District Engineer's Report

for

Residential Community Drainage System

St Lucie West Services District

May, 2012

Prepared By:

ARCADIS US, Inc.

2081 Vista Parkway, Suite 200

West Palm Beach, Florida 33411

INTRODUCTION

Development of the 4614 acres that comprises the St Lucie West Services District began in 1987 by the Thomas J. White Development Company with the District itself being formed in 1989. Development of the property has been ongoing for twenty five years with the majority of the storm drainage system being constructed by individual developers as their projects were being constructed.

Once the District was formed, a Policies and Procedures Manual was adopted by the Board and all developers were required to submit their plans to the District for review. The procedure was established to assure that the finished utility and drainage systems would eventually form a complete system that would operate effectively. The policy, as interpreted by the District over the years, has been that any pipe installed as a pond to pond interconnect, or any pipe installed from a wetland control structure, would become the maintenance responsibility of the District. All other yard drains, roof drains or street to pond drainage lines would remain the responsibility of the homeowners association (HOA) for the individual communities.

Now that the community and the District have matured, and buildout of the residential communities is near, various homeowner associations have approached the Board of Supervisors and requested that the entire drainage system be accepted by the District for maintenance. Over a year ago, the Board authorized staff to expend the time necessary to prepare an evaluation of all drainage lines within the residential communities. The work was done and a report was presented to the Board at the October 4, 2011 meeting. A copy of staff's evaluation and condition report are included as EXHIBITS 2 & 3 and were used as the basis of this report.

The purpose of this report is to independently review and evaluate the findings in the staff report, prepare an engineer's estimate of required maintenance and repair costs, and to make recommendations with respect to costs that may be incurred as a result of assuming responsibility for the residential drainage system in its' entirety. For clarity purposes, it is important that the reader understand that rear yard drains or roof drains, not specifically supporting street drainage, have not been incorporated in this review.

The area included in this report is comprised of twenty one residential communities constructed from 1987 through 2012. The majority of the communities, with the exception of Outdoor Resorts recreational vehicle resort, are located in the Southwest, Southeast, and Northeast sections of the District. EXHIBIT 1, included in this report, shows the names, locations, and date each community received its' SFWMD permit for construction.

Exhibit 1 shows that permitting for the residential communities that were evaluated began in 1988 and continued through 2002. Some of the communities are built-out,

while others are still completing housing units. However, all street and drainage improvements are complete.

As is the case for all larger projects, it is expected that there will be differences in the design and material aspects from the earliest projects to the more recent. The most notable difference noted was the use of poly vinyl chloride (PVC) large diameter, smooth wall drainage pipe in some of the earlier developments. Later in the development of the project there is a noticeable shift to a predominate use of reinforced concrete pipe (RCP) with corrugated aluminum pipe (CAP) sections used for the last extension of pipe into a pond. The use of CAP pipe at the pond eliminates the need for concrete headwalls to support the heavier concrete pipe and allows the pipes to be extended through the bank, minimizing the chance of blockage should erosion occur at the outfall location.

The Florida Department of Transportation (FDOT) publishes a Drainage Manual that includes guidance on the selection of material types to be used for drainage facility construction. The manual is geared to the construction of public highway systems and sets criteria for the suggested Design Service Life (DSL) for each type of culvert pipe based on the roadway facility's classification as Major or Minor. The definition for a Major or Minor roadway is based on traffic projections and other factors such as the culvert pipe's location within the roadway. Based on the FDOT definitions, all subdivision roadways would be classified as minor facilities and such should use pipe with a minimum design service life of 50 years.

The manual that was published by FDOT in March of 1987 indicates that all three types of pipe materials used for construction of the drainage system (PVC, RCP, & CAP) could be expected to have a DSL of 100 years for minor facilities. The most current edition of the FDOT Drainage Manual published in February of 2012, shows an expected DSL of 100 years for RCP and CAP. The expected DSL for PVC is 100 years provided that the material used meets the latest ASTM F949 specification. All other PVC pipe has a DSL of 50 years. Since the PVC pipe installed in St Lucie West was manufactured under ASTM F794 specifications, the DSL under today's criteria would be 50 years.

The manual takes into account the types of soils and chemical characteristics that are likely to affect DSL such as acidity and resistivity. A review of the Soil Conservation Service publication for soils of St Lucie County indicated that the pipe types used within St Lucie West are all suitable for use. TABLE 6-1 taken from the latest FDOT drainage manual is included as EXHIBIT 4 for your reference.

STORM DRAINAGE INVENTORY

This report will focus on the conditions observed within the limits of the residential communities and will not include any roof drains, rear yard drains, landscape berm/wall drains, or any drainage facilities on public roadways adjacent to the community limits.

The" District Staff Evaluation of Homeowner Underground Strom Water Infrastructure" presented at the October 4, 2011 Board meeting was used as the basis of this report. All staff observations were noted and a full review of the underwater video images was done to confirm staff findings and to develop potential means for maintenance or repair.

To assist the Board in its' review, the following listing shows the community name and approximate linear footage of drainage pipe based on design plans on file with the District. The listing also identifies material type, and length of pipe that is the responsibility of the Homeowners Associations and the District based on the current policy as stated earlier in this report.

Maintenance Responsibility	**HOA**		**District**	
Material Type	**PVC**	**RCP**	**PVC**	**RCP**
Country Club Estates	12,660		9,776	
Fairway Isles	418		1,177	
Sanctuary	26	173	331	171
Country Club Pointe	1,423		1,443	168
Hampton	431			
Presidential Cove	1,793		1,600	
Lake Charles		18,550		7,399
Heatherwood	1,808		4,319	
Vineyards		5,518		2,397
Lake Forest		10,903		8,209
Lake Forest Point		3,105		2,023
Kings Isle		14,790		5,202
Magnolia Lakes		7,824		3,039
Cascades		14,844		9,842
The Lakes		3,321		1,169
Sun Terrace		1,142		1,522
Westbrook Isles	404		130	
Enclave* HDPE Pipe	2,388			880
Belmont		4,190		
The Club		1,913		613
Outdoor Resorts		2,818		4,089
Sub-Total	**21,351**	**89,091**	**18,776**	**46,723**
Total	**110,442**		**65,499**	

As can be seen from the table above, the various homeowners associations are currently responsible for 110,442 linear feet of piping and the District is responsible for 65,499 linear feet.

EXHIBIT 3 of this report is a listing from the Staff report identifying all observations that were made during video inspection of the pipes. The information contained in the condition report includes location code, street address, pipe size, condition, direction of flow, and whether any deficiencies were observed in either the pipe, or structures at each location. Where an issue regarding cleaning or repair outside the scope of the initial investigation occurred, a notation was made. In some cases the pipe was too small, or did not have enough water to use the underwater camera. In other cases, physical obstructions or debris prohibiting the video machine to pass was encountered. The listing has been color coded to indicate whether the issue exists in an HOA (red) or District (blue) pipe using the District's current policy interpretation.

MAINTENANCE & REPAIR

During the preparation of this report, ARCADIS contacted several contractors and venders regarding potential methods and costs for the maintenance/repair of pipes and structures that were identified in the staff report using both conventional and trenchless technologies. Two presentations on means, methods, and costs centered on trenchless pipe repair were held at our office with members of District staff in attendance. The costs discussed later in this report will be based on the method of maintenance/repair that has been chosen for each pipe.

The various procedures are as follows:

- Heavy Cleaning – This method, and the costs associated with it, usually involves the insertion of an underwater diver into the pipe to inspect and clear debris other than settlement followed by removal of remaining siltation using a vacuum truck. There are several locations in the pipe inventory notes that would indicate this type of procedure would be necessary.

- Dig and Replace – This method involves the physical excavation and removal of damaged pipe and re-installation using new materials. This method can prove to be cost effective in undeveloped areas but can be quite expensive and disruptive to residents depending on the location of the repair. The advantage afforded by this method is that the original diameter is maintained and no reduction in efficiency would occur. This method could prove cost effective for outfall pipes at the edge of a retention pond and does not have any negative impact due to pipe diameter reduction.

- Structure Repair – Grouting used to seal pipes into the structure and to set the inlet tops can become brittle over time. The common method used to address structures where it is suspected that grout is failing is to apply a new grout "mud" to the cracked area from inside the structure. This method can be used both above and below water so it is not always necessary that the pipe be taken out of service for the repair.

  If left unattended, a crack can allow fines within the surrounding backfill to be transported by groundwater into the structure. Over time, the area adjacent to the structure can develop into a depression causing settlement in a yard or pavement area.

- HDPE Lining – This method involves slipping a new pipe made of high density polyethylene into the larger pipe and grouting the annular space between the old and new pipe. There is an impact to the effectiveness of the system resulting from the reduction on pipe diameter but can sometimes be overcome by the increased hydraulic efficiency of the pipe itself. This is most notably true when this method is used for repair of corrugated metal pipe. This method is commonly used at pond outfalls when the old pipe has become rusted and is in danger of structural failure.

- Spin Cast Concrete – This method involves the thorough cleaning of a damaged line followed by insertion of a spray machine into the damaged pipe. The pipe must be clean and dry during this operation so accommodations to maintain drainage flows must be made during this procedure. The machine is pulled through the pipe while spraying a new layer of concrete onto the sides of the pipe creating a new concrete pipe inside the old pipe. The lining material is then hand trowelled to a smooth texture to enhance the hydraulic characteristics of the pipe.

  The thickness of the layer applied is designed based on the pipe loads. This method reduces the inside diameter of the pipe but avoids the cost and disruption of the "dig and replace" procedure. As was the case with the HDPE lining, some of the efficiency lost from reducing the diameter may be gained though the hydraulic efficiency of the concrete surface, depending on the type of pipe this method is used on.

  Based on discussions with the manufacturer's representative and several contractors, and the need to have a worker inside the pipe, it appears that this method would not be as cost effective as others unless pipe sizes are fairly large.

- Cured in Place Liner – As was the case with spin cast lining, the pipe to be repaired should be thoroughly cleaned. This method involves the use of a resin impregnated soft liner material that is inverted and pushed into the damaged pipe using water pressure. The pressure causes the liner to expand and make contact with the host pipe's inner wall. Heat is then applied to the liner material which activates the resin causing the material to harden along the walls of the damaged pipe. The end result is very similar to the spin casting described above but can be done both above and below water and without the need to have a worker inside the pipe.

- Internal Pipe Seal – When damage to a pipe or leakage of a single joint can be localized to a specific area or joint and the pipe is otherwise in good condition, the use of an internal pipe-joint seal can be considered. One such seal presented by Miller Pipeline Corporation is trademarked as a "WEKO-SEAL". The seal is manufactured for a specific diameter pipe from 16" through 216" using a rubber material with stainless steel expanding bands. A worker accesses the pipe from inside a structure, finds the area to be repaired, and inserts the seal. He then expands the bands to hold the seal in place. Since a worker is required to be inside the pipe, the minimum pipe size is 18".

  The seal is relatively thin, at approximately 1/2", and only impacts the pipe's hydraulic efficiency for a short distance. The best use of this type of repair would be in areas where a single point of damage to a pipe or a separating joint of pipe was observed.

- Chemical Grout – This method can be used to seal holes or joints from the outside. The damaged pipe location is determined by the use of a tethered underwater camera or diver. Once the damaged area has been located using distance from a structure, the location above the pipe is accessed and injection probes are inserted. The chemical grout is injected through the probes under pressure and in most cases evidence of the grout can be seen entering the pipe through the damaged area. The grout hardens and creates a seal to eliminate infiltration of fines. Excess grout that enters the line can be trimmed from the inside provided access to the pipe is not limited by size.

  This method does not significantly impair the hydraulic capacity of the line and could be considered as a viable option for smaller size pipes.

Based on the descriptions included in the staff report and our review of the video from each line identified as needing attention, one or more methods of maintenance/repair was chosen and a cost was assigned to each. This report includes a cost for heavy cleaning in instances where the staff report identified a pipe with sufficient debris to

preclude video surveillance. Heavy cleaning was priced using unit price information from a contractor who supplies vacuum truck services and includes the cost of a commercial diver for one day on each line.

Projected costs for maintenance/repair are identified in EXHIBIT 5 of this report and are summarized by community. The costs are further broken down based on who would be responsible for maintenance under the District's current interpretation. Although all costs are categorized based on ownership of the pipe itself, it should be noted that some of the outfall pipes currently shown as HOA may have sustained damage as a result of District efforts to remove aquatic vegetation from the pond.

Based on the information contained in this report, the engineering estimate to maintain or repair noted deficiencies in pipes that were inspected, and to clean debris from pipes that were not able to be viewed is $279,045. The estimate can be further broken down to $234,415 for pipes currently under HOA maintenance, and $44,630 for pipes currently under District maintenance responsibility.

CONCLUSIONS & RECOMMENDATIONS

The following conclusions and recommendations are based on review of the staff report, video footage taken over the course of inspection, field review of conditions, records on file, knowledge of the overall drainage system and District operations.

FINDINGS:

- The overall drainage system is in substantially good condition.
- All pipe used in construction meet FDOT criteria for material type and expected service life.
- A significant amount of cost included in this report is associated with damage to outfall pipes.
- The age of community or type of pipe is not necessarily the determining factor in the cost of maintenance/repair needed at this point in time.

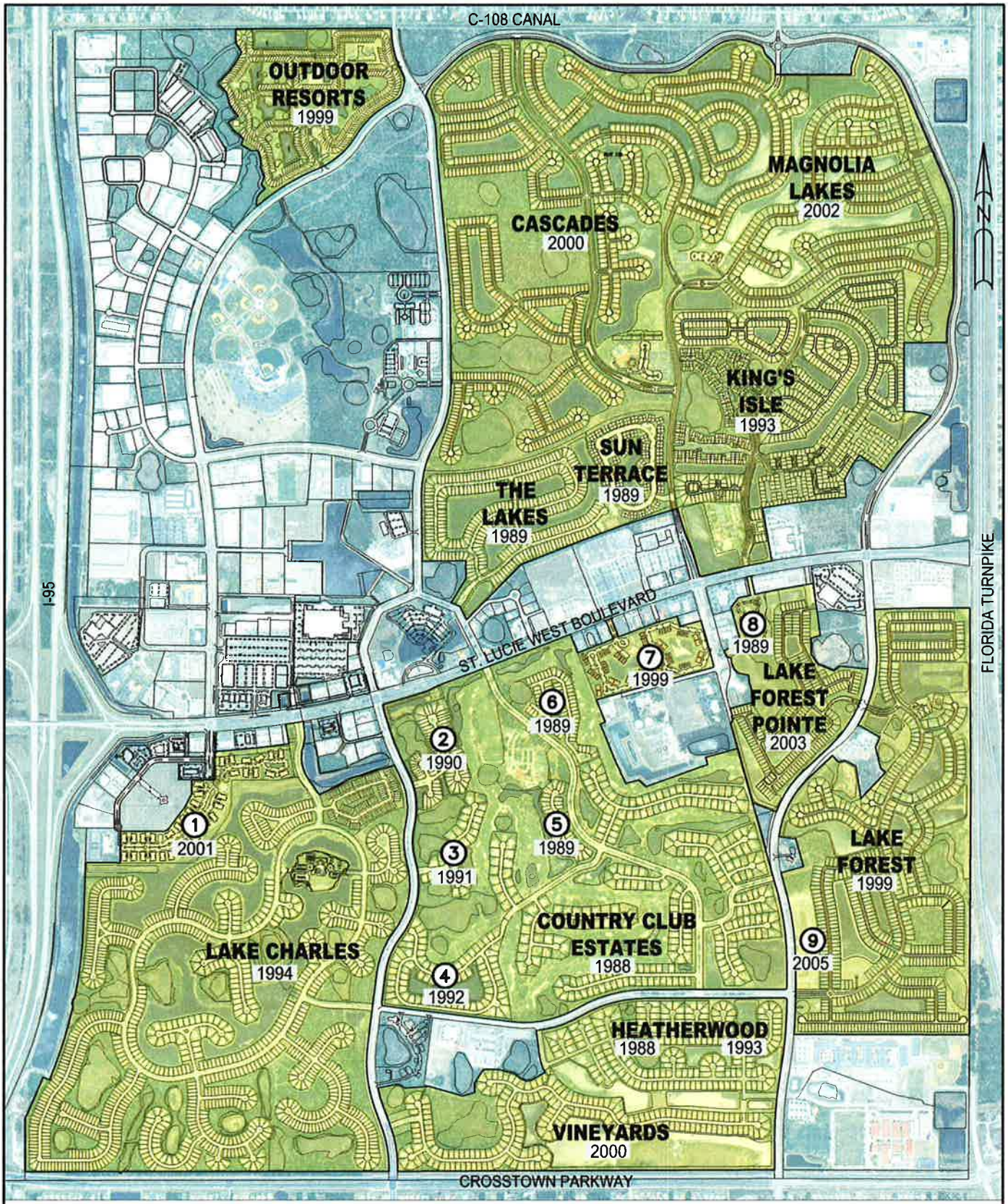
RECOMMENDATIONS:

- All outfall pipes into ponds should be marked with some type of visible marker such as PVC pipe to minimize the change of damage from aquatic weed removal activity.
- Should the District Board wish to consider accepting maintenance responsibility for all residential drainage, a review and maintenance schedule similar to the one used on District pipes should be established to detect deteriorating conditions in time to minimize repair cost. The staff report suggests a 3 year rotation which seems appropriate.

- Consideration of the potential need for additional staff should be included in the Board's review of the HOA request for takeover of the HOA drainage system.
- Should additional maintenance responsibility be accepted, the reasonable life expectancy for the equipment utilized to inspect and clean the lines will be reduced. Therefore, consideration should be given to replacement of this equipment earlier than would otherwise be necessary.
- The District should establish a budget for maintenance of drainage pipe and structures within the system based on the total length of pipe that it ultimately accepts.
- Should maintenance responsibility extend to pipes and structures currently under the control of the HOA, some formal transfer of ownership or agreement for maintenance should be considered.

EXHIBIT 1

Residential Community Location Map



1. BELMONT
2. FAIRWAY ISLES
3. SANCTUARY
4. COUNTRY CLUB POINTE
5. HAMPTON
6. PRESIDENTIAL COVE
7. THE CLUB
8. WESTBROOK ISLES
9. ENCLAVE

ARCADIS
ARCADIS U.S., INC.
2081 Vista Parkway
West Palm Beach, Florida 33411
Tel: (561) 697-7000 Fax: (561) 697-7751
www.arcadis-us.com
EB 7917/ LB 7062

SHEET TITLE

ST. LUCIE WEST
DRAINAGE STUDY

PROJECT MANAGER RWL	LEAD DESIGN PROF. BEJ	CHECKED BY RWL
DEPARTMENT MANAGER RWL	TASK/PHASE NUMBER	DRAWN BY BEJ
SCALE N.T.S.	PROJECT NUMBER WF003600	DRAWING NUMBER EXHIBIT–1
DATE 2/16/2012		

EXHIBIT 2

District Staff Evaluation Report

ST LUCIE WEST
SERVICES DISTRICT

District Staff Evaluation

Of

Homeowner Association
Underground Storm Water Infrastructure
St. Lucie West

Prepared by:
St. Lucie West Services District Public Works Staff
450 SW Utility Dr.
Port St. Lucie Florida 34986

July 30th 2011

Acknowledgement

Efforts of the St. Lucie West Services District Administrative, Operations Staff and Consultants listed below were instrumental in researching and assembling the information used to prepare this report.

Dennis Pickle, District Manager
William Hayden, Public Works Director/ Assistant District Manager
James Mobley, Public Works Superintendant
Maddie Maldonado, Office Manager
Lorrie Bush, Aquatics Manager
Serge Davidian, Lead Spray Tech
Gerard Rouse, Exotic Plant Removal Foreman
Ray Bouknight, Spray Tech
Dominick Kopalakis, Spray Tech
Jon Cade, Vac-con Operator
Kyle Parish, Vac-con Operator
Bob Lawson, District Engineer

Special Acknowledgment

Special thanks to the St. Lucie West Services Public Works Staff District for their assistance in accommodating the needs of this study.

July 30, 2011

Mr. Harvey Cutler
District Chairman
St. Lucie West services District
450 SW Utility Dr.
Port St. Lucie Fl 34986

RE: ***Evaluation of the H.O.A Storm Water Infrastructure***

Dear Mr. Cutler,

Staff is pleased to present our evaluation of the underground storm water infrastructure system related to all Homeowner Associations within St. Lucie West. Research used to prepare this evaluation was performed at the Board's direction and is intended to provide information the St. Lucie West Services District Board of Supervisors as to the general condition of the storm water system. Upon the Board's review of this information, it may be necessary to authorize a full scale engineering report to determine what repairs are required, the cost of those repairs, and how they will be paid for prior to the District making a decision with respect to taking over the H.O.A. owned portion of the system.

This study is based upon physical inspections and the use of an underwater Micro Submersible Camera (Video- Ray) system over the course of one year. By no means is this brief report intended to substitute for a Certified Engineering Report.

Site visits to each H.O.A placed specific emphasis on various aspects of the storm water infrastructure system including all lake to lake runs of pipe, all street to lake runs, and any runs of pipe associated with wetland overflow structures. The investigation included a review of the following components of the storm water system.

