

ISSUING DEPARTMENT INPUT DOCUMENT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. FB-01144
Contract
 Re-Bid
 Other – _____
 LIVING WAGE APPLIES: YES NO

Requisition No./Project No.: EVN0000478
 TERM OF CONTRACT 5 YEAR(S) WITH 0 YEAR(S) OTR

Requisition /Project Title: VIDEO INSPECTION SERVICES FOR LEACHATE PIPES

Description:

The purpose of this solicitation is to establish a contract to provide jetting and maintenance cleaning, water blasting services, video inspections, and miscellaneous services of the landfill leachate transmission and under drain piping for Miami-Dade County landfills (County).

Issuing Department: SPD
 Contact Person: Martha Garofolo
 Phone: 305-375-4265
 Estimate Cost/Value: \$959,400.00
 GENERAL FEDERAL OTHER
 Funding Source: _____ _____ _____ Proprietary Funds

ANALYSIS

<u>Commodity Codes:</u>	<u>96292</u>	_____	_____	_____
Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history.				
	<u>EXISTING</u>	<u>2ND YEAR</u>	<u>3RD YEAR</u>	
Contractor:	_____	_____	_____	
Small Business Enterprise:	_____	_____	_____	
Contract Value:	_____	_____	_____	
Comments:	_____			

Continued on another page (s): YES NO

RECOMMENDATIONS

	Set-Aside	Subcontractor Goal	Bid Preference	Selection Factor
SBE	_____	_____	_____	_____

Basis of Recommendation:

Signed: <u>Martha Garofolo</u>	Date sent to SBD: <u>5/1/23</u>
	Date returned to SPD: _____

SECTION 2

ADDITIONAL/SPECIAL TERMS AND CONDITIONS

2.1 PURPOSE

The purpose of this solicitation is to establish a contract to provide jetting and maintenance cleaning, water blasting services, video inspections, and miscellaneous services of the landfill leachate transmission and under drain piping for Miami-Dade County landfills (County).

2.2 TERM OF CONTRACT

This Contract shall commence on the first calendar day of the month succeeding approval of the Contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Purchase Order issued by the County. The contract shall expire on the last day of the sixty (60) month contract term.

2.3 DEFINITIONS

Cells - Specially built areas for the receipt of waste that meet all the environmental and engineering requirements.

Header - An access point for a pipe.

2.4 METHOD OF AWARD

The award of this contract will be made to the two lowest responsive, responsible Bidder in the aggregate who meets the qualifications listed below. The County will award each work assignment based on pricing and availability. To be considered for award, Bidders must submit an offer on all items listed in Section 4.0.

2.5 QUALIFICATION CRITERIA

Bidders must meet the following requirements to be considered for award:

2.5.1 Bidder or Bidder's Subcontractor shall be regularly engaged in the business of providing jetting and maintenance cleaning, water blasting services, video inspections, and miscellaneous services of the landfill leachate transmission and under drain piping for Miami-Dade County landfills (County). Bidder or Bidder's Subcontractor shall provide three (3) different references from customers to whom the Bidder or Bidder's Subcontractor has provided or is currently providing the goods and services as described throughout this Solicitation. The reference letters shall describe the type of service, the quality of service and length of service that the Bidder or Bidder's Subcontractor provided. Said services must have been provided within the past two (2) years. In lieu of the references from the Bidder or Bidder's Subcontractor, the County will consider the references from Bidder's key personnel in accordance with Resolution No. 1122-21. The references shall include the customer's company name, and the contact person's name, title, address, telephone number, and e-mail address, who can verify that the Bidder/key personnel/Subcontractor has successfully provided the goods/services (Section 4: Bid Submittal – Required Criteria). The County shall ascertain from these references to its satisfaction that the Bidder has sufficient experience and expertise providing jetting and maintenance cleaning, water blasting services, video inspections, and miscellaneous services of the landfill leachate transmission and under drain piping for Miami-Dade County landfills (County).

2.5.2 The cameras the Bidder or Bidder's Subcontractor will utilize to provide services of leachate lines must be certified by the manufacturer as explosion proof. Bidder or Bidder's Subcontractor shall provide proof that the cameras that will be used to provide services are "explosion proof".

2.5.3 The Bidder must have a minimum of two (2) cameras available for the provision of the service. Bidder shall provide a copy of receipt of purchase as proof.

