

SECTION 00300 – PROPOSAL

TO THE MAYOR AND COMMISSIONERS
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED 9/19/14

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Bid Form, Form of Bid Bond, Form of Contract and Form of Performance Bond, General, Supplementary and Technical Specifications, Addenda, Drawings, and MBE/WBE Program, Exhibit A-D, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

The undersigned BIDDER has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other BIDDER of parties to this bid whatever.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, Supplementary Conditions and Drawings shall be made a part for the performance of Work described therein; to furnish the necessary bond equal to one hundred (100) percent of the total Contract base bid, the said bond being in the form of a Cash Bond or Surety Bond prepared on the applicable approved bond form furnished by the CITY; to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation, supervision, labor and all means necessary to construct and complete the work specified in the Proposal and Contract and called for in the Drawings and in the manner specified; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to substantially complete all Contract Work as per Project Schedule of Section 00800, and stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result therefrom, and to abide by the MBE/WBE Program.

The BIDDER acknowledges receipt of the following addenda:

No. <u>1</u>	Dated <u>9/15/14</u>
No. _____	Dated _____
No. _____	Dated _____

And the undersigned agrees that in case of failure on his part to execute the said Contract and

ORIGINAL

the Bond within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the

N/A Bank of N/A

or approved Bid Bond for the sum of

10% of Bid Amount Dollars (\$ 10%) according to the conditions under the Instructions to Bidders and provisions therein.

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign Contracts on behalf of the corporation and corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners authorized to sign Contracts in behalf of the partnership; and if the Bidder is an individual, his signature shall be placed below; if a partnership, the names of the general partners.

WHEN THE BIDDER IS AN INDIVIDUAL:

(Signature of Individual)

(Printed Name of Individual)

(Address)

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

(Name of Firm)

(Address)

(SEAL)
(Signature of Individual)

WHEN THE BIDDER IS A PARTNERSHIP:

(Name of Firm) A Partnership

(Address)

By: _____
(SEAL)
(Partner)

Name and Address of all Partners:

WHEN THE BIDDER IS A JOINT VENTURE:

(Correct Name of Corporation)

By: _____
(SEAL)
(Address)

(Official Title)


As Joint Venture
(Corporate Seal)

Organized under the laws of the State of _____, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

WHEN THE BIDDER IS A CORPORATION:

Lanzo Lining Services, Inc.-Florida
d/b/a Lanzo Trenchless Technologies South

(Correct Name of Corporation)

By: 
(SEAL) Kevin Pawlowski

Assistant Secretary

(Official Title)

125 SE 5th Court
Deerfield Beach, FL 33441

(Address of Corporation)

Organized under the laws of the State of Florida, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY OF RESOLUTION OF
BOARD OF DIRECTORS

Lanzo Lining Services, Inc.-Florida d/b/a Lanzo Trenchless Technologies South
(Name of Corporation)

RESOLVED that Kevin Pawlowski
(Person Authorized to Sign)

Assistant Secretary of Lanzo Lining Services, Inc.-Florida d/b/a Lanzo Trenchless Technologies South
(Title) (Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation for the following project:


CITY OF HOLLYWOOD, FLORIDA

GRAVITY SEWER SYSTEM CONDITION ASSESSMENT AND RENEWAL AND
REPLACEMENT (INFLOW / INFILTRATION - I / I) PROGRAM (LEVEL 2)

PROJECT NO. 14-7072

The foregoing is a true and correct copy of the Resolution adopted by
Lanzo Lining Services, Inc.-Florida
d/b/a Lanzo Trenchless Technologies South at a meeting of its Board of
(Name of Corporation)

Directors held on the 14th day of Februray, 2011.

By: 
Kevin Pawlowski

Title: Assistant Secretary

(SEAL)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

- END OF SECTION -

SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING & CONSTRUCTION DIVISION

PROPOSAL BID FORM (Revised 09/15/14)

Project Name: Cured-In-Place-Pipe (CIPP) Lining

Project No.: 14-7072

If this Proposal is accepted, the undersigned Bidder agrees to complete all work under this contract within **730** calendar days following the issuance of the Notice to Proceed. Provide a unit price for each line item. All entries on this form must be typed or written in block form in ink.

BASE BID:

<u>No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1	Install CIP liner, 6-inch diameter gravity mains (up to 8 feet in depth)		L.F.	30.00	
2	Install CIP liner, 8-inch diameter gravity mains (up to 8 feet in depth)	5,000	L.F.	22.00	110,000.00
3	Install CIP liner, 8-inch diameter gravity mains (8 to 12 feet in depth)	1,500	L.F.	22.00	33,000.00
4	Install CIP liner, 8-inch diameter gravity mains (12 to 16 feet in depth)	1,500	L.F.	22.00	33,000.00
5	Install CIP liner, 10-inch diameter gravity mains (up to 8 feet in depth)	1,500	L.F.	24.00	36,000.00
6	Install CIP liner, 10-inch diameter gravity mains (8 to 12 feet in depth)	1,500	L.F.	24.00	36,000.00
7	Install CIP liner, 10-inch diameter gravity mains (12 to 16 feet in depth)	1,500	L.F.	24.00	36,000.00
8	Install CIP liner, 12-inch diameter gravity mains (up to 8 feet in depth)	15,000	L.F.	32.00	480,000.00
9	Install CIP liner, 12-inch diameter gravity mains (8 to 12 feet in depth)	3,500	L.F.	32.00	112,000.00
10	Install CIP liner, 12-inch diameter gravity mains (12 to 16 feet in depth)	1,500	L.F.	32.00	48,000.00
11	Install CIP liner, 15-inch diameter gravity mains (up to 8 feet in depth)	5,000	L.F.	25.00	125,000.00
12	Install CIP liner, 15-inch diameter gravity mains (8 to 12 feet in depth)	7,500	L.F.	44.00	330,000.00
13	Install CIP liner, 15-inch diameter gravity mains (12 to 16 feet in depth)	1,500	L.F.	44.00	66,000.00
14	Install CIP liner, 16-inch diameter gravity mains (up to 8 feet in depth)	1,000	L.F.	25.00	25,000.00
15	Install CIP liner, 16-inch diameter gravity mains (8 to 12 feet in depth)	1,000	L.F.	50.00	50,000.00
16	Install CIP liner, 16-inch diameter gravity mains (12 to 16 feet in depth)	1,500	L.F.	56.00	84,000.00

SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING & CONSTRUCTION DIVISION

PROPOSAL BID FORM (Revised 09/15/14)

17	Install CIP liner, 18-inch diameter gravity mains (up to 8 feet in depth)	1,000	L.F.	25.00	25,000.00
18	Install CIP liner, 18-inch diameter gravity mains (8 to 12 feet in depth)	5,500	L.F.	50.00	275,000.00
19	Install CIP liner, 18-inch diameter gravity mains (12 to 16 feet in depth)	1,000	L.F.	56.00	56,000.00
20	Install CIP liner, 21-inch diameter gravity mains (up to 8 feet in depth)	1,000	L.F.	25.00	25,000.00
21	Install CIP liner, 21-inch diameter gravity mains (8 to 12 feet in depth)	2,500	L.F.	72.00	180,000.00
22	Install CIP liner, 21-inch diameter gravity mains (12 to 16 feet in depth)	1,000	L.F.	72.00	72,000.00
23	Install CIP liner, 20 to 21-inch diameter gravity mains (UP to 8 feet in depth)	3,500	L.F.	25.00	87,500.00
24	Install CIP liner, 20 to 21-inch diameter gravity mains (8 to 12 feet in depth)	1,500	L.F.	72.00	108,000.00
25	Install CIP liner, 20 to 21-inch diameter gravity mains (12 to 16 feet in depth)	1,000	L.F.	72.00	72,000.00
26	Install CIP liner, 24-inch diameter gravity mains (All depths)	6,500	L.F.	98.00	637,000.00
27	Install CIP liner, 30-inch diameter gravity mains (All depths)	7,500	L.F.	108.00	810,000.00
28	Install CIP liner, 36-inch diameter gravity mains (All depths)	1,500	L.F.	138.00	207,000.00
29	Install CIP liner, 42-inch diameter gravity mains (All depths)	1,500	L.F.	198.00	297,000.00
30	Install CIP liner, 48-inch diameter gravity mains (All depths)	2,500	L.F.	228.00	570,000.00
31	Install CIP liner, 72-inch diameter gravity mains (All depths)	500	L.F.	500.00	250,000.00
32	Excavate & cut 12 inch FM, attach bypass piping system, bypass flow of 12" FM, restore FM (see Note #4)		EA	58,000.00 48,000.00	
33	Excavate & cut 16 inch FM, no bypass		EA	78,000.00 68,000.00	

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SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING & CONSTRUCTION DIVISION

PROPOSAL BID FORM (Revised 09/15/14)

34	Excavate & cut 16 inch FM, attach bypass piping system, bypass flow of 16" FM (see Note #4)		EA	88,000.00 98,000.00		(FT)
35	Excavate & cut 24 inch FM, attach bypass piping system, bypass flow of 24" FM, restore FM (see Note #4)		EA	128,000.00 138,000.00		(FT)
36	Excavate & cut 30 inch FM, attach bypass piping system, bypass flow of 30" FM, restore FM (see Note #4)		EA	188,000.00 198,000.00		(FT)
37	Excavate & cut 36 inch FM, attach bypass piping system, bypass flow of 36" FM, restore FM (see Note #4)		EA	228,000.00 238,000.00		(FT)
38	Install CIP sectional pipe liners, 8-inch to 12-inch diameter (up to 6 feet in length, all depths)		EA	3,200.00		
39	Install CIP sectional pipe liners, 8-inch to 12-inch diameter (per linear foot beyond 6 feet in length, all depths)		L.F.	320.00		
40	Install CIP sectional pipe liners, 15-inch to 18-inch diameter (up to 6 feet in length, all depths)		EA	4,400.00		
41	Install CIP sectional pipe liners, 15-inch to 18-inch diameter (per linear foot beyond 6 feet in length, all depths)		L.F.	440.00		
42	Install CIP sectional pipe liners, 21-inch diameter (up to 6 feet in length, all depths)		EA	5,600.00		
43	Install CIP sectional pipe liners, 21-inch diameter (per linear foot beyond 6 feet in length, all depths)		L.F.	560.00		
44	Install CIP liner 16" force main	7,500	L.F.	60.00 70.00	450,000.00 675,000.00	(FT)
45	Install CIP liner 24" force main	2,500	L.F.	80.00 110.00	200,000.00 275,000.00	(FT)
46	Reinstate laterals and grout annular space		EA	585.00		

SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING & CONSTRUCTION DIVISION

PROPOSAL BID FORM (Revised 09/15/14)

47	Recut lateral insufficiently reinstated by others		EA	300.00	
48	Grout annular space following recut of lateral insufficiently reinstated by others		EA	425.00	
49	Install T-liner in 8-inch to 12-inch mains with 4-inch to 6-inch laterals., all depths (includes 25 feet of lateral)	40	EA	3,500.00	140,000.00
50	Install T-liner in 15-inch to 18-inch mains with 4-inch to 6-inch laterals., all depths (includes 25 feet of lateral)		EA	5,500.00	
51	Install T-liner in 21-inch mains with 4-inch to 6-inch laterals., all depths (includes 25 feet of lateral)		EA	6,500.00	
51.a	Install a T-Liner in, stack pipe, double lateral, 8 to 12-inch main 4 to 6 inch stack, full circle main connection, min 25 LF of lateral each way (all depht).	10	EA	5,500.00	55,000.00
51.b	Install a T-Liner in, stack pipe, double lateral, 15 to 18-inch main 4 to 6 inch stack, full circle main connection, min 25 LF of lateral each way (all depht).	10	EA	5,500.00	55,000.00
52	Install T-liner in 4-inch to 6-inch laterals., all depths (per linear foot beyond 25 feet of lateral)		L.F.	220.00	
53	Transitional liner 6-inch to 4-inch		EA	500.00	
54	Coating removal		EA	100.00	
55	Lateral grouting (if required in preparation for T-Liner, lateral liner, or mainline/lateral connection interface seal installation)		EA	400.00	
56	Install CIP liner in 4-inch to 6-inch laterals., all depths (includes 25 feet of lateral)		EA	2,800.00	
57	Install CIP liner in 4-inch to 6-inch laterals., all depths (per linear foot beyond 25 feet of lateral)		L.F.	280.00	

SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING & CONSTRUCTION DIVISION

PROPOSAL BID FORM (Revised 09/15/14)

58	Install CIP mainline/lateral connection interface seal in any size main with 4-inch to 6-inch laterals., all depths		EA	4,800.00	
59	Sewer main cleaning and TV inspection (6-inch through 12-inch)	32,500	L.F.	2.50	81,250.00
60	Sewer main cleaning and TV inspection (15-inch through 21-inch)	35,500	L.F.	3.50	113,750.00
61	Sewer main cleaning and TV inspection (24-inch through 48-inch)	19,500	L.F.	4.50	87,750.00
62	Sewer lateral cleaning and TV inspection from main (up to 30 feet)		EA	600.00	
63	Sewer lateral cleaning and TV inspection from main (beyond 30 feet)		L.F.	6.00	
64	Sewer lateral cleaning and TV inspection from cleanout (up to 30 feet)		EA	800.00	
65	Sewer lateral cleaning and TV inspection from cleanout (beyond 30 feet)		L.F.	8.00	
66	Mechanical root or grease removal (12-inch and smaller)		L.F.	12.00	
67	Mechanical root or grease removal (15-inch through 21-inch)		L.F.	20.00	
68	Mechanical tuberculation/concrete removal (12-inch and smaller)		L.F.	30.00	
69	Mechanical tuberculation/concrete removal (15-inch through 21-inch)		L.F.	40.00	
70	Protruding service connection removal by internal means		EA	400.00	
71	Bypass pumping (6-inch through 10-inch sewer)	15	DAY	400.00	6,000.00
72	Bypass pumping (12-inch and 15-inch sewer)	5	DAY	1,400.00	7,000.00
73	Bypass pumping (18-inch through 21-inch sewer)	34	DAY	1,400.00	47,600.00
74	Bypass pumping (30-48-inch sewer)	96	DAY	4,000.00	384,000.00
75	Cleanout installation in grass area (up to 5 feet in depth)	20	EA	500.00	10,000.00
76	Cleanout installation in asphalt area (up to 5 feet in depth)	20	EA	700.00	14,000.00

SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING & CONSTRUCTION DIVISION

PROPOSAL BID FORM (Revised 09/15/14)

77	Cleanout installation in concrete area (up to 5 feet in depth)	20	EA	1,000.00	20,000.00
78	Cleanout installation (beyond 5 feet in depth)		EA	600.00	
79	Cleanout installation (open trench)		EA	2,800.00	
80	Traffic control - flagman, each		HOURL	25.00	
81	Traffic control - arrow board, each		DAY	150.00	
82	Traffic control - barricade, each		DAY	3.00	
83	Work in rear-yard easement (items 1 through 31)		EA	2,500.00	
84	Work in rear-yard easement (items 38 through 43)		EA	2,500.00	
85	Work in rear-yard easement (item 47)		EA	2,500.00	
86	Work in rear-yard easement (items 49 through 52)		EA	2,500.00	
87	Work in rear-yard easement (item 56)		EA	2,500.00	
88	Work in rear-yard easement (item 58)		EA	2,500.00	
89	Work in rear-yard easement (items 75 through 79)		EA	2,500.00	
90	Expedited mobilization		EA	5,000.00	
91	Undefined Allowance, cost allowance for work as directed by Engineer and upon authorization by the City of Hollywood Director of Public Utilities due to undefined conditions.		1	\$500,000.00	\$500,000.00

BASE BID TOTAL FOR COMPLETE PROJECT

~~7,446,850.00~~

7,746,850.00 (FT)

TOTAL BASE BID IN WRITING

Seven Million ^{Seven} Four Hundred Forty Six Thousand Eight Hundred

Fifty Dollars and No Cents

NOTES:

- 1 REFER TO SECTION 01025 FOR ADDITIONAL DESCRIPTION OF ITEMS.
- 2 SUBSTANTIAL COMPLETION SHALL BE AS DEFINED IN THE PROJECT SCHEDULE IN THE SUPPLEMENTARY GENERAL CONDITIONS (SGC'S).
- 3 CLOSEOUT SHALL BE COMPLETED WITHIN 730 DAYS FROM THE "NOTICE TO

SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING & CONSTRUCTION DIVISION
PROPOSAL BID FORM (Revised 09/15/14)

PROCEED".

- 4 LINE ITEM 29-34, INCLUDE THE COSTS FOR BYPASS PUMPING SYSTEM OF FORCE MAIN. UPON CONCLUSION OF CIPP INSTALLATION, INSTALL CLOSURE PIECES TO PERMANENTLY REJOIN AND RESTORE THE FORCE MAIN TO FULL FUNCTION. PAYMENT OF THIS ITEM SHALL PROVIDE FULL COMPENSATION FOR ALL NECESSARY AND REQUIRED WORK, TRAFFIC CONTROL, ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE AND ACCEPTABLE PIPE INSTALLATION.**

- 5 WORK ORDERS WILL BE ISSUED AS PROBLEM AREAS ARE IDENTIFIED**

SECTION 00410
APPROVED BID BOND
(Construction)

STATE OF FLORIDA

KNOW ALL MEN BY THESE PRESENTS:

That we Lanzo Lining Services, Inc. - Florida d/b/a Lanzo Trenchless Technologies - South, as Principal, and Liberty Mutual Insurance Company, as

Surety, are held and firmly bound unto the City of Hollywood in the sum of _____

Ten Percent of Amount of Bid Dollars (\$ 10%) lawful money

of the United States, amounting to 10% of the total Bid Price, for the payment of said sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal has submitted the accompanying bid, dated September 19 20 14 for

CITY OF HOLLYWOOD, FLORIDA

**GRAVITY SEWER SYSTEM CONDITION ASSESSMENT AND RENEWAL AND
REPLACEMENT (INFLOW / INFILTRATION – I / I) PROGRAM (LEVEL 2)**

PROJECT NO. 14-7072

NOW, THEREFORE, if the principal shall not withdraw said bid within 90 days after date of the same and shall within ten days after the prescribed forms are presented to him for signature, enter into a written contract with the CITY, in accordance with the bid as accepted, and give bond with good and sufficient surety or sureties, and provide the necessary Insurance Certificates as may be required for the faithful performance and proper fulfillment of such Contract, then this obligation shall be null and void.

Approved Bid Bond

In the event of the withdrawal of said bid within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said bid and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said bid.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this 19th
day of September, 2014, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

Witness

Signature of Individual

Address

Printed Name of Individual

Witness

Address

Approved Bid Bond

WHEN THE PRINCIPAL IS A CORPORATION:

Attest:


Secretary

Lanzo Lining Services, Inc. - Florida d/b/a Lanzo Trenchless Technologies - South

Name of Corporation

125 SE 5th Court

Business Address

Deerfield Beach, FL 33441

By: 

(Affix Corporate Seal)

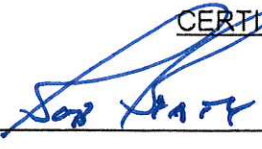
Kevin Pawlowski

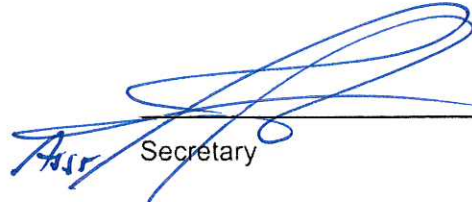
Printed Name

Assistant Secretary

Official Title

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, , certify that I am the ^{Asst} secretary of the Corporation named as Principal in the attached bond; that Kevin Pawlowski who signed the said bond on behalf of the Principal, was then Asst. Secretary of said Corporation; that I know his signature, and his signature thereto is genuine and that said bond was duly signed, sealed and attested for and on behalf of said Corporation by authority of its governing body.


Secretary (SEAL)

Approved Bid Bond

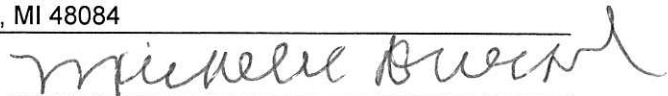
TO BE EXECUTED BY CORPORATE SURETY:

Attest:


~~Secretary~~ Judith Gubala

Liberty Mutual Insurance Company
Corporate Surety
5600 New King Street, Suite 360, Troy, MI 48098
Business Address
Troy, MI 48084

BY:


(Affix Corporate Seal)

Michelle Buechel, Attorney-in-fact
Attorney-in-Fact
Guy Hurley of Florida, LLC
Name of Local Agency
7264 Kyle Court, Unit B
Business Address
Sarasota, FL 34240

STATE OF ~~FLORIDA~~ Michigan

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared, _____
Michelle Buechel _____ to me well known, who being by me first duly sworn upon oath
says that he is the attorney-in-fact for the Liberty Mutual Insurance Company _____ and
that the has been authorized by Liberty Mutual Insurance Company _____ to execute the forgoing bond
on behalf of the CONTRACTOR named therein in favor of the City of Hollywood, Florida.
Subscribed and sworn to before me this 19th day of September, 2014


Notary Public, State of ~~Florida~~
Michigan

My Commission Expires:

JILL E MOORE
Notary Public - State of Michigan
County of Oakland
My Commission Expires 5-25-2020
Acting in the County of Oakland

- END OF SECTION -

Acting to the County of
New Commission Expires 12-31-2019
County of Oakland
State of Michigan
All Rights Reserved

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 6611441

American Fire and Casualty Company
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Anne Barick; Holly Nichols; Michael D. Lechner; Michelle Buechel; Paul M. Hurley; Richard S. McGregor; Robert D. Heuer; T. R. Guy

all of the city of Troy, state of MI each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 16th day of June, 2014.



American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 16th day of June, 2014, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of September, 2014.



By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

SECTION 00420
INFORMATION REQUIRED FROM BIDDERS

GENERAL INFORMATION

The Bidder shall furnish the following information. Failure to comply with this requirement may cause its rejection. Additional sheets shall be attached as required.

1. Contractor's Name/Address: Lanzo Lining Services, Inc.-Florida d/b/a Lanzo Trenchless Technologies South
125 SE 5th Court, Deerfield Beach, FL 33441

2. Contractor's Telephone Number: 954-973-9700

3. Contractor's License (attach copy): CGC050862, CUC053346
Primary Classification: General Contractor, Underground & Excavation Contractor
Broward County License Number (attach copy): 180-6428

4. Number of years as a Contractor in construction work of the type involved in this
Contract: 21 Years

5. List the names and titles of all officers of Contractor's firm:
Please see attached Resume of Qualifications for Resolution of Corporation

6. Name of person who inspected site or proposed work for your firm:
Name: Curt Maring
Date of Inspection: 8/28/14

7. What is the last project of this nature you have completed?
Hollywood Gravity Sewer System Condition Assessment and Renewal and Replacement (I & I) Program (Level 2)
Project 11-7063

9. Name three individuals or corporations for which you have performed work and to which you refer:

Please see attached Resume of Qualifications for References

10. List the following information concerning all contracts on hand as of the date of submission of this proposal (in case of co-venture, list the information for all coventures).

Name of Project	City	Total Contract Value	Contracted Date of Completion	% Completion to Date
-----------------	------	----------------------------	-------------------------------------	----------------------------

Please see attached Resume of Qualifications for List of Completed Jobs

(Continue list on inset sheet, if necessary)

11. What equipment do you own that is available for the work?

Please see attached Resume of Qualifications for List of Equipment

12. What equipment will you purchase for the proposed work?

None

NOTE:

If requested by CITY, the Bidder shall furnish a notarized financial statement, references and other information, sufficiently comprehensive to permit an appraisal of its current financial condition.

LIST OF SUBCONTRACTORS

The Bidder shall list below the name and address of each Subcontractor who will perform work under this Contract in excess of one-half percent of the total bid price, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Proposals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed and hold a valid Hollywood Certificate of Competency.

	Work to be Performed	Subcontractor's Name / Address
1.	<hr/>	<hr/>
	TBD upon award	
2.	<hr/>	<hr/>
	<hr/>	<hr/>
3.	<hr/>	<hr/>
	<hr/>	<hr/>
4.	<hr/>	<hr/>
	<hr/>	<hr/>
5.	<hr/>	<hr/>
	<hr/>	<hr/>
6.	<hr/>	<hr/>
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7.	<hr/>	<hr/>
	<hr/>	<hr/>
8.	<hr/>	<hr/>
	<hr/>	<hr/>
9.	<hr/>	<hr/>
	<hr/>	<hr/>
10.	<hr/>	<hr/>
	<hr/>	<hr/>

NOTE: Attach additional sheets if required.

- END OF SECTION -

SECTION 00435

LOCAL PREFERENCE (EXHIBIT "A")

Pursuant to §38.50 of the City of Hollywood Code of Ordinances, the City shall grant a preference to local Hollywood vendors if their initial bid is within 5% of the bid of the lowest responsive responsible bidder that is a non-local Hollywood vendor. The preference shall allow the local Hollywood vendor to submit a second and final offer, which must be at least 1% less than the bid of the lowest responsive responsive non-local Hollywood vendor to be awarded. The local Hollywood vendor shall have the burden of demonstrating that it maintains a permanent place of business with full-time employees within the City limits and has done so for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation within Hollywood, Florida. All supporting documentation (e.g. City of Hollywood valid local business tax receipt) for local preference eligibility must be received with the bid package prior to the bid opening date and time.

- END OF SECTION -

SECTION 00495

TRENCH SAFETY FORM

This form must be completed and signed by the Bidder.

Failure to complete this form may result in the bid being declared non-responsive.

Bidder acknowledges that the Florida Trench Safety Act, Section 553.60 et. seq., which became effective October 1, 1990, shall be in effect during the period of construction of the project. The Bidder by signing and submitting the bid is, in writing, assuring that it will perform any trench excavation in accordance with applicable trench safety standards. The Bidder further identifies the following separate item of cost of compliance with the applicable trench safety standards as well as the method of compliance:

Method of Compliance

Cost

Gas Detection, Safety Training, Trench Box

Total \$ 17,000.00

Bidder acknowledges that this cost is included in the applicable items of the Proposal and in the Grand Total Bid Price. Failure to complete the above will result in the bid being declared non-responsive.

