of Components and Number of Parking Spaces Proposed for New Transit Facility

Component	Area (gross sf)	Parking Spaces
Structure		
Administration	2,231	
Operations	2,611	
Bus Maintenance	9,672	
- Wash Lane Building	1,242	
Structure Subtotal	*15,755*	
Non-Structure		
Administration		
- Employee Parking	2,760	8
- Visitor Parking	690	2
Operation		
- Employee Parking	3,105	9
- Visitor Parking	690	2
Bus Maintenance		
- Bus Parking	19,320	21
- Service Vehicle Parking	1,035	3
Maintenance Line		
- Parking Bay	5,520	6
Non-Structure Subtotal	*33,120*	
Site Support	3,220	
Site Support Subtotal	*3,220*	
Component Total	**52,095***	51

*Does not include areas for vehicular circulation, stormwater retention, setbacks, and buffers

- As indicated in Table 1, the combined area of the structures, non-structures, and site support space at the new transit facility would be approximately 52,095 gross square feet. Additional space within the 4-acre project site would be used for vehicular circulation, stormwater retention, setbacks, and buffers.

- The existing infrastructure associated with the former SWTE/Ash Transfer facility at the site will first be demolished. The site will then be cleared, graded to design elevations, and then constructed as shown on Appendix 3. Demolition activities, as well as proposed remedial actions, which have been approved by the Florida Department of Environmental Protection (FDEP) (see Section K), represent the first phase of the project and will be paid for entirely by City of Key West Solid Waste Infrastructure funds. All subsequent construction activities represent the second phase of the project and will be paid for by federal funds. Although the first phase of the project is not part of the federal undertaking, it is discussed in this CE Checklist as part of the overall project to provide context as well as assurance that the City will implement the FDEP-approved remedial actions prior to construction of the new transit facility.

- The new transit facility will be operated in the same manner as the existing bus facility is operated, with no changes to the current numbers of buses, support vehicles, or personnel, or to the current bus routes. As under current operations, the City will operate and maintain a fleet of 17 buses at the new transit facility, and will operate four fixed routes in the City of Key West and adjoining Stock Island communities, and two fixed routes per day between the Cities of Key West and Marathon. The new transit facility will be operated by a total staff of 11 employees, who are currently stationed at the existing bus facility site in downtown Key West.

- A total of 21 City employees, referred to as the Facilities Maintenance Team (FMT) employees, are currently stationed at the project site. The FMT employees work primarily out

of their assigned service trucks and are temporarily stationed at the project site until initiation of site demolition activities, at which time they will be relocated to the existing City facility in downtown Key West. After the new transit facility is constructed, the 11 transit facility employees who are currently at the existing City facility will be relocated to the new transit facility site.

_____B. **<u>LOCATION (INCLUDING ADDRESS):</u> Attach a site map, land use plan or diagram, which identifies the land uses and resources on the site and the adjacent or nearby land uses and resources. This is used to determine the probability of impact on sensitive receptors (such as schools, hospitals, residences) and on protected resources. This must include adjacent parcels.**

- The address of the site for the proposed transit facility is 5701 College Road, Key West, Florida 33040. The project site encompasses approximately 4 developed acres in the northern part of Stock Island, Florida (see Appendix 1). The existing land use within the 4-acre project site consists of inactive infrastructure associated with the former SWTE/Ash Transfer facility, as described in Section A and shown on Appendix 2.

- Existing land uses that border and are in the vicinity of the project site are shown on Appendix 4. As shown on Appendix 4, the project site is bordered to the north by a former 29-acre capped landfill, to the northeast by Gerald Adams Elementary School, to the east and south by College Road, and to the southwest by mangrove wetlands. Existing developed land uses in the vicinity of the site primarily include the Florida Keys Community College and Lower Keys Medical Center to the northeast; the Key West Golf Club to the south, the Sunset Marina and Sunrise Ventures of Key West Condominiums to the west, and the Monroe County Correctional Facility to the southwest. Undeveloped lands in the vicinity of the site primarily include mangrove wetlands to the south and east of College Road and mangrove wetlands and open water to the north and west of the landfill.

_____C. **<u>METROPOLITAN PLANNING AND AIR QUALITY CONFORMITY</u>: Is the proposed project "included" in the current adopted MPO plan, either explicitly or in a grouping of projects or activities? What is the conformity status of that plan? Is the proposed project, or are appropriate phases of the project, included in the TIP? What is the conformity status of the TIP? If the project is not located within MPO boundaries, then indicate in narrative response.**

- The City of Key West is not included in any required MPO boundaries as a City, nor is the County of Monroe as a whole. The City does, however, participate in the Local Coordinating Board of Community Transportation Providers (LCB/CTC) with other public and private transportation providers who all attend a minimum of four quarterly meetings to provide planning and coordination of transportation resources and other community issues with regard to Key West and the Florida Keys areas.

- The proposed transit facility has been coordinated with the Florida Department of Transportation (FDOT) District 6 and is included in the current State Transportation Improvement Program (STIP). The specific page of the STIP that the project appears on is provided as Appendix 5.

- In addition to the LCB/CTC and FDOT District 6 coordination referenced above, the proposed project has been reviewed and approved by the City of Key West Planning Department, Development Review Committee, Tree Commission, Planning Board, and City Commission, as well as by the State of Florida Department of Community Affairs.

_____D. **<u>ZONING:</u> Description of zoning and land use and consistency with proposed use. Describe in narrative why project is compatible with current land use and/or zoning. In cases where additional ordinances exist describe ordinance and explain project compatibility.**

- The most up-to-date zoning map for the project site and vicinity is provided as Appendix 6. The proposed site for the new transit facility is zoned as PS – Public Services. The existing

bus facility site is also zoned PS. PS zoning allows for public and semi-public services including essential public services and facilities. Uses allowed in this zone are limited to public and semipublic services limited to governmental administration buildings, public schools, not-for-profit educational facilities, hospitals, military uses, city landfills, public and private parks and recreation areas, utilities, and other similar activities. The project site is consistent with the current land use and zoning on the parcel. PS is used to provide a management framework for implementing comprehensive plan policies for areas located outside of Old Town which are designated "PS" or "M" on the future land use map. All public and semi-public services developed shall comply with the City of Key West Comprehensive Plan, performance criteria in Chapter 102; articles III, IV, V, and VII of Chapter 108, section 108-956; and article II of Chapter 110, as well as other applicable land development regulations.

_____E. **<u>TRAFFIC IMPACTS:</u> Describe potential traffic impacts, including whether the existing roadways have adequate capacity to handle increased bus and other vehicular traffic. Also include description of ingress, egress and safety.**

- The proposed site for the new transit facility is accessed from College Road, which is a two-lane road (see Appendix 1). US 1, which is a four-lane highway, intersects College Road south of the project site in two locations. The proposed bus entry/exit and employee entry/exit points are on the southern side of the project site and provide access off of College Road as shown on Appendix 3. The route that buses will take in the vicinity of the site is shown on Appendix 4. No modifications to College Road or any other road/intersection are proposed or needed for the new transit facility.

- Operation of the new transit facility is expected to result in a minor reduction in the overall traffic levels in the vicinity of the project site. All six of the City's current bus routes already travel along and provide service to the College Road area. Operation of the new transit facility would not add new routes or modify existing routes. The only additional operational bus traffic that would be generated in the area would be the bus traffic out of the new transit facility at route start up time and the bus traffic into the new transit facility at route end time. Buses would leave the facility between 5:00 am and 7:30 am and would return to the facility between 6:15 pm and 11:15 pm, seven days per week.

- In addition to the bus traffic in and out of the facility, the operational traffic of the facility will also include traffic that is generated by the 11 transit facility employees and visitors to the transit facility. As discussed in Section A, a total of 21 FMT employees are currently stationed at the project site. These 21 FMT employees will be relocated to the existing City facility in downtown Key West after the new transit facility is constructed. Therefore, the operational traffic of the new transit facility (bus traffic in and out of the facility and traffic generated by the 11 transit facility employees and visitors) will replace the service vehicle traffic currently generated by the 21 FMT employees currently stationed at the project site.

- Buses and employees operating out of the new transit facility combined would generate approximately 41 daily trips. A relatively small amount of traffic would also be generated by visitors to the facility. The transit facility employees would have staggered shifts, i.e. they would not all report to and leave the facility at the same time. In comparison, the 21 FMT employees currently stationed at the project site currently generate approximately 45 to 55 daily trips. These employees all report to and leave the site at the same time and come and go from the site throughout the day. As such, operation of the new transit facility is expected to result in a minor reduction in the overall traffic levels in the vicinity of the project site. This conclusion is consistent with the findings of the City of Key West Chief Building Official, Mr. John Woodson, who in a letter dated August 16, 2010, which is provided as Appendix 7, stated the following regarding the proposed new transit facility's potential effect on traffic in the vicinity of the project site: "Additionally, it is further agreed that the relocation of all public transportation activities associated with the 627 Palm Avenue operations to the new site at College Road will not contribute to an increase in traffic or trips along College Road."

_____F. **<u>CO HOT SPOTS</u>: If there are serious traffic impacts at any affected intersection, and if the area is nonattainment for CO, demonstrate that CO hot spots will not result. In nonattainment areas, IAC concurrence and documentation must be attached. If project is not in a non-attainment area for CO, state in narrative.**

- Not applicable. The proposed site for the new transit facility is located within an area that is classified as being "in attainment" for all criteria air pollutants, including CO. As discussed in Section E, operation of the new transit facility is expected to decrease the overall traffic levels in the vicinity of the project site.

_____G. **<u>HISTORIC RESOURCES:</u> Describe any cultural, historic, or archaeological resource that is located in the immediate vicinity of the proposed project and the impact of the project on the resource. Include documentation from the National Register of Historic Places website (http://www.nps.gov/nr). If a historic resource is located in the vicinity of the property (historic site is visible from property), State Historic Preservation Office (SHPO) concurrence should be included. In addition, SHPO concurrence is required if archeological resources are located on property. If no historic or archaeological resource is located in the vicinity of property, please state and provide documentation per website.**

- There are no cultural, historic, or archaeological resources located within or in the immediate vicinity of the proposed site for the new transit facility. A copy of the concurrence letter received from the State of Florida, Division of Historical Resources, State Historic Preservation Office (SHPO), dated July 10, 2009 is provided as Appendix 8. In this letter, SHPO has issued the following concurrence finding for the proposed project:

  > *"Our review of the Florida Master Site File indicates that no significant archaeological or historical resources are recorded within the project areas. Furthermore, because of the location and/or nature of the project, it is unlikely that any such site will be affected."*

_____H. **<u>NOISE:</u> Assess the noise impacts using the FTA Noise and Vibration Manual (http://www.fta.dot.gov/documents/FTA_Noise_and_Vibration_Manual.pdf). Compare the distance between the center of the proposed project and the nearest noise receptor to the screening distance for the type of project per the manual. If the screening distance is not achieved, attach a "General Noise Assessment" with conclusions.**

- The potential noise impacts of the proposed new transit facility were assessed using the guidance provided in FTA's Noise and Vibration Manual: *Transit Noise and Vibration Impact Assessment*, published in May 2006. Based on the manual, the unobstructed screening distance for the new transit facility (Project Type: Bus Facility - Storage & Maintenance) is 350 feet (distance where project noise is estimated to be 50 A-weighted decibels (dBA)). If no noise-sensitive land uses are located within 350 feet (distance applied from center of project site), then no further noise analysis is needed. If one or more noise-sensitive land uses are located within the screening distance, further analysis is required to assess the project's potential noise impacts on those receptors.

- The nearest noise-sensitive land use, Gerald Adams Elementary School, is located approximately 660 feet northeast of the center of the project site (see Appendix 4). Other noise-sensitive receptors in the vicinity of the site include the Key West Golf Club, which is located approximately 850 feet south of the center of the site, and the Sunrise Ventures of Key West Condominiums, which is located approximately 1,100 feet west of the center of the site. Given that all noise-sensitive land uses are located well outside the screening distance for the project, the proposed new transit facility would have no adverse noise impacts.

- Construction and operation of the new transit facility will comply with the City's noise ordinance (Ordinance 03-13), which limits noise to less than 40 decibels before 7:00 am and after 11:00 pm, seven days per week.

_____ I. **VIBRATION: Assess the vibration impacts using the FTA Noise and Vibration Manual (http://www.fta.dot.gov/documents/FTA_Noise_and_Vibration_Manual.pdf). If the proposed project involves new or relocated steel tracks, compare the distance between the center of the proposed project and the nearest vibration receptor to the screening distance for this type of project in FTA's guidelines. If the screening distance is not achieved, attach a "General Vibration Assessment" with conclusions. If the project does not involve new or relocated steel tracks, then there will be no vibration impacts. If so, please state in narrative.**

- The potential noise impacts of the proposed new transit facility were assessed using the guidance provided in FTA's Noise and Vibration Manual: *Transit Noise and Vibration Impact Assessment*, published in May 2006. Based on the manual, it is unlikely that projects that involve rubber-tire vehicles, such as the proposed new transit facility, to have vibration impacts, except in unusual situations. Based on the vibration screening procedure in the manual, if a project that involves rubber-tire vehicles meets the following three criteria, it is not likely to have vibration impacts: 1) Project does not involve roadway irregularity, 2) Vehicles will not operate near vibration-sensitive research or manufacturing buildings, and 3) Vehicles will not operate inside or directly underneath vibration-sensitive buildings. The proposed new transit facility will involve only rubber-tire vehicles and meets all three vibration screening criteria. Therefore, the proposed new transit facility would have no adverse vibration impacts.

_____J. **ACQUISITIONS & RELOCATIONS REQUIRED: Describe land acquisitions and displacements of residences and businesses. Include current use, ownership information and date of property acquisition (if applicable). Please note if FTA funds are used to acquire property or the property is used as local match the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (http://www.fhwa.dot.gov/realestate/ua/ualic.htm) must be followed and documented.**

- The project site is currently under the ownership of the City of Key West. The proposed new transit facility does not require any land acquisitions and will not displace residences or businesses.

_____K. **HAZARDOUS MATERIALS: If real property is to be acquired, has a Phase I site assessment for contaminated soil and groundwater been performed? If a Phase II site assessment is recommended, has it been performed? What steps will be taken to ensure that the community in which the project is located is protected from contamination during construction and operation of the project? State the results of consultation with the cognizant State agency regarding the proposed remediation?**

- A Preliminary Site Assessment (PSA) was conducted in 2007 by CH2M HILL to evaluate potential contamination at the proposed transit facility site. The PSA investigated nine Areas of Concern (AOCs) that were identified based on information collected during a previous due diligence evaluation of the site. The results of the PSA were presented in the *Preliminary Site Assessment Report, Southernmost Waste-to-Energy Facility, CH2M HILL, April 2007*. The PSA included installation of new groundwater monitoring wells; sampling of the installed and existing monitoring wells; soil sampling at the monitoring well locations; and sediment sampling of the former percolation pond. The PSA results indicated that some parameters detected in soil samples exceeded residential soil cleanup target levels (SCTLs) and some parameters detected in groundwater samples exceeded groundwater cleanup target levels (GCTLs). A follow-up groundwater sampling effort was conducted based on the PSA recommendations and its findings were 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, dated September 25, 2007. 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 City's long-term groundwater monitoring program at the site.

- Additional soil and groundwater sampling was conducted by CH2M HILL in January 2011 to support development of an Interim Remedial Action Plan (IRAP) for the proposed transit facility site. The findings and recommendations of the IRAP investigation were presented in the *Interim Remedial Action Report (IRAR), Southernmost Waste-to-Energy Facility, CH2M HILL, March 2011*. The recommendations presented in the IRAR (provided as Appendix 9) for FDEP review were contingent on exceedances of industrial SCTLs as follows:
    - If no elements or compounds are detected in excess of 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 industrial SCTLs, materials exceeding the industrial target levels will 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.
- The results of the IRAP investigation indicated that all compounds detected in groundwater were below their respective GCTLs and that all compounds detected in soil were below their respective industrial SCTLs. Based on the results of the investigation, the following recommendations were made in the IRAR:
    - Use materials remaining onsite after demolition as fill material and cover them with 2 feet of clean soil.
    - As part of the demolition activities, abandon all monitoring wells installed as part of the PSA.
    - Install two additional monitoring wells, one to the west and one to the south of the ash transfer building. Add the new wells to the City's long-term groundwater monitoring program.
    - Add thallium and Arochlor to the City's long-term groundwater monitoring program for at least four monitoring events. If no thallium or Arochlor are detected at or above GCTLs during the four events, discontinue monitoring these parameters.
- The IRAR report was submitted to the FDEP South District Office in Fort Myers, Florida for review. In a letter dated April 18, 2011, which is provided as Appendix 10, FDEP concurred with all the recommendations made in the IRAR. FDEP provided an attachment to the letter that showed the locations where the two additional monitoring wells should be installed (see Appendix 10). In the letter, FDEP stated the following: "The Department has determined that the actions proposed in this IRAR represents 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 the City of Key West Stock Island. Pursuant to paragraph 62-780.600, F.A.C. The Department approves the IRAR subject to the addition of the recommended groundwater monitoring wells and additional parameters." All the FDEP-approved recommended actions in the IRAR will be implemented by the City of Key West. The installation of the two new groundwater wells, as well as all demolition activities, will be paid for entirely by City of Key West Solid Waste Infrastructure funds.
- Further, after additional review and communications between Florida Department of Transportation (FDOT), District 6 Public Transit Office (D6/PTO), Federal Transit Administration (FTA), Florida Department of Environmental Protection (FDEP) and City of Key West via email and phone conferences held from September 6 through September 16, 2011, regarding concerns of interim requirements of construction of the new transit facility- please be advised that the DCE Agreement shall include "**Appendix 15"** as mutually agreed upon all parties of said agreement.
- City of Key West shall comply with all requirements outlined in the April 18, 2011, letter received from FDEP as well as those additional conditions set forth in **Appendix 14** herein revised and dated September 8, 2011.

_____L. **<u>COMMUNITY DISRUPTION AND ENVIRONMENTAL JUSTICE:</u> Provide a socioeconomic profile (and socioeconomic census map) of the affected community. Describe the impacts of the proposed project on the community. Identify any community resources that would be affected and the nature of the effect. If project is not located in a distressed socioeconomic area, provide narrative and census map documentation (**http://www.fhwa.dot.gov/environment/ej2.htm**).**

- The community in the vicinity of the project site, which is north of US 1, consists of a relatively sparse (low density) middle-to- high income population of mostly white racial makeup. Census socioeconomic data is available only for the portion of Stock Island that is south of US 1 because there are very few residences north of US 1 on the island.
- The proposed project would not adversely impact any residential or non-residential community feature. The only residences north of US 1 on Stock Island are houses located on the golf course and the Sunrise Ventures of Key West Condominiums. The nearest house on the golf course is located approximately 1,040 feet southeast of the transit facility site and the Sunrise Ventures of Key West Condominiums are located approximately 1,100 feet west of the transit facility site (see Appendix 4). The nearest non-residential community features to the transit facility site are Gerald Adams Elementary School located approximately 660 feet to the northeast, the Key West Golf Club located approximately 600 feet to the south, and the Sunset Marina located approximately 1,300 feet to the west.
- The new transit facility would not increase traffic or result in adverse noise impacts, as discussed in Sections E and H, respectively. Operation of the new transit facility would not add new routes or modify existing routes; therefore, no new bus routes will run through any residential areas in the vicinity of the site. Because the project will not result in significant adverse impacts to human populations, it would not have any disproportionate adverse effects on minorities or low-income populations.
- The City of Key West Planning Department policies include notification of all property owners within 300 feet of any Major Development Application, in accordance with information on file with the Monroe County Property Appraiser's Office via the County Clerk's process. In accordance with this policy, the City coordinated the proposed project with landowners/properties in the vicinity of the project site, and the general public through public notices and invites to all associated City Commission and Planning Board meetings. The extensive coordination the City has undertaken has provided many opportunities and forums for citizen comments through which the project has been well received by the surrounding community. The referenced City Commission and Planning Board meetings held for the project are documented below:

Planning Board (advisory appointed board serving the City Commission which also solicits public input)	September 18, 2008 November 20, 2008
Development Review Committee (a committee of City of Key West staff members and the general public)	June 12, 2008 March 25, 2010
City Commission – Official governing board/City of Key West (also providing for public input/public comment)	November 19, 2008 May 19, 2009 May 4, 2010

_____M. **<u>USE OF PUBLIC PARKLAND AND RECREATION AREAS:</u> Indicate parks and recreational areas on the site map. If the activities and purposes of these resources will be affected by the proposed project, state how and provide concurrence from the appropriate government authority having jurisdiction over the asset(s) should be included. If the proposed project is not located in or in the vicinity of a public parkland and recreation areas, please state such and provide documentation (map).**

- There are no parks in the vicinity of the proposed site for the new transit facility. The nearest recreational area is the Key West Golf Club, which at its nearest point is located approximately 600 feet south of the site (see Appendix 4). This golf club is privately owned, open to the public, and offers private memberships as well. The new transit facility will not require acquisition of any recreational property and its construction and operation will not adversely affect the Key West Golf Club or any other recreational area. As discussed in

Section L, the City coordinated the proposed project with all nearby property owners, including the golf course, through public notices and invites to all associated City Commission and Planning Board meetings.

