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REPLY TO CENTRAL FLORIDA OFFICE

January 15, 2009

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RECEIVED-FPSC  
09 JAN 15 AM 10:42  
COMMISSION  
CLERK

Ann Cole, Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399

RE: Docket No. 080248-SU; Tierra Verde Utilities, Inc.'s Application for an Increase in Wastewater Rates Increase in Pinellas County, Florida  
Our File No.: 30057.156

Dear Ms. Cole:

Enclosed for filing in the above-referenced docket is information and supporting documentation responsive to Staff's December 8, 2008 request for additional information, Item No. 3. This contract was not available at the time of filing.

3. With regard to the "TV Sewer Mains" maintenance project reflected on MFR Schedule B-10, Line 1, please provide the following:
  - a. a detailed statement why this project is necessary;
  - b. a copy of any report or other documentation completed which reflect the findings or results from this project;
  - c. a copy of all support documentation, including but not limited to, invoices, contracts, estimate quotes, assumptions, workpapers, bases, and/or other documentation for the actual cost incurred from the commencement of the project to date and for the budgeted unamortized amount of \$76,452; and
  - d. state the primary operation and maintenance (O&M) expense account name and number that the Utility used to record this project in the 2007 test year, and, if more than one O&M

DOCUMENT NUMBER-DATE

00394 JAN 15 09

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expense account has been used to record this project, please provide a detail breakdown by amount and account of how the Utility is recording this project in the test year.

**RESPONSE:**

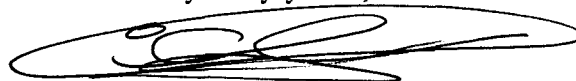
3(a) The "TV Sewer Mains" project reflects the effort to clean and video inspect two portions of the Tierra Verde collection system. The gravity main and manholes situated in the Pinellas Bayway right-of-way and the area west of the Pinellas Bayway along and adjacent to Madonna Avenue had not been cleaned and inspected for many years. A total of 6,229 LF of 18" diameter pipe was cleaned and inspected along the Pinellas Bayway. A total of 21,250 LF of 8" diameter pipe and manholes were inspected west of the Pinellas Bayway along Madonna Avenue. The project is justified for the following reasons:

- The Tierra Verde system is located on an island. As such, the groundwater table throughout the community is influenced by actions of the tide, rising twice a day. This causes head conditions to rise twice a day and thus provides additional hydraulic pressure on the underground piping system. As hydraulic pressure increases, more groundwater is forced into the collection system through deficient pipes or manholes.
- The majority of the pipe in the collection system is made of vitreous clay pipe that historically has been more prone to leaks and pipe failures resulting in increased groundwater infiltration through those leaks.
- The wastewater generated by the customers of Tierra Verde is treated by the City of St. Petersburg under a bulk sewer agreement. Since the City bills Tierra Verde Utilities, Inc. on a volumetric basis, any groundwater that flows through the City's flow meter adds to the cost of treatment.
- In order to identify the location and severity of pipe deficiencies in the collection system, it was necessary to remove the accumulated solids in the piping system, and then remotely inspect the condition of the pipes.
- After identifying the pipe and manhole deficiencies, a separate capital project was initiated to correct the deficiencies resulting in a reduction in groundwater infiltration. By this effort, the amount of wastewater delivered to the City of St. Petersburg for treatment was reduced. This resulted in a reduction in operating expense that is reflected in the test year financials.

- 3(b) A copy of each of the two video inspection reports is attached hereto.
- 3(c) Please see the documentation, attached hereto, for project 061-0646-118-03-01. The Company could not locate \$7,850 of supporting documentation, so the total project cost now amounts to \$68,601.65. The Company is also providing the deferred maintenance workpapers from 2004, 2005, 2006, and 2007 through November, as well as all of 2007 in the JD Edwards system. These workpapers show the amortization of the project cost of \$76,451.65 over five years, but since the project totals only \$68,601.65, the monthly amortization should be \$1,143.36, and the total 2007 amortization expense should have been \$13,720.32. Specifically, included in the documentation attached hereto are copies of invoices generated by Altair for their work on Pinellas Bayway and from Florida Jet Clean for the line cleaning work. Also attached hereto are copies of the signed contracts for each of the two phases of the project as well as copies of the inspection reports provided by Altair and Florida Jet Clean at the completion of their work.
- 3(d) In the legacy system, GLAP, the project was recorded in account 1862054 - Deferred Charges - TV Sewer Mains, and the amortization expense was recorded in account 6759080 - Maintenance - Deferred Charges. In the current system JDE, the project was recorded in account 3030 - Deferred Charges - TV Sewer Mains, and 6355 - Deferred Maintenance Expense.