The Bidder is, and the Owner and Engineer are not, responsible to review or assess Bidder's safety precautions, programs or costs, or the means, methods, techniques or technique adequacy, reasonableness of cost, sequences or procedures of any safety precaution, program or cost, including but not limited to, compliance with any and all requirements of Florida Statute Section 553.60 et. seq. cited as the "Trench Safety Act". Bidder is, and the owner and Engineer are not, responsible to determine if any safety related standards apply to the project, including but not limited to, the "Trench Safety Act".


Witness Signature

Michael Marmara

Witness Printed Name

125 SE 5th Ct

Deerfield Beach, FL 33441

Witness Address

9/19/14

Date


Contractor's Signature

Kevin Pawlowski

Printed Name

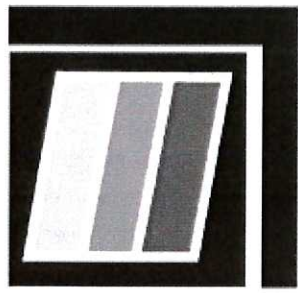
Assistant Secretary

Title

9/19/14

Date

- END OF SECTION -



LANZO
TRENCHLESS TECHNOLOGIES

SOUTH

RESUME OF QUALIFICATIONS

Lanzo Lining Services was formed in 1993 to provide a more cost-effective alternative to replacing failed pipelines using the cured-in-place pipe method (CIPP). This technology gives project owners the option to use one of the most advanced trenchless technologies to successfully rehabilitate pipelines. Lanzo Lining has over seven (7) million feet of CIPP throughout Florida, Michigan, as well as other regions within the United States and Canada. Installations have ranged in size from 4" to 144".

Lanzo Lining Services is among a handful of companies qualified to use a cured-in-place pipelining technology to rehabilitate deteriorated pipelines.

Lanzo Lining Services customers are finding the benefits of cured-in-place pipelining to regain structural integrity and reduce infiltration, inflow and exfiltration at lower cost, in less time, and with fewer inconveniences to the owner and respective communities.

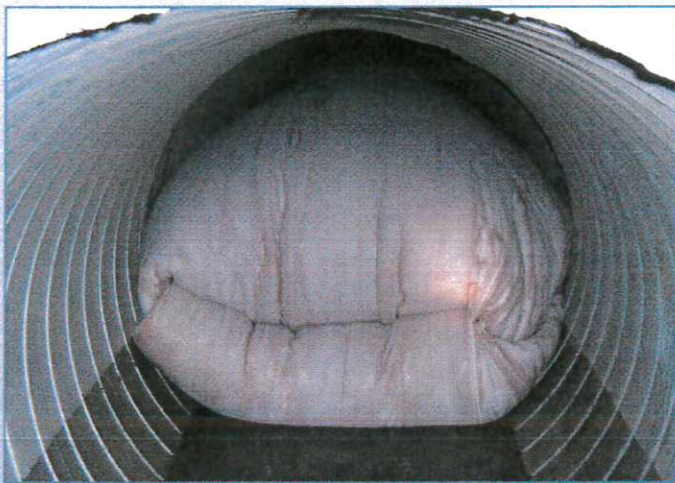
Lanzo Lining Services provides high quality, cost effective and on time results while meeting all Federal, State and Municipal regulations. We hold the highest level of ethics and are committed to ensuring the safety of our employees along with the convenience and safety of the people within the communities we service.

At Lanzo Lining Services we value our employees and the residents of the communities in which we serve. Lanzo Lining Services has been leading competitor in the CIPP industry for over 17 years,

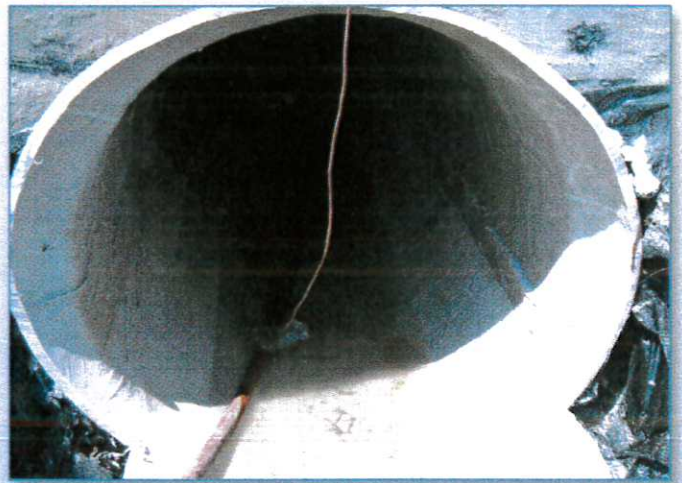
originating in Pompano Beach, Florida, with offices in Deerfield Beach and Roseville, Michigan. Lanzo Lining Services is an equal opportunity employer employing a highly diverse staff of over 100 people which provides a full range of CIPP services and contracting capabilities.

SERVICES OFFERED BY LANZO LINING

- Sewer Cleaning
- Internal video inspection "CCTV"
- Manhole to manhole CIPP lining meeting ASTM F1216 & F1743.
- Trenchless Storm Sewer Rehabilitation
- Trenchless Sanitary Sewer Rehabilitation
- Lateral reinstatement and sealing
- Lateral Lining
- Manhole verification and repair
- Trenchless Forcemain rehabilitation
- Watermain Lining meeting NSF61
- Fully Integrated wet out facility in Pompano Beach, Florida
- Fully Integrated wet out facility in Roseville, Michigan
- QA/QC including Third party testing of liner runs installed
- 50 year service life expectancy
- 5 year warranty for all materials and workmanship
- Lanzo Citiliner - mobile wet out facility using non-styrenated "GREEN" Epoxy resins
- ISO 9002 Materials and Suppliers



Frontal view of 60 inch diameter direct inversion



Finished outfall product at the headwall

Our service is the daily solution of problems and pursuit of a quality installation. This is not simply the installation of a product but rather the accomplishment of a complete sequence of events ranging from site inspection, pipe preparation, delivery of resin impregnated felt tubes from "wet out" to installation, utility reinstatement and job site cleanup with minimal disruption to the surrounding community is the approach to every phase of the CIPP project.

PRECONSTRUCTION PHASE – prior to commencing work, a pre-construction meeting shall be held to submit and review the following:

- Work schedule, including anticipated start and completion date.
- Maintenance of traffic plan
- Material certification and other submittals
- Material safety data sheets
- Engineering calculations for liner thickness design
- By-pass pumping plan
- Sub-contracting
- Certificate of insurance submitted

CONSTRUCTION PHASE

- Inspection
- Remove all debris and televise the pipe prior to lining
- Set up approved MOT and/or lane closures.
- Dewatering and by-pass pumping
- Point repair to remove obstruction prior to pipe renovation
- Tube preparation, installation, curing and cool down
- Lateral reinstatement and liner terminations
- Final inspection

POST CONSTRUCTION

- Submit pre-installation videos and sewer logs of line segments
- Submit post-installation videos and sewer logs of the completed CIPP and reinstated laterals
- Submit structural test data from an independent third party testing lab
- Submit installed CIPP thickness measurements from an independent third party testing lab



Environmentally friendly "Green Resin Formulations"

Lanzo Lining Services has remained an innovator and pioneer installer of CIPP as trenchless pipeline rehabilitation technologies have gained extraordinary acceptance due to the changing chemical environment along with enforcement of clean water regulations. Lanzo Lining has experience in many cutting edge applications such as:

- Large diameter & non-circular storm drains
- Over the hole wet out and installation
- Pressure rated force main sanitary sewer
- NSF 61 certified water main rehabilitation
- **Green** resin utilization in wetland or environmentally sensitive areas
- Submerged or canal enclosure pipeline rehabilitation
- Sanitary sewer collection systems
- High temperature chemical concentrations and industrial sewers
- Air duct ventilation repair & vacuum pressure line



Clarifier pressure pipe rehabilitation at WWTP

FLORIDA OFFICE

125 SE 5th Court
Deerfield Beach, FL 33441
Phone: 954-973-9700
Fax: 954-974-3894

Fred Tingberg, Jr.

Director of Business Development
mobile: 954.931.4430
fredt@lanzo.org

MICHIGAN OFFICE

28137 Groesbeck Highway
Roseville, MI. 48066
Phone: 586-775-5819
Fax: 586-775-2328

Jeff Obertyniuk

Sales Representative
Government Liaison
mobile: 954.931.3035
jeffo@lanzo.org

www.lanzo.net

DUNS# 808382642

CAGE# 60B14

NAICS CODES

237110 – Water and Sewer Line and Related Structures
325211 – Plastic Material and Resin Manufacturing
326122 – Plastic Pipe and Pipe Fitting Manufacturing
562998 – All Other Miscellaneous Waste Management Services

CERTIFICATIONS

Federal/National:

- SBE – Small Business Enterprise

State/Regional:

- FDOT Prequalified
- MDOT Prequalified

AFFILIATIONS

North American Society for Trenchless Technology - NASTT
National Association of Sewer Service Companies - NASSCO
Water Environment Federation – WEFTEC
American Water Works Association – AWWA
American Public Works Association – APWA
The Construction Underground – TCU
Michigan Infrastructure and Transportation Association – MITA
Northeast Superintendent Association – NESA
American Society for Testing and Materials - ASTM

REFERENCE DOCUMENTS

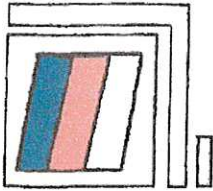
ASTM F1216 – Standard practice for rehabilitation of existing pipelines and conduits by the inversion and curing of a resin-impregnated tube.

ASTM F1743 – Standard practice for the rehabilitation of existing pipelines and conduits by the pulled-in-place installation of cured-in-place thermosetting resin pipe (CIPP).

ASTM D5813 – Standard specification for cured-in-place thermosetting resin sewer pipe.

ASTM C581 – Standard practice for determining chemical resistance of thermosetting resins used in glass fiber reinforced structures, intended for liquid service.

ASTM D790 – Test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials.



LANZO

Lining Services, Inc.

125 S.E. 5th Court
Deerfield Beach, Florida 33441
Office: (954) 973-9700
Fax: (954) 974-3894
www.lanzo.net

RESOLUTION OF CORPORATION

I HEREBY certify that I am the duly elected and qualified Secretary of Lanzo Lining Services, Inc., a Florida Corporation, and that the following is a true and complete copy of a Resolution duly adopted at a meeting of the Board of Directors of said Corporation, held on the 14th day of February 2011 and that such resolution is still in full force and effect.

RESOLVED, that the officers listed below are authorized to sign contracts, bids and any other documents necessary to carry out the business of the Corporation.

<u>TITLE</u>	<u>NAME</u>	<u>SIGNATURE</u>
President	Guiseppe D'Alessandro	
Treasurer	Angelo D'Alessandro	
Executive Vice President	Antonio D'Alessandro	
Vice President	Quirino D'Alessandro, Jr.	
Secretary	Rosemarie Torres	
Assistant Secretary	Matthew P. Tili	
Assistant Secretary	Robert Beaty, III	
Assistant Secretary	Fred Tingberg	
Assistant Secretary	Kevin Pawlowaki	

IN WITNESS WHEREOF, I have hereunto set my hand as Secretary of said Corporation, and affixed the Corporate Seal this 14th day of February, 2011.

BY:
Rosemarie Torres, Secretary

ATTEST:

Antonio D'Alessandro, Executive Vice President

SEAL

An Equal Opportunity Employer

State of Florida

Department of State

I certify from the records of this office that LANZO LINING SERVICES, INC.-FLORIDA is a corporation organized under the laws of the State of Florida, filed on April 8, 1993.

The document number of this corporation is P93000026586.

I further certify that said corporation has paid all fees due this office through December 31, 2012, that its most recent annual report was filed on January 4, 2012, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the Great Seal of
Florida, at Tallahassee, the Capital, this the
Thirtieth day of October, 2012*

Ken Detjen

Secretary of State



Authentication ID: 200241336032-103012-P93000026586

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.

<https://efile.sunbiz.org/certauthver.html>



FLORIDA DEPARTMENT OF STATE
Division of Corporations

September 4, 2012

LANZO TRENCHLESS TECHNOLOGIES-SOUTH
125 SE 5TH COURT
DEERFIELD BEACH, FL 33441

Subject: **LANZO TRENCHLESS TECHNOLOGIES-SOUTH**

REGISTRATION NUMBER: **G12000085884**

This will acknowledge the filing of the above fictitious name registration which was registered on August 31, 2012. This registration gives no rights to ownership of the name.

Each fictitious name registration must be renewed every five years between January 1 and December 31 of the expiration year to maintain registration. Three months prior to the expiration date a statement of renewal will be mailed.

If the mailing address of this business changes, please notify this office in writing, or through the link provided on our website www.sunbiz.org for Address & FEI/EIN Changes. Please reference the original registration number.

Should you have any questions regarding this matter you may contact our office at (850) 245-6058.

RUSSELL L HUNT
Reinstatement Section
Division of Corporations

Letter No. 812A00022313

www.sunbiz.org

Division of Corporations - P.O. BOX 6327 -Tallahassee, Florida 32314

ANTONIO D'ALESSANDRO

VICE PRESIDENT / HEAD LINING SUPERVISOR



*Delivering innovative trenchless technology solutions
to rehabilitate the world's diverse infrastructure*

QUALIFICATIONS

Antonio D'Alessandro has overall management responsibilities with more than 25 years of experience in the area of Infrastructure and Trenchless Rehabilitation, working as Designer, Field Engineer, Project Engineer, Project Manager, Operations Manager and Program Director. He has managed a variety of public and private projects throughout North America, ranging in contract value of up to twenty Million dollars.

He has been personally involved in every rehabilitation project performed by the company. He has also acquired significant knowledge and related requirements as they relate to pipeline rehabilitation for various dimensions of pipes ranging in sizes from 6" to 110" in diameter.

He is committed to meeting and exceeding owner expectations and satisfaction for all completed projects. His reputation for Lanzo Lining Services extends internationally.

QUALIFICATIONS

Fred Tingberg is Lanzo Lining's principle spokesperson, technical resource, and business development manager. Mr. Tingberg holds a Bachelor's Degree in Materials Engineering from Rensselaer Polytechnic Institute, has 29 years of construction product design & installation experience, with eighteen years in cured in place (CIPP) trench less pipeline rehabilitation. From Lanzo Lining Services inception in 1993; Fred has overseen its growth to more than 5,000,000 lf of CIPP installed, with plants in both Michigan, Ohio, Wisconsin, Florida and Canada, in diameters ranging in sizes from 6" to 108". Mr. Tingberg's trade affiliations include AWWA, APWA, NASSCO, and has served in developmental committees as an Organizational Member of ASTM and an instructor in the professional development program within CUIRE.

EXPERIENCE

Lanzo Lining Services, Inc.

1993 - Present

- Preparation of all RFQ, RFP, Negotiated proposals
- Oversees all Hard Dollar Bonded Construction Bidding
- Budget preparation on all Bids for Timberline System entry
- Resin & Felt Price Program & Purchasing Coordination
- Environmental & Safety compliance at fully integrated wet out plants
- Supervisor to all project managers
- Coordinate & direct product/service expansion in all markets
- Oversees Lanzo's Lateral Lining Technical Development
- Oversees Lanzo's Watermain Lining Technical Development

Clayton Group, Inc. – District Manager

1984 - 1993

District Manager, overseeing operations for Semsco in three counties (Dade/Broward/Palm Beach). Oversaw two distribution facilities, located in Pompano and Miami, with a staff of twenty-five, Semsco was a supplier of waterworks, sewer and drainage supplies.

Armco, Inc. – National Specification Account Manager

1980 - 1984

Responsibility as Sales Engineer for Construction Product Sales and Development within metropolitan New York. Duties included Specification Promotion for the New York City accounts, which had a national impact for Armco. Time was divided among contractor accounts in Manhattan, New Jersey and Long Island.

CERTIFICATIONS

- State of Arizona G.C. License,
- State of Florida (CGC) G.C. License,
- Hazmat 40 Hour Safety Training & E2 Supervisor endorsement
- Patented products in Composite Polymer Technologies while a research technician at Arco Polymers, Monaca PA
- State of Georgia Utility Managers License
- State of Florida (CUC) Utility Contractors License
- Developed proprietary closure assembly for Watermain/Forcemain CIPP pressure system

EDUCATION

Bachelor of Science – Materials Engineering – Rensselaer Polytechnic Institute

FRED STEIN

PROJECT MANAGER
WET OUT SUPERINTENDENT



EXPERIENCE

Fred Stein is a Wet-Out Superintendent employed by Lanzo Lining Services since February of 1995. His duties include day-to-day operations, which include; fabrication, wet out, in addition to providing Cured-in-Place material support to jobsite as required.

Project allocated time is utilized in jobsite assessments, as well as preparing tubes for installation and field involvement with curing of tubes.

Fred's experience also includes large diameter, large bore, circular and non-circular applications, as well as, over-the-hole wet outs.

Fred is an OSHA-trained and Hazmat-certified Supervisor with fourteen years of plant to jobsite experience.

CERTIFICATIONS

- OSHA Construction Safety & Health
- Hazardous Materials (HAZMAT)

Drew Wainwright
Operations Manager
Site Superintendent
(229) 393-8348
DrewW@lanzo.org



*Delivering innovative trenchless technology solutions
to rehabilitate the world's diverse infrastructure*

EXPERIENCE

Drew has over twenty (20) years of experience successfully performing Design-Build, Waste Water Collection, Potable Water Distribution and Storm System Rehabilitation with CIPP, Grout Admixtures and Cementitious Manhole applications.

STORM DRAIN REHABILITATION w/CIPP

While at Lanzo, Drew has overseen over 200,000 LF of various pipe sizes, including:

12" – 27"	150,000 LF
30" – 42"	60,000 LF
48" – 72"	20,000 LF
84" – 108"	8,000 LF

LICENSES/CERTIFICATES/QUALIFICATIONS

ISO 9001 Implementation and Training

Response Training

Confined Space Entry Supervisor

Training on Laser Gauges and Coordinate Measuring Machines

Polymer Chemistries – Urethanes, Epoxies, Poly and Vinyl Ester Chemistries, Peroxides, Solvents, etc.

Mechanical and Civil Design-Build Experience

Software – MS Office Suite, Oracle, Win DNC, QuickBooks Pro, Maxwell Systems

Languages – VBA, HTML and SQL

CHRIS WARBURTON



*Delivering innovative trenchless technology solutions
to rehabilitate the world's diverse infrastructure*

VIDEO SERVICES MANAGER

BIO

Born in St. Mary's Parish Jamaica, Chris migrated to Canada in March of 1970 to pursue his business education.

In 1987 Chris moved to Florida where he completed his nursing education and became certified.

Chris started at Lanzo in November of 1996 to head up MIS for the Lining Division. In the eleven (11) years of Chris's tenure at Lanzo the company has grown to a fifteen million dollar per year fully integrated trenchless rehabilitation service provider.

Chris primary duties include all information collection, coordination and presentation in the myriad formats which exist today.

When Chris started here we only produced video captured log information, while today we find ourselves immersed in several technologies including everything from CD & DVD to Wincan 8.0 formatted data transfer.

Chris has over three million (3,000,000) feet of experience in data presentation of pre and post video inspection data to over two hundred separate clients in Florida, Michigan, Georgia, Wisconsin, Pennsylvania, Ohio, and Canada.

EDUCATION

McMaster University
Hamilton Ontario
Business Administration

McPhatter Community College
Broward County Florida
Medical Studies / Nursing Certification Program

LICENSE / CERTIFICATES / ACCOMPLISHMENTS

NASSCO - PAC Certification
Licensed Practical Nurse (LPN)
H & R Block Tax Preparation Certification



*Delivering innovative trenchless technology solutions
to rehabilitate the world's diverse infrastructure*

PROFESSIONAL REFERENCES LIST

City of Boca Raton
Public Utilities Department
201 West Palmetto Park Road
Boca Raton, FL 33432
George Norton, 561-338-7316

City of Tampa, Utilities Department
306 East Jackson Street, # 6N
Tampa, FL 33602
Jack Ferras, PE, 813-274-8095

City of Ft. Lauderdale, Utilities Department
949 NW 38th Street
Ft. Lauderdale, FL 33309
Mr. Walter Schwarz, 954-480-7365

Rust Harza
1020 North Broadway, Suite G12
Milwaukee, WI 53202
Mr. Patrick Murray, 414-224-7795

Miami Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, FL 33146
Mr. Rod Lovett, 786-552-8150

City of Port St. Lucie
900 SE Ogden Lane
Port St. Lucie, FL 34983
Mr. Jeff Labigang, 772-871-5428

Harbour Ridge
12600 Harbour Ridge Blvd.
Palm City, FL 34990
Mr. Russell Reed, Director of Property
772-336-1885

Town of Cape Coral
1750 Everest Parkway
Cape Coral, FL 33904
Judy Ellis, 239-574-0748

Lee County Utilities
5560 Zip Drive
Ft. Myers, FL 33905
Mr. Ehab Gurguis, P.E., 239-684-3334

Palm Beach County Utilities
PO Box 21229
West Palm Beach, FL 33416
Mr. Robert Gunnell, Chief Constr. Coordinator
561-684-4140

Pinellas County
14 South Harrison Avenue
Clearwater, FL 33755
Mr. Jim Shafer, Utility Contract Coordinator
727-464-4914

Town of Lantana
510 West Pine Street
Lantana, FL 33462
Mr. Darrell Blom, Utilities Supervisor
561-540-5750

City of Orlando
5100 LB McLeod Road
Orlando, FL 32811

Bay Harbor Islands
9665 Bay Harbor Terrace
Bay Harbor Islands, FL 33154
Mr. Randy Daniel, Staff Engineer
305-861-1799



125 S.E. 5th Court
Deerfield Beach, Florida 33441
Office: (954) 973-9700
Fax: (954) 974-3894
www.lanzo.net

WARRANTY

We offer a FIVE (5) YEAR warranty for all materials and workmanship. Having over eighteen (18) years experience with testing methods as described herein throughout the states of Michigan, Florida, Georgia, Delaware, and Wisconsin, we feel comfortable that exceeding the performance anticipated with methods presently being utilized by Lanzo Trenchless Technologies should be easily demonstrated.

Our standard approach to warranty is that should there be a problem, we would then implement a repair as needed. The negatives that emanate from not satisfying the client in this regard, especially as it pertains to ongoing work as well as reference value outweigh the cost of the repair. We have installed over 9,000,000 lineal feet of CIPP rehabilitation without a problem.

Should we utilize any subcontractor to perform on this project such as manhole rehabilitation or traffic control, we would be willing to extend our warranty responsibility to their portion of the work as well.

An Equal Opportunity Employer

CIPP REFERENCE SPECIFICATION

This CIPP Reference Specification serves as only a guideline and is not intended to encompass the requirements of every municipality or industrial application. However, the points put forth in this document have been used successfully to specify and complete CIPP projects.

First, it is the recommendation of Lanzo Trenchless Technologies that an overall project be evaluated, specified and bid with the unique underground construction technologies separated. By so doing, the strengths and economics of each technology can properly be utilized for the best final result on any given project. Once it has been determined by the project engineer that a project be completed with trenchless underground technologies to minimize disruption to the surrounding community and businesses, the next task involves specification development for advertising and bidding the project. In any given large project there may be sections of pipe best rehabilitated with sliplining or segmental sliplining, fold and form, CIPP and/or other technologies. When this is the case, separate specifications should be developed and the project bid accordingly. For example, bidding sliplining, fold and form and CIPP together would typically not allow the end user to have a fold and form or CIPP project because of cost considerations. In addition, the community would not have a project devoid of digging and disruption.

When determining how and under what circumstances CIPP should be specified there are a number of factors to consider. The exclusive use of CIPP in areas where any or a combination of the following conditions may prevail:

1. Suspect structural characteristics in the host pipe where axial, radial, or longitudinal cracks, joint offsets, or shear conditions exist.
 2. Pipe ovality sufficient to preclude other products from reaching its full round configuration which is required in the design of this product with ring compression theory.
 3. Pipe where line and/or grade differentials may preclude other products from becoming fully rounded (i.e. lines with existing bellies, etc.).
 4. Pipe where segments of pipe may be missing.
 5. Pipe subject to highway loading in shallow depths where live loading is present or in deep bury locations where soil prism loading is possible.
 6. Pipes under State Roads or under roads requiring FDOT maintenance.
- Typical common concerns of a project include traffic control, by-pass pumping, lateral reinstatement, and chemical grouting of reinstated lateral connections.

SUGGESTED SPECIFICATIONS FOR CURED-IN-PLACE PIPE (CIPP) AS RECOMMENDED BY LANZO TRENCHLESS TECHNOLOGIES

1. INTENT AND DESCRIPTION

- 1.1 The intent of this specification is to provide a recommended set of guidelines for the reconstruction of pipelines and conduits through the use of cured-in-place pipe (CIPP). In this specification recommended references, prequalification requirements, materials, pre- and post-installation inspection tests have been provided. The process generally consists of inserting a resin impregnated fabric tube into an existing pipe or conduit, expanding the tube against the existing pipe, and curing the tube to form a pipe within a pipe. The tube may be inserted into the pipe by direct inversion or pulling in place. Curing is accomplished by either circulating heated water or steam or ambient temperature air or water to affect the desired cure throughout the pipe from access point to access point.

Although the Contractor may have an approved or licensed process, no material changes or design changes shall be undertaken unless approved by the Agency specifying the project.