_____N. **<u>IMPACTS ON WETLANDS:</u> Show potential wetlands on the site map. Describe the project's impact to on-site and adjacent wetlands. If the project impacts wetlands, please provide mitigation efforts. If the project is not located on wetlands or will not impact any wetland areas, please state and provide documentation (map).**

- The proposed site for the new transit facility is entirely developed and it contains no wetlands. The southwestern side of the project site is bordered by mangrove wetland (see Appendix 4).

- The proposed project was issued an Environmental Resource permit (ERP) from the South Florida Water Management District (SFWMD) on August 23, 2010 (Permit No. 44-00076-S), which is provided as Appendix 11. The issued permit states the following pertaining to wetlands: "No wetlands or other surface waters are located within the project site, and no adjacent wetlands or other surface waters outside the project site will be adversely affected by the proposed project. Specifically, the permittee will install and maintain a chain link fence around the entire perimeter of the project site, which will eliminate or minimize secondary adverse impacts to the mangrove wetlands located along the southwest side of the project site. To ensure that proposed construction activities do not degrade adjacent wetlands and surface waters, the permittee will install and maintain temporary silt fences around the limits of construction in accordance with Exhibit 2 and as stipulated in the special conditions of this permit. The temporary erosion control barriers will be installed prior to and will be removed upon completion of construction activities" (see Appendix 11).

- In addition to complying with the conditions of the issued ERP, the City will obtain a FDEP National Pollutant Discharge Elimination System (NPDES) storm water construction permit prior to construction and will develop and implement an associated Storm Water Pollution Prevention Plan (SWPPP). The Best Management Practices (BMPs) and erosion/sedimentation controls that will be implemented to prevent indirect impacts to offsite wetlands during construction will be identified in the SWPPP.

_____O. **<u>FLOODPLAIN IMPACTS:</u> Is the proposed project located within the 100-year or 500-year floodplain? If so, address possible flooding of the proposed project site and flooding induced by proposed project due to its taking of floodplain capacity. In addition, please provide documentation on how project will be designed to restore floodplain capacity. If project is not located in the 100- year or 500-year floodplain, please state and provide documentation (map).**

- The proposed site for the new transit facility is located within the 100-year floodplain. The most up-to-date 100-year floodplain map for the project site and vicinity is provided as Appendix 12. All of the island of Stock Island and Key West, except for a very small area in the center of the City of Key West, are located within the 100-year floodplain. Therefore, there are no sites for the proposed new transit facility that are not located within the 100-year floodplain. The new transit facility will be elevated above base flood elevation per applicable code requirements. Per the ERP permit that was issued by SFWMD on August 23, 2010 (Permit No. 44-00076-S), the project does not require floodplain compensation (see Appendix 11).

_____P. **<u>IMPACTS ON WATER QUALITY, NAVIGABLE WATERWAYS, & COASTAL ZONES:</u> If any of these are implicated, provide detailed analysis. If not, please state and provide documentation (how can they get documentation).**

- Construction and operation of the proposed new transit facility will have no effect on navigable waterways or coastal zones.

- The proposed project was issued an ERP from SFWMD on August 23, 2010 (Permit No. 44-00076-S), which is provided as Appendix 11. The ERP covers the construction and operation of onsite storm water management systems, which will include dry retention ponds and associated storm water drainage features. All storm water management systems will be designed and operated per the requirements of the ERP to prevent impacts to water quality. The issued permit states the following pertaining to water quality: "No adverse water quality impacts are anticipated as a result of the proposed project. The surface water management system has been designed to treat a volume of runoff equal to 2.5 inches times the percent of impervious area. The treatment is provided within interconnected dry retention areas. The issuance of this permit constitutes a finding of consistency with the Florida Coastal Management Program."

- In addition to complying with the conditions of the issued ERP, the City will obtain a FDEP NPDES storm water construction permit prior to construction and will develop and implement an associated SWPPP. The BMPs and erosion/sedimentation controls that will be implemented to prevent indirect impacts to the water quality of offsite surface waters during construction will be identified in the SWPPP.

- As discussed in Section K, all compounds detected in groundwater during the 2011 IRAP investigation were below their respective GCTLs. Per the FDEP-approved recommended actions in the IRAR, the City will abandon all monitoring wells at the site installed as part of the PSA; install two new monitoring wells at the site and monitor them as part of the City's long-term groundwater monitoring program; and add thallium and Arochlor to the City's long-term groundwater monitoring program.

_____Q. **<u>IMPACTS ON ECOLOGICALLY-SENSITIVE AREAS AND ENDANGERED SPECIES:</u>** **Describe any natural areas (woodlands, prairies, wetlands, rivers, lakes, streams, designated wildlife or waterfowl refuges, and geological formations) on or near the proposed project area. If present, state the results of consultation with the state department of natural resources on the impacts to these natural areas and on threatened and endangered fauna and flora that may be affected.**

- The proposed site for the new transit facility is entirely developed and does not contain any ecologically sensitive areas or provide habitat for any State or federally listed species. The nearest natural area is a mangrove wetland that borders the southwestern side of the site (see Appendix 4). Other natural areas in the vicinity of the site include mangrove wetlands to the south and east of College Road and mangrove wetlands and open water to the north and west of the offsite landfill.

- The proposed project has been coordinated with the U.S. Fish & Wildlife Service (USFWS). In a reply email dated July 23, 2010, which is provided as Appendix 13, USFWS provided the following comments on the project: "The project site is scarified, developed, and unsuitable as habitat for federally listed species. In addition, no federally species are known for this site. This letter fulfills the requirements of section 7 of the Act and no further action is required. If modifications are made to the project, if additional information involving potential effects to listed species becomes available, or if a new species is listed, reinitiating of consultation may be necessary."

- In addition to the USFWS concurrence, the ERP issued by SFWMD on August 23, 2010 (Permit No. 44-00076-S) states the following pertaining to wildlife and listed species: "The project site does not contain preferred habitat for wetland-dependent endangered or threatened wildlife species or species of special concern. No wetland-dependent endangered/threatened species or species of special concern were observed onsite and submitted information indicates that potential use of the site by such species is minimal" (see Appendix 11).

_____R. **<u>IMPACTS ON SAFETY AND SECURITY:</u>** **Describe the measures that would need to be taken to provide for the safe and secure operation of the project after its construction.**

- Safety/security signage, security systems/personnel, and other features/measures will be implemented as appropriate and required at the proposed project site. The proposed project site will provide the City the opportunity to achieve a greater level of security for transit operations relative to the existing site. The project site will include a new security perimeter fence and a control operated gate. The new security fence will replace the existing perimeter fence at the site. The existing perimeter fence will be left in place to provide security and to prevent encroachment into offsite wetlands through the construction phase until it can be replaced. The new security fence material, location, and installation shall comply with Monroe County Land Development Regulations. In addition to providing security, the new security fence will prevent encroachment into the offsite mangrove wetlands located along the southwestern side of the site, as required by Special Condition No. 14 of the ERP issued by SFWMD (see Appendix 11). The new security fence will be maintained in perpetuity. Also under consideration are additional onsite security measures such as security cameras and specialty locks on doors.

- The City currently does not have a secure maintenance yard for CDL activities due to it being shared with public works and fleet maintenance citywide. The City currently cannot screen visitors in any area of the building or maintenance areas due to public access requirements of other city activities as well as shared maintenance use of the building. Similarly, major provisions set forth in the required System Security Plan and System Safety Program Plan documents (FAC 14-90 requirement) cannot be implemented in the current location due to the shared use of other city departments. The proposed new transit facility will correct these existing safety and security deficiencies as it will be dedicated only for transit operations.

- Employees and contractors will follow all applicable Occupational Safety and Health Administration (OSHA) standards and procedures during operation of the new facility.

_____S. **<u>IMPACTS CAUSED BY CONSTRUCTION</u>: Describe the construction plan and identify impacts due to construction noise, utility disruption, debris and spoil disposal, air and water quality, safety and security, and disruptions of traffic and access to property. If applicable, please include any National Pollutant Discharge Elimination System best practice measures** (**<u>http://cfpub.epa.gov/NPDES/</u>**).

- The first phase of construction of the new transit facility will involve demolition of the existing site infrastructure. After demolition of the existing infrastructure, the site will be graded and the new infrastructure will be constructed. Construction noise would temporarily increase ambient noise levels at and around the site. Based on noise levels of typical construction activities and noise dissipation rates over distance, generated noise levels are expected at times to be above 65 dBA at the nearest noise receptor, which is the Gerald Adams Elementary School. However, communication and cooperative efforts between the City of Key West and Monroe County School Board staff will ensure that any issues or concerns that may arise due to excessive noise levels during construction will be resolved amicably amongst the two entities. Generated construction noise is expected to be well below 65 dBA in the nearest residential areas, which are houses on the golf course and the Sunrise Ventures of Key West Condominiums. The construction phase will be limited to a 9 - 12 month period and it will meet all noise ordinance regulations of both Monroe County and the City of Key West, which limits noise to less than 40 dBA before 7:00 am and after 11:00 pm, seven days per week.

- Construction of the new transit facility is not expected to disrupt utility service in the surrounding community. All generated construction debris and spoil will be contained within the site boundaries prior to disposal. Generated debris/spoil will be disposed of at an approved offsite disposal facility. Construction activities will generate fugitive dust and construction vehicle/equipment exhaust emissions. The overall impacts to air quality would be minor. Fugitive dust will be controlled at the site using BMPs such as the periodic watering of stockpiled material. Exhaust emissions would be temporary, and at their expected generation levels, would not significantly impact air quality. Appropriate BMPs and erosion/sedimentation controls will be implemented during the construction period to prevent indirect impacts to offsite wetlands and surface waters, per the conditions in the ERP issued by SFWMD (see Appendix 11). The City will also obtain a FDEP NPDES storm water construction permit and will implement an associated SWPPP. Construction activities will be conducted in accordance with all applicable State, City, and OSHA regulations pertaining to worker and public safety. The site will be secured by a locked fence and patrolled as needed by security personnel during the construction period.

- No public or private access to the project site will be needed during the construction period. The projected increase in traffic during construction is expected to be minor, and traffic levels will return to current levels after the work is completed. Traffic will be directed in the vicinity of the site by workers or City personnel as needed. Closer to construction start up, the City will coordinate details of the construction with the Gerald Adams Elementary School and will strive to accommodate any requests the school may have regarding traffic, noise, or safety issues. Monroe County School Board officials have expressed their desire to work closely with the City to minimize the potential for any disruptions to school activities during the construction period.

The action described above meets the criteria for a NEPA categorical exclusion (CE) in accordance with 23 CFR Part 771.117 (d) (8).

Applicant/Grantee Environmental Reviewer — Date: 09-20-11

Agency: City of Key West / Department of Transportation

Applicant/Grantee Environmental Reviewer — Date: 9/27/11

Agency: Florida Department of Transportation / District Six / Environmental Management

FTA Grant Representative — Date: 9/29/11

Appendices

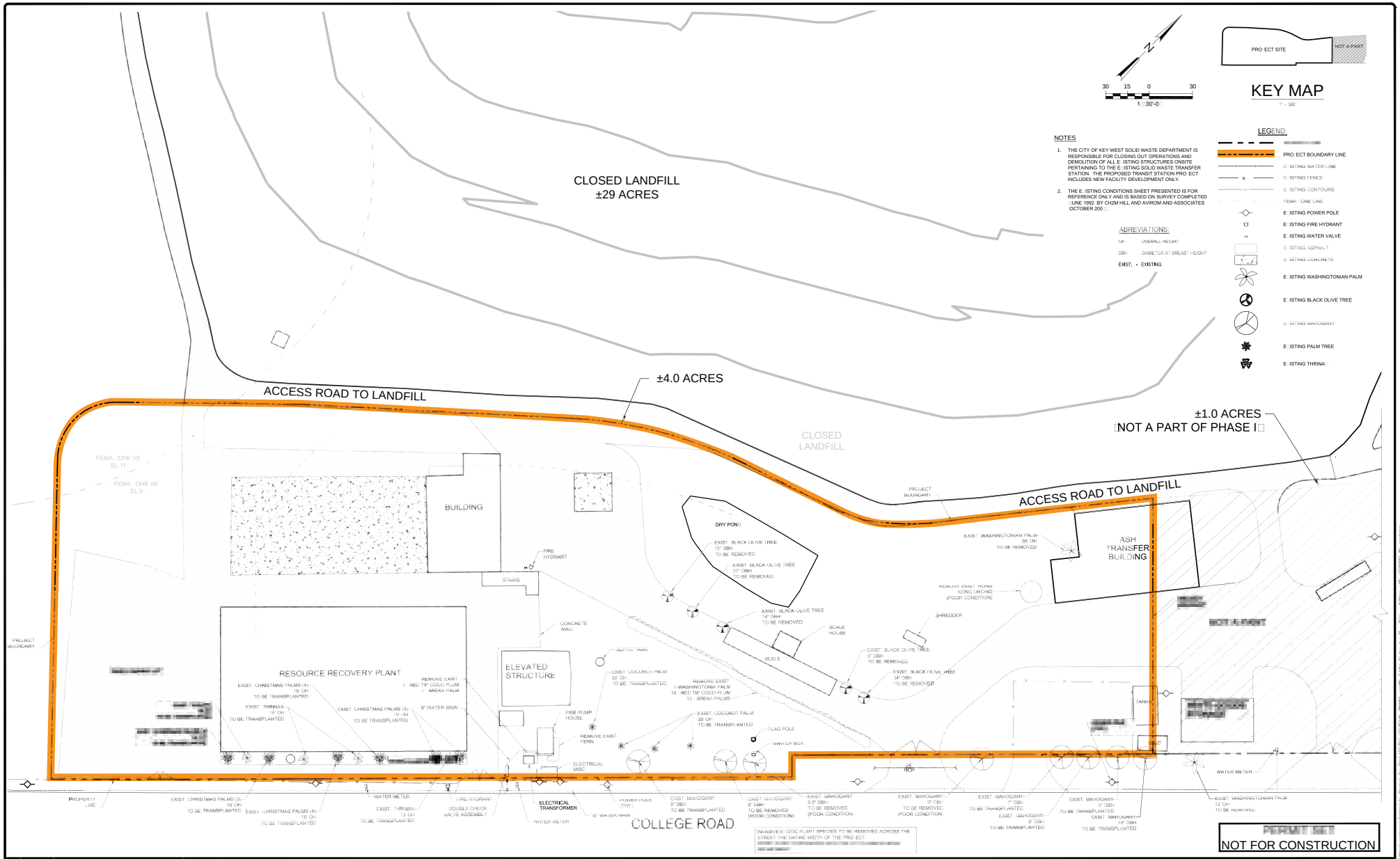
- *Appendix 1- Existing and Proposed Transit Facility Sites*
- *Appendix 2 - Existing Conditions at Proposed Transit Facility Site*
- *Appendix 3 - Proposed Site Plan*
- *Appendix 4 - Existing Land Use Map*
- *Appendix 5 - STIP Page 2081*
- *Appendix 6 - Zoning Map*
- *Appendix 7 - City of Key West Chief Building Official Letter*
- *Appendix 8 - SHPO Concurrence Letter*
- *Appendix 9 - Interim Remedial Action Report*
- *Appendix 10 - FDEP Concurrence Letter*
- *Appendix 11 - Environmental Resource Permit*
- *Appendix 12 - 100-Year Floodplain Map*
- *Appendix 13 - USFWS Concurrence Letter*
- *Appendix 14 - Email Communications - September 6 & 7, 2011 (FDEP / FDOT / FTA & Key West City)*
- *Appendix 15 - FDOT Statements per Email of September 16, 2011 (Compliance / Plans & Specifications and Report)*

APPENDIX 1
Existing and Proposed Transit Facility Sites

\\topaz\GIS\Proj\Monroe\KewWest71306.mxd 7/13/06 pcooney

SOURCE: Street Map USA

APPENDIX 2
Existing Conditions at Proposed Transit Facility Site



NO.	DATE	REVISION	APP'D. BY
5			
4			
3			
2			
1	2 10	SFWMD PERMIT	

DESIGNER: ORB
DRAWN BY: CAA
CHECKER: MB
SCALE: AS SHOWN

CHEN & ASSOCIATES
Civil and Environmental Engineers
500 West Cypress Creek Road, Suite 410
Fort Lauderdale, Florida 33309
Tel: 954.750.0707
EB 0004593

OSCAR R. BELLO, PE
CIVIL ENGINEER
FL Reg. No. 12

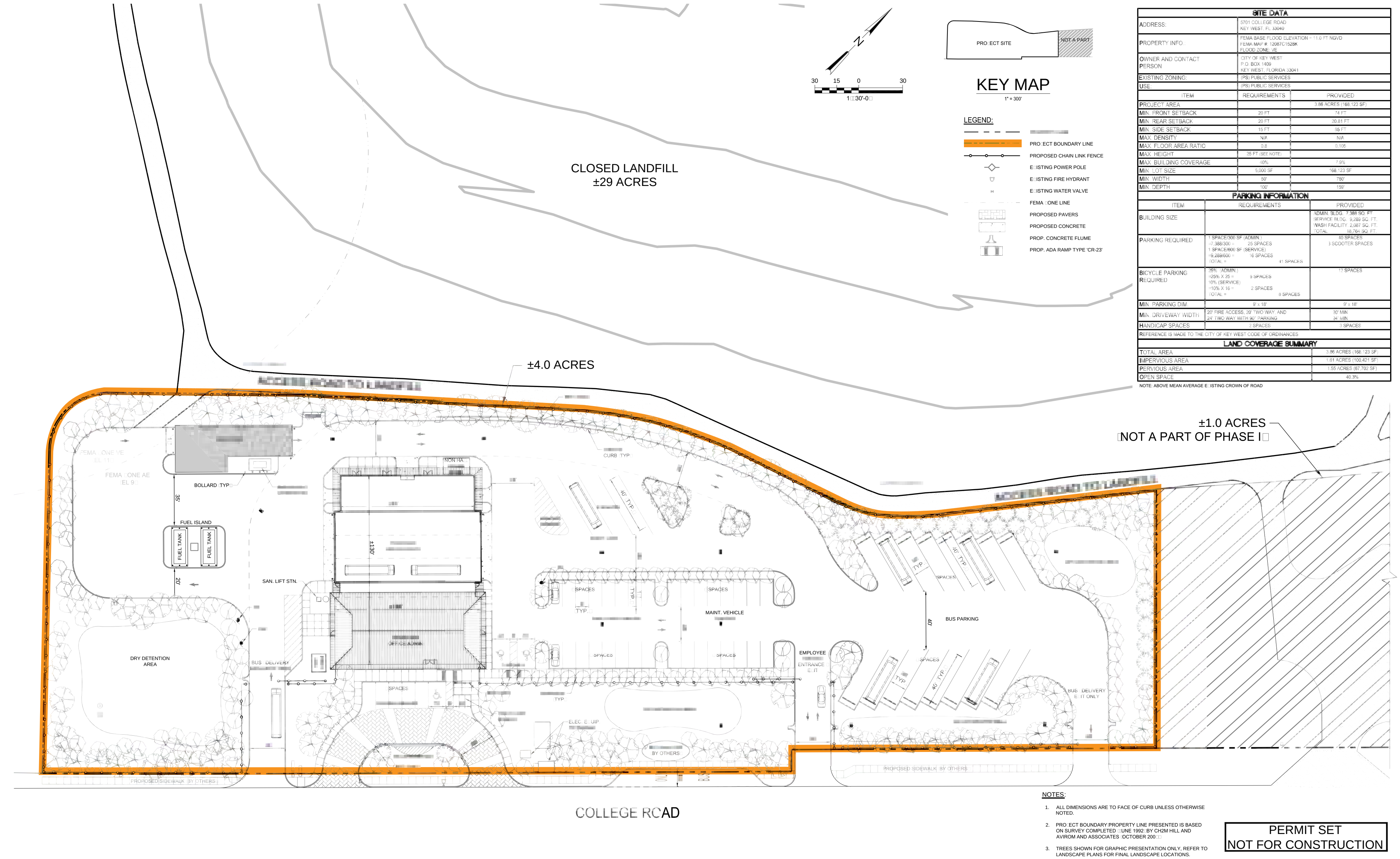
CITY OF KEY WEST, FLORIDA
DEPARTMENT OF TRANSPORTATION
27 PALM AVENUE, KEY WEST, FL 33040