Should you or the Staff have any questions regarding this filing, please do not hesitate to give me a call.

Very truly yours,



CHRISTIAN W. MARCELLI  
Of Counsel

CWM/tlc  
Enclosures

cc: John P. Hoy, Chief Regulatory Officer (w/o enclosures)  
Patrick C. Flynn, Regional Director (w/o enclosures)  
Ms. Deborah Swain (w/o enclosures)  
Mr. Frank Seidman (w/o enclosures)  
Mr. Dale Buys, Division of Economic Regulation (w/encs.) (via hand delivery)  
Keino Young, Esq., Office of General Counsel (w/enclosures) (via hand delivery)

M:\1 ALTAMONTE\UTILITIES INC\TERRA VERDE\(.156) 2008 RATE CASE\PSC Clerk 08 (Supplemental Response to Data Request 1).ltr.doc

# ***Manhole Investigation***

DOCUMENT NUMBER-DATE  
00394 JAN 15 8  
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ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY MANHOLE LISTING**  
**Manhole Number Corresponds to Lot Number**

	Manhole ID Number	Manhole Number	MH Grade	Grade Amt.(in.)	Location
1	9-000-00A-00003-00	3	Above	2	Monte Cristo Blvd. and 4th Street West
2	9-000-00A-00040-00	40	At	0	8th Avenue North and 4th Street West
3	9-000-0BW-00001-00	1	At	0	340 Pinellas Bayway, in sidewalk
4	9-000-0BW-00002-00	2	At	0	360 Pinellas Bayway, in driveway
5	9-000-0BW-00003-00	3	At	0	380 Pinellas Bayway, in sidewalk
6	9-000-0BW-00004-00	4	At	0	522 Pinellas Bayway, in sidewalk
7	9-000-0BW-00005-00	5	At	0	534 Pinellas Bayway, in sidewalk
8	9-000-0BW-00006-00	6	At	0	544 Pinellas Bayway, in driveway
9	9-000-0BW-00007-00	7		0	Can Not Locate
10	9-000-0BW-00007-01	7A	At	0	557 Ciega Verde
11	9-000-0BW-00008-00	8	At	0	Car is parked over manhole.
12	9-000-0BW-00009-00	9	Above	2	722 Pinellas Bayway
13	9-000-0BW-00010-00	10	Above	2	738 Pinellas Bayway
14	9-000-0BW-00011-00	11	At	0	860 Pinellas Bayway, in sidewalk and driveway.
15	9-000-0BW-00012-00	12	At	0	900-918 Pinellas Bayway
16	9-000-0BW-00013-00	13	At	0	936 Pinellas Bayway
17	9-000-0BW-00014-00	14	At	0	1000 Pinellas Bayway, in sidewalk
18	9-000-0BW-00015-00	15	At	0	12th Street West and Pinellas Bayway
19	9-000-0BW-00016-00	16	At	0	1120 Pinellas Bayway, in sidewalk.
20	9-000-0BW-00017-00	17	At	0	Sands Point Drive and Pinellas Bayway, in sidewalk.
21	9-000-0BW-00018-00	18	At	0	Sand Point Drive, in sidewalk
22	9-000-0BW-00019-00	19	At	0	Sands Point Drive and 13th Street
23	9-000-0BW-00020-00	20	At	0	Sand Point Drive
24	9-000-0BW-00021-00	21	At	0	Sand Point Drive
25	9-000-0BW-00557-00	#557	At	0	557 Ciega Verde

DOCUMENT NUMBER-DATE

00394 JAN 15 8

FPSC-COMMISSION CLERK

ClientName: Tierra Verde / Utilities, Inc.