2. CONTRACTOR PREQUALIFICATION EXPERIENCE

- 2.1 The process must be proven through previous successful installations of CIPP rehabilitation projects on lines of 8" or larger in the United States within the last five years. The footage total for these projects shall be a minimum of 1,000,000 lineal feet. Additionally the Contractor shall submit a minimum of 50,000 lf of the size specified or larger to demonstrate competence with the magnitude of the project being constructed. Experience records shall be submitted with submittals according to the guidelines of the specifying agency. Contractors using sub-contractors shall submit information about the sub-contractor (i.e. name, experience records, jobs which the general and sub-contractor have worked jointly, etc.).

3. REFERENCE DOCUMENTS

- 3.1 ASTM F1216 - Standard Practice for rehabilitation of existing pipelines and conduits by the inversion and curing of a resin-impregnated tube.

- 3.2 ASTM F1743 - Standard practice for the rehabilitation of existing pipelines and conduits by the pulled-in-place installation of cured-in-place thermosetting resin pipe (CIPP).
- 3.3 ASTM D5813 - Standard specification for cured-in-place thermosetting resin sewer pipe.
- 3.4 ASTM C581 - Standard practice for determining chemical resistance of thermosetting resins used in glass fiber reinforced structures, intended for liquid service.
- 3.5 ASTM D790 - Test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials.
- 3.6 Plans, drawing and profiles of lines to be rehabilitated are included, as available. Videotapes may also be available for review. It is the Contractor's responsibility to visit the site and investigate the project, as necessary, for preparation of any proposal.
- 3.7 In the event of a conflict, documents shall have the following priorities: (1) Specifications for CIPP, (2) General conditions, (3) ASTM F1216, F1743, and D5813 (as appropriate).

4. PREBID PREQUALIFICATION SUBMITTALS

- 4.1 Submittals shall be made according to the guidelines of the Agency
- 4.2 Resin
 - 4.2.1 Submit technical data sheets showing physical properties of the products modified for the CIPP process.
 - 4.2.2 Submit one year chemical resistance tests of flexural properties and weight change evaluations that have been carried out with the submitted resin(s) and the fabric tube material(s) to be used on the project. The edges or surfaces of the test specimens shall not be sealed or coated unless it can be conclusively proven that these modifications can be successfully completed in the field and that these product modifications will remain intact throughout the expected life of the product. The chemicals evaluated should be consistent with those specified in ASTM F1216 and/or ASTM D5813. These tests shall be run in a manner consistent with ASTM C581 with flexural property and weight change data available at intervals of 1, 3, 6 and 12 months to establish a trend of product performance. Tests should be carried out by an accredited lab and preferably through an independent third party lab.
 - 4.2.3 At any point in the project, the specifying agency may request dated certificates of analysis for each delivery of resin during the project to confirm that the specified resin is being used on the given project.

4.3 Tube Materials

4.3.1 Submit technical data sheets showing that the physical properties of the tube materials meet the requirements of ASTM D5813.

4.3.2 Submit tabular summary of calculated sewer segment design thickness and recommended dry tube thickness for each installation. Dry tube thickness shall exceed calculated design thickness for all cases.

5. POST-INSTALLATION SUBMITTALS

5.1 Submit pre-installation tapes of the line segments being rehabilitated in a format specified by the agency (i.e. full pipe circumference, resolution, color, etc.).

5.2 Submit post-installation tapes of the completed CIPP and reinstated laterals in a format specified by the agency.

5.3 Submit flexural property test data from an independent third party testing lab of each line segment installed.

5.4 Submit installed CIPP thickness measurements from an independent third party testing lab of each line segment installed.

6. MATERIALS

6.1 Flexible Tube

6.1.1 The flexible tube shall be manufactured and fabricated under quality-controlled conditions set by the process manufacturer. The tube shall be manufactured of a size that when installed it will fit snugly to the internal circumference of the pipe or conduit being rehabilitated and have minimal wrinkling.

6.1.2 The tube thickness shall also be specified such that the installed thickness meets the requirements of the specifying agency.

6.1.3 The tube length shall be manufactured such that it will span the entire length of the access points. When the product is installed between manholes, the CIPP shall extend beyond and seal the end of each manhole.

6.1.4 The specified tube material shall have a minimum tensile strength in the longitudinal and transverse directions as specified in ASTM D5813.

6.2 Resin

- 6.2.1** Provide a liquid thermosetting resin that will properly saturate the tube without draining out and will produce a properly cured pipe, which is resistant to abrasion and the effluent passing through the CIPP.
- 6.2.2** The approved polyester resin shall be made by a reaction of isophthalic/terathalic acid, maleic anhydride, and a glycol characterized by reactive unsaturation located along the molecular chain. This resin is compounded with a reactive styrene monomer and reacted together with initiators/promoters to produce cross-linked copolymer matrices. Use of recycled polyethylene terephthalic (PET)
- 6.2.3** resins shall not be allowed. In addition, only branched glycol chemistry shall be allowed in the composition of the polyester resin.
- 6.2.4** The approved vinyl ester shall be made by a reaction of epoxy resin with methacrylic acid and characterized by reactive unsaturation located in terminal positions of the molecular chain. This resin is compounded with a reactive styrene monomer and reacted together with initiators/opromoters to produce cross-linked copolymer matrices.
- 6.2.5** The approved epoxy resin shall be made by a reaction of bisphenol A and epichlorhydrin producing glycidyl ether reactive sites at the terminal positions of the molecular chain. This resin is cross-linked with the reactive equivalent of a curing agent suitable for the CIPP process.

6.3 Minimum physical properties

- 6.3.1** The minimum physical properties of the installed CIPP shall meet the following requirements.

Property	Reference	Minimum
Flexural Modulus	ASTM D790	250,000 psi
Flexural Strength	ASTM D790	4,500 psi

7. PRECONSTRUCTION CONFERENCE

- 7.1** After the contract is awarded and prior to commencing work, the Contractor will attend a pre-construction meeting with the Agency. At the meeting it is recommended that the work schedule, traffic controls, materials and other submittals, major sub-contractors, by-pass pumping plan, and certificates of insurance be submitted at that time.

8. TRAFFIC CONTROL

- 8.1** A traffic control plan shall include detailed diagrams showing the location of all traffic control devices and the length of time for all lane closures, as well as location of any flaggers, as necessary. One lane of traffic in each direction must be maintained at all times, and local streets may only be closed with prior approval of the Traffic Engineer.
- 8.2** A written method of handling traffic for each different phase of the project shall be submitted and include both vehicular and pedestrian traffic.
- 8.3** The name and number of the Contractor representative responsible for traffic control shall be made available to solve traffic problems at each job site location.

9. PERMITS

- 9.1** Depending on the project and location, there may be a number of required permits that must be obtained prior to commencement of the work. An example of permits that might be required include projects within State Highway right of ways, water permits, industrial waste permits, etc.

10. PUMPING AND BY-PASS PUMPING

- 10.1** The contractor shall submit a written plan at the preconstruction conference outlining the by-pass pumping scheme. The plan shall describe in writing and with diagrams the logistics of by-passing each pipe segment to be rehabilitated. Typically the Contractor or Sub-Contractor will provide the pumps for a given project. The by-pass shall be designed to handle peak flows with additional capacity in the event of a rainstorm. The by-pass shall be watertight and not leak. The plan should address contingencies in the event of a major rainfall or equipment malfunction.

11. CLEANING OF SEWER LINES

- 11.1** The Contractor, when required, shall remove all internal debris out of the pipe prior to installing the CIPP. The Contractor shall be responsible for disposing of all the debris in accordance with Agency requirements. Any hazardous waste encountered during a project, unless otherwise specified, is considered a changed condition.

12. PATENTS

- 12.1** The Contractor shall warrant and hold harmless the Agency against all claims for patent infringement and any loss thereof.



Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube^{1, 2}

This standard is issued under the fixed designation F 1216; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice describes the procedures for the reconstruction of pipelines and conduits (4 to 108-in. diameter) by the installation of a resin-impregnated, flexible tube which is inverted into the existing conduit by use of a hydrostatic head or air pressure. The resin is cured by circulating hot water or introducing controlled steam within the tube. When cured, the finished pipe will be continuous and tight-fitting. This reconstruction process can be used in a variety of gravity and pressure applications such as sanitary sewers, storm sewers, process piping, electrical conduits, and ventilation systems.

1.2 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* For specific precautionary statements, see 7.4.2.

2. Referenced Documents

2.1 ASTM Standards:³

- D 543 Practices for Evaluating the Resistance of Plastics to Chemical Reagents
- D 638 Test Method for Tensile Properties of Plastics
- D 790 Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
- D 903 Test Method for Peel or Stripping Strength of Adhesive Bonds

D 1600 Terminology for Abbreviated Terms Relating to Plastics

D 3839 Guide for Underground Installation of “Fiberglass” (Glass-FiberReinforced Thermosetting-Resin) Pipe

F 412 Terminology Relating to Plastic Piping Systems

2.2 AWWA Standard:

Manual on Cleaning and Lining Water Mains, M 28⁴

2.3 NASSCO Standard:

Recommended Specifications for Sewer Collection System Rehabilitation⁵

NOTE 1—An ASTM specification for cured-in-place pipe materials appropriate for use in this standard is under preparation and will be referenced in this practice when published.

3. Terminology

3.1 Definitions are in accordance with Terminology F 412 and abbreviations are in accordance with Terminology D 1600, unless otherwise specified.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *cured-in-place pipe (CIPP)*—a hollow cylinder containing a nonwoven or a woven material, or a combination of nonwoven and woven material surrounded by a cured thermosetting resin. Plastic coatings may be included. This pipe is formed within an existing pipe. Therefore, it takes the shape of and fits tightly to the existing pipe.

3.2.2 *inversion*—the process of turning the resin-impregnated tube inside out by the use of water pressure or air pressure.

3.2.3 *lift*—a portion of the CIPP that has cured in a position such that it has pulled away from the existing pipe wall.

4. Significance and Use

4.1 This practice is for use by designers and specifiers, regulatory agencies, owners, and inspection organizations who are involved in the rehabilitation of conduits through the use of a resin-impregnated tube inverted through the existing conduit. As for any practice, modifications may be required for specific job conditions.

¹ This practice is under the jurisdiction of ASTM Committee F17 on Plastic Piping Systems and is the direct responsibility of Subcommittee F17.67 on Trenchless Plastic Pipeline Technology.

Current edition approved June 1, 2007. Published June 2007. Originally approved in 1989. Last previous edition approved 2007 as F 1216 – 07a.

² The following report has been published on one of the processes: Driver, F. T., and Olson, M. R., “Demonstration of Sewer Relining by the Insituform Process, Northbrook, Illinois,” EPA-600/2-83-064, Environmental Protection Agency, 1983. Interested parties can obtain copies from the Environmental Protection Agency or from a local technical library.

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.

⁴ Available from American Water Works Association (AWWA), 6666 W. Quincy Ave., Denver, CO 80235, <http://www.awwa.org>.

⁵ Available from the National Association of Sewer Service Companies, 101 Wymore Rd., Suite 501, Altamonte, FL 32714.

5. Materials

5.1 Tube—The tube should consist of one or more layers of flexible needled felt or an equivalent nonwoven or woven material, or a combination of nonwoven and woven materials, capable of carrying resin, withstanding installation pressures and curing temperatures. The tube should be compatible with the resin system used. The material should be able to stretch to fit irregular pipe sections and negotiate bends. The outside layer of the tube should be plastic coated with a material that is compatible with the resin system used. The tube should be fabricated to a size that, when installed, will tightly fit the internal circumference and the length of the original conduit. Allowance should be made for circumferential stretching during inversion.

5.2 Resin—A general purpose, unsaturated, styrene-based, thermoset resin and catalyst system or an epoxy resin and hardener that is compatible with the inversion process should be used. The resin must be able to cure in the presence of water and the initiation temperature for cure should be less than 180°F (82.2°C). The CIPP system can be expected to have as a minimum the initial structural properties given in Table 1. These physical strength properties should be determined in accordance with Section 8.

6. Design Considerations

6.1 General Guidelines—The design thickness of the CIPP is largely a function of the condition of the existing pipe. Design equations and details are given in Appendix X1.

7. Installation

7.1 Cleaning and Inspection:

7.1.1 Prior to entering access areas such as manholes, and performing inspection or cleaning operations, an evaluation of the atmosphere to determine the presence of toxic or flammable vapors or lack of oxygen must be undertaken in accordance with local, state, or federal safety regulations.

7.1.2 Cleaning of Pipeline—All internal debris should be removed from the original pipeline. Gravity pipes should be cleaned with hydraulically powered equipment, high-velocity jet cleaners, or mechanically powered equipment (see *NASSCO Recommended Specifications for Sewer Collection System Rehabilitation*). Pressure pipelines should be cleaned with cable-attached devices or fluid-propelled devices as shown in *AWWA Manual on Cleaning and Lining Water Mains*, M 28.

7.1.3 Inspection of Pipelines—Inspection of pipelines should be performed by experienced personnel trained in

locating breaks, obstacles, and service connections by closed-circuit television or man entry. The interior of the pipeline should be carefully inspected to determine the location of any conditions that may prevent proper installation of the impregnated tube, such as protruding service taps, collapsed or crushed pipe, and reductions in the cross-sectional area of more than 40 %. These conditions should be noted so that they can be corrected.

7.1.4 Line Obstructions—The original pipeline should be clear of obstructions such as solids, dropped joints, protruding service connections, crushed or collapsed pipe, and reductions in the cross-sectional area of more than 40 % that will prevent the insertion of the resin-impregnated tube. If inspection reveals an obstruction that cannot be removed by conventional sewer cleaning equipment, then a point repair excavation should be made to uncover and remove or repair the obstruction.

7.2 Resin Impregnation—The tube should be vacuum-impregnated with resin (wet-out) under controlled conditions. The volume of resin used should be sufficient to fill all voids in the tube material at nominal thickness and diameter. The volume should be adjusted by adding 5 to 10 % excess resin for the change in resin volume due to polymerization and to allow for any migration of resin into the cracks and joints in the original pipe.

7.3 Bypassing—If bypassing of the flow is required around the sections of pipe designated for reconstruction, the bypass should be made by plugging the line at a point upstream of the pipe to be reconstructed and pumping the flow to a downstream point or adjacent system. The pump and bypass lines should be of adequate capacity and size to handle the flow. Services within this reach will be temporarily out of service.

7.3.1 Public advisory services will be required to notify all parties whose service laterals will be out of commission and to advise against water usage until the mainline is back in service.

7.4 Inversion:

7.4.1 Using Hydrostatic Head—The wet-out tube should be inserted through an existing manhole or other approved access by means of an inversion process and the application of a hydrostatic head sufficient to fully extend it to the next designated manhole or termination point. The tube should be inserted into the vertical inversion standpipe with the impermeable plastic membrane side out. At the lower end of the inversion standpipe, the tube should be turned inside out and attached to the standpipe so that a leakproof seal is created. The inversion head should be adjusted to be of sufficient height to cause the impregnated tube to invert from point of inversion to point of termination and hold the tube tight to the pipe wall, producing dimples at side connections. Care should be taken during the inversion so as not to over-stress the felt fiber.

7.4.1.1 An alternative method of installation is a top inversion. In this case, the tube is attached to a top ring and is inverted to form a standpipe from the tube itself or another method accepted by the engineer.

NOTE 2—The tube manufacturer should provide information on the maximum allowable tensile stress for the tube.

7.4.2 Using Air Pressure—The wet-out tube should be inserted through an existing manhole or other approved access

TABLE 1 CIPP Initial Structural Properties^A

Property	Test Method	Minimum Value	
		psi	(MPa)
Flexural strength	D 790	4 500	(31)
Flexural modulus	D 790	250 000	(1 724)
Tensile strength (for pressure pipes only)	D 638	3 000	(21)

^AThe values in Table 1 are for field inspection. The purchaser should consult the manufacturer for the long-term structural properties.

by means of an inversion process and the application of air pressure sufficient to fully extend it to the next designated manhole or termination point. The tube should be connected by an attachment at the upper end of the guide chute so that a leakproof seal is created and with the impermeable plastic membranes side out. As the tube enters the guide chute, the tube should be turned inside out. The inversion air pressure should be adjusted to be of sufficient pressure to cause the impregnated tube to invert from point of inversion to point of termination and hold the tube tight to the pipe wall, producing dimples at side connections. Care should be taken during the inversion so as not to overstress the woven and nonwoven materials.

NOTE 3—Warning: Suitable precautions should be taken to eliminate hazards to personnel in the proximity of the construction when pressurized air is being used.

7.4.3 Required Pressures—Before the inversion begins, the tube manufacturer shall provide the minimum pressure required to hold the tube tight against the existing conduit, and the maximum allowable pressure so as not to damage the tube. Once the inversion has started, the pressure shall be maintained between the minimum and maximum pressures until the inversion has been completed.

7.5 Lubricant—The use of a lubricant during inversion is recommended to reduce friction during inversion. This lubricant should be poured into the inversion water in the downtube or applied directly to the tube. The lubricant used should be a nontoxic, oil-based product that has no detrimental effects on the tube or boiler and pump system, will not support the growth of bacteria, and will not adversely affect the fluid to be transported.

7.6 Curing:

7.6.1 Using Circulating Heated Water—After inversion is completed, a suitable heat source and water recirculation equipment are required to circulate heated water throughout the pipe. The equipment should be capable of delivering hot water throughout the section to uniformly raise the water temperature above the temperature required to effect a cure of the resin. Water temperature in the line during the cure period should be as recommended by the resin manufacturer.

7.6.1.1 The heat source should be fitted with suitable monitors to gage the temperature of the incoming and outgoing water supply. Another such gage should be placed between the impregnated tube and the pipe invert at the termination to determine the temperatures during cure.

7.6.1.2 Initial cure will occur during temperature heat-up and is completed when exposed portions of the new pipe appear to be hard and sound and the remote temperature sensor indicates that the temperature is of a magnitude to realize an exotherm or cure in the resin. After initial cure is reached, the temperature should be raised to the post-cure temperature recommended by the resin manufacturer. The post-cure temperature should be held for a period as recommended by the resin manufacturer, during which time the recirculation of the water and cycling of the boiler to maintain the temperature continues. The curing of the CIPP must take into account the existing pipe material, the resin system, and ground conditions (temperature, moisture level, and thermal conductivity of soil).

7.6.2 Using Steam—After inversion is completed, suitable steam-generating equipment is required to distribute steam throughout the pipe. The equipment should be capable of delivering steam throughout the section to uniformly raise the temperature within the pipe above the temperature required to effect a cure of the resin. The temperature in the line during the cure period should be as recommended by the resin manufacturer.

7.6.2.1 The steam-generating equipment should be fitted with a suitable monitor to gage the temperature of the outgoing steam. The temperature of the resin being cured should be monitored by placing gages between the impregnated tube and the existing pipe at both ends to determine the temperature during cure.

7.6.2.2 Initial cure will occur during temperature heat-up and is completed when exposed portions of the new pipe appear to be hard and sound and the remote temperature sensor indicates that the temperature is of a magnitude to realize an exotherm or cure in the resin. After initial cure is reached, the temperature should be raised to post-cure temperatures recommended by the resin manufacturer. The post-cure temperature should be held for a period as recommended by the resin manufacturer, during which time the distribution and control of steam to maintain the temperature continues. The curing of the CIPP must take into account the existing pipe material, the resin system, and ground conditions (temperature, moisture level, and thermal conductivity of soil).

7.6.3 Required Pressures—As required by the purchase agreement, the estimated maximum and minimum pressure required to hold the flexible tube tight against the existing conduit during the curing process should be provided by the seller and shall be increased to include consideration of the external ground water, if present. Once the cure has started and dimpling for laterals is completed, the required pressures should be maintained until the cure has been completed. For water or steam, the pressure should be maintained within the estimated maximum and minimum pressure during the curing process. If the steam pressure or hydrostatic head drops below the recommended minimum during the cure, the CIPP should be inspected for lifts or delaminations and evaluated for its ability to fully meet the applicable requirements of 7.8 and Section 8.

7.7 Cool-Down:

7.7.1 Using Cool Water After Heated Water Cure—The new pipe should be cooled to a temperature below 100°F (38°C) before relieving the static head in the inversion standpipe. Cool-down may be accomplished by the introduction of cool water into the inversion standpipe to replace water being drained from a small hole made in the downstream end. Care should be taken in the release of the static head so that a vacuum will not be developed that could damage the newly installed pipe.

7.7.2 Using Cool Water After Steam Cure—The new pipe should be cooled to a temperature below 113°F (45°C) before relieving the internal pressure within the section. Cool-down may be accomplished by the introduction of cool water into the section to replace the mixture of air and steam being drained from a small hole made in the downstream end. Care should be

taken in the release of the air pressure so that a vacuum will not be developed that could damage the newly installed pipe.

7.8 Workmanship—The finished pipe should be continuous over the entire length of an inversion run and be free of dry spots, lifts, and delaminations. If these conditions are present, remove and replace the CIPP in these areas.

7.8.1 If the CIPP does not fit tightly against the original pipe at its termination point(s), the space between the pipes should be sealed by filling with a resin mixture compatible with the CIPP.

7.9 Service Connections—After the new pipe has been cured in place, the existing active service connections should be reconnected. This should generally be done without excavation, and in the case of non-man entry pipes, from the interior of the pipeline by means of a television camera and a remote-control cutting device.

8. Inspection Practices

8.1 For each inversion length designated by the owner in the contract documents or purchase order, the preparation of two CIPP samples is required, one from each of the following two methods:

8.1.1 The sample should be cut from a section of cured CIPP at an intermediate manhole or at the termination point that has been inverted through a like diameter pipe which has been held in place by a suitable heat sink, such as sandbags.

8.1.2 The sample should be fabricated from material taken from the tube and the resin/catalyst system used and cured in a clamped mold placed in the downtube when circulating heated water is used and in the silencer when steam is used.

8.1.3 The samples for each of these cases should be large enough to provide a minimum of three specimens and a recommended five specimens for flexural testing and also for tensile testing, if applicable. The following test procedures should be followed after the sample is cured and removed.

8.1.3.1 Short-Term Flexural (Bending) Properties—The initial tangent flexural modulus of elasticity and flexural stress should be measured for gravity and pressure pipe applications in accordance with Test Methods **D 790** and should meet the requirements of **Table 1**.

8.1.3.2 Tensile Properties—The tensile strength should be measured for pressure pipe applications in accordance with Test Method **D 638** and must meet the requirements of **Table 1**.

8.2 Gravity Pipe Leakage Testing—If required by the owner in the contract documents or purchase order, gravity pipes should be tested using an exfiltration test method where the CIPP is plugged at both ends and filled with water. This test should take place after the CIPP has cooled down to ambient temperature. This test is limited to pipe lengths with no service laterals and diameters of 36 in. or less. The allowable water exfiltration for any length of pipe between termination points should not exceed 50 U.S. gallons per inch of internal pipe diameter per mile per day, providing that all air has been bled from the line. During exfiltration testing, the maximum internal pipe pressure at the lowest end should not exceed 10 ft (3.0 m)

of water or 4.3 psi (29.7 kPa) and the water level inside of the inversion standpipe should be 2 ft (0.6 m) higher than the top of the pipe or 2 ft higher than the groundwater level, whichever is greater. The leakage quantity should be gaged by the water level in a temporary standpipe placed in the upstream plug. The test should be conducted for a minimum of one hour.

NOTE 4—It is impractical to test pipes above 36-in. diameter for leakage due to the technology available in the pipe rehabilitation industry. Post inspection of larger pipes will detect major leaks or blockages.

8.3 Pressure Pipe Testing—If required by the owner in the contract documents or purchase order, pressure pipes should be subjected to a hydrostatic pressure test. A recommended pressure and leakage test would be at twice the known working pressure or at the working pressure plus 50 psi, whichever is less. Hold this pressure for a period of two to three hours to allow for stabilization of the CIPP. After this period, the pressure test will begin for a minimum of one hour. The allowable leakage during the pressure test should be 20 U.S. gallons per inch of internal pipe diameter per mile per day, providing that all air has been evacuated from the line prior to testing and the CIPP has cooled down to ambient temperature.

NOTE 5—The allowable leakage for gravity and pressure pipe testing is a function of water loss at the end seals and trapped air in the pipe.

8.4 Delamination Test—If required by the owner in the contract documents or purchase order, a delamination test should be performed on each inversion length specified. The CIPP samples should be prepared in accordance with 8.1.2, except that a portion of the tube material in the sample should be dry and isolated from the resin in order to separate tube layers for testing. (Consult the tube manufacturer for further information.) Delamination testing shall be in accordance with Test Method **D 903**, with the following exceptions:

8.4.1 The rate of travel of the power-actuated grip shall be 1 in. (25 mm)/min.

8.4.2 Five test specimens shall be tested for each inversion specified.

8.4.3 The thickness of the test specimen shall be minimized, but should be sufficient to adequately test delamination of nonhomogeneous CIPP layers.

8.5 The peel or stripping strength between any nonhomogeneous layers of the CIPP laminate should be a minimum of 10 lb/in. (178.60 g/mm) of width for typical CIPP applications.

NOTE 6—The purchaser may designate the dissimilar layers between which the delamination test will be conducted.

NOTE 7—For additional details on conducting the delamination test, contact the CIPP contractor.

8.6 Inspection and Acceptance—The installation may be inspected visually if appropriate, or by closed-circuit television if visual inspection cannot be accomplished. Variations from true line and grade may be inherent because of the conditions of the original piping. No infiltration of groundwater should be observed. All service entrances should be accounted for and be unobstructed.



APPENDIXES

(Nonmandatory Information)

X1. DESIGN CONSIDERATIONS

X1.1 Terminology:

X1.1.1 *partially deteriorated pipe*—the original pipe can support the soil and surcharge loads throughout the design life of the rehabilitated pipe. The soil adjacent to the existing pipe must provide adequate side support. The pipe may have longitudinal cracks and up to 10.0% distortion of the diameter. If the distortion of the diameter is greater than 10.0%, alternative design methods are required (see **Note 2**).

X1.1.2 *fully deteriorated pipe*—the original pipe is not structurally sound and cannot support soil and live loads or is expected to reach this condition over the design life of the rehabilitated pipe. This condition is evident when sections of the original pipe are missing, the pipe has lost its original shape, or the pipe has corroded due to the effects of the fluid, atmosphere, soil, or applied loads.

