

HOMEOWNER INFORMATION PACKAGE FOR PHASE I & II SERVICE CONNECTION TO THE NORTH PLANTATION KEY WASTEWATER TREATMENT SYSTEM

ISLAMORADA, FLORIDA



Prepared for:
Islamorada, Village of Islands
86800 Overseas Highway
Islamorada, Florida 33036

Prepared by:
E Sciences, Incorporated
34 East Pine Street
Orlando, Florida 32801

The Connection Process

Islamorada's Director of Utilities will be the initiator and facilitator for the service connection program for each of the wastewater collection system projects under the Village of Islamorada's (aka "Village's") jurisdiction. If there are any questions regarding this project, please call the Village's Director of Utilities at 305-664-6455.

The North Plantation Key Wastewater Treatment Facility (NPK WWTF) is designed to process wastewater from the North Plantation Key service area shown on the attached Map 1. The service area is divided into two phases, Phase I and Phase II. This facility has been in operation since July 2006 and is currently processing wastewater from the North Plantation Key (Phase I & II) service area.

Pursuant to Section 62-1 of the Village's Code of Ordinances within 30 days of the date that an owner is notified that a phase of the Village's utility system is available for connection the owner must connect their home's wastewater discharge plumbing to the Village's central sewer system.

It is highly recommended that homeowners contact licensed professionals as early as possible to begin planning the work to be accomplished. Professionals that may do the work include licensed plumbing contractors, general contractors, building contractors, residential contractors, and underground utility and excavation contractors. All contractors must be licensed with the State and registered with the Village.

The following are suggested minimum tasks each owner should undertake:

Plan Route: Personally, or with the assistance of your chosen contractor, evaluate the most economical and practical route to the central system lateral pipe. The stubbed out central sewer system lateral pipe tie in location will be marked by a painted 2" x 4" board painted green placed in the ground at the end of the Village's Sewer lateral, or a capped 4" PVC standpipe connected to the Village's lateral near the right-of-way line. In the event the area has been covered by new asphalt, pavers or concrete since the sewer lateral was constructed, the tie in location can be marked with a green arrow and an offset distance at the edge of pavement near the right of way line by the Village at the request of the property owner. All tie-in locations are clearly marked on the As-Built Plans with corresponding invert locations. The As-Built Plans are available for review at the Village Utilities Department.

Plumbing and Contracting Quotes: Contact one or more licensed local plumbers or contractors to get a competitive price to do the work and discuss routing possibilities. When getting a price, clarify in writing if it includes trenching, plumbing, landscaping, concrete, asphalt restoration, septic tank abandonment and any other necessary tasks required to complete the connection. Ensure that the plumber/contractor commits to completing the work by the date required. Refer to the attached Questions for Contractors

checklist. Call the Village's Building Services Division at 305-664-6434 to verify that the plumber/contractor is registered with the Village to do this type of work.

Abandonment Quotes: Unless the plumber/contractor has specifically included "on-site sewage system abandonment" in his quotation, it will be necessary to contact a State Licensed Plumber or Septic Tank Contractor to arrange for proper removal of the existing septic tank or cesspit from service. Per Florida Administrative Code 64E-6.011, "On-site sewage system abandonment" involves getting a Department of Health permit (DH 4015) for pumping and properly disposing the sewage from the septic tank as well as rupturing the septic tank bottom and/or collapsing the septic tank. The septic tank must be filled with clean sand or other inert material, and covered with soil. The alternative is to remove the septic tank or convert to a cistern to be permitted through the Monroe County Health Department. The Village and the Department of Health require that abandonment of the septic tank be completed within 90 days of the date of connection to the Village's sanitary sewer system. The fee for this permit is **\$50**. A copy of the Department of Health permit application (DH 4015) for septic tank abandonment is included in this package and is available on the Florida Department of Health's website (<http://www.doh.state.fl.us/>) and the Village's website (<http://www.islamorada.fl.us/>). For permitting questions, call the Monroe County Department of Health at 305-453-8750.

Other tasks related to constructing the connection between your home or building and the central sewer system:

Obtain Village Building Permit: If not included in your contractor's quote, you will need to get a building permit from the Village Building Services Division. The fee for this permit is **\$112**. A copy of the Village permit application is included in this package and available on the Village website (<http://www.islamorada.fl.us/>) and at the Village's Building Services Division. For permitting questions, call the Village's Building Services Division at 305-664-6434.

Construction and Inspections: Once the proper permits are obtained, construction may begin. Village Inspectors must be called to inspect the construction of the homeowner's sewer lateral for proper installation in accordance with Village regulations and the Florida Plumbing Code. Quality Assurance and Quality Control (QA/QC) during the connection process will help to ensure proper operation of the Village's wastewater treatment system. Typically, the plumber/contractor will call the Village and coordinate the inspection process. The sequence of construction and inspections is as follows:

1. Trench and install the gravity sewer discharge piping from the building to the Village's sewer lateral at the property line, without connecting to the building or the Village's sanitary sewer system. Call the Village's Utility inspection phone line at 305-664-6440 to request an inspection of the sewer lateral installation with the Village's Building Services Division. Fill the lateral piping with water at the vent stack for a hydrostatic test. The trench cannot be backfilled until the piping has been inspected and approved by the Village's Building Services Division. Refer to the

attached drawing titled *Phase I and II Connection Detail* for required construction specifications, and to the attachment titled *Construction Information* for additional technical details as well as the Florida Plumbing Code.

2. After the Village's Building Services Division has approved the lateral inspection, the homeowner / plumbing contractor is to call the Village's Utility inspection phone line at 305-664-6440 to request a camera inspection of the homeowners sewer lateral by the Village's Utility Department. The trench may be backfilled with the exception of the backwater valve and cleanouts.
3. Once you have successfully completed the above inspections with the Village's Building Services Division and Utilities Departments, you will need to schedule a final connection inspection with the Village's Utilities Inspectors. The homeowner's plumbing contractor is to call the Village's Utilities Inspectors for a final visual inspection of the connection between the homeowner's sewer lateral to the Village's sanitary sewer system. A state licensed plumber who is registered with the Village must perform the connection between the new piping and the central system vacuum chamber lateral pipe. This connection must be inspected by the Village and will serve as the final inspection required by the Village. The Village's Utilities inspectors can be reached at:

◆ Ralph	305-360-5097
◆ Jermaine	305-481-2917
◆ Robert	305-481-2126

4. Following the connection to the Village's sanitary sewer system the homeowner will be required to abandon their septic system within 90 days of connection in accordance with the Florida Administrative Code. Pump out and abandonment of the septic tank must be performed by a state licensed contractor. This step requires an inspection by the Monroe County Department of Health. This is the Final Inspection required to complete the connection process. Please call the Monroe County department of health at 305-453-8750, if you have any questions.
5. Complete restoration.