2.6 PRICES

The initial contract prices resultant from this solicitation shall prevail for no less than one (1) year from the contract's initial effective date. The County may consider an adjustment after the first year period, to be effective each anniversary date of the contract. The pricing adjustment shall not be in excess of the increase reflected on the latest Consumer Price Index (CPI) for All Urban Consumers, All Items, Miami and Ft. Lauderdale Area. It is the Awarded Bidder's responsibility to request any price adjustment under this provision. For any adjustment to be effective, it must be submitted ninety (90) days prior to the expiration of the then current anniversary date/year. Any adjustment received after ninety (90) days from the expiration of the then current date/year shall not be considered. The County reserves the right to reject any price adjustments submitted by the Awarded Bidder. If no adjustment request is received, the County will assume that the Awarded Bidder has agreed that the next year term will be without any price adjustment.

It shall be further understood that the County reserves the right to reject any price adjustments submitted by the Bidder, and/or to terminate the contract with the Bidder based on such price adjustments.

Should the relevant pricing index report a decline in the inflation rate, the County shall have the right to adjust prices downward to reflect the index change. The downward adjustment shall not be in excess of the relevant pricing index change.

2.7 INSURANCE PENDING RISK REVIEW

The following clauses shall replace the insurance requirement listed in Section 1.22, Paragraph A.2, for Commercial General Liability Insurance and Paragraph A.3, for Automobile Liability Insurance:

Commercial General Liability Insurance on a comprehensive basis, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage. Miami- Dade County must be shown as an additional insured with respect to this coverage.

Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.

2.8 COMPLIANCE WITH FEDERAL STANDARDS

All services to be purchased under this contract shall be in accordance with all governmental standards, to include, but not limited to, those issued by the Occupational Safety and Health Administration (OSHA).

2.9 SERVICES AND FACILITIES MAY BE ADDED OR DELETED

It is hereby agreed and understood that similar or additional services may be added to this contract at the County's option. It is also agreed and understood that the County may add or delete facilities to this contract at the County's option. Vendor(s) under this contract shall be invited to submit price quotes for these additional services and/or facilities. If these quotes are determined to be fair and reasonable, then the additional work will be awarded to the current contract Vendor(s) that offers the lowest acceptable pricing. The County may determine to obtain price quotes for the additional services from other Vendors in the event that fair and reasonable pricing is not obtained from the current contract Vendors, or for other reasons at the County's discretion.

2.10 AVAILABILITY OF CONTRACT TO OTHER COUNTY DEPARTMENTS

Although this Solicitation is specific to various County Departments, it is hereby agreed and understood that any County department or agency may avail itself of this contract and purchase video inspection and miscellaneous services of the landfill leachate transmission and under drain piping services the Awarded Vendor.

SECTION 3

SCOPE OF WORK/TECHNICAL SPECIFICATIONS

3.1 BACKGROUND

Miami-Dade County owns and operates the North Dade, South Dade, and Resources Recovery Landfills. Each landfill has a leachate collection system. The North Dade Landfill has approximately 5,500 linear feet of high density polyethylene (HDPE) pipes and the South Dade Landfill has approximately 3,200 linear feet of HDPE pipes. The leachate collection system at the Resources Recovery Landfill consists of high density polyethylene (HDPE) and polyvinylchloride (PVC) with an estimated linear feet of 5,700.

The leachate pipes must be jet-cleaned and videotaped at minimum every five years in accordance with State of Florida regulations. However, the County anticipates that it will need jet cleaning and videotaping services on a yearly basis at its Resources Recovery Landfill and every two years at the North Dade Landfill and South Dade Landfill. Additional service may be requested if needed throughout the term of the contract.

3.2 SCOPE OF WORK

The Awarded Bidder shall furnish all labor, tools, equipment, materials, and supplies required to provide video inspection and miscellaneous services of the landfill leachate transmission and under drain piping at the following Miami-Dade County landfills:

- Resources Recovery Landfill (RRL) – 6990 NW 97th Avenue, Doral, FL
- North Dade Landfill (NDL) – 21500 NW 47th Avenue, Miami, FL
- South Dade Landfill (SDL) – 23707 SW 97th Avenue, Miami, FL

The Awarded Bidder shall be responsible for directly providing all the required services. None of the services shall be sub-contracted.