X1.2 Gravity Pipe:

X1.2.1 *Partially Deteriorated Gravity Pipe Condition*—The CIPP is designed to support the hydraulic loads due to groundwater, since the soil and surcharge loads can be supported by the original pipe. The groundwater level should be determined by the purchaser and the thickness of the CIPP should be sufficient to withstand this hydrostatic pressure without collapsing. The following equation may be used to determine the thickness required:

$$P = \frac{2KE_L}{(1 - \nu^2)} \cdot \frac{1}{(DR - 1)^3} \cdot \frac{C}{N} \quad (\text{X1.1})$$

where:

P = groundwater load, psi (MPa), measured from the invert of the pipe

K = enhancement factor of the soil and existing pipe adjacent to the new pipe (a minimum value of 7.0 is recommended where there is full support of the existing pipe),

E_L = long-term (time corrected) modulus of elasticity for CIPP, psi (MPa) (see **Note X1.1**),

ν = Poisson's ratio (0.3 average),

DR = dimension ratio of CIPP,

C = ovality reduction factor =

$$\left(\left[1 - \frac{\Delta}{100} \right] \left[1 + \frac{\Delta}{100} \right]^2 \right)^3$$

Δ = percentage ovality of original pipe =

$$100 \times \frac{(\text{Mean Inside Diameter} - \text{Minimum Inside Diameter})}{\text{Mean Inside Diameter}}$$

or

$$100 \times \frac{(\text{Maximum Inside Diameter} - \text{Mean Inside Diameter})}{\text{Mean Inside Diameter}}$$

and

N = factor of safety.

NOTE X1.1—The choice of value (from manufacturer's literature) of E_L will depend on the estimated duration of the application of the load, P , in relation to the design life of the structure. For example, if the total duration of the load, P , is estimated to be 50 years, either continuously applied, or the sum of intermittent periods of loading, the appropriately conservative choice of value for E_L will be that given for 50 years of continuous loading at the maximum ground or fluid temperature expected to be reached over the life of the structure.

NOTE X1.2—If there is no groundwater above the pipe invert, the CIPP should typically have a maximum SDR of 100, dependent upon design conditions.

X1.2.1.1 If the original pipe is oval, the CIPP design from Eq X1.1 shall have a minimum thickness as calculated by the following formula:

$$1.5 \frac{\Delta}{100} \left(1 + \frac{\Delta}{100} \right) DR^2 - 0.5 \left(1 + \frac{\Delta}{100} \right) DR = \frac{\sigma_L}{PN} \quad (\text{X1.2})$$

where:

σ_L = long-term (time corrected) flexural strength for CIPP, psi (MPa) (see **Note X1.5**).

X1.2.1.2 See **Table X1.1** for typical design calculations.

X1.2.2 *Fully Deteriorated Gravity Pipe Condition*—The CIPP is designed to support hydraulic, soil, and live loads. The groundwater level, soil type and depth, and live load should be determined by the purchaser, and the following equation should be used to calculate the CIPP thickness required to withstand these loads without collapsing:

TABLE X1.1 Maximum Groundwater Loads for Partially Deteriorated Gravity Pipe Condition

Diameter, in. (Inside Diameter of Original Pipe)	Nominal CIPP Thickness, mm	CIPP Thickness, t, in.	Maximum Allowable Ground- water Load ^A (above invert)	
			ft	m
8	6	0.236	40.0	12.2
10	6	0.236	20.1	6.1
12	6	0.236	11.5	3.5
15	9	0.354	20.1	6.1
18	9	0.354	11.5	3.5
18	12	0.472	27.8	8.5
24	12	0.472	11.5	3.5
24	15	0.591	22.8	6.9
30	15	0.591	11.5	3.5
30	18	0.709	20.1	6.1

^AAssumes $K = 7.0$, $E = 125\,000$ psi (862 MPa) (50-year strength), $\nu = 0.30$, $C = 0.64$ (5% ovality), and $N = 2.0$

$$q_t = \frac{1}{N} [32R_w B' E'_s C (E_L/D^3)]^{1/2} \quad (\text{X1.3})$$

where:

- q_t = total external pressure on pipe, psi (MPa),
= $0.433H_w + wHR_w/144 + W_s$, (English Units),
= $0.00981H_w + wHR_w/1000 + W_s$, (Metric Units)
- R_w = water buoyancy factor (0.67 min) = $1 - 0.33 (H_w/H)$,
- w = soil density, lb.ft³/(KN/m³),
- W_s = live load, psi (MPa),
- H_w = height of water above top of pipe, ft (m)
- H = height of soil above top of pipe, ft (m),
- B' = coefficient of elastic support = $1/(1 + 4e^{-0.065H})$
inch-pound units, $(1/(1 + 4e^{-0.213H}))$ SI units
- I = moment of inertia of CIPP, in.⁴/in. (mm⁴/mm) = $t^3/12$,
- t = thickness of CIPP, in. (mm),
- C = ovality reduction factor (see X1.2.1),
- N = factor of safety,
- E'_s = modulus of soil reaction, psi (MPa) (see Note X1.4),
- E_L = long-term modulus of elasticity for CIPP, psi (MPa), and
- D = mean inside diameter of original pipe, in. (mm)

X1.2.2.1 The CIPP design from Eq X1.3 should have a minimum thickness as calculated by the following formula:

$$\frac{EI}{D^3} = \frac{E}{12(DR)^3} \geq 0.093 \text{ (inch-pound units)}, \quad (\text{X1.4})$$

or

$$\frac{E}{12(DR)^3} \geq 0.00064 \text{ (SI units)}$$

where:

E = initial modulus of elasticity, psi (MPa)

NOTE X1.3—For pipelines at depth not subject to construction disturbance, or if the pipeline was originally installed using tunneling method, the soil load may be calculated using a tunnel load analysis. Finite element analysis is an alternative design method for noncircular pipes.

NOTE X1.4—For definition of modulus of soil reaction, see Practice D 3839.

X1.2.2.2 The minimum CIPP design thickness for a fully deteriorated condition should also meet the requirements of Eq X1.1 and X1.2.

X1.3 Pressure Pipe:

X1.3.1 *Partially Deteriorated Pressure Condition*—A CIPP installed in an existing underground pipe is designed to support external hydrostatic loads due to groundwater as well as withstand the internal pressure in spanning across any holes in the original pipe wall. The results of Eq X1.1 are compared to those from Eq X1.6 or Eq X1.7, as directed by Eq X1.5, and the largest of the thicknesses is selected. In an above-ground design condition, the CIPP is designed to withstand the internal pressure only by using Eq X1.5-X1.7 as applicable.

X1.3.1.1 If the ratio of the hole in the original pipe wall to the pipe diameter does not exceed the quantity shown in Eq X1.5, then the CIPP is assumed to be a circular flat plate fixed

at the edge and subjected to transverse pressure only. In this case, Eq X1.6 is used for design. For holes larger than the d/D value in Eq X1.5, the liner cannot be considered in flat plate loading, but rather in ring tension or hoop stress, and Eq X1.7 is used.

$$\frac{d}{D} \leq 1.83 \left(\frac{t}{D} \right)^{1/2} \quad (\text{X1.5})$$

where:

- d = diameter of hole or opening in original pipe wall, in. (mm),
- D = mean inside diameter of original pipe, in. (mm), and
- t = thickness of CIPP, in. (mm).

$$P = \frac{5.33}{(DR - 1)^2} \left(\frac{D}{d} \right)^2 \frac{\sigma_L}{N} \quad (\text{X1.6})$$

where:

- DR = dimension ratio of CIPP,
- D = mean inside diameter of original pipe, in. (mm),
- d = diameter of hole or opening in original pipe wall, in. (mm),
- σ_L = long-term (time corrected) flexural strength for CIPP, psi (MPa) (see Note X1.5), and
- N = factor of safety.

NOTE X1.5—The choice of value (from manufacturer's literature) of σ_L will depend on the estimated duration of the application of the load, P , in relation to the design life of the structure. For example, if the total duration of the load, P , is estimated to be 50 years, either continuously applied, or the sum of intermittent periods of loading, the appropriately conservative choice of value of σ_L will be that given for 50 years of continuous loading at the maximum ground or fluid temperature expected to be reached over the life of the structure.

X1.3.2 *Fully Deteriorated Pressure Pipe Condition*—A CIPP to be installed in an underground condition is designed to withstand all external loads and the full internal pressure. The design thicknesses are calculated from Eq X1.1, Eq X1.3, Eq X1.4, and Eq X1.7, and the largest thickness is selected. If the pipe is above ground, the CIPP is designed to withstand internal pressure only by using Eq X1.7.

$$P = \frac{2\sigma_{TL}}{(DR - 2)N} \quad (\text{X1.7})$$

where:

- P = internal pressure, psi (MPa),
- σ_{TL} = long-term (time corrected) tensile strength for CIPP, psi (MPa) (see Note 12),
- DR = dimension ratio of CIPP, and
- N = factor of safety.

NOTE X1.6—The choice of value (from manufacturer's literature) of σ_{TL} will depend on the estimated duration of the application of the load, P , in relation to the design life of the structure. For example, if the total duration of the load, P , is estimated to be 50 years, either continuously applied, or the sum of intermittent periods of loading, the appropriately conservative choice of value of σ_{TL} will be that given for 50 years of continuous loading at the maximum ground or fluid temperature expected

to be reached over the life of the structure.

X1.4 — Negative Pressure—Where the pipe is subject to a vacuum, the CIPP should be designed as a gravity pipe with the external hydrostatic pressure increased by an amount equal to the negative pressure.

NOTE X1.7—Table X1.1 presents maximum groundwater loads for partially deteriorated pipes for selected typical nominal pipe sizes. CIPP is custom made to fit the original pipe and can be fabricated to a variety of sizes from 4 to 96-in. diameter which would be impractical to list here.

X2. CHEMICAL-RESISTANCE TESTS

X2.1 Scope:

X2.1.1 This appendix covers the test procedures for chemical-resistance properties of CIPP. Minimum standards are presented for standard domestic sewer applications.

X2.2 Procedure for Chemical-Resistance Testing:

X2.2.1 Chemical resistance tests should be completed in accordance with Practices D 543. Exposure should be for a minimum of one month at 73.4°F (23°C). During this period, the CIPP test specimens should lose no more than 20 % of their

initial flexural strength and flexural modulus when tested in accordance with Section 8 of this practice.

X2.2.2 Table X2.1 presents a list of chemical solutions that serve as a recommended minimum requirement for the chemical-resistant properties of CIPP in standard domestic sanitary sewer applications.

X2.2.3 For applications other than standard domestic sewage, it is recommended that chemical-resistance tests be conducted with actual samples of the fluid flowing in the pipe. These tests can also be accomplished by depositing CIPP test specimens in the active pipe.

TABLE X2.1 Minimum Chemical Resistance Requirements for Domestic Sanitary Sewer Applications

Chemical Solution	Concentration, %
Tap water (pH 6–9)	100
Nitric acid	5
Phosphoric acid	10
Sulfuric acid	10
Gasoline	100
Vegetable oil	100
Detergent	0.1
Soap	0.1

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SOUTH DAYTONA FL 32119



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BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2014 THROUGH SEPTEMBER 30, 2015

DBA: LANZO LINING SERVICES INC FLORIDA
Business Name: Receipt #: 180-6428
Business Type: GENERAL CONTRACTOR (GENERAL CONTRACTOR)

Owner Name: ROBERT W BEATY III/QUAL
Business Location: 125 SE 5 CT
DEERFIELD BEACH
Business Phone: 954-973-9700
Business Opened: 02/21/1994
State/Country/Cert/Reg: CG C050862
Exemption Code:

Rooms Seats Employees Machines Professionals

5

Number of Machines:		For Vending Business Only				Vending Type:	
		Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
27.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT

WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:

ROBERT W BEATY III/QUAL
125 SE 5 CT
DEERFIELD BEACH, FL 33441

Receipt #01A-13-00005460
Paid 07/18/2014 27.00

2014 - 2015

Business Tax Office
150 NE 2nd Ave.
Deerfield Beach, FL 33441
Phone: (954)480-4333
E-mail: web.btr@deerfield-beach.com



Business Tax Receipt 2013-2014

Receipt Number: 14-00021874
Date Issued: 9/5/13

LANZO LINING SERVICES INC FL
125 SE 5 CT

DEERFIELD BEACH FL 33441

Classification: ENGINEERING CONTRACTOR
Business Location: 125 SE 5 CT
Business Owner: LANZO LINING SERVICES INC FL
Control Number: 0150131

Tax Amount:\$ 117.60	Add. Fees:\$ 0.00	Penalty:\$ 0.00	Total Amount Paid:\$ 117.60
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Notice: This Tax Receipt becomes NULL and VOID if ownership, business name, or address changed. Business owner must apply to Business Tax Office for Transfer.

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Liner Footage	MH Rehab	Circular	Force Main	Water Pressure	Gravity	Sanitary	Drainage	Air System
635	Miami Beach, Cadillac Hotel Drainage Rehab (GT McDonald)	\$18,200.00	Closed	GT McDonald Enterprises	2013	Leticia Cassidy	(954) 584-3360	4609 State Road 7	FL	33127	12"	45								
636	West Palm Beach PPL Danella	\$16,470.00	Closed	PPL	2013	Freddie Brady	(561) 275-6887	170 Commerce Rd. Unit 5	FL	33426	12"	270								
637	South Martin Regional Utility Annual	\$108,084.00	Closed	Town of Jupiter Island	2013	Elizabeth Hubbard	(772) 546-6259	PO Box 95	FL	33473	8"	3399								
638	FDOT 17320 Pinellas County (APAC SE)	\$111,906.00	Closed	FDOT	2013	Ryan Van Hall	(813) 299-2933	1451 Myrtle Street	FL	34234	8" to 24"	9508								
639	Miami Beach Vegetation Islands Improvements	\$244,400.00	Closed	City of Miami Beach	2013	Paulo Riano	(561) 979-0802	125 SE 5th Court	FL	33441	8"	217								
640	Lake Worth 7th Ave Sewer Rehab	\$439,880.00	Closed	City of Lake Worth	2013	Monique Monahan	(561) 586-1798	7 N Duane Hwy	FL	33460	10" to 21"	5277								
641	Broward NCPBP BPH11 (Giantelli Contracting)	\$706,034.00	Closed	Broward County	2013	Pat Smet	(954) 931-2732		FL	33408	8"	286								
642	FDOT Southeastern Engineering 94th St Outfall	\$109,034.00	Closed	FDOT	2013	Felipe Angarita	(305) 219-0862	12954 NW 98 Avenue	FL	33018	36"	532								
643	Imperial Golf Estates	\$15,200.00	Closed	Imperial Golf Estates	2013	Mark Thieme	(352) 237-9291	1016 Collier Center Way, Suite 102	FL	34110	15" to 18"	120								
644	Highland Beach Storm	\$7,198.00	Closed	Town of Highland Beach	2013	Jack Lee	(561) 243-2084	3614 S Ocean Blvd	FL	33487	12"	120								
645	FDOT Volusia County	\$1,685,953.00	Closed	FDOT	2013	John Bailey	(407) 466-4387	915 S Clyde Morris Blvd	FL	32114	15" to 48"	1880								
646	APAC SR 580 Pinellas	\$26,420.00	Closed	FDOT	2013	Richard Strahly	(941) 355-7178	1451 Myrtle Street	FL	34234	15" to 48"	4873								
647	FDOT Winter Springs (ONAS Corp)	\$607,123.00	Closed	FDOT	2013	Ramirez Onyama	(904) 745-6508	2050 University Blvd	FL	32211	18" to 48"	4873								
648	Evans Park Mount Dora	\$35,056.00	Closed	City of Mount Dora	2012	Kim Price	(407) 857-7416	101 Sandbar Way	FL	32859	30"	285								
649	Ranger Construction SR 710 Baseline Hwy	\$150,200.00	Closed	FDOT	2012	Dianne Beasley	(813) 626-5703	101 Sandbar Way	FL	33411	8"	4436								
650	Hillborough County	\$59,240.00	Closed	Hillborough County	2012	Wes Kinyery	(617) 640-5503	10200 US Hwy 92 E	FL	33407	8" to 27"	20000								
651	Palm Beach County	\$582,075.00	Closed	Palm Beach County	2012	Daniel Duke	(561) 593-8301	5401 N Haverhill Rd	FL	33411	8"	3952								
652	Halifax County	\$200,000.00	Closed	Lake Nona Land Company	2012	Danica Granda	(561) 593-8301	650 NW 2 St	FL	33407	8" to 27"	20000								
653	Lake Nona Public	\$127,610.00	Closed	FDOT	2012	Danica Granda	(407) 948-8912	604 Hillcrest Drive	FL	32822	18" to 48"	885								
654	FDOT SR 70 - Johnson-Davis	\$20,870.00	Closed	FDOT	2012	Lynn Holden	(561) 275-7953	2300 Virginia Ave	FL	33463	18" to 30"	1101								
655	FDOT Orange County SR 551	\$48,860.00	Closed	FDOT	2012	Guy Meador	(772) 462-1527	10200 US Hwy 92 E	FL	34082	18" to 24"	285								
656	FDOT E7HR00 (Vac Vision)	\$283,812.00	Closed	FDOT	2012	Ben Reese	(866) 654-9888	8781 Beech Ridge Rd	FL	34241	36"	208								
657	Wanda Place Storm Drain Rehabilitation	\$58,180.00	Closed	Sarasota County	2012	Jason Brown	(941) 650-2728	9665 Bay Harbor Terrace	FL	33154	8"	2800								
658	Town of Bay Harbor Islands	\$65,434.00	Closed	Town of Bay Harbor Islands	2012	Randy Daniel	(305) 866-6241	13600 NW 5th St	FL	33154	8"	2800								
659	Village By The Bay Drainage Repairs	\$108,472.00	Closed	Village By The Bay Condo Assoc	2012	Michael Fajano, Jr	(954) 838-7445	1451 Myrtle Street	FL	33154	15" to 24"	1136								
660	APAC-Southeast SR 64	\$31,000.00	Closed	FDOT	2012	Ashley Frederick	(941) 355-7178	4501 N Ocean Dr	FL	33508	8" to 12"	9162								
661	Roseline Vase Systems	\$100,924.00	Closed	FDOT	2012	Mike Dean	(954) 640-4232	117 S Groesbeck Hwy	FL	48043	12"	6"	270							
662	Landslide-by-the-Sea	\$293,306.00	Closed	Landslide-by-the-Sea	2012	Don Prince	(772) 528-4383	3808 E 26 Ave Tampa	FL	33605	90" to 96"	904								
663	Port St. Lucie Autocore Prima Vista	\$65,560.00	Closed	Port St. Lucie	2012	Don Prince	(772) 528-4383	4200 Hood Road	FL	33418	8" to 24"	21595								
664	Macomb County Culvert Repair	\$1,960.00	Closed	Macomb County	2012	Bob Joseph	(586) 463-8671	55 Hulet Drive	MI	48503	54"	2653								
665	Imperial Golf Estates	\$18,360.00	Closed	Imperial Golf Estates	2012	Ed Zmich	(813) 635-3400	1210 Washington Ave. Ste 250	FL	33159	8" to 12"	4818								
666	City of Tampa, Junction Chamber #2 Effluent Pipes Rehab	\$1,081,961.00	Closed	City of Tampa	2012	Ed Zmich	(813) 635-3400	1621 N 14th Ave	FL	33159	8" to 12"	4818								
667	Seacoast Utility Authority Annual	\$1,506,574.00	Closed	Seacoast Utility Authority	2012	Ed Zmich	(813) 635-3400	1670 W. McShals Rd	FL	33022	8" to 12"	3150								
668	Kerby Road Interceptor	\$109,650.00	Closed	Village Grose Point Farms	2012	Ed Zmich	(813) 635-3400	12600 Harbour Ridge Blvd	FL	34090	18" to 24"	636								
669	North Atlantic Drive	\$55,212.00	Closed	Town of Lantana	2012	Ed Zmich	(813) 635-3400	5270 Corp Way	FL	33407	21"	3869								
670	D. Mancini & Sons - Miami Beach	\$65,000.00	Closed	City of Miami Beach	2012	Juan Barreches	(305) 532-8827	7700 Second Avenue	FL	48702	8" to 27"	9177								
671	City of Hollywood I & J Improvements	\$1,287,616.00	Closed	City of Hollywood	2012	Juan Barreches	(305) 532-8827	1621 N 14th Ave	FL	33159	8" to 12"	4818								
672	Hollywood Academy of Art & Science	\$15,810.00	Closed	City of Hollywood	2012	Gregory Arnold	(954) 970-0211	1670 W. McShals Rd	FL	33022	8" to 12"	3150								
673	Harbour Ridge Culvert Improvements	\$65,593.00	Closed	Palm City	2012	Russell Reed	(772) 873-6048	5270 Corp Way	FL	33407	21"	3869								
674	City of Lake Worth	\$150,569.00	Closed	City of Lake Worth	2012	John Lechman	(561) 683-3113	7700 Second Avenue	FL	48702	8" to 27"	9177								
675	West Bloomfield I & J Reduction Program	\$468,526.00	Closed	Oakland County Water Resources	2012	James Mortel	(954) 921-5930	1621 N 14th Ave	FL	33159	8" to 12"	4818								
676	City of Hollywood, FL Emergency 48" FM	\$1,042,006.00	Closed	City of Hollywood	2012	James Mortel	(954) 921-5930	1621 N 14th Ave	FL	33159	8" to 12"	4818								
677	Town of Lake Clarke Shores, South Service Area - Phase II	\$405,932.00	Closed	Palm Beach County	2012	Dimitrios Scariatto	(561) 493-6090	PO Box 16097	FL	33416	8" to 27"	10900								
678	Soil and Materials Engineers - St. John's, MI	\$59,310.00	Closed	City of St. John's	2012	Jeff Edwards	(616) 406-1756	4705 Clyde Park Avenue	MI	48756	8" to 27"	1275								
679	Village of Grose Point Shores (Clareview Drive)	\$56,101.00	Closed	Village of Grose Point Shores	2012	Brett Smith	(616) 406-1756	795 Lake Shore Rd	MI	48756	8" to 27"	1275								
680	MDWASD ERT CIPP	\$15,892.00	Closed	MDWASD	2012	Donna DeMare	(813) 626-6700	1910 Seward Avenue	FL	33441	8" to 27"	116								
681	Better Roads, FDOT E7G65	\$748,800.00	Closed	FDOT	2011	Wes Kinyery	(813) 626-6700	10200 US Hwy 92 E	FL	33418	8" to 27"	441								
682	VAC VISION - FDOT E7HR00	\$780,000.00	Closed	VAC Vision Environmental	2011	Wes Kinyery	(813) 626-6700	221 SW 4th Avenue	FL	33510	84"	280								
683	HP-5 Culvert Repairs (USACE)	\$52,190.00	Closed	US Army Corps of Engineers	2011	Allred Cedeno	(941) 722-0621	2710 7th Street E	FL	34221	8" to 27"	1557								
684	TLC Landhill Lift Station	\$414,285.00	Closed	City of Landhill	2011	Charles Schermer	(772) 873-6048	2701 N 14th Service Dr	FL	33018	8" to 42"	2840								
685	Buffalo Colors Facility	\$414,285.00	Closed	City of Landhill	2011	Charles Schermer	(772) 873-6048	2701 N 14th Service Dr	FL	33018	8" to 42"	2840								
686	SE Engineering - Marlins Stadium	\$20,710.00	Closed	Miami Dade County	2011	Marly Goss	(305) 557-4226	12054 NW 98 Avenue	FL	33018	8" to 48"	387								
687	Cartmou Const - N. Bay Road & 45th Street Drainage	\$33,600.00	Closed	Miami Dade County	2011	Eduardo Dominguez	(305) 232-9024	1271 SW 131st Avenue	FL	33186	8" to 27"	205								
688	Kamanga and Roadworks	\$222,690.00	Closed	FDOT	2011	Carlos Hernandez	(616) 949-0800	3455 Broadmoor, SE Grand Rapids	MI	49512	50"	280								
689	FDOT Orange County SR 551	\$222,690.00	Closed	FDOT	2011	Ramona Scott	(850) 414-4015	605 Sumner Street	FL	32509	8" to 30"	1960								
690	Dans Excavating	\$222,690.00	Closed	Dans Excavating	2011	Brian Oleary	(561) 254-2040	12955 23 Mile Road	FL	48151	8" to 30"	400								
691	Green Dolphin Condos	\$24,960.00	Closed	Green Dolphin Condos	2011	Winn Ellenwood	(772) 784-2025	2706 All US 19 North	FL	34683	8" to 30"	701								
692	St. Lucie West	\$24,960.00	Closed	St. Lucie West	2011	Bill Jayden	(772) 784-2025	450 SW Utility Drive	FL	34683	8" to 30"	701								
693	Prime Construction (Investor's Row)	\$284,200.00	Closed	Prime Construction	2011	Shawn Kennedy	(407) 856-8181	1000 Jettanum Drive	FL	33824	8" to 27"	61								
694	Miami Beach, M. Vela	\$284,200.00	Closed	Miami Beach	2011	Shawn Kennedy	(407) 856-8181	1000 Jettanum Drive	FL	33824	8" to 27"	61								
695	Charlotte County, FL	\$86,187.00	Closed	Charlotte County	2011	Randy Vella	(941) 355-7178	1451 Myrtle Street	FL	33418	48"	170								
696	Apac Southeast (SR 400)	\$86,187.00	Closed	Apac Southeast	2011	Gregory Barr	(305) 894-1800	1050 MacArthur Causeway	FL	33418	48"	170								
697	Port of Miami Tunnel Project	\$101,985.00	Closed	Port of Miami	2011	Joe Folco	(305) 894-1800	1050 MacArthur Causeway	FL	33418	48"	170								
698	City of St. Lucie	\$670,000.00	Closed	City of St. Lucie	2010	Pablo Riano	(954) 979-0802	900 SE Oglethorpe Lane	FL	34483	8" to 27"	2615								
699	LCC Skanska Blueprint	\$15,100.00	Closed	MDWASD	2010	Bob Bishop	(663) 291-5853	PO Box 2277	FL	33883	8" to 27"	455								
700	City of Winter Haven, FL	\$41,100.00	Closed	Winter Haven	2010	Bob Bishop	(663) 291-5853	PO Box 2277	FL	33883	8" to 27"	455								
701	City of Cape Coral Drainage	\$16,500.00	Closed	Cape Coral	2010	Ron Lovace	(239) 574-0488	1750 Everest Parkway	FL	33904	8" to 27"	160								
702	Okaloosa County Airport (Tinsbury Relah)	\$45,375.00	Closed	Okaloosa County	2010	David Cousse	(308) 548-1800	396 Gifford Street	MA	02541	36"	275								
703	City of Oakland Park, FL	\$671,508.00	Closed	Oakland Park	2010	Joe Teolis	(954) 630-4441	5100 NE 12th Terrace	FL	33334	8" to 27"	20282								
704	City of Dover, DE	\$1,344,400.00	Closed	Dover	2010	Brian Turner	(302) 736-7070	860 Butner Place	DE	19904	8" to 30"	4340								