CITY OF KEY WEST
PUBLIC TRANSPORTATION FACILITY
5701 COLLEGE ROAD, KEY WEST, FL 33040

EXISTING CONDITIONS

Date: JUNE 2010
Sheet: ____ of ____ Drawing: EC-01

APPENDIX 3
Proposed Site Plan



SITE DATA		
ADDRESS:	5701 COLLEGE ROAD KEY WEST, FL 33040	
PROPERTY INFO.:	FEMA BASE FLOOD ELEVATION = 11.0 FT NGVD FEMA MAP #: 12087C1528K FLOOD ZONE: VE	
OWNER AND CONTACT PERSON	CITY OF KEY WEST P.O. BOX 1409 KEY WEST, FLORIDA 33041	
EXISTING ZONING:	(PS) PUBLIC SERVICES	
USE:	(PS) PUBLIC SERVICES	
ITEM	REQUIREMENTS	PROVIDED
PROJECT AREA		3.86 ACRES (168,123 SF)
MIN. FRONT SETBACK	20 FT	74 FT
MIN. REAR SETBACK	20 FT	20.81 FT
MIN. SIDE SETBACK	15 FT	85 FT
MAX. DENSITY	N/A	N/A
MAX. FLOOR AREA RATIO	0.8	0.105
MAX. HEIGHT	25 FT (SEE NOTE)	
MAX. BUILDING COVERAGE	40%	7.9%
MIN. LOT SIZE	6,000 SF	168,123 SF
MIN. WIDTH	50'	760'
MIN. DEPTH	100'	159'

PARKING INFORMATION		
ITEM	REQUIREMENTS	PROVIDED
BUILDING SIZE		ADMIN. BLDG. 7,388 SQ. FT. SERVICE BLDG. 9,289 SQ. FT. WASH FACILITY 2,087 SQ. FT. TOTAL 18,764 SQ. FT.
PARKING REQUIRED	1 SPACE/300 SF (ADMIN.) =7,388/300 = 25 SPACES 1 SPACE/600 SF (SERVICE) =9,289/600 = 16 SPACES TOTAL = 41 SPACES	40 SPACES 3 SCOOTER SPACES
BICYCLE PARKING REQUIRED	25% (ADMIN.) =25% X 25 = 6 SPACES 10% (SERVICE) =10% X 16 = 2 SPACES TOTAL = 8 SPACES	12 SPACES
MIN. PARKING DIM.	9' x 18'	9' x 18'
MIN. DRIVEWAY WIDTH	20' FIRE ACCESS, 20' TWO WAY, AND 24' TWO WAY WITH 90° PARKING	20' MIN 24' MIN
HANDICAP SPACES	2 SPACES	3 SPACES
REFERENCE IS MADE TO THE CITY OF KEY WEST CODE OF ORDINANCES		

LAND COVERAGE SUMMARY	
TOTAL AREA	3.86 ACRES (168,123 SF)
IMPERVIOUS AREA	1.61 ACRES (100,421 SF)
PERVIOUS AREA	1.55 ACRES (67,702 SF)
OPEN SPACE	40.3%

NOTE: ABOVE MEAN AVERAGE EXISTING CROWN OF ROAD

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. PROJECT BOUNDARY PROPERTY LINE PRESENTED IS BASED ON SURVEY COMPLETED JUNE 1992, BY CH2M HILL AND AVIROM AND ASSOCIATES OCTOBER 2007.
3. TREES SHOWN FOR GRAPHIC PRESENTATION ONLY, REFER TO LANDSCAPE PLANS FOR FINAL LANDSCAPE LOCATIONS.

PERMIT SET
NOT FOR CONSTRUCTION

NO.	DATE	REVISION	APP'D. BY
5			
4			
3			
2			
1	02/10	SFWMD PERMIT	

DESIGNER: ORB
DRAWN BY: CAA
CHECKER: MB
SCALE: AS SHOWN

CHEN & ASSOCIATES
Civil and Environmental Engineers
500 West Cypress Creek Road, Suite 410
Fort Lauderdale, Florida 33309
Tel: 954.730.0707
EB 0004593

OSCAR R. BELLO, PE
CIVIL ENGINEER
FL. Reg. No. 51612

CITY OF KEY WEST, FLORIDA
DEPARTMENT OF TRANSPORTATION
27 PALM AVENUE, KEY WEST, FL 33040

CITY OF KEY WEST
PUBLIC TRANSPORTATION FACILITY
5701 COLLEGE ROAD, KEY WEST, FL 33040

PROPOSED SITE PLAN

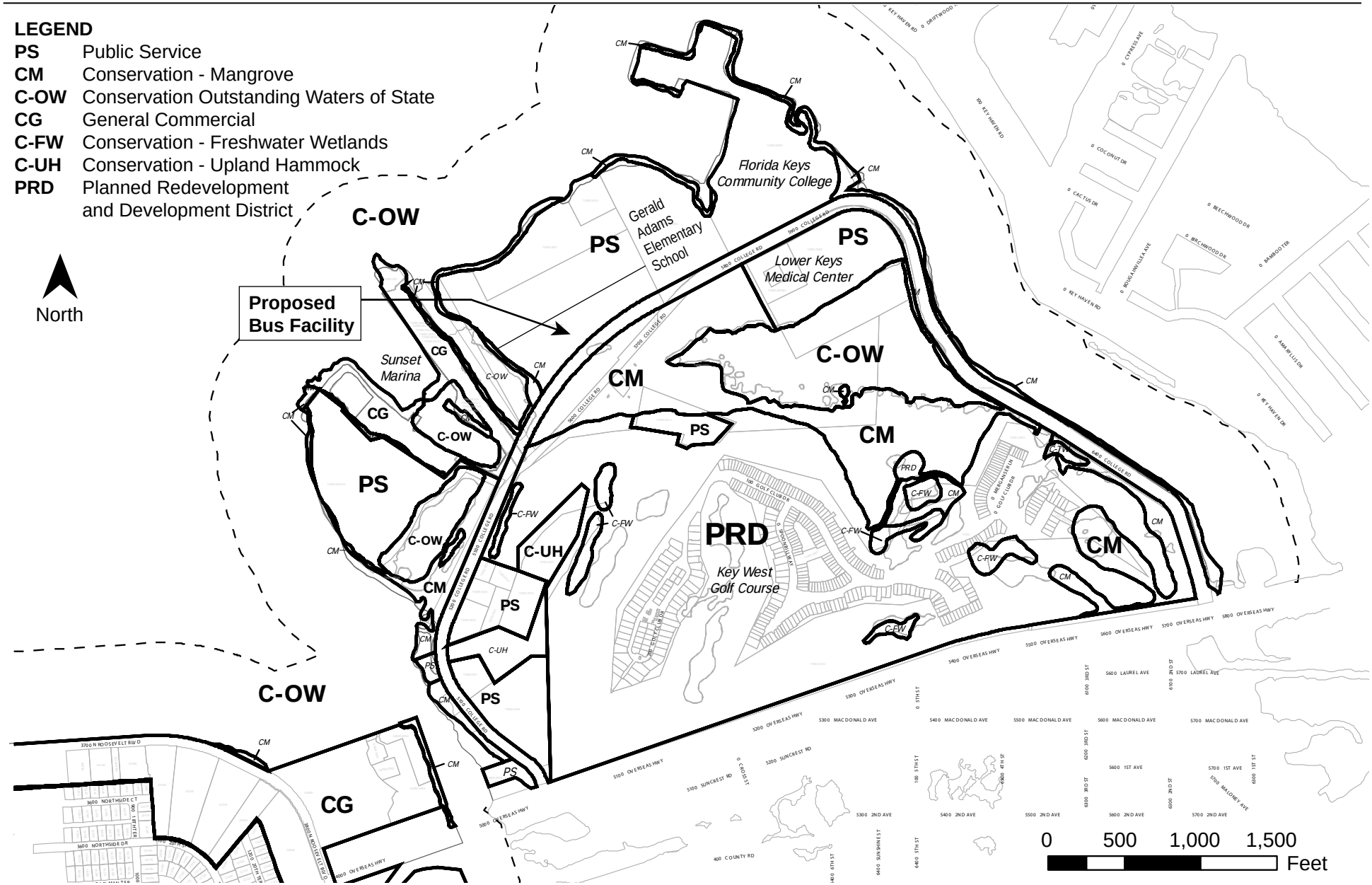
Date: JUNE 2010
Sheet: ____ of ____ Drawing: ____

APPENDIX 4
Existing Land Use Map

Bus Route

07/27/2009 17.36.08 FLORIDA DEPARTMENT OF TRANSPORTATION PAGE 2081
07/01/2009 15.21.43 STATE TRANSPORTATION IMPROVEMENT PROGRAM MPARJ93(A)
GEOGRAPHIC DISTRICT 06 FISCAL YEAR 2010
ADOPTED PLAN **TRANSIT**

ITEM NO / OLD ITEM / DESCRIPTION / COUNTY / RDWY ID / PROJ LGTH / FEDERAL AID NUMBER	TYPE OF WORK / EXIST/IMPROVE/ADD (LANES) / FISCALYR / FUND	PRELIMINARY ENGINEERING	RIGHT-OF-WAY	RAILROADS & UTILITIES	CONSTRUCTION	GRANTS & MISC.
4114956 CITY OF KEY WEST						
LOWER KEYS SHUTTLE BUS FACILITES ON STOCK ISLAND						
MONROE	CAPITAL FOR FIXED ROUTE					
.000	0 0 0					
	2010 FTA	0	0	0	0	950,000
	LF	0	0	0	0	237,500
	** ITEM TOTALS **	0	0	0	0	1,187,500
4151731 CITY OF KEY WEST-DOT						
JARC/LOWER KEYS TRANSIT SERVICE						
MONROE	OPERATING FOR FIXED ROUTE					
.000	0 0 0					
	2010 FTA	0	0	0	0	1,495,301
	LF	0	0	0	0	346,794
	** ITEM TOTALS **	0	0	0	0	1,842,095
4151732 CITY OF KEY WEST						
JOB ACCESS PROGRAM LOWER KEYS SHUTTLE						
MONROE	CAPITAL FOR FIXED ROUTE					
.000	0 0 0					
FTAX-006-A	2010 FTAT	0	0	0	0	495,000
	SU12	0	0	0	0	495,000
	LF	0	0	0	0	123,750
	** ITEM TOTALS **	0	0	0	0	1,113,750
4151733 CITY OF KEY WEST						
LOWER KEYS SHUTTLE						
MONROE	PURCHASE VEHICLES/EQUIPMENT					
.000	0 0 0					
	2010 FTA	0	0	0	0	294,000
	LF	0	0	0	0	73,500
	** ITEM TOTALS **	0	0	0	0	367,500
4177311 CITY OF KEY WEST-DOT						
STATE TRANSIT BLOCK GRANT						
MONROE	OPERATING FOR FIXED ROUTE					
.000	0 0 0					
	2010 DDR	0	0	0	0	31,838
	DPTO	0	0	0	0	140,535
	LF	0	0	0	0	172,373
	** ITEM TOTALS **	0	0	0	0	344,746



Source: www.keywestcity.com

APPENDIX 7
City of Key West Chief Building Official Letter

John Woodson
Chief Building Official

PO Box 1409
Key West, FL 33041
(305) 809-2000

August 16, 2010

To Whom It May Concern:

Re: New Transit Facility / 5701 College Road, Key West, Florida 33040

The purpose of this letter is to state that the City of Key West Department of Transportation has followed all local planning, permitting and regulatory processes including review and approval by the City's Planning Department, Development Review Committee (DRC), Planning Board and City Commission of the City of Key West insofar as the approval of said Major Development Application Permit with regard to the Proposed New Transit Facility at 5701 College Road, Key West, Florida.

Additionally, it is further agreed that the relocation of all public transportation activities associated with the 627 Palm Avenue operations, to the new site at College Road, will not contribute to an increase in traffic or trips along College Road. Rather, it is the City's position that the relocation from Palm Avenue to College Road will decrease traffic, and congestion along a major old town corridor, namely Palm Avenue, by placing the transit operations and administrative activities to a site located outside of the historic / old town / downtown area of Key West, Florida.

In closing it should be noted that the City of Key West City Commission approved this project at 5701 College Road, for redevelopment from a heavy industrial operation (solid waste to energy station and city transfer station) to a less industrial use; that of a new Transit Facility - with detail and attention at the forefront through the process regarding preservation of the environment, the neighborhood and relationship to similar activities and uses, both past and present, in the area.

Should you require additional information please feel free to contact me.

Sincerely,

John P. Woodson

John Woodson, Chief Building Official
City of Key West

/JW

APPENDIX 8
SHPO Concurrence Letter

FLORIDA DEPARTMENT OF STATE
Kurt S. Browning
Secretary of State
DIVISION OF HISTORICAL RESOURCES

Mr. Tony Waterhouse
South Florida Water Management District,
P.O. Box 24680
West Palm Beach, Florida 33416-4680

July 10, 2009

Re: Projects Reviewed by the Florida State Historic Preservation Office
No Historic Properties Likely Affected – **See Attached List**

Dear Mr. Waterhouse:

Our office received and reviewed the referenced projects in accordance with Chapters 267 and 373, *Florida Statutes*, Florida's Coastal Management Program, and implementing state regulations, for possible impact to historic properties listed, or eligible for listing, in the *National Register of Historic Places*, or otherwise of historical, architectural or archaeological value. The State Historic Preservation Officer is to advise and assist state and federal agencies when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or minimize adverse effects.

Our review of the Florida Master Site File indicates that no significant archaeological or historical resources are recorded within the project areas. Furthermore, because of the location and/or nature of the projects it is unlikely that any such site will be affected.

For any questions concerning our comments, please contact Stacey Caban, Historic Sites Specialist, by phone at (850) 245-6333, or by electronic mail at dscaban@dos.state.fl.us. We appreciate your continued interest in protecting Florida's historic properties.

Sincerely,

Laura A. Kammerer

Laura A. Kammerer
Historic Preservationist Supervisor
Compliance Review Section
Bureau of Historic Preservation

DHR NO.	App. No.	Project Name	County
2009-3536	090617-6	City of Key West Public Transportation Facility	Monroe
2009-3627	090610-9	Pine Tree Water Control District	Palm Beach

Southernmost Waste to Energy Facility

Interim Remedial Action Report

Key West, Florida

Prepared for:

The City of Key West

Prepared by:

CH2MHILL

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.

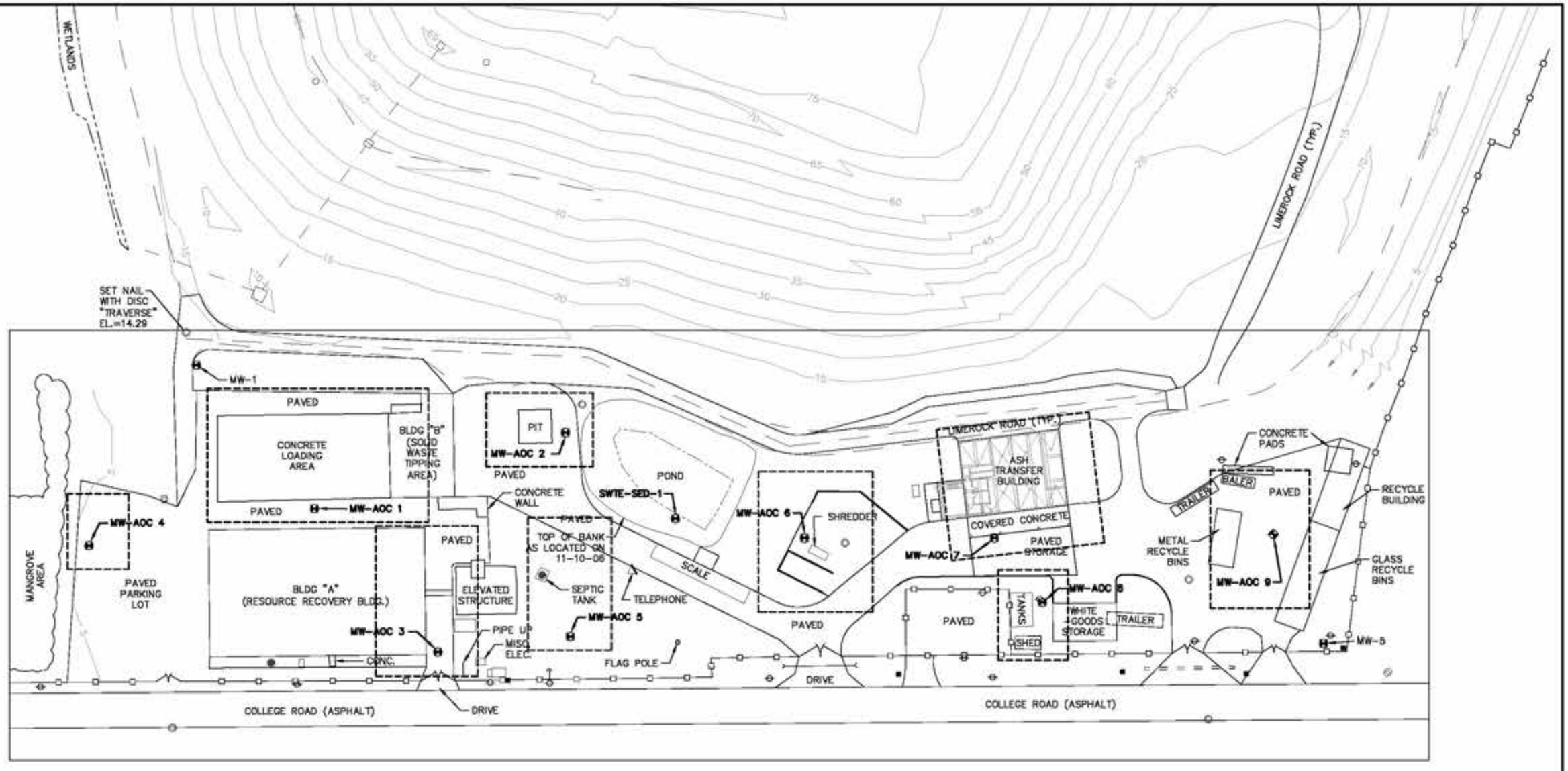
1.2 Site History and Background

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.



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:\KEYWESTFLCITYGF\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**.

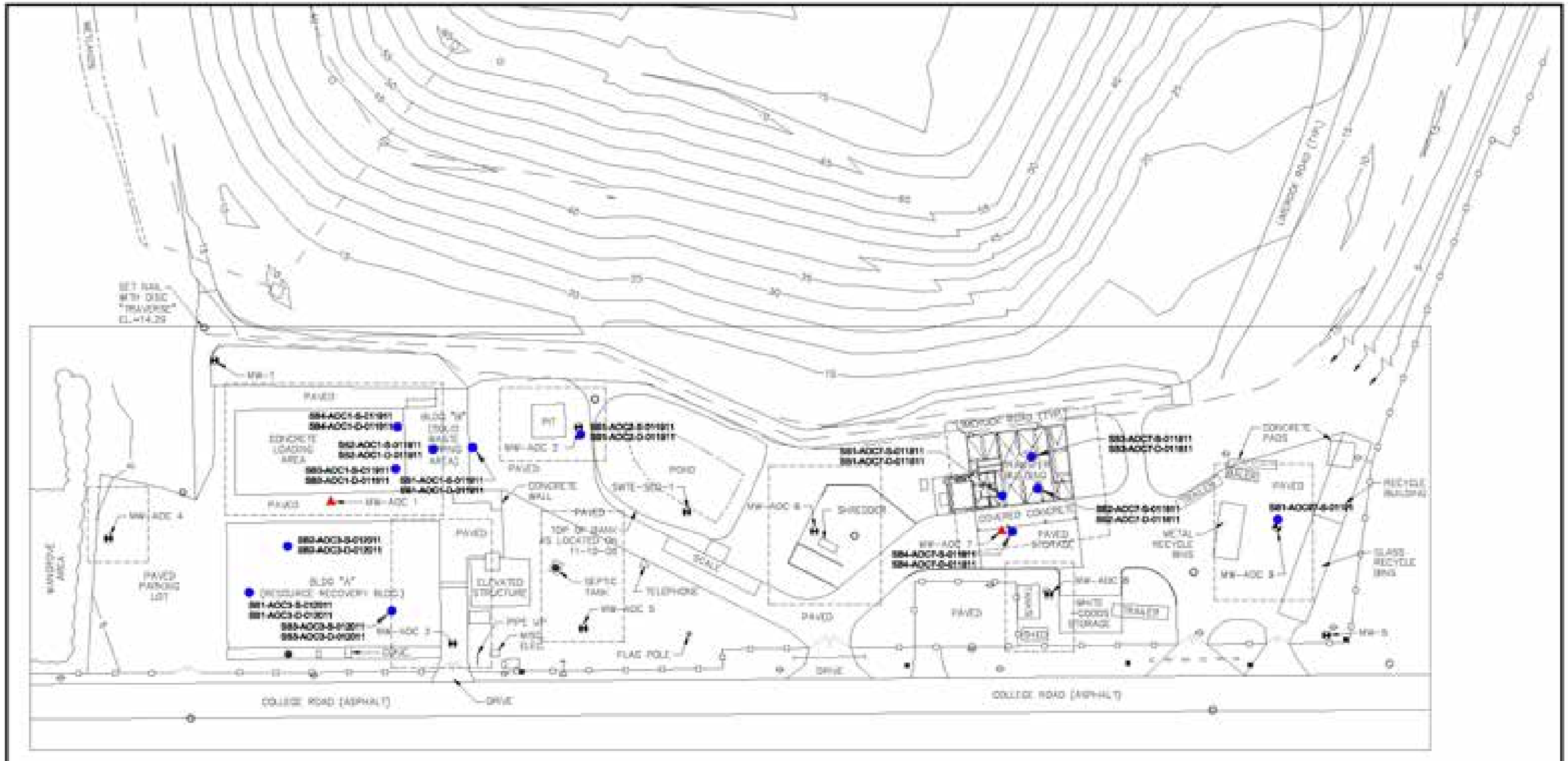
Groundwater laboratory analyses were conducted by PEL Laboratories in Tampa, Florida. Both groundwater samples and associated quality assurance (QA) and quality control (QC) samples were collected and submitted for analyses of volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and Resource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

0 40 80 120
SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1992) BY CH2M HILL AND AVIROM & ASSOCIATES (OCTOBER 2004).

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

CH2MHILL
9428 BAYMEADOWS RD SUITE 300
JACKSONVILLE, FLORIDA 32256

IRAP SAMPLING LOCATIONS
JANUARY 2011
SWTE, KEY WEST, FLORIDA

FIGURE
2-1

G:\207\413867.AA.01 CITY OF KEY WEST\413867_G-1.DWG

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

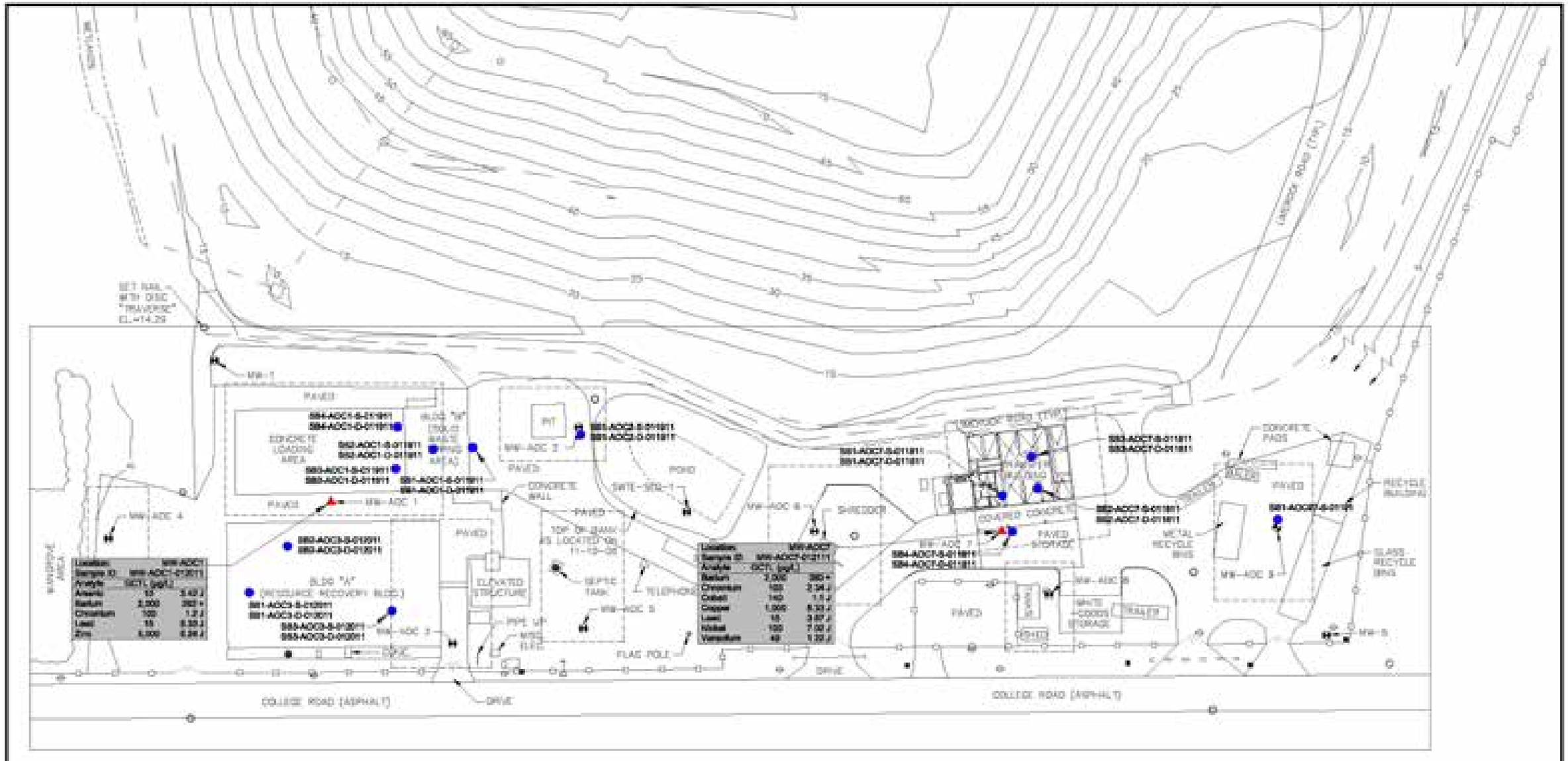
3.3 Soil Analytical Results

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.



Location	MW-AOC1
Sample ID	MW-AOC1-012011
Analyte	GCTL (µg/L)	
Arsenic	10	3.42 J
Barium	2,000	352 =
Chromium	100	1.2 J
Lead	15	8.33 J
Zinc	5,000	8.88 J

Location	MW-AOC7
Sample ID	MW-AOC7-012111
Analyte	GCTL (µg/L)	
Barium	2,000	380 =
Chromium	100	2.34 J
Cobalt	140	1.5 J
Copper	1,000	8.33 J
Lead	15	3.87 J
Nickel	100	7.02 J
Vanadium	49	1.33 J

Legend

- IRAP Soil Boring Locations
- Groundwater Sampling Location

Notes

"=" - Declected above reporting limit
"J" - Declected between method dalection limit and reporting limit
GCTL - Groundwater Cleanup Target Level
ug/L - micrograms per liter

0 40 80 120
SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1996) BY CH2M HILL AND AVIROM & ASSOCIATES (OCTOBER 2004).

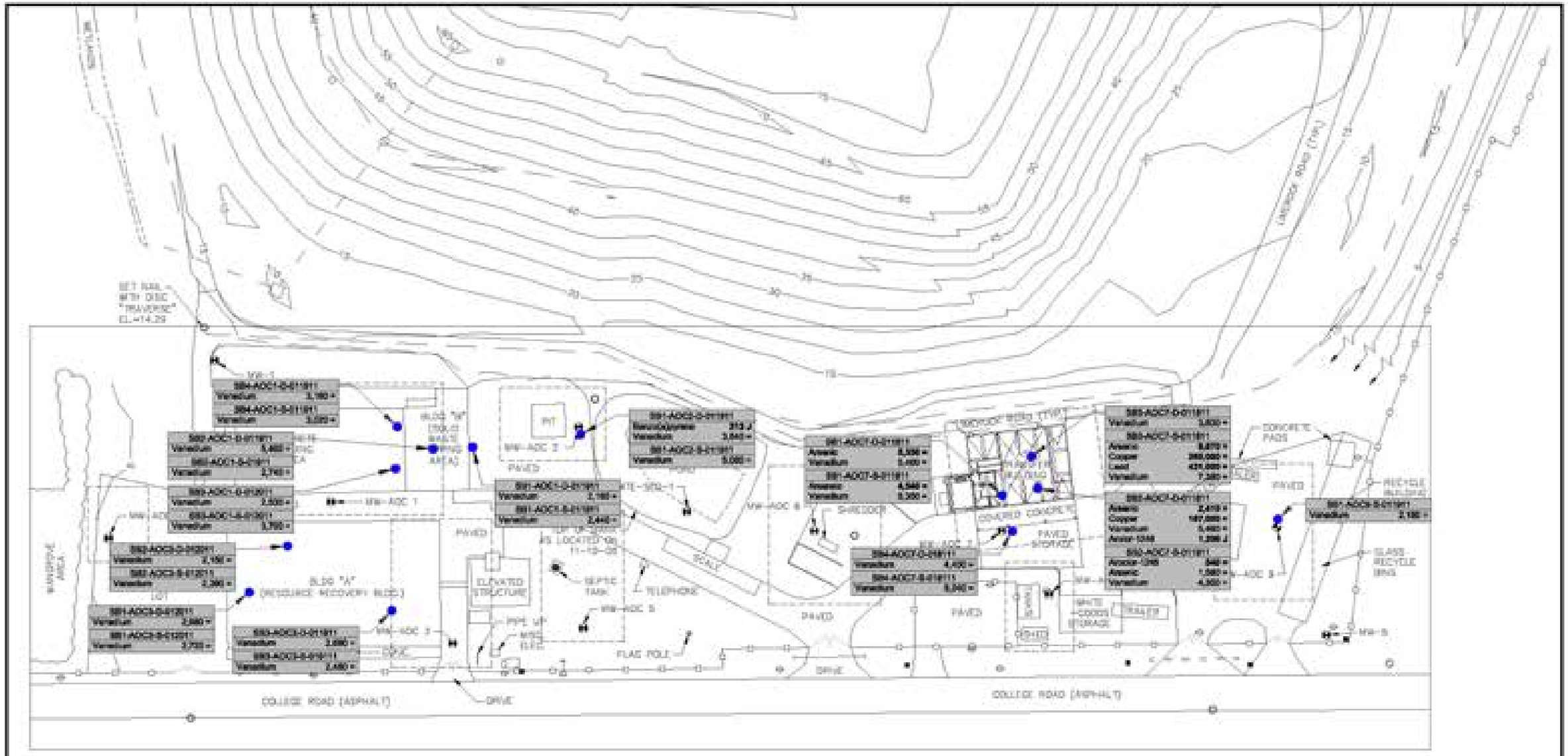
LEGEND
- WOOD UTILITY POLE
- CONCRETE UTILITY POLE
- 1.50 MONITORING WELL MEASURED ELEVATION
- AOC IDENTIFICATION
- BENCH MARK
- FENCE LINE
- EXIST. MAINTENANCE RD.
- POWER OR SERVICE POLE
- CONTOURS

CH2MHILL
9428 BAYMEADOWS RD SUITE 300
JACKSONVILLE, FLORIDA 32256

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

FIGURE
3-1

G:\207\413867.AA.01 CITY OF KEY WEST\413867_G-1.DWG



Legend:

- ● IRAP Soil Boring Locations

Notes:

All results in ug/kg
"U" - Declected 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	88,000,000
Lead	400,000	1,400,000
Vanadium	87,000	10,000,000

0 40 80 120
SCALE IN FEET

NOTE:
EXISTING TOPO DATA TAKEN FROM SURVEY COMPLETED (JUNE 1982) BY CH2M HILL AND AHROM & ASSOCIATES (OCTOBER 2006).

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

CH2MHILL
8428 BAYMEADOWS RD SUITE 300
JACKSONVILLE, FLORIDA 32256

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

FIGURE
3-2

D:\257\413867AA.01 CITY OF KEY WEST\413867_3-2.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	
	MW-AOC1	PAGE 1 OF 1

GROUNDWATER PURGING AND SAMPLING LOG

PROJECT: SWTE Key West
CLIENT/LOCATION: City of Key West
SITE NO:
SITE NAME: SWTE 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 + Straw
FIELD TEAM: N Moore, M. Schilling

PERTINENT WELL INFORMATION

SCREEN INTERVAL: NA 5 (FT BGS)
INSIDE DIAMETER OF WELL: 2 (IN)
TOTAL DEPTH OF WELL: 13.85 (FT BTOC)
INITIAL DEPTH TO WATER: 9.84 (FT BTOC)
WATER COLUMN: 4.01 (FT)
VOLUME CONVERSION: 0.163 (GAL/FT)
SINGLE WELL VOLUME: 1.47 (GAL) x 3 = 4.4 gal

Flush mount

TOTAL PURGE VOLUME: 1.5 (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.)
1450	5.20	0.03	0	7.06	29.75	1.88	1.2	4.52	Clear, slight sulfur odor
1455	5.24	0.03	0.25	7.18	29.82	1.87	1.3	1.26	" "
1500	5.27	0.03	0.5	7.25	29.91	1.81	1.3	1.74	" "
1505	5.28	0.03	0.75	7.27	30.15	1.77	0.7	1.20	" "
1510	5.28	0.03	1.0	7.25	30.19	1.76	0.7	1.28	" "
1515	5.28	0.03	1.25	7.25	30.22	1.74	0.7	1.16	" "
1520	5.29	0.03	1.5	7.23	30.26	1.74	0.5	1.29	" "

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	1-250ml poly	HNO_3
RSK	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) — Filter Size: N/A
Laboratory to Filter: Yes (No) — Filter Size: N/A

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

CH2MHILL

PROJECT NUMBER	WELL ID	
	MW-AOC 7	PAGE 1 OF 1

GROUNDWATER PURGING AND SAMPLING LOG

PROJECT: SWTE
CLIENT/LOCATION: City of Key West
SITE NO:
SITE NAME: SWTE
DATE: 1-21-11
PURGING METHOD AND EQUIPMENT USED: peristaltic pump / low flow
WEATHER: Sunny, 75°
SAMPLING METHOD AND EQUIPMENT USED:
FIELD TEAM: [illegible]

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: 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	0.05	0	7.69	27.29	7.88	13.4	4.43	clear, slight sulfur odor
0850	8.11	0.05	0.25	7.77	27.50	7.79	13.8	8.44	
0855	8.27	0.05	0.5	7.77	27.73	7.82	10.3	7.84	" "
0900	8.35	0.05	0.75	7.78	27.77	7.95	9.7	7.57	" "
0905	8.46	0.05	1.0	7.79	27.84	8.01	9.1	7.35	" "
0910	8.52	0.05	1.25	7.79	27.83	8.06	9.3	7.03	" "
0915	8.56	0.05	1.50	7.78	27.93	8.07	9.1	6.84	" "

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	1-250mL poly	HNO3
8011	3-40mL vials	None

Notes (i.e. QA/QC Samples, etc.): Collected MS/MSD: MW-AOC7-MS-012111 @ 0925
MW-AOC7-MSD-012111 @ 0925

- Few specs of debris in GW
- Vault was full of soil, trash, growth

Sample ID: MW-AOC7-012111
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: [signature]
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

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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 10
FDEP Concurrence Letter

Florida Department of Environmental Protection

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

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 (IRAR), 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.

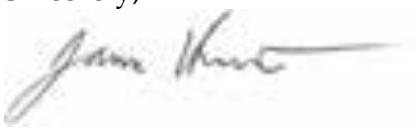
With the inclusion of the above recommended additional monitoring wells and parameters, the Department finds that the documents submitted are adequate to meet the site assessment requirements of Rule 62-780.600 Florida Administrative Code (F.A.C.). The Department has determined that the actions proposed in this IRAR 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 IRAR 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

APPENDIX 11
Environmental
Resource Permit

Form #0941
08/95

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE
STANDARD GENERAL PERMIT NO. 44-00076-S
DATE ISSUED:August 23, 2010

PERMITTEE: CITY OF KEY WEST
604 SIMONTON STREET
KEY WEST, FL 33040

PROJECT DESCRIPTION: Modification of Permit No. 44-00076-S for the construction and operation of a surface water management system to serve a 3.86 acre municipal development known as the City of Key West Public Transportation Facility.

PROJECT LOCATION: MONROE COUNTY, SEC 27 TWP 67S RGE 25E

PERMIT DURATION: See Special Condition No:1. See attached Rule 40E-4.321, Florida Administrative Code.

This is to notify you of the District's agency action concerning Notice of Intent for Permit Application No. 090617-6, dated June 17, 2009. This action is taken pursuant to Rule 40E-1.603 and Chapter 40E-40 , Florida Administrative Code (F.A.C.).

Based on the information provided, District rules have been adhered to and an Environmental Resource General Permit is in effect for this project subject to:

1. Not receiving a filed request for a Chapter 120, Florida Statutes, administrative hearing.
2. the attached 19 General Conditions (See Pages : 2 - 4 of 6).
3. the attached 14 Special Conditions (See Pages : 5 - 6 of 6) and
4. the attached 2 Exhibit(s)

Should you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights," we will assume that you concur with the District's action.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a "Notice of Rights" has been mailed to the Permittee (and the persons listed in the attached distribution list) no later than 5:00 p.m. on this 23rd day of August, 2010, in accordance with Section 120.60(3), Florida Statutes.

BY: _____
Anita R. Bain
Director - Environmental Resource Permitting Division
Palm Beach Service Center

Certified mail number 7009 2250 0003 1260 9165

GENERAL CONDITIONS

1. All activities authorized by this permit shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit and Part IV, Chapter 373, F.S

2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

3. Activities approved by this permit shall be conducted in a manner which does not cause violations of State water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violation of State water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. All practices shall be in accordance with the guidelines and specifications described in Chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Department of Environmental Regulation, 1988), incorporated by reference in Rule 40E-4.091, F.A.C. unless a project-specific erosion and sediment control plan is approved as part of the permit. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

4. The permittee shall notify the District of the anticipated construction start date within 30 days of the date that this permit is issued. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District an Environmental Resource Permit Construction Commencement Notice Form Number 0960 indicating the actual start date and the expected construction completion date.

5. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an annual status report form. Status report forms shall be submitted the following June of each year.

6. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a professional engineer or other individual authorized by law, utilizing the supplied Environmental Resource/Surface Water Management Permit Construction Completion/Certification Form Number 0881A, or Environmental Resource/Surface Water Management Permit Construction Completion Certification - For Projects Permitted prior to October 3, 1995 Form No. 0881B, incorporated by reference in Rule 40E-1.659, F.A.C. The statement of completion and certification shall be based on onsite observation of construction or review of as-built drawings for the purpose of determining if the work was completed in compliance with permitted plans and specifications. This submittal shall serve to notify the District that the system is ready for inspection. Additionally, if deviation from the approved drawings are discovered during the certification process, the certification must be accompanied by a copy of the approved permit drawings with deviations noted. Both the original and revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. All surveyed dimensions and elevations shall be certified by a registered surveyor.

7. The operation phase of this permit shall not become effective: until the permittee has complied with the requirements of condition (6) above, and submitted a request for conversion of Environmental Resource Permit from Construction Phase to Operation Phase, Form No. 0920; the District determines the system to be in compliance with the permitted plans and specifications; and the entity approved by the District in accordance with Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit

GENERAL CONDITIONS

Applications within the South Florida Water Management District, accepts responsibility for operation and maintenance of the system. The permit shall not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall initiate transfer of the permit to the approved responsible operating entity if different from the permittee. Until the permit is transferred pursuant to Section 40E-1.6107, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

8 Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of the phase or portion of the system to a local government or other responsible entity.

9 For those systems that will be operated or maintained by an entity that will require an easement or deed restriction in order to enable that entity to operate or maintain the system in conformance with this permit, such easement or deed restriction must be recorded in the public records and submitted to the District along with any other final operation and maintenance documents required by Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit applications within the South Florida Water Management District, prior to lot or units sales or prior to the completion of the system, whichever comes first. Other documents concerning the establishment and authority of the operating entity must be filed with the Secretary of State, county or municipal entities. Final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local government entity. Failure to submit the appropriate final documents will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system and any other permit conditions.

10. Should any other regulatory agency require changes to the permitted system, the permittee shall notify the District in writing of the changes prior to implementation so that a determination can be made whether a permit modification is required.

11. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40E-4 or Chapter 40E-40, F.A.C.

12. The permittee is hereby advised that Section 253.77, F.S. states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the State, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

13. The permittee must obtain a Water Use permit prior to construction dewatering, unless the work qualifies for a general permit pursuant to Subsection 40E-20.302(3), F.A.C., also known as the "No Notice" Rule.

14. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the permit.

15 Any delineation of the extent of a wetland or other surface water submitted as part of the permit

GENERAL CONDITIONS

application, including plans or other supporting documentation, shall not be considered binding, unless a specific condition of this permit or a formal determination under Section 373.421(2), F.S., provides otherwise.

15. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of a permitted system or the real property on which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rules 40E-1.6105 and 40E-1.6107, F.A.C.. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any violations prior to the sale, conveyance or other transfer of the system.

17 Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.

18 If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the appropriate District service center.

19 The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on August 23, 2015.

2 Operation of the surface water management system shall be the responsibility of the permittee.

3. Discharge Facilities:

1-2' W X 2' L drop inlet with crest at elev. 5.65' NGVD 29
1-2' dia. drop inlet with crest at elev. 3' NGVD 29.

Receiving body : Groundwater Table
Control elev : 2.5 feet NGVD 29 /2.5 FEET NGVD 29 DRY SEASON

4. The permittee shall be responsible for the correction of any erosion, shoaling or water quality problems that result from the construction or operation of the surface water management system.

5. Measures shall be taken during construction to insure that sedimentation and/or turbidity violations do not occur in the receiving water

6. The District reserves the right to require that additional water quality treatment methods be incorporated into the drainage system if such measures are shown to be necessary.

7. Facilities other than those stated herein shall not be constructed without an approved modification of this permit.

8. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.

9. The permittee shall provide routine maintenance of all of the components of the surface water management system in order to remove all trapped sediments/debris. All materials shall be properly disposed of as required by law. Failure to properly maintain the system may result in adverse flooding conditions.

10 If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

11. The permittee acknowledges that, pursuant to Rule 40E-4.101(2), F.A.C., a notice of Environmental Resource or Surface Water Management Permit may be recorded in the county public records. Pursuant to the specific language of the rule, this notice shall not be considered an encumbrance upon the property.

12. Minimum building floor elevation: 12.0 Feet NGVD

13. Silt fence shall be utilized during constructionand shall be installed and properly "trenched" etc, in accordance with Exhibit 2. All areas shall be stabilized and vegetated immediately after construction to prevent erosion into the wetlands and other surface waters.

14. The permittee shall install a chain link fence around the entire perimeter of the project site, which will

SPECIAL CONDITIONS

eliminate or minimize secondary adverse impacts to the mangrove wetlands located along the southwest side of the project site, as shown in Exhibit 2. The fence shall be maintained in perpetuity

40E-4.321 Duration of Permits.

(1) Unless revoked or otherwise modified pursuant to Rules 40E-4.331 and 40E-4.441, F.A.C., the duration of a surface water management permit issued under this chapter is as follows:

(a) Two years from the date of issuance for Conceptual Approval, unless within that period an application for a construction and operation permit is filed for any portion of the project. If an application for a construction and operation permit is filed, then the Conceptual Approval remains valid until final action is taken on the application. If the application is granted, then the Conceptual Approval is valid for an additional two years from the date of issuance of the construction and operation permit. Conceptual Approvals which have no applications for construction and operation filed for a period of two years will expire automatically.

(b) Five years from the date of issuance for a construction permit.

(c) Perpetual for an operation permit.

(2) The Governing Board shall issue permit extensions provided that a permittee files a written request with the District showing good cause. For the purpose of this rule, good cause shall mean a set of extenuating circumstances outside of the control of the permittee. Requests for extensions, which shall include documentation of the extenuating circumstances and how they have delayed the project, will not be accepted more than 180 days prior to the expiration date.

(3) For a Conceptual Approval filed concurrently with a development of regional impact (DRI) application for development approval (ADA) and a local government comprehensive amendment, the duration of the Conceptual Approval shall be two years from whichever one of the following occurs at the latest date:

(a) the effective date of the local government's comprehensive plan amendment,

(b) the effective date of the local government development order, or

(c) the date on which the district issues the Conceptual Approval, or

(d) the latest date of the resolution of any Chapter 120 or other legal appeals.

(4) Substantial modifications to Conceptual Approvals will extend the duration of the Conceptual Approval for two years from the date of issuance of the modification. For the purposes of this section, the term "substantial modification" shall mean a modification which is reasonably expected to lead to substantially different water resource or environmental impacts which require a detailed review.

(5) Modifications to construction permits issued pursuant to a formal permit application extend the duration of the permit for three years from the date of issuance of the modification. Construction permit modifications do not extend the duration of a Conceptual Approval.

(6) Permit modifications issued pursuant to subsection 40E-4.331(2)(b), F.A.C. (letter modifications) do not extend the duration of a permit.

Specific authority 373.044, 373.113 F.S. Law implemented 373.413, 373.415(1) F.S. History—New 9-3-81. Amended 1-31-82, 12-1-82, Formerly 16K-4.07(4), Amended 7-1-86, 4/20/94.

NOTICE OF RIGHTS

As required by Sections 120.569(1), and 120.60(3), Fla. Stat., following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a District decision which does or may determine their substantial interests shall file a petition for hearing with the District Clerk within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: 1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat., or 2) within 14 days of service of an Administrative Order pursuant to Subsection 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of either written notice through mail, or electronic mail, or posting that the District has or intends to take final agency action, or publication of notice that the District has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

Filing Instructions

The Petition must be filed with the Office of the District Clerk of the SFWMD. Filings with the District Clerk may be made by mail, hand-delivery or facsimile. **Filings by e-mail will not be accepted.** Any person wishing to receive a clerked copy with the date and time stamped must provide an additional copy. A petition for administrative hearing is deemed filed upon receipt during normal business hours by the District Clerk at SFWMD headquarters in West Palm Beach, Florida. Any document received by the office of the SFWMD Clerk after 5:00 p.m. shall be filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the SFWMD Clerk, P.O. Box 24680, West Palm Beach, Florida 33416.
- Filings by hand-delivery must be delivered to the Office of the SFWMD Clerk. **Delivery of a petition to the SFWMD's security desk does not constitute filing. To ensure proper filing, it will be necessary to request the SFWMD's security officer to contact the Clerk's office.** An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by facsimile must be transmitted to the SFWMD Clerk's Office at (561) 682-6010. Pursuant to Subsections 28-106.104(7), (8) and (9), Fla. Admin. Code, a party who files a document by facsimile represents that the original physically signed document will be retained by that party for the duration of that proceeding and of any subsequent appeal or subsequent proceeding in that cause. Any party who elects to file any document by facsimile shall be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed with the clerk as a result. The filing date for a document filed by facsimile shall be the date the SFWMD Clerk receives the complete document.

Initiation of an Administrative Hearing

Pursuant to Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 and 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other SFWMD identification number, if known.
2. The name, address and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

If the District takes action with substantially different impacts on water resources from the notice of intended agency decision, the persons who may be substantially affected shall have an additional point of entry pursuant to Rule 28-106.111, Fla. Admin. Code, unless otherwise provided by law.

Mediation

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401-.405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Sections 120.60(3) and 120.68, Fla. Stat., a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal pursuant to Florida Rule of Appellate Procedure 9.110 in the Fourth District Court of Appeal or in the appellate district where a party resides and filing a second copy of the notice with the SFWMD Clerk within 30 days of rendering of the final SFWMD action.

Last Date For Agency Action: October 4, 2010

GENERAL ENVIRONMENTAL RESOURCE PERMIT STAFF REPORT

Project Name: City Of Key West Public Transportation Facility

Permit No.: 44-00076-S

Application No.: 090617-6

Application Type: Environmental Resource (General Permit Modification)

Location: Monroe County, S27/T67S/R25E

Permittee : City Of Key West

Operating Entity : City Of Key West

Project Area: 3.86 acres

Project Land Use: Government

Drainage Basin: GULF OF MEXICO

Receiving Body: Groundwater Table **Class:** N/A

Special Drainage District: NA

Conservation Easement To District : No

Sovereign Submerged Lands: No

PROJECT PURPOSE:

This application is a request for modification of Permit No. 44-00076-S for the construction and operation of a surface water management system to serve a 3.86 acre municipal development known as City of Key West Public Transportation Facility

PROJECT EVALUATION:

PROJECT SITE DESCRIPTION:

The site is located on the north side of East Junior College Road and on the south side of the Stock Island landfill, on Stock Island in the City of Key West, Monroe County, as shown on Exhibit 1.

The 3.86 acre project site currently contains a City of Key West resource recovery plant and ash transfer station, for which the surface water management system was previously permitted by the District under Permit No. 44-00076-S, Application No. 921027-8.

The 3.86 acre project site is part of a larger overall parcel which is owned by the City of Key West, which contains a portion of the closed out Stock Island landfill, City of Key West Utilities, the Key West Golf Club, salt marsh and mangrove wetlands, and submerged lands.

No wetlands or other surface waters are located within the 3.86 acre project site, and no adjacent wetlands or other surface waters located outside of the project site will be adversely affected by the proposed project.

PROPOSED PROJECT:

The project includes constructing a surface water management system that will serve a new public transportation facility for the City of Key West Department of Transportation, as shown on Exhibit 2. The facility will include a 2-story administrative office building, parking, service bays for buses, and a bus washing station.

The proposed surface water management system will consist of site grading and stormwater inlets that will direct all runoff to a series of interconnected dry retention areas for water quality treatment. After treatment, the runoff will be directed to a drainage well for final disposal.

No wetlands or other surface waters located adjacent to the project site on the southwest side of the site will be adversely affected by the proposed project. Specifically, the permittee will install and maintain a chain link fence around the entire perimeter of the project site, which will eliminate or minimize secondary adverse impacts to the mangrove wetlands located along the southwest side of the project site, as shown in Exhibit 2 and in accordance with the special conditions of this permit.

LAND USE:

Construction:

Project:

	This Phase	**Total Project**	
Dry Retention Areas	45	45	acres
Impervious	2.32	2.32	acres
Pervious	1.09	1.09	acres
Total:	**3.86**	**3.86**	

WATER QUANTITY :

Discharge Rate :

The surface water management system has been designed to retain the volume of runoff from the 25 year/3 day storm event onsite. Final disposal of the runoff is to a drainage well.

Control Elevation :

Basin	Area (Acres)	Ctrl Elev (ft, NGVD 29)	WSWT Ctrl Elev (ft, NGVD 29)	Method Of Determination
KW Transport Fac.	3.86	2.5/2.5	2.50	Previously Permitted

Receiving Body :

Basin	Str.#	Receiving Body
Kw Transport Fac.	Well Box (G	Groundwater Table

Major Structures: Note: The units for all the elevation values of structures are (ft. NGVD 29)

Inlets:

Basin	Str#	Count	Type	Width	Length	Dia.	Crest Elev.
KW Transport Fac.	Well Box (GW-1)	1	Drainage Well			2'	3
KW Transport Fac.	Well Box (GW-1)	1	Drop Inlet	2'	2'		5.65

WATER QUALITY :

No adverse water quality impacts are anticipated as a result of the proposed project. The surface water management system has been designed to treat a volume of runoff equal to 2.5 inches times the percent impervious area. The treatment is provided within interconnected dry retention areas

To ensure that proposed construction activities do not degrade adjacent wetlands and surface waters, the permittee will install and maintain temporary silt fences around the limits of construction in accordance with Exhibit 2 and as stipulated in the special conditions of this permit. The temporary erosion control barriers will be installed prior to and will be removed upon completion of construction activities.

Basin		Treatment Method		Vol Req.d (ac-ft)	Vol Prov'd
KW Transport Fac.	Treatment	Dry Retention	.45 acres	.24	.24

Wildlife Issues:

The 3.86 acre project site does not contain preferred habitat for wetland-dependent endangered or threatened wildlife species or species of special concern. No wetland-dependent endangered/threatened species or species of special concern were observed on-site and submitted information indicates that potential use of the site by such species is minimal.

This permit does not relieve the permittee from complying with all applicable rules and any other agencies' requirements if, in the future, endangered/threatened species or species of special concern are

discovered on the project site.

CERTIFICATION AND MAINTENANCE OF THE WATER MANAGEMENT SYSTEM:

It is suggested that the permittee retain the services of a Professional Engineer registered in the State of Florida for periodic observation of construction of the surface water management (SWM) system. This will facilitate the completion of construction completion certification Form #0881 which is required pursuant to Section 10 of the Basis of Review for Environmental Resource Permit Applications within the South Florida Water Management District, and Rule 40E-4.361(2), Florida Administrative Code (F.A.C.).

Pursuant to Chapter 40E-4 F.A.C., this permit may not be converted from the construction phase to the operation phase until certification of the SWM system is submitted to and accepted by this District. Rule 40E-4.321(7) F.A.C. states that failure to complete construction of the SWM system and obtain operation phase approval from the District within the permit duration shall require a new permit authorization unless a permit extension is granted.

For SWM systems permitted with an operating entity who is different from the permittee, it should be noted that until the permit is transferred to the operating entity pursuant to Rule 40E-1.6107, F.A.C., the permittee is liable for compliance with the terms of this permit.

The permittee is advised that the efficiency of a SWM system will normally decrease over time unless the system is periodically maintained. A significant reduction in flow capacity can usually be attributed to partial blockages of the conveyance system. Once flow capacity is compromised, flooding of the project may result. Maintenance of the SWM system is required to protect the public health, safety and the natural resources of the state. Therefore, the permittee must have periodic inspections of the SWM system performed to ensure performance for flood protection and water quality purposes. If deficiencies are found, it is the responsibility of the permittee to correct these deficiencies in a timely manner.

SOVEREIGN/SUBMERGED LANDS:

The proposed work is not located within and is not anticipated to adversely affect sovereign submerged lands.

RELATED CONCERNS:

Water Use Permit Status:

The permittee has indicated that dewatering is not required for construction of this project. The permittee has also indicated that landscape irrigation activities are not proposed as part of the project.

This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation, unless the work qualifies for a No-Notice Short-Term Dewatering permit pursuant to Chapter 40E-20.302(3) or is exempt pursuant to Section 40E-2.051, FAC.

CERP:

The proposed project is not located within or adjacent to a Comprehensive Everglades Restoration Project component.

Potable Water Supplier:

Florida Keys Aqueduct Authority

Waste Water System/Supplier:

Key West Resort Utilities

Right-Of-Way Permit Status:

A District Right-of-Way Permit is not required for this project.

DRI Status:

This project is not a DRI

Historical/Archeological Resources:

The District has received correspondence from the Florida Department of State, Division of Historical Resources indicating that the agency has no objections to the issuance of this permit.

This permit does not release the permittee from compliance with any other agencies' requirements in the event that historical and/or archaeological resources are found on the site.

DCA/CZM Consistency Review:

The issuance of this permit constitutes a finding of consistency with the Florida Coastal Management Program.

Third Party Interest:

No third party has contacted the District with concerns about this application.

Enforcement:

There has been no enforcement activity associated with this application.

STAFF REVIEW:

DIVISION APPROVAL:

NATURAL RESOURCE MANAGEMENT:

Barbara J. Conmy

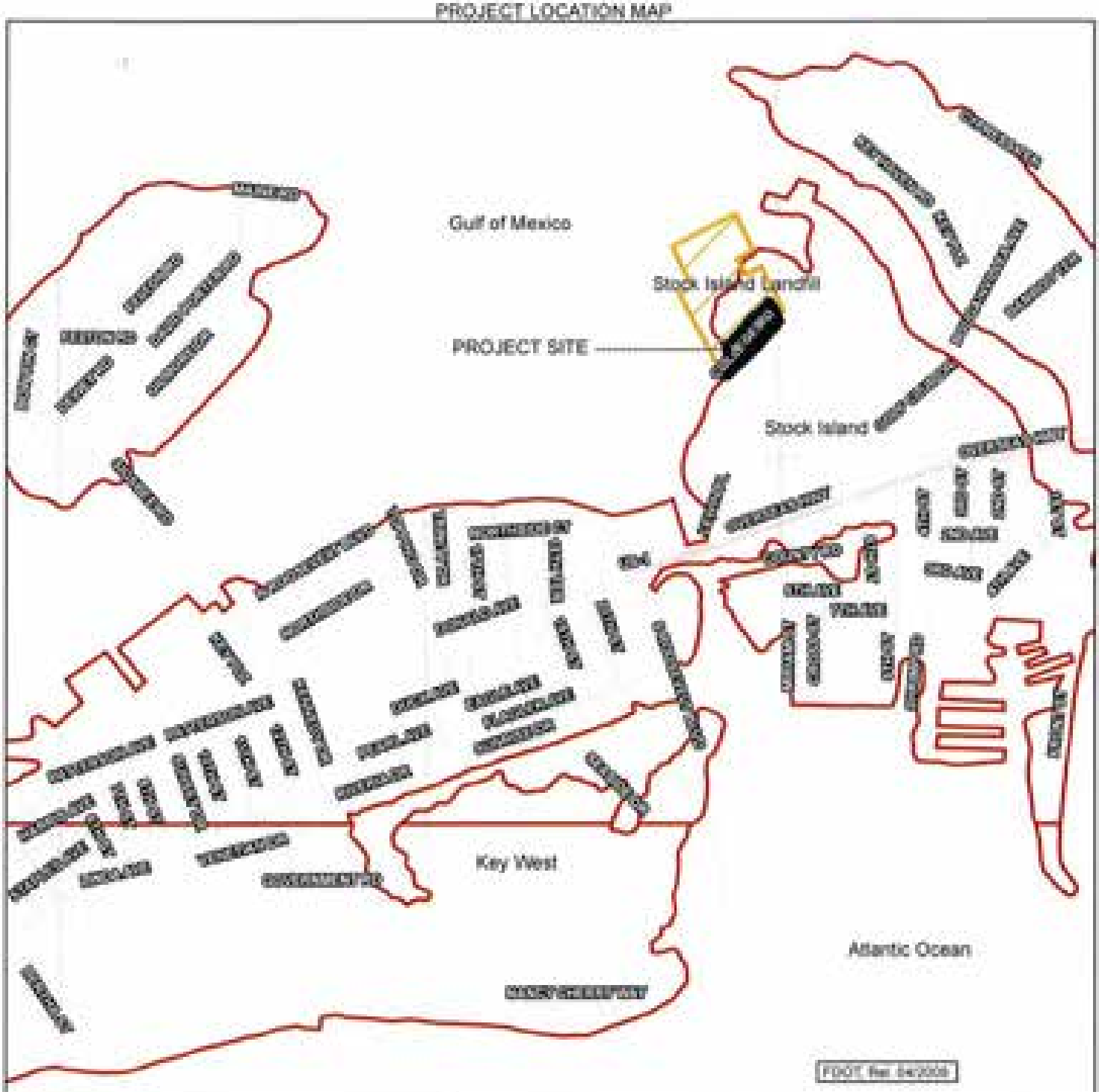
DATE: 8/20/10

SURFACE WATER MANAGEMENT:

Carlos A. de Rojas, P.E.

DATE: 8/19/10

PROJECT LOCATION MAP



MONROE COUNTY, FLORIDA

N

Legend

Application

Map Date: 8/9/2010

Application Number: 090617-6

Permit Number: 44-00076-S

Project Name: CITY OF KEY WEST PUBLIC TRANSPORTATION FACILITY

Exhibit : 1, Page 1 of 1

Application No. 090617-6 EXHIBIT 2 Page 1 of 7

CITY OF KEY WEST
PUBLIC TRANSPORTATION FACILITY

5701 COLLEGE ROAD, KEY WEST, FL 33040

CIVIL - VOLUME I

SFWMD PERMIT SET

VICINITY MAP

N

SEAL OF THE CITY OF KEY WEST, FLORIDA

INDEX TO DRAWINGS

DRAWING	DESCRIPTION

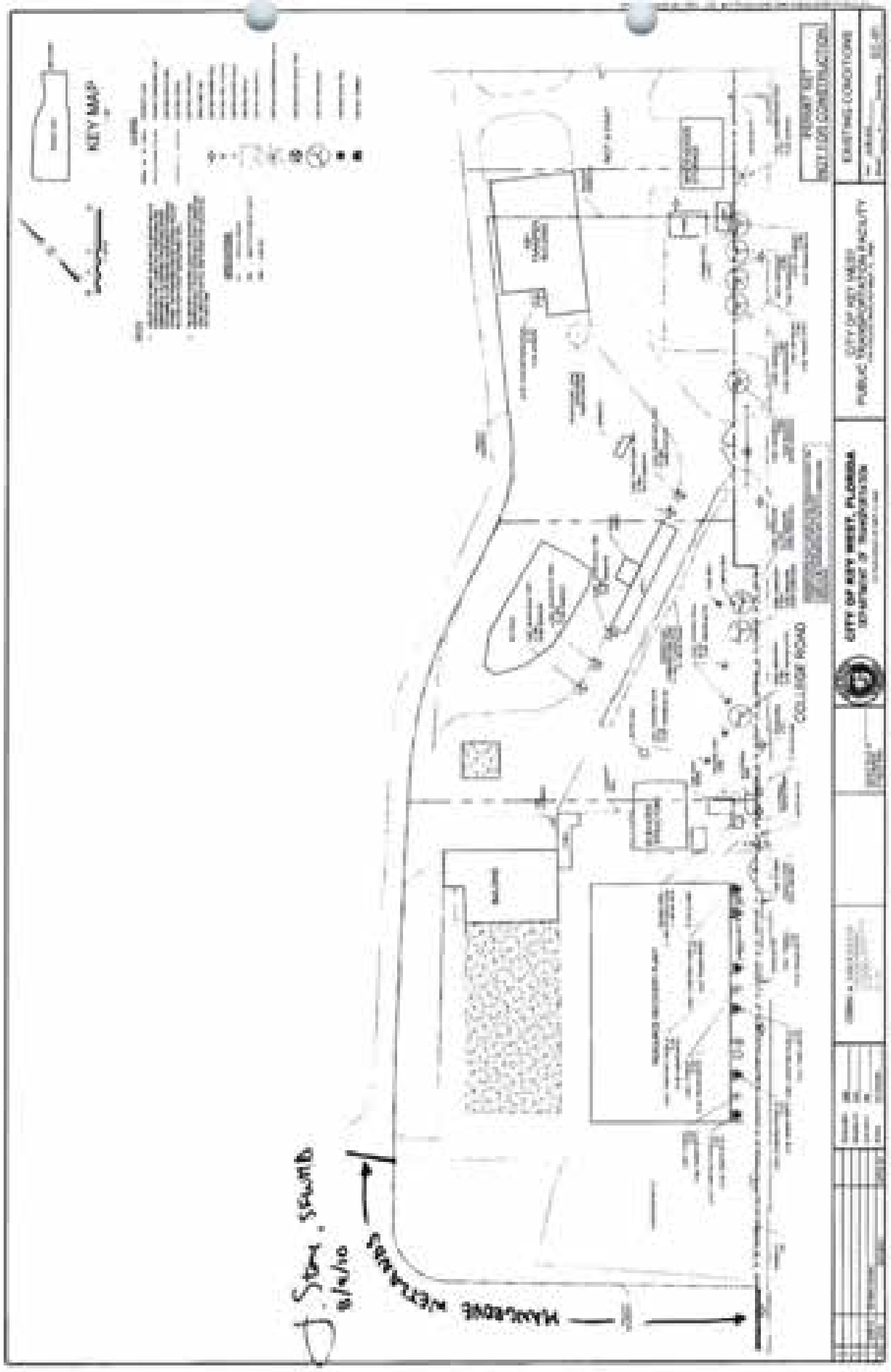
PREPARED FOR THE
City of Key West
Key West, Florida

PERMIT SET
NOT FOR CONSTRUCTION

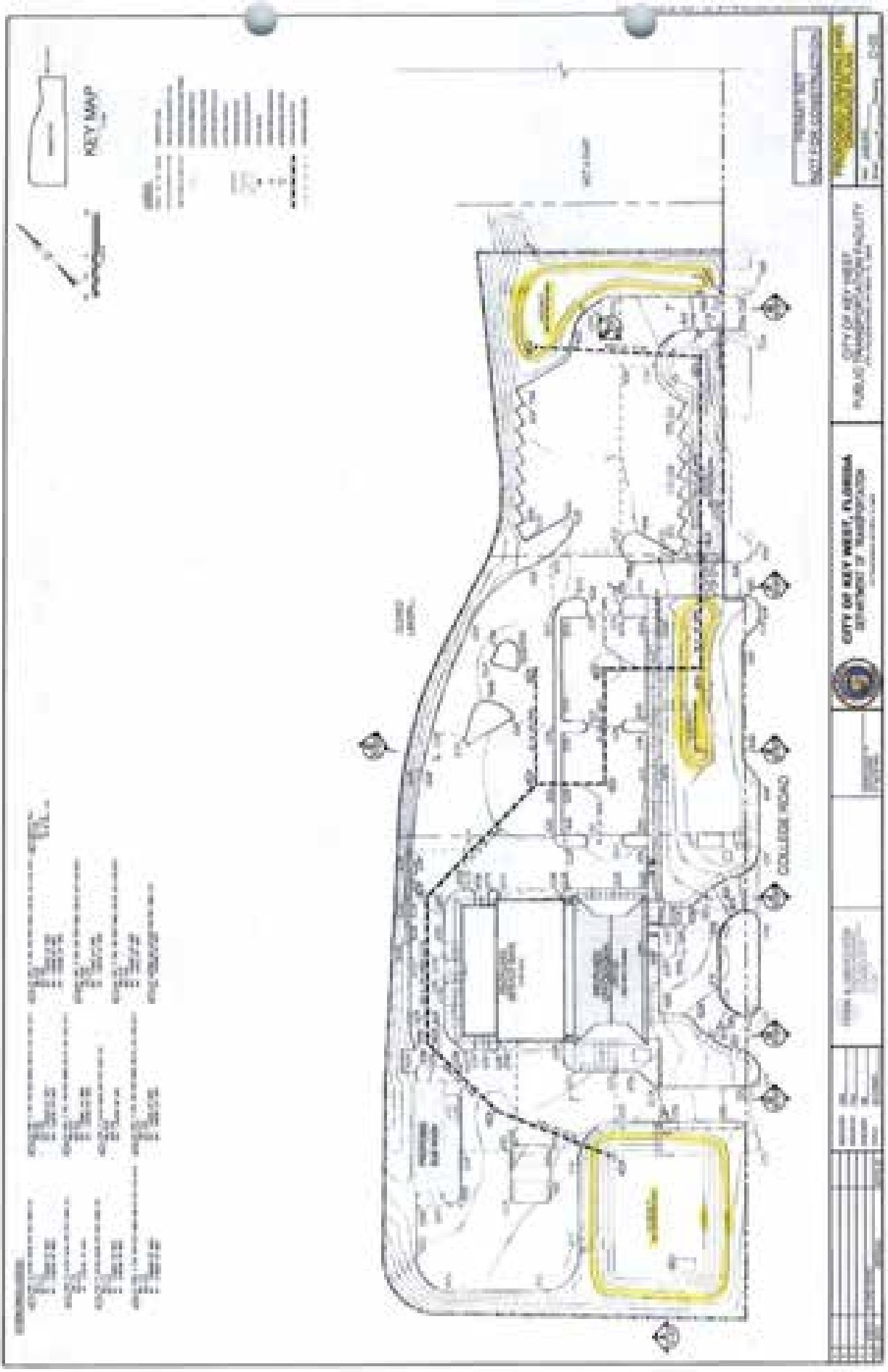
CIVIL ENGINEER

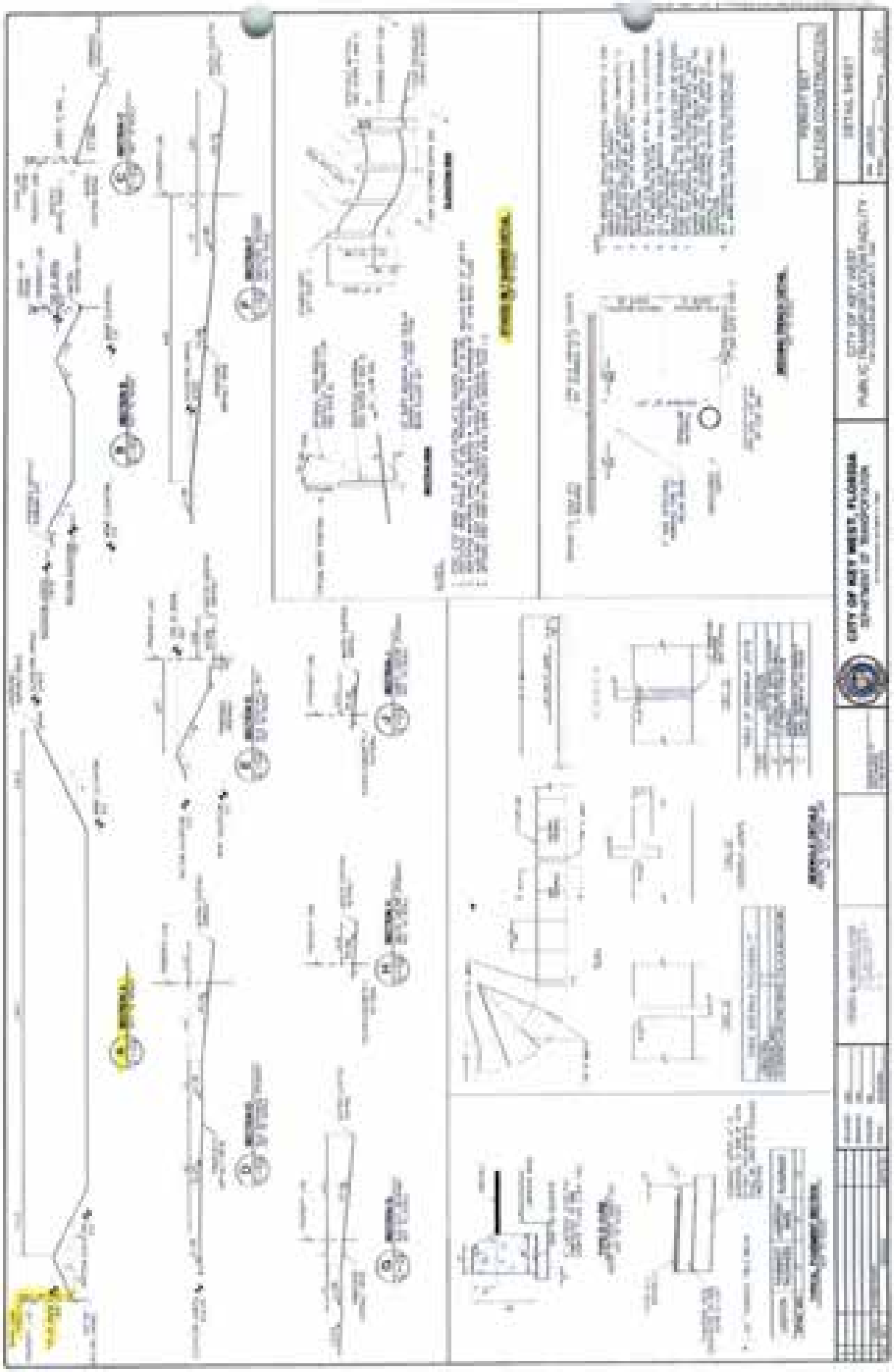
& ASSOCIATES

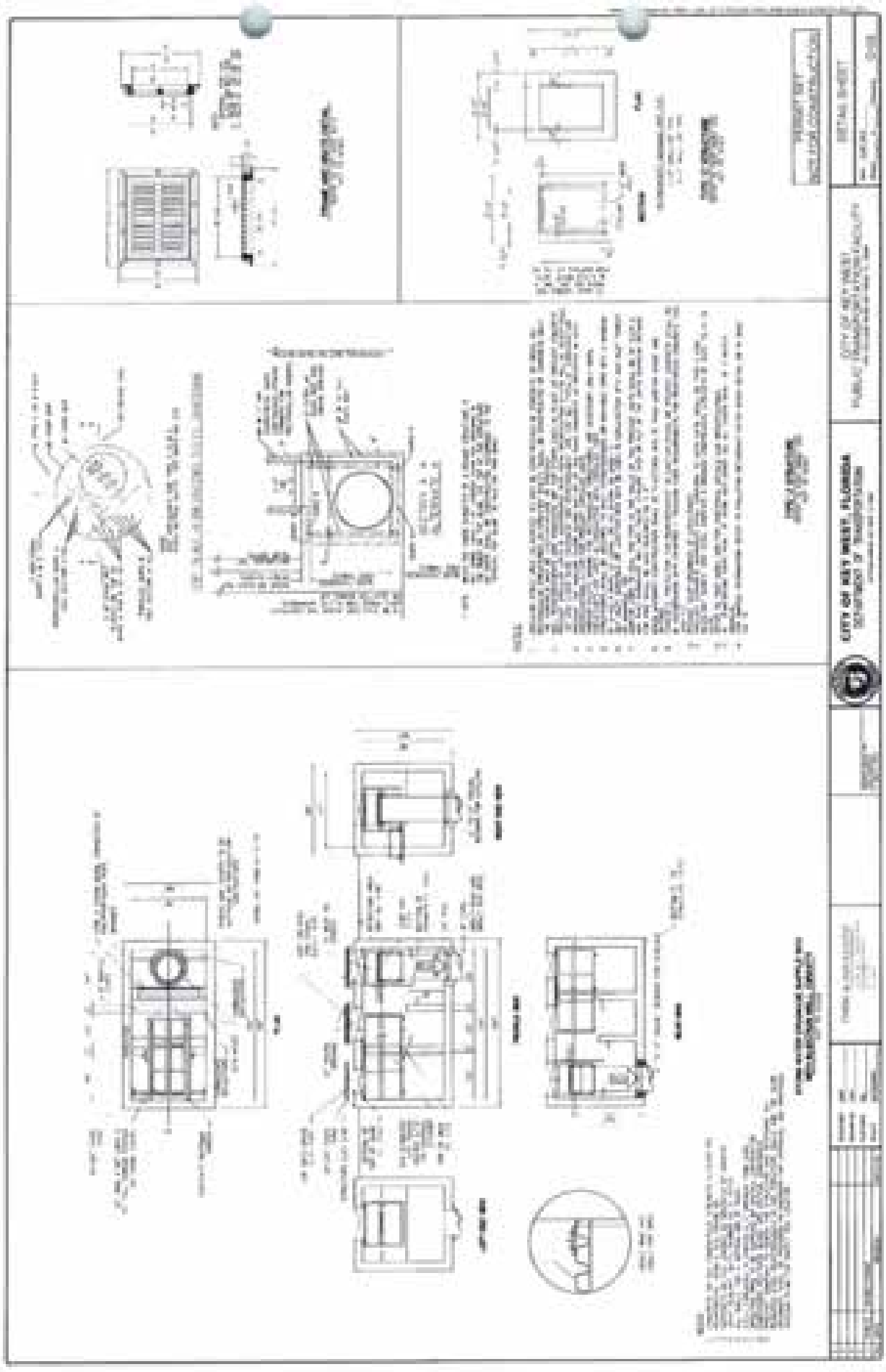
JUNE 2010

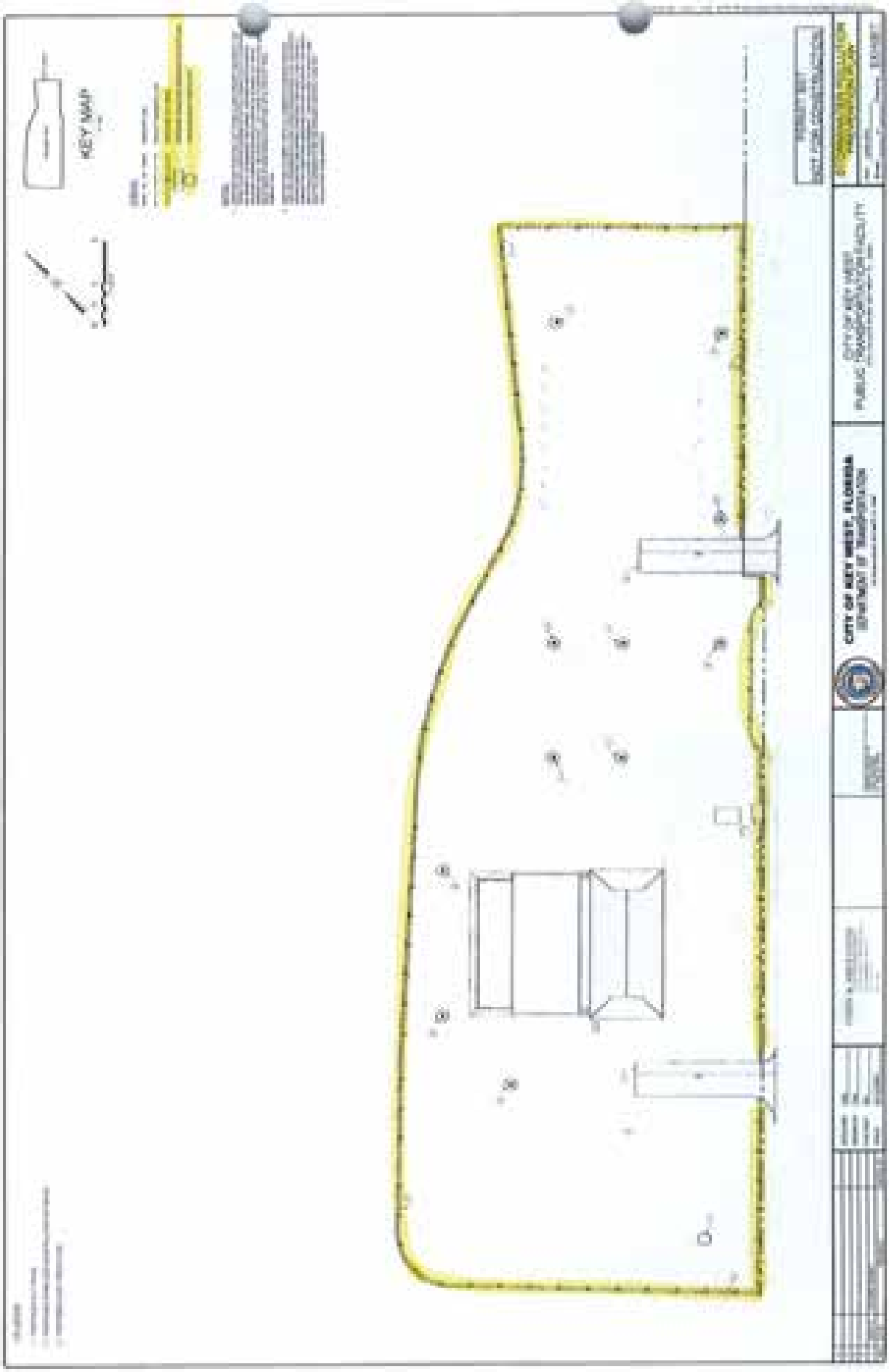

KEY MAP
EXISTING CONDITIONS
CITY OF KEY WEST, FLORIDA


KEY MAP
COLLEGE ROAD


KEY MAP
COLLEGE ROAD
CITY OF KEY WEST, FLORIDA






KEY MAP
CITY OF KEY WEST, FLORIDA
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS ADVISORY BOARD

STAFF REPORT DISTRIBUTION LIST

CITY OF KEY WEST PUBLIC TRANSPORTATION FACILITY

Application No: 090617-6

Permit No: 44-00076-S

INTERNAL DISTRIBUTION

- X Kevin G. Dickson, P.E.
- X Trisha Stone
- X Barbara J. Conmy
- X Carlos A. de Rojas, P.E.
- X ERC Environmental
- X Florida Keys Service Center
- X H. Azizi
- X Permit File
- X R. Karafel

EXTERNAL DISTRIBUTION

- X Permittee - City Of Key West
- X Agent - Chen And Associates
- X Engr Consultant - Chen And Associates

GOVERNMENT AGENCIES

- X Bruce Franck, Environmental Manager - FDEP - South District Branch Office
- X City Engineer, City of Key West
- X Div of Recreation and Park - District 5 - FDEP
- X Florida Department of Community Affairs - Jerry Buckley
- X Monroe County Engineer
- X Monroe County Planning Dept - Steve Ferris, Dev. Review Coord.

STAFF REPORT DISTRIBUTION LIST

ADDRESSES

Chen And Associates
420 Lincoln Rd
Suite 444
Miami Beach FL 33139

Chen And Associates
420 Lincoln Rd #700
Miami Beach FL 33139

Bruce Franck, Environmental Manager - FDEP - South District Branch Office
2796 Overseas Highway
Suite 221
Marathon FL 33050

Div of Recreation and Park - District 5 - FDEP
District 5 Administration
13798 S E. Federal Hway
Hobe Sound FL 33455

Monroe County Engineer
1100 Simonton Street
Suite 2-216
Key West FL 33040

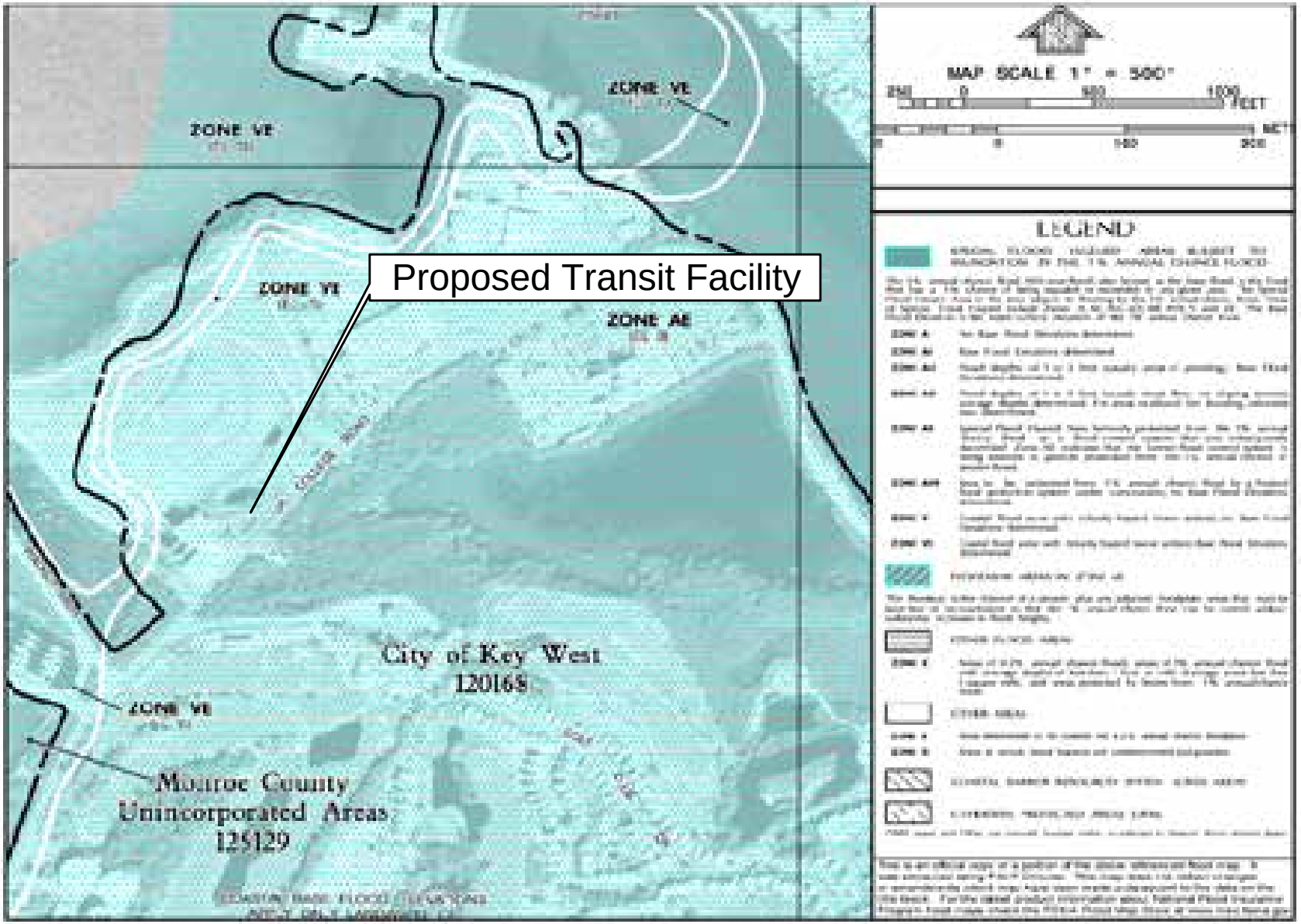
City Of Key West
604 Simonton Street
Key West FL 33040

City Engineer, City of Key West
Po Box 1409
Key West
Key West FL 33041

Florida Department of Community Affairs -Jerry Buckley
2796 Overseas Highway
Suite 212
Marathon FL 33050

Monroe County Planning Dept - Steve Ferris, Dev. Review Coord.
1100 Simonton Street
Wing In, Stock Island
Key West FL 33040

APPENDIX 12
100-Year Floodplain Map



SOURCE: FEMA

FIRM:
Flood Insurance Rate Map,
Monroe County,
Florida And Incorporated Areas

MAP NUMBER: 12087C1528K

MAP REVISED:
FEB 18,2005

Orsoy, Tunch/TPA

From: Winston_Hobgood@fws.gov
Sent: Friday, July 23, 2010 5:16 PM
To: Michael Buick
Cc: Oscar R. Bello; 107.001 Project Emails
Subject: City of Key West Public Transportation Facility

July 23, 2010

E-Mailed to: "Michael Buick" <mbuick@chenandassociates.com>

Service Federal Activity No.: 41420-2010-I-0319
Date Received: July 23, 2010
Project: City of Key West Public Transportation Facility
County: Monroe

Dear Mr. Buick,

The Fish and Wildlife Service has received your request for species information for the subject project, a proposed Public Transportation Facility that will be located at 5701 College Road on Stock Island with latitude 24.579438 and longitude -81.747259. The Service has reviewed maps, plans, and other information submitted for the applications referenced in the subject line above. This email is submitted in accordance with section 7 of the Endangered Species Act of 1973, as amended (87 Stat. 884; 16 U.S.G. 1531 *et seq.)* and the provisions of the Fish and Wildlife Coordination Act of 1958, as amended (48 Stat. 401; 16 U.S.C. 661 *et seq.).*

The project proposed is a new City of Key West Department of Transportation Public Transportation Facility as a redevelopment of an existing site, which was previously used for solid waste transfer station operations and City Fleet maintenance personnel/activities. It is a two story (±7,388 SF) administrative/office area, a one story (±9,289 SF) bus maintenance/service area, a (±2,087 SF) bus wash facility, a fuel island and associated site development. The project is proposed on the existing developed footprint and does not propose any impacts to existing adjacent areas.

The Service has also reviewed our Geographic Information System database for recorded locations of federally listed threatened and endangered species on or adjacent to the proposed properties. The project site is scarified, developed, and unsuitable as habitat for federally listed species. In addition, no federally species are known for this site.

This letter fulfills the requirements of section 7 of the Act and no further action is required. If modifications are made to the project, if additional information involving potential effects to listed species becomes available, or if a new species is listed, reinitiation of consultation may be necessary.

Best regards,

Winston Hobgood
US Fish and Wildlife Service
South Florida Ecological Services
1339 20th Street
Vero Beach, Florida 32960

Extinction is forever...

772-562-3909, extension 306
http://www.fws.gov/verobeach/

APPENDIX 14

Communication Revision - September 8, 2011 / FDOT / FDEP & KEY WEST CITY

From: Masella, Charles [mailto:Charles.Masella@dep.state.fl.us]
Sent: Wednesday, September 07, 2011 8:20 AM
To: 'Jay Gewin'; 'Myra Wittenberg'
cc: andres.ramirez@dot.gov; lillian.costa@dot.state.fl.us; Emery, Charles; Krumbholz, Bill; McLaurin, Albert; Sautter, Mark
Subject: WACS 79636Stock Island Landfill

September 7, 2011

Jay Gewin
Utilities Manager
City of Key West

Re: Site Assessment
Former Southernmost Waste–to-Energy facility
College Road
Key West, Monroe County, Florida
WACS 79636

Dear Mr. Gewin,

The 2007 Site Assessment that you referenced was not complete as submitted pursuant to Chapter 62-780 F.A.C. requirements. Pursuant to Chapter 62-780 F.A.C., the City of Key West will be required to complete the site assessment to the satisfaction of the Department.

The Department is attempting to work with the City of Key West to allow the construction of the new facility on the property. The South District, in working with your municipality, has allowed the demolition of the former facility, and reconstruction to proceed, prior to completion of the site assessment, by expressing support for a nine (9) to eighteen (18) month extension for report generation, completion, and submittal.

The groundwater sampling scheduled for December 2011, to include monitoring wells MW-1, MW-AOC-7, and MW-5 and sampled for Thallium and Arochlor-1248 (Polychlorinated Biphenyls-PCBs) will be considered a continuance of the assessment process, allowing justification by the Department to modify the submittal date of the report.

As to Ms. Wittenberg's September 6, 2011 email inquiry. Ms. Wittenberg is correct that my email of the same date does wrap-up our conversation concerning monitoring well sampling, until demolition has been completed, and new construction has progressed to a point where new well installation will not hinder the completion of the project.

Hopefully, this email will assure the City of Key West that the Department is working with the City to ensure that environmental concerns are addressed to the satisfaction of all involved.

Charles Masella
FDEP-SD
Charles.masella@dep.state.fl.us

From: Jay Gewin [mailto:jgewin@keywestcity.com]
Sent: Tuesday, September 06, 2011 3:48 PM
To: Masella, Charles
Subject: Re: WACS 79636Stock Island Landfill

Chuck,

We understand and agree with everything in your e-mail below. However, we are unclear as to FDEP's expectations for a site assessment submittal.

Our understanding from the letter of April 14th and discussion today was that continuation of our existing testing program (with the addition of Thallium and Arochlor 1248) along with the installation of the new well on the ash transfer site would be sufficient. This includes testing the AOC-7 monitoring site beginning December, 2011 until the new well is completed.

Is there an additional site assessment report required? My understanding is that we had already submitted one back in 2007 when we closed the facility.

Jay Gewin
Utilities Manager
City of Key West
305-809-3902

On Tue, Sep 6, 2011 at 3:15 PM, Masella, Charles <Charles.Masella@dep.state.fl.us> wrote:

September 6, 2011

Myra Wittenberg

City of Key West

mwittenb@keywestcity.com

Re: FDEP Requirements Associated to Site Assessment Plan Approval
Former Southernmost Waste-to-Energy Facility
College Road
Key West, Monroe County, Florida
WACS 79636

Dear Ms. Wittenberg,

The Department, as a condition for the responsible party performing the assessment pursuant to Chapter 62-780 Florida Administrative Code (F.A.C.), has conditionally agreed to the following:

Monitoring wells MW-1, MW-AOC-7, and MW-5 will be sampled semi-annually (December and June) as an amendment to the approved landfill sampling regime. In addition, we request that monitoring wells MW-1, MW-AOC-7, and MW-5 be sampled for Thallium, and Arochlor-1248 (Polychlorinated Biphenyl). The next sampling event is scheduled for December 2011. In addition to normal submittal, please forward an additional copy of the results to me at Charles.masella@dep.state.fl.us for technical review.

As the additional sampling and reporting is a requirement of Chapter 62-780 F.A.C., we will be able to consider an extension (a time modification) to the due date for the Site Assessment submittal. The Department would consider issuing an extension pursuant to Chapter 62-780.790(4) F.A.C. following the

receipt of the December 2011 analytical results. Further extensions can also be considered, allowing full completion of construction. Following completion of construction, then the site assessment may proceed.

In the event demolition is delayed, sampling of MW-1, MW-AOC-7, and MW-5 are too continued to be sampled for Thallium, and Arochlor-1248 (Polychlorinated Biphenyl) on a semi-annual (June 2012, and December 2012, if necessary) schedule.

Following demolition and construction, a single monitoring well will be installed in the footprint of the current Transfer Building (a proposed parking area following completion of construction activities according to conversations during the teleconference).

Please be aware, even though the landfill, and transfer station facility both share a common WACS number, the site assessment pursuant to Chapter 62-780 F.A.C. is for the transfer station facility only. The landfill is currently on long-term monitoring, and is a separate issue.

Thank you for your cooperation concerning the Chapter 62-780 F.A.C. assessment requirements for this facility.

Charles Masella

FDEP-SD Bureau of Waste Cleanup

239-344-5667

Charles.masella@dep.state.fl.us

From: Myra Wittenberg [mailto:mwittenb@keywestcity.com]
Sent: Tuesday, September 06, 2011 11:44 AM
To: Masella, Charles
Cc: andres.ramirez@dot.gov; Ed.Carson@dot.state.fl.us; lillian.costa@dot.state.fl.us; jgewin@keywestcity.com; Ed Coven; Carl Filer; andrew.smyth; Oscar Bello; Michael Buick; Jim Fitton
Subject: Re: WACS 79636Stock Island Landfill

Mr. Masella / Mr. Ramirez:

Based on our conversations today and a re-review of the letter of April 18, 2011, wherein it clearly addresses the IRAP / Site Assessment Plan for 5701 College Road, but also it does go into the plans for the new facility at that site with regard to the requirements of installing two (2) new wells as noted and mentioned therein - I do believe we have reached an agreement as follows:

"That the Plan submitted by the City of Key West is acceptable and the letter of April 18, 2011, stands as issued - as well as the Cat X DCE document approved by FTA on August 1, 2011, with the following addendums:

That the Florida Department of Transportation, District VI PTO Office, requests the City of Key West comply with all FDEP requirements outlined in the April 18, 2011, letter referenced above, as well as additional details and timelines provided herein for the interim period of time prior to actual new "construction" and during demolition and clean up of said site referenced as 5701 College Road, Key West, Florida.

City of Key West will continue to submit bi-annual monitoring results of existing five (5) wells noted on Attachment 1 of the April 18, 2011, letter; and forward said results to Mr. Marsella's attention when completed twice per calendar year.

Additionally, the City agrees to add to our current well monitoring status on a bi-annual basis - well #7 (MW-AOC) as noted on the newly revised print attached herein as Attachment #1 / Figure 3-2 / REVISED 9-6-2011. And the City will assure that "Thallium" be added to the test parameters on all wells moving forward and beginning with the bi-annual tests scheduled to be done in December, 2011.

A letter of request to extend the moratorium period on the existing wells and the new requirement to add well #7 will be forthcoming from Jay Gewin and Andrew Smyth on behalf of the City's Solid Waste Department, along with January 2011 test results of existing five (5) wells. Soon to be followed with the June 2011 tests performed as well - to be submitted in newest FDEP format by Mr. Gewin.

In the meantime, the City anticipates demolition and clean up work to be bid out and commence within the 270 day period of the extension as requested - or soon thereafter, but nonetheless the City will continue to submit the bi-annual test results to FDEP without fail until such time as the two (2) additional wells mentioned in the April 18, 2011 letter are installed and being tested.

If this works for everyone - please advise and I'll ask Mr. Ramirez to get this put into the Cat X document - along with requesting FDEP agree by email to this minor revisions - thank you.

Otherwise, if there is something I've missed as a recap here - please comment back - thanks to everyone for the help in getting this resolved.

Myra

On Fri, Sep 2, 2011 at 8:45 AM, Masella, Charles <Charles.Masella@dep.state.fl.us> wrote:

September 2, 2011

Myra Wittenberg
City of Key West
Re: Department Letter dated April 18, 201

Stock Island Landfill (former Southernmost Waste to Energy Facility)

5701 College Road Key West, Florida WACS 79636

Dear Ms. Wittenberg,

Our April 18, 2011 letter is contingent on the installation of the two additional monitoring wells, and the inclusion of analysis for Thallium and Arochlor (Polychlorinated Biphenyls-PCBs). The third paragraph, ending on page two of the correspondence states: “Pursuant to paragraph 62-780.600, F.A.C., The Department approves the IRAR subject to the addition of the recommended groundwater monitoring wells and additional parameters.”

The monitoring of contaminants of concern that could pose a detriment to the environment is the reason for requesting the installation of the additional monitoring wells, and the inclusion of analysis for both Thallium and Arochlor (Polychlorinated Biphenyls-PCBs) in the April 18, 2011 letter.

In the event that the City of Key West requires a letter issued by the Department to implement these actions, we can provide a document to your office. The letter might also request from your consultant a Natural Attenuation Monitoring Plan (NAMP) to be submitted for quarterly sampling of the groundwater at the facility.

We realize that there has been some confusion in the titles of correspondence issued by this office. However, I hope this explanation answers your concerns. If you have any additional questions or concerns, please contact me at Charles.masella@dep.state.fl.us, or directly at 239-344-5667. Thank you for your inquiry in this matter.

Charles Masella
FDEP-SD BWC
Charles.masella@dep.state.fl.us

Please take a few minutes to share your comments on the service you received from the department by clicking on this link DEP Customer Survey.

From: Myra Wittenberg [mailto:mwittenb@keywestcity.com]
Sent: Thursday, September 01, 2011 4:42 PM
To: Masella, Charles
Cc: andres.ramirez@dot.gov; Eduardo Herrera; Carl Filer; andrew.smyth; Oscar Bello; Michael Buick; Jim Fitton
Subject: Letter of April 18, 2011 - Approving 5701 College Road for Transit Facility - City of Key West

Mr. Masella

I'm trying to clear up some confusion on an issue that contains comments regarding a review of the new proposed City of Key West Transit Facility construction project at 5701 College Road, Key West, Florida, which received a letter of approval to the IRAP and listed a few specific conditions of that project dated April 18, 2011.

The confusion is that in the latest correspondence I received a copy of today regarding your review back and forth with Ms. Lillian Costa of Florida DOT - the email copy says that "FDEP will approve the IRAP...." when in fact the letter of approval with conditions is dated April 18, 2011 - does that mean that letter was a mistake?

The City of Key West fully understands the conditions and we intend to meet them - there is no requirement anywhere in our approval letter that says the wells have to be built now - can you clarify that please.. thank you,

Myra

Appendix 15 - FDOT Statements

Carolyn Haia

From: Carson, Ed
Sent: Friday, September 16, 2011 9:06 AM
To: Myra Wittenberg (mwittenb@keywestcity.com)
Cc: Filer, Carl; Collins, Erica; Coven, Ed; Pagan, Xavier; James, Steven Craig; andres.ramirez@dot.gov; Carolyn Haia; Bixb
Marjorie; Bjorneboe, David; Boucle, Aileen; Desdunes, Harold
Subject: City of Key West Stock Island Project-DCE

Myra: In order for the District Environmental Management Office (EMO) to sign the pending DCE with FTA the language below must be incorporated into the document. The decision was made to sign the DCE after discussions between District and Central Office Transit and EMO staff including a teleconference yesterday morning. Per FTA, this DCE will apply to both the federal earmarks provided directly to the City of Key West and any FTA Section 5311 funding passing through the Department. The Department is signing the DCE at the request of FTA so that the project funding will not lapse.

Please revise the DCE and send it back for execution by D6 EMO. Thanks. EDC.

Compliance:
The CITY agrees to undertake the construction of the PROJECT in accordance with all applicable federal, state and local statutes, rules and regulations, and standards. The CITY shall be responsible for obtaining clearances/permits required for the construction of the PROJECT from the appropriate permitting authorities. Upon completion of the PROJECT, the CITY shall certify to the DEPARTMENT that the PROJECT has been completed in accordance with the applicable standards, statutes, rules and regulations in writing. The CITY will be solely responsible for any liability in the event of non-compliance with applicable environmental regulations, including the securing of any applicable permits, and will reimburse the Department for any loss incurred in connection therewith. Failure to provide certification of compliance at the end of the project may result in non-payment by the Department.

Approval of Plans & Specifications:
The DEPARTMENT must approve any consultant and/or contractor scope of services including project budget.
CITY shall obtain DEPARTMENT approval of plans and specifications prior to bidding the project.

The CITY shall submit to the Department for approval all appropriate plans and specifications covering the project.
The Department will review all plans and specifications and will issue to the CITY written approval with any approved portions of the project and comments or recommendations concerning any remainder of the project deemed appropriate.
After resolution of these comments and recommendations to the Department's satisfaction,

3/19/2011

the Department will issue to
the CITY written approval with said remainder of the project. Failure to obtain the Department's approval of all plans and specifications will result in non-payment by the Department.

Reporting:
The DEPARTMENT will be entitled at all times to be advised, at its request, as to the status of work being done by the CITY and of the details thereof. Coordination shall be maintained by the CITY with representatives of the DEPARTMENT. CITY shall provide the DEPARTMENT with quarterly progress reports and updated project schedules. Failure to provide quarterly reports and/or updates as required will delay payment by the Department.

Ed Carson, Transit Programs Administrator
FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT SIX-PUBLIC TRANSPORTATION OFFICE
1000 NW 111th AVENUE - ROOM 6114
MIAMI, FL 33172-5800
THE ADAM LEIGH CANN BUILDING
TEL: 305-470-5255 FAX: 305-470-5179
E-MAIL: edward.carson@dot.state.fl.us

THE CITY OF KEY WEST
3140 Flagler St,
Key West, Florida 33040

ADDENDUM #3
Public Transit Facility
Request for Proposal: 001-13
19 October 2012

This Addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is amended in accordance with the following items:

- The bid due date is changed to 3:00 PM, 28 November 2012
- Contractor questions (RFIs) must be received by 5pm, 12 November 2012
- The site is available for contractor visitation. Visitation hours are from 10am to 3 pm on Saturdays (except Saturday 24 November 2012). Contact B.Ohlinger at bohlinger@keywestcity.com 48 hours before planned visit.
- See attached Questions and Clarifications Sheet(Addendum 3) for this project

All Bidders shall acknowledge receipt and acceptance of this Addendum No 3 by acknowledging Addendum in their proposal or by submitting the addendum with the bid package. Bids submitted without acknowledgement or without this Addendum may be considered non-responsive

_____ _____
Signature Name Of Business

CITY OF KEY WEST
Public Transportation Facility Project
Addendum No. 3
October 19, 2012

NOTICE TO BIDDERS

- **The bid submission deadline has been rescheduled to Wednesday, November 28, 2012, at 3 p.m. Contractor questions (RFIs) must be submitted by 5pm, 12 November 2012**
- **Site is available for visits, Fridays and Saturdays from 10am to 3pm. Please contact Birch Ohlinger to schedule.**

REVISIONS

- **Section 5.3.7.6 Special Doors-Overhead Coiling Doors** – Overhead doors and motors shall come with a 3-year manufacturer's warranty from date of substantial completion.

QUESTIONS

Q1. **Generator enclosure -** RFP 5.7.4.1 page 5-76 calls for the standby power generator to be housed in "a non-walk-in type enclosure." Please advise any acoustical performance criteria for the enclosure.

A. There is no acoustical performance criteria for the enclosure.

Q2. It is our intent to complete question 1 on page B-8 and supplement the table with resumes (without client contact information) to gain the full points of "qualifications and experience of Project Manager" and "qualifications and experience of Key Personnel" (page 1-25).

A. Noted.

Q3. We assume that the requirement noted at the beginning of Part II (B-8) for client contact information only applies to questions 2 through 5 under Part II (B-9 through B-12). Please confirm

A. Correct. Please include project client reference information for each project detailed. (Name, Company, Address, and Telephone Number).

Q4. **Geotech borings at scale building -** RFP 5.4.13.1 , at the top of page 5-44 calls for the minimum number of borings to be performed by the D/B Geotech and includes "four SPT borings for the scales". As there is not scale in the new project, please advise the correct

wording.

A. Please disregard. Paragraph should read:

"A minimum of five Standard Penetration Test (SPT) (ASTM D-1586) borings for the office/maintenance building and one SPT borings for the bus wash shall be made. The borings should be made to at least 30 feet below the ground surface."

Q5. **LEED effort** - RFP 5.6.1.3, page 5-54 Evaluations - requires Whole Building Energy Simulation model. Cost Proposal Alternates 2 & 3 descriptions include wording requiring certification, registration, filing, documentation and all associated fees for LEED Silver and Gold Alternates. During Prebid meeting, there was discussion that some or all of this work would not be required such that actual certification would not be sought. Please advise what portions of LEED effort , registration, calculations, modeling, data compilation, record-keeping, uploading, and fees are to be performed by the Design-Builder.

A. Complete LEED certification process is required under Alternates 2 & 3. Certification is not required under the base price.

Q6. **Odorous outdoor air** - RFP 5.6.1.3 page 5-57 Outdoor Air Filtration indicates that "offices in areas with odorous outdoor air" are to be filtered with activated carbon. The previous section - Location of Ventilation Air Intake, Air Distribution, and Exhaust Air - discusses filtered outside air and indicates that intake points be located to "prevent intake of odorous air and vehicle exhaust." The term "odorous" is not defined. These two sections may intend to require carbon filtration of all outside air drawn into the building, including that drawn into the Service Bays. Please define "odorous" and clarify intent.

A. Odorous is generally interpreted to mean offensive smells, many of which would likely be encountered in a vehicle maintenance facility, i.e. smoke, vehicle exhaust, noxious fumes, dumpster emissions, etc. The intent is for the design engineer to use his/her best judgment, based on existing and new conditions, including placement of intakes and exhausts, to implement systems which will minimize the introduction of odorous air into the facility.

Q7. **Vehicle exhaust system - general or direct capture** - RFP 6.5.3.4, page 6-26 - Areas to be Ventilated - indicates "provide a vehicle exhaust system in service bays." It also indicates the Service Bays are to be continuously ventilated unless the system is equipped with CO sensors. There is no indication if the Vehicle exhaust system is direct capture (attached to each vehicle exhaust tailpipe), or if it is the same system that exhausts the entire room with continuous ventilation/CO2 sensors. Please advise if direct capture, and if so, basis of design manufacturer.

A. Direct capture is the preferred type of exhaust system. The City does not have a preferred manufacturer.

Q8. **Vehicle exhaust system - number of bays serviced** If the Vehicle Exhaust System is direct capture, please advise if it occurs at all 6 bays, or only at specific bays.

A. If direct capture, the system is needed it at only (4) Bays due to the types of service functions planned for those bays.

Q9. **Rainwater Harvesting** - RFP 6.5.4.2 Plumbing Services lists "Rainwater Harvesting System". There is no indication of a cistern, or what systems (irrigation, gray water for toilet flushing, etc. this system would service. Please advise.

A. The CITY had an interest in Rainwater harvesting as an option to enhance the facility's sustainability, and as such, it would be part of the bid alternates, not part of the base bid. Potential uses at this facility could be toilet flushing, hand watering of landscaping, and vehicle washing.

Q10. **Invasive Exotic Plants to be removed** - Drawing EC-01, bottom center of the page, includes a note in a box "Invasive exotic plant species to be removed across the street the entire width of the project. Work to be coordinated with the City's Landscaping Department." There is no other mention of this work, or indication which species, how many plants, or the depth into the wooded area from the street this work is to occur, or if the D/B is to do the work or only coordinate with the City. This area is densely wooded with Mangroves in some areas, implying selective removal. Please advise extent, intent and methodology for this work.

A. It was a condition on the Tree Removal permit. Design/Builder should assume the entire length of the project lot along College Road (approx. 765') by 10' deep.

Q11. **Incinerator stack and other drawings** - CH2MHill Drawing D-02 Legend Note 6 for incinerator stack refers to drawing SC4. Notes in lower left hand section of D-02 (note 4 and 5) refer to drawings CE 1-3, SC and S drawings. None of these were issued with the RFP documents. Please provide.

A. All as-built drawings will be provided at a later date.

Q12. **Motor Horsepower** - Please advise motor horsepower for equipment listed in the equipment schedule in RFP section 6.3.1.2 figure 5-3-1.

A. This equipment is to be sized by Design/Builder.

Q13. **Bus Wash options and other data** - Please advise name and contact information for Interclean bus wash so that B/D is aware of options, utility demands, and capacities of bus wash as described to the City during programming conversations.

A. Lawrence Newcomer
7986 Avenal Loop
New Port Richey, FL 34655

South Eastern Consultant

cell 734-904-7834
larry@interclean.com

Q14. **Building Height per local code** - ChenMoore building elevations indicate top of slab, top of grade, crown of road, and building highest point elevations. Please confirm that these elevations have been reviewed and approved by local AHJ.

A. The building elevations have been reviewed by City of Key West Planning Department. The plans have been approved by Planning and City Commission.

Q15. **Galvanized Duct** - RFP 5.6.1.3, page 5-58 indicates that all air conditioning supply and return duct is to be Aluminum. Please advise if galvanized duct may be used in air conditioned spaces?

A. Galvanized duct may be offered as a deductive bid alternate for air conditioned spaces only.

Q16. **Fuel Island Canopy** - fuel island requirements are mentioned in RFP 6.3.1.4, 6.4.4, 6.5.1 and 6.5.5.4. There does not appear to be a requirement for a canopy for rain/shade at the fuel dispenser island. Please advise if a canopy is required and if so, parameters.

A. Canopy or cover is not required at the fuel island.

Q17. **Fuel island dispenser system** - RFP 6.5.5.4 indicates some requirements for the fuel dispensing system. There is no indication of the number of dispensers, or if a access/recording system is required. Please advise number of dispensers and describe access/recoding system.

A. Two dispensers (one per tank); Access/recording ("Fuel Management") system should be provided, basis of design: Trak Engineering, Inc.'s "Vehicle Key & Personnel Badge/Card System".

Q18. **Hours of operation** - the HVAC loading and energy modeling will be influenced by the facility hours of operation. For example, certain functions may be 7 days/week or 5 days/wk. Operating hours during those days may be different for Admin and Service functions. Please provide typical operating hours for facility.

A. Administration will work 8 am to 5 pm - Monday through Friday. Operations works 7 am to 4 pm - They have two (2) assistant supervisors who flex the 7 day workweek - with shifts starting at 5:30 am and working through 2:30 pm, including holidays and weekends. These positions also perform weekend, holiday and after hours dispatch functions for buses on the road and in active service. Otherwise, maintenance (buses only) will presumably work a 7 am to 4 pm. Monday through Friday.

Q19. **People count** - the HVAC and energy modeling will be influenced by the number of personnel in the facility throughout the week. For all rooms requiring air conditioning, please provide for each day of the week, a count of how many people are expected to occupy each space.

A. There are 5 Administrative positions (FTE), 2 Operations Support FT'E's and 7.25 Bus Maintenance FTE's - with 9 FTE's for the CITY (along with 1.5 part time/pooled temporary positions) and as many as up to 10 FTE's as contract employees for the Lower Keys services. Total of 34.75 FTE.

Q20. **Server/Telephone room cooling** requirements - the electronic equipment to be housed in the Server/Telephone room is not described in detail. Typically, cooling for this type of equipment can be critical to maintaining function. Please provide a list of the equipment located in the Server/Telephone room and the BTU load for each item.

A. Information will be provided at a later date.

Q21. **Bid delivery time & date** RFP 1.2.11 page 1-9 Preparation and submission of proposals - states proposals must be submitted "by the deadline indicated in this solicitation." The City website page for Bid Proposals/Notices of Intent to Award/Lease Opportunities indicates a bid due date of 10/31/2012 3:00 p.m. EST. Please confirm the website date supersedes the RFP statement.

A. Please refer to Notice to Bidders for new bid due date.

Q22. **SCTL soil monitoring and testing** - Appendix F - FDEP Site Plan Assessment Approval, part 4.0 Conclusions and Recommendations, second and third paragraphs discuss work required if elements or compounds are detected above or below industrial SCTL levels. .This suggests that samples will be analyzed during the course of the project and may affect how that material is either capped on site or removed from the site. Please advise if the Design/Builder is responsible for the testing of soil samples.

A. As stated in addendum #2, Appendix F, part 4.0 continues on to state "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." For costing the work, the design builder shall assume that no soils are above the Industrial SCTL.

The Design/Builder should assume that no soil sample testing is required.

Q23. **Export of material exceeding Industrial SCTL levels** - Per Appendix F - FDEP Site Plan Assessment Approval, part 4.0 Conclusions and Recommendations, second and third paragraphs - in the event elements or compounds are detected above industrial SCTL levels during the course of the project, will the Design/Builder be responsible for exporting from the site to an approved disposal location?

A. See answer to Q 22 above.

Q24. SCTL ground water monitoring and testing - Appendix F - FDEP Site Plan Assessment Approval, part 4.0 Conclusions and Recommendations, sixth paragraph discuss new monitoring wells to test ground water "for at least four monitoring events". This suggests that there is concern that groundwater may be contaminated, and by extension, there may be a concern that dewatering discharge produced during underground utility trenching, foundation excavation, and retention pond work may also be contaminated. As treatment varies according to the contaminant and concentration, please advise what remedial procedures the Design/Builder will need to include in the bid for testing, filtering or other dewatering discharge treatment.

A. Dewatering means and methods during construction is the responsibility of the Design-Builder. Location and analytical results of on-site groundwater sampling are included in Appendix F of the Request for Proposal.

Q25. Experience of Principal members - Proposal Checklist Attachment B, Technical proposal Package No. 1, Part II, Technical Statement - Experience (page B-8) item 1 asks for "design and construction experience of principal members of your organization." Please verify that this item is intended to be for the experience of the primary members of the Design/Builder team for this specific project.

A. Confirmed. The experience of the primary members of the Design/Builder team is the intend of the statement.

Q26. CD-ROM/flash drive - RFP article 1.2.11 Preparation and Submission of proposals, 2nd paragraph indicates "and 2 CD-ROM or flash drives, each shall contain one PDF file each of the full response." Please verify that the electronic copies are required to be submitted with the printed material before the bid deadline, as this will require bidders to allow for this step in the bid finalization process.

A. Electronic copies are required with submittal.

Q27. Bus Wash Water Softener - interclean is bus wash manufacturer mentioned in RFP 6.4.3. RPF does not indicate optional bush was items. Due to hardness of water available at the project site, optional water softener may result in significant reduction of detergent use during facility operation. Please verify if Bush Wash water softener is required.

A. Any optional items will be the decision of the Design/Builder. However, designer should prioritize bus wash water reuse.

Q28. Floor Plan Scale - the RFP drawings showing the building first and second level conceptual floor plans is marked as 3/32" scale. The AutoCAD version scales correctly. The PDF provided as part of the RFP Appendix A indicates the PDF is 11x17. When the

PDF is printed at 11x17, the actual scale is closer to 3/64". Please advise.

A. Use provided CAD files for scaling.

Q29. Work Stations and multi-occupant spaces - RFP 6.6.6 Lighting, third bullet requires "task lighting, at high foot candle level at every individual work station, and in all shared, multi-occupant spaces." The narrative and drawings do not indicate which rooms have individual work stations, or which are multi-occupant. Please advise workstation location and quantity, and multi-occupant spaces.

A. Preliminary counts can be determined by applying the following definitions: Multi-occupant spaces are those indoor spaces used as places of congregation, (i.e. Training Rooms 1 & 2); Individual workstations are those standard workstations (cubicles or desks) used for individual tasks, such as those in private offices (Asst Supv 1 & 2, Grants Coordinator, Dir/Mgr Office, Operations Supv, Trainers Office, Maintenance Foreperson, Farebox Comp & Cannister Storage) and in open office areas with multiple workers (2 in Common Work Room, 2 in Dispatcher, 2 in Mech Rec/Manuals/Comp Station, 4 in Ops Report Room).

Q30. Lighting at Fuel Island - please advise if the Fuel Island and Fuel Tank area requires night lighting.

A. Lighting is required at the Fuel Island.

Q31. Lighting at Bus Wash Exterior - please advise if the Bus Wash exterior area requires night lighting.

A. Exterior lighting is required at the bus wash.

Q32. Lighting at Relocated Art - please advise if the relocated art requires night lighting.

A. Signage lighting is required for the relocated art.

Q33. Lighting at sidewalk along College Road - the sidewalk adjacent to College Road is mostly, but not entirely, outside of the project property lines. Please advise if this walkway will require pedestrian pathway lighting, and if so, to what extent?

A. Lighting is not required along the College Road sidewalk.

Q34. The occupancy load is not listed in the Bid Documents. Can the City of Key West provide the number of full time staff members that will occupy the new facility? Additionally what is the projected maximum number of individuals that will occupy the training rooms on the second floor at any one time?

A. Aside from the information provided in Question No. 19, the number of people who should occupy the building is the full number of assigned FTE's, at 34.75, along with

possibly up to 4 guests for an event such as training.

Q35. Page 6-30, Section 6.6.4., Sub-Category "A" reads: "*Sequential Power Panels and Lighting Panels"*, is "*Sequential*" the proper terminology or should it read: "*Essential Power Panels…*" please clarify the intention of this item?

A. Sequential is correct, in reference to prioritizing generator loads.

Q36. A radio/communications console has been specified on Page 6-11, Figure 5-3-1. Does the City have a current communications system to include a tower that will be reused in/on the new facility/site, if not, can you please detail the demand, range, portability, and number of units needed to be provided?

A. The City is in interlocal agreement with Monroe County Sheriff Office for radio communications via the 800 MhZ system. The City will relocate console / base station, but everything else is mobile in nature or portable.

Q37. Addendum 2 has addressed the vehicle lifts and the welding stations as being provided by the city. Section 6.5.3.4 Buildings, Areas to be Ventilated states: *"Provide a designated exhaust system for welding station (in Machine Shop)"*. Is this system part of the existing Welding Station that the City of Key West is providing or does a new system need to be designed for this station? If a new station shall be designed can you provide the City's requirements for this system?

A. The facility will not include a welding station. Please omit an exhaust system for welding station.

Q38. According to Addendum 2, the vehicle lifts are being provided by the city. Can you provide the number of units, manufacturer and model number(s) for the existing lifts?

A. (2) - Large Vehicle Maintenance Lift, (1) - Hoist System Maintenance Service Bays, and (1) - Small Maintenance Lift. Manufacturer will be provided at a later date.

Q39. Section 1.1.8 Sustainability states: *"…comply with the United States Green Building Council (USGBC) Leadership in Energy and Environment Design (LEED) rating system, …..,the Florida Green Building Coalition standards, or a nationally recognized high performance green building rating system as approved by the department"*. Does this mean that the city will accept certification methods other than LEED as allowed for in F.S. 255.252? If so can the bid form be changed to reference the other options available other than LEED (i.e.: USGBC and/or FGBC)?

A. The City will only accept LEED certification.

Q40. Based on our review of the Nutting Engineering geotechnical report, the CH2M Hill design drawings and the information discussed at the pre-bid, it appears as if there is sufficient material on-site to achieve an earth change site balance prior to the 2' cap installation and after structure demolition. This would be represented by the major earth change operations reflected between CH2M Hill drawings D-04 to D-05. Can a stated assumption be provided to the design-build teams that sufficient, suitable soil exists on-site to balance the site between these drawings with no need to import soils or for off-site soil disposal at a licensed facility? If this assumption is not allowed by the City of Key West how are we to determine the costs associated with making this significant earth change operation as there is insufficient information in the bid package to confirm this aspect of the project.

A. As stated in Addendum #2, the demolition grading plans (D-04, D-05, D-06) and the proposed grading and drainage plan (C-02) were coordinated as closely as possible to minimize the need to haul material off-site. It is the responsibility of the Design/Builder to finalize the grading plan for the site utilizing the finished floor elevations and storm water system shown on C-02 meeting the requirements of the Design criteria package. CADD drawings were included in addendum #2 for Design-Builders use and verification.

Q41. Section 6.2.6 indicates that the FKAA has determined that adequate capacity exists to provide the potable water and fire flow demand to the facility. Section 5.2.7 indicates that a fire pump station will be required on the project to satisfy the anticipated fire flow demand. We are assuming that by providing a fire pump and utilizing existing infrastructure the fire flow demand for the project can be satisfied without the need for additional provisions for water storage on-site. This assumption will be verified during the design phase with a water flow test, however, for pricing purposes may we assume this assumption is valid?

A. The Design/Builder is ultimately responsible to satisfy fire flow requirements.

Q42. Section 6.3.3.10 provides a specification as to the quality and type of casework (millwork) to be installed on the project; however, no reference in the bid package is made as to the extent of millwork to be installed. Can a millwork schedule or description of desired millwork furnishings be provided so that pricing may be incorporated into our proposal?

A. Information will be provided at a later date.

Q43. Section 5.3.1.3 calls for a project wind speed of 150 miles per hour wind speed, 1.15 safety factor which appears to be based on ASCE 7-05 wind speed requirements. Please confirm that the wind speed shall be based on the ASCE 7-10 as required by the 2010 Florida Building?

A. *Design should be in accordance with ASCE 7-10.*

Q44. No drawings have been provided for the Bus Wash Building. Is this building required to be fully enclosed with overhead roll-up doors and ventilation?

A. *Roll-up doors are not required. Any other requirements per bus wash manufacturer's recommendation and/or local code.*

Q45. Section 6.5.5.3 states that fire protection in the Bus Wash Building shall be as determined by the local Authority Having Jurisdiction. Can a stated assumption whether or not the Authority Having Jurisdiction will require fire protection for the bus wash building?

A. *Design/Builder is responsible to make this determination per local governing codes.*

Q46. Section 3.3 states the drawings and specifications will address "…instrumentation and control requirements". Beyond the control requirements associated with the bus wash does the city have any specific instrumentation and control requirements that the design/builder needs to accommodate?

A. *There are facility requirements described in the RFP which may require instrumentation and control systems. They include, but not limited to, site security, emergency generator, pump station, fire pump, etc. Design/Builder is responsible for these systems.*

Q47. Section 6.5.3.4 indicates that the Lubricant Storage, Non-hazardous Storage, Compressor Room, Tire Storage, Electronics Shop, Equipment Storage, Bus Maintenance and Bus Wash shall be ventilated with both supply and exhaust fans. Is there a need to provide both supply and exhaust fans for these spaces and not just exhaust fans with intake louvers or intake hoods for the spaces listed?

A. *Both supply and exhaust fans are to be provided where required by Code; where not required by Code, exhaust fans with louvers or intake hoods for supply may be utilized.*

THIS IS A FORMAL ADDENDUM THAT HAS TO BE ACKNOWLEDGED IN THE BID ADDENDA ACKNOWLEDGEMENT FORM. IF A BIDDER FAILS TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM AS PART OF ITS BID SUBMISSION, THE CITY RESERVES THE RIGHT TO REQUEST, AND THE BIDDER MUST COMPLY WITHIN TWO (2) BUSINESS DAYS AFTER RECEIPT OF WRITTEN REQUEST FROM THE CITY.