3.3 JETTING AND MAINTENANCE CLEANING SERVICES

1. The Awarded Bidder shall clear all televised lines of all obstructions, blockages, or sediments through the use of high-pressure water jetting that has a minimum of 3,000 pressure per square inch (PSI).
2. Maintenance Cleaning – shall be defined as cleaning requiring up to three (3) passes of high pressure water jetting to achieve a minimum 95% open area.
3. During performance and upon completion of work, the Awarded Bidder will remove all unused equipment and instruments of service, all excess or unsuitable material, trash, rubbish and debris, and legally dispose of same, unless otherwise directed by these specifications. The Awarded Bidder shall leave the entire area in a neat, clean and acceptable condition.

3.4 VIDEO INSPECTION SERVICES

1. Awarded Bidder shall perform video inspection and taping of the interior of all piping systems which shall include but not be limited to joints, bends, valves and manholes. Confined space entry (manholes) and a methane rich atmosphere in the piping systems are anticipated.
2. The Awarded Bidder shall verify footage counter accuracy prior to the start of the CCTV inspection work. The camera set point (footage counter set point) shall be from the end of the pipeline to the focal point in the direction of camera travel. The footage counter shall always appear on the screen. The camera shall travel at a maximum speed of 30 fpm with slowdowns at joints.

The camera shall stop and pan or tilt as needed to observe and clearly identify the following:

- Camera Set Point
- Joint separation (gap)

- Offset joints
 - Alignment problems and elbows
 - Cracked or damaged pipe including lined or point repaired pipe
 - Debris in the main line
 - Identifiable sags or high points in the main line
 - Root intrusion
 - Inflow or infiltration
 - Corrosion
 - Material Changes
 - Diameter Changes
 - End of the pipeline – End of the pipe
3. A recording of the televised storm drain inspection shall be provided, locating all defects and any pipeline connections entering the pipeline.
 4. All videos must be formatted to allow the videos to be played independently from any video inspection software. Video inspections that require other than a standard media player shall not be acceptable. No video inspections recorded on VHS tapes shall be allowed.
 5. Continuous digital video recordings of the inspections as they appeared during the inspection shall be transmitted to DWR. The recordings shall be used as a permanent record of defects. The digital video encoding shall include video information.
 6. The self-propelled transporter must be equipped with appropriate wheels or tracks to provide a smooth inspection. Inspections where the camera is bouncing up and down will not be accepted.
 7. The beginning of each inspection video shall include header information about the pipeline and a brief view of the area including at least one notable feature if possible.
 8. The camera shall stop and view all defects located within the pipeline. The defects must be viewed long enough and from multiple angles if necessary to allow clear identification of the nature of the defect.
 9. If a blockage cannot be removed and hampers the televising of the storm drain in one direction then an attempt shall be made to complete the section by televising from the other end of the pipeline to complete the section.
 10. The inspection system must be able to collect all necessary data in either the forward or reverse direction.
 11. The CCTV data recording shall begin as the camera is being lowered into the pipeline and include scanning the end of the pipeline for observations before the pipeline inspection is started. All observations at the end of the pipeline shall be recorded at footage "0.0" of the pipe being inspected. The camera shall then be pointed down to scan the end of the pipeline and, with the video running, slowly lowered into the pipeline with the camera head pointed in the direction of the flow in the pipe. If a defect in the end of the pipeline is observed, the camera shall be panned and zoomed to obtain a closer view of the defect. The camera shall be set into the bottom of the pipeline in the direction of the inspection and the video stopped after panning up.

3.5 **WATER BLASTING SERVICES**

The Awarded Bidder shall provide high pressure water-blasting services with a maximum of 10,000 PSI on as needed basis for scale buildup removal per lineal foot. Situations requiring the use of heavy cleaning may include, but are not limited to, large amounts of debris or heavy root growth within the existing sewer line. Heavy cleaning shall not be conducted without prior approval of the County.

3.6 **VACTOR SERVICES**

The Awarded Bidder shall provide vactor service for removal of scale/solids from manholes/piping in addition to digesters and clarifiers. Bidder shall provide an hourly rate for the vactor services

which shall include any and all labor, equipment including vector truck, materials including water usage and incidental costs. Vector service will be for water supply not associated with typical video inspections.