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Liner Footing	MH Rehab	Circular	Main	Water	Pressure	Sanitary	Gravity	Air System
547	Conestoga Ocean Club	\$55,880.00	Closed	Conestoga Ocean Club	2010	Donny DiMena	(954) 977-3190	1888 NW 22nd Street	FL	33469	8" to 27"	297								
546	Hilandale Emergency	\$352,088.00	Closed	Hilandale Emergency	2010	Public Works	(352) 594-0802	125 SE 5th Court	FL	33411	8" to 27"	329								
545	Okeechobee Utility Authority	\$173,620.00	Closed	Okeechobee Utility Authority	2010	John Howard, Jr.	(863) 763-0460	100 SW 5th Ave	FL	34914	8" to 27"	2668								
544	Harbour Ridge Property Assoc	\$53,650.00	Closed	Harbour Ridge Property Assoc	2010	Russell Board	(772) 871-6038	12609 Harbour Ridge Blvd	FL	34909	8" to 18"	265								
543	Town of Palm Beach D-2 hnd		Closed	Town of Palm Beach	2010	Andres Sanchez	(561) 686-5348	311 58th Trail North	FL	33413	6" to 18"	260								
541	City of Cleo, MI	\$39,825.00	Closed	City of Cleo, MI	2010	Louis Flanagan, Jr.	(810) 686-8850	505 West Main Road	MI	48420	8" to 27"	400								
540	Lake County Storm (ITB # 10-0032)	\$158,163.00	Closed	Lake County	2010	Don Brighard	(352) 483-0000	31150 Highway 17	FL	32778	8" to 18"	2600								
539	Turkey Creek HomeOwners Assoc	\$138,750.00	Closed	Turkey Creek HomeOwners Assoc	2010	Don Brighard	(352) 483-0000	11400 Turkey Creek Blvd	FL	32615	8" to 18"	1605								
538	Metro Pexx (SR 7350 H. Meyers)	\$48,772.00	Closed	Fort Meyer	2010	Mark Dombard	(941) 777-0858	6213 34th St. East	FL	34905	8" to 18"	1405								
537	Grecktown Casino	\$44,510.00	Closed	Fort Meyer	2010	Sto Summ	(586) 209-0033	16858 13 Mile Road	MI	48092	8" to 27"	182								
535	City of Sunrise Storm (M. Villa & Associates)	\$62,800.00	Closed	Grecktown Casino	2010	Bapt Legrandi	(603) 821-1236	12097 NW 98th Ave	FL	33058	8" to 27"	190								
534	Pinellas County (09-04107)	\$847,600.00	Closed	Pinellas County	2010	Paul Legrandi	(727) 451-3313	14 S Fort Harrison Ave	FL	33756	8" to 27"	2700								
532	Sagigate Condominiums	\$140,000.00	Closed	Sagigate Condominiums	2010	Scott Black	(561) 272-4219	3221 S. Ocean Blvd	FL	33497	8" to 27"	1075								
531	ESG (09-091) G (Bushnell-Welsh)	\$59,510.00	Closed	Miami	2010	Edie Barba	(605) 637-0665	4 SE 1st Street	FL	33131	8" to 27"	428								
530	Buena Vista Charter Township	\$468,900.00	Closed	Buena Vista Charter Township	2010	Joel Mares	(800) 686-3100	3013 1st Street	MI	48066	8" to 27"	4994								
529	Annandale Court (Country Club Estates)	\$15,000.00	Closed	Annandale Court	2010	Patrick Paparella	(772) 466-0856	81 Lantana Ave	FL	34960	8" to 27"	266								
528	St. Lucie West Services District	\$33,780.00	Closed	St. Lucie West Services District	2010	Bill Deben	(772) 871-2804	450 SW 11th Drive	FL	34981	8" to 27"	326								
527	Arlington Rd. Utility Improvements	\$44,720.00	Closed	Arlington Rd. Utility Improvements	2010	Karl Basso	(561) 686-5038	311 65th Trail N	FL	33413	8" to 27"	1165								
526	City of Oak Park, MI	\$189,960.00	Closed	Oak Park	2010	Robert Barrera	(248) 691-7580	13600 Oak Park Blvd.	MI	48317	8" to 27"	4309								
525	Miami Beach 2009-10	\$347,770.00	Closed	Miami Beach	2010	Ryan Fitzpatrick	(605) 335-1264	528 NW 7th Avenue	FL	33126	8" to 27"	4216								
524	Greene Pre Farm, MI	\$24,950.00	Closed	Greene Pre Farm	2010	Edward Zeman	218-630-0000	453 Hulet Drive	MI	48065	8" to 27"	275								
523	Kent South Miami Dale	\$01,988.00	Closed	Kent South Miami Dale	2010	Walt Cooper	(770) 487-2300	450 Dividend Drive	GA	30209	8" to 27"	750								
520	Pin Landerdale Beach A-22	\$1,347,065.00	Closed	Pin Landerdale Beach	2009	Walt Cooper	(954) 522-6004	200 N. Andrews Avenue	FL	33501	8" to 27"	6253								
518	Highland County CIPR Storm Rehab	\$13,510.00	Closed	Highland County	2009	D. Gilbert	(850) 831-0995	4344 George Blvd	FL	33675	8" to 27"	30								
517	Broward County Waterent Rehab	\$938,466.00	Closed	Broward County	2009	John Morris	(605) 599-2370	8491 NW 7th Street	FL	33126	8" to 27"	1700								
514	Complete Engineering (P. Landerale)	\$24,400.00	Closed	Complete Engineering	2009	Paul C. Hiltner	(760) 368-5166	3071 SW 38th Street	FL	33146	8" to 27"	5208								
513	Miami Dale Water and Sewer Department	\$1,552,335.00	Closed	Miami Dale Water and Sewer Department	2009	Kristin Murphy	(248) 511-8366	26100 American Drive	MI	48044	8" to 27"	140								
509	Federal Reserve, MI	\$15,584.00	Closed	Federal Reserve	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
508	Price Const (Cullen Lake Shore)	\$300,800.00	Closed	Price Const	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
507	City of Hallandale Beach (FL)	\$11,265.00	Closed	City of Hallandale Beach	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
506	Re-Mo Const (Deerfield Beach)	\$44,700.00	Closed	Re-Mo Const	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
505	Wood Creek Phase IV-4	\$20,705.00	Closed	Wood Creek	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
504	City of Deerfield Beach	\$1,520.00	Closed	City of Deerfield Beach	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
503	MacDill AFB, Tampa	\$352,102.00	Closed	MacDill AFB	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
502	Country Club Townhouse Estates	\$24,800.00	Closed	Country Club Townhouse Estates	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
500	FPC Kirk Road	\$24,800.00	Closed	FPC Kirk Road	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
499	City of Atlantis	\$24,800.00	Closed	City of Atlantis	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
498	Okeechobee Utility Authority	\$15,720.00	Closed	Okeechobee Utility Authority	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
497	City of Stuart (Monterey Rd.)	\$121,000.00	Closed	City of Stuart	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
496	Turkey Creek CIP 2009	\$75,000.00	Closed	Turkey Creek	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
495	Town of Lantana	\$198,320.00	Closed	Town of Lantana	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
494	Nw. 21st St. MCM storm Drain Rehabilitation	\$25,000.00	Closed	Nw. 21st St. MCM storm Drain Rehabilitation	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
493	Florida Sugar & Molasses Exchange	\$88,400.00	Closed	Florida Sugar & Molasses Exchange	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
492	City of Tampa Stormwater Rehab	\$444,060.00	Closed	City of Tampa	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
491	Port Condominium	\$14,000.00	Closed	Port Condominium	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
490	City of Boca Raton	\$14,000.00	Closed	City of Boca Raton	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
489	US Steel RFG 0813	\$297,000.00	Closed	US Steel RFG	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
488	Town of Lake Park	\$21,987.00	Closed	Town of Lake Park	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
487	Volusia County Blvd 4-4-57KW	\$51,710.00	Closed	Volusia County	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
486	Aluma Group II Phase I	\$19,556,964.00	Closed	Aluma Group	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
485	Prime Construction (McClellan Airport)	\$110,800.00	Closed	Prime Construction	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
484	North Palm Beach (66-66-66-66-66)	\$14,008.00	Closed	North Palm Beach	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
483	Deerfield Heights	\$394,866.00	Closed	Deerfield Heights	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
482	City of Deerfield Beach	\$95,944.00	Closed	City of Deerfield Beach	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
481	Harbour Ridge Condo	\$1,204,200.00	Closed	Harbour Ridge Condo	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
480	Harbour Ridge Condo	\$306,117.00	Closed	Harbour Ridge Condo	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
479	MacDill AFB H&J	\$790,300.00	Closed	MacDill AFB	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
478	City of Mahoning P.N. 14-558	\$186,700.00	Closed	City of Mahoning	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
477	City of Fort St. Louis	\$146,765.00	Closed	City of Fort St. Louis	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
476	Oakland County Maintenance	\$3,886.00	Closed	Oakland County	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
475	National Stormlines	\$352,900.00	Closed	National Stormlines	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
474	Charlotte County FL	\$268,000.00	Closed	Charlotte County	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
473	Boca Civa Force Main	\$477,711.00	Closed	Boca Civa Force Main	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
472	City of Warren	\$795,727.00	Closed	City of Warren	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
471	City of Jacksonville	\$132,454.00	Closed	City of Jacksonville	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
469	City of Ft. Lauderdale Beach	\$175,754.00	Closed	City of Ft. Lauderdale Beach	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
468	City of Ft. Lauderdale Storm D77 North	\$18,558.00	Closed	City of Ft. Lauderdale Storm D77 North	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
467	Arden Davis S.R. Pk	\$18,558.00	Closed	Arden Davis S.R. Pk	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								
466	City of Margate Fingert	\$18,710.00	Closed	City of Margate Fingert	2009	Philip Price	(603) 533-0400	180 D St. #2	FL	32962	8" to 18"	1088								

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Linear Footage	MH Rehab	Circular Liner	Force Main	Water Main	Gravity Sanitary	Gravity Drainage	Air System
465	Merritt Batts	\$17,600.00	Closed	Pompano	2008	Bill Gilmore	(954) 941-5207	2931 NE 16 Street	FL	33062	36" to 27"	53							
464	City of Midland, MI	\$50,482.00	Closed	Midland	2008	Steve Smith	(980) 837-5504	2125 Avon St	MI	48642	8" to 27"	1317							
463	Bloomfield Township, MI	\$94,248.00	Closed	Bloomfield	2008	Karen Stickle	(248) 454-6300	555 Hotel Drive	MI	48102	8" to 27"	1874							
462	Daniella Davis Blvd	\$29,322.00	Closed	Pompano	2008	Freddie Brady	(954) 275-6887	790 NE 80th Street	FL	33064	8" to 27"	288							
461	Johnson Davis Airport	\$10,890.00	Closed	Johnson Davis	2008	Bob Spink	(561) 588-1170	604 Halliwell Drive	FL	33462	8" to 27"	280							
460	USGS Great Lakes Works	\$1,467,249.00	Closed	Great Lakes	2008	Coel Mangus	(734) 451-0130	45780 Post Street	MI	48170	8" to 27"	2403							
459	Capri of South Beach	\$22,040.00	Closed	Capri of South Beach	2008	Sanjiv De Jans	(505) 471-2577	4905 NW 72nd Avenue	FL	33170	8" to 27"	380							
458	Bales Davidson-PCG	\$22,200.00	Closed	Detroit	2008	Dan Sand	(313) 426-1170	7705 Second Avenue	MI	48202	8" to 27"	408							
457	City of MI, Clemens	\$23,400.00	Closed	MI, Clemens	2008	Michael O'Connor	(480) 844-5400	904 S. Blvd. East	MI	48202	8" to 27"	236							
456	Lake Tyler Sediment Removal	\$17,050.00	Closed	Orlando	2008	Elizabeth Ray	(407) 856-8180	1000 International Drive	FL	32824	8" to 27"	120							
455	Apex Southeast SR573	\$18,000.00	Closed	Lutz	2008	John Harmon	(813) 299-2934	4636 Scarborough Dr	FL	33559	8" to 27"	126							
454	Toledo Storm Sewer (Kuhman Corp.)	\$62,100.00	Closed	Toledo	2008	Steve Wagner	(419) 794-8240	444 Kuhlman Drive	OH	43059	30" to 36"	252							
453	Annual Pinellas City Utilities P.N. 1949	\$1,960,720.00	Closed	Pinellas County	2007	Jim Schaefer	(727) 453-3343	14 S. Fort Harrison Ave	FL	33509	8" to 27"	2125							
452	City of Lathrup Village	\$1,214,132.00	Closed	Lathrup Village	2007	Glenn Appel	(206) 858-0938	One Public Works Dr	WA	98102	8" to 27"	2125							
451	NW 4 St. Emergency Force Main MDWASD	\$452,768.00	Closed	MDWASD	2007	Lanizo Contr	(954) 376-0802	125 SE 5th Court	FL	33441	8" to 27"	531							
450	Met Bush Construction	\$12,000.00	Closed	Port St. Lucie	2007	Met Bush	(772) 376-0623	2748 SW Canella St	FL	34953	8" to 27"	531							
449	City of Grose Pointe Farms	\$115,026.00	Closed	Grose Pointe Farms	2007	Matt Tappan	(313) 885-4285	90 Kirby Road	MI	48266	8" to 27"	2145							
448	Kiewit-Southern Miami	\$129,956.00	Closed	Miami	2007	Phillippe Beauvamp	(305) 869-0196	13794 NW 4th St	FL	33156	48" to 54"	3609							
447	City of Bay Harbor Islands	\$189,780.00	Closed	Lakes of Lantana and Cabana	2007	Andy Harris	(561) 684-1190	P.O. Box 21229	FL	33154	8" to 27"	3609							
446	Town of Bay Harbor Islands	\$13,600.00	Closed	University of Miami	2007	Randy Daniel	(305) 861-1799	9665 Bay Harbor Terr	FL	33124	8" to 27"	3609							
445	University of Miami	\$42,000.00	Closed	MDOT	2007	Clarice Lawrence	(313) 434-6576	3101 Technology	MI	48101	8" to 27"	350							
444	MDOT Culvert East Lansing	\$15,840.00	Closed	Homosassa Springs	2007	Chassidy Anderson	(561) 684-1190	1001 W Cypress Creek Rd	FL	33509	8" to 27"	1656							
443	Daniella Homosassa Springs	\$62,928.00	Closed	Mount Clemens	2007	Michael Shinn	(586) 469-0041	11711 Grand River Rd	MI	48116	8" to 27"	495							
442	Mount Clemens Water Plant	\$94,000.00	Closed	Fl. Meyers	2007	Dave Thimelgard	(350) 340-2259	3553 Merritt Parkway	FL	33016	8" to 27"	107							
441	SR-80 Utility Replacement Project	\$28,097.00	Closed	Midland	2007	Steve Smith	(980) 837-5300	2125 Austin St	MI	48642	8" to 27"	748							
440	City of Midland	\$15,840.00	Closed	Fl. Myers	2007	Jeff Willard	(810) 869-5376	12220 Town Lake Drive	FL	33015	8" to 27"	155							
439	WPMA Southern LLC	\$42,360.00	Closed	Dillon Place Condominium Assoc	2007	Linda Leonard	(813) 789-5115	4748 S. Ocean Blvd	FL	33487	8" to 27"	155							
438	City of Ft. Myers	\$2,820,055.00	Closed	Fort Myers	2008	Mike O'Connor	(813) 242-7205	1300 E. 8th Ave	FL	33065	8" to 27"	39705							
437	Charter Township of Clinton	\$1,069,908.00	Closed	Township of Clinton	2008	Michelle Harris	(248) 844-5400	905 South Blvd East	MI	48707	8" to 27"	39705							
436	Consumers Energy Service Center	\$65,150.00	Closed	MI, Clemens	2007	Damian Hane	(586) 469-0041	48282 N Walnut	MI	48043	8" to 27"	10305							
435	Rosa Parks Transit Center	\$134,260.00	Closed	Detroit	2007	James Cappel	(313) 361-1000	5640 St. Jean Street	MI	48715	42"	418							
434	Washington County Maple Rd	\$28,850.00	Closed	Washington County	2007	James Patterson	(734) 761-1500	555 N. Zeeb Road	MI	48742	8" to 27"	1834							
433	City of Hazel Park	\$441,434.00	Closed	Jacksonville	2008	Chad Finley	(248) 332-7931	46777 Woodward Ave	MI	48242	8" to 27"	1834							
432	City of Jacksonville	\$28,850.00	Closed	Dearborn	2008	Louis Lawrence	(904) 472-2859	609 St. Johns Bluff Road N	FL	32225	8" to 27"	4610							
431	Ferry Street Sinkhole	\$15,949.00	Closed	Landerhill	2007	Sams Shilbach	(313) 303-7044	3800 Inverrary Blvd	FL	33319	48"	64							
430	City of Landerhill Emergency Storm	\$68,140.00	Closed	Jacksonville	2007	Herb Johnson	(904) 472-2859	609 St. Johns Bluff Road N	FL	32225	8" to 27"	831							
429	PO 710721 City of Jacksonville	\$13,200.00	Closed	Oakland County Bloomfield Township	2007	Clint Llewellyn	(248) 343-5416	7700 2nd Ave	MI	48202	8" to 27"	360							
428	Oakland County Drain Comm-Bloomfield Township	\$192,748.00	Closed	Florida Memorial University	2007	Eddie Sulzatti	(561) 676-4952	26 Colonial Club Drive	FL	33541	8" to 27"	3472							
427	Florida Memorial University	\$83,260.00	Closed	John's Island Property Assoc	2007	Marvin Carter	(772) 562-4191	1708 21st Street	FL	32960	60"	332							
426	Delta Farms Water Control District	\$228,014.00	Closed	Oakland Park	2007	Joe Tesh	(954) 730-3075	5109 NE 12 Terrace	FL	33354	8" to 27"	1002							
425	John's Island Property Assoc	\$80,614.00	Closed	Bay Harbor Islands	2007	Joe Fox	(786) 256-8961	9665 Bay Harbor Terr	FL	33354	8" to 27"	165							
424	City of Oakland Park, FL	\$8,036.00	Closed	Colonial Club	2007	Eddie Sulzatti	(561) 676-4952	26 Colonial Club Drive	FL	33541	30"	312							
423	City of Bay Harbor Islands	\$5,048.00	Closed	Okeechobee Utility Authority	2007	John Hayford	(863) 763-3700	11333 So Mile Rd	FL	34974	8" to 27"	8115							
422	Colonial Club Estates-Section 1	\$13,754.00	Closed	Washington Township Hayes Road Cleaning	2007	Steve Johnson	(863) 752-1032	1750 Everest Pkwy	FL	32960	60"	332							
421	Okeechobee Utility Authority	\$95,546.00	Closed	Cape Coral	2009	Lee Johnson	(239) 233-9141	5100 L B. Med road Rd	FL	33904	8" to 27"	12410							
420	Washington Township Hayes Road Cleaning	\$1,090,005.00	Closed	Port Haron	2009	Charles Russell	(407) 246-2213	58021 Gratiot Avenue	MI	48048	8" to 27"	2060							
419	City Of Cape Coral	\$244,000.00	Closed	Manatee County	2009	John Eash	(850) 983-1877	2803 Fruitville Road	FL	32566	8" to 27"	9828							
418	Manatee County Trailer Estates Phase 3	\$587,600.00	Closed	Manatee County	2009	Chris Norris	(850) 983-1877	905 South Lark Lane	MI	48202	8" to 27"	1640							
417	White Sands Rehab	\$689,892.00	Closed	Clinton Township	2007	Clint Llewellyn	(248) 844-5400	7700 2nd Ave	MI	48202	8" to 27"	140							
416	Oakland City Energy Fee	\$14,210.00	Closed	Oakland County	2007	Eddie Sulzatti	(561) 676-4952	26 Colonial Club Drive	FL	33541	8" to 27"	147							
415	Colonial Club Estates-Section 2	\$21,600.00	Closed	Boynton Beach	2007	Ed Mackowiak	(813) 881-1162	4311 W. Waters Ave	FL	33605	8" to 27"	1024							
414	Nicasio-Project # 5-Sever Basin A-17	\$1,338,323.00	Closed	Tampa	2009	Mike Ford	(813) 675-0110	2010 N 40th Street	MI	48202	8" to 27"	3884							
413	Gilbert Southern-287	\$521,354.00	Closed	Detroit	2007	Larry Ruiz	(313) 215-1518	7510 Woodward Ave	MI	48202	8" to 27"	19325							
412	DWS - 865 C1 P P	\$15,480,269.00	Closed	Hurlbert Airforce Base	2007	Tim Prince	(850) 983-1877	133 East Home Street	KS	66441	8" to 27"	2719							
411	Hurlbert Airforce Base	\$487,310.00	Closed	Oakland County	2007	Don Schraeger	(386) 921-5991	One PWD, Bld 95 W	MI	48202	8" to 27"	255							
410	City of Palm Coast	\$70,400.00	Closed	Palm Coast	2007	Tom Vola	(386) 291-5850	7510 Woodward Ave	MI	48202	8" to 27"	475							
409	DCG DWS Annual	\$320,444.00	Closed	Winter Haven	2007	Tony Blom	(863) 540-5760	510 West Pine St	FL	33462	8" to 27"	4591							
408	City of Winterhaven	\$41,103.00	Closed	Town of Lantana	2008	Joan Gregory	(561) 417-4100	1599 NW 19th Ave	FL	33462	8" to 27"	912							
407	Ocean Grande Place - Highland Beach	\$13,920.00	Closed	Highland Beach	2007	Charles Rich, P.E.	(561) 684-1180	P.O. Box 21229	FL	33416	54" to 60"	850							
406	Loxahatchee River Road etc	\$290,224.00	Closed	WPB	2007	Adam Mingle	(810) 341-7500	PO Box 3748	MI	48202	8" to 27"	1790							
399	Village of Vernon	\$94,720.00	Closed	Village of Vernon	2008	Tim Prince	(248) 888-1110	One PWD, Bld 95 W	MI	48202	8" to 27"	77							
398	Oakland City Drain Commission	\$46,700.00	Closed	Oakland County	2007	Mike Roberts	(561) 416-3360	1401 Gladys Road	FL	33463	8" to 27"	613							
397	Boat Ration Storm	\$17,080.00	Closed	Boat Ration	2008	PI Calloway	(813) 630-3902	3808 E. 26th Ave	FL	33605	8" to 60"	10137							
396	Tampa Storm Annual	\$1,174,081.00	Closed	Jacksonville	2007	Louis Lawrence	(904) 472-2859	609 St. Johns Bluff Rd N	FL	32225	8" to 42"	999							
394	PO 52183 Cts of Jacksonville 7511 Arble Dr. (Group)	\$106,300.00	Closed	Jacksonville	2007	Louis Lawrence	(904) 472-2859	609 St. Johns Bluff Rd N	FL	32225	8" to 42"	999							