- Concrete structure integrity below and above water level, observation of road depressions if present, cracks or holes in concrete, and all brick work associated with the structure.
- Pipe integrity, type of pipe, holes or cracks, separation of joints, crushed pipe, and the amount of sedimentation in pipe.
- Percentages of debris or sedimentation in pipe, estimated time necessary to clean pipe, direction and layout of pipe, and longitude and latitude of every structure for future GIS entry.

Country Club Estates

Includes:

- Hamptons
- Country Club Pointe
- Presidential Cove
- Fairway Isles
- Sanctuary

Basins- 2B, 2B1, 2B1A, 2B2, 2B3 and 2B4, Total Acreage 519.2

The original section of Country Club Estates began construction in 1987 making it the oldest community within St. Lucie West. To date, it is built out with the exception of a few remaining lots. The smaller subdivisions were completed and built out during the 1990's and have approximately five to seven lots remaining.

Country Club Estates and its smaller subdivisions were inspected between April 20th, 2010 and June 14th, 2010. There are 146 street to lake concrete structures within the communities with 99.9% of the structures inspected below the water being in good to fair shape. Above the water line two structures were noted as having depressed asphalt around the top and in the street, this is usually a sign of a problem with the integrity of the brick work or a crack in the structure. Two other structures were observed having cracks on both sides of the structures.

Inspections indicate that there are two types of pipe in the Communities with the vast majority being green plastic, large diameter, poly vinyl chloride (PVC) pipe which was in wide use at the time. The remaining small quantity, approximately one percent, was found to be reinforced concrete (RCP) pipe. Pipe diameters vary in size from 15 inch up to 42 inch with the most common being 18-24 inch. Three pipes were noted as having minor to moderate joint separation, one pipe was inspected and found to be crushed and has since been repaired by the H.O.A. Three other pipes that outfall into lakes were found to have been either crushed or torn at the end at the point of discharge into the lake.

Sedimentation within the pipes varied from one percent, up to eighty percent blocked. The most common sedimentation noted was sand with occasional muck and algae, tree leaves, and some aquatic vegetation.

Of the 146 structures within the communities, it was determined that 27 of the structures, and the pipes connecting to them, needed to be cleaned. A total of eight cubic yards of material was removed from those structures and pipes.

Staff recommendations;

- Installation of "cure in place" lining for the three pipe joints exhibiting joint separation
- Repair all holes or cracks in structures using hydraulic cement
- Replace end pipes that are crushed or torn going into lakes with aluminum corrugated pipe

- Establish a three year rotation schedule for cleaning, video inspections and maintenance of all storm water pipes in the communities
- Set up an R&R fund for any future repairs that would be required.

Heatherwood

Basins- 1C, 1D Total Acreage 210.52.

The Heatherwood Development began construction in 1991 making it the second oldest community within St. Lucie West. To date, it is built out with no residential lots remaining. There are a total of 25 street to lake concrete structures within the community and all are in good shape with the exception of one structure with a hole at the top of the box. Above the water line another structure was inspected and determined to need brick and concrete repairs just below the top.

Inspections indicate that there are two types of pipe in the Community with the vast majority being green plastic, large diameter, poly vinyl chloride (PVC) pipe which was in wide use at the time. The remaining small quantity, approximately .5 percent, was found to be reinforced concrete (RCP) pipe. Pipe diameters vary in size from 15 inch up to 42 inch with the most common being 15-24 inch. These pipes were noted as not having any deficiencies other than minor debris inside the pipes where they discharge into the Lakes.

Sedimentation within the pipes varied from five percent, up to forty percent blockage. The most common sedimentation noted was sand with occasional muck and algae, tree leaves, and some aquatic vegetation

Of the 25 structures within the Community, it was determined that 8 of the structures, and the pipes connecting to them, needed to be cleaned. A total of 2 cubic yards of material was removed from those structures and pipes.

Staff recommendations;

- Repair all holes or cracks in structures using hydraulic cement
- Establish a three year rotation schedule for cleaning, video inspection and maintenance of all storm water pipes and structures within the community
- Set up an R&R fund for any future repairs that would be required.

Kings Isle

Includes the following Smaller Isles

Madeira
Capri
Granada

Lombardy
San Marino
Tuscany
Venice

Basin- 4E, Total Acreage 332.98

The fifty five or older Community of Kings Isle began construction in the early 1990's making it one of the oldest communities within St. Lucie West. To date, it is built with no residential lots remaining. There are a total of 110 street to lake concrete structures within the community and all are in good shape with the exception of two structures that have minor cracks within them.. Above the water line two structures were noted as needing brick and mud work done to repair risers that support the steel man hole lids. Majority of structures within Kings Isle are the center of road D.O.T. type structures. Structures located on Kings Isle Boulevard are the hood and grate type.

Inspections indicate that there are two types of pipe in the Communities with the vast majority being Reinforce Concrete Pipe (RCP) pipe which was in wide use at the time. The remaining small quantity, approximately one percent is the green plastic poly vinyl chloride. Pipe diameters vary in size from 15 inch up to 42 inch with the most common being 24-36 inch. Three pipes were noted as having minor cracks, one pipe that was inspected needed brick work that connects the pipe to the structure repaired, one pipe that outfalls into a lake was crushed at the end at the point of discharge into the lake and one pipe had a large root growing into it.

Sedimentation within the pipes varied from five percent, up to eighty percent blockage. The most common sedimentation noted was sand with occasional muck and algae, tree leaves, and some aquatic vegetation. Roots were also not in one pipe.

Of the 110 structures within the Community, it was determined that 22 of the structures, and the pipes connecting to them, needed to be cleaned. A total of 7 cubic yards of material was removed from those structures and pipes.

Staff recommendations;

- Repair all holes or cracks in structures using hydraulic cement
- .Repair brick work top of structure
- Establish a three year rotation schedule for cleaning, video inspection and maintenance of all storm water pipes and structures within the communities

- Set up an R&R fund for any future repairs that would be required

Lake Charles

Basin- N1, Total Acreage 801.22

Lake Charles was built in the mid 90's and completed early in 2001. It consists of approximately 1,000 single family units and 100 multifamily units. There are no residential lots remaining. The storm water retention ponds are owned by the Master Association, but are maintained by the St. Lucie West Services District because it is part of the overall master drainage system. There are a total of 78 street to lake concrete structures within the community and all are in good shape. Above the water line within the structures no deficiencies were seen during the inspection.

Inspection indicate that there are two types of storm water pipe being utilized within the community, reinforce concrete pipe (RCP) and galvanized metal pipe for outfalls into the retention ponds. Pipe sizes range from 18inch to 36 inch with the two most common being 18 inch and 24 inch. Pipe inspections were noted as not having any deficiencies.

Sedimentation varied from two percent up to eighty percent. Most common was sand sedimentation but aquatic vegetation was found to be in a large amount of the pipes which indicates lack of maintenance.

Of the 78 structures within Lake Charles it was determined that 16 of them needed to be cleaned. A total of four cubic yards of material was removed from the 16 structures.

Staff recommendations;

- Establish a three year rotation schedule for cleaning, video inspections and maintenance of all storm water pipes and structures in the community.
- Set up a R&R fund for any future repairs that would be required.

The Lakes

Basin- 4D, Total Acreage 198.6

A Devosta built community built in the 1990's the Lakes consists of single family and multifamily units for a total of 308 units. To date the subdivision is built out with no remaining lots. There are 23 street to lake concrete structures within the community and the majorities are in good shape with the exception of three that were noted as having cracks in the concrete box. One structure was partially blocked with pieces of concrete.

Pipe inspections indicate that there are two types of pipe within the community, RCP & ADS. Pipe diameters range from 16 inch to 42 inch with the majority being 16 inch and 36 inch. One pipe was noted as having a crack in it with ground settling around it indicating a leak. Another pipe was noted with a crack in it with no leak evident. A third pipe was inspected and noted as having roots of a tree growing into the pipe. Above the water line two structures were noted as needing concrete repair work around the tops of the structures and one structure needed mortar work. One other structure was determined to need major concrete work due to a tree intruding in to the structure.

Sedimentation within the pipes ranged from two percent to forty percent, the majority of sedimentation being sand.

Of the 23 structures within the community it was determined that five of the structures and pipes connecting them needed to be cleaned. A total of 1.5 cubic yards of material was removed from those structures and pipes.

Staff Recommendations;

- Repair all cracks within the structures using hydraulic cement.
- Repair Cracked pipes with cure in place lining
- Establish a three year rotation for cleaning, video inspection and maintenance of all storm water pipes and structures within the community.
- Set up an R&R fund for any future repairs that would be needed.

Lake Forest

Basin- 3B, 2C, Total Acreage 484.30

A development built by Kennedy Homes, Lake Forest began construction in the late 1990's and was completed in the early 2,000's. To date it is completely built out with no residential lots remaining. The entire development is made up of single family homes. There are approximately 106 street to lake structures and pipes within the community. All are in good shape with the exception of three boxes that were noted as having cracked mortar work where the pipes attach to the concrete boxes. One other structure was found to have a multitude of excess bricks at the bottom of the structure. Above the water line it was observed as two of the structures had stress cracks in the mortar work, two structures had exposed brick work and one top of a structure had a sever crack in it.

Video inspections indicate that all of the storm water pipe within Lake Forrest is reinforced concrete pipe. (RCP) Pipe diameters are from eighteen inch to forty two inches with the two most common being 18 – 24 inch pipe. The vast majority of the pipe that was inspected was in good shape with the exception of one pipe with a crack in it, another with a hole at a joint and one pipe that had a small hole at the invert.

Sedimentation and debris within the pipe varied from 5% to 65% blockage with the majority being sand although there were 15 pipes that were noted as having copious amounts of tape grass in them.

Of the 106 street lake structures and pipes 22 of the structures and pipes needed to be cleaned. A total of 5 cubic yard of material was removed from those structures and pipes.

Staff Recommendations;

- Repair all holes and cracks within structures using hydraulic cement.
- Depending on the severity and integrity of the pipes repairs can range from hydraulic cement to cure in place lining of the pipes.

- Establish a three year rotation schedule for cleaning, video inspection, and maintenance schedule for structures and pipes within the community.
- Set up an R&R fund for any future repairs that would be required.

Sun Terrace

Basin 4D, Total Acreage 48.20

Another part of the Divosta project associated with the Lakes Subdivision, all of Sun Terrace is made up of multifamily units (quads). To date it is built out with no remaining residential lots. There are a total of 14 street to lake concrete structures within the community and all are in good shape with the exception of one structure. Above the water line one structure was determined to have some cracks in the mortar work that elevates the manhole ring. A second structure was noted as having asphalt depressions around the top of the structure denoting leakage or sand intrusion.

Inspections indicate that there are two types of storm water pipe within the community. The majority being reinforced concrete pipe (RCP) and a few outfall pipes being the green poly vinyl chloride (PVC) pipe. Pipe diameters vary in size from sixteen inch to forty two inch and the most common size being twenty four inch pipe.

Sedimentation varied from two percent and up to twenty five percent blockages with sand being the most notable sedimentation. Out of the fourteen structures and pipes associated with them it was determined that only four structures and pipes needed to be cleaned. A total of 1 cubic yard of material was removed.

Staff recommendations;

- Repair all holes or cracks inside of structure using hydraulic cement.
- Repair mud work with hydraulic cement
- Establish a three year rotation for cleaning and maintenance of all storm water structures and pipes within the community
- Set up an R&R fund for ant future repairs that would be required

Lake Forrest Point

Basin 3B Total Acreage 196

The second planned community built by Kennedy Homes, Lake Forrest Point was finished around 2005, making it the second to last community built in St. Lucie West. To date it is built out with no remaining residential lots left. There are 43 street to lake concrete structures within the community and all of the structures are in good shape. Above the water line no deficiencies noted within any of the structures.

Inspections confirm that all of the storm water pipe used in the community is reinforced concrete pipe (RCP). Pipe diameters vary in size from 18 inch to 36 inch with the majority being24 inch and 36 inch. Pipe was found to be in good condition with no deficiencies other than minor sedimentation inside of the pipes.

Sedimentation was found to be from 5 percent to 35 percent blockage with the most common being sand along with some minor aquatic vegetation.

Of the 43 Structures within the community it was determined that 9 of the catch basins and associated pipes needed to be cleaned. A total of 6 cubic yards of debris was removed from the structures and pipe.

Staff recommendations;

- Establish a three year rotation schedule for cleaning and Maintenance of all storm water pipes and concrete structures within the community.
- Set up an R&R fund for any future repairs that would be required.

Vineyards

Basins – 1B, 1D. Total Acreage 142.6

The Vineyards Development began construction in 1999 and was completed in 2004. It is a Hanover Home Development. To date it is built out with no remaining lots left. There are a total of twenty concrete structures within the community. No deficiencies were noted upon inspection inside the structures below the water line. Above the water line currently being inspected.

Visual inspections indicate that there are two types of storm water pipe being utilized within the Vineyards community, reinforced concrete pipe (RCP) and corrugated aluminum being used at the outfalls into the lakes. Diameters are from 18 inch to 36 inch pipe with the majority being 24 inch and 36 inch. Visual inspections also indicated that one pipe had a crack near one joint and another pipe had a crack near the top of the pipe.

Sedimentation within the pipes varied from 2 percent up to 100 percent. Most common being sand and aquatic vegetation. A rubber gasket was also noted as obstructing one pipe as well.

Of the 20 structures and associating pipes within the community it was determined that three of the catch basins and pipes need to be cleaned, with a total of 2 cubic yards of material that was removed from the structures and pipes.

Staff recommendations;

- Cure in place lining for pipes that were cracked
- Establish a three year rotation schedule for cleaning and maintenance of all storm water pipes and structures in the community
- Set up an R&R fund for any future repairs that would be required.

Out Door Resorts

Basin 7B-2 Acreage 84

An Outdoor Resorts of America Community that caters to full time and part time Motor Coach owners. Construction began in the late 1990's and the first phase was completed in 2001, second phase was completed in 2006 and third phase has yet to be started.
There are a total of fifty street to lake concrete structures within the community and all are in satisfactory to good shape. Above the water line currently being inspected.

Visual inspections indicate that there are two types of pipe within the resort community 99 percent being RCP and the other 1 % being Plastic ADS pipe. Pipe diameters vary from18 inch to 42 inch pipe and the two most common being 18 inch and 24 inch pipe. One pipe was noted as having a seal separation and another pipe was found to have a soft plug (bricked) at the end.

Sedimentation within the pipes varied from 5 percent to 50 percent blockage and the most common sedimentation being sand.

Of the fifty structures and associated pipe it was determined that 5 structures and pipes needed to be cleaned. A total of 3 cubic yards of material were remove from those five structures and pipes.

Staff Recommendations;

- Cure in place slip line pipe with seal separation
- Remove soft plug from pipe
- Establish a three year rotation schedule for cleaning and maintenance of all storm water structures and pipes within the community.
- Set up an R&R fund for any future repairs that may be required.

The Club

Basin 3A Total Acreage 30.5

The Club originally built as condominiums and later converted to rental units was completed in 2007. It is completely built out with no remaining parcels or land to build on.
There are 26 street to lake concrete storm water structures within the community and all are in good shape, with no deficiencies noted. Above the water line currently being inspected.

Pipe inspections indicate that the only type of storm water pipe being utilized within the community is RCP. Pipe diameters vary from 18 inch to 36 inch and the two most common being18 and 24 inch.

Sedimentation within the pipes varies from 5 percent to 50 percent, the most common sedimentation being sand and aquatic vegetation.

Of the 26 street to lake structures and associated pipes it was determined that seven of the structures and pipes were in need of cleaning. A total of 4 cubic yards of material were removed from the structures and pipes.

Staff recommendations;

- Establish a three year rotation Schedule for cleaning and maintenance of all the storm water structures and pipes within the community.
- Set up an R&R fund for any future repairs that may be required.

The Belmont

Basin N1 Total acreage 28.9

Originally built as condominiums in the early 2,000's and the second phase being completed in 2005, there are a total of 144 units within the 36 building. Today all phases are complete with no parcel's remaining. There are a total of 20 street to lake concrete catch basin and all are in good shape. Above the water line currently being inspected.

Inspections indicate that only reinforced concrete pipe was used for conveyance of storm water within the community. Pipe diameters are from 18 inch to 36 inch with the most common being 24 inch pipe. Two pipe were noted as having obstructions in them. One being a partial obstruction and the other being a soft plug (brick) with 100 percent blockage.

Sedimentation was minimal with percentages at 5 percent for the low end of the scale and 25 percent for the upper end. The most common sedimentation was found to be sand.

Of the 20 structures within the community 2 were cleaned with a total of less than 1 cubic yard removed from the structures and associated pipes.

Staff recommendations;

- Remove soft plug with in pipe
- Establish a three year schedule for cleaning and maintenance of all structures and storm water pipes within the community.
- Set up an R&R fund for any future repairs that may be needed.

Magnolia Lakes

Basin 5 Total Acreage 258.15

Magnolia Lakes is the second Levitt and Sons Community of single family homes built in St. Lucie West. The project was started in 2001 and completed in 2005. To date it is built out with no remaining lots left. There are a total of 84 street to lake concrete structures within the community and all are in good shape. Above the water line currently being inspected.

Pipe inspections indicate that maintenance and infiltration of sand, dirt and construction material observed in the structures and pipes was excessive. Prevention by the original contractor should have been more closely monitored and infiltration cloths installed and monitored as well on all structure grates. Four storm water outfall pipes were noted as being partially collapsed within the lakes. The majority of all the storm water pipe within Magnolia Lakes is reinforced concrete pipe with the outfall pipes being corrugated metal. Pipe sizes range from 18 inch to 24 inch with the majority being 24 inch.

Sedimentation and construction debris within the pipes and structures varied from 5 percent up to 60 percent. Most common being sand and dirt, but also noted was copious amounts of block and bricks.

Of the 84 structures and associated pipe work within the community a total of 52 structures and pipe work needed to be cleaned. A total of 7 cubic yards of material was removed from the structures and connecting pipe work.

Staff recommendations;

- Repair four collapsed outfall pipes
- Establish a three year rotation schedule for maintenance and cleaning of all storm water structures and storm water pipes.
- Set up an R&R fund for any future repairs that would be required.

Cascades

Basins 6A, 6B Total Acreage 520.77

The first development of Levitt and Sons the Cascades was started in the year 2000 and completed in 2005. It is made up of all single family homes and to date there are no remaining lots left. There are 194 street to lake concrete storm water structures located within the community and all are in good condition. Above the water line currently being inspected.

Pipe inspections indicate that maintenance and infiltration of sand, dirt and construction material observed in the structures and pipes was excessive. Prevention by the original contractor should have been more closely monitored and infiltration cloths installed and monitored as well on all structure grates. Three storm water outfall pipes were noted as being partially collapsed within the lakes. The majority of all the storm water pipe within Cascades is reinforced concrete pipe with the outfall pipes being corrugated metal. Pipe sizes range from 16 inch to 36 inch with the majority being 24 inch pipe. All of the 16 inch pipe were not able to be inspected because of size constraints of the Video-Ray Unit.

Sedimentation and construction debris within the pipes and structures varied from 5 percent up to 75 percent. Most common being sand and dirt, and aquatic vegetation, but also noted was copious amounts of block and bricks with some other construction material, blocking as much as 50 percent of the pipe.

Of the 194 structures and associated pipe work within the community a total of 46 structures and pipe work needed to be cleaned. A total of 10 cubic yards of material was removed structures and connecting pipe work.

Staff recommendations;

- Repair three collapsed outfall pipes
- Establish a three year rotation schedule for maintenance and cleaning of all storm water structures and storm water pipes.
- Set up an R&R fund for any future repairs that would be required.

Westbrook Isles

Basin 3B Total Acreage 5.2

Westbrook Isles was completed in the 1996; it was the first multifamily units within St. Lucie West. To date two phases have been completed with one phase still remaining to be built on. There are a total of five street to lake concrete structures within the community. All five of the structures were inspected and found to be in satisfactory condition. Above the water line currently being inspected.

Pipe Inspections indicate that all of the storm water pipe being utilized in the community is ADS green plastic pipe. Pipe Diameters vary from 18 inch to 36 inch with the most common being 18 inch. Only deficiency noted in any of the pipe works was a soft plug (brick) near the clubhouse grate.

Sedimentation within the pipes varied from 5 percent to 50 percent blockage and the most common sedimentation being sand.

Of the 5 structures located within Westbrook Isles it was determined that only 2 were in need of cleaning. A total of 1 cubic yard of material was remove from the structures and associated pipes.

Staff recommendations;

- Establish a 3 year rotation schedule for maintenance and cleaning of all Concrete structures and connecting pipes in the community
- Set up and R&R fund for any future repairs that may be needed

Enclave

Basin 2C Total Acreage 8.2

Enclave was originally built as condominiums and now has been converted to Apartments but still has ownerships within the community. First two phases of the Enclave were completed in 2006 and the final phase of construction is currently in progress and should be finished shortly.

There are a total of 14 street to lake concrete structures within the community. All 14 of the structures were inspected and found to be in satisfactory condition. Above the water currently being inspected.