3.7 GENERAL REQUIREMENTS

1. The County makes no guarantee stated or implied as to a minimum amount of feet to be video inspected at each site. In addition, the County shall assume no liability due to obstructions, pipe failure or accumulated water resulting in damage, submerged, lost, or stuck camera(s) or associated equipment. The leachate collection and under drain systems consists of a variety of pipe types and information to be used as a guide and is to be verified by the Awarded Bidder.
2. All equipment shall be in excellent working condition and with interchangeable heads for different pipe sizes.
3. The Awarded Bidder shall deliver to the Department within thirty (30) days of completing services at any site, four (4) copies of the following items:
 - A. Digital video disk (DVD) of recorded video inspection with index of the location and time on video of pipe damage and other areas of interest.
 - B. A written report noting damaged areas of pipe as recorded on the digital video disk. The location and time on digital video disc of damaged areas of pipe shall be stated in the report. Other information such as date, time, and length of pipeline inspected, shall be noted in the report as well.
 - C. Schematic drawing identifying the location of noted damage.
4. A Purchase Order, which will serve as a "Notice to Proceed".
5. All data and video recording will become the sole property of the County without restrictions of future use, duplication, modification, and dissemination. The Awarded Bidder shall have no vested rights to the completed work and may not sell or reuse it without the County's permission.

3.8 CAMERA EQUIPMENT SPECIFICATIONS

1. Camera equipment, camera crawler/carrier and other related equipment which are to be used in the potentially methane rich atmospheres are to be certified by the equipment manufacturer as explosion proof. All Equipment to be used for this application must conform to Occupational Safety & Health Administration (OSHA) regulations.
2. Inspections shall be performed using a color pan and tilt camera or a side wall scanning (panoramic) camera specifically designed and constructed for storm drainage or storm drain pipeline inspection.
3. The lighting for the pan and tilt camera or side wall scanning camera shall provide a clear picture of the entire periphery of the existing storm drain. The camera shall include a remote adjustable optical focus and automatic light compensation iris with remote override, camera controller with remote focus, iris and auto centering control and camera lighting system. Illumination sensitivity shall be 3 lux or less. During inspection, lighting intensity shall be adjusted to minimize glare. Lighting and picture quality shall be adjusted to provide a clear, in-focus picture of the entire periphery of the pipe for all conditions encountered. Lighting shall be adjusted according to the size of the pipe.
4. The pan and tilt camera shall pause, pan, and visually inspect all service connections, pipe ends, and maintenance or structural defects.
5. If utilizing a camera with side wall scanning capabilities, pausing and panning of each lateral is not necessary during the inspection if the image clearly depicts the inside of the lateral for post processing.
6. There shall be no geometrical distortion of the image. The camera and monitor shall be able to produce a minimum 460 lines of horizontal resolution and 400 lines of vertical resolution. Focal distance shall be adjustable from a range of 1 inch to infinity. The camera shall be mounted on skids or a tractor suitably sized for each pipe diameter to be

inspected. The camera shall move through the pipe in a downstream direction whenever possible at a maximum uniform rate of 30 feet per minute (fpm). Maximum allowable for all the footage counters shall not exceed 0.5%.

3.9

SITES DESCRIPTION

Resources Recovery Landfill (RRL) located at 6990 N.W. 97 Avenue

- This mono-fill landfill covers approximately 80 acres; 26.5 acres have reached their designated elevation and are not actively receiving waste and are situated in the northwest corner of the site. Twenty (20) acres in the southwest corner (Cells 17 & 18) are closed; the north side of Cell 19 is also closed, Cell 20 is active.
- The leachate collection system consists of a variety of pipe types including high density polyethylene (HDPE) pipe, and polyvinylchloride (PVC) pipe.

Estimated Headers (RRL): The longest length line segment is +/-750' with access at both ends. The under drains longest length line segment is +/-1000' with access from both ends.

North Dade Landfill (NDL) located at 21500 N.W. 47 Avenue

- The NDL covers approximately 220 acres. Video inspection work will be performed for the east cell only, which is approximately 110 acres. All under drain and transmission piping are 8" – 12" HDPE. The east cell is currently operational. Access is from the east via manholes only.

Estimated Headers: The header's longest length line segment is +/-875' with access from both ends. The under drain's longest length line segment is +/-2000' with access from one end. Refer to Attachment B provided as part of this solicitation.

South Dade Landfill (SDL) located at 23707 S.W. 97th Avenue

- The developed portion of the SDL covers approximately 160 acres. Roughly one hundred ten (110) acres are closed and occupy the east portion of the site (cells 1, 2 & 3) and fifty (50) acres are currently in operation (Cell 4). In addition +/-50' acres will be constructed and are awaiting operation (Cell 5).