Note:

It is **imperative** that debris (e.g. rocks, sand) not be allowed to enter the building sewer or lateral piping during the connection process. If this occurs, very serious and expensive damage can result to the collection system. Problems with the sanitary sewer due to debris in the system may not be obvious immediately. It is also imperative that groundwater not be allowed to enter the gravity piping and subsequently the vacuum chamber during the connection process. The property owner's contractor will be responsible for maintaining a continuously dry trench during the connection to the vacuum chamber using appropriate dewatering methods as necessary. Failure to use due care in the installation of the

lateral connection may result in damage to the vacuum system, and the homeowner will be responsible for all costs associated with repairs to the vacuum system due to negligence. **Please notify the Village promptly if groundwater does enter the pit piping so remedial action can be taken.**

The following documents are attached to assist you:

- **Frequently Asked Questions**
- **NPK WWTF Service Area Phase I & II Map**
- **Questions for Contractors (Questions for homeowners to consider when hiring a contractor)**
- **Phase I & II Connection Detail**
- **Department of Health Permit Application for Septic Tank Abandonment**
- **Village Permit Application for Gravity Lateral Construction**
- **Construction Information (For contractors or homeowners who plan to do some of the work themselves)**
- **Mainline Backwater Valve Brochure**
- **Emergency Contact Information**

Frequently Asked Questions

FREQUENTLY ASKED QUESTIONS ABOUT CENTRAL SEWER

1. *When a central sewer system becomes available, do I have to connect?*

Yes, pursuant to Section 62-1 of the Village Code and Chapter 99-395, Laws of Florida, you are required to connect to the system within 30 days of the date of notification that the system is available.

2. *Are there any exceptions to this requirement?*

No. Connection is mandatory for anyone receiving official notification that service is available to the property. Failure to comply as required in the ordinance may result in code enforcement procedures against the property owner.

3. *What happens if the electric power at the treatment plant goes off?*

A stand-by generator will power the treatment plant and remote pump stations. Vacuum collection systems are powered by vacuum created at the plant and remote pump stations so the system will operate without interruption.

4. *What happens if the collection system gets plugged or otherwise stops functioning?*

After the homes are connected to the central sewer system and the system is operational, a Village contracted operator will be on duty at all times to handle emergencies. The Village has provided a 24 hour emergency phone number (305-359-0813). The Village operator will investigate to see if the problem is in the collection system or on your property. Prior to final connection of the home to the system, the homeowner is responsible for the home system up to the central sewer connection point. After the home is connected to the central sewer and the system has been in operation, the homeowner is responsible for the portion of the system on their property. If the problem is on your property, you will have to arrange to remedy the situation. If the problem is in the central sewer system, the Village operator will be responsible for resolving the problem.

5. *May I put in my own "building sewer" (pipe from house to roadside collection point) instead of hiring a plumber?*

If you are the owner of the property, you may dig the trench and/or install the pipe yourself. You will still require a construction permit and an inspection from the appropriate building official to insure that the installation meets plumbing code requirements and any special requirements of the collection system. You will still need a licensed plumber/contractor to make the final connections to the central sewer and house, and for the septic tank abandonment.

6. *May I keep my existing septic tank as a backup?*

No. By law, at a minimum the septic tank will need to be pumped out, the bottom will need to be broken, and it will need to be filled with an approved inert material (sand, gravel, common fill, etc.). The alternative would be to remove the tank. Any variance to these requirements must be authorized by the Department of Health.

7. *May I convert my old septic tank to a cistern?*

Yes. It requires special permitting through the Monroe County Health Department.

8. *There is no reasonable way to get heavy equipment to my septic tank/cesspit location. How am I supposed to fill it in?*

"Flowable fill" (sand and water slurry, usually with some cement to firm it quickly) can be pumped from the roadway to the pit location through a hose.

9. *May I do the septic tank/cesspit abandonment myself?*

The Village and the Monroe County Health Department (MCHD) require that you have a State Licensed Plumber or Septic Tank Contractor do the abandonment work.

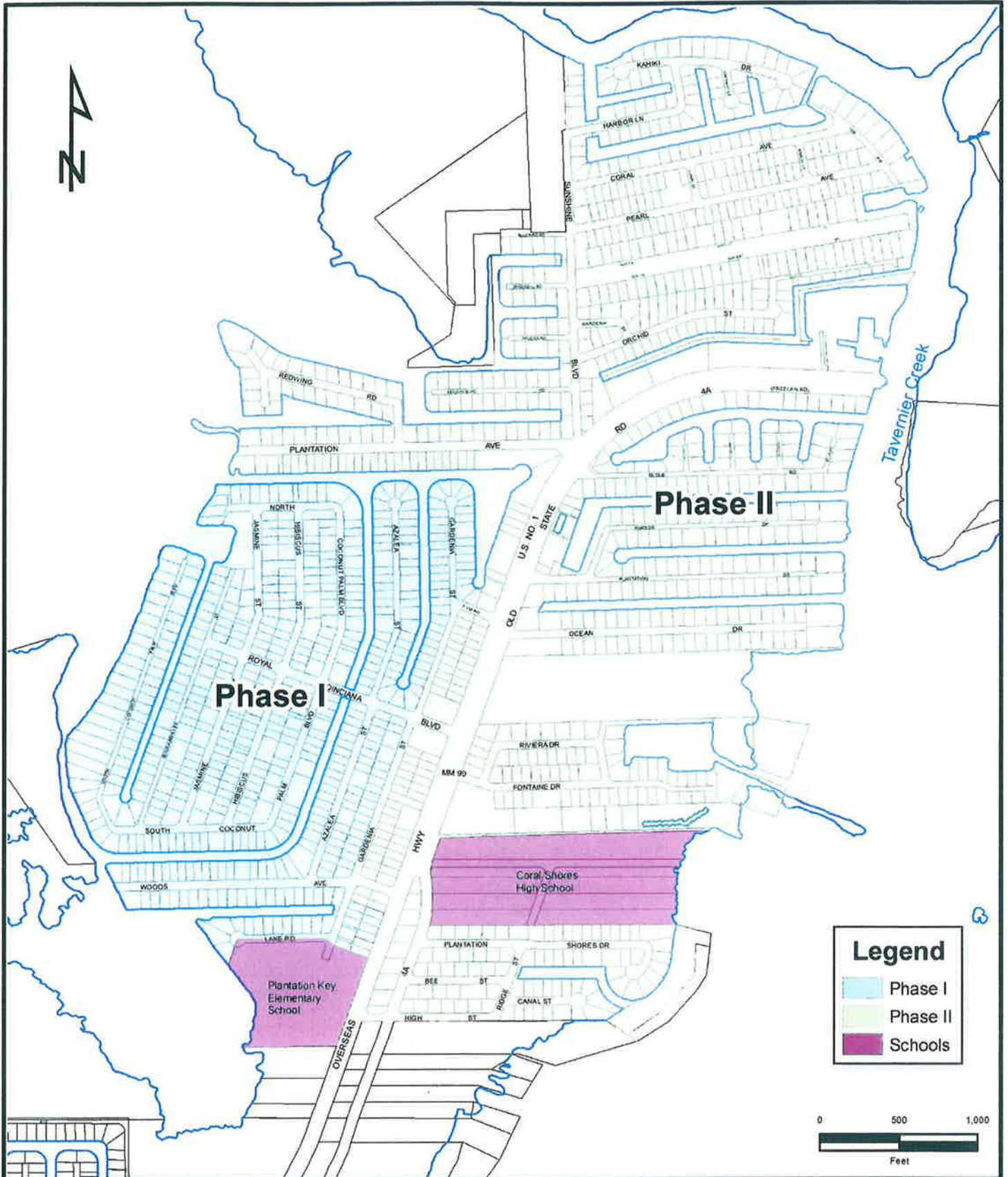
10. *What if my septic tank/cesspit is under my house? Do I have to jack hammer holes in the floor to fill it?*

The Monroe County Health Department should be consulted in that situation. If you suspect that your septic tank/cesspit is located under your home, we suggest you contact the Health Department as soon as possible for additional information.