Job Number: 04-006-01



**SANITARY MANHOLE INVESTIGATION REPORT  
REHABILITATION TECHNIQUE SELECTION TABLE**

Manhole ID Number	Manhole Number	Manhole Depth	Manhole Location	Inspection Date	Inflow? (Y/N)	Infiltration Rate (GPM)	Infiltration Rate (GPD)	Rehab #1 (Inflow Protectors)	Rehab #2 (Chemical Grout)	Rehab #3 (Manhole Work)	Rehabilitation Total Cost
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**Mini-System # A**

9-000-00A-00003-00	3	9'2"	Easement	6/18/2004	No			\$0.00	\$0.00	\$4,100.00	\$4,100.00
9-000-00A-00040-00	40	7'3"	Street	6/18/2004	No			\$0.00	\$0.00	\$2,400.00	\$2,400.00
<b>Sub-Totals for Mini-System # A</b>								<b>\$0.00</b>	<b>\$0.00</b>	<b>\$6,500.00</b>	<b>\$6,500.00</b>

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Manhole ID Number	Manhole Number	Manhole Depth	Manhole Location	Inspection Date	Inflow? (Y/N)	Infiltration Rate (GPM)	Infiltration Rate (GPD)	Rehab #1 (Inflow Protectors)	Rehab #2 (Chemical Grout)	Rehab #3 (Manhole Work)	Rehabilitation Total Cost
<b>Mini-System # BW</b>											
9-000-OBW-00001-00	1	5'7"	Easement	6/18/2004	No			\$0.00	\$0.00	\$1,900.00	\$1,900.00
9-000-OBW-00002-00	2	6'3"	Easement	6/18/2004	No			\$0.00	\$0.00	\$2,100.00	\$2,100.00
9-000-OBW-00003-00	3	7'7"	Easement	6/18/2004	No			\$0.00	\$0.00	\$2,500.00	\$2,500.00
9-000-OBW-00004-00	4	6'10"	Easement	6/18/2004	No			\$0.00	\$0.00	\$3,400.00	\$3,400.00
9-000-OBW-00005-00	5	8'9"	Easement	6/18/2004	No			\$0.00	\$0.00	\$0.00	\$0.00
9-000-OBW-00006-00	6	8'	Easement	6/18/2004	No			\$0.00	\$0.00	\$2,600.00	\$2,600.00
9-000-OBW-00007-00	7			6/18/2004				\$0.00	\$0.00	\$0.00	\$0.00
9-000-OBW-00007-01	7A	6'9"	Street	6/18/2004	No			\$0.00	\$0.00	\$0.00	\$0.00
9-000-OBW-00008-00	8			5/18/2004				\$0.00	\$0.00	\$0.00	\$0.00
9-000-OBW-00009-00	9	9'3"	Easement	5/18/2004	No			\$0.00	\$0.00	\$2,300.00	\$2,300.00
9-000-OBW-00010-00	10	9'7"	Easement	6/18/2004	No			\$0.00	\$0.00	\$3,900.00	\$3,900.00
9-000-OBW-00011-00	11	11'1"	Easement	6/18/2004	No			\$0.00	\$0.00	\$4,600.00	\$4,600.00
9-000-OBW-00012-00	12	11'1"	Easement	6/18/2004	No			\$0.00	\$0.00	\$3,600.00	\$3,600.00
9-000-OBW-00013-00	13	11'4"	Easement	6/18/2004	No			\$0.00	\$0.00	\$3,700.00	\$3,700.00
9-000-OBW-00014-00	14	12'7"	Easement	6/18/2004	No			\$0.00	\$0.00	\$4,100.00	\$4,100.00
9-000-OBW-00015-00	15	10'	Street	6/18/2004	No			\$0.00	\$0.00	\$3,300.00	\$3,300.00
9-000-OBW-00016-00	16	13'3"	Easement	6/18/2004	No			\$0.00	\$0.00	\$4,350.00	\$4,350.00
9-000-OBW-00017-00	17	12'6"	Easement	6/18/2004	No			\$0.00	\$0.00	\$0.00	\$0.00
9-000-OBW-00018-00	18	13'5"	Easement	6/18/2004	No			\$0.00	\$0.00	\$0.00	\$0.00
9-000-OBW-00019-00	19	6'6"	Easement	6/18/2004	Yes			\$300.00	\$0.00	\$2,400.00	\$2,700.00
9-000-OBW-00020-00	20	7'3"	Easement	6/18/2004	No			\$0.00	\$0.00	\$2,400.00	\$2,400.00
9-000-OBW-00021-00	21	6'6"	Easement	6/18/2004	No			\$0.00	\$0.00	\$3,200.00	\$3,200.00
9-000-OBW-00557-00	#557	6'9"	Street	6/18/2004	No			\$0.00	\$0.00	\$0.00	\$0.00
<b>Sub-Totals for Mini-System # BW</b>								<b>\$300.00</b>	<b>\$0.00</b>	<b>\$50,350.00</b>	<b>\$50,650.00</b>