Cell	Pipe Locations	Type	Approx. Length	No.	Access
1	East Perimeter	PVC	2000	1	N/S Manholes
2	Underdrains	PVC	2000	3	N/S Manholes
3	Underdrains	HDPE	1000	4N	N Manholes
3	Underdrains	HDPE	1000	4S	S Manholes
4	Underdrains	HDPE	1000	4N	N Manholes
4	Underdrains	HDPE	1000	4S	S Manholes
	Header Berms	PVC	8000		Manholes
		HDPE			Life Stations

Note There are several manholes No run (length of line) will exceed 1000 feet. The longest continuous run is 1000 feet.

Estimated Headers (SDL): The longest length line segment is +/-2000' with access from both ends. The under drain's longest length line segment is +/-2000' with access from both ends. Refer to Attachment C provided as part of this solicitation.

3.10 SAFETY & PROTECTION

The Awarded Bidder shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the scope of services. Awarded Bidder shall comply with all applicable laws and regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection.

DRAFT

SECTION 4
BID SUBMITTAL FORM

BIDDER: _____

PRICING

Resources Recovery Landfill (Estimated quantities are based on annual usage)				
Item No.	Estimated Qty Per Year	Unit of Measure	Description	Unit Price
1		Linear Feet	Jetting & Maintenance Cleaning Services per section 3.3	<u>Unit Prices for items 1 thru 2 to be Provided in INFORMS</u>
2		Linear Feet	Video Inspection Services per section 3.4	
North and South Dade Landfills (Estimated quantities are based on usage every 2 years)				
Item No.	Estimated Qty. Every Two (2) Years	Unit of Measure	Description	Unit Price
3		Linear Feet	Jetting & Maintenance Cleaning Services per section 3.3	<u>Unit Prices for items 3 thru 4 to be Provided in INFORMS</u>
4		Linear Feet	Video Inspection Services per section 3.4	
(Estimated quantities are based on the 5 year term)				
Item No.	Estimated Qty. for Six (5) Years	Unit of Measure	Description	Unit Price
5		Linear Feet	Water Blasting Services per section 3.5	<u>Unit Prices for items 5 thru 6 to be Provided in INFORMS</u>
6		Hours	Vactor Services per section 3.6	