11. *Where can I get more information about the Village central sewer system connection program?*

Call the Director of Utilities at (305) 664-6455.

**North Plantation Key WWTF Phase I and II
Service Areas**



Legend

- Phase I
- Phase II
- Schools



**North Plantation Key
Wastewater Treatment and
Collection System Service Area
Islamorada, Village of Islands**

Project: 2-110-14-605 GENERAL ISSUES-General Graphic/General Project Area Template/Project Area.mxd

**Map 1
Project 2-110-14-605**

Scale: As Above	Date: 12/22/05
Drawn By: CMM	Approved:

Questions for Contractors

Islamorada, Village of Islands Homeowner Connection

Suggested questions that a homeowner might consider when hiring a licensed plumber/contractor. The following questions are not meant to be an exhaustive list of questions, but are provided as additional reference information.

<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>Qty.</u>	<u>Description</u>
------------	-----------	------------	-------------	--------------------

Permitting

- | | | | | |
|--------------------------|--------------------------|--------------------------|--|--|
| <input type="checkbox"/> | <input type="checkbox"/> | ---- | | Obtain Florida Department of Health Permit (Septic Tank Abandonment) included? |
| <input type="checkbox"/> | <input type="checkbox"/> | ---- | | Obtain Village Building permit included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Obtain Village tree removal permit included (If required)? |
| <input type="checkbox"/> | <input type="checkbox"/> | ---- | | File Notice of Commencement included? |
| <input type="checkbox"/> | <input type="checkbox"/> | ---- | | Obtain inspection approvals included? |
| <input type="checkbox"/> | <input type="checkbox"/> | ---- | | File Release of Liens included? |

Plumbing

- | | | | | |
|--------------------------|--------------------------|--------------------------|--|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Located building drain(s)? |
| <input type="checkbox"/> | <input type="checkbox"/> | ---- | | Requires interior plumbing work? (specify extent) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Trenching included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Rock excavation included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Concrete cutting and removal included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Tree trimming/removal, landscaping removal included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Moving/replacing of improvements (as required) included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Removing waste material included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Bedding material, supply & install included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Piping material, supply and install included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Auxiliary vent and screen included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Imported backfill material (if required) included? |

Yes No N/A Qty. Description

Plumbing (cont.)

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Connection to central sewer (at street) included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Connection to existing building(s) plumbing included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Connection of multiple building drains included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Backfilling and compaction as required included? |

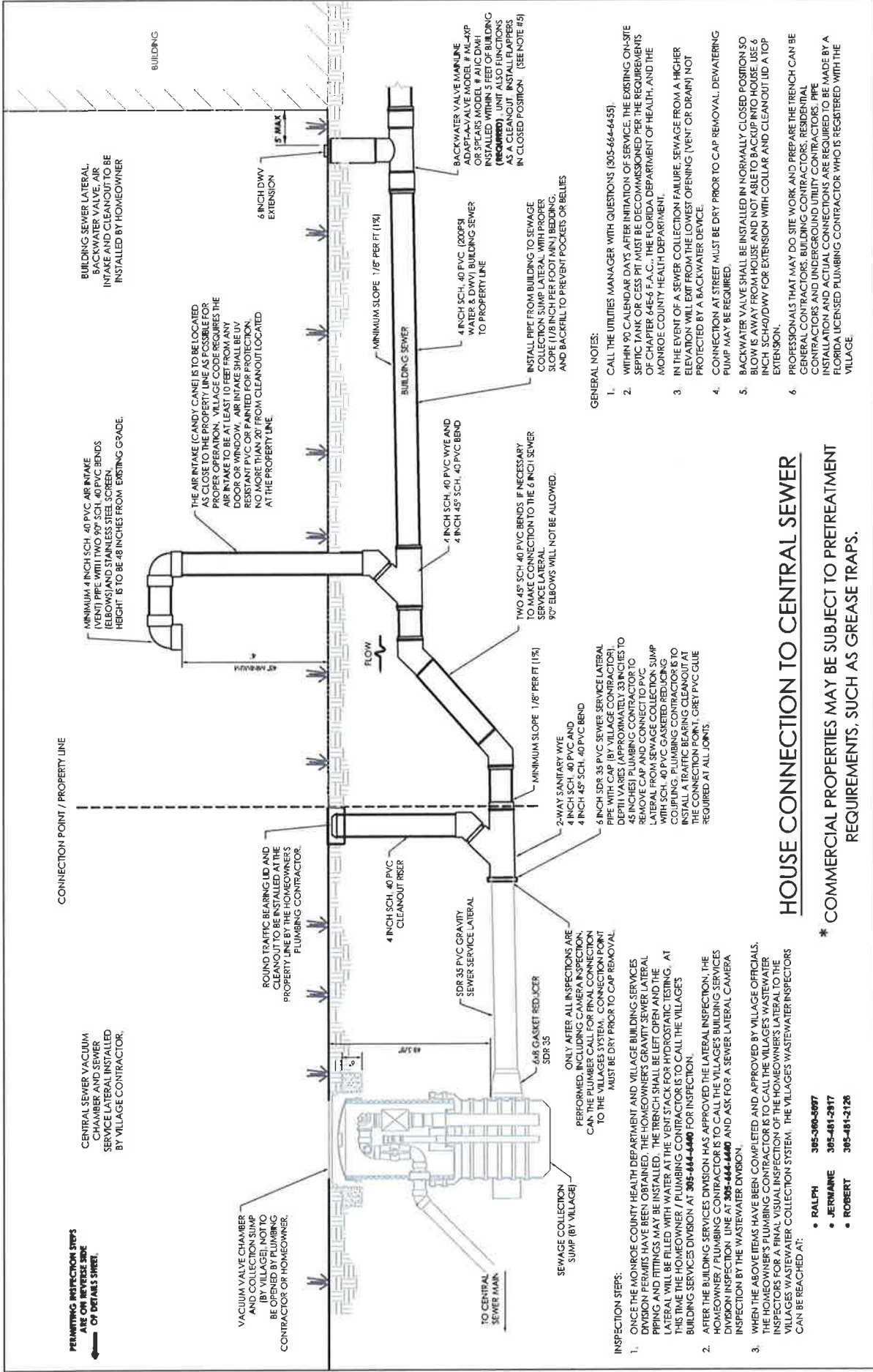
Septic Tank Abandonment

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Pumping and hauling of septage included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Rupture of bottom or collapse of tank included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Filling of tank with solid granular included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Removal of above grade portion of tank included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Extraction of tank(s) included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Removal from site of tank(s) included? |

Restoration work

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Replacement of sod with like type or _____ included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Tree replacement(s) included? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Other landscaping restoration included? (Note specifics) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Concrete replacement/repair included? (specify extent) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Pearock or riverstone replacement included? |

Phase I and II Connection Detail



PERMITTING INSPECTION STEPS ARE ON REVERSE SIDE OF DETAILS SHEET.