Inspections confirm that all of the storm water pipe used in the community is reinforced concrete pipe (RCP). Pipe diameters vary in size from 18 inch to 36 inch with the majority being24 inch. Pipe were found to be in satisfactory condition.

Sedimentation within the pipes varied from 5 percent to 50 percent blockage and the most common sedimentation being sand.

Of the 14 structures located within the community it was determined that a total of 5 structures and connecting pipes needed to be cleaned with approximately 1.5 cubic yard of material remove.

Re-inspections of phase II piping will need to be re- videoed after all connections are made to the new phase III structures and storm water pipes.

Staff recommendations;

- Establish a 3 year rotation schedule for maintenance and cleaning of all Concrete structures and connecting pipes in the community
- Set up and R&R fund for any future repairs that may be needed

Staff Assumptions

While the inspections were taking place with the Video-Ray Unit 1 % of the storm water pipes could not be inspected due to low retention pond elevations created by the draught.
Those pipes are currently being rescheduled to be inspected and staff will have results along with the results from the Commercial and Industrial Associations as well. Staff is also currently finishing up the above the water line inspections within the structures and will present findings with the finished report from the Commercial Association and Industrial Association Reports.

Agreements for the Commercial and Industrial Associations are currently being signed. Once the District receives those two agreements they will be schedule for inspections and cleaning.

This is not an engineering report, this is a staff report of what was noted and visually inspected during the underwater video inspections and Vac-con cleaning of the storm water infrastructure that was authorized by the District Board of Supervisors March 16th 2010.

This report is a prelude and designed to give the Board of Supervisors some insight as to whether to authorize a full engineering report prior to the District taking over the ownership and responsibilities of the street to lake storm water infrastructure from the H.O.A's.

EXHIBIT 3

District Staff Condition Report

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
CCSL0	Country Club	dr range	18"	RCP	Good	0%	E to W	good	
CCSL1	Country Club	Club house	18"	ADS	Good	0%	E to W	good	
CCSL2	Country Club	Nhampt tennis	18"	ADS	Good	0%	E to W	good	
CCSL3	Country Club	Nhampt	18"	ADS	Good	2%leaves	SW to NE	good	
CCSL4	Country Club	Shampt	18"	ADS	Good	25%debris	SW to NE	good	
CCSL5	Country Club	1st Mockingbird	18"	ADS	Good	45%sand	N to S	good	
CCSL6	Country Club	2nd Mockingbird	42"	ADS	Good	3% sand	S to N	good	
CCSL7	Country Club	649 Palmetto	18"	ADS	Good	struc 60%	e to w	unkinown	
CCSL8	Country Club	629 Palmetto	18"	ADS	Good	2%	w to e	good	
CCSL9	Country Club	626 Palmetto	18"	ADS	good	0%	w to e und road	pipecrushed	
CCSL10	Country Club	626 Palmetto	18"	ADS	good	1%	e tow	good	
CCSL11	Country Club	650 Palmetto Cove	18"	ADS	good	60% debris	w to e	unknown	
CCSL12	Country Club	1738 Mockincirc	18"	ADS	good	80% muck	nw to se	unknown	currrent
CCSL13	Country Club	1724 Mockincirc	18"	ADS	good	0 to 25%	se to nw	good	
CCSL14	Country Club	1724 Mockincirc	18"	ADS	good	0%	nw to und road	good	
CCSL15	Country Club	1718 Mockincirc	18"	ADS	Good	5% sand	s to n	good	
CCSL16	Country Club	1718 Mockincirc	18"	ADS	Good	2% debris	n to s und road	good	
CCSL17	Country Club	1706 Mockincirc	18"	ADS	Good	60% debris	w to e	good	CCSL17b
CCSL18	Country Club	1706 Mockincirc	18"	ADS	Good	0%	e to w	good	
CCSL19	Country Club	1703 mockincirc	18"	ADS	Good	0%	e to w	good	
CCSL20	Country Club	nw sideofpond#9	24"	ADS	Good	0%	E to W	good	
CCSL21	Country Club	1719 Mockincirc	18"	ADS	Good	1%	Ne to SW	Good	
CCSL22	Country Club	NE sideofpond#9	24"	ADS	Good	0%	nw to se	good	
CCSL23	Country Club	1549 Mockincirc	30"	RCP	Good	5% sand	e to w	good	
CCSL24	Country Club	1549 Mockincirc	30"	ADS	Good	1% sand	w to e und road	good	
CCSL25	Country Club	1546 Mockincirc	30"	ADS	Good	2% sand	w to e	good	
CCSL26	Country Club	1536 Mockincirc	18"	ADS	good no video	1%	s to n und road	? To shallow	
CCSL27	Country Club	1536 Mockincirc	18"	ADS	Good	1%leaves	s to n	good	
CCSL28	Country Club	1522 Mockincirc	18"	ADS	good	20% muck	s to n und road	good	
CCSL29	Country Club	1522 Mockincirc	18"	ADS	good	0-15%sand	s to n	bad at lake end	obstru thru pipe
CCSL30	Country Club	1523 Mockincirc	18"	ADS	Good	5% sand	se to nw road	good	
CCSL31	Country Club	1512 Mockincirc	24"	ADS	Good	1%	se to nw to lk	good	
CCSL32	Country Club	1512 Mockincirc	18"	ADS	Good	1%	sw to ne und road	good	
CCSL33	Country Club	1515 Mockincirc	30"	ADS	Good	2 - 5%	sw to ne	good	
CCSL34	Country Club	1507 Mockincirc	30"	ADS	Good	10% sand	sw to ne	good	
CCSL35	Country Club	1507 Mockincirc	30"	ADS	good	5% sand	se to nw under road	good	
CCSL36	Country Club	1504 Mockincirc	30"	ADS	good	5% sand	e to w to lake	1st joint lakeside	
CCSL37	Country Club	1738 Mockincirc	18"	ADS	good	5% sand	nw to se	good	

St. Lucie West - Condition Report									
CCSL38	Country Club	Mock/Palm/across649	18"	ADS	Good	40%sand	se to ne under road	good	
CCSL39	Country Club	Mock/Palm/across649	18"	ADS	good	5%sand	se to nw under road	good	
CCSL40	Country Club	760 sw Palmetto Cove	18"	ADS	good	1%sand	w to e und road	good	
CCSL41	Country Club	755sw Palmetto Cove	18"	ADS	good	1%sand	w to E to	good	
CCSL42	Country Club	1418sw Osprey Cove	18"	ADS	good	0%	n to s	good	
CCSL43	Country Club	1418sw Osprey Cove	18"	ADS	good	0%	s to n und road	break at end	break in pipe
CCSL44	Country Club	1418sw Osprey Cove	18"	ADS	good	0%	s to n	good	
CCSL45	Country Club	1434 SW Osprey Cove	18"	ADS	good	0%	n to s	good	
CCSL46	Country Club	1434 SW Osprey Cove	18"	ADS	good	0%	s to n	good	
CCSL47	Country Club	1429sw Osprey Cove	18"	ADS	good	40%debris	s to n	unknown@	
CCSL48	Country Club	s Mockingbird cartX	42"	ADS	good	15% sand	nw to se	good	
CCSL49	Country Club	s Mockingbird cartX	42"	ADS	good	2%sand	se to nw under road	good	
CCSL50	Country Club	Lake17Mockinbird	18"	ADS	good	20% sand	n to s	good dirty	
CCSL51	Country Club	CCblvd S of Cottonwd	30"	ADS	new(NDW)	0%	w to e	unknown@	NO VIDEO
CCSL52	Country Club	1312 Cottonwood	30"	ADS	to much debris	unknown	w to e	unknown@	
CCSL53	Country Club	1312 Cottonwood	24"	ADS	unknown (NWD	unknown	nw to se under road	unknown@	
CCSL54	Country Club	1312Cottonwood	24"	ADS	Good	30% debris	nw to se	good	
CCSL55	Country Club	1335 Cottonwood	18'	ADS	good	15% sand	se to nw	good	
CCSL56	Country Club	1199 Live Oak Cove	24"	ADS	good	2% debris	n to s	good cloudy	
CCSL57	Country Club	1199 Live Oak Cove	18"	ADS	to much debris	unknown	e to wunder road	unknown@	
CCSL58	Country Club	1210 Live Oak Cove	18"	ADS	good	10% sand	ne to sw	good	
CCSL59	Country Club	CCblvd last stop sign s	24"	ADS	good	0%	e to w	good	
CCSL60	Country Club	CCblvd last stop sign s	24"	ADS	good	0%	w to e under road	good	
CCSL61	Country Club	CC blvd at Cedar Cove	36"	ADS	good	15%	e to w to lake 11	good	
CCSL62	Country Club	CC blvd at Cedar Cove	36"	ADS	good	10%	w to e under road	good	
CCSL63	Country Club	CC blvd at cedar Cove	36"	ADS	good	10%-15%	w to e to lake 13	good	
CCSL64	Country Club	N of lake13 flamingodr	36"	ADS	good	5%	n to s to lake 13	good	
CCSL65	Country Club	N of lake13 flamingodr	36"	ADS	good	0%	s to n und road	good	
CCSL66	Country Club	flamingodr 2nd grate	18"	ADS	good	5%	nw to se	good	
CCSL67	Country Club	x1184Mirrorlakecove	18"	ADS	good	0%-5%	sw to ne	good	
CCSL68	Country Club	x1184Mirrorlakecove	18"	ADS	good	35%-50%	sw to ne	good	
CCSL69	Country Club	1159 swMirrorlakecove	18"	ADS	good	0%	se to nw	good	
CCSL70	Country Club	1176 swMirrorlakecove	18"	ADS	good	10%	nw to se under road	good	
CCSL71	Country Club	Flamingodr 2nd gratew	18"	ADS	unknown	unknown	nw to se	unknown@	
CCSL72	Country Club	CCblvdxcottwoodlk15	30"	ADS	good	15%	sw to ne	good	
CCSL73	Country Club	CCblvdxcottwoodlk15	30"	ADS	good	10%	Ne to SW	good	
CCSL74	Country Club	1302 Bent Pine Cove	18"	ADS	good	15%	n to s	good	
CCSL75	Country Club	1302 Bent Pine Cove	18"	ADS	good	5%	s to n under road	good	
CCSL76	Country Club	1295 Bent Pine Cove	18"	ADS	good	50%	s to n	good	
CCSL77	Country Club	1252 Bent Pine Cove	18"	ADS	good	10%	n to s	good	break lake end
CCSL78	Country Club	1252 Bent Pine Cove	18"	ADS	good	25%	s to n under road	good	
CCSL79	Country Club	1192 Bent Pine Cove	24"	ADS	good	0%	n to s	good	

St. Lucie West - Condition Report									
CCSL80	Country Club	1192 Bent Pine Cove	24"	ADS	good	10% shells	s to n under road	good	
CCSL81	Country Club	1195 Bent Pine Cove	24"	ADS	good	25%-40%	s to n	good	
CCSL82	Country Club	1355 Bent Pine Cove	18"	ADS	good	25%algae	sw to ne	good	
CCSL83	Country Club	1355 Bent Pine Cove	18"	ADS	good	5%	ne to SW underroad	good	
CCSL84	Country Club	1362 Bent Pine Cove	18"	ADS	good	10%	ne to sw	good	
CCSL85	Country Club	1395 Bent Pine Cove	16"	ADS	good	30%	se to nw	unknown 16"	
CCSL86	Country Club	CCBlvd.nofmockbird	18"	ADS	good	20%	ne to sw under road	unknown@	
CCSL87	Country Club	CCBlvd.nofmockbird	18"	ADS	good	2%	sw to ne to lake	good	
CCSL88	Country Club	CCblvd.nofhampton	18"	ADS	good	10%	e to w under road	good	
CCSL89	Country Club	Ccblvdnofhamptonslk	18"	ADS	good	10%	w to e	good	
CCSL90	Country Club	CCblvdlast1bforfrontgt	18"	ADS	good	10%	se	unknown@	
CCSl91	Country Club	CCblvdlast1bforfrontgt	18"	ADS	good	5%	n to s und road	good	
CCSL92	Country Club	CCexit pastguardshack	18"	ADS	good		sw to ne und road	unknown@	no water
CCSL93	Country Club	CCexit pastguardshack	24"	ADS	good		s to n	unknown@	
CCSL94	Country Club	514 Hamptons	18"	ADS	good	5%	w to e under road	good	
CCSL95	Country Club	515 Hamptons	18"	ADS	good	15%-40%	w to e to lake	good	
CCSL96	Country Club	536 Hamptons	18"	ADS	good	2%	e to w under road	good	
CCSL97	Country Club	535 Hamptons	18"	ADS	good	0%	e to w to lake	good	
CCSL98	Country Club	338 PresCove/Jackson	16"	ADS	good		se to nw	unknown	no water
CCSL99	Country Club	Pres exit	16"	ADS	good		sw to ne	unknown	no water
CCSL100	Country Club	PCcornMonroe/Jack pl	16"	ADS	good		nw to se	unknown	no water
CCSL101	Country Club	PCcornMonroe/Jack pl	18"	ADS	good		sw to ne	unknown	no water
CCSL102	Country Club	PC entrance/Island	16"	ADS	good		nw to se	unknown	no water
CCSl103	Country Club	439 Jackson PL	16"	ADS	good		nw to se	unknown	no water
CCSL104	Country Club	450 corn sw Jackson pl	16"	ADS	good		s to n und road	unknown	no water
CCSL105	Country Club	450 corn sw Jackson pl	16"	ADS	good		w to e under road	unknown	no water
CCSL106	Country Club	450 corn sw Jackson pl	18"	ADS	good		n to s	unknown	no water
CCSL107	Country Club	444 corn sw Jackson pl	16"	ADS	good		n to s	unknown	no water
CCSL108	Country Club	451 sw Jefferson Circ	16"	ADS	good		e to w under road	unknown	no water
CCSL109	Country Club	463 Jeff Circ, round abt	18"	ADS	good		ne to sw under road	unknown	construction
CCSL110	Country Club	461 Jeff Circ, round abt	16"	ADS	good		n to s	unknown	construction
CCSL111	Country Club	461 Jeff Circ, round abt	18"	ADS	good		sw to ne und road	unknown	construction
CCSL112	Country Club	429 sw Jeff Circ	16"	ADS	good		e to w under road	unknown	no water
CCSL113	Country Club	429 sw Jeff Circ	18"	ADS	good		s to n	unknown	no water
CCSL114	Country Club	430 sw Jeff Circ	16"	ADS	good		w to e under road	unknown	no water

St. Lucie West - Condition Report									
CCSL115	Country Club	423 sw Jeff Circ/Monroe	16"	ADS	good		e to w	unknown	no water
CCSL116	Country Club	423 sw Jeff Circ/Monroe	18"	ADS	good		n to s	unknown	no water
CCSL117	Country Club	423 sw Jeff Circ/Monroe	18"	ADS	good		nw to se	unknown	no water
CCSL118	Country Club	422 sw Monre/Jeff circ	16"	ADS	good		e to w	unknown	no water
CCSL119	Country Club	422 sw Monre/Jeff circ	18"	ADS	good		se to nw	unknown	no water
CCSL120	Country Club	407 Jefferson Circ	16"	ADS	good		w to e	unknown	no water
CCSL121	Country Club	1210 sw Live Oak	18"	ADS	good	10-40%end	ne to sw	good	
CCSL122	Country Club	1199 sw Live Oak	18"	ADS	good	10%	e to w under road	good	
FWI1	Fairway Isle	corn sw Fairway lk	24"	ADS	good	20%	e to w	good	
FWI2	Fairway Isle	corn sw Fairway lk	24"	ADS	good	50%sand	s to n under road	good	
FWI3	Fairway Isle	433 sw Fairway Isle	18"	ADS	good	2%	se to nw under road	good	
FWI4	Fairway Isle	433 sw Fairway Isle	24"	ADS	good	40%sand	w to e to lake	good	
FWI5	Fairway Isle	corn FWland/FWIsle	24"	ADS	good	50%sand	s to n	good	
FWI6	Fairway Isle	corn Fwland/FWIsle	24"	ADS	good	60%sand	ne to sw to lake	good	
FWI7	Fairway Isle	corn Fwland/FWIsle	18"	ADS	good	2%	sw to ne	good	
FWI8	Fairway Isle	431 Fairway landing	24"	ADS	good	20%sand	w to e to lake	good	brick/stones
FWI9	Fairway Isle	418 sw Fairway Landing	18"	ADS	good	0%	w to e under road	good	
FWI10	Fairway Isle	413 sw Fairway landing	18"	ADS	good	0%	w to e to lake	good	
FWI11	Fairway Isle	434 sw Fairway landing	18"	ADS	good	2%	nw to se under road	break at end	seperating
FWI12	Fairway Isle	437 FWI/FW vista	18"	ADS	good	40% sand	ne to sw under road	good	
FWI13	Fairway Isle	437 FWI/FW vista	18"	ADS	good	0%	nw to se under road	good	
FWI14	Fairway Isle	438 sw FWI/FW vista	18"	ADS	good	40% sand	w to e	good	see FWI 12
SAN1	Sanctuary	x481 sw Sanctuary pl	16"	RCP	good		w to e	good	16 " pipe NF
SAN2	Sanctuary	481 sw Sancturary	18"	RCP	good	0%	w to e to lake	good	
SAN3	Sanctuary	481 sw Sancturary	16"	RCP	good	0%	n to s	good	16" pipe NF
SAN4	Sanctuary	546sw Sanctuary dr	16"	RCP	good	0%	se to nw	good	16" pipe NF
SAN5	Sanctuary	546sw Sanctuary dr	18"	RCP	good	5%	nw to se to lake	good	
SAN6	Sanctuary	x546sw Sanctuary dr	16"	RCP	good		structure only		
SAN7	Sanctuary	578 sw Sanctuary dr	36"	ADS	good	65% sand	e to w	good	end worst
SAN8	Sanctuary	578 sw Sanctuary dr	36"	ADS	good	25% sand	w to e	good	

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
LC1	Lake Charles	601 Lake Charles Cir	36"	RCP	good	2%	e to w	good	
LC1a	Lake Charles	601 Lake Charles Cir	36"	RCP	good	2%	n to s	good	
LC2	Lake Charles	564 St Kitts Cove	24"	RCP	good	2%	s to n	good	
LC2a	Lake Charles	564 St Kitts Cove	24"	RCP	good	?	e to w	?	could not fly due to no water
LC2b	Lake Charles	564 St Kitts Cove	24"	RCP	good	?	w to e	?	could not fly due to no water
LC3	Lake Charles	556 Lake Charles Cir	24"	RCP	good	10%	e to w	good	
LC3a	Lake Charles	556 Lake Charles Cir	24"	RCP	good	5%	e to w	good	
LC3b	Lake Charles	556 Lake Charles Cir	24"	RCP	good	10%	n to s	good	
LC4	Lake Charles	540 New Castle Cove	24"	RCP	good	6%	w to e	good	
LC6	Lake Charles	570 New Castle Cove	24"	RCP	good	10%	ne to sw	good	
LC7	Lake Charles	569 New Castle Cove	24"	RCP	good	10%	ne to sw	good	
LC8	Lake Charles	first grate past New Castle Cove on the right	24"	RCP	good	4%	w to e	good	
LC8a	Lake Charles	first grate past New Castle Cove on the right	24"	RCP	good	5%	ne to sw	good	
LC8b	Lake Charles	first grate past New Castle Cove on the right	24"	RCP	good	5%	ne to sw	good	
LC9	Lake Charles	1609 Harbor Isles Cir	24"	RCP	good	5%	s to n	good	
LC10	Lake Charles	1651 Harbor Isles Cir	24"	RCP	good	5%	n to s	good	
LC11	Lake Charles	413 Horseshoe Bay	36"	RCP	good	5% to 10%	s to n	good	
LC12	Lake Charles	431 Horseshoe Bay	24"	RCP	good	10%	s to n	?	there is a crack in the pipe near on of the joints I don't know if it is leaking it doesent look like it is seperating
LC13	Lake Charles	453 Horseshoe Bay	24"	RCP	good	5%	ne to sw	good	could not fly all the way to the lake due to weeds and debris in the corgated pipe
LC14	Lake Charles	739 SW Aruba Bay	24"	RCP	good	3%	n to s	good	
LC14a	Lake Charles	739 SW Aruba Bay	24"	RCP	good	5%	s to n	good	
LC14b	Lake Charles	739 SW Aruba Bay	24"	RCP	good	15%	w to e	good	
LC15	Lake Charles	679 Sw Treasure Cove	18"	RCP	good	10%	s to n	good	
LC15a	Lake Charles	679 Sw Treasure Cove	18"	RCP	good	10%	s to n	good	
LC16	Lake Charles	854 Munjack Cir	36"	RCP	good	5%	e to w	good	