**Grand Totals**

**\$300.00      \$0.00      \$56,850.00      \$57,150.00**

ClientName: Tierra Verde / Utilities, Inc.

Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
INFLOW PROTECTOR DIMENSIONS SUMMARY**

Manhole ID Number	Manhole Number	Frame ID (in.)	Frame OD (in.)	Cover OD (in.)	Inflow? (Y/N)	Cover Condition	Frame Condition	Depressed Area? (Y/N)	MH Grade	Grade Amt. (in.)	Inflow Comments
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**Mini-System # A**

1	9-000-00A-00003-00	3	21-1/8	22.75	22.5	No	Loose	Broken	No	Above	2	
2	9-000-00A-00040-00	40	21	23	22.75	No	Good	Sound	No	At	0	



ClientName: Tierra Verde / Utilities, Inc.

Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
INFLOW PROTECTOR DIMENSIONS SUMMARY**

Manhole ID Number	Manhole Number	Frame ID (in.)	Frame OD (in.)	Cover OD (in.)	Inflow? (Y/N)	Cover Condition	Frame Condition	Depressed Area? (Y/N)	MH Grade	Grade Amt.(in.)	Inflow Comments
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**Mini-System # BW**

3	9-000-0BW-00001-00	1	22	23.75	23.75	No	Good	Sound	No	At	0	
4	9-000-0BW-00002-00	2	21.25	22.75	22.75	No	Good	Sound	No	At	0	
5	9-000-0BW-00003-00	3	21.25	22.5	22.5	No	Loose	Loose	No	At	0	
6	9-000-0BW-00004-00	4	21.25	22.25	22-5/8	No	Loose	Loose	No	At	0	
7	9-000-0BW-00005-00	5	21.25	22.5	22.58	No	Loose	Sound	No	At	0	
8	9-000-0BW-00006-00	6	21	22.5	22-3/8	No	Good	Sound	No	At	0	
9	9-000-0BW-00007-00	7									0	
10	9-000-0BW-00007-01	7A	21	23	22.75	No	Good	Sound	No	At	0	
11	9-000-0BW-00008-00	8								At	0	
12	9-000-0BW-00009-00	9	22	22.75	23.75	No	Good	Sound	No	Above	2	
13	9-000-0BW-00010-00	10	21	22-5/8	22-3/8	No	Loose	Loose	No	Above	2	
14	9-000-0BW-00011-00	11	21-1/8	22.75	22.5	No	Loose	Sound	No	At	0	
15	9-000-0BW-00012-00	12	21-1/8	22.75	22.5	No	Loose	Sound	No	At	0	
16	9-000-0BW-00013-00	13	21-1/8	22.75	22.5	No	Loose	Sound	No	At	0	
17	9-000-0BW-00014-00	14	21-1/8	22.75	22.5	No	Loose	Sound	No	At	0	
18	9-000-0BW-00015-00	15	20-3/8	22.75	22.25	No	Good	Sound	No	At	0	
19	9-000-0BW-00016-00	16	21-1/8	22.75	22.5	No	Loose	Sound	No	At	0	
20	9-000-0BW-00017-00	17	21	22-7/8	22.75	No	Good	Sound	No	At	0	
21	9-000-0BW-00018-00	18	21-1/8	22.75	22.5	No	Loose	Loose	No	At	0	
22	9-000-0BW-00019-00	19	21-1/8	22.75	22.5	Yes	Loose	Sound	Yes	At	0	Between Frame and Cover
23	9-000-0BW-00020-00	20	21-1/8	22.75	22.5	No	Loose	Sound	No	At	0	
24	9-000-0BW-00021-00	21	21-1/8	22.75	22.5	No	Good	Sound	No	At	0	
25	9-000-0BW-00557-00	#557	21	23	22.75	No	Good	Sound	No	At	0	