INSPECTION STEPS:

- ONCE THE MONROE COUNTY HEALTH DEPARTMENT AND VILLAGE BUILDING SERVICES DIVISION PERMITS HAVE BEEN OBTAINED, THE HOMEOWNER'S GRAVITY SEWER LATERAL PIPING AND FITTINGS MAY BE INSTALLED. THE TRENCH SHALL BE LEFT OPEN AND THE LATERAL WILL BE FILLED WITH WATER AT THE VENT STACK FOR HYDROSTATIC TESTING. AT THIS TIME THE HOMEOWNER / PLUMBING CONTRACTOR IS TO CALL THE VILLAGES' BUILDING SERVICES DIVISION AT 305-644-6440 FOR INSPECTION.
- AFTER THE BUILDING SERVICES DIVISION HAS APPROVED THE LATERAL INSPECTION, THE HOMEOWNER / PLUMBING CONTRACTOR IS TO CALL THE VILLAGES BUILDING SERVICES DIVISION INSPECTION LINE AT 305-444-6440 AND ASK FOR A SEWER LATERAL CAMERA INSPECTION BY THE WASTEWATER DIVISION.
- WHEN THE ABOVE ITEMS HAVE BEEN COMPLETED AND APPROVED BY VILLAGES OFFICIALS, THE HOMEOWNER'S PLUMBING CONTRACTOR IS TO CALL THE VILLAGES WASTEWATER INSPECTORS FOR A FINAL VISUAL INSPECTION OF THE HOMEOWNER'S LATERAL TO THE VILLAGES WASTEWATER COLLECTION SYSTEM. THE VILLAGES WASTEWATER INSPECTORS CAN BE REACHED AT:
 - RALPH 305-300-5897
 - JERWANE 305-481-2817
 - ROBERT 305-481-2126

HOUSE CONNECTION TO CENTRAL SEWER

* COMMERCIAL PROPERTIES MAY BE SUBJECT TO PRETREATMENT REQUIREMENTS, SUCH AS GREASE TRAPS.

SEWER CONNECTION DETAIL

Scale: N.T.S. Date: 11/17/2010

Drawn By: RCO Approved: JJO/MEM

SERVICE CONNECTION TO THE PHASE I & PHASE II - NORTH PLANTATION KEY WASTEWATER TREATMENT SYSTEM

ISLAMORADA, FLORIDA

GENERAL NOTES:

- CALL THE UTILITIES MANAGER WITH QUESTIONS (305-664-6455)
- WITHIN 90 CALENDAR DAYS AFTER INITIATION OF SERVICE, THE EXISTING ON-SITE SEPTIC TANK OR CESS PIT MUST BE DECOMMISSIONED PER THE REQUIREMENTS OF CHAPTER 64E-6 P.A.C., THE FLORIDA DEPARTMENT OF HEALTH, AND THE MONROE COUNTY HEALTH DEPARTMENT.
- IN THE EVENT OF A SEWER COLLECTION FAILURE, SEWAGE FROM A HIGHER ELEVATION WILL EXIT FROM THE LOWEST OPENING (VENT OR DRAIN) NOT PROTECTED BY A BACKWATER DEVICE.
- CONNECTION AT STREET MUST BE DRY PRIOR TO CAP REMOVAL, DOWATERING PUMP MAY BE REQUIRED.
- BACKWATER VALVE SHALL BE INSTALLED IN NORMALLY CLOSED POSITION SO FLOW IS AWAY FROM HOUSE AND NOT ABLE TO BACKUP INTO HOUSE USE 6 INCH SCH 40/DWV FOR EXTENSION WITH COLLAR AND CLEANOUT LID A TOP EXTENSION.
- PROFESSIONALS THAT MAY DO SITE WORK AND PREPARE THE TRENCH CAN BE GENERAL CONTRACTORS, BUILDING CONTRACTORS, RESIDENTIAL CONTRACTORS AND UNDERGROUND UTILITY CONTRACTORS. PIPE INSTALLATION AND ACTUAL CONNECTIONS ARE REQUIRED TO BE MADE BY A FLORIDA LICENSED PLUMBING CONTRACTOR WHO IS REGISTERED WITH THE VILLAGE.



**Islamorada Building Division
Sewer Line Connection Procedures**

The Islamorada Building Division permitting process for the Sewer Line Connections is described below.

For Phase I & II you will need to obtain a Department of Health (DOH) permit first with your Notice to Proceed. You can pick up the forms at the DOH or at the Islamorada Administrative Center.

The following are steps, which must be taken in your wastewater permitting process if your residence is located in Phase I & II area(s).

Step #1

First, a Septic Tank, Cess Pit, or ATU Abandonment Permit must be pulled or obtained from the Monroe County Health Department to proceed. There is a \$50.00 Health Department fee for this permit. You must submit a copy of your 30-day approval to proceed connection letter from the Village of Islamorada, which has your property address identified to obtain this permit from the Health Department.

You must also submit a permit application with a site plan, sketch, or survey of your building and septic tank location attached. In addition, a copy of your property records would be helpful.

Monroe County Health Department

Suite 202

102050 Overseas Highway (MM 102.8 Bayside) Murray Nelson Government Center

Key Largo, FL 33037

Hours: M-F 8:30am-5:00pm (closed from 12-1 for lunch)

305-453-8750

Step #2

After obtaining the abandonment permit from the Health Department, submit a copy to the Village of Islamorada Building Division in order to obtain a sewer connection permit. We have entered the basic information for you on the permit application and left the areas marked "X" for your specific information. Along with the permit application and schematics, the permit fee of \$112.00 (the minimum permit fee) must be submitted to the Village of Islamorada Building Division.

With your issued permit, we include a copy of the specification for the sewer line. Be sure to give this to your contractor to follow. If adequate gravity flow cannot be attained per the Florida Building Code, some installations may require additional engineering.

Thank you for your cooperation. If you have any questions, please do not hesitate to call 305-664-6434.

**Florida Department of Health Permit Application
(Septic Tank Abandonment)**



STATE OF FLORIDA
 DEPARTMENT OF HEALTH
 ON-SITE SEWAGE DISPOSAL SYSTEM
 APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. _____
 DATE PAID: _____
 FEE PAID: _____
 RECEIPT #: _____

APPLICATION FOR:

- New System Existing System Holding Tank Innovative
 Repair Abandonment Temporary _____

APPLICANT: _____

AGENT: _____ TELEPHONE: _____

MAILING ADDRESS: _____

=====

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (m) OR 489.552, FLORIDA STATUTES.

=====

PROPERTY INFORMATION

LOT: _____ BLOCK: _____ SUBDIVISION: _____ PLATTED: _____

PROPERTY ID #: _____ ZONING: _____ I/M OR EQUIVALENT: (Y / N)

PROPERTY SIZE: _____ ACRES WATER SUPPLY: PRIVATE PUBLIC <=2000GPD >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? Y / N DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: _____

DIRECTIONS TO PROPERTY: _____

BUILDING INFORMATION

RESIDENTIAL COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sq Ft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____

Floor/Equipment Drains Other (Specify) _____

SIGNATURE: _____ DATE: _____





STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

----- PART II - SITE PLAN -----

Scale: Each block represents 5 feet and 1 inch = 50 feet.