St. Lucie West - Condition Report									
LC16a	Lake Charles	854 Munjack Cir	36"	RCP	good	5%	s to n	good	ran out of tether towards the end
LC16b	Lake Charles	854 Munjack Cir	36"	RCP	good	3%	n to s	good	
LC17	Lake Charles	617 Andros Cir	36"	RCP	good	5% to 10%	e to w	good	
LC17a	Lake Charles	617 Andros Cir	24"	RCP	good	5%	w to e	good	
LC18	Lake Charles	700 Great Exuma Cove	24"	RCP	good	5% to 35%	e to w	good	could not finish due to too much debris
LC18a	Lake Charles	700 Great Exuma Cove	24"	RCP	good	5%	w to e	good	
LC19	Lake Charles	718 Great Exuma Cove	24"	RCP	good	5% to 30%	s to n	good	
LC19a	Lake Charles	718 Great Exuma Cove	24"	RCP	good	5%	n to s	good	
LC20	Lake Charles	732 Great Exuma Cove	24"	RCP	good	5% to 100%	w to e	good	could not finish due to too much debris the pipe is compleatley full towards the end
LC20a	Lake Charles	732 Great Exuma Cove	24"	RCP	good	5%	e to w	good	
LC20b	Lake Charles	732 Great Exuma Cove	24"	RCP	good	2%	e to w	good	
LC21	Lake Charles	639 Andros cir	24"	RCP	good	5% to 50%	e to w	?	could not finish due to to much debris
LC21a	Lake Charles	639 Andros cir	36"	RCP	good	5%	s to n	good	
LC21b	Lake Charles	639 Andros cir	24"	RCP	good	5%	s to n	good	
LC22	Lake Charles	655 Andros cir	24"	RCP	good	25% to 65%	w to e	?	could not finish due to to much debris
LC23	Lake Charles	661 Andros Cir	24"	RCP	good	25% to 65%	s to n	?	could not finish due to to much debris
LC23a	Lake Charles	661 Andros Cir	24"	RCP	good	25% to 65%	s to n	?	could not finish due to to much debris
LC24	Lake Charles	665 Lake Charles Cir	36"	RCP	good	5%	s to n	good	
Lc24a	Lake Charles	665 Lake Charles Cir	36"	RCP	good	5%	s to n	good	
LC24b	Lake Charles	665 Lake Charles Cir	36"	RCP	good	10% to 60%	n to s	good	
LC25	Lake Charles	732 Croix Cove	18"	RCP	good	5%	e to w	good	
LC25a	Lake Charles	732 Croix Cove	18"	RCP	good	5% to ?	n to s	good	could not finish ran out of water
LC25b	Lake Charles	732 Croix Cove	18"	RCP	good	5%	w to e	good	
LC25c	Lake Charles	732 Croix Cove	24"	RCP	good	5%	w to e	good	
LC25d	Lake Charles	732 Croix Cove	24"	RCP	good	5%	n to s	good	
LC26	Lake Charles	802 Croix Cove	24"	RCP	good	5%	e to w	good	there is a crack in the pipebut it does not appear to be seaping in
LC27	Lake Charles	806 St Andrews	18"	RCP	good	2%	n to s	good	
LC27a	Lake Charles	806 St Andrews	18"	RCP	good	2%	s to n	good	
LC27b	Lake Charles	806 St Andrews	18"	RCP	good	2%	s to n	good	

St. Lucie West - Condition Report

LC28	Lake Charles	568 Lake Charles Cir	36"	RCP	good	5% to 60%	s to n	no good	dock leg coming trough near end of pipe a lot of sediment and erosion
LC29	Lake Charles	830 St Andrews	24"	RCP	good	2%	w to e	good	
LC29a	Lake Charles	830 St Andrews	24"	RCP	good	2%	w to e	good	
LC30	Lake Charles	625 Lake Charles Cir	36"	RCP	good	2% to 15%	w to e	good	
LC30a	Lake Charles	625 Lake Charles Cir	36"	RCP	good	5%	e to w	good	
LC30b	Lake Charles	625 Lake Charles Cir	36"	RCP	good	5%	e to w	good	
LC31	Lake Charles	Grate by exit sign near front gate	18"	RCP	good	5%	n to s	good	
LC32	Lake Charles	Club house grate East side	18"	RCP	good	10% to 15%	n to s	g?	couldent finish due to debris buliding up towards the lake
LC33	Lake Charles	Club house grate East side tow sign	18"	RCP	good	5%	n to s	good	
LC33a	Lake Charles	Club house grate East side tow sign	18"	RCP	good	5% to 80%	w to e	good	couldent finish due to a blockage near end of pipe
LC34	Lake Charles	1st on st Georges bay	24"	RCP	good	5%	n to s	good	
LC35	Lake Charles	832 Lake Charles Cir	24"	RCP	good+	5%	n to s	good	
LC36	Lake Charles	584 Romora Bay	18"	RCP	good	2%	w to e	good	
LC36a	Lake Charles	584 Romora Bay	18"	RCP	good	2% to 5%	w to e	good	ran out of tether near end of pipe
LC37	Lake Charles	567 Romora Bay	18"	RCP	good	2%	n to s	good	
LC37a	Lake Charles	567 Romora Bay	18"	RCP	good	2%	s to n	good	
LC38	Lake Charles	907 Lake Charles Cir	18"	RCP	good	2%	w to e	good	
LC39	Lake Charles	Grate 1 club house west side	18"	RCP	good	5%	n to s	good	
LC39a	Lake Charles	Grate 1 club house west side	18"	RCP	good	5%	n to s	good	
LC39b	Lake Charles	Grate 1 club house west side	18"	RCP	good	5%	w to e	good	
LC40	Lake Charles	2 Grate west side Clubhouse	18"	RCP	good	10% to 40%	s to n	good	couldent finish due to debris
LC40a	Lake Charles	2 Grate west side Clubhouse	18"	RCP	good	5% to 40%	w to e	good	couldent finish due to debris
LC41	Lake Charles	3 Grate west side Club house	18"	RCP	good	40% to 60%	s to n	good	couldent finish due to debris
LC41a	Lake Charles	3 Grate west side Club house	18"	RCP	good	40% to 60%	n to s	good	couldent finish due to debris
LC42	Lake Charles	first grate past clubhouse west side	24"	RCP	good	10%	w to e	good	

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
HW2	Heatherwood	410 sw Sycamore cove	24"	ADS	good	5%	w to e	good	
HW3	Heatherwood	sw Maple dr/across prk	24"	ADS	good	5%	w to e	good	
HW3 A	Heatherwood	sw Maple dr/across prk	18"	RCP	good	0%	n to s	good	
HW4	Heatherwood	Grate on Maplewood before Redwood	24"	ADS	good	10% to 20%	w to e	good	structure has a big hole at the top
HW4A	Heatherwood	Grate on Maplewood before Redwood	18"	ADS	good	5%	n to s	good	
HW5	Heatherwood	1329 Maplewood	24"	ADS	good	10% to 40%	w to e	good	
HW5a	Heatherwood	1329 Maplewood	18"	ADS	good	5%	n to s	good	
HW6	Heatherwood	1314 Maplewood	24"	ADS	good	10%	w to e	good	
HW6a	Heatherwood	1314 Maplewood	18"	ADS	good	5%	n to s	good	
HW7	Heatherwood	412 Maplewood/locuct cove	18"	ADS	good	5%	w to e	good	
HW8	Heatherwood	1282 Maplewood	24"	ADS	good	10%	w to e	good	
HW8a	Heatherwood	1282 Maplewood	24"	ADS	good	10%	n to s	good	
HW9	Heatherwood	1286 Maplewood	24"	ADS	good	5%	n to s	good	
HW10	Heatherwood	1286 Brairwood	18"	ADS	good	2%	n to s	good	
HW11	Heatherwood	1311 Brairwood	18"	ADS	good	5%	w to e	good	
HW11a	Heatherwood	1311 Brairwood	18"	ADS	good	10%	n to s	good	
HW12	Heatherwood	1310 Briarwood	24"	ADS	good	5%	n to s	good	
HW13	Heatherwood	1347 Maple/Redwood	42"	ADS	good	20%	w to e	good	
HW13a	Heatherwood	1347 Maple/Redwood	42"	ADS	good	20%	0	good	
HW14	Heatherwood	1338 Maplewood/Brairwood	42"	ADS	good	15%	s to n	good	
HW15	Heatherwood	1257 Maplewood	24"	ADS	good	10%	n to s	good	
HW15a	Heatherwood	1257 Maplewood	24"	ADS	good	10% to 60%	w to e	good	could not finisg pipe due to debris towards the lake
	Heatherwood	1338 Maplewood/Brairwood	42"	ADS	good	15%	s to n	good	
	Heatherwood	1257 Maplewood	24"	ADS	good	10%	n to s	good	

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
V 01	Vineyards	812 Grand Reserve Blvd	18" / 24"	RCP	good	0.1	n to s	good	
V 02	Vineyards	819 Grand Reserve Blvd	24"	RCP	good	0.15	n to s	good	
V 03	Vineyards	831 Vineland Court	24"	RCP	good	0.1	n to s	good	
V 03a	Vineyards	831 Vineland Court	24"	RCP	good	0.05	s to n	good	under road
V 04	Vineyards	825 Grand Reserve Blvd	24"	RCP	good	0.1	w to e	good	
V 05	Vineyards	954 Grand Reserve Blvd	16"	RCP	good		structure		16" pipe
V43	Vineyards	819 Grand Reserve Blvd	24"	RCP	good	5%	n to s	good	
V43a	Vineyards	819 Grand Reserve Blvd	36"	RCP	good	5%	w to e	good	
V44	Vineyards	829 Grand Reserve Blvd	36"	RCP	good	5%	n to s	good	
V45	Vineyards	807 St Julien Ct	36"	RCP	good	10% to 20%	n to s	good	
V45a	Vineyards	807 St Julien Ct	36"	RCP	good	10%	s to n	good	
V45b	Vineyards	807 St Julien Ct	36"	RCP	good	10%	s to n	good	looks like a crack near one of the joints
V46	Vineyards	813 St Julien Ct	18"	RCP	good	2%	s to n	good	
V46a	Vineyards	813 St Julien Ct	24"	RCP	good	5% to 40%	s to n	good	lot of debris in the middile of pipe
V47	Vineyards	863 Grand Reserve Blvd	36"	RCP	good	10%	n to s	good	crack in top of the pipe I don't know if it is leaking
V47a	Vineyards	863 Grand Reserve Blvd	36"	RCP	good	5%	s to n	good	
V47b	Vineyards	863 Grand Reserve Blvd	36"	RCP	good	5%	e to w	good	started to run out of water could not finish
V48	Vineyards	866 Piedmont ct	18"	RCP	good	5%	n to s	good	
v49	Vineyards	863 Piedmont ct	18"	RCP	good	5%	n to s	good	
V50	Vineyards	891 Grand Reserve	24"	RCP	good	5%	n to s	good	
V51	Vineyards	925 Grand Reserve	18"	RCP	good	100%	s to n	good	half way is blocked 100%
V51a	Vineyards	925 Grand Reserve	18"	RCP	good	5%	n to s	good	
V52	Vineyards	951 Grand Reserve	24"	RCP	good	0%	n to s	good	
V53	Vineyards	954 Grand Reserve	18"	RCP	good	5%	e to w	good	
V54	Vineyards	861 St. Tropez ct.	24"	RCP	good	0%	n to s	good	
V54a	Vineyards	861 St. Tropez ct.	18"	RCP	good	0%	s to n	good	obstuction in pipe like rubber

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
LF1	Lake Forest	229 Lake Forest way	24"	RCP	good	5%	w to e	good	
LF1a	Lake Forest	229 Lake Forest way	42"	RCP	good	5%	e to w	good	
LF1b	Lake Forest	229 Lake Forest way	24'	RCP	good	5%	e to w	good	
LF2	Lake Forest	380 sw North Shore Blvd	42"	RCP	good	5%	n to s	good	
LF2a	Lake Forest	380 sw North Shore Blvd	24"	RCP	good	4%	e to w	good	
LF2b	Lake Forest	380 sw North Shore Blvd	24"	RCP	good	5% to 30%	w to e	good	started to run out of water could not finish
LF3	Lake Forest	346 sw Northshore B	24"	RCP	?	15%	e to w	good	the structure has some cracks around the pipe I don't know if it is of any concern
LF3a	Lake Forest	346 sw Northshore B	24"	RCP	?	15%	w to e	good	the structure has some cracks around the pipe I don't know if it is of any concern
LF3b	Lake Forest	346 sw Northshore B	18"	RCP	?	10%	w to e	good	the same with the structure as the lase two this pipe is in the same box
LF4	Lake Forest	324 sw Northshore Blvd	18"	RCP	good	5%	s to n	good	
LF4a	Lake Forest	324 sw Northshore Blvd	24"	RCP	good	15%	n to s	good	
LF4b	Lake Forest	324 sw Northshore Blvd	24"	RCP	good	15% to 20%	n to s	good	
LF5	Lake Forest	308 sw Northshore Blvd	42"	RCP	good	25%	s to n	good	
LF5a	Lake Forest	308 sw Northshore Blvd	42"	RCP	good	25%	n to s	good	
LF5b	Lake Forest	308 sw Northshore Blvd	42"	RCP	good	25%	n to s	good	
LF6	Lake Forest	214 Lake Forest way	42"	RCP	good	25%	w to e	good	
LF6a	Lake Forest	214 Lake Forest way	42"	RCP	good	15%	e to w	good	
LF6b	Lake Forest	214 Lake Forest way	42"	RCP	good	20%	e to w	good	
LF7	Lake Forest	In front of the lake with the fountain 43	42"	RCP	good	10%	e to w	good	
LF7a	Lake Forest	In front of the lake with the fountain 43	42"	RCP	good	10%	w to e	good	
LF8b	Lake Forest	254 Lake Forest Way	16"	RCP	good	35%	e to w	good	could not fly due to too much debris
LF8	Lake Forest	254 Lake Forest Way	18"	RCP	good	20%	w to e	good	
LF8b	Lake Forest	254 Lake Forest Way	24"	RCP	good	10% to 50%	w to e	good	
LF9	Lake Forest	266 Lake Forest Way	18"	RCP	good	5%	w to e	good	
LF9a	Lake Forest	266 Lake Forest Way	42"	RCP	good	5% to 20%	w to e	good	
LF10	Lake Forest	274 Lake Forest Way	24"	RCP	good	5%	n to s	good	
LF10a	Lake Forest	274 Lake Forest Way	24"	RCP	good	5% to 10%	s to n	good	
LF11	Lake Forest	284 Lake Forest Way	24"	RCP	good	10%	w to e	good	
LF11a	Lake Forest	284 Lake Forest Way	24"	RCP	good	15%	w to e	good	
LF11b	Lake Forest	284 Lake Forest Way	24"	RCP	good	5% to 10%	n to s	good	
LF12	Lake Forest	292 Lake Forest Way	24"	RCP	good	10%	e to w	good	
LF13	Lake Forest	299 Lake Forest way	18"	RCP	good	10%	s to n	?	there is a small crack in the pipe
LF13a	Lake Forest	299 Lake Forest way	18"	RCP	good	10%	s to n	good	
LF13b	Lake Forest	299 Lake Forest way	18"	RCP	good	30% to 40%	n to s	good	
LF13c	Lake Forest	299 Lake Forest way	18"	RCP	good	20%	w to e	good	

St. Lucie West - Condition Report									
LF13d	Lake Forest	299 Lake Forest way	24"	RCP	good	10%	w to e	good	going to the lake
LF14	Lake Forest	326 Lake Forest Way	36"	RCP	good	5%	e to w	good	
LF15	Lake Forest	360 Lake Forest Way	18"	RCP	good	10%	w to e	good	
LF15a	Lake Forest	360 Lake Forest Way	18"	RCP	good	10% to 40%	w to e	good	could not finish pipe due to debris
LF15b	Lake Forest	360 Lake Forest Way	18"	RCP	?	25%	n to s	?	could not fly due to too much debris
LF16	Lake Forest	380 Lake Forest Way	36"	RCP	good	10%	s to n	good	could not finish ran out of tether but the the pipe looked really good from what we could see
LF17	Lake Forest	401 Lake Forest Way	30"	RCP	?	65%	e to w	?	could not fly due to debris in pip also in box there is alott
LF17a	Lake Forest	401 Lake Forest Way	30"	RCP	?	40%	w to e	?	could not fly due to debris in pip also in box there is alott
LF18	Lake Forest	first grate in from the back gate on the right	16"	RCP	?	20%	n to s	?	too much debris in the pipe and the box
LF18a	Lake Forest	first grate in from the back gate on the right	16"	RCP	?	35%	w to e	?	too much debris in the pipe and the box
LF19	Lake Forest	819 Rocky Bayou Terr	24"	RCP	good	10%	w to e	good	
LF19a	Lake Forest	819 Rocky Bayou Terr	24"	RCP	good	15% to 20%	w to e	good	
LF19b	Lake Forest	819 Rocky Bayou Terr	24"	RCP	good	15%	n to s	no good	there is a break in the pipe on the bottom
LF20	Lake Forest	840 Rocky Bayou Terr	18"	RCP	good	3%	s to n	good	
LF20a	Lake Forest	840 Rocky Bayou Terr	18"	RCP	good	10% to 20%	s to n	?	we could not finishthe pipe due to too much debris in the pipe
LF21	Lake Forest	860 Rocky Bayou Terr	18"	RCP	good	5%	s to n	good	
LF21a	Lake Forest	860 Rocky Bayou Terr	18"	RCP	good	5%	s to n	?	there is a hole in one of the joints I don't know if it is leaking ??
LF22	Lake Forest	891 Rocky Bayou Terr	24"	RCP	good	20%	w to e	good	
LF22a	Lake Forest	891 Rocky Bayou Terr	24"	RCP	good	25%	e to w	good	
LF23	Lake Forest	740 Rocky Bayou Terr	24"	RCP	good	20%	n to s	good	
LF23a	Lake Forest	740 Rocky Bayou Terr	24"	RCP	good	15%	e to w	good	
LF23b	Lake Forest	740 Rocky Bayou Terr	24"	RCP	good	15% to 20%	e to w	good	
LF24	Lake Forest	719 Rocky Bayou Terr	24"	RCP	good	5%	n to s	good	
LF25	Lake Forest	704 Rocky Bayou Terr	30"	RCP	good	15%	se to nw	good	
LF26	Lake Forest	550 Indian Key DR	36"	RCP	good	5%	e to w	good	
LF26a	Lake Forest	550 Indian Key DR	36"	RCP	good	5%	w to e	good	
LF27	Lake Forest	564 Indian Key Dr	36"	RCP	good	5%	e to w	good	

St. Lucie West - Condition Report									
LF27a	Lake Forest	564 Indian Key Dr	42"	RCP	good	10%	w to e	good	
LF28	Lake Forest	574 Indian Key Dr	36"	RCP	good	10% to 25%	e to w	good	
LF28a	Lake Forest	574 Indian Key Dr	36"	RCP	good	5%	w to e	good	
LF28b	Lake Forest	574 Indian Key Dr	24"	RCP	good	10%	n to s	good	
LF29	Lake Forest	578 Indian Key Dr	24"	RCP	good	10% to 15%	sw to ne	good	
LF30	Lake Forest	580 Indian Key Dr	24"	RCP	good	10%	s to n	good	
LF31	Lake Forest	590 Indian Key Dr	24"	RCP	good	10%	s to n	good	
LF32	Lake Forest	620 Indian Key Dr	24"	RCP	good	10%	e to w	good	
LF32a	Lake Forest	620 Indian Key Dr	24"	RCP	good	10% to 40%	s to n	good	couldent finish due to debris
LF33	Lake Forest	626 Indian Key Dr	24"	RCP	good	25% to 30%	e to w	?	there is a chunk of concrete in the way
LF34	Lake Forest	637 Indian Key Dr	24"	RCP	good	10% to 30%	w to e	good	this is the pipe with the concrete in the way we were able to fly it from the opposite way
LF34a	Lake Forest	637 Indian Key Dr	24"	RCP	good	5% to 25%	e to w	good	
LF35	Lake Forest	719 Myakka River Tr	24"	RCP	good	10% to 5%	e to w	good	
LF36	Lake Forest	504 Lake Manatee Way	18"	RCP	good	1%	w to e	good	
LF36a	Lake Forest	504 Lake Manatee Way	18"	RCP	good	3%	w to e	good	ran out of water
LF36b	Lake Forest	504 Lake Manatee Way	24"	RCP	good	5% to 20%	e to w	good	we couldent go all the way to the lake because od too much dirt and tape grass growing towards the end
LF37	Lake Forest	520 Lake Manatee Way	24"	RCP	good	5% to 10%	e to w	good	
LF38	Lake Forest	422 Lake Manatee Way	18"	RCP	good	1%	w to e	good	
LF38a	Lake Forest	422 Lake Manatee Way	18"	RCP	good	15% to 20%	w to e	good	could not finish the pipe too much debris
LF38b	Lake Forest	422 Lake Manatee Way	24"	RCP	good	5%	s to n	good	ran out of tether towards the end
LF39	Lake Forest	408 Lake Manatee Way	36"	RCP	good	15% to 20%	s to n	good	
LF39a	Lake Forest	408 Lake Manatee Way	36"	RCP	good	15%	s to n	good	
LF39b	Lake Forest	408 Lake Manatee Way	36"	RCP	good	10%	n to s	good	
LF39c	Lake Forest	408 Lake Manatee Way	36"	RCP	good	5% to10%	n to s	good	
LF40	Lake Forest	489 Talquin Lane	24"	RCP	good	5%	s to n	good	
LF41	Lake Forest	422 Talquin Lane	24"	RCP	good	5%	n to s	good	
LF42	Lake Forest	481 Talquin Lane	24"	RCP	good	5%	s to n	good	
LF43	Lake Forest	474 Talquin Lane	42"	RCP	good	5%	w to e	good	
LF43a	Lake Forest	474 Talquin Lane	42"	RCP	good	5%	e to w	?	there is a crack in the pipe I don't know it it is leaking there is no sediment near it
LF44	Lake Forest	445 Talquin Lane	24"	RCP	good	10%	s to n	good	
LF44a	Lake Forest	445 Talquin Lane	24"	RCP	?	?	e to w	?	no visibilty and I belive the structure is messed up from what we could see there was chunks of brick and concreate every where
LF45	Lake Forest	457 Talquin Lane	18"	RCP	good		w to e	?	
LF45a	Lake Forest	457 Talquin Lane	18"	RCP	good	1%	w to e	good	
LF46	Lake Forest	633 Long Key Ct	36"	RCP	good	5%	n to s	good	