Lanzo Trenchless Technologies Completed Projects

License #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Linear Footage	MH Rehab	Circular	Force Main	Water Main	Pressure	Gravity	Drainage	Other
395	PO 52181 City of Jacksonville Hyde Park Rd	\$222,166.00	Closed	Jacksonville	2007	Louis Lawrence	(904) 472-2859	609 St Johns Bluff Rd N	FL	32225	8" to 27"	795								
392	Gross Points Shores-Woodland Shore Dr	\$73,200.00	Closed	Gross Points Shores	2006	Bret Smith	(313) 886-0020	795 Lake Shore Road	MI	48236	8" to 27"	1189								
391	D.S. Eakins-City of Riviera Beach	\$46,300.00	Closed	Riviera Beach	2006	Doug Eakins	(561) 842-0010	1481 Kinete Road	FL	33403	30"	96								
390	Clinton Township-Garfield Road	\$452,996.00	Closed	Clinton Township	2007	Mich O'Connor	(586) 844-5100	905 S Blvd East	MI	48307	36"	3362								
389	Dans Exc. Wayne Co	\$20,160.00	Closed	Wayne	2007	Dans O'Connor	(586) 251-2040	12955 S 2 Mile Rd	MI	48315	8" to 27"	3340								
388	Rockwater Hills	\$11,720.00	Closed	Rockwater Hills	2006	Tracy Blunt	(248) 841-2533	1000 Rochester Hills Dr	MI	48309	8" to 27"	165								
384	Lakeshore Condo	\$27,000.00	Closed	Lakeshore Condo	2006	Larry Doser	(586) 774-1000	16481 Common Road	MI	48066	8" to 27"	89								
383	Panar - Woodstock Phase 3	\$53,920.00	Closed	New Haven	2006	Tim Carter	(810) 343-7410	58021 Gratiot	MI	48048	8" to 30"	305								
382	Asperer-Talrand Marine Terminal	\$77,662.00	Closed	Jarport	2006	Frank Jones	(904) 650-4013	Jacksonville Port Auth	FL	32206	30"	244								
381	St. Clair Shores-CITP Ocean Water Act	\$461,346.00	Closed	St. Clair Shores	2006	Frank Variacis	(239) 533-9400	51301 Scholier Rd Shelby Township	MI	48315	8" to 27"	16360								
379	Lee County DOT-Tahitian Shores	\$41,780.00	Closed	Tahitian Shores	2006	Ehab Gurgis	(313) 886-0020	5560 Zay Dr Ft. Myers	FL	33905	8" to 72"	3264								
378	EQM - St. Clair Shores	\$54,200.00	Closed	St. Clair Shores	2006	Bill Dunn	(313) 886-0020	1800 Carillon Blvd Cincinnati	OH	45240	8" to 66"	987								
377	McDill AFB - Tampa, FL (4.5 locations)	\$1,621,509.88	Closed	Bloomfield Hills	2006	Mary Ann Warner	(313) 886-0020	PO Box 801 Bloomfield Hills	MI	48303	8" to 27"	440								
374	City of Jacksonville - Bahia Drive (Group)	\$14,700.00	Closed	Tampa	2006	Louis Lawrence	(954) 975-0098	609 St Johns Bluff Rd N Jacksonville	FL	32225	8" to 30"	16161								
373	LCC-346 Broward County West Ken Lark, 2	\$140,012.00	Closed	Royal Palm	2006	Dan Dimura	(561) 975-0098	1888 NW 2nd St Pompano	FL	33069	8" to 350	350								
372	LCC-353 Broward County Broadview Estates	\$474,652.00	Closed	Broward County	2006	LCC			FL		8" to 36"	306								
371	High Point of Delray-Shennadish	\$45,300.00	Closed	Delray	2006	LCC			FL		8" to 36"	302								
370	City of Jacksonville 2149 Leim Road	\$18,290.00	Closed	Jacksonville	2006	Louis Lawrence	(954) 975-0098	609 St Johns Bluff Rd N Jacksonville	FL	32225	8" to 30"	16161								
368	City of Tampa - North Manhattan Avenue	\$423,669.00	Closed	Tampa	2006	Louis Lawrence	(954) 975-0098	1888 NW 2nd St Pompano	FL	33069	8" to 350	350								
367	Clinton Twp, MI - Garfield Road & 15 Mile	\$327,472.00	Closed	Clinton Township	2006	Jeff Taylor	(407) 207-8898	609 St Johns Bluff Rd N Jacksonville	FL	32225	8" to 27"	105								
366	City of Fort Lauderdale, Basim B-I-1	\$2,672,515.00	Closed	Fort Lauderdale	2006	Mich O'Connor	(586) 844-5100	905 S Boulevard E Rochester Hills	MI	48307	8" to 36"	6312								
365	City of Ann Arbor, 2002 Storm Sewer Lining	\$542,119.00	Closed	City of Ann Arbor	2006	Karl Holzenberg	(313) 886-0020	200 N. Andrews Avenue Ft. Lauderdale	FL	33301	8" to 27"	20885								
364	Citrus Cty. DPW Eng. 36 in Storm Line Rehab	\$67,580.00	Closed	Broward County School District	2005	Igor Koltyar	(313) 886-0020	100 N 5th Ave Ann Arbor	MI	48107	8" to 30"	5283								
363	Danella Construction Group - CITP	\$534,338.00	Closed	Citrus County Engineering Division	2005	Wally Eastmond	(904) 472-2859	3600 W Sovereign Path #241 Lecmont	FL	34461	36"	580								
362	Prime Construction Group - CITP	\$59,045.00	Closed	Fort Myers	2005	Christy Anderson	(407) 856-8180	1000 Jetstream Dr Orlando	FL	32859	8" to 27"	5653								
361	Town of Belleair	\$1,480.00	Closed	Orlando	2005	Carlisle FurFaro	(727) 588-4798	901 Ponce Del Leon #900 Coral Gables	FL	33756	8" to 27"	195								
360	Siteworks of So. Fla., Delray Beach, 36 in. Storm Drain	\$15,640.00	Closed	Town of Belleair, FL	2005	Chip Zimmerman	(407) 856-8180	2905 S Federal Hwy	FL	33483	36"	100								
359	Hammlet Construction, Barnes & Noble-Ocala, FL	\$30,600.00	Closed	Siteworks of South Florida	2005	Gary Bal	(352) 236-0018	4260 NE 33 St Ocala	FL	34479	8" to 27"	520								
358	City of St Petersburg 2005 Annual	\$1,165,297.00	Closed	Barnes & Noble	2005	Charles Bel	(352) 236-0018	1 4th St N St Petersburg	FL	33701	8" to 27"	44057								
357	City of Sanford, FL - Storm Cleaning & Lining	\$472,725.00	Closed	St Petersburg	2005	Michael Ryle	(352) 236-0018	800 W. Fulton St Sanford	FL	32772	8" to 54"	1677								
356	Southwest Utilities-Ft Myers	\$27,268.00	Closed	Sanford	2005	Card Wood	(239) 267-0200	16341 Old US 41 South Ft. Myers	FL	33912	8" to 27"	847								
355	City of Atlantic 2005	\$53,238.00	Closed	Fort Myers	2005	Mm Thonina	(239) 267-0200	260 Orange Tree Dr Atlantis	FL	33462	8" to 27"	1412								
354	DCG Michigan Avenue 15 Inch Trenchdrop	\$28,840.00	Closed	Atlanta	2005	LCC			MI		8" to 27"	276								
353	Lee County DOT Emergency	\$206,117.00	Closed	Lee County DOT	2005	Randy Carchi	(239) 479-8580	1500 Ft. Myers	FL	33901	8" to 36"	1584								
352	Carver Shores Pipeline Rehab	\$90,000.00	Closed	Carver Shores	2005	Carlisle FurFaro	(407) 856-8180	1000 Jetstream Dr Orlando	FL	32859	30"	180								
351	Pi Piece Utilities	\$276,732.00	Closed	Fort Pierce Utilities Authority	2005	Ron FurFaro	(407) 856-8180	1701 S 37 St Ft. Pierce	FL	34947	8" to 27"	3756								
350	Pindall County Utilities Contract Services	\$276,732.00	Closed	Fort Pierce Utilities Authority	2005	Cindy William	(931) 267-7503	14 S Ft. Hwy #207 Tarpella Park	FL	33756	8" to 27"	10927								
349	AJL, LLC City of St. Petersburg Lining	\$57,030.00	Closed	St Petersburg	2005	Roh Gray	(931) 267-7503	8500 29 Way #4207 Tarpella Park	FL	33782	8" to 27"	5934								
348	City of Jacksonville 64-02 Bid County Club Road	\$331,000.00	Closed	Pindall County Utilities Contract Services	2005	Louis Lawrence	(931) 267-7503	609 St Johns Bluff Rd N Jacksonville	FL	32225	8" to 27"	453								
347	FDOT Orange County LCC	\$331,000.00	Closed	Jacksonville	2005	Julie Harley	(931) 267-7503	133 S. Semoran Blvd Orlando	FL	32225	8" to 42"	1675								
346	AAA Flexible Pipe-Royal Oak, MI	\$54,000.00	Closed	FDOT	2005	Ernest Fiaschi	(800) 542-0072	7277 Bassmer Ave Cleveland	OH	44127	8" to 27"	1059								
345	City of Roseville, MI	\$419,416.00	Closed	Royal Oak, Michigan	2005	Frank Variacis	(800) 542-0072	51301 Scholier Rd Shelby Township	MI	48315	8" to 27"	6590								
344	Cadillac Asphalt-Royal Oak, MI	\$21,420.00	Closed	Royal Oak, MI	2005	Jim Grotzinger	(248) 635-5891	4751 White Lake Rd Clarkson	MI	48315	8" to 27"	114								
343	City of Melbourne, FL	\$325,855.00	Closed	Royal Oak, MI	2005	Demis Bank	(321) 953-6231	3808 E 26 Ave Tampa	FL	33607	36"	1388								
342	City of Tampa-Palmira Trunk	\$235,235.50	Closed	Melbourne	2005	Jeff Taylor	(813) 242-5300	58021 Gratiot Ave New Haven	MI	48048	8" to 27"	1689								
341	Panar-Pt Huron, MI	\$97,080.00	Closed	Tampa	2005	Penny Duroso	(813) 242-5300	7510 Woodward Ave Detroit	MI	48202	36" to 88"	14222								
340	Detroit Outfalls	\$7,599,954.00	Closed	Port Huron	2005	Asif Bhatti	(313) 875-4115	12097 NW 98 Ave Miami	FL	33018	8" to 27"	230								
339	M. Villa-Miami Dade WASD	\$25,000.00	Closed	Detroit	2005	Miguel Vila	(313) 875-4115		MI		8" to 27"	0								
338	South Martin County Loblolly Bay	\$52,000.00	Closed	MDWASD	2005				FL		8" to 27"	629								
337	Asatid - Progresso B Ft. Land	\$102,075.00	Closed	City of Ann Arbor	2005	Jami Yaqub	(407) 207-8898	820 SR 84 #300 Davie	FL	33524	8" to 27"	629								
336	City of Ann Arbor	\$480,430.00	Closed	City of Ann Arbor	2005	Ann Warror	(407) 207-8898	100 N 5th Ave Ann Arbor	MI	48107	8" to 27"	1400								
335	City of Ocala B-2883	\$442,124.00	Closed	Ocala	2005	Edward Earnest	(407) 207-8898	405 SE Oseola Ave Ocala	FL	34471	8" to 27"	15764								
334	Dearborn Heights 2005	\$32,000.00	Closed	Dearborn Heights	2005	Jack Franzil	(313) 875-4115	24600 Van Buren Rd Dearborn Heights	MI	48125	8" to 27"	7689								
333	V.I.L. Construction 21 Inch Commerce Twp	\$158,650.00	Closed	Commerce Township	2005	Domonic Yami	(313) 875-4115	6670 Sims Sterling Heights	MI	48133	8" to 27"	406								
332	V & G Excavating Lapeer, MI Lateral Lining	\$18,305.00	Closed	Lapeer, MI	2005	Thomas Haral III	(313) 875-4115	220 E. Bay St Jacksonville	FL	32202	48"	755								
331	Detront Edison Culvert CITP	\$374,254.00	Closed	Detront Edison	2005	George Harhaway	(313) 875-4115	3808 E 26 Ave Tampa	FL	33605	8" to 27"	5477								
330	Hoke Sound HOA	\$6,200.00	Closed	Hoke Sound HOA	2005	Rick Grande	(313) 875-4115	2100 2 Ave #608 WCB Detroit	MI	48226	8" to 27"	50								
329	Johnson-Davis Broken Sound Blvd	\$6,200.00	Closed	Boea Raton	2005	Arms Smith	(313) 875-4115	604 Hillbush Dr Lantana	FL	33462	8" to 27"	12259								
328	Danella-Azalea	\$659,425.00	Closed	Azalea	2005	Kevin Pope	(407) 207-8898	1908 Foresth Rd N Orlando	FL	32807	8" to 27"	13917								
327	City of Jacksonville 1-26-05 Bid Waterman Rd	\$1,088,025.00	Closed	Harbor Beach	2005	Chassidy Anderson	(407) 207-8898	1001 W Cypress Creek Rd Ft Lauderdale	FL	33309	8" to 27"	14322								
326	City of Jacksonville 1-26-05 Bid Stuart St	\$72,020.00	Closed	Jacksonville	2005	Tommy Melton	(407) 207-8898	220 E. Bay St Jacksonville	FL	32202	48"	755								
325	City of Tampa-21 Avenue	\$394,297.50	Closed	Jacksonville	2005	Jeff Taylor	(407) 207-8898	3808 E 26 Ave Tampa	FL	33605	8" to 27"	5477								
324	Royal Oak, MI-2005	\$98,148.00	Closed	Tampa	2005	William Heil	(407) 207-8898	211 Williams St Royal Oak	MI	48068	8" to 27"	2200								
323	Pindelas County	\$431,357.00	Closed	Royal Oak, MI	2005	Cindy William	(407) 207-8898	705 N Zeeb Rd Ann Arbor	FL	34616	8" to 30"	6075								
322	Shady Knolls	\$13,568.00	Closed	Pindelas County	2005	Gary Elling	(407) 207-8898	1395 Rochester Rd Dearborn	MI	48083	8" to 27"	120								
321	Twelven Excavating	\$13,805.00	Closed	Washburn County	2004	Dan Twelven	(407) 207-8898	6311 Taylor Dr Flint	MI	48507	8" to 27"	120								
319	City of Clio	\$734,540.00	Closed	Clio	2004	Jon Flores	(407) 207-8898		MI		8" to 27"	120								

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Liner Footage	MH Rehab	Circular	Force Main	Water Pressure	Sanitary	Gravity	Drainage	Air System
318	Village of Groves Point Shores	\$1,073,018.00	Closed	Village Groves Point Shores, Michigan	2004	Bert Smith		795 Lake Shore Road Groves Point Shores	MI		8" to 24"	14387								
317	Florida Memorial College	\$51,982.00	Closed	Florida Memorial College	2004	Illean Ayarza		14166 Palmview Frisco Rd #22 Miami Lakes	FL	33016	8" to 27"	1146								
316	City of Jacksonville, 11-10-64 Blvd	\$48,350.00	Closed	Jacksonville	2004	Tommy Melton		220 E. Bay St Jacksonville	FL	32202	8" to 27"	376								
315	LCC 331-Olive Ave-WPB, FL	\$47,100.00	Closed	West Palm Beach	2004	JCC			FL		8" to 27"	325								
314	LCC F327-Duce Hwy WPB, FL	\$163,200.00	Closed	West Palm Beach	2004	JCC			FL		8" to 27"	445								
313	City of Ft. Pierce Emergency Repair	\$150,000.00	Closed	Fort Pierce	2004	Bo Hutchinson		113 N 2 St Ft. Pierce	FL	34950	30" to 60"	3212								
312	City of Jacksonville 08-11-04	\$799,120.00	Closed	Jacksonville	2004	Tommy Melton		220 E. Bay St Jacksonville	FL	32202	8" to 27"	1441								
311	City of Boca Raton No. 2004-061	\$792,840.00	Closed	Boca Raton	2004	Kom Goodley		1401 Glades Rd Boca Raton	FL	33431	8" to 27"	4762								
310	City of Detroit CS-1374	\$226,855.00	Closed	Detroit	2004	Mari Seely		220 W Congress Detroit	MI	48226	8" to 27"	4624								
309	Gilbert Southern Gulf County	\$133,269.00	Closed	Gulf County	2004	Dark Hosen		811 N. Hines St Pensacola	FL	32350	8" to 27"	4624								
308	City of Eastpointe	\$319,958.00	Closed	Eastpointe	2004	Frank Varsialis		51301 Scholier Rd Shelby Township	MI	48151	8" to 27"	4783								
307	City of Eastpointe	\$1,000,090.99	Closed	Eastpointe	2004	Frank Varsialis		51301 Scholier Rd Shelby Township	MI	48151	8" to 27"	11659								
306	City of Jacksonville	\$62,700.00	Closed	Jacksonville	2004	Louis Lawrence		699 St Johns Bluff Rd N Jacksonville	FL	32215	8" to 27"	1258								
305	City of Jacksonville	\$965,332.00	Closed	Jacksonville	2004	Herb Johnson		2000 City Hall Dr Jacksonville	FL	32215	8" to 27"	30858								
304	R.E. Puncell Construction	\$162,600.00	Closed	Lauderhill	2004	Richard Lashorne	(954) 730-2660	1550 Sturges Rd Largo	FL	33771	8" to 27"	1757								
303	O'Laughlin 18" Line	\$13,905.00	Closed	O'Laughlin	2004	Steve Zadjel		12500 Emerson Dr Brighton	MI	48116	8" to 27"	0								
302	Berlin Charter Twp	\$2,499,420.00	Closed		2004	Steve Zadjel		3600 W Savoying Park #211 Leanset	MI	34461	8" to 27"	257								
301	Citrus County Engineering Division	\$51,500.00	Closed	Citrus County Engineering Division	2004	Steve Zadjel		220 E. Bay St Jacksonville	FL	32202	8" to 27"	687								
299	City of Jacksonville GS-0004-03	\$61,120.00	Closed	Jacksonville	2004	Tommy Melton			FL		8" to 27"	789								
298	LCC-Broward East F324	\$24,223.50	Closed	Broward County	2004	JCC		52188 VanDale St 211 Shelby Township	MI	48316	8" to 27"	1060								
297	Tiger Excavating	\$40,132.00	Closed	MDOT	2004	Jeff Powek		614 S Jefferson Midland	MI	48641	8" to 27"	1174								
296	Fisher Contracting	\$291,200.00	Closed	Bonita Springs	2004	Steve O'Neira		9220 Bonita Beach Rd #108 Bonita Springs	FL	34135	8" to 27"	210								
295	City of Bonita Springs	\$25,830.00	Closed	Clio	2004	Jennifer Woods			MI	48157	8" to 27"	2200								
294	City of Clio	\$233,680.00	Closed		2004	Low Ploury		6311 Taylor Dr Flint	MI	48157	8" to 27"	125								
293	City of Auburn Hills	\$55,125.00	Closed	Auburn Hills	2004	Vern Coss		34000 Phyllis Rd Livonia	MI	48156	8" to 27"	6000								
292	City of Dearborn	\$458,596.00	Closed	Dearborn	2004	Eid Senek		4500 Maple Dearborn	MI	48124	8" to 27"	533								
291	City of Birmingham	\$15,927.00	Closed	Birmingham	2004	Paul O'Neira		151 Martin St Birmingham	MI	33199	8" to 27"	598								
290	Florida International University	\$110,430.00	Closed	Florida International University	2004	Francisco Salazar		11200 SW 8 St Miami	FL	33199	8" to 27"	1284								
289	City of Fort Lauderdale #10749	\$1,546,855.00	Closed	Fort Lauderdale	2004	Louis Coss		220 W Congress Detroit	MI	48326	8" to 27"	50600								
288	Clinton Twp Sections 28 & 33	\$1,957,795.00	Closed	Clinton Township	2004	George Nichols		1115 Russel Dr Highland Beach	FL	33487	8" to 27"	837								
287	City of Lighthouse Point	\$85,928.00	Closed	Lighthouse Point	2004	Art Graham		4730 NE 21 Terr Lighthouse Point	FL	33164	8" to 27"	262								
286	Gilbert Southern Corp., Florida	\$73,871.24	Closed	Lighthouse Point	2004	Russ Williams		2010 N 40 St Tampa	FL	33605	8" to 27"	455								
285	City of Jacksonville	\$66,708.00	Closed	Jacksonville	2004	Tommy Melton		220 E. Bay St Jacksonville	MI	32202	8" to 27"	432								
284	City of Dearborn Heights	\$52,300.00	Closed		2004	Tommy Melton			MI		8" to 27"	1702								
283	Grosse Isle Township, Michigan	\$54,405.00	Closed	Grosse Isle Township, Michigan	2005	Leslie Landwehr		424 E Main St Macomb	MI	48340	8" to 27"	837								
282	Camas Cove Storm	\$12,684.00	Closed	Camas Cove	2005	Louis Stern		1115 Russel Dr Highland Beach	FL	33487	8" to 27"	147								
281	City of Lighthouse Point	\$21,077.90	Closed	City of Lighthouse Point	2005	Art Graham		4730 NE 21 Terr Lighthouse Point	FL	33164	8" to 27"	262								
280	City of Riviera Beach	\$52,164.00	Closed	Riviera Beach	2005	Mike Williams		600 W Blue Heron Blvd Riviera Beach	FL	33404	8" to 27"	2075								
279	City of Troy, Michigan	\$69,680.00	Closed		2005	Tommy Melton			MI	33408	8" to 27"	1702								
278	PPL Cooling Ponds, Florida	\$53,750.00	Closed	PPL	2005	Ron Pawlkyk		7001 University Blvd Juno Beach	FL	33408	8" to 27"	688								
277	City of Jacksonville, Florida	\$59,260.00	Closed	Jacksonville	2005	Tommy Melton		220 E. Bay St Jacksonville	FL	32202	8" to 27"	107								
276	Highlands County Storm Sewer	\$4,781.00	Closed	Highlands County	2005	Eid Yarbough		4344 George Blvd Sebring	FL	33875	8" to 27"	138								
275	Palm Beach Utilities-Annual	\$275,000.00	Closed	Palm Beach County	2005	Dimitrios Sarrlatto		PO Box 16097 West Palm Beach	FL	33416	8" to 27"	7501								
274	Broward City-Annual 2003-2004	\$711,520.00	Closed	Broward County	2005	Carl Archie		2555 W Caplans Rd Pompano	FL	33069	8" to 27"	1545								
273	City of Largo-Annual	\$189,100.00	Closed	Largo	2005	Jeramy Matthei		100 N 5th Ave Am Arbor	MI	48107	8" to 27"	2015								
272	City of Ann Arbor Spring Street	\$239,175.00	Closed	City of Ann Arbor	2005	Bernie O'Brien		4941 White Lake Rd Clarkson	MI	48347	8" to 27"	1200								
271	City of Tampa, Riverview Terrace	\$194,779.00	Closed	Tampa	2005	Vince Gallager		1506 S 1st St Tampa	FL	33607	8" to 27"	1725								
270	City of Pontiac, Michigan 2003-2004 B-02-MC-260009 0	\$174,695.00	Closed	Pontiac	2005	Jack Cady		4677 Woodward Ave Pontiac	MI	48342	8" to 27"	3577								
269	Walbridge Aldinger, Michigan Ford Theatre	\$148,000.00	Closed	Walbridge Aldinger	2005	Josh Halber		613 Abbott St Dearborn	MI	48226	8" to 27"	250								
268	Orange County/Orlando Route Road	\$489,640.00	Closed	Orange County/Orlando	2005	Dale Mills		PO Box 4910 Jacksonville	FL	32201	8" to 27"	11110								
267	JEA Sherwood Forest Area WGS-122-03	\$1,089,959.00	Closed	JEA	2005	Jerry Gibson		1750 Everett Parkway Cape Coral	FL	33904	30"	135								
266	City of Cape Coral/PO #066224	\$18,000.00	Closed	Cape Coral	2005	Jerry Gibson		576 Liberty Park Leptor	FL	33904	30"	135								
265	City of Lapeer Public Works	\$10,283.00	Closed	Lapeer Public Works	2005	Jerry Gibson		PO Box 2338 Ft. Myers	FL	33903	8" to 27"	720								
264	Lee County DOT Operations	\$49,694.00	Closed	Lee County DOT Operations	2005	Clay Simmons		PO Box 16097 West Palm Beach	FL	33416	8" to 27"	7501								
263	City of Jacksonville DOT	\$187,568.00	Closed	Jacksonville	2005	Tommy Melton		220 E. Bay St Jacksonville	FL	32202	8" to 27"	1998								
262	Thompson-McCully	\$78,000.00	Closed	Thompson-McCully	2005	Aron Price		451 White Lake Rd Clarkson	MI	48125	8" to 27"	2635								
261	HomeTown Country Estates	\$56,355.00	Closed	HomeTown Country Estates	2005	Wanda		6800 NW 39 Ave Coconut Creek	FL	33075	8" to 27"	800								
260	City of Sunny Isles Beach	\$12,410.00	Closed	Sunny Isles Beach	2005	James Watts		17070 Collins Ave #205 Sunny Isles Beach	FL	33160	8" to 27"	175								
259	JEA East Jacksonville Area WGS-095-03	\$1,848,458.00	Closed	JEA	2005	Dale Mills		PO Box 4910 Jacksonville	FL	32210	8" to 27"	21228								
258	JEA Southwest Jacksonville Area WGS-094-03	\$1,729,561.00	Closed	JEA	2005	Dale Mills		PO Box 4910 Jacksonville	FL	32210	8" to 27"	20322								
257	Charter Township of Clinton MI	\$965,251.00	Closed	Charter Township of Clinton	2005	George Nichols		220 W Congress Detroit	MI	48226	8" to 27"	24597								
256	City of Dearborn Heights	\$744,304.00	Closed	Dearborn Heights	2005	Kenneth Carlson		24600 Van Born Rd Dearborn Heights	MI	48125	8" to 27"	3769								
255	City of Lighthouse Point PO No. 20030132-00	\$42,956.00	Closed	Lighthouse Point	2005	Art Graham		4730 NE 21 Terr Lighthouse Point	MI	33064	8" to 27"	867								
254	City of St Petersburg Sanitary Sewer Improvements Phase 1	\$2,457,451.00	Closed	St Petersburg	2005	Thomas Gibson		1 4th St N St Petersburg	FL	33701	8" to 27"	42845								
253	MDWASD S-770 Two Year	\$900,000.00	Closed	MDWASD	2005	JCC			FL		54"	3700								
252	LCC-MDWASD S-751 Flagger 3700' OF 54" PCPP CIPP 0	\$1,026,685.30	Closed	Town of Bay Harbor Islands	2005	Randy Daniel	(305) 861-1799	9665 Bay Harbor Terr	FL	33154	8" to 27"	3700								
251	Town of Bay Harbor Islands Contract No. BHL-102 0	\$17,650.00	Closed	JEA Operations-NAS	2005	Jim Praver		220 E. Bay St Jacksonville	FL	32202	8" to 27"	220								
249	JEA Operations-Maryport Naval Station	\$7,524.00	Closed	JEA Operations-Maryport Naval Station	2005	Barbara Kuhl		14 S Ft. Harrison St Clearwater	FL	34616	8" to 30"	9485								
248	Pinellas County no. 713-60117-1629 0	\$877,098.00	Closed	Pinellas County	2005	Barbara Kuhl			FL		8" to 30"	9485								