Notes: _____

Site Plan submitted by: _____ Signature _____ Title _____

Plan Approved _____ Not Approved _____ Date _____

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

APPLICATION FOR: Check type of permit, if "Other" specify type in blank.

APPLICANT: Properly owner's full name.

AGENT: Properly owner's legally authorized representative.

TELEPHONE: Telephone number for applicant or agent.

MAILING ADDRESS: P.O. box or street, city, state and zip code mailing address for applicant or agent.

LOT, BLOCK, SUBDIVISION: Lot, block, and subdivision for lot (recorded or unrecorded subdivision). If lot is not in a recorded subdivision, a copy of the lot legal description or deed must be attached.

DATE OF SUBDIVISION: Official date of subdivision recorded in county plat books (month/day/year) or date lot originally recorded. Dividing an approved lot into two or more parcels for the purpose of conveying ownership shall be considered a subdivision of the lot.

PROPERTY ID#: 27 character number for property. CHD may require property appraiser ID # or section/township/range/parcel number.

ZONING: Specify zoning and whether or not property is in I/M zoning or equivalent usage.

PROPERTY SIZE: Net usable area of property in acres (square footage divided by 43,560 square feet) exclusive of all paved areas and prepared road beds within public rights-of way or easements and exclusive of streams, lakes, normally wet drainage ditches, marshes, or other such bodies of water. Contiguous unpaved and non-compacted road rights-of-way and easements with no subsurface obstructions may be included in calculating lot area.

WATER SUPPLY: Check private or public <= 2000 gallons per day or public > 2000 gallons per day.

SEWER AVAILABILITY Is sewer available as per 381.0065, Florida Statutes, and distance to sewer in feet.

PROPERTY ADDRESS: Street address for property. For lots without an assigned street address, indicate street or road and locale in county.

DIRECTIONS: Provide detailed instructions to lot or attach an area map showing lot location.

BUILDING INFORMATION: Check residential or commercial.

TYPE ESTABLISHMENT: List type of establishment from Table II, Chapter 10D-6, FAC. Examples: single family, single wide mobile home, restaurant, doctor's office.

NO. BEDROOMS: Count all rooms designed primarily for sleeping and those areas expected to routinely provide sleeping accommodations for occupants.

BUILDING AREA: Total square footage of enclosed habitable area of dwelling unit, excluding garage, carport, exterior storage shed, or open or fully screened patios or decks. Based on outside measurements for each story of structure.

BUSINESS ACTIVITY: For commercial/institutional applications only. List number of employees, shifts, and hours of operation, or other information required by Table II, Chapter 10D-6, FAC.

FIXTURES: Mark Floor/Equipment Drains or Others and specify item or "NA" if not applicable.

SIGNATURE / DATE: Signature of applicant or agent. Date application submitted to the CHD with appropriate fees and attachments.

ATTACHMENTS: A site plan drawn to scale, showing boundaries with dimensions, locations of residences or buildings, swimming pools, recorded easements, onsite sewage disposal system components and location, slope of property, any existing or proposed wells, drainage features, filled areas, obstructed areas, and surface water. Location of wells, onsite sewage disposal systems, surface waters, and other pertinent facilities or features on adjacent property, if the features are within 75 feet of the applicant lot. Location of any public well within 200 feet of lot. For residences, a floor plan (residences) showing number of bedrooms and building area of each unit. For nonresidential establishments, a floor plan showing the square footage of the establishment, all plumbing drains and fixture types, and other features necessary to determine composition and quantity of wastewater.

**Islamorada Building Permit Application
(Gravity Lateral Construction)**



ISLAMORADA, VILLAGE OF ISLANDS APPLICATION FOR BUILDING PERMIT

2007 Florida Building Code in effect.
Sewer Connection Permit: \$112.00

Office Use Only	
Flood Zone:	Permit #:
Base Flood El.:	Zoning: FLUM:
Panel #:	FWS: Y N

INSTRUCTIONS: Complete all sections of this form, including contact information and notarized signatures of the property owners and contractors. Submit completed application with all necessary documentation and submittals to the Building Services Department. Applicants may be asked to submit additional information during the permit review process.

PROPERTY OWNER:

CONTRACTOR:

Name:		Business Name:	
Mailing Address:		Mailing Address:	
City/State/Zip:		City/State/Zip:	
Home/Mobile:	Office:	Home/Mobile:	Office:
E-mail:	Fax:	E-mail:	Fax:

AUTHORIZED AGENT / CONTRACTOR CONTACT:

SUB-CONTRACTORS:

Name:		Electrical:	
Mailing Address:		Plumbing:	
City/State/Zip:		Mechanical:	
Home/Mobile:	Office:	Roofing:	
E-mail:	Fax:	Sign:	

PROPERTY DESCRIPTION:

Physical Address:			Mile Marker:
Lot:	Block:	Subdivision:	
<input type="checkbox"/> Plantation Key	<input type="checkbox"/> Windley Key	<input type="checkbox"/> Upper Matecumbe Key	<input type="checkbox"/> Lower Matecumbe Key
Parcel ID (Real Estate) Number:			Alternate Key:
Existing Use of Property:			
Business Name:			

PERMIT TYPE (Check all that apply): Building Electrical Plumbing Mechanical Roofing
 Gas Demolition Right-of-Way Change of Occupancy

Detailed Description of Proposed Development: INSTALL CONNECTION TO CENTRAL SEWER

Value of Work: \$ _____ Square/Linear Feet of Construction: _____

Change Requested: Contractor Revision _____ Renew Expired Permit _____
(Original/Previous Permit #) (Original/Previous Permit #)

Office Use Only				
Rec'd By:	Date: / /	Reviewed By:	Planning:	Building: Fire: Public Works/Utilities:

**Islamorada, Village of Islands
Application for Building Permit**

Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS, etc. [F.S. 713.135(6)(a)]

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning, including but not limited to, the current edition of the Florida Building Code, the Florida Fire Prevention Code and the Code of Ordinances of Islamorada, Village of Islands, Florida, as amended from time to time. Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents. Furthermore, I understand that if the actual cost of the repair, reconstruction, rehabilitation, or improvement of a structure equals or exceeds 50 percent (50%) of the market value of the structure, then the structure must conform to all current laws and Codes.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED, A COPY OF THE RECORDED NOTICE MUST BE SUBMITTED TO THE BUILDING SERVICES DEPARTMENT AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. A NOTICE OF COMMENCEMENT IS EFFECTIVE FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF RECORDING, UNLESS A DIFFERENT DATE IS SPECIFIED. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT. [F.S. 713.135(6)(a)]

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies or federal agencies. [2007 FBC 105.3.3]

Asbestos Notification Statement: It shall be the owner's or operator's responsibility to comply with the provisions of Section 469.003, Florida Statutes, and to notify the Department of Environmental Protection of his or her intentions to remove asbestos, when applicable, in accordance with state and federal law. [2007 FBC 105.9; F.S. 469.003]