St. Lucie West - Condition Report									
LF47	Lake Forest	639 Long Key Ct	42"	RCP	good	10%	n to s	good	
LF47a	Lake Forest	639 Long Key Ct	42"	RCP	good	5%	s to n	good	
LF48	Lake Forest	659 Little Talbot Ct	36"	RCP	good	15%	s to n	good	
LF48a	Lake Forest	659 Little Talbot Ct	36"	RCP	good	15%	n to s	good	
LF49	Lake Forest	655 Little Talbot Ct	24"	RCP	good	5%	w to e	good	
LF49a	Lake Forest	655 Little Talbot Ct	24"	RCP	good	5%	w to e	good	
LF49b	Lake Forest	655 Little Talbot Ct	24"	RCP	good	5%	n to s	good	
LF50	Lake Forest	650 Little Talbot Ct	24"	RCP	good	5%	n to s	good	
LF51	Lake Forest	648 Longkey Ct	18"	RCP	good	5%	n to s	good	
LF51a	Lake Forest	648 Longkey Ct	24"	RCP	good	5%	n to s	good	
LF52	Lake Forest	Clubhouse/prklot/grass	32"	RCP	good	15%	n to s	good	
LF52a	Lake Forest	Clubhouse/prklot/grass	32"	RCP	good	10%	s to n	good	

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
LFP01	Lake Forrest Point	Coconut key way / pool	36"	RCP	good	5%	n to s	good	
LFP02	Lake Forrest Point	310Torreya River TC/Coconut Key	24"	RCP	good	5%	s to n	good	
LFP03	Lake Forrest Point	362TorreyaRiverTC/Coconut Key	24"	RCP	good	0%	ne to sw	good	under road
LFP03a	Lake Forrest Point	308TorreyaRiverTC/Coconut Key	24"	RCP	good	0%	ne to sw	good	to lake
LFP04	Lake Forrest Point	310Torreya River TC/Coconut Key	24"	RCP	good	35%	ne to sw	?	under road
LFP05	Lake Forrest Point	343 Coconut Key Way	24"	RCP	good	5%	s to n	good	under road
LFP05a	Lake Forrest Point	343 Coconut Key Way	24"	RCP	good	5%	e to w	good	to lake
LFP07	Lake Forrest Point	314 Coconut Key Way	18"	RCP	good	5%	s to n	good	to lake
LFP08	Lake Forrest Point	309 Tomoka Springs	24"	RCP	good	30%	se to nw	good	
LFP08a	Lake Forrest Point	309 Tomoka Springs	18"	RCP	good	5%	e to w	good	under road
LFP08b	Lake Forrest Point	306 Tomoka Springs	18"	RCP	good	5%	e to w	good	to lake
LFP09	Lake Forrest Point	333 Macay Way	18"	RCP	good	25%	e to w	good	
LFP09a	Lake Forrest Point	334 Macay Way	18"	RCP	good	5%	n to s	good	
LFP13	Lake Forrest Point	207 Macay Way	24"	RCP	good	5%	w to e	good	
LFP13a	Lake Forrest Point	207 Macay Way	18"	RCP	good	10%	s to n	good	under road
LFP14	Lake Forrest Point	Corner Deleon Spring/Macay Way	24"	RCP	good	5%	e to w	good	
LFP14a	Lake Forrest Point	Corner Deleon Spring/Macay Way	18"	RCP	good	5%	se to nw	good	under road
LFP14b	Lake Forrest Point	Corner Deleon Spring/Macay Way	24"	RCP	good	5%	nw to se	good	
LFP14c	Lake Forrest Point	209 Deleon Springs	24"	RCP	good	5%	w to e	good	under road
LFP14d	Lake Forrest Point	209 Deleon Springs	24"	RCP	good	5%	w to e	good	behind house
LFP18	Lake Forrest Point	229 Manatee Springs	36"	RCP	good	0%	n to s	good	under road
LFP18a	Lake Forrest Point	229 Manatee Springs	36"	RCP	good	5%	n to s	good	to lake
LFP18b	Lake Forrest Point	229 Manatee Springs	36"	RCP	good	5%	w to e	good	behind house
LFP18c	Lake Forrest Point	229 Manatee Springs	36"	RCP	good	5%	w to e	good	to ditch
LFP20	Lake Forrest Point	245 Coconut Key Way	36"	RCP	good	10%	w to e	good	to lake
LFP22	Lake Forrest Point	251 Coconut Key Way	36"	RCP	good	10%	s to n	good	down the road
LFP22a	Lake Forrest Point	251 Coconut Key Way	36"	RCP	good	10%	n to s	good	down the road

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
KI1	Kings Isle	corner Catania Circle	1(24)2(18)	RCP	good	no water,	no video		
KI2	Kings Isle	125 Catania Circle	18"	RCP	good	no water,	no video		
KI3	Kings Isle	KI blvd 1st near lk#56	18"	RCP	good	10%	n to s	good	
KI3b	Kings Isle	KI blvd 1st near lk#56	24"	ADS	good	0%	w to e	good	
KI3c	Kings Isle	KI blvd 1st near lk#56	18"	RCP	good	0%	e to w	good	
KI4	Kings Isle	344 Tuscany way	24"	RCP	good	0%	e to w	good	
KI4b	Kings Isle	344 Tuscany way	24"	RCP	good	15%	w to e	good	
KI5	Kings Isle	Tuscany Court middle	24"	RCP	good	5%	w to e	good	
KI6	Kings Isle	Tuscany Lane	24"	RCP	good	0%	e to w	good	
KI7	Kings Isle	Tuscany DR/Tuscany CT	36"	RCP	good	5%	se to nw	good	
KI7b	Kings Isle	TuscanyDR/TuscanyCT	24"	RCP	good	10%	e to w	good	
KI7c	Kings Isle	TuscanyDR/TuscanyCT	24"	RCP	good	0%	w to e	good	
KI8	Kings Isle	TuscanyDR/TuscanyCTN	36"	RCP	good	0%	nw to se	good	
KI9	Kings Isle	388 Sherry Lane	24"	RCP	good	15%	s to n	good	
KI9b	Kings Isle	388 Sherry Lane	18"	RCP	good	25%	w to e	good	
KI10	Kings Isle	369 Sherry Lane	18"	RCP	good	35%	e to w	good	
KI11	Kings Isle	Sherryln/Tuscanydr S	18"	RCP	good	5%	s to n	good	
KI11b	Kings Isle	Sherryln/Tuscanydr S	24"	RCP	good	5%	n to s	good	
KI11c	Kings Isle	Sherryln/Tuscanydr S	36"	RCP	good	3%	e to w	good	
KI12	Kings Isle	438 Sherry Lane	24"	RCP	good	5%	n to s	good	
KI13	Kings Isle	Sherryln/Tuscanydr N	18"	RCP	good	0%		good	
KI14	Kings Isle	441 Marsala Terrace	24"	RCP	good	15%	s to n	good	
KI15	Kings Isle	Marsala & Tuscany Dr N	24"	RCP	good	15%	sw to ne	good	
KI16	Kings Isle	1064 Tuscany Dr	18"	RCP	good	0%	se to nw	good	
KI17	Kings Isle	1063 Tuscany Dr	24"	RCP	good	2%	se to nw	good	
KI18	Kings Isle	Turin Ct & Venice Ct	18"	RCP	good	5%	e to w	good	
KI19	Kings Isle	467 Casanova Circle	18"	RCP	good	5%	s to n	good	
KI20	Kings Isle	489 Casanova Circle	24"	RCP	good	2%	se to nw	good	
KI20B	Kings Isle	489 Casanova Circle	24"	RCP	good	5%	w to e	good	small crack in pipe
KI21	Kings Isle	499 Casanova Circle	24/18"	RCP	good	2%	structure	good	
KI22	Kings Isle	Tusc Dr/Casanova Circ	18"	RCP	good	35%	s to n	good	
KI22B	Kings Isle	Tusc Dr/Casanova Circ	18"	RCP	good	0%	se to nw	good	
KI23	Kings Isle	458 Casanova Circle	18"	RCP	good	2%	sw to ne	good	small crack in pipe
KI24	Kings Isle	Gibraltar CT	24"	RCP	good	5%	w to e	good	
KI24b	Kings Isle	Gibraltar CT	24"	RCP	good	0%	e to w	good	broken pipe, bad brick work
KI25	Kings Isle	Tuscany DR/ Gibraltar CT	18"	RCP	good	0%	w to e	good	
KI26	Kings Isle	1046 Tuscany DR	18"	RCP	good	35%	ne to sw	good	
KI26b	Kings Isle	1046 Tuscany DR	18"	RCP	good	55%	se to nw	good	
KI27	Kings Isle	1045 Tuscany DR	18"	RCP	good	5%	structure	good	
KI28	Kings Isle	529 Portofino Ln.	18"	RCP	good	0%	e to w	good	

St. Lucie West - Condition Report									
KI29	Kings Isle	542 Portofino Ln.	18"	RCP	good	2%	n to s	good	
Ki30	Kings Isle	1029 Tuscany Dr.	18"	RCP	good	2%	n to s	good	
KI31	Kings Isle	519 Cortina Ln.	18"	RCP	good	10%	e to w	good	first 18'
KI32	Kings Isle	529 Cortina Ln	18"	RCP	good	10%	e to w	good	first 18'
KI33	Kings Isle	561 Cortina Ln	24"	RCP	good	10%	s to n	good	
KI33a	Kings Isle	561 Cortina Ln	30"	RCP	good	10%	n to s	good	
KI34	Kings Isle	579 Cortina Ln	24"	RCP	good	5%	w to e	good	
KI35	Kings Isle	512 Galatone Ct	30"	RCP/ADS	good	15%	n to s	good	
KI35a	Kings Isle	512 Galatone Ct	30"	RCP	good	20%	s to n	good	
KI36	Kings Isle	989 TUSCANY DR	18"	RCP	good	10%	n to s	good	
KI37	Kings Isle	614 LAMBRUSCO DR	18"	RCP	good	10%	s to n	good	
Ki38	Kings Isle	596 LAMBRUSCO DR	18"	RCP	good	5%	s to n	good	
KI39	Kings Isle	576 LAMBRUSCO DR	18"	RCP	good	5%	n to s	good	
KI40	Kings Isle	562 LAMBRUSCO DR	18"	RCP	good	10%	n to s	good	
KI41	Kings Isle	55O LAMBRUSCO DR	24"	RCP	good	10%	w to e	good	
KI41A	Kings Isle	550 LAMBRUSCO DR	24"	RCP	good	5%	s to n	good	
KI41B	Kings Isle	55O LAMBRUSCO DR	24"	RCP	good	10%	n to s	good	
KI42	Kings Isle	530 LAMBRUSCO DR	18"	RCP	good	10%	n to s	good	
KI43	Kings Isle	631 SANCANDIDO WAY	18"	RCP	good	15%	n to s	good	root/cable through pipe
KI44	Kings Isle	631 Venetto Court	18"	RCP	good	5%	s to n	good	
KI45	Kings Isle	618 Montecillo Court	18"	RCP	good	10%	w to e	good	
KI46	Kings Isle	570 Monevina/LambDr	24"	RCP	good	15%	n to s	good	
Ki47	Kings Isle	582 Montevina Dr	30"	RCP	good	10%	w to e	good	
KI48	Kings Isle	KI Blvd 1st pass Tusc Dr	36"	RCP	good	10%	n to s	good	
KI48A	Kings Isle	KI Blvd 1st pass Tusc Dr	36"	RCP	good	10%	e to w	good	
KI49	Kings Isle	KI blvd 1st pass Montevina DR	18"	RCP	good	5%	e to w	good	looks like a brick coming trough the top or rcp ??
Ki50	Kings Isle	KI blvd 2nd pass Mont	36"	RCP	good	15%	s to n	good	
KI50a	Kings Isle	ki blvd 2nd pass montevina dr	36"	RCP	good	15%	e to w	good	
KI51	Kings Isle	KI blvd 3rd pass Mont	36"	RCP	good	10%	w to e	good	fist min of clip is
KI51A	Kings Isle	KI blvd 3rd pass Mont	36"	RCP	good	50%	s to n	good	
KI52	Kings Isle	KI blvd 4th pass Mont	36"	RCP	good	60%	e to w	good	
KI53	Kings Isle	KI Blvd 1st past Isle of Capri	36"	RCP	good	30%	w to e	good	
KI53a	Kings Isle	KI Blvd 1st past Isle of Capri	36"	RCP	good	25%	e to w	good	
KI54	Kings Isle	KI Blvd last past sorrento	36"	RCP	good	50%	w to e	good	
KI54A	Kings Isle	KI Blvd last past sorrento	36"	RCP	good	30%	e to w	good	
KI55	Kings Isle	KI Blvd 1st past sorrento	36"	RCP	good	50%	e to w	good	
KI55a	Kings Isle	KI Blvd 1st past sorrento	36"	RCP	good	60%	w to e	good	
KI56	Kings Isle	870 sorrento ln	36"	RCP	good	10%to70%	w to e	good	
KI57	Kings Isle	860 sorrento ln	36"	RCP	good	15%	e to w	good	
KI57a	Kings Isle	860 sorrento ln	36"	RCP	good	10%	s to n	good	
KI58	Kings Isle	844 sorrento ln	24"	RCP	good	15%	n to s	good	

St. Lucie West - Condition Report

KI58a	Kings Isle	844 sorrento ln	24"	RCP	good	10%to80%	s to n	good	could not finish
KI58b	Kings Isle	844 sorrento ln	24"	RCP	good	10%	w to e	good	
KI59	Kings Isle	827 Sorrento ln	24"	RCP	good	15%	n to s	good	
KI59a	Kings Isle	827 Sorrento ln	24"	RCP	good	10%	e to w	good	
KI60	Kings Isle	860 serria ct	36"	RCP	good	50%	n to s	good	
KI61	Kings Isle	874 serria ct	36"	RCP	not good	30 to 75%	n to s	good	could not finish
KI61a	Kings Isle	874 serria ct	24"	RCP	good	60%	s to n	?	could not even get into pipe due to debris
KI62	Kings Isle	898 Serria ct	36"	RCP	good	20%	s to n	good	hose or something coming trough the top if pipe about half way
KI62a	Kings Isle	898 Serria ct	36"	RCP	good	20%	n to s	good	
KI63	Kings Isle	908 serria ct	24"	RCP	good	10%to30%	n to s	good	
KI64	Kings Isle	812 sorrento ln	24"	RCP	good	20%	n to s	good	
KI65	Kings Isle	KI Blvd 1st after sorrento ln	36"	RCP	good	10%	n to s	good	
KI65a	Kings Isle	KI Blvd 1st past sorrento ln	36"	RCP	good	10%	e to w	good	
KI66	Kings Isle	KI Blvd 2nd past sorrento	36"	RCP	good	15%	n to s		
KI66a	Kings Isle	kI Blvd 2nd past sorrento ln	36"	RCP	good	15%	e t0 w	?	cloudy
KI67	Kings Isle	1st on san remo cir	24"	RCP	?	25%	s to n	?	cloudy
KI67a	Kings Isle	1st on san remo cir	36"	RCP	?	25%	w to e	?	cloudy
KI68	Kings Isle	1151 to 1161 courtyard in isle or lombardy	18"	RCP	good	10%	n to s	good	
KI69	Kings Isle	1193 to 1207 courtyard	24"	RCP	good	5%	e to w	good	could not finish ran out of tether
KI69a	Kings Isle	1193 to 1207 courtyard	24"	RCP	good	10%	s to n	good	
KI70	Kings Isle	1176 to 1194 courtyard	24"	RCP	not good	10%	s to n	good	structure has cracks
KI70a	Kings Isle	1176 to 1194 courtyard	24"	RCP	not good	5%	n to s	good	same as before
KI71	Kings Isle	1154 to 1174 courtyard L	24"	RCP	good	10%	n to s	good	
KI72	Kings Isle	203 Zanzbar	36"	RCP	good	5%	s to n	good	
KI72a	Kings Isle	203 Zanzbar	36"	RCP	good	5%	e to w	good	
KI73	Kings Isle	221 Zanzbar	24"	RCP	good	10%	n to s	good	
KI74	Kings Isle	245 Zanzabar	24"	RCP	good	10%	n to s	good	
KI74a	Kings Isle	245 Zanzabar	24"	RCP	good	10%	sw to ne	good	bent ads towards end of pipe
KI75	Kings Isle	234 Zanzabar	18"	RCP	not good	?	w to e	?	Could not record pipe to much sand in box.

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
Mag01	Magnolia Lakes	1st grate past front gate	18"	RCP	good	5 to 10%	n to s	good	
Mag03	Magnolia Lakes	122 Magnolia blvd	18"	RCP	good	0%	s to n	good	
Mag03a	Magnolia Lakes	122 Magnolia blvd	18"	RCP	good	0%	n to s	good	
Mag04	Magnolia Lakes	136 Magnolia blvd	18"	RCP	good	10%	e to w	good	
Mag04a	Magnolia Lakes	136 Magnolia blvd	18"	RCP	good	0%	nw to se	good	
Mag05	Magnolia Lakes	154 Magnolia blvd	24"	RCP	good	15%	w to e	good	
Mag05a	Magnolia Lakes	154 Magnolia blvd	24"	RCP	good	0%	n to s	good	
Mag06	Magnolia Lakes	168 Magnolia blvd	18"	RCP	good	5%	e to w	good	
	Magnolia Lakes	168 Magnolia blvd	18"	RCP	good		n to s	good	
Mag07	Magnolia Lakes	194 Magnolia blvd	18"	ADS	good	0%	nw to se	good	
Mag07a	Magnolia Lakes	194 Magnolia blvd	18"	RCP	good	0%	s to n	good	
Mag07b	Magnolia Lakes	199 Magnolia blvd	18"	RCP	good	?	s to n	?	concrete debris blocking pipe
Mag08	Magnolia Lakes	216 Magnolia blvd	24"	RCP	good	5%	e to w	good	
Mag08a	Magnolia Lakes	216 Magnolia blvd	18"	RCP	good	0%	s to n	good	
Mag08b	Magnolia Lakes	216 Magnolia blvd	18"	ADS	good	40%	n to s	?	
Mag09	Magnolia Lakes	224 Magnolia blvd	18"	ADS	good	30%	n to s	?	
Mag09a	Magnolia Lakes	224 Magnolia blvd	18"	RCP	good	0%	s to n	good	
Mag09b	Magnolia Lakes	224 Magnolia blvd	24"	RCP	good	0%	s to n	good	
Mag10	Magnolia Lakes	233 Pleasant Grove	18"	RCP	good	5%	s to n	good	
Mag10b	Magnolia Lakes	233 Pleasant Grove	18"	RCP	good	5%	n to s	good	
Mag11	Magnolia Lakes	225 Pleasant Grove	18"	RCP	good	20%	n to s	good	needs cleaning
Mag11a	Magnolia Lakes	225 Pleasant Grove	18"	RCP	good	0%	e to w	good	
Mag12	Magnolia Lakes	216 Pleasant Grove	18"	RCP	good	5%	w to e	good	
Mag12a	Magnolia Lakes	216 Pleasant Grove	24"	RCP	good	5%	n to s	good	
Mag13	Magnolia Lakes	211 Pleasant Grove	18"	RCP	good	10%	w to e	good	
Mag13a	Magnolia Lakes	211 Pleasant Grove	24"	RCP	good	10%	n to s	good	
Mag14	Magnolia Lakes	206 Pleasant Grove	24"	RCP	good	10%	n to s	good	
Mag 15	Magnolia Lakes	200 Pleasant Grove	24"	RCP	good	0%	s to n	good	
Mag 15b	Magnolia Lakes	200 Pleasant Grove	24"	RCP	good	2%	e to w	good	the pipe is 60% crushed at the end in the lake
Mag16	Magnolia Lakes	190 Pleasant grove	24"	RCP	good	60%	e to w	good	
Mag 17	Magnolia Lakes	190 Pleasant grove	18"	RCP	good	5%	n to s	good	brick or something near end blocking our way we couldent get past
Mag 18	Magnolia Lakes	185 Pleasant Grove	18"	RCP	25% full	25%	w to e	?	could not finish