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Liner Footage	MH Rehab	Circular Liner	Force Main	Water Main	Pressure	Sanitary	Gravity	Drainage	Air System
247	City of Dayton Beach Contract #2002-148 0	\$72,000.00	Closed	Daytona Beach	2003	Robert Dawitt		950 Bellevue Ave Daytona Beach	FL	32114	48"	70									
246	Turkey Creek Master Association (TCMOA)	\$71,775.00	Closed	Turkey Creek Master Association (TCMOA)	2003	Ed Colleppe		341 Turkey Creek Alabama	FL	32615		0									
245	City of Jacksonville Storm Sewer Drainage 0	\$1,000,000.00	Closed	Jacksonville	2003				FL			0									
244	City of Jacksonville 36" 04000003920 0	\$25,400.00	Closed	Sebastian	2003	Ken Jones		1235 Main St Sebastian	FL	32958	36"	140									
243	Homestead County Estates	\$154,800.00	Closed	Homestead County Estates	2003	Wanda		6800 NW 29 Ave Clewiston	FL	33073	8" to 27"	1445									
242	City of Daytona Beach 8" Preline Rehabilitation	\$52,020.00	Closed	Daytona	2002	James Shange		950 Bellevue Ave Daytona Beach	FL	32114	8"	738									
241	City of Jacksonville 42" Tunk Sewer Emergencies 0	\$273,160.00	Closed	Daytona	2002	Tommy Melton		220 E St Jacksonville	FL	32202	8" to 41"	1804									
240	Charter Township of Clinton	\$461,800.00	Closed	Charter Township of Clinton	2002	George Nichols		905 S Blvd East Rochester Hills	MI	4807	8" to 27"	7774									
239	City of Cape Coral 2002-2003 Annual	\$183,595.00	Closed	City of Cape Coral	2002	Joe Gibson		1750 Broadway Cape Coral	FL	33904	8" to 48"	955									
238	City of Ft Pierce Pigback Ops Locks	\$40,000.00	Closed	Ft Pierce	2002	Bill Thoms		206 S 6th St Ft Pierce	FL	34950	8" to 27"	2108									
237	F Jacksonville, CS-0021-00 Westline, Miller Oaks Drive	\$181,390.00	Closed	Jacksonville	2002	Tommy Melton		220 E St Jacksonville	FL	32202	8" to 30"	2108									
236	Broward Co School Board-Nova High School	\$21,000.00	Closed	Jacksonville	2002	Marc Davisett		3810 NW 10 Ave Oakland Park	FL	33309	8" to 27"	480									
235	City of Grose Pointe, Michigan PO No. 28603	\$19,800.00	Closed	Grosse Pointe	2002				MI		280										
234	Lee County DOT Operations	\$7,050.00	Closed	Lee County DOT Operations	2002	Clay Simmons		PO Box 2238 Ft Myers	FL	33002		0									
233	City of Cape Coral, Florida 4206 Coronado Parkway, Bld #112001-11	\$34,700.00	Closed	Cape Coral	2002	Jerry Glendon		1750 Riverfront Parkway Cape Coral	FL	33904	8" to 48"	479									
232	City of Dearborn, Michigan/Combined Sewer Rehabilitation Job No. 02-04	\$102,400.00	Closed	Dearborn	2002	Steve Al-Dabbak		450 Maple Dearborn	MI	48126	8" to 27"	12443									
231	Merrell Chevrolet / Eastpointe	\$15,500.00	Closed	Dearborn Heights	2002				MI		165										
230	Dearborn Heights	\$153,475.00	Closed	Dearborn Heights	2002	Peter Larsen		4000 Hollywood Blvd Hollywood	FL	33021	30" to 48"	5452									
229	Broward County T-2-02-031-C-5	\$4,278,100.00	Closed	Broward County	2002	Rick Dapanna		201 Highland Ave Largo	FL	33770	8" to 27"	207									
228	City of Largo Contract No. 02-C-857	\$6,040.00	Closed	Country Lakes	2002	Jim Dicks		1120 NW 6th Ave Boca Raton	FL		96"										
227	Highway Port Of Palm Beach	\$138,129.50	Closed	Port of Palm Beach	2002	Tommy Melton		220 E Bay St Jacksonville	FL	32202	8" to 36"	1278									
226	Country Lakes / Lake View	\$121,760.00	Closed	Country Lakes	2002	Marsha Ferra		4250 NW 10 Ave Ft Lauderdale	FL	33309	8" to 27"	27445									
225	City of Jacksonville CS-0021-00	\$19,400.00	Closed	Fort Lauderdale	2002	Joe DeLano		1235 Main St Sebastian	FL	32958	8" to 27"	120									
224	Colonial Club, Boynton Beach	\$6,600.00	Closed	Boynton Beach	2002	Linda Kintelon		2154 Elder St Stuart	FL	34994	8" to 36"	1737									
223	City of Fort Lauderdale TFB No. 422-5743	\$188,305.00	Closed	Schwan	2002	Mark Overnal		3100 Tyrone Blvd St Petersburg	FL	33710	8" to 48"	2444									
222	City of South Broward County	\$199,432.00	Closed	South Broward County	2002	John Kozith		10850 Southfield Rd Allen Park	MI	48101	8" to 27"	2465									
221	Agua, Bld # 857 Pigback Pl, Project 101 April 1 Unit Controll	\$13,032.00	Closed	City of Allandale	2002	LCC			FL		420										
220	City of South Broward County	\$158,674.00	Closed	South Broward County	2002				FL		2688										
219	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
218	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
217	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
216	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
215	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
214	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
213	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
212	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
211	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
210	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
209	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
208	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
207	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
206	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
205	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
204	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
203	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
202	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
201	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
199	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
198	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
197	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
196	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
195	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
194	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
193	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
192	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
191	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
190	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
189	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
188	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
187	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
186	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
185	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
184	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
183	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
182	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
181	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
180	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
179	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
178	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										
177	City of Allandale, Lake View, Storm City For Lee	\$10,433.50	Closed	South Broward County	2002				FL		271										

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Linear Footage	MH Rehab	Circular	Force M	Water	Main Pressure	Gravity	Sanitary	Drainage	Air System
176	City Of Dearborn Heights, MI - Ne 1/4 Section 9	\$241,232.00	Closed	Dearborn Heights	2000	Gary Blackburn		24600 Van Born Road	MI	48125	8" to 27"	1577									
175	Jefferson Avenue Inceptor	\$625,000.00	Closed		2000	Doug Miller		28135 Grossebeck Hwy Roseville	MI			782									
174	City Of Cape Coral/Pa051488 -	\$160,000.00	Closed	Cape Coral	2000	Jerry Gibson		1750 Everett Parkway Cape Coral	FL	33904	8" to 27"	1352									
173	Bea Storm/Pa0102716 -	\$120,000.00	Closed	Bea Raton	2000	Mike Roberts		201 W Palmto Park Rd Bea Raton	FL	33432	8" to 27"	1316									
172	Johnson-Davis Bea Raton Royal Palm Yacht & Country Club	\$173,350.00	Closed	Bea Raton	2000	Bob Sparks		604 Hillbush Dr Lantana	FL	33462	8" to 27"	2339									
171	Johnson-Davis Poy99-74247470	\$54,280.00	Closed	Charter Township of Clinton	2000	Henry Glaus		604 Hillbush Dr Lantana	FL	33462	8" to 27"	2339									
170	Charter Township of Clinton, MI Job No. C100-42	\$2,226,214.45	Closed	Charter Township of Clinton	2000	George Nichols		905 S Blvd East Rochester Hills	MI	48307	8" to 27"	28583									
169	JEA - 42" Emergency/Wed-279-00	\$1,882,478.00	Closed	JEA	2000	John Jones		PO Box 4910 Jacksonville	FL	32201	12"	28663									
168	City Of Bea Raton, Pigeback MDWASD-701-1	\$1,000,000.00	Closed	Bea Raton	2000	Andy Lowry		1401 Glades Road Bea Raton	FL	33431	8" to 27"	28651									
167	Highland Beach/Hol 9900-061 12" CIPP Rehabilitation Of Drainage	\$9,424.00	Closed	Diplomat Hotel	2000	Eric Jones		1800 Elliot Dr #600 Ft Lauderdale	FL	33316	8" to 27"	12420									
165	Town Of Lantana/ System #4487/Pw/ Ds 81	\$549,150.00	Closed	Town Of Lantana	2000	Jack Lee		6314 S Ocean Blvd Highland Beach	FL	33487	8" to 27"	120									
164	City Of Ft. Lauderdale Bid No. 602-8291	\$751,851.00	Closed	Town Of Lantana	2000	Henry Glaus		8895 N Military Trail #101B Palm Beach Grc	FL	33410	8" to 27"	12550									
163	Water Management S-13A Pipe Liner Broward County Florida Gwrla	\$357,000.00	Closed	Fort Lauderdale	2000	Art Sacy		4520 NW 10 Ave Ft Lauderdale	FL	33309	72"	18948									
162	JEA Groundworks Cured In Place Master Contract Wes-084-00	\$10,000,000.00	Closed	SFWMD	2000	Alan Chumpage	(904) 665-6000	3301 Gum Club Rd West Palm Beach	FL	33406	72"	800									
161	Bay Harbor Islands Contract Bhi-64	\$67,054.80	Closed	JEA	2000	Eric Evans		PO Box 4910 Jacksonville	FL	32201	8" to 27"	2135									
160	BP Oil Company - Contract No. 24 8201 J335926	\$172,444.00	Closed	Bay Harbor Islands	2000	Linda Carlson		9665 Bay Harbor Island Bay Harbor Island	MA	01004	8" to 27"	942									
159	Town Of Gulfstream	\$46,900.00	Closed	BP Oil Company	2000	William Thrasher		447 Sea Rd Gulfstream	MA	01004	8" to 27"	1090									
157	MDWASD Contract S-701-1	\$5,256,160.00	Closed	MDWASD	2000	Elden Danielson		35751 Williams St Royal Oak	MI	33146	8" to 27"	92000									
156	City Of Royal Oak, MI	\$214,035.00	Closed	Royal Oak	2000	Henry Glaus		211 Williams St Royal Oak	MI	48068	8" to 27"	3700									
155	Town Of Lantana, System No. 9	\$88,920.00	Closed	Town Of Lantana	2000	Henry Glaus		8895 N Military Trail #101B Palm Beach Grc	FL	33410	8" to 27"	2380									
154	City Of Lantana, System No. 3	\$113,770.00	Closed	Town Of Lantana	2000	Henry Glaus		8895 N Military Trail #101B Palm Beach Grc	FL	33410	8" to 27"	2380									
153	City Of Riviera Beach/Cipp Repair	\$103,749.00	Closed	Riviera Beach	2000	Kevin McGee		1750 Everest Parkway Cape Coral	FL	33904	30"	560									
152	Cape Coral/Rip-Pw031199-30	\$160,000.00	Closed	Cape Coral	2000	Henry Glaus		8895 N Military Trail #101B Palm Beach Grc	FL	33410	8" to 30"	1258									
151	City Of Atlantis/Bea Project #89-1038-7 F.Y. 2000	\$75,944.00	Closed	Atlantis	2000	Mike Roberts		201 W Palmto Park Rd Bea Raton	FL	33432	8" to 27"	2650									
150	City Of Bea Raton	\$120,000.00	Closed	Bea Raton	2000	Chris Cummins		109 5th St Orlando	FL	32824	8" to 27"	4012									
149	Custom Fab/City Of Ft. Lauderdale	\$142,000.00	Closed	Fort Lauderdale	2000	Daniel Sullivan	(904) 367-8917	220 E. Bay St Jacksonville	FL	32202	60"	130									
148	City Of Jacksonville/Bld C-021-00 C.I.P.P	\$68,000.00	Closed	Jackonville	2000	Bill Theriss		206 S 6th St Fort Pierce	FL	34950	30" to 36"	400									
147	City Of Ft. Pierce	\$131,830.00	Closed	Fort Pierce	2000	Bill Theriss		206 S 6th St Fort Pierce	FL	34950	30" to 36"	400									
146	Okeshobee	TIME & MATERIAL	Closed	Okeshobee County	2000	Paul Sousa		1237 Village Rd North Palm Beach	FL	33408	8" to 27"	1598									
145	Last Tree Village	\$62,154.00	Closed	Bea Raton	2000	Bill Cavalier		201 W Palmto Park Rd Bea Raton	FL	33432	8" to 27"	28600									
144	City Of Bea Raton Pa # 07512	\$1,000,000.00	Closed	Bea Raton	2000	Bill Cavalier		201 W Palmto Park Rd Bea Raton	FL	33432	8" to 27"	28600									
143	Waste Management-Pompano	TIME & MATERIAL	Closed	Waste Management-Pompano	2000				FL			0									
142	Delta, Sample	TIME & MATERIAL	Closed		2000							0									
141	Delta, Cupans	TIME & MATERIAL	Closed		1999							0									
140	Okelanta	TIME & MATERIAL	Closed	Okelanta	1999							0									
139	City Of Key West - Toppine/S	\$13,800.00	Closed	Key West	1999				FL		8" to 30"	60									
138	Ave. Eisenhower & Greene St. Lining/LC Contract Se-9813, Pa#018	\$186,729.00	Closed	Key West	1999				FL		8" to 30"	2250									
137	City Of Ft. Pierce - Emergency Repair	\$648,388.65	Closed	Fort Pierce	1999				FL		30" to 12"	818									
136	Johnson-Davis: Royal Palm Yacht & Country Club Pa#98-189-5557	\$94,632.00	Closed	Royal Palm Yacht & Country Club	1999	Robert Spink		604 Halliburth Dr Lantana	FL	33462	8" to 27"	1390									
135	City Of Trenton, MI 181 Proj# 5127-01/Contract# T99-4Cipp-01	\$1,542,000.00	Closed	Trenton	1999	William Hogan		2800 3rd St Trenton	MI	48183	8" to 27"	62950									
134	U.S. Dept. Of Justice Federal Bureau Of Prisons At FCI Miami	\$17,064.00	Closed	Bea Raton	1999	Buddy Chiffin		15801 SW 137 Ave Miami	FL	33177	8" to 27"	260									
133	City Of Bea Raton Pa#065109	\$118,677.50	Closed	Bea Raton	1999	Mike Bellera		201 W Palmto Park Rd Bea Raton	FL	33432	8" to 27"	1600									
132	OF Grosse Pointe Woods, MI Awp Project No. 160-124/1999 - Distr	\$319,995.00	Closed	Grosse Pointe Woods	1999	Frank Varsalli		51401 Schumber Rd Shelly Township	MI	48315	8" to 27"	5617									
131	City Of Ft. Pierce Bid No. 4857, Annual Unit Cost Contract	\$2,483,470.00	Closed	Fort Pierce	1999	Bill Theriss		206 S 6th St Fort Pierce	FL	34950	8" to 27"	53500									
130	City Of Cape Coral Rlp-Pw031199-30/Cost Proposal	\$94,500.00	Closed	Cape Coral	1999	Kevin McGee		1750 Everest Parkway Cape Coral	FL	33904	8" to 27"	1620									
129	Fort Pierce Utilities	\$165,000.00	Closed	Fort Pierce	1999				FL		8" to 27"	760									
128	Palm Beach County Annual Contract Project# Wad 0-48R	\$100,000.00	Closed	Palm Beach County	1998	Duane Palumbo		2065 Parrie Rd West Palm Beach	FL	33416	8" to 27"	1229									
127	Bea Raton Royal Palm Yacht & Country Club Pa#03972	\$500,000.00	Closed	Bea Raton Royal Palm Yacht & Country Club	1998	Bill Cavalier		201 W Palmto Park Rd Bea Raton	FL	33432	8" to 27"	16870									
126	Mt. Clemens, Md Lanzo Construction Project #0189 070-S-1	\$68,695.00	Closed	Mount Clemens	1998				MI		8" to 27"	1107									
125	Lansing, MI Lanzo Construction	\$75,000.00	Closed	Lansing, MI	1998	Turk Palmy		28135 Grossebeck Hwy Roseville	MI	48307	8" to 27"	331									
124	Clinton Township, MI Job#C199-06	\$125,084.00	Closed	Clinton Township	1998	Mike O'Connor		905 S Boulevard E Rochester Hills	MI	48307	8" to 27"	2640									
123	City Of Dearborn, MI	\$248,930.00	Closed	Dearborn	1998	Alan Leobach		4500 Maple Dearborn	MI	48126	8" to 27"	4187									
122	City Of Dearborn, MI	\$918,050.00	Closed	Dearborn	1998	Frank Varsalli		51401 Schumber Rd Shelly Township	MI	48315	8" to 27"	15388									
121	West Jensen-Lowes-Pa#0606840	\$38,975.00	Closed	Lantana	1998	Henry Glaus		860 US Hwy 1 #202 North Palm Beach	FL	33408	8" to 27"	660									
120	City Of Atlantis	\$34,000.00	Closed	Atlantis	1998	Henry Glaus		860 US Hwy 1 #202 North Palm Beach	FL	33408	8" to 27"	660									
119	City Of Jacksonville - Ceil Field - Ch2M Hill	\$327,000.00	Closed	Jacksonville	1998	Henry Glaus		860 US Hwy 1 #202 North Palm Beach	FL	33408	8" to 27"	660									
118	City Of Riviera Beach Pa Proj# 97-1029-6	\$44,518.00	Closed	Riviera Beach	1998	Henry Glaus		860 US Hwy 1 #202 North Palm Beach	FL	33408	8" to 27"	660									
117	MDWASD Bid No. 5787-0301-1	\$380,030.00	Closed	MDWASD	1998	John Enzor		8175 NW 12 St #110 Miami	FL	33126	8" to 36"	9670									
116	MDWASD Bid No. 5787-0301-1	\$215,000.00	Closed	MDWASD	1998	John Enzor		8175 NW 12 St #110 Miami	FL	33126	8" to 36"	9670									
115	MDWASD S-657	\$1,288,888.00	Closed	Garrett's Restaurant	1998	Christopher Rish		999 Ponce De Leon Blvd Coral Gables	FL	33134	36"	2060									
114	Lanzo Construction 60" CIPP At Garrett's Restaurant	\$179,000.00	Closed	Town Of South Palm Beach	1998				FL		8" to 27"	1176									
113	Town Of South Palm Beach	\$45,864.00	Closed	Coral Gables	1998				FL		36"	2060									
112	Jackonville Annual	\$555,030.00	Closed	Jackonville	1998	Christopher Rish		999 Ponce De Leon Blvd Coral Gables	FL	33134	36"	2060									
111	Fort Lauderdale Bid #692-8000	\$322,000.00	Closed	Fort Lauderdale	1997	Ave Hayward		100 N Andrews Ave Ft. Lauderdale	FL	33301	8" to 27"	4105									
110	City Of Bea Raton Miscellaneous Locations	\$248,587.00	Closed	Bea Raton	1997	Bill Cavalier		201 Palmto Park Rd Bea	FL	33432	8" to 27"	5997									
109	Pontiac MI Det Project #63041-38512	\$79,054.00	Closed	MDOT	1997	Al Sori		125 W Huron Pontiac	MI	48314	8" to 36"	931									
108	Cocoa Beach Flot Project #70011-3502	\$682,855.00	Closed	FDOT	1997	Caldwell Hammond		1514 S Washington ave Titusville	FL	32780	8" to 60"	2509									
107	City Of Hialeah	\$21,124.00	Closed	Hialeah	1997	Steve Bailey		3700 W 4th Ave Hialeah	FL	33012	8" to 60"	514									
106	City Of Rivern Beach	\$181,352.00	Closed	Riviera Beach	1997	Henry Glaus		860 US Hwy 1 #202 North Palm Beach	FL	33408	8" to 27"	2663									

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Linear Footage	MHI Rehab	Circular	Force Main	Water Main	Pressure	Sanitary	Gravity	Drainage	Air System
104	MDWASD Contract #S475.2 Yr. Citywide Collect	\$7,200,000.00	Closed	MDWASD	1997	Alvin Quashko		2191 NW 97 Ave Miami	FL	33172	8" to 27"	112,886									
105	MDWASD 60" Pipe & Repair	\$119,000.00	Closed	MDWASD	1997	Steve Lacey		4290 S.W. 11th St. Coral Gables	FL	33146	8" to 27"	1,600									
102	MDWASD 60" Pipe & Repair	\$16,800.00	Closed	Lantana	1997	Henry Glavin		8601 SW 11th 1 #202 North Palm Beach	FL	33408	8" to 27"	245									
101	MDWASD Contract #S-442		Closed	MDWASD	1997				FL	33408	8" to 27"	245									
106	Polk County	\$87,750.00	Closed	Polk County	1999	Iris Hill		4177 Ben Duranance Rd Bartow	FL	33830	8" to 27"	135									
99C	Bayal City Storm Drain Lining Bid #1-1-97-09-24		Closed	Broward County	1999				FL	33408	8" to 27"	135									
99B	Bayal City Hillside canal CIPP Bid #1-1-97-09-24		Closed	Broward County	1999				FL	33408	8" to 27"	135									
99A	Bayal City Poff 5191 E Bid #1-1-97-09-24		Closed	Broward County	1999				FL	33408	8" to 27"	135									
99	Bayal City Bid #1-1-97-09-24	\$1,449,600.00	Closed	Broward County	1999	Carl Archie		1115 S Andrews #231 Ft. Lauderdale	FL	33301	8" to 27"	520									
98	Town Of South Palm Beach	\$7,602.00	Closed	Town of South Palm Beach	1997	James Bousser		951 Old Shalaby Rd #4 West Palm Beach	FL	33401	8" to 27"	700									
97	City Of Atlantis West Palm Beach Bos Project #98-10-10-7	\$51,840.00	Closed	Atlantis	1997	Henry Glavin		8601 SW 11th 1 #202 North Palm Beach	FL	33408	8" to 27"	844									
96	City Of North Miami	\$138,000.00	Closed	North Miami	1997	Jack Strain		771 NE 125 S North Miami	FL	33281	30"	1529									
95	City Of Riviera Beach Project #70-06-06 Boca Raton Pigback	\$56,592.00	Closed	Riviera Beach	1997	Mike Williams		PO Box 757 Riviera Beach	FL	33419	8" to 27"	179									
94	City Of Hollywood City Project #96-7033/1/Lezen & Sawyer Proj. #8212	\$1,181,547.15	Closed	Hollywood	1997	Wayne Zelenowski		201 N Andrews Ave #300 Ft. Lauderdale	FL	33311	8" to 27"	5050									
93	Oakland Park Project #Ww 97-61	\$404,000.00	Closed	Oakland Park	1997	Wayne Zelenowski		505 St Louis St Tampa	FL	33607	8" to 27"	8800									
92	City Of Tampa Division C2A	\$14,956.00	Closed	Tampa	1997	Tim Barquin		100 N Andrews Ave Ft. Lauderdale	FL	33301	8" to 27"	1561									
91	City Of Fort Lauderdale Bid #682-7771	\$84,200.00	Closed	Fort Lauderdale	1997	Joe Chin		7302 Sample Rd #209 Coral Springs	FL	33065	48"	1800									
90	City Of Fort Lauderdale Bid #682-7771	\$160,000.00	Closed	Fort Lauderdale	1997	Joe Chin		201 W Palmto Park Rd Boca Raton	FL	33452	8" to 27"	6097									
89	City Of Boca Raton Project #98-03-19 Sanitary Sewer Rehabilitation As Needed	\$250,000.00	Closed	Boca Raton	1997	Wayne Zelenowski		1302 St Louis St Tampa	FL	33607	8" to 27"	5580									
88	City Of Tampa City Project #17-07	\$252,270.00	Closed	Tampa	1997	Wayne Zelenowski		201 N Andrews Ave Ft. Lauderdale	FL	33311	8" to 27"	1800									
87	Williams, Hatfield & S. City Of Fort Lauderdale	\$111,613.50	Closed	Fort Lauderdale	1997	Wayne Zelenowski		800 Breckell Ave Miami	FL	33131	30"	349									
86	City Of Fort Lauderdale Project #95-5356 Las Olas Boulevard	\$206,000.00	Closed	Fort Lauderdale	1997	Robert Verkyk			FL	33131	8" to 27"	2077									
85	GH Construction Corporation	\$62,202.00	Closed	GH Construction Corporation	1997				FL	33131	8" to 27"	349									
84	City Of Hollywood Project #14-0	\$50,282.00	Closed	Hollywood	1997				FL	33131	8" to 27"	349									
97117	White Lake Sanitary Rehab		Closed	Oakland County	1997				MI		30"	1085									
97116	White Lake Sanitary Rehab		Closed	Oakland County	1997				MI		30"	1085									
97115	1997 CIPP And Mainline Contract		Closed	Fort Lauderdale	1997				FL	33166	8" to 27"	12353									
97114	Rehab Sanitary Mainline Contract		Closed	Fort Lauderdale	1997				FL	33166	8" to 27"	12353									
97113	Rehab CIPP Combined Sewer		Closed	Clanton Township	1997				MI		8" to 27"	3480									
97112	36" Trunk Sanitary Rehab		Closed	Northville	1997				MI		8" to 27"	700									
97111	36" Trunk Sanitary Rehab		Closed	Ann Arbor	1997				MI		8" to 27"	2165									
97110	36" Trunk Sanitary Rehab		Closed	Ann Arbor	1997				MI		36"	540									
97109	Warren Rehab VCP Sewer Project		Closed	Warren	1997				MI		8" to 27"	7985									
82	Site Assessments Sanitary Sewer Rehab Miami Int'l. Airport DCAD C	\$915,946.00	Closed	Miami Int'l. Airport	1997	Joe Chin		8390 NW 55 St Miami	FL	33166	8" to 27"	1800									
81	City Of St. Petersburg 36" Sanitary Sewer Rehabilitation	\$235,000.00	Closed	St. Petersburg	1996				FL	33166	8" to 27"	9240									
80	Palm Beach City Project #S8906/Midway Trail FDOT Proj No. E4988-95	\$67,875.00	Closed	St. Petersburg	1996	Thomas Reiner		7600 NW 69 Ave Medley	FL	33166	8" to 27"	1100									
79	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
78	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
77	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
76	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
75	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
74	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
73	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
72	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
71	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
70	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
69	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
68	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
67	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
66	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
65	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
64	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
63	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
62	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
61	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
60	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
59	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
58	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
57	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
56	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
55	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
54	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
53	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
52	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
51	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
50	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
49	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
48	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
47	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
46	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									
45	City Of Fort Lauderdale C-2P Rehabilitation	\$53,280.00	Closed	Fort Lauderdale	1996				FL	33166	8" to 27"	1100									