If one or more previously unidentified artifacts or human skeletal or fossilized remains or non-human vertebrate fossils are found on the property during development or other site-disturbing activity, all development or disruptive activity directly over the potential find shall immediately cease. Before any further development or disruptive activity continues, the Village shall be notified of the potential find and the procedures pursuant to the Islamorada Code of Ordinances shall apply. [VC Sec. 30-1699]

PROPERTY OWNER:

Signature: _____
Print Name: _____
Date: _____

NOTARY PUBLIC:

STATE OF _____, COUNTY OF _____
Sworn to and subscribed before me this ____ day of _____,
20__, by _____ (name of person making statement).
Signature: _____
 Personally Known Produced Identification
Type of ID Produced: _____
Notary Seal:

CONTRACTOR OR AUTHORIZED AGENT:

Signature: _____
Print Name: _____
Date: _____

NOTARY PUBLIC:

STATE OF _____, COUNTY OF _____
Sworn to and subscribed before me this ____ day of _____,
20__, by _____ (name of person making statement).
Signature: _____
 Personally Known Produced Identification
Type of ID Produced: _____
Notary Seal:

APPLICATION APPROVED BY:

GERALD E. ALBERTSON, CBO/CFM, BUILDING OFFICIAL

DATE

DEVELOPMENT. Pursuant to Chapter 9J-1, F.A.C., this permit shall not take effect or be acted upon until forty-five (45) days after rendition to the Florida Department of Community Affairs, unless a later date is specified, and the effectiveness of this permit shall be stayed by the filing of a notice of appeal pursuant to Section 380.07, Florida Statutes.

NOT DEVELOPMENT (EXEMPT)

Construction Information

Construction Information

There are two characteristics of plumbing for vacuum sewer collection that differ from a conventional gravity system:

- The system pipe will be exposed to a partial vacuum condition and consequently must be piped with heavy wall, pressure rated pipe. 4-inch diameter Schedule 40 PVC water pipe (ASTM D1785) is typically rated for 200 psi at 70 degrees, and is commonly available at hardware and building supply stores. Schedule 40 PVC is the preferred pipe to use. Schedule 40 PVC may also be marked DWV (Drain-Waste-Vent) as it is common indoor sewer pipe. Several other types of sewer rated pipes with good crush resistance characteristics were tried elsewhere and were found to collapse when used in a vacuum system, and therefore will not be accepted. See the Figures below and detail included in this package for an overall view of the connection between the home and central sewer system.
- A vacuum sewer collection system requires that each home sewer connection have an air intake vent pipe (vacuum vent) to quickly admit the volume of air that is required to carry liquid and solid waste out of the vacuum pit sump and through the collection system. **Figures 1 and 3** below and the **Phase I and II Connection Detail** show a vacuum vent in the recommended “candy cane” configuration. This auxiliary vent is in addition to the normal venting of the building’s plumbing and is located on the building sewer between the building drain (where the sewer pipe leaves the building) and the sewer lateral connection point (the pipe at the street, leading to the central sewer system). The vacuum vent is necessary to allow air into the system. This prevents unusually high suction on the building’s plumbing which could empty the P Traps. Without any air intake, it is possible to collapse the vacuum pit sump. The vacuum sewer requires at least 4-inch diameter nominal pipe size from the vacuum vent to the sewer lateral even if the plumbing code would allow a 3-inch diameter building sewer for a gravity system.

Achieving Drainage Slope

Building sewer piping must slope away from the building at a minimum of a 1% slope (1/8-inch per foot or 1-foot drop in a 100-foot run). For instance, if the distance between the home connection and the central sewer connection point is 200-feet, the central sewer connection point should be a minimum of 2-foot lower than the home connection point. The sewer connection point is expected to be between 30 inches and 72 inches deep. The homeowner should verify this depth prior to laying out the piping system, and ensure that this minimum slope is provided to prevent system problems.

Trenching, Excavation and Backfill

When trenching, over excavate to allow room for some bedding material such as sand or fine gravel. The bedding is easily adjusted to the correct slope with a shimmed level. Laying the pipe on the prepared bedding will result in fast achievement of the correct slope and even support for the pipe. When planning

for the alignment that will most efficiently pipe your building sewer to the sewer collection system lateral, keep in mind that there are Florida Plumbing Code requirements for separation between your sewer service pipe and your potable water line. Backfill the trench and compact each layer in 6-inch increments using appropriate fill material that is rock and debris free.

Connection at the Street

Each stub-out to the property line has been located with a painted green 2' x 4' piece of wood or with a painted green 4" PVC test pipe that has been capped at the lateral connection point near the right of way. In the event the Village's sewer lateral has been covered at the connection point by new asphalt, pavers or concrete; a green painted arrow and offset will be located at the edge of pavement near the right of way denoting the connection point. All laterals and connection points are shown on the Record Drawings by station number and invert elevation. The station numbers are no longer available in the field but the Record drawings are detailed with enough references to locate the connection stub-out. The Record Drawings are available for review at the Village's Utility Department. The stub-out pipe at the connection point will be SDR 35 6-inch inner diameter (6.275-inch OD) or 4-inch inner diameter (4.215-inch OD) pipe with a push-on gasketed slip cap at the end. This cap shall be removed at the time of connection. Many of the stub-outs are connected to a gravity test pipe. This test pipe may be used by the Contractor as a cleanout or vent stack location, if applicable, or it shall be cut and capped if it can not be used. **Remember that this connection must be made by a licensed plumber.**

A gasketed adapter coupling or reducer will be required to connect between the SDR 35 pipe that has been installed by the Village's construction contractor and the new Schedule 40 PVC 4-inch inner diameter pipe (4.500-inch OD) home or building sewer pipe. When making the connection to the central sewer system, be careful not to pull the existing pipe apart from fittings at the vacuum canister. The connection from the building sewer to the sewer lateral **must not** be made with any connector utilizing stainless steel bands. It has been the experience in similar environments that stainless steel bands do not withstand anaerobic saltwater exposure. After the connection is made, call the Village Building Services Division to inform them that the connection is complete.

Cleanouts, Bends and Fittings

Use only Schedule 40 PVC pipe and fittings. Use cleaner, primer and slow set heavy-bodied gray cement or gasketed fittings for all connections. If cement is used, the joint must be kept dry in accordance with the manufacturer's recommendations for proper curing. A gasketed fitting is required at the connection point between the Village's system and the home or building sewer line, as described in the paragraph above.

A cleanout must be installed at the lateral connection (at the road right-of-way). A cleanout is also required for every 100 linear feet of piping and at every change of direction of greater than 45 degrees. If there is more than one change of direction, a cleanout is required every 40 feet. Situate your cleanouts so that there is a minimum of 18 inches clearance for working room. The cleanout at the lateral connection must be easily accessible for maintenance. The cleanout at the lateral connection and all cleanouts in or

near the right-of-way shall be heavy traffic bearing rated (see the Phase I and II Connection Detail). Broken cleanout plugs are a common cause of vacuum valve damage or sticking. It is possible to combine your vent and cleanout in one unit. See **Figure 2** for a combined vent and cleanout configuration. Particularly on long building sewers, it may prove useful to employ this same configuration to provide an additional line cleanout. A cleanout must also be installed at the building drain connection no further than 5' from the building. This can be achieved through the installation of the required backflow prevention valve specified in the attached connection detail and brochure described below. The valve also functions as a cleanout.