St. Lucie West - Condition Report									
MAG19	Magnolia Lakes	165 Pleasant Grove	24"	RCP	good	10%	n to s	?	water cloudy
Mag19a	Magnolia Lakes	165 Pleasant Grove	24"	RCP	good	10%	e to w	?	water cloudy
Mag19b	Magnolia Lakes	165 Pleasant Grove	18"	RCP	good	10%	w to e	?	water cloudy
Mag20	Magnolia Lakes	Wetland Area	24"	RCP	good	10%	n to s	crack in	near the end
Mag20a	Magnolia Lakes	Wetland Area	18"	RCP	good	10%	w to e	good	
Mag21	Magnolia Lakes	123 Pleasant Grove	18"	RCP	good	10%	n to s	good	
Mag22	Magnolia Lakes	109 Pleasant Grove	18"	RCP	good	10%	w to e	good	
Mag23	Magnolia Lakes	200 Pleasant Grove	18"	RCP	good	25%	n to s	good	
Mag 24	Magnolia Lakes	104 Madison	18"	RCP	good	40%	s to n	no fly	needs cleaning
Mag24a	Magnolia Lakes	104 Madison	18"	RCP	good	25%	n to s	good	
Mag24b	Magnolia Lakes	104 Madison	24"	RCP	good	5%	n to s	good	pipe in lake crushed
Mag25	Magnolia Lakes	112 Madison	24"	RCP	good	40%	e to w	no fly	needs cleaning
Mag26	Magnolia Lakes	116 Madison	24"	RCP	good	5%	n to s	good	
Mag26a	Magnolia Lakes	116 Madison	18"	RCP	good	5%	n to s	good	
Mag26b	Magnolia Lakes	116 Madison	18"	RCP	good	5%	e to w	not	something blocking pipe
Mag27	Magnolia Lakes	126 Madison	18"	RCP	good	5%	n to s	good	
Mag27a	Magnolia Lakes	126 Madison	18"	RCP	good	5%	n to s	good	
Mag27b	Magnolia Lakes	126 Madison	18"	RCP	good	30%	s to n	not	needs cleaning
Mag28	Magnolia Lakes	110 Swan Mill	24"	RCP	good	5%	s to n	not	pipe in lake crushed
Mag29	Magnolia Lakes	130 Swan Mill	18"	RCP	good	0%	s to n	good	
Mag29a	Magnolia Lakes	130 Swan Mill	18"	RCP	good	0%	n to s	good	
Mag30	Magnolia Lakes	156 Swan Mill	18"	RCP	good	0%	n to s	good	
Mag30a	Magnolia Lakes	156 Swan Mill	18"	RCP	good	5%	s to n	good	
Mag31	Magnolia Lakes	176 Swan Mill	18"	RCP	good	0%	s to n	good	
Mag31a	Magnolia Lakes	176 Swan Mill	24"	RCP	good	0%	n to s	good	
Mag32	Magnolia Lakes	110 Berkley Ave	18"	RCP	good	0%	s to n	good	
Mag32a	Magnolia Lakes	110 Berkley Ave	18"	RCP	good	5%	ne to sw	good	
Mag32b	Magnolia Lakes	111 Berkley Ave	24"	RCP	good	5%	n to s	good	
Mag33	Magnolia Lakes	132 Berkley Ave	18"	RCP	good	0%	s to n	good	
Mag33a	Magnolia Lakes	132 Berkley Ave	18"	RCP	good	0%	n to s	good	
Mag34	Magnolia Lakes	158 Berkley Ave	24"	RCP	good	0%	s to n	good	pipe in lake crushed and clogged at end
Mag34a	Magnolia Lakes	158 Berkley Ave	24"	RCP	good	5%	n to s	good	
Mag35	Magnolia Lakes	112 Summerville	18"	RCP	good	10%	n to s	good	
Mag35a	Magnolia Lakes	112 Summerville	18"	RCP	good	5%	n to s	good	pipe in lake crushed
Mag36	Magnolia Lakes	103 Summerville	24"	RCP	good	5%	w to e	good	
Mag36a	Magnolia Lakes	103 Summerville	24"	RCP	good	10%	n to s	good	

St. Lucie West - Condition Report									
Mag36b	Magnolia Lakes	103 Summerville	24"	RCP	good	5%	e to w	good	
Mag36c	Magnolia Lakes	103 Summerville	24"	RCP	good	5%	e to w	good	
Mag37	Magnolia Lakes	201 Willowgrove	24"	RCP	good	30%	w to e	good	
Mag37a	Magnolia Lakes	201 Willowgrove	24"	RCP	good	5%	n to s	good	
Mag39	Magnolia Lakes	172 Willowgrove	24"	RCP	good	35%	n to s	good	
Mag39a	Magnolia Lakes	172 Willowgrove	24"	RCP	good	15%	n to s	good	end of pipe has glog
Mag39b	Magnolia Lakes	172 Willowgrove	24"	RCP	good	35%	e to w	good	
Mag40	Magnolia Lakes	160 Willowgrove	24"	RCP	good	25%	e to w	good	going too manhole
Mag40a	Magnolia Lakes	160 Willowgrove	18"	RCP	good	5%	n to s	good	across the street
Mag42	Magnolia Lakes	144 Willowgrove	24"	RCP	good	0%	e to w	good	to lake
Mag42a	Magnolia Lakes	144 Willowgrove	18"	RCP	good	5%	w to e	good	under road
Mag43	Magnolia Lakes	126 Willowgrove	24"	RCP	good	0%	s to n	good	going to lake
Mag43a	Magnolia Lakes	126 Willowgrove	18"	RCP	good	0%	n to s	good	under road
Mag47	Magnolia Lakes	Club House	18"	RCP	good	5%	n to s	good	
Mag47a	Magnolia Lakes	Club House	24"	RCP	good	10%	n to s	good	
Mag48a	Magnolia Lakes	Club House Tennis Court	24"	RCP	good	30%	n to s	good	
Mag48b	Magnolia Lakes	Club House Tennis Court	24"	RCP	good	25%	n to s	good	

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
CAS1	Cascades	1st passed Club house	24"	RCP	good	50%	n to s		under road
CAS1a	Cascades	1st passed Club house	24"	RCP	good	50%	w to e		
CAS2	Cascades	2nd past the clubhouse	24"	RCP	good	50%	n to s		half full
CAS3	Cascades	3rd pass the clubhouse	24"	RCP	good	15%	w to e		
CAS3a	Cascades	3rd pass the clubhouse	24"	RCP	good	10% to 30%	s to n		
CAS4	Cascades	4th past the clubhouse	24"	RCP	good	50%	e to w		there is another pipe in this structure but it is 0 visibilty n to s
CAS5	Cascades	5th past club hose on main road	24"	RCP	good	50%	s to n		too much debris to finish
CAS6	Cascades	6th past club house on main road	24"	RCP	good	20%	n to s		ran out of tether towards the end
CAS6a	Cascades	6th past club house on main road	24"	RCP	good	75%	ne to sw		full
CAS6b	Cascades	6th past club house on main road	24"	RCP	good	75%	s to n		full
CAS7	Cascades	7th past the clubhouse on the main road	24"	RCP	good	30% to 50%	w to e		there another pipe that is full heading west
CAS8	Cascades	8th past clubhouse on main rd	24"	RCP	good	60%	e to w		there are three pipes in structure all of them are almost fulll
CAS9	Cascades	9th past clubhouse main rd	24"	RCP	good	50%	e to w		there are two other in the structure one going south the other going west aall full..
CAS10	Cascades	10th past clubhouse on main rd	24"	RCP	good	50%	n to s		theres another pipe in the structure that is half full with water could not fly
CAS11	Cascades	spring view loop and cascades blvd	24"	RCP	good	35%	s to n		
CAS12	Cascades	first grate after the clubhouse on the left	24"	RCP	good	15%	w to e		
CAS12a	Cascades	first grate after the clubhouse on the left	24"	RCP	good	70%	s to n		
CAS12b	Cascades	first grate after the clubhouse on the left	24"	RCP	good	20%	e to w		
CAS13	Cascades	217 chimere ln and liseron way	24"	RCP	good	75%	w to e		
CAS14	Cascades	205 Liseron way	24"	RCP	good	30%	n to s		
CAS14a	Cascades	205 Liseron way	24"	RCP	good	5%	w to e		
CAS15	Cascades	240 Mistral ct/liseron wy	24"	RCP	good	3%	s to n		
CAS15a	Cascades	240 Mistral ct/liseron wy	24"	RCP	good	3%	e to w		
CAS16	Cascades	246 Liseron wy	24"	RCP	good	5%	w to e		
CAS16a	Cascades	246 Liseron wy	24"	RCP	good	5%	e to w		
CAS16b	Cascades	246 Liseron wy	24"	RCP	good	60%	n to s		
CAS17	Cascades	416 Aqua vista	24"	RCP	good	25% to 40%	n to s		pipe crushed 3/4 way
CAS17a	Cascades	416 Aqua vista	18"	RCP	good	25%	s to n		
CAS18	Cascades	438 Brookville ct	24"	RCP	good	25%	n to s		
CAS18a	Cascades	438 Brookville ct	24"	RCP	good	15% to 25%	e to w		
CAS18b	Cascades	438 Brookville ct	24"	RCP	good	5%	w to e		

St. Lucie West - Condition Report									
CAS19	Cascades	430 Cool water ct	24"	RCP	good	5%	n to s		
CAS19a	Cascades	430 Cool water ct	24"	RCP	good	5%	w to e		towards the end of the pipe was crushed out in the lake
CAS19b	Cascades	430 Cool water ct	24"	RCP	good	5%	e to w		
CAS19c	Cascades	430 Cool water ct	24"	RCP	good	50%	e to w		
CAS20	Cascades	521 Blue lake	24"	RCP	good	?	e to w		there is some concreate blocking half of the pipe
CAS21	Cascades	507 Blue lake	24"	RCP	good	5% to 10%	e to w		
CAS21a	Cascades	507 Blue lake	18"	RCP	good	6%	s to n		
CAS22	Cascades	495 Blue lake	18"	RCP	good	5%	s to n		
CAS22a	Cascades	495 Blue lake	18"	RCP	good	5%	w to e		
CAS23	Cascades	481 Blue lake	24"	RCP	good	5%	w to e		
Cas 23a	Cascades	481 Blue lake	24"	RCP	good	5%	w to e		
CAS24	Cascades	471 blue lake	16"	RCP			w to e		too small
CAS25	Cascades	459 Blue lake	16"	RCP			w to e		too small
CAS25a	Cascades	459 Blue lake	16"	RCP			n to s		too small
CAS26	Cascades	First after 459 blue lake	16"	RCP			s to n		too small
CAS26a	Cascades	First after 459 blue lake	16"	RCP			n to s		too small
CAS27	Cascades	second after 459 blue lake	16"	RCP			e to w		too small but almost full of debris near lake
CAS27a	Cascades	second after 459 blue lake	16"	RCP			w to e		too small
CAS28	Cascades	last befor rear gate on blue lake	16"	RCP			e to w		too small
CAS28a	Cascades	last befor rear gate on blue lake	16"	RCP			s to n		too small
CAS29	Cascades	grate next to tennis cts by rear exit	24"	RCP			n to s		too small
CAS29a	Cascades	grate next to tennis cts by rear exit	16"	RCP			s to n		too small
CAS30	Cascades	470 Blue lake	16"	RCP			n to s		too small
CAS31	Cascades	509 serene meadow	16"	RCP			n to s		too small
CAS31a	Cascades	509 serene meadow	16"	RCP			w to e		too small
CAS32	Cascades	509 serene meadow	24"	RCP	good	5%	s to n		
CAS32a	Cascades	509 serene meadow	24"	RCP	good	10%	e to w		
CAS33	Cascades	432 shore view dr	16"	RCP			e to w		too small
CAS33a	Cascades	432 shore view dr other side of street	16"	RCP			s to n		too small
CAS34	Cascades	422 shore view dr	16"	RCP			s to n		too small
CAS35	Cascades	404 shore view dr	16"	RCP			s to n		too small
CAS36	Cascades	2nd oldinlet	24"	RCP	good	10 to 15%	s to n		good
CA36a	Cascades	2ndoldinlet	24"	RCP	good	10% to 25%	ne to sw		good
CAS37	Casades	307 Seacrest ct	18"	RCP	good	5%	s to n		good
CAS37a	Cascades	307 Seacrest ct	18"	RCP	good	5%	w to e		good
CAS38	Cascades	315 Shoreview	24"	RCP	good	10 to 25%	e to w		good
CAS38a	Cascades	315 Shoreview	24"	RCP	good	10 to 15%	w to e		good
CAS39	Cascades	321 Shoreview	24"	RCP	good	5%	n to s		good

St. Lucie West - Condition Report									
CAS40	Cascades	353 Shoreview	18"	RCP	good	5%	n to s		good
CAS41	Cascades	369 Shorview	24"	RCP	good	5%	e to w		End of pipe crushed going into lake
CAS42	Cascades	405 Shorview	18"	RCP	good	5%	s to n		good
CAS43	Cascades	423 Shorview	18"	RCP	good	5%	e to w		good
CAS43a	Cascades	423 Shorview	16"	RCP	good		w to e		to small
CAS43b	Cascades	423 Shorview	16"	RCP	good		s to n		to small
CAS44	Cascades	425 Shoreview	16"	RCP	good		n to s		to small
CAS44a	Cascades	425 Shoreview	16"	RCP	good		s to n		to small
CAS45	Cascades	308 Millpond	18"	RCP	good	30%	w to e		to much debris also Box at 309 millpond
CAS46	Cascades	326 Millpond	24"	RCP	debri	40%	w to e		to much debri
CAS46a	Cascades	326 Millpond	24"	RCP	debri	40%	e to w		to much debri
CAS47	Cascades	311 Clearview	18"	RCP	good	30%	s to n		to much debri
CAS47a	Cascades	311 Clearview	18"	RCP	good	5%	n to s		good
CAS48	Cascades	433 Sunview	18"	RCP	good	0%	n to s		good
CAS48a	Cascades	433 Sunview	16"	RCP	debri		s to n		to small under road
CAS49	Cascades	409 Sunview	18"	RCP	good	5%	s to n		good
CAS49a	Cascades	409 Sunview	18"	RCP	good	0%	s to n		good
CAS49b	Cascades	409 Sunview	24"	RCP	good	0%	n to s		good to lake
CAS50	Cascades	382 Sunview	24"	RCP	good	0%	s to n		good to lake
CAS51	Cascades	360 Sunview	24"	RCP	good	0%	w to e		good to lake
CAS52	Cascades	358 Shoreline Circ	18"	RCP	good	5%	s to n		good under road
CAS52a	Cascades	358 Shoreline Circ	18"	RCP	good	0%	n to s		good to lake
CAS53	Cascades	310 Shoreline Circ	24"	RCP	good	0%	s to n		good to lake
CAS54	Cascades	316 Breezy Point	18"	RCP	good	10%	n to s		good under road
CAS54a	Cascades	316 Breezy Point	18"	RCP	good	0%	s to n		good to lake
CAS55	Cascades	328 Breezy Point	32"	RCP	good	5%	s to n		good to lake
CAS55a	Cascades	328 Breezy Point	32"	RCP	good	5%	n to s		good under road
CAS55b	Cascades	327 Breezy Point	32"	RCP	good	5%	n to s		good
CAS56	Cascades	348 Breezy Point	18"	RCP	good	25%	e to w		good under road
CAS56a	Cascades	348 Breezy Point	18"	RCP	good	5%	w to e		good to lake but end of pipe has crack and debris
CAS57	Cascades	360 Breezy Point	18"	RCP	good	10%	n to s		good to lake
CAS58	Cascades	104 Baycrest	18"	RCP	good	10%	w to e		good under road
CAS58a	Cascades	104 Baycrest	18"	RCP	good	5%	n to s		good
CAS58b	Cascades	104 Baycrest	18"	RCP	good	10%	n to s		good to lake
CAS59	Cascades	378 Breezy Point	32"	RCP	good	10%	n to s		good to lake
CAS59a	Cascades	378 Breezy Point	32"	RCP	good	5%	s to n		good under road
CAS59b	Cascades	378 Breezy Point	32"	RCP	good	5% to 20%	e to w		good down street with 1/2 water
CAS60	Cascades	392 Breezy point		RCP					cloudy
CAS61	Cascades	406 Breezy point		RCP					cloudy
CAS63	Cascades	420 Spring view loop	18"	RCP	good	5%	ne to sw		good to lake but end is blocked with grass and debris
CAS64	Cascades	328 Spring view loop	18"	RCP	good	3%	s to n		good to lake
CAS65	Cascades	350 Springview loop	18"	RCP	good	1%	s to n		good to lake

St. Lucie West - Condition Report

CAS66	Cascades	366 Springview loop		RCP	good				cloudy
CAS66a	Cascades	366 Springview loop		RCP					cloudy
CAS67	Cascades	386 Springview loop	36"	RCP	good	25%	s to n		good under road
CAS67a	Cascades	386 Springview loop	36"	RCP	good	35%	n to s		good to lake
CAS68	Cascades	404 Springview loop	24"	RCP	good	5%	s to n		good under road
CAS68a	Cascades	404 Springview loop	18"	RCP	good	0%	n to s		bent near lake
CAS69	Cascades	306 Treeline Trace	18"	RCP	good	5%	n to s		good under road
CAS69a	Cascades	306 Treeline Trace	18"	RCP	good	10%	s to n		good to lake
CAS70	Cascades	318 Treeline Trace	18"	RCP	good	5%	n to s		good under road
CAS70a	Cascades	318 Treeline Trace	18"	RCP	good	0%	s to n		good to lake
CAS71	Cascades	326 Treeline Trace	18"	RCP	good	10%	s to n		good under road
CAS71a	Cascades	326 Treeline Trace	18"	RCP	good	5%	w to e		good to lake
CAS72	Cascades	332 Treeline Trace	18"	RCP	good	10%	e to w		good under road
CAS72a	Cascades	332 Treeline Trace	18"	RCP	good	0%	n to s		good to lake
CAS73	Cascades	Sandybrook Lane	32"	RCP	good	0%	w to e		good
CAS73a	Cascades	Sandybrook Lane	24"	RCP	good	0%	e to w		good
CAS74	Cascades	128 Lawton rd	24"	RCP	good	5%	n to s		good
CAS74a	Cascades	128 Lawton rd	24"	RCP	good	0%	s to n		good
CAS75	Cascades	132 lawton rd	24"	RCP	good	0%	e to w		good
CAS76	Cascades	158 Ballyiee rd	24"	RCP	good	30%	n to s		good
CAS76a	Cascades	158 Ballyiee rd	24"	RCP	good	40%	ne to sw		good
CAS77	Cascades	168 Lawton rd	16"	RCP					no water
CAS77a	Cascades	168 Lawton rd	16"	RCP					no water
CAS78	Cascades	178 Lawton rd	16"	RCP					too small
CAS78a	Cascades	178 Lawton rd	18"	RCP	good		n to s		good
CAS79	Cascades	181 Lawton rd	24"	RCP	good	10%	w to e		good
CAS79a	Cascades	181 Lawton rd	24"	RCP	good	15%	ne to sw		good
CAS80	Cascades	Lawton an Sandybrook ln		RCP					no water
CAS81	Cascades	106 Lawton rd	18"	RCP	good	20%	w tp e		good
CAS81a	Cascades	106 Lawton rd	24"	RCP	good	30%	n to s		good
CAS81b	Cascades	106 Lawton rd	24"	RCP	good	15%	n to s		good
CAS82	Cascades	120 Lawton rd	24"	RCP	good	10%	s to n		good
CAS82a	Cascades	120 Lawton rd	32"	RCP	good	10%	n to s		good
CAS83	Cascades	122 Lawton rd	32"	RCP	good	5%	s to n		good
CAS85	Cascades	218 Chorale Way	32"	RCP	good	35%	s to n		good
CAS85a	Cascades	218 Chorale Way	32"	RCP	good	25%	n to s		good
CAS88	Cascades	288 Toscane Tr	18"	RCP	?	25%	n to s		s to n brick work blocking pipe and n t s is 25% debris
CAS89	Cascades	304 Toscane Tr	18"	RCP	good	5%	w to e		good
CAS89a	Cascades	304 Toscane Tr	18"	RCP	good	5%	w to e		good
CAS89b	Cascades	304 Toscane Tr	18"	Cor	Good	5%	w to e		good
CAS90	Cascades	326 Toscane Tr	18"	RCP	Good	20%	e to w		?
CAS90a	Cascades	326 Toscane Tr	18"	RCP	Good	40%	w to e		good
CAS91	Cascades	362 Claria Ct	18"	RCP	Good	0%	s to n		good
CAS91a	Cascades	362 Claria Ct	18"	RCP	Good	5%	s to n		good