Lanzo Trenchless Technologies Completed Projects

Lanzo Job #	Project Name	Contract Amt	Active or Closed	Owner	Year	Contact	Tel. Number	Address	State	Zip	Pipe Dia	Liner Footage	MH Rehab	Circular	Force Main	Water Pressure	Sanitary	Gravity	Drainage	Air System
44	City Of Pompano Beach Contract #1164-65	\$122,418.00	Closed	Pompano Beach	1995				FL			0								
43	Gunnetti Construction C-14* Part liner Hollywood, Florida	\$363,967.00	Closed	Hollywood	1995				FL			0								
42	City Of West Palm Beach Proj No. 95-971J	\$220,240.00	Closed	West Palm Beach	1995				FL		8" to 27"	4200								
41	S.I. Nicolas Inc North Shore Improvements District 1	\$809,100.00	Closed	S.I. Nicolas Inc	1995				FL		8" to 27"	4800								
40	City Of Boca Raton Foremain Rehab On Powerline Road	\$463,000.00	Closed	Boca Raton	1995				FL		8" to 27"	4900								
39	MDWASD Pw#8 11706	\$5,791,450.00	Closed	MDWASD	1995				FL		8" to 27"	77000								
38	MDWASD Contract S-611 Annual	\$611,000.00	Closed	MDWASD	1995				FL		30" to 36"	2400								
37	City Of Grand Rapids	\$18,000.00	Closed	Grand Rapids	1995				MI			0								
36	Stone & Webster Engineering Corp	\$273,000.00	Closed	Miami	1996				FL		78"	85								
35	MDWASD Pw#5 008896	\$636,000.00	Closed	MDWASD	1995				FL		36"	2500								
34	Biscayne Inceptor	\$870,000.00	Closed	MDWASD	1995				FL		72"	620								
33	MDWASD - Ingramma Treatment Plant	\$57,703.00	Closed	MDWASD	1995				FL		36"	1220								
32	City Of Deerfield Beach Rehab	\$86,864.00	Closed	Deerfield Beach	1995				FL		36"	985								
31	City Of St. Petersburg Emergency	\$91,000.00	Closed	St. Petersburg	1995				FL		36"	1200								
30	City Of Stuart VCP Sanitary Collection Trunk Rehabilitation	\$426,000.00	Closed	Stuart	1995				FL		36"	2200								
29	City Of Tampa 42nd Street Inceptor	\$198,000.00	Closed	Tampa	1995				FL		36"	2200								
28	City Of Boca Raton	\$385,000.00	Closed	Boca Raton	1995				FL		36"	2200								
27	MDWASD - Black Point Treatment Plant Rehab	\$321,100.00	Closed	MDWASD	1994				FL		48"	465								
26	AC Deleo Industrial Sewer	\$332,000.00	Closed	AC Deleo Industrial	1994				FL		36"	420								
25	FDOT Seminole County #77120-3515	\$97,100.00	Closed	FDOT	1994				FL		36"	420								
24	City Of St. Petersburg Emergency	\$1,626,000.00	Closed	St. Petersburg	1994				FL		36"	1658								
23	MDWASD S-407 Annual Sewer Rehab	\$122,464.00	Closed	MDWASD	1994				FL		36"	600								
22	City Of Hialeah Sewer Rehab & Bypass	\$9,520.00	Closed	Hialeah	1994				FL		36"	3200								
21	Community Asphalt	\$151,482.00	Closed	Fort Lauderdale	1994				FL		36"	1466								
20	City Of Fort Lauderdale Sewer & Drainage Outfall Pipe Throughout City	\$13,999.00	Closed	Fort Lauderdale	1994				FL		36"	3400								
19	Miami Dade Community College Sewer Rehab	\$146,450.00	Closed	Miami Dade Community College	1994				FL		36"	2280								
18	City Of Oakland Park Sewer Rehab	\$5,956.00	Closed	Oakland Park	1994				FL		36"	2280								
17	Community Asphalt	\$47,482.00	Closed	Fort Lauderdale	1994				FL		36"	1840								
16	City Of Fort Lauderdale Drainage & Sewer Restoration	\$59,900.00	Closed	Fort Lauderdale	1994				FL		36"	1840								
15	Highland Beach Ocean Blvd Rehabilitation	\$235,000.00	Closed	Highland Beach	1994				FL		36"	1840								
14	City Of St. Petersburg 36"	\$318,220.00	Closed	St. Petersburg	1994				FL		36"	1840								
13	City Of Clearwater Sanitary Sewer Rehab & Storm Restoration	\$22,000.00	Closed	Clearwater	1994				FL		36"	4750								
12	Golden Eagle FDOT Duffling Contract	\$140,698.00	Closed	FDOT	1994				FL		36"	980								
11	Bovnton Beach Boulevard Circa 1927 Clay Tile Pipe Rehab	\$43,000.00	Closed	FDOT	1994				FL		36"	2400								
10	FDOT - Lee County	\$143,731.00	Closed	FDOT	1994				FL		36"	1134								
9	Hunters Run-City Of Bovnton Beach	\$84,105.00	Closed	Bovnton Beach	1993				FL		36"	1065								
8	City Of Boca Raton	\$398,750.00	Closed	Boca Raton	1993				FL		36"	2700								
7	LS E14 & E15	\$95,320.00	Closed	MDWASD	1993				FL		36"	525								
6	Interama Treatment Plant Rehab	\$280,000.00	Closed	MDWASD	1993				FL		36"	2900								
5	City Of West Palm Beach 92/93-53	\$2,498,883.00	Closed	West Palm Beach	1993				FL		36"	5600								
4	MDWASD N. Miami Beach Clay Pipe Subdivision Collection	\$63,999.00	Closed	MDWASD	1993				FL		36"	1000								
2	Sunny Isles 181 Concrete Sewer Main		Closed	Sunny Isles	1993				FL		36"	460								
1	US2 From Bovnton Beach Blvd - Hypoluxo Road		Closed	Bovnton Beach	1993				FL		30"									

LANZO TRENCHLESS TECHNOLOGIES EQUIPMENT LIST

Unit	MAKE	MODEL	DESCRIPTION	SERIAL #
	VEHICLE			
001	LINCOLN	NAVIGATOR	LINCOLN NAVIGATOR	5LMJJ2H57AEJ02843
003	PORSCHE	CAYENNE GTS	PORSCHE CAYENNE GTS	WP1AD2A29DLA74993
004	INFINITI	FX35	INFINITI FX35	JNRAS08U98X105208
005	FORD	EXPLORER	FORD EXPLORER	1FMYU60EX2UB24533
007	FORD	EXPEDITION	FORD EXPEDITION	1FMPU15L33LA53303
008	FORD	EXPEDITION	FORD EXPEDITION	1FMRU15W33LA22233
009	FORD	CRWN VICTORIA	FORD CROWN VICTORIA	2FAFP74VX7X106266
010	FORD	EXPEDITION	FORD EXPEDITION	1FMRU15W04LA04175
014	FORD	EXPEDITION	FORD EXPEDITION	1FMFU175X8LA20252
106	FORD	F250	FORD F-250	1FTNX20F3XEE44732
109	FORD	F250 SUPER CAB	FORD F-250 SUPERCAB	1FTNX21P54ED43680
111	FORD	F250 SUPER CAB	FORD F250 SUPERCAB	1FTSX20P87EA17543
113	FORD	F-250 XLT	F-250 XLT, SUPERCAB	1FTNX21F1YEC57232
115	GMC	SIERRA CREW	GMC SIERRA CREW 4X4	1GT121C89CF221815
117	FORD	ESCAPE	FORD ESCAPE	1FMCU0GX2DUA46444
137	FORD	F250	FORD F-250	1FTSX20RX8ED03395
141	FORD	F-350	FORD F-350	1FTWX31R28EA51258
	PRE AND POST EQUIPMENT			
209	INTERNATIONAL	7500 SBA 6X4	VACTOR 2115-824 PLUS (VAC S/N 10-03V-12092)	1HTWNAZT3AJ190342
215	FORD	F550	F-550 CHASSIS ARIES TV	1FDAF56F21EB80514
216	FORD	F550	F-550 CHASSIS ARIES TV	1FDAF56F51EB80538
218	FREIGHTLINER	F3CC170 SPRINTER	FREIGHTLINER TV/CUTTER VAN	WDPPF4CC6C9520609
219	FORD	LT 9501	1998 FORD / VAC-CON	1FDYN80E7WVVA07744
227	AEROCAP	HI-CUBE	T V HI-CUBE TV / CUTTER TRUCK	1FDXE45S72HA53473
225	FORD	E350	T V HIGHTOP CARGO VAN	1FTSS34P25HA21050
241	FORD	F550	F-550 CHASSIS ARIES TV	1FDAF56P46ED91584
243	FORD	F550	F-550 CHASSIS ARIES TV	1FDAF56P27EB06978
245	FORD	F350	F-350 CHASSIS ARIES TV	1FTJS34FXSHA80331
251	VACTOR	7600	VACTOR-7600 SFA 6X4 (VACTOR S/N 08-07V-11295)	1HTWXSBT99J086217
253	VACTOR	7600	VACTOR-7600 SFA 6X4 (VACTOR S/N 08-07V-11300)	1HTWXSBT09J086218
302	CARGO EXPRESS		CARGO EXPRESS CUTTER TRAILER	ICE09614119960098
302M	INTERSTATE		INTERSTATE TRAILER - BEAVER CUTTER	1UK500F20T1019012
303	OBRIEN	700JP	JET TRAILER WITH SULLAIR AIR COMPRESSOR	4H5W31729SL952004
304	CARGO EXPRESS		CUTTING TRAILER-SULLAIR AIR COMPRESSOR	1CE03714T19962464
305	SRECO	MD HV 1800	JET TRAILER WITH SULLAIR AIR COMPRESSOR	99644817296041080
306	ARIES		LARGE SEWER TRANSPORTER	YT02012204
339	GORMANRUPP	PA4A60-4045DSH	TRAILER MOUNTED 4" TRASH PUMP	1284077
341	GORMANRUPP	PA6D60-4045D/S1	TRAILER MOUNTED 6" TRASH PUMP	1272990
706	ENZ	EU10200RS	ROTATING CHAIN CUTTER 8"-16" PIPES	10.200R
707	ENZ	EU10200RS	ROTATING CHAIN CUTTER 8"-16" PIPES	
708			CHAIN CUTTER 16"	
709	ENZ		CHAIN CUTTER	10.400R
710	TURBO II	CHAIN CUTTER	FLEXIBLE 6" - 12" CHAIN CUTTER	P/N 1-0403
711	SUPER CUTTER	PLUS 200	SUPER CUTTER PLUS 200 CHAIN CUTTER	200151-C
712	BEAVER	B-165	CUTTER	BDO 8206
713	BEAVER	B-165	CUTTER	BDO 8106
719	BEAVER	B-165	CUTTER	BF 09311
720	BEAVER	B112 MINI	CUTTER	MF 02811
722	BOWMAN	DOMINATOR 4-30	BOWMAN DOMINATOR 4-30 CUTTER	CD-1-06-06-0-0-4 PENN
723	CUES		CAMERA (PAN & TILT)	069
724	CUES		CAMERA (STRAIGHTLINE)	070
725	CUES		CAMERA (PAN & TILT)	078
726	CUES		CAMERA (PAN & TILT)	010
727	LETS		LATERAL CAMERA	04101801
729	ARIES	PE-2600	COLOR PAN & TILT CAMERA	05091101
731	ARIES	PE-2600	COLOR PAN & TILT CAMERA	05091101
732	FLOW-TEK	LJ300C	8"21" LUMBERJACK 300 SERIES	
733	NOZZTEQ	LJ300C	8"21" LUMBERJACK 300 SERIES	
735	RIDGID	KD200	MINI SEE SNAKE	STOLEN
737	ARIES	SEEKER	SELF LEVELING CAMERA W/200' PUSH ROD	SK3200
739	RIDGID	KD200	SELF LEVEL SEESNAKE REEL W/ INTERCONNECT CORD	744-003-201-0G-17
775			RIDGID 23717 DRAIN CLEANER	MOD # 23717
776	BEAVER	B-165	CUTTER	
777	BEAVER	B-165	CUTTER	
910	PROSCOUT		COLOR CAMERA	03021801
911	HONDA	WB20X/WB30X	HONDA 2" WATER PUMP	1259219
921	THOMPSON PUMP		4-INCH THOMPSON PUMP / TRAILER MTD.	NOVINO200076813
922	THOMPSON PUMP		6-INCH THOMPSON VAC-ASST PUMP	TPM41011J1566V393
929	PERFORMANCE		6" TRASH PUMP (RED) (SERIAL #96103)	T04039D5580294039
930			4" TRASH PUMP	33606
931			4" TRASH PUMP	28525
932			4" TRASH PUMP	36991
933			PARTNER K-700 CUT OFF SAW	023400291
935	HONDA	WT40X	4" TRASH PUMP (HONDA)	WT40XK2 GX340K1
936	MULTIQUIP	QP3TH	3" TRASH PUMP (HONDA)	3TH-5255
937	MULTIQUIP	QP3TH	3" TRASH PUMP (HONDA)	3TH-5212
938	MULTIQUIP	QP4TH	4" TRASH PUMP (HONDA)	4TH-0370
939	MULTIQUIP	QP4TH	4" TRASH PUMP (HONDA)	4TH-0709
941	HONDA	WB20X	2" WATER PUMP (HONDA)	GCAAT-1529760
945	HONDA	WT30X	3" TRASH PUMP (HONDA) IN SVC NOV 2011	1122831
947	HONDA	WT40X	4" TRASH PUMP (HONDA)	1106081
949	MULTIQUIP	QP3TH MQ	3" TRASH PUMP	11899

LANZO TRENCHLESS TECHNOLOGIES EQUIPMENT LIST

Unit	MAKE	MODEL	DESCRIPTION	SERIAL #
951	HONDA	WT40X	4" TRASH PUMP - ATTACHED UNIT 225	
955	HONDA	WT30X	3" TRASH PUMP	1122942
957	TSURUMI	EPT3100HA	4" PUMP	03166
959	HONDA	WB20X	2" WATER PUMP (HONDA) / REPLACES UNIT #941	
963	HONDA	WT40X	4" TRASH PUMP	1114990
965	HONDA	WT40X	4" TRASH PUMP	1114993
967	HONDA	WT40X	4" TRASH PUMP	1111579
969	HONDA	WT40X	4" TRASH PUMP	1111670
971	GORMAN R	14C1-GX30	4" GAS TRASH PUMP	1482897
973	GORMAN RUPP	PA4A60-4045DSH	4" DIESEL SELF-PRIME PUMP	1284077
975	BROWNIES		THIRD LUNG-C260X	
979	MULTIQUIP	QP3TH	4" TRASH PUMP (HONDA)	3TH-8710
1035-C	FRENCH CREEK	MW50G	WORK WINCH	19077
1051	TSURUMI	GOMAR	4" TRASH PUMP - P.K.12	1017682
1053	TSURUMI	GCARK	3" TRASH PUMP - WKT2	1005083
1055	TSURUMI	GCO1	2" TRASH PUMP - TE250HA WKTZ	4357811
1057	TITAN		3" TRASH PUMP ON WHEELS	196L55/43550P
1059	HONDA	WB20X	2" CENTRIFUGAL PUMP - HONDA GX120	WABT-1650759
INSTALLATION EQUIPMENT				
206	INTERNATIONAL	4900	INTL 4900 BOILER TRUCK	1HTSDAAN4RH575166
207	INTERNATIONAL	4900	INTL 4900 BOILER TRUCK	1HTSDAAN4RH577158
211	INTERNATIONAL	4700	INTL FLATBED BOILER	1HTSCAAN2VH496110
212	INTERNATIONAL	4700	INTL FLATBED BOILER	1HTSCAAN4VH496111
221	INTERNATIONAL	4700	INTL 4700 REFRIGERATOR TRUCK	1HTSCNDNXMH320973
222	INTERNATIONAL	4700	INTL 4700 REFRIGERATOR TRUCK	1HTSCNDN8MH320972
223	INTERNATIONAL	4700	INTL 4700 REFRIGERATOR TRUCK	1HTSCNDPXMH338178
237	INTERNATIONAL	4900	22' REEFER TRUCK TOOL TRUCK	1HTSDAAN7VH538043
239	INTERNATIONAL	4900	22' REEFER TRUCK TOOL TRUCK	1HTSDAAN4VH538047
246	INTERNATIONAL	7400 6X4	RS CITYLINER TYPE 800	1HTWGAZR5BJ356392
247	FORD	S-DTY F-750	RUSH STEAM UNIT	3FRXF75H78V644136
249	RUSH	F-750 / RSU 000	RUSH STEAM UNIT	3FRXF75H58V644135
300	SEWER EQUIP. CO		GATE EASEMENT MACHINE	5FLRP12173B145145
300T	TRIPLE CROWN	5X10 UTILITY TRAILER	5X10 UTILITY TRAILER 3K GVW	1NXU5X10551010395
301	GLOBE		TRAILER 48' W/ DOUBLE BOILERS	44RF03522SF000244
307	PACE		LATERAL LINING TRAILER	4FPAB20215G092594
307G	HONDA	GX340	HONDA 5000W TRAILER MOUNTED GENERATOR	1034389
308	HOTKICK	OM-148	HEATER UNIT LATERAL LINING	01470
309	HOTKICK	OM-148	HEATER UNIT LATERAL LINING	01493
310	MAX LINER		LINER GUN LATERAL LINING	LG001001
311	SOEHNLE		SOEHNLE DIGITAL SCALE LATERAL LINING	7755
312			VACUUM PUMP LATERAL LINING	LG000043
313			HAND CALIBRATION ROLLER LATERAL LINING	KR000001
315	PACE AMERICAN	SL816TA2	TOP HAT TRAILER 16'	4FPAB16286G104419
317	BLACKROCK	TRAILER	BLACKROCK UTILITY TRAILER 8000HD	2SWUW11A96S044474
319	INGERSOLL	P185WIR	INGERSOLL AIR COMPRESSOR	343329/NOVIN0200661278
321	O'BRIEN	JET TRAILER	O'BRIEN JET TRAILER	1Z93PJ2E8YL119086
323	EATON	24" SHOOTER	TRAILER MOUNTED - SHOOTER	1E9BS12147W267079
325	SRECO	350 JET TRAILER	MODEL 350 TRAILER JET - 300 GALLON	2374 (CHASSIS VIN#2435)
327	GREAT DANE		DROP DECK TRAILER	43611
327A	RITE	750-WO	RITE WATER HEATING BOILER BOX	26868
327B	RITE	750-WO	RITE WATER HEATING BOILER BOX	26887
333	ROYAL CARGO	RSTCH 8.5X20TA3	ROYAL CARGO TRAILER	5LABE202X6M012980
335	SULLAIR	210HDPQ	SULLAIR 210HDPQ AIR COMPRESSOR	152104
337	SULLAIR	210HDPQ	SULLAIR 210HDPQ AIR COMPRESSOR	152096
350			45' REFRIGERATED TRAILER	1GRBE8625CB080301
353			48' REFRIGERATED TRAILER-WHITE	IDTV61222NA206931
354	COPCO		FLATBED TRAILER 45' X 96"	15389
355	SECA		EASEMENT TRAILER	6524
359	UTILITY	ALUM 48/162/102	48' INSULATED REEFER TRAILER	1UYVS24814M232702
401	WACKER	BS 50-2	JUMPING JACK / VIBRATORY RAMMER	5707172 / 5442964
585	TAYLOR	TE155S	TAYLOR FORKLIFT TE155S	S-B5-21221
587	TAYLOR	THD610	TAYLOR FORKLIFT THD610	29911
589	NISSAN	CFU50LP	NISSAN FORKLIFT	CU1F2-9Q0942
640	CAT		CAT 938 F WHEEL LOADER W/GP BUCKET	1KM01745
810	HOMEMADE	PINCH ROLLERS	OVER-THE-HOLE ROLLER & CONVEYOR	
811	BECKER	KVT-2140	BECKER VACUUM PUMP KVT-2140	E1373878
812	BECKER	KVT-2140	BECKER VACUUM PUMP KVT-3140	D1731886
813	BECKER	KVT-2140	BECKER VACUUM PUMP KVT-3140	B1562351
814	BECKER	KVT-2140	BECKER VACUUM PUMP KVT-3140	
815	BECKER	KVT-2140	BECKER VACUUM PUMP KVT-3140	
829	INGERSOLL RAND	PD20A-AAP-STT	2" DIAPHRAGM VACUUM PUMP - 3/4 HP MOTOR	HO316 417
901			80 IR 100 AIR COMPRESSOR	107842
902			P100WD IR AIR COMPRESSOR	260020UJG245
903			96 100CFMIR AIR COMPRESSOR	263500UB245
904			SULLAIR 185 DPG AIR COMPRESSOR	004-124324
905			SULLAIR 185 DPG AIR COMPRESSOR	004-124331
907	SULLAIR	185 DPQ	SULLAIR 185 DPG AIR COMPRESSOR	200705160129
909	SULLAIR	185 DPQ	SULLAIR 185 DPG AIR COMPRESSOR	200705160126
913	ROL-AIR	7722HK28	8HP GAS COMPRESSOR (HONDA) W/REGULATOR	07071549
915	GENERAL	GPS	BLOWER - GP8	H30671
919	ALLEGRO	9504	MANHOLE BLOWER (ELECTRIC MOTOR)	1899
923	ALLEGRO	9504	MANHOLE BLOWER (ELECTRIC MOTOR)	1898
925	GENERAL	GP8	MANHOLE BLOWER (BRIGGS & STRATTEN ENGINE)	050830YA

LANZO TRENCHLESS TECHNOLOGIES EQUIPMENT LIST

Unit	MAKE	MODEL	DESCRIPTION	SERIAL #
927	ALLEGRO		ALLEGRO MANHOLE BLOWER 9505	56282
928	GENERAL	GP8H	MANHOLE BLOWER (HONDA ENGINE)	33832
953	KUBOTA	SEP-21.0	INDUSTRIAL GENERATOR - ATTACHED TO U#212	0235531/002
961	HONDA	EB5000X	HONDA GENERATOR	GC05-3872817
976			ALUMINUM SHOOTER FOR CIPP	
977	POWER PRO	3500	GENERATOR - 3500	ENG #HY168FB/B2017299
981	POWER PRO	3500	GENERATOR - 3500	ENG #HY168FB/B2017370
983	HONDA	EM2500	GENERATOR - (HONDA)	ENG #GC02-5669839
985	STIHL	MS200T	14" CHAIN SAW	164677109
987	SCHONSTEDT	GA-5Z-CX	METAL DETECTOR - REBAR LOCATOR	235068
989	STIHL	TS400	CUT OFF SAW	166644774
991	STIHL	TS-400	CUT OFF SAW	166477798
993	MSA	SOLARIS	MULTIGAS DETECTOR (P/N10047226)	A5-76789
995	MSA	SOLARIS	MULTIGAS DETECTOR (P/N10047226)	A5-76788
997	MSA	SOLARIS	MULTIGAS DETECTOR (P/N10047226)	A5-74599
999	MSA	SOLARIS	MULTIGAS DETECTOR (P/N10047226)	A5-45079
1001	MSA	SOLARIS	MULTIGAS DETECTOR (P/N10047226)	A5-45083
1003	STIHL	TS420	TS420 STIHL SAW	168695551
1005		PPT265	26CC POWER PRUNER/POLE SAW	11006153
1007	STIHL	TS420	14" CUTQUIK SAW	168392018C
1011	RKI	GX-2001 (N)	MULTIGAS DETECTOR (RED)	8X3020450
1013	RKI	GX-2001 (N)	MULTIGAS DETECTOR (RED)	9Y4020012
1015	STIHL	TS420	14" CUTQUIK SAW	172827124
1021	MSA	ALTAIR 4X	ALTAIR 4X MULTIGAS DETECTOR	
1023	MSA	ALTAIR 4X	ALTAIR 4X MULTIGAS DETECTOR	138298
1025	MSA	ALTAIR 4X	ALTAIR 4X MULTIGAS DETECTOR	138299



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/26/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Guy Hurley Blaser and Heuer, LLC 1080 Kirts Blvd., Suite 500 Troy MI 48084		CONTACT NAME: Donna Griffiths PHONE (A/C, No. Ext): (248) 519-1439 FAX (A/C, No): (248) 519-1401 E-MAIL ADDRESS: dgriffiths@ghbh.com	
INSURED Lanzo Lining Services, Inc. Attention: Kevin Pawlowski 1 Stainless Plaza, 125 S.E. 5th Court Deerfield Beach FL 33441		INSURER(S) AFFORDING COVERAGE INSURER A: Amerisure Mutual Ins. Co. NAIC # 22396 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 13-14 Master

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU Coverage Included GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			CPP2081136	12/31/2013	12/31/2014	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			CA2080594	12/31/2013	12/31/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined \$
	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			CU2080595	12/31/2013	12/31/2014	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC2080596	12/31/2013	12/31/2014	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Inland Marine			CPP2081136	12/31/2013	12/31/2014	Leased/Rented Equipment \$640,000 Deductible \$1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

Evidence Of Coverage

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Paul Hurley/TOPIE

CONFORMED DOCUMENTS

FOR

Gravity Sewer System Condition Assessment and Renewal and Replacement
(Inflow/Infiltration – I/I) Program Level 2)

2600 Hollywood Boulevard
Hollywood, FL 33020

ORIGINAL

PROJECT NO.: 14-7072

SUBMITTED BY: Ric-Man Construction Florida, Inc.

AUGUST 2014

ORIGINAL