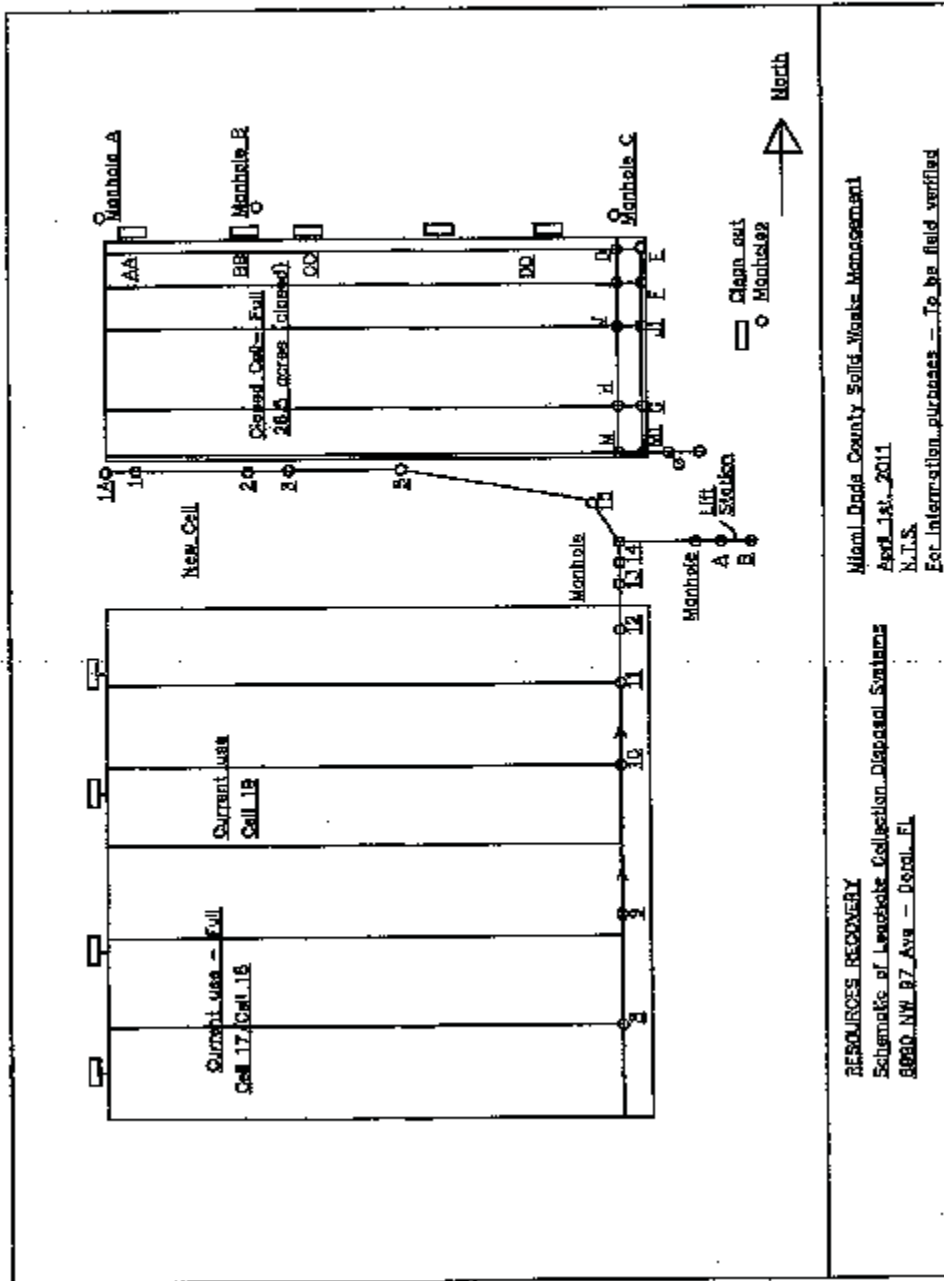
SECTION 4

BID SUBMITTAL REQUIRED CRITERIA

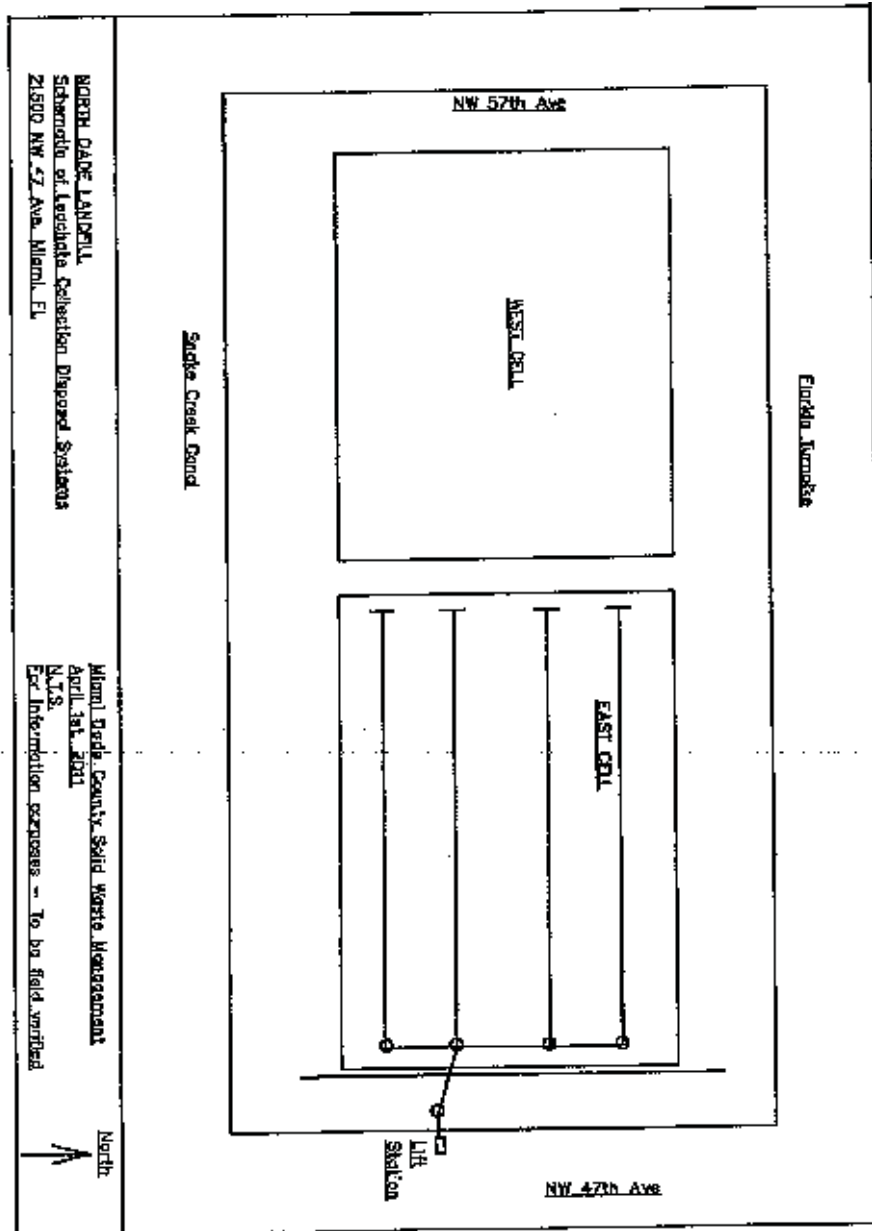
TO BE COMPLETED BY ALL BIDDERS	
	Refer to Paragraph 2.5 to ensure that Bidder's responses and attachments comply with the Solicitation's requirements.
Paragraph Reference	Bidder Requirements
2.	<p>Bidder or Bidder's Subcontractor shall be regularly engaged in the business of providing jetting and maintenance cleaning, water blasting services, video inspections, and miscellaneous services of the landfill leachate transmission and under drain piping for Miami-Dade County landfills (County). Bidder or Bidder's Subcontractor shall provide three (3) different references from customers to whom the Bidder or Bidder's Subcontractor has provided or is currently providing the goods and services as described throughout this Solicitation. The reference letters shall describe the type of service, the quality of service and length of service that the Bidder or Bidder's Subcontractor provided. Said services must have been provided within the past two (2) years. In lieu of the references from the Bidder or Bidder's Subcontractor, the County will consider the references from Bidder's key personnel in accordance with Resolution No. 1122-21. The references shall include the customer's company name, and the contact person's name, title, address, telephone number, and e-mail address, who can verify that the Bidder/key personnel/Subcontractor has successfully provided the goods/services (Section 4: Bid Submittal – Required Criteria). The County shall ascertain from these references to its satisfaction that the Bidder has sufficient experience and expertise providing jetting and maintenance cleaning, water blasting services, video inspections, and miscellaneous services of the landfill leachate transmission and under drain piping for Miami-Dade County landfills (County).