St. Lucie West - Condition Report

CAS91b	Cascades	362 Claria Ct	18"	RCP	good	5%	e to w		good
CAS92	Cascades	Castlemaine Ct/Toscane	18"	RCP	good	15%	n to s		good
CAS92a	Cascades	Castlemaine Ct/Toscane	18"	RCP	good	0%	s to n		good
CAS92b	Cascades	Castlemaine Ct/Toscane	18"	RCP	good	5%	s to n		good
CAS93	Cascades	329 Toscane tr	18"	RCP	good	5%	w t e		good
CAS94	Cascades	289 Toscane Tr	18"	RCP	good	0%	n to s		good
CAS95	Cascades	263 Toscane Tr	18"	RCP	good	0%	e to w		going to the lake the coragated is broke in the lake causing a little bit of blockage
CAS96	Cascades	245 Toscane Tr	24"	RCP	good	0%	n to sw		good
CAS97	Cascades	221 Chorale way	24"	RCP	?	50%	e to w		good
CAS97a	Cascades	221 Chorale way	24"	RCP	good	50%	w to e		good
CAS98	Cascades	213 Chorale way	24"	RCP	good	5%	n to se		good
CAS100	Cascades	207 Chorale way	24"	RCP	good	5%	w to e		good
CAS101	Cascades	300 Alana ave	18"	RCP	good	5%	n to s		good
CAS103	Cascades	315 Alana ave	18"	RCP	good	20%	n to s		good
CAS104	Cascades	303 Alana ave	24"	RCP	good	5%	n to s		good
CAS104a	Cascades	303 Alana ave	24"	RCP	good	5%	n to s		good
CAS104b	Cascades	303 Alana ave	18"	RCP	good	15%	w to e		good
CAS105	Cascades	386 Granville	32"	RCP	good	5%	e to w		good
CAS105a	Cascades	386 Granville	32"	RCP	good	5%	w to e		good
CAS105b	Cascades	386 Granville	32"	RCP	good	5%	w to e		good
CAS108	Cascades	378 Granville	32"	RCP	good	10%	e to w		good
CAS109	Cascades	372 Granville	24"	RCP	good	10%	e to w		good
CAS109a	Cascades	372 Granville	18"	RCP	good	5%	n to s		good
CAS109b	Cascades	372 Granville	18"	RCP	good	5%	w to e		good
CAS110	Cascades	600 Whitfield Way	24"	RCP	good	0%	sw to ne		good
CAS110a	Cascades	600 Whitfield Way	24"	RCP	good	30%	n to s		good
CAS112	Cascades	611 Whitfield way	18"	RCP	good	0%	w to e/s to n		good
CAS113	Cascades	611 Whitfield way	24"	RCP	good	50%	n to s		good
CAS115	Cascades	631 Whitfield way	18"	RCP	good	5% to 15%	e to w		good
CAS115a	Cascades	631 Whitfield way	18"	RCP	good	80%	e to w		?
CAS115b	Cascades	631 Whitfield way	24"	RCP	good	10% to25%	s to n		good
CAS116	Cascades	618 Whitfield way	18"	RCP	good	35%	s to n		?
CAS118	Cascades	438 Lismore ln	18"	RCP	good	0% to 15%	e to w		
CAS118a	Cascades	438 Lismore ln	18"	RCP	good	0%	n to s		good
CAS118b	Cascades	438 Lismore ln	18"	RCP	good	60%	n to s		good
CAS118c	Cascades	438 Lismore ln	18"	RCP	good	5%	w to e		good
CAS119	Cascades	430 Lismore ln	18"	RCP	good	5%	e to w		good
CAS120	Cascades	449 Lismore ln	18"	RCP	good	5%	e to w		good
CAS120a	Cascades	449 Lismore ln	18"	RCP	good	5%	w to e		good
CAS121	Cascades	461 lismore ln	18"	RCP	good	2%	s to n		good
CAS121a	Cascades	461 lismore ln	24"	RCP	good	0%	s to n		rolled rubber
CAS122	Cascades	408 Granville dr	32"	RCP	good	0%	s to n		good
CAS122a	Cascades	408 Granville dr	32"	RCP	good	5%	s to n		good

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
TL1	The Lakes	2nd on right	16"	RCP	good	10%	s to n	good	
TL1a	The Lakes	2nd on right	16"	RCP	good	10%	n to s	no good	there looks like a bunch of roots growing trough the pipe we could not finish the pipe
TL2	The Lakes	1556 Amherst Dr	16"	RCP	no good	15%	s to n	good	the structure had some concrete parctaly blocking the pipe
TL3	The Lakes	1510 Amherst Dr	42"	RCP	good	5%	w to e	good	
TL4	The Lakes	1505 Amherst Dr	42"	RCP	good	5%	s to n	good	
TL5	The Lakes	1499 Amherst Dr	36"	RCP	good	0%	e to w	good	
TL5a	The Lakes	1499 Amherst Dr	36"	RCP	good	5%	s to n	no good	the pipe has a crack in it it is caving in
TL6	The Lakes	1535 Amherst Dr	16"	RCP	good	0%	s to n	good	
TL6a	The Lakes	1535 Amherst Dr	16"	RCP	good	5%	n to s	good	
TL7	The Lakes	1557 Amherst Dr	16"	RCP/ADS	good	0%	e to w	good	
TL7a	The Lakes	1557 Amherst Dr	16"	RCP	good	5%	n to s	good	
TL8	The Lakes	103 Bentley/Amherst	24"	RCP	good	5%	n to s	good	
TL9	The Lakes	1271a Bentley cir	36"	RCP	no good	25%	s to n	good	the structure has a crack in it
TL9a	The Lakes	1271a Bentley cir	36"	RCP	no good	2%	e to w	good	
TL9b	The Lakes	1271a Bentley cir	36"	RCP	no good	5%	w to e	good	
TL10	The Lakes	1271b Bentley cir	36"	RCP	good	10%	n to s	good	
TL11	The Lakes	1295b Bentley cir	36"	RCP	good	10%	n to s	good	
TL12	The Lakes	1276b Bentley cir	36"	RCP	good	10% to 40%	n to s	good	
TL13	The Lakes	1257a Bentley cir	36"	RCP	good	10%	w to e	good	
TL13a	The Lakes	1254b Bentley cir	36"	RCP	good	15%	w to e	good	
TL14	The Lakes	241 Bentley cir	36"	RCP/ADS	good	5%	n to s	good	
TL15	The Lakes	205 Bentley cir	36"	RCP/ADS	good	5%	n to s	good	
TL16	The Lakes	153 Bentley cir	24"	RCP/ADS	good	2%	w to e	good	

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
ST1	Sun Terrace	1262 Sun Terrace	42"	RCP	good	25%	n to s	good	
ST1a	Sun Terrace	1262 Sun Terrace	42"	RCP	good	5%	n to s	good	
ST1b	Sun Terrace	1262 Sun Terrace	18"	RCP	good	5%	s to n	good	
ST1c	Sun Terrace	1262 Sun Terrace	42"	RCP	good	10%	e to w	good	
ST2	Sun Terrace	1256 Sun Terrace	16"	RCP	?	20%	s to n	?	could not finish pipe due to debris
ST3	Sun Terrace	1255 Sun Terrace	16"	RCP	good	25%	w to e	good	very little water
ST3a	Sun Terrace	1255 Sun Terrace	24"	RCP/ADS	good	5%	e to w	good	
ST4	Sun Terrace	1249 Sun Terrace	24"	RCP	good	5%	w to e	good	
ST4a	Sun Terrace	1249 Sun Terrace	24"	RCP	good	5%	w to e	good	
ST4b	Sun Terrace	1249 Sun Terrace	24"	RCP/ADS	good	5%	e to w	good	there is a piece of plywood in the pipe
ST5	Sun Terrace	1232 Sun Terrace	24"	RCP	good	2%	w to e	good	
ST6	Sun Terrace	1233 Sun Terrace	24"	RCP	good	3%	n to s	good	
ST6a	Sun Terrace	1233 Sun Terrace	24"	RCP	good	2%	w to e	good	ran out of tether towards the end
ST7	Sun Terrace	1220 Sun Terrace	24"	RCP	good	5%	e to w	good	

St. Lucie West - Condition Report									
Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
WBI1	Westbrooke Isle	Clubhouse grate	18"	ADS	good	15%	s to n	good	the end of the pipe was completely blocked with brick work
WBI2	Westbrooke Isle	1135 Westbrooke isle	18"	ADS	good	15%	e to w	good	
WBI3	Westbrooke Isle	1104 Westbrooke isle	36"	ADS	good	5%	n to s	good	going to the lake
WBI3a	Westbrooke Isle	1104 Westbrooke isle	36"	ADS	good	5%	s to n	good	going out toward quest
WBI4	Westbrooke Isle	1130 Westbrooke isle	18"	ADS	good	50%	w to e	good	going towards the lake full of debris

St. Lucie West - Condition Report								
Struct #	**Subdivsion**	**Address**	**Size**	**Type**	**Structure**	**% Blocked**	**Direction**	**Pipe**
ENC7	Enclave	347 Enclave						
ENC8	Enclave	387 Enclave						

St. Lucie West - Condition Report									
Struct #	**Subdivsion**	**Address**	**Size**	**Type**	**Structure**	**% Blocked**	**Direction**	**Pipe**	**Notes**
TBO1	The Belmont	120 SW Peacock Unit 203	36"	RCP	good	0%	e to w	good	
TB01a	The Belmont	120 SW Peacock Unit 203	36"	RCP	good	0%	e to w	good	
TB01b	The Belmont	120 SW Peacock Unit 203	36"	RCP	good	0%	w to e	good	
TB01c	The Belmont	120 SW Peacock Unit 203	36"	RCP	good	0%	w to e	good	
TB02	The Belmont	120 SW Peacock Unit 207	24"	RCP	good	10% to 25%	s to n	good	
TB02a	The Belmont	120 SW Peacock Unit 207	24"	RCP	good	10% to 25%	w to e	good	
TB03	The Belmont	Club House North Side	18"	RCP	good	5%	e to w	good	
TB03a	The Belmont	Club House North Side	36"	RCP	good	0%	nw to se	good	
TB03b	The Belmont	Club House North Side	36"	RCP	good	0%	nw to se	good	obstruction in pipe
TB10	The Belmont	166 SW Peacock Blvd	18"	RCP	good	0%	w to e	good	
TB11	The Belmont	160 SW Peacocl Blvd	18"	RCP	good	5%	n to s	good	
TB15	The Belmont	150 SW Peacock Blvd	18"	RCP	good	0%	n to s	good	
TB16	The Belmont	146 SW Peacock Blvd unit 247	24"	RCP	good	5%	n to s	good	
TB16a	The Belmont	146 SW Peacock Blvd unit 247	24"	RCP	good	5%	w to e	good	
TB17	The Belmont	142 SW Peacock Blvd unit 207	18"	RCP	good	5%	w to e	good	
TB19	The Belmont	136 SW Peacock Blvd unit 207	18"	RCP	good	0%	n to s	good	
TB19a	The Belmont	136 SW Peacock Blvd unit 207	18"	RCP	good	0%	w to e	good	
TB20	The Belmont	128 SW Peacock Blvd unit 201	24"	RCP	good	0%	e to w	good	
TB20a	The Belmont	128 SW Peacock Blvd unit 201	24"	RCP	good	0%	w to e	good	
TB21	The Belmont	124 SW Peacock Blvd unit 207	24"	RCP	good	10%	n to s	good	
									end of the pipe is completely blocked off with bricks

St. Lucie West - Condition Report								
Struct #	**Subdivsion**	**Address**	**Size**	**Type**	**Structure**	**% Blocked**	**Direction**	**Pipe**
Club01	The Club	Building 151	24"	RCP	good	15%	s to n	good
Club01a	The Club	Building 141	36"	RCP	good	5%	s to n	good
Club01b	The Club	Building 151	18"	RCP	good	15%	e to w	good
Club02	The Club	Building 161	24"	RCP	good	0%	n to s	good
Club 02a	The Club	Building 161	36"	RCP	good	10%	w to e	good
Club03	The Club	Building 191 S	36"	RCP	good	30%	n to s	poor
Club05	The Club	mailbox 255	36"	RCP	good	35%	s to n	poor
Club05a	The Club	mailbox 255	36"	RCP	good	40%	w to e	poor
Club06	The Club	Garage 253	24"	RCP	good	35%	n to s	?
Club07	The Club	Building 271	24"	RCP	good	5%	s to n	good
Club07a	The Club	Building 271	24"	RCP	good	5%	w to e	good
Club07b	The Club	Building 271	24"	RCP	good	0%	n to s	good
Club 07c	The Club	Building 271	18"	RCP	good	30%	w to e	good
Club08	The Club	Building 281	36"	RCP	good	5%	w to e	good
Club08a	The Club	Building281	36"	RCP	good	10%	e to w	good
Club09	The Club	Bulding 291	36"	RCP	good	10%	e to w	good
Club09a	The Club	Building 291	24"	RCP	good	5%	n to s	good
Club10	The Club	Building 231	24"	RCP	good	0%	s to n	good
Club10a	The Club	Building 231	24"	RCP	good	0%	w to e	good
Club10b	The Club	Building 231	24"	RCP	good	0%	w to e	good
Club10c	The Club	Building 231	18"	RCP	good	20%	n to s	good
Club11	The Club	111 Clubhouse	18"	RCP	good	50%	s to n	good
Club13	The Club	Building 131	18"	RCP	good	40%	s to n	good
Club13a	The Club	Building 131	24"	RCP	good	10%	e to w	good
Club14	The Club	Building 131	24"	RCP	good	10%	s to n	good
Club14a	The Club	Building 131	24"	RCP	good	15%	e to w	good

St. Lucie West - Condition Report

Struct #	Subdivsion	Address	Size	Type	Structure	% Blocked	Direction	Pipe	Notes
ODR 1	Outdoor Resorts	198 Hazard Way	36"	RCP	good	10%	e to w	good	
ODR 1B	Outdoor Resorts	198 Hazard Way	36"	RCP	good	20%	w to e	good	
ODR 1E	Outdoor Resorts	198 Hazard Way	36"	RCP	good	15%	n to s	good	
ODR2	Outdoor Resorts	183 Hazard Way	36"	RCP	good	0%	s to n	good	
ODR2a	Outdoor Resorts	183 Hazard Way	36"	RCP	good	5%	w to e	good	
ODR3	Outdoor Resorts	167Hazard Way	18"	RCP	good	0%	w to e	good	
ODR3b	Outdoor Resorts	167 Hazard Way	18"	RCP	good	5%	s to n	good	
ODR4	Outdoor Resorts	241 Harad Way	36"	RCP	good	5%	e to w	good	
ODR4A	Outdoor Resorts	241 Hazrad Way	18"	RCP	good	5%	w to e	good	
ODR4B	Outdoor Resorts	241 Hazrad Way	24"	RCP	good	5%	n to s	good	
ODR4C	Outdoor Resorts	241 Hazrad Way	24"	RCP	good	5%	w to e	good	
ODR5	Outdoor Resorts	234 Hazard Way	18"	RCP	good	5%	s to n	good	
ODR6	Outdoor Resorts	223 Chipshot	24"	RCP	good	5%	e to w	good	
ODR6a	Outdoor Resorts	223 Chipshot	24"	RCP	good	5%	w to e	good	
ODR6b	Outdoor Resorts	223 Chipshot	24"	RCP	good	10 to 50%	w to e	good	
ODR8	Outdoor Resorts	215 Chipshot	24"	RCP	good	5%	n to s	good	
ODR8a	Outdoor Resorts	215 Shipshot	24"	RCP	good	5%	s to n	good	
ODR11	Outdoor Resorts	460 Chipshot	18"	RCP	good	5%	n to s	good	
ODR12	Outdoor Resorts	76 Putter pt.	24"	RCP	good	5%	n to s	good	
ODR12a	Outdoor Resorts	76 Putter pt.	24"	RCP	good	15%	w to e	good	seal seperating
ODR12b	Outdoor Resorts	76 Putter pt.	24"	RCP	good	10%	w to e	good	to lake
ODR14	Outdoor Resorts	68 NW Boundary Dr.	18"	ADS	good	10%	e to w	good	to wetland
ODR14a	Outdoor Resorts	68 NW Boundary Dr.	24"	RCP	good	0%	n to s	good	under road
ODR14b	Outdoor Resorts	393 NW Boundary Dr.	24"	RCP	good	0%	n to s	good	to grate behind lot
ODR14c	Outdoor Resorts	393 NW Boundary Dr.	24"	RCP	good	0%	w to e	good	to lake?
ODR14d	Outdoor Resorts	393 NW Boundary Dr.	24"	RCP	good	0%	n to s	good	to another box behind pool
ODR15	Outdoor Resorts	58 NW Boundary Dr.	18"	RCP	good	20%	w to e	good	
ODR15a	Outdoor Resorts	58 NW Boundary Dr.	24"	RCP	good	0%	s to n	good	
ODR16	Outdoor Resorts	50 NW Boundary Dr.	18"	RCP	good	5%	w to e	good	
ODR16a	Outdoor Resorts	50 NW Boundary Dr.	24"	RCP	good	5%	w to e	good	

St. Lucie West - Condition Report									
ODR16b	Outdoor Resorts	50 NW Boundary Dr.	24"	RCP	good	5%	w to e	good	
ODR16C	Outdoor Resorts	50 NW Boundary Dr.	24"	RCP	good	10%	n to s	good	
ODR18	Outdoor Resorts	475 NW Boundary Dr.	36"	RCP	good	5%	n to s	good	
ODR19	Outdoor Resorts	34 NW Boundary Dr.	18"	RCP	good	10%	n to s	good	
ODR19a	Outdoor Resorts	34 NW Boundary Dr.	18"	RCP	good	5%	n to s	Blocked	End of pipe blocked by brick
ODR20	Outdoor Resorts	23 NW Boundary Dr.	42"	RCP	good	5%	n to s	good	
ODR20a	Outdoor Resorts	23 NW Boundary Dr.	42"	RCP	good	5%	s to n	good	
ODR20b	Outdoor Resorts	23 NW Boundary Dr.	42"	RCP	good	10%	s to n	good	
ODR20c	Outdoor Resorts	23 NW Boundary Dr.	42"	RCP	good	10%	w to e	good	
ODR21	Outdoor Resorts	11 NW Boundary Dr.	18"	RCP	good	0%	s to n	good	to wetland
ODR21a	Outdoor Resorts	11 NW Boundary Dr.	18"	RCP	good	0%	e to w	good	under road
ODR21b	Outdoor Resorts	11 NW Boundary Dr.	18"	RCP	good	0%	e to w	good	to lake
ODR22	Outdoor Resorts	corner of Boundary and odr blvd	36"	RCP	good	0%	n to s	good	to grate
ODR22a	Outdoor Resorts	corner of Boundary and odr blvd	24"	RCP	good	0%	e to w	good	under road
ODR22b	Outdoor Resorts	corner of Boundary and odr blvd	24"	RCP	good	5%	n to s	good	to lake
ODR22c	Outdoor Resorts	corner of Boundary and odr blvd	18"	RCP	good	0%	s to n	good	under road
ODR22d	Outdoor Resorts	Corner of ODR/Foursome	18"	RCP	good	50%	sw to ne	?	to grass
ODR23	Outdoor Resorts	Exiting gate	18"	RCP	good	0%	w to e	good	under road
ODR23a	Outdoor Resorts	Exiting gate	18"	RCP	good	35%	w to e	?	under median

St. Lucie West - Condition Report

Struct #	Subdivsion	Address		Pipe Size	Notes	Notes
CAS80	Cascades	Lawton and Sandybrook LN	no water			
CAS84	Cascades	135 Chorale Way	no water	16"		
CAS86	Cascades	245 Toscane Trail	no water	16"		
CAS87	Cascades	258 Toscane Trail	no fly	16"		
CAS99	Cascades	213 Chorale way	no fly	16"		
CAS102	Cascades	318 Alana ave	no fly	no water		
CAS106	Cascades	386 Granville	no fly	no water	going across the street	
CAS107	Cascades	386 Granville	no fly	16"	going to wetland	
CAS110b	Cascades	600 whitfield way	no water	18"	under road	
CAS111	Cascades	611 Whitfield way	no fly	16"	going to back of house	
CAS114	Cascades	606 Whitfield way	no fly	16"	to man hole	
CAS117	Cascades	409 Granville	no fly	16"	no water	
CAS121b	Cascades	461 Lismore ln	no fly	16"	going behind house	
Mag02	Magnolia Lakes	past front gate/ second grate	no water	18"	under road/along/ both sides	
Mag10a	Magnolia Lakes	233 Pleasant Grove	no fly	18"	10% could not get in pipe ADS	across street
MAG15a	Magnolia Lakes	200 Pleasant Grove	no fly	16"	30% debris at front of pipe	west to east under road
MAG16a	Magnolia Lakes	190 Pleasant grove	no fly	16"	going across the street	
MAG16b	Magnolia Lakes	190 Pleasant grove	no fly	16"	going under road	
Mag 17	Magnolia Lakes	190 Pleasant grove/ swan mill	no fly	16"	under road	
Mag21a	Magnolia Lakes	123 Pleasant Grove	no fly	16"	under road	
Mag22a	Magnolia Lakes	109 Pleasant Grove	no fly	24"	50%	
Mag28a	Magnolia Lakes	110 Swan Mill	no fly	16"		
Mag33b	Magnolia Lakes	133 Berkley Ave	no fly	16"	going behind house	
Mag38	Magnolia Lakes	186 Willowgrove	no fly	18"	no water	
Mag41	Magnolia Lakes	163 Willowgrove	no fly	16"	going behind house	
Mag44	Magnolia Lakes	125 Willowgrove	no fly	16"	going behind house	
Mag46	Magnolia Lakes	Club House First Two	no fly	18"	no water	
mag48	Magnolia Lakes	Club House Tennis Court	no fly	16"	no water	
ODR 1C	Outdoor Resorts	198 Hazard Way	no fly	16"		
ODR 1D	Outdoor Resorts	198 Hazard Way	no fly	18"	going toward the front gate there is a brick in the pipe couldent get past it to fly	
ODR3a	Outdoor Resorts	167 Hazard Way	no fly	16"		
ODR5a	Outdoor Resorts	234 Hazard Way	no fly	18"	no water	
ODR6c	Outdoor Resorts	223 Chipshot	no fly	18"	no water	