Two small bends with a stub between will allow flow more easily than one bend that changes direction with one fitting. A long radius bend is preferred. Review your proposed configuration and any difficult situations with the Building Inspector before construction to better assure approval of the work.

The Vacuum Vent

The vacuum vent must be configured to prevent rain entry and screened to prevent the entry of animals or foreign objects. **Figure 1** and **Figure 2** on the following page show acceptable vent configurations. A prefabricated screen may be available from your local hardware store. Use a large, coarse weave stiff stainless steel mesh screen and secure it tightly. The vent intake height required by the Village shall be a minimum of 4 feet above the surrounding ground.

The Plumbing Code requires that sewer vents be located at least 10 feet from openings such as doors and windows. If this appears to be an issue, please talk to the Building Services Division about vent placement and get approval before construction. The vent must also be located where it will not create a nuisance or be subject to damage. It is preferable that the vent be located directly over the building sewer pipe, but it may be off set to locate it beside a fence or wall or in some other inconspicuous or protected location. This can be accomplished by connecting the vent piping to a wye on the building sewer that is angled up 45 degrees, then through a bend (**Figure 3**) to level out to a minimum 1% slope (1/8-inch rise per foot run) uphill to the vacuum vent stack (candy cane). **Figure 4** shows a mock-up of a building sewer configured in this manner. There is a limit to how far from the sewer piping the vent may be placed. The path of least resistance for air intake must be through the vent rather than through the home's interior plumbing system. It is recommended that the vent pipe be located as close to the vacuum chamber (property line) as possible to ensure proper operation. At minimum, the vent pipe shall be located no further than 20' from the lateral connection point and/or cleanout installed at the property line. The Village Building Services Division will review placement during the permitting process.

The vacuum vent should be supported by a sturdy structure such as a well implanted 4" x 4" pressure treated timber or a house wall. The vent pipe should be constructed of ultra-violet resistant PVC or be protected from ultra-violet solar radiation that would make the plastic brittle. Plants, shrubs and general landscaping may help to hide the vent pipe and/or make the area more aesthetically pleasing.



Figure 1
Basic Vacuum Vent



Figure 2
Vacuum Vent with Cleanout



Figure 3
Vent Branch Connection



Figure 4
Mock-up of Building Sewer Piping for a Vacuum Collection System

Testing

To test the building sewer piping system, tightly close all openings except the highest opening in the system, and fill with water. There is no valve in the vacuum chamber or in the lateral piping installed by the Village that can be used to seal the pipe at that end. The seal should be made by inserting an inflatable test plug into the cleanout and placing it as close as possible to the vacuum chamber. The system is to be tested with at least a 5-foot head of water. This can be accomplished by installing the vent pipe 5-feet high temporarily. Keep water in the system for at least 15 minutes before the inspection starts. No water loss should occur in the system. After the system has passed the test, the vent can be cut to the desired height.

Backflow Prevention Valve

The installation of a backflow prevention valve is required. The type of valve required by the Village is the Mainline Adapt-A-Valve Model ML4XP or Spears Model # AHC DMH; please refer to the attached brochure. This valve doubles as a cleanout and should be installed within five feet of the building. An extension should be installed, as shown in the attached Adapt-A-Valve brochure and connection detail, for access. The valve should be installed in the normally closed position.

Warning!

It is **imperative** that debris (e.g. rocks, sand) not be allowed to enter the building sewer or lateral piping during the connection process! If this occurs, very serious and expensive damage can result to the collection system. Problems with the sanitary sewer due to debris in the system may not be obvious immediately. **Please notify the Village promptly if groundwater does enter the pit piping so remedial action can be taken.**

Mainline Backwater Valve Brochure

Detailed Description

"Adapt-a-Valve"

Inspection Chamber / Sewer Line Cleanout / Backwater valve

The combination Mainline "Adapt-a-Valve" Inspection Chamber / Sewer Cleanout / Backwater valve is truly a break through in technology and is quickly setting a New Standard across North America.

Physical Properties

The Inspection Chamber / Sewer Cleanout is a 4-inch fitting with a 6-inch riser. Along with the 6-inch riser and directional flow shape found at the bottom of the Chamber / Cleanout, sewer cleaning cables and city flushing equipment have no problem traveling in and out of the Chamber / Cleanout.

The Chamber / Cleanout has integrally molded guide slots in the body which allow the fitting to be converted at any time to a backwater valve by simply adding from the list of the accessories available, should the need arise!

Accessories

"Adapt-a-Valve" backflow accessories are truly what excel this Inspection Chamber / Cleanout light years ahead of its time. The

1. "Test-Eze" gate for the Isolation of the sewer system
2. "Normally-closed" cassette (swing check)
3. "Normally-open" cassette which maintains the free circulation air from the plumbing system to the city sewer system.

These optional accessories give the fitting the versatility that no other fitting has! (*Details Yellow Brochure*)

Design / Engineering

Reliability

In the engineering of the Mainline "Adapt-a-Valve" Inspection Chamber / Cleanout reliability was placed at the forefront.

We know that backwater valves are mechanical devices and require maintenance/cleaning to work effectively. They are products which are generally never maintained and are out of site - out of mind therefore the failure rate is high because they are only maintained or serviced after failure.

Because they sit in a sewage environment with little or no maintenance, Mainline's engineering staff knew that they needed to design a fitting that promoted "self cleaning".

The "self cleaning" action was achieved 3-ways!

1. The 1 1/2 "step through design gives the valve the grade that no other valve has, ensuring that no solids will build up in the valve body.
2. Using the valve in the "Normally- open" configuration allows this grade to continue through the body and offers zero flow restriction.
3. Utilizing the valve with the "Normally-closed" Cassette / Gate (swing check) we used a light weight gate with a lubricous shinny face that would not collect with sewage and restrict the flow.

In studying industry standard backwater valves (swing check) we found three common design flaws with every valve on the market:

#1. Every manufacturer has the seal on the gate, whether through the use of an o-ring or the use of a solid rubber gate. The problem with this is that because sewage has to push this gate open sewage easily collects and adheres to the o-ring or rubber gate.

#2. Some manufacturers use a heavy gate design with rubber gates and have a living hinge for the swinging motion. This heavy gate can cause flow restriction and can attribute to solids building up on the gate making them ineffective during sewer back-up occurrences.

#3. All manufactures have minimal drops ¼" through the valve bodies with little or no grade built through the body.

The result of these three design flaws means that sewage hits a heavy gate and slows right down, sewage collects on gate sealing surface and sewage stops with the minimal grade through the body. Stopped or slowed sewage will rest and settle at the bottom of the valve. All three of these flaws are common denominators to a high maintenance valve.

In the designing of "Adapt-a-Valve's" "Normally-closed" Cassette / Gate (swing check) the approach was simple: avoid the three contributing factors to valve failure. Because "Adapt-a-Valve" uses a cassette style cartridge, the seal is on the cassette not on the gate. The gate has a shiny lubricous face where sewage does not collect. "Adapt-a-Valve" utilizes a gate so light that one can literally 'blow' it open. Result? Next to no flow restriction. "Adapt-a-Valve" has a 1¾" drop through the body which means ample grade through the body. This ensures that no sewage will remain in the valve body.