</p> <p>Reference Company Name No. 1:</p> <p>Is reference for the Bidder, Subcontractor, or key personnel: <input type="text"/></p> <p>If Subcontractor, then identify the name of the Subcontractor: <input type="text"/></p> <p>If key personnel, then identify the name of the key personnel: <input type="text"/></p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference Company 1."</p> <p>Contact's name: _____ Title: _____</p> <p>Address: _____</p> <p>Phone Number: _____ Email: _____</p> <p>Reference Company Name No. 2: <input type="text"/></p> <p>Is reference for the Bidder, Subcontractor, or key personnel: <input type="text"/></p>

	<p>If Subcontractor, then identify the name of the Subcontractor: <input type="text"/></p> <p>If key personnel, then identify the name of the key personnel: <input type="text"/></p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference Company 2."</p> <p>Contact's name: _____ Title: _____</p> <p>Address: _____</p> <p>Phone Number: _____ Email: _____</p> <p>Reference Company Name No. 3: <input type="text"/></p> <p>Is reference for the Bidder, Subcontractor, or key personnel: <input type="text"/></p> <p>If Subcontractor, then identify the name of the Subcontractor: <input type="text"/></p> <p>If key personnel, then identify the name of the key personnel: <input type="text"/></p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference Company 3."</p> <p>Contact's name: _____ Title: _____</p> <p>Address: _____</p> <p>Phone Number: _____ Email: _____</p>	
2.5.2	The cameras the Bidder or Bidder's Subcontractor will utilize to provide services of leachate lines must be certified by the manufacturer as explosion proof. Bidder or Bidder's Subcontractor shall provide proof that the cameras that will be used to provide services are "explosion proof".	<input type="checkbox"/>
2.5.3	The Bidder must have a minimum of two (2) cameras available for the provision of the service. Bidder shall provide a copy of receipt of purchase as proof.	<input type="checkbox"/>

Attachment - A



Attachment - B



Attachment - C