St. Lucie West - Condition Report						
ODR7	Outdoor Resorts	325 Chipshot	no fly	18"	no water	
ODR9	Outdoor Resorts	358 Chipshot	no fly	18"	no water	
ODR10	Outdoor Resorts	366 Chipshot	no fly	18"	no water	
ODR13	Outdoor Resorts	352 Foursome Ln.	no fly	18"	no water	
ODR17	Outdoor Resorts	43 NW BOUNDARY DR	no fly	?	no water	All three grates Boundary and Sandtrap
ODR24	Outdoor Resorts	1st at entrance	no fly	18"	no water	
LFP01a	Lake Forrest Point	coconut key way / pool	no fly	24"	no water	
LFP05a	Lake Forrest Point	343 Coconut Key Way	no fly	16"	going behind house	
LFP06	Lake Forrest Point	315 Coconut Key Way	no fly	16"	going behind house	
LFP06a	Lake Forrest Point	315 Coconut Key Way	no fly	18"	no water	under road
LFP10	Lake Forrest Point	321 Macay Way	no fly	?	no water both sides	
LFP11	Lake Forrest Point	309 Macay Way	no fly	?	no water both sides	
LFP12	Lake Forrest Point	225 Macay Way	no fly	24"	no visibility	
LFP15	Lake Forrest Point	261 Manatee Springs	no fly	18"	no water	under road
LFP16	Lake Forrest Point	258 Manatee Springs	no fly	18"	no water	down road
LFP17	Lake Forrest Point	246 Manatee Springs	no fly	18"	no water	under road and to lake
LFP19	Lake Forrest Point	214 Coconut Key Way	no fly	18"	no water	under road and to lake
LFP20a	Lake Forrest Point	245 Coconut Key Way	no fly	18"	no water	under road
LFP21	Lake Forrest Point	263 C0c0nut key way	no fly	?	no water	under road also wetland
LFP23	Lake Forrest Point	Coconut key way /Wekiva pool27o18.695n80o22.865w	no fly	18"	no water	under road and to lake
LFP24	Lake Forrest Point	1st at entrance by pool	no fly	18 "/16"	no water	under road/ to drain
LFP25	Lake Forrest Point	Back Gate	no fly	18"	no water	under road and to lake
TB04	The Belmont	100 SW Peacock Blvd	no fky	18"	no water	
TB04a	The Belmont	100 SW Peacock Blvd	no fly	24"	no water	
TB05	The Belmont	114 SW Peacock Blvd	no fly	?	no water	
TB05a	The Belmont	114 SW Peacock Blvd	no fly	?	no water	
TB06	The Belmont	114 SW Peacock Blvd	no fly	?	no water	
TB07	The Belmont	110 SW Peacock Blvd	no fly	?	no water	
TB08	The Belmont	106 SW Peacock Blvd	no fly	?	no water	
TB09	The Belmont	168 Sw Peacock Blvd	no fly	18"/24"	no water	

St. Lucie West - Condition Report						
TB12	The Belmont	158 SW Peacock Blvd	no fly	18"	no water	
TB13	The Belmont	156 SW Peacock Blvd unit 101	no fly	18"	no water	
TB14	The Belmont	154 SW Peacock Blvd unit 207	no fly	18"	no water	
TB18	The Belmont	140 SW Peacock BLVD	no fly	18"	no water	
Club04	The Club	Building 201	no fly	?	no visibility	
Club12	The Club	Building 121	no fly	?	no visibility	
WBI1a	Westbrooke Isle	Clubhouse	no fly	?	full of debris	
WBI4a	Westbrooke Isle	1130 Westbrooke is.le	nofly	?	full of debris	e to w
ENC1	Enclave	162 Enclave	nofly	?	no water	
ENC2	Enclave	158 Enclave	nofly	?	no water	
ENC3	Enclave	182 Enclave	nofly	?	no water	
ENC4	Enclave	225 Enclave	nofly	?	no water	
ENC5	Enclave	251 Enclave	nofly	?	no water	
ENC6	Enclave	299 Enclave	nofly	?	no water	
ENC9	Enclave	118 Enclave	nofly	?	no water	
ENC10	Enclave	138 enclave	nofly	?	no water	
ENC11`	Enclave	142 Enclave	nofly	?	no water	
back yard	country club		fly	18	water	

EXHIBIT 4

FDOT Design Service Life

TABLE 6-1 CULVERT MATERIAL APPLICATIONS AND DESIGN SERVICE LIFE

Application		Storm Drain		Cross Drain		Side Drain[4]	Gutter Drain	Vertical Drain[10]	French Drain		
Highway Facility (see notes)		Minor	Major	Minor	Major	All	All	All	Replacement will Impact the Roadway[5]		Other
									Minor	Major	All
Design Service Life →		50	100	50	100	25	25[6]	100	50	100	50
Culvert Material		An * indicates suitable for further evaluation.									
PIPE	Corrugated Aluminum Pipe CAP	*	*	*	*	*	*		*	*	*
	Corrugated Steel Pipe CSP	*	*	*	*	*	*		*	*	*
	Corrugated Aluminized Steel Pipe CASP	*	*	*	*	*	*		*	*	*
	Spiral Rib Aluminum Pipe SRAP	*	*	*	*	*			*	*	*
	Spiral Rib Steel Pipe SRSP	*	*	*	*	*			*	*	*
	Spiral Rib Aluminized Steel Pipe SRASP	*	*	*	*	*			*	*	*
	Steel Reinforced Concrete Pipe RCP	*	*	*	*	*			*	*	*
	Non-reinforced Concrete Pipe NRCP	*	*	*	*	*			*	*	*
	Fiber Reinforced Concrete Pipe FRCP	*	*	*	*	*			*	*	*
	Polyethylene Pipe – Class I HDPE-I	*		*		*			*		*
	Polyethylene Pipe – Class II[9] HDPE-II	*	*	*	*	*			*	*	*
	Polypropleyne Pipe PPP	*		*		*			*		*
	Polyvinyl-Chloride Pipe[7] PVC	*	F949	*	F949	*		F949	*	F949	*
	Fiberglass Pipe							*			
STRPL	Structural Plate Aluminum Pipe SPAP	*	*	*	*	*					
	Structural Plate Alum. Pipe-Arc SPAPA	*	*	*	*	*					
	Structural Plate Steel Pipe SPSP	*	*	*	*	*					
	Structural Plate Steel Pipe-Arch SPSPA	*	*	*	*	*					
BOX	Aluminum Box Culvert	*	*	*	*	*					
	Concrete Box Culvert CBC	*	*	*	*	*					
	Steel Box Culvert	*	*	*	*	*					

Table notes are on the following page

EXHIBIT 4

Notes for Table 6-1

1. A minor facility is permanent construction such as minor collectors, local streets and highways, and driveways, provided culvert cover is less than 10 feet. Additionally, this category may be called for at the discretion of the District Drainage Engineer where pipe replacement is expected within 50 years or where future replacement of the pipe is not expected to impact traffic or require extraordinary measures such as sheet piling.
2. A major facility is any permanent construction of urban and suburban typical sections and limited access facilities. Urban facilities include any typical section with a fixed roadside traffic barrier such as curb or barrier wall. Additionally, rural typical sections with greater than 1600 AADT are also included in this category.
3. Temporary construction normally requires a much shorter design service life than permanent does. However, temporary measures that will be incorporated as permanent facilities should be treated as permanent construction with regard to design service life determination.
4. Although culverts under intersecting streets (crossroads) function as side drains for the project under consideration, these culverts are cross drains and shall be designed using appropriate cross drain criteria.
5. Replacing this pipe would require removal and replacement of the project's pavement or curb.
6. Gutter Drains under retaining walls should use a 100 year DSL.
7. F949 PVC service life is 100 years. Other PVC pipe has a 50 year service life. PVC pipe should not be used in direct sunlight unless it meets the requirements of Section 948-1.1.
8. Class II HDPE pipe, accepted under the interim specification, may not be used in the following locations:
    1. The Florida Keys
    2. Under the mainline travel lanes on limited access facilities
    3. Under the pavement of 8-lane urban facilities
    4. Under the pavement of roadways providing immediate access to coastal islands
    5. Within the confines of a mechanically stabilized earth (MSE) wall
    6. In locations where the failure of the pipe would jeopardize buildings adjacent to the Department's right-of-way

    Under the pavement, in the above restrictions, includes pipe locations within the angle of repose of the soil under the proposed pavement, including planned future widening.
9. Any pipes under permanent structures such as retaining walls, MSE walls, buildings, etc. shall use a 100 year DSL.
10. Resilient connections required for all vertical pipes.

EXHIBIT 5

Projected Maintenance/Repair Costs

ENGINEER'S PRELIMINARY ESTIMATE OF REQUIRED CLEANING & REPAIRS

Maintenance Responsibility	HOA					DISTRICT				
Community	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal
Country Club Estates										
CCSL 9	$ 6,500									
CCSL 29	$ 6,500	$ 750								
CCSL 42		$ 750								
CCSL 43				$ 5,000						
CCSL 77	$ 6,500									
FWI 8								$ 1,260		
FWI 11				$ 5,000						
Method Sub-Total	**$ 19,500**	**$ 1,500**	**$ -**	**$ 10,000**	**$ -**	**$ -**	**$ -**	**$ 1,260**	**$ -**	**$ -**
Community Total	**$**				**31,000**	**$**				**1,260**
Kings Isle										
KI 20B					$ 1,500					
KI 23					$ 1,500					
KI 24B	$ 7,000	$ 750								
KI 43					$ 1,500					
KI 61		$ 750								
KI 61A			$ 2,150							
K8I 62					$ 1,500					
KI 70		$ 750								
KI 74A	$ 7,000									
KI 75		$ 750	$ 2,100							
Method Sub-Total	**$ 14,000**	**$ 3,000**	**$ 4,250**	**$ -**	**$ 6,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Community Total	**$**				**27,250**	**$**				**-**
Heatherwood										
HW 4							$ 750			
HW 15A								$ 2,300		
Method Sub-Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 750**	**$ 2,300**	**$ -**	**$ -**
Community Total	**$**				**-**	**$**				**3,050**

Maintenance Responsibility	HOA					DISTRICT				
Community	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal
Lakes @ St Lucie West										
TL 1A										$ 1,500
TL 2			$ 750							
TL 5A								$ 1,260		$ 1,500
TL 9			$ 750							
Method Sub-Total	$ -	$ -	**$ 1,500**	$ -	$ -	$ -	$ -	**$ 1,260**	$ -	**$ 3,000**
Community Total	**$**				**1,500**	**$**				**4,260**
Sun Terrace										
ST 2			$ 1,750							
ST 4B			$ 1,260							
Method Sub-Total	$ -	$ -	**$ 3,010**	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Total	**$**				**3,010**	**$**				**-**
Lake Forest										
LF 3		$ 750								
LF 3A		$ 750								
LF 3B		$ 750								
LF 8B			$ 2,200							
LF 13					$ 1,500					
LF 15A			$ 1,750							
LF 15B			$ 2,150							
LF 17			$ 2,750							
LF 17A			$ 2,850							
LF 18			$ 1,850							
LF 18A			$ 2,730							
LF 19B					$ 1,500					
LF 20A			$ 1,750							
LF 21A					$ 1,500					
LF 32A								$ 2,250		
LF 33								$ 1,260		
LF 34								$ 2,950		
LF 36B			$ 2,200							

Maintenance Responsibility	HOA					DISTRICT				
Community	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal
LF 38A			$ 1,750							
LF 43A					$ 1,500					
LF 44A							$ 750	$ 3,300		
Method Sub-Total	**$ -**	**$ 2,250**	**$ 21,980**	**$ -**	**$ 6,000**	**$ -**	**$ 750**	**$ 9,760**	**$ -**	**$ -**
Community Total	**$**				**30,230**	**$**				**10,510**
Lake Forest Pointe										
Method Sub-Total	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Community Total	**$**				**-**	**$**				**-**
Lake Charles										
LC 12					$ 1,500					
LC 13			$ 2,400							
LC 18			$ 2,250							
LC 20			$ 2,250							
LC 21			$ 1,850							
LC 22			$ 1,850							
LC 23			$ 1,750							
LC 26					$ 1,500					
LC 28	$ 7,500									
LC 32			$ 2,300							
LC 40			$ 750							
LC 40A			$ 750							
LC 41			$ 750							
LC 41A			$ 750							
Method Sub-Total	**$ 7,500**	**$ -**	**$ 17,650**	**$ -**	**$ 3,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Community Total	**$**				**28,150**	**$**				**-**
Vineyards										
V 45B					$ 1,500					
V 46A			$ 2,350							$ 1,500
V 47										

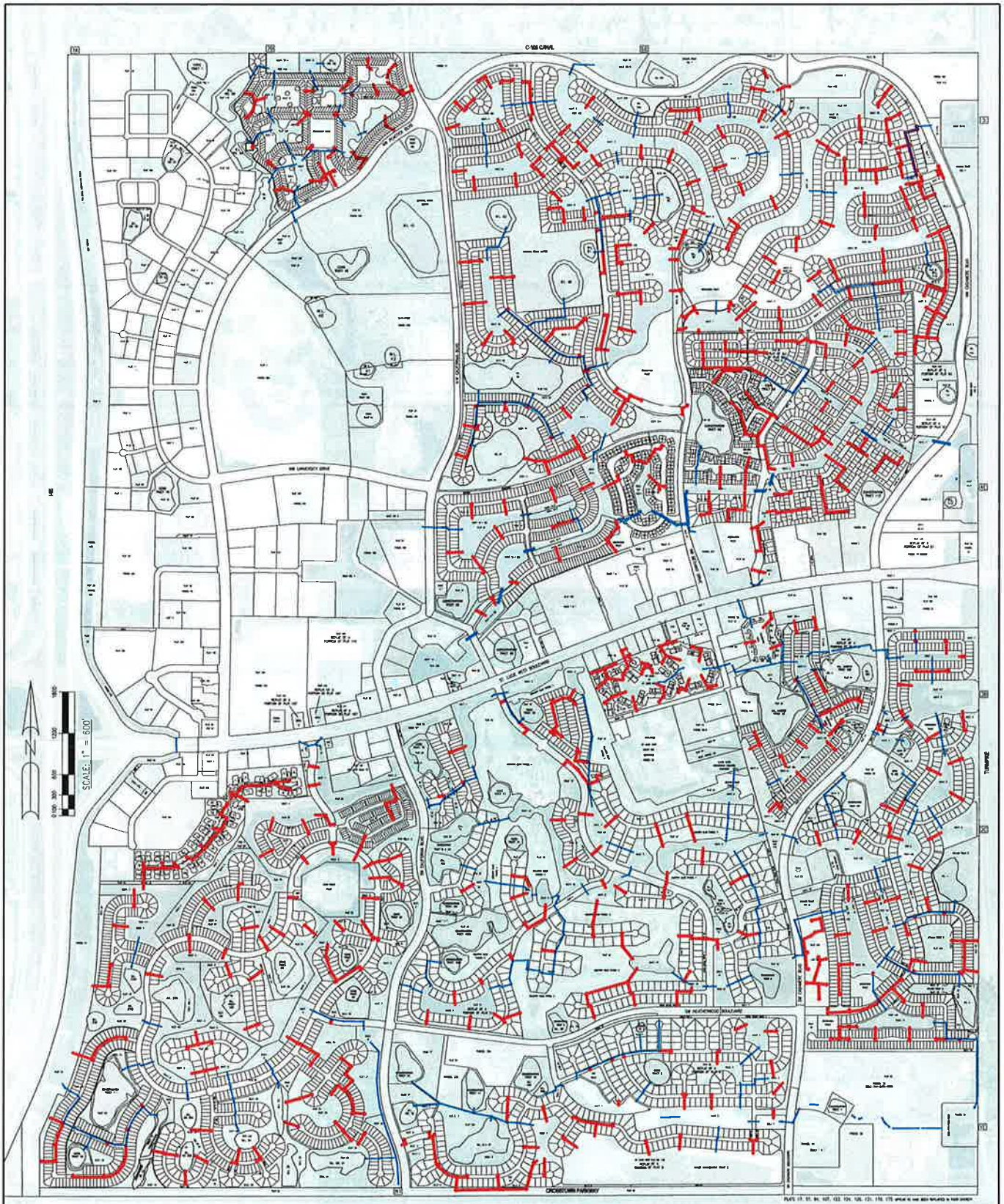
Maintenance Responsibility	HOA					DISTRICT				
Community	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal
V 51			$ 1,750							
V 54A					$ 1,500					
Method Sub-Total	**$ -**	**$ -**	**$ 4,100**	**$ -**	**$ 3,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,500**
Community Total	**$**				**7,100**	**$**				**1,500**
Cascades										
CAS 5			$ 2,750							
CAS 7								$ 1,750		
CAS 8								$ 1,750		
CAS 9								$ 1,750		
CAS 17	$ 7,000									
CAS 19A						$ 7,000				
CAS 20			$ 1,260							
CAS 27			$ 1,950							
CAS 41	$ 7,000									
CAS 48A			$ 1,750							
CAS 56A			$ 2,150							
CAS 63			$ 2,150							
CAS 68A	$ 6,500									
CAS 76			$ 750							
CAS 76A			$ 1,300							
CAS 88								$ 1,800		
CAS 95	$ 6,500									
CAS 96						$ 7,000				
CAS 119			$ 2,050							
CAS121A					$ 1,500					
Method Sub-Total	**$ 27,000**	**$ -**	**$ 16,110**	**$ -**	**$ 1,500**	**$ 14,000**	**$ -**	**$ 7,050**	**$ -**	**$ -**
Community Total	**$**				**44,610**	**$**				**21,050**

Maintenance Responsibility	HOA					DISTRICT				
Community	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal
Magnolia Lakes										
MAG 07B			$ 2,200							
MAG 11			$ 2,100							
MAG 15B	$ 7,000									
MAG 17			$ 1,850							
MAG 18			$ 1,750							
MAG 20										$ 1,500
MAG 24			$ 1,800							
MAG 24B	$ 7,000									
MAG 25			$ 2,150							
MAG 26B			$ 2,325							
MAG 27B			$ 2,150							
MAG 28	$ 7,000									
MAG 34	$ 7,000									
MAG 35A	$ 6,500									
MAG 39A			$ 1,850							
Method Sub-Total	**$ 34,500**	**$ -**	**$ 18,175**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,500**
Community Total	**$**				**52,675**	**$**				**1,500**
Outdoor Resorts										
ODR 12A										$ 1,500
ODR 19A			$ 2,200							
Method Sub-Total	**$ -**	**$ -**	**$ 2,200**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,500**
Community Total	**$**				**2,200**	**$**				**1,500**
Belmont										
TB 3B			$ 1,260							
TB 21			$ 1,680							
Method Sub-Total	**$ -**	**$ -**	**$ 2,940**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Community Total	**$**				**2,940**	**$**				**-**

Maintenance Responsibility	HOA					DISTRICT				
Community	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal	Dig & Replace	Mud Work	Heavy Clean	CIP Liner	Weko Seal
The Club										
Method Sub-Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Total	$				-	$				-
Westbrook Isles										
WB 14			$ 1,680							
WBI 1			$ 2,070							
Method Sub-Total	$ -	$ -	$ 3,750	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Community Total	$				3,750	$				-
Method Sub-Total	$ 102,500	$ 6,750	$ 95,665	$ 10,000	$ 19,500	$ 14,000	$ 1,500	$ 21,630	$ -	$ 7,500
Grand Total	$				234,415.00	$				44,630.00

EXHIBIT 6

District Maintenance Responsibility Map



MAINTENANCE RESPONSIBILITY

DISTRICT

HOA

ST. LUCIE WEST SERVICES DISTRICT

ARCADIS
ARCADIS U.S., Inc.
EB7917 / LB7062
2081 Vista Parkway
West Palm Beach, Florida 33411
Tel: (561) 687-7000 Fax: (561) 687-7751
www.arcadis-us.com

Path\Name: G:\AP\projects\LWR_WP\WP083500\Base Maps\DRAINAGE INVENTORY\ES\SPU DRAINAGE INVENTORY 8.5 x11.dwg Tue, 01 May 2012 - 2:55pm