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

**Mini-System # A**

Structure Number	Structure Information			PHYSICAL INSPECTION			Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects				
9-000-00A-00003-00 MH # 3 LS # 0 MS # A Inspection Date 6/18/2004	Depth	9'2"		Walls and Corbel are Medium Deteriorated. Frame is Broken and Rusted.				Line Manhole / Replace Ring and Cover
	Wall Material	Precast	Medium Deterioration					
	Ring/Cover	Cast Iron	Loose					
	Steps?	No	None					
	Corbel	Precast	Medium Deterioration					
	Apron	Concrete	Good					
	Trough	Yes	Good					
	Location	Easement						
		Monte Cristo Blvd. and 4th Street West					GPM	

Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction
MH	Yes	8	VCP	9'2"	No	SW
MH #A-40	No	8	PVC	9'2"	No	NW
MH	No	8	VCP	9'2"	No	NE
MH	No	8	VCP	7'	Inside Drop	SE

Manhole Shape is Round  
Diameter 4 Feet

Special Notes:

Structure Number	Structure Information			PHYSICAL INSPECTION			Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects				
9-000-00A-00040-00 MH # 40 LS # 0 MS # A Inspection Date 6/18/2004	Depth	7'3"		Walls and Corbel are Heavily Deteriorated.				Line Manhole
	Wall Material	Precast	Heavy Deterioration					
	Ring/Cover	Cast Iron	Good					
	Steps?	No	None					
	Corbel	Precast	Heavy Deterioration					
	Apron	Concrete	Good					
	Trough	Yes	Good					
	Location	Street						
		8th Avenue North and 4th Street West					GPM	

Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction
MH #A-3	Yes	8	PVC	7'3"	No	SE
MH	No	8	VCP	5'10"	Inside Drop	SW
SC	No	6	PVC	3'2"	Inside Drop	W
MH	No	8	VCP			NE

Manhole Shape is Round  
Diameter 4 Feet

Special Notes:

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE

Mini-System # BW

Structure Number ID #	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
	Item	Type	Rating	Observations and Defects					
9-000-0BVV-00001-00 MH # 1 LS # 0 MS # BW Inspection Date 6/18/2004	Depth Wall Material Ring/Cover Steps? Corbel Apron Trough Location	5'7" Precast Cast Iron No Precast Concrete Yes Easement	Heavy Deterioration Good None Heavy Deterioration Good Good	Walls and Corbel are Heavily Deteriorated.				GPM	Line Manhole
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-2	Yes	15	VCP	5'7"	No	SW		
	FM	No	10	VCP	5'7"	No	NE		
	SC	No	6	VCP	4'5"	No	NW		
9-000-0BVV-00002-00 MH # 2 LS # 0 MS # BW Inspection Date 6/18/2004	Depth Wall Material Ring/Cover Steps? Corbel Apron Trough Location	6'3" Precast Cast Iron No Brick Concrete Yes Easement	Heavy Deterioration Good None Heavy Deterioration Good Good	Walls and Corbel are Heavily Deteriorated				GPM	Line Manhole
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-3	Yes	15	VCP	6'3"	No	SW		
	MH #BW-1	No	15	VCP	6'3"	No	NE		
	SC	No	6	PVC	5'10"	No	NW		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANTARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00003-00 MH # 3 LS # 0 MS # BW Inspection Date 8/18/2004	Depth	77"	Heavy Deterioration	Walls and Corbel are Heavily Deteriorated				GPM	Line Manhole
	Wall Material	Precast	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	None						
	Corbel	Brick	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	380 Pinellas Bayway, in sidewalk								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-4	Yes	15	VCP	77"	No	SW		
	MH #BW-2	No	15	VCP	77"	No	NE		
	SC	No	8	VCP	65"	No	NW		
Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00004-00 MH # 4 LS # 0 MS # BW Inspection Date 8/18/2004	Depth	6'10"	Heavy Deterioration	Walls, Corbel and Frame are Heavily Deteriorated. Frame is Loose and Rusting.				GPM	Line Manhole / Replace Ring and Cover
	Wall Material	Brick	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	None						
	Corbel	Brick	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	522 Pinellas Bayway, in sidewalk								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-5	Yes	15	VCP	6'10"	No	SW		
	MH #BW-3	No	15	VCP	6'10"	No	NE		
	SC	No	10	VCP	57"	No	NW		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects				Rate (GPM)	
9-000-0BW-00005-00 MH # 5 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	8'9"		Stormwater CIP Pipeline goes through MH.				GPM	
	Wall Material	Precast	Good						
	Ring/Cover	Cast Iron	Loose						
	Steps?	Yes	Light Deterioration						
	Corbel	Precast	Good						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	534 Pinellas Bayway, in sidewalk								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-6	Yes	15	CIP	6'5"	No	SW		
	MH #BW-4	No	15	CIP	6'5"	No	NE		
9-000-0BW-00006-00 MH # 6 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	8'		Walls and Corbel are Heavily Deteriorated.				GPM	Line Manhole
	Wall Material	Precast	Heavy Deterioration						
	Ring/Cover	Cast Iron	Good						
	Steps?	No	None						
	Corbel	Brick	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	544 Pinellas Bayway, in driveway								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-7	Yes	15	VCP	8'	No	SW		
	MH #BW-5	No	15	VCP	8'	No	NE		
	SC	No	8	PVC	5'6"	Inside Drop	NW		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects	Depth	Drop Present?	Direction		
9-000-0BW-00007-00 MH # 7 LS # 0 MS # BW Inspection Date 6/18/2004	Depth							GPM	
	Wall Material								
	Ring/Cover								
	Steps?								
	Corbel								
	Apron								
	Trough								
	Location								
	Can Not Locate								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction		
	MH #BW-8	Yes					SW	Manhole Shape is	Special Notes:
	MH #BW-7	No					NE	Diameter	
								Feet	
9-000-0BW-00007-01 MH # 7A LS # 0 MS # BW Inspection Date 6/18/2004	Depth	6'9"						GPM	
	Wall Material	Precast	Medium Deterioration	Walls and Corbel are Medium Deteriorated.					
	Ring/Cover	Cast Iron	Good						
	Steps?	No	None						
	Corbel	Precast	Medium Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Street							
	557 Ciega Verde								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction		
	MH #BW-7	Yes	8	PVC	6'9"	No	NW	Manhole Shape is	Special Notes:
	MH	No	8	PVC	6'9"	No	NE	Round	
	MH	No	8	PVC	6'9"	No	SE	Diameter	
	MH	No	8	PVC	6'9"	No	SW	4 Feet	



ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00010-00 MH # 10 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	9'7"		Walls and Corbel are Heavily Deteriorated. Frame is Loose.				GPM	Line Manhole / Repair Frame
	Wall Material	Precast	Heavy Deterioration						
	Ring/Cover	Cast Iron	Loose						
	Steps?	No	None						
	Corbel	Precast	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	738 Pinellas Bayway								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-11	Yes	18	VCP	9'7"	No	SW		
	MH #BW-9	No	18	VCP	9'7"	No	NE		
	SC	No	8	PVC	5'8"	Inside Drop	NW		
	SC	No	10	VCP	8'8"	No	SE		
Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00011-00 MH # 11 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	11'1"		Walls, Corbel and Frame are Heavily Deteriorated. Frame is Rusting.				GPM	Line Manhole / Replace Ring and Cover
	Wall Material	Precast	Heavy Deterioration						
	Ring/Cover	Cast Iron	Loose						
	Steps?	No	None						
	Corbel	Precast	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	860 Pinellas Bayway, in sidewalk and driveway.								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-12	Yes	18	VCP	9'1"	No	SW		
	MH #BW-10	No	18	VCP	9'1"	No	NE		
	SC	No	6	PVC	6'5"	Inside Drop	NW		
	SC	No	8	PVC	6'5"	Inside Drop	NE		



ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANTARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00012-00 MH # 12 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	11'1"	Heavy Deterioration	Walls, Corbel and Frame are Heavily Deteriorated. Frame is Rusting.				GPM	Line Manhole
	Wall Material	Precast	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	None						
	Corbel	Precast	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	900-918 Pinellas Bayway								
	<b>Pipe ID #</b>	<b>Downstream?</b>	<b>Pipe Size</b>	<b>Pipe Type</b>	<b>Depth</b>	<b>Drop Present?</b>	<b>Direction</b>	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-13	Yes	18	VCP	11'1"	No	SW		
	MH #BW-11	No	18	VCP		No	NE		
	SC	No	8	VCP	6'5"	Inside Drop	NW		
	SC	No	6	PVC	6'8"	Inside Drop	N		
	Landmark Circle	No	8	VCP	10'2"	Inside Drop	SE		
Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00013-00 MH # 13 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	11'4"	Heavy Deterioration	Walls, Corbel and Frame are Heavily Deteriorated. Frame is Rusting.				GPM	Line Manhole
	Wall Material	Precast	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	None						
	Corbel	Precast	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	936 Pinellas Bayway								
	<b>Pipe ID #</b>	<b>Downstream?</b>	<b>Pipe Size</b>	<b>Pipe Type</b>	<b>Depth</b>	<b>Drop Present?</b>	<b>Direction</b>	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-14	Yes	18	VCP	11'4"	No	SW		
	MH #BW-12	No	18	VCP	11'4"	No	NE		
	SC	No	6	VCP	6'7"	Inside Drop	NW		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-08W-00014-00 MH # 14 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	127"	Heavy Deterioration	Walls, Corbel and Frame are Heavily Deteriorated. Frame is Rusting.				GPM	Line Manhole
	Wall Material	Precast	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	Heavy Deterioration						
	Corbel	Precast	Good						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement 1000 Pinellas Bayway, In sidewalk							
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-15	Yes	18	VCP	127"	No	SW		
	MH #BW-13	No	18	VCP	127"	No	NE		
	SC	No	6	PVC	5'8"	Inside Drop	NW		
	MH	No	8	PVC	9'	Inside Drop	SE		
9-000-08W-00015-00 MH # 15 LS # 0 MS # BW Inspection Date 8/18/2004	Depth	10'	Heavy Deterioration	Walls and Corbel are Heavily Deteriorated.				GPM	Line Manhole
	Wall Material	Precast	Good						
	Ring/Cover	Cast Iron	None						
	Steps?	No	Heavy Deterioration						
	Corbel	Precast	Good						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Street 12th Street West and Pinellas Bayway							
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-16	Yes	18	VCP	10'	No	SW		
	MH #BW-14	No	18	VCP	10'	No	NE		
	SC	No	8	PVC	6'2"	Inside Drop	N		
	MH	No	8	PVC	8'5"	Inside Drop	NW		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00016-00 MH # 16 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	13'3"		Walls and Corbel are Heavily Deteriorated.				GPM	Line Manhole
	Wall Material	Precast	Heavy Deterioration						
	Ring/Cover	Cast Iron	Loose						
	Steps?	No	None						
	Corbel	Brick	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement 1120 Pinellas Bayway, in sidewalk.							
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-17	Yes	18	VCP	13'3"	No	SW		
	MH #BW-15	No	18	VCP	13'3"	No	NE		
	SC	No	6	PVC	12'6"	Inside Drop	SW		
Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00017-00 MH # 17 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	12'6"		Manhole has a fiberglass liner.				GPM	
	Wall Material	Lined	Good						
	Ring/Cover	Cast Iron	Good						
	Steps?	No	None						
	Corbel	Lined	Good						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement Sands Point Drive and Pinellas Bayway, in sidewalk.							
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-18	Yes	18	VCP	12'6"	No	W		
	MH #BW-16	No	18	VCP	12'6"	No	N		
	MH #BW-19	No	10	PVC	6'7"	No	E		
	Force Main	No	4	PVC	3'7"	Inside Drop	S		
	SC	No	6	PVC	5'5"	Inside Drop	S		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00018-00 MH # 18 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	13'5"	Good	Manhole has a fiberglass liner.				GPM	
	Wall Material	Lined	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	Good						
	Corbel	Lined	Good						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	Sand Point Drive, in sidewalk								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	Lift Station	Yes	18	VCP	13'5"	No	S		
	MH #BW-17	No	18	VCP	13'5"	No	E		
	Force Main	No	4	PVC	3'4"	Inside Drop	W		
	SC	No	10	PVC	5'	Inside Drop	N		
	SC	No	10	PVC	5'	Inside Drop	NE		
Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00019-00 MH # 19 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	6'6"	Medium Deterioration	Walls and Corbel are Medium