The advantage is that you have the very best in valve design when maintenance is of a concern. The step through design does limit "Adapt-a-Valve" to new construction and retrofits are allowed only when replacing the entire line to make up the inlet to outlet differences.

Test-Eze Gate (Isolation Valve)

The insertion of the Test-Eze Gate allows the isolation of the "Adapt-a-Valve" Inspection Chamber / Cleanout. Isolation gates are used for closing off of the sewer system for flushing of city mains, servicing of sewer lines, abandonment of premises, disconnection due to non-payment of utilities, isolation of seasonal properties / hurricanes / etc., diversion valves for septic fields and for contractors pressure testing of plumbing systems upstream of the Inspection chamber / cleanout. A very versatile accessory!

Extendable Feature "EASY ACCESS"

Being because backwater valves are mechanical devices and require access for maintenance, plumbing codes state any backwater valve deeper than 24" requires them to be installed in vaults or manholes. The "Adapt-a-Valve's" 'extendable features' allow the body to be extended with standard DWV pipe and the cassette to be extended with standard ¾" PVC pipe. By extending the body and cassette the backwater valve feature can easily be removed or inserted from the top of the valve body opening this allows for easy servicing at any depth, eliminating the need for expensive vaults or manholes.

Summary

By installing the "Adapt-a-Valve" Inspection Chambers / Sewer line Cleanouts / Backwater Valves municipalities North America wide will have at their disposal the very best in technology. A municipality would have a "quick fix" solution with "Adapt-a-Valve's" exceptional backflow protection options should a municipality ever experience a problem with sewer backups in any lateral. These backflow options would protect the lateral from backup thus saving the building from thousands of dollars in damage that could result in potential claims against the municipality.



EXTERIOR
BACKWATER VALVE
INSTALLATION

**NO
EXPENSIVE
VAULT
REQUIRED**

MAINLINE ADAPT - A - VALVE

EXTENDABLE BACKWATER VALVE

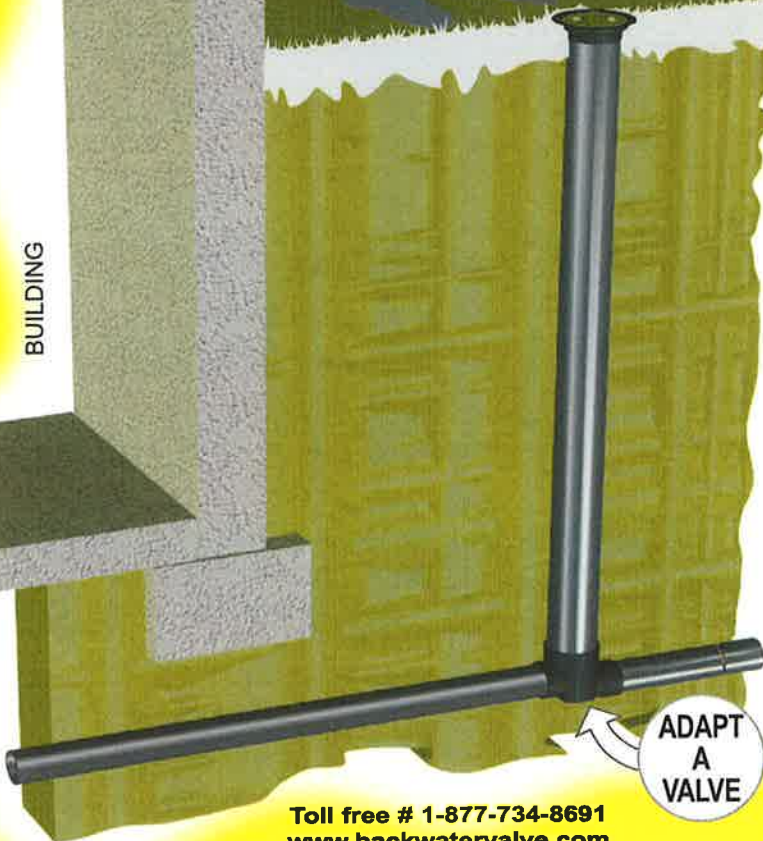
**COST EFFECTIVE
EXTERIOR / INTERIOR
INSTALLATION**

**GROUND LEVEL
ACCESS**



← (Extendable
with Standard
3/4" PVC Pipe)

BUILDING



ADAPT
A
VALVE



ADAPT
A
VALVE

← ML-3XA (3" ABS)
(Extendable with
Standard 4" DWV)

← ML-4XA (4" ABS)
(Extendable with
Standard 6" DWV)

Available
in PVC

MAINLINE

BACKFLOW PRODUCTS

www.backwatervalve.com

12530-128 Street, Edmonton
Alberta, Canada T5L 1C8

Toll free # 1-877-734-8691
www.backwatervalve.com

MAINLINE ADAPT - A - VALVE EXTENDABLE BACKWATER VALVE



EXTENDABLE CASSETTE
ALLOWS
RETRIEVAL
OF CASSETTE

PVC 3/4-inch pipe
* Not included

CASSETTE
EXTENSION
ADAPTOR

LISTED COMPONENTS

- Cassette + Extension Adapter
- Backwater Gate
- Air gate component
- Extension Body + Extension Collar
- Cleanout Lid



GIVES YOU
CHOICE
BETWEEN



Part # 3GATFL01
or 4GATFL01

NORMALLY - CLOSED BWV

- Installed with gate in hanging position
- Light weight gate construction
- No Air-Gate
- Double hinge design
- O-ring seal



NORMALLY - OPEN BWV

- Installed with gate in horizontal position
- Air-Gate floats gate to closed position on Reversal Flow
- No flow restriction
- Air-flow not restricted
- Self-cleaning action
- O-ring seal



Air-Gate and components snaps to bottom of gate for buoyancy

OR



CLEANOUT LID (Optional)
MAY BE INSTALLED ON
ADAPT-A-VALVE BODY
OR EXTENSION COLLAR

EXTENSION COLLAR (Optional)
FOR GROUND LEVEL OR
FLOOR LEVEL ACCESS

*Extension Collar available
only on 3" models

ML-3XA (3" ABS)
(Extendable with
Standard 4" DWV)

ML-4XA (4" ABS)
(Extendable with
Standard 6" DWV)

*DWV pipe not included

VALVE
EXTENSION HUB

Available Models:

ML-3XA (3" ABS) / ML-3XP (3" PVC)
ML-4XA (4" ABS) / ML-4XP (4" PVC)

DISTRIBUTED BY:

Emergency Contact Information



ISLAMORADA, VILLAGE OF ISLANDS

SEWER EMERGENCY PHONE NUMBER

305-359-0813

In order to better serve residents, Islamorada provides a local telephone number to ensure prompt communication for operations and maintenance concerns for the Plantation Key Wastewater Treatment Plant. The phone number is 305-359-0813.

The emergency representative contacted at 305-359-0813 will utilize a calling list to contact the most readily available wastewater maintenance representative. The maintenance representative will then respond directly to the resident. The goal is a return call to every homeowner in 30 minutes or less for all sewer emergencies.

For non-emergency sewer questions, residents are asked to call Islamorada Village Hall at 305-664-6455.

For questions about an FCAA bill, residents are asked to call 305-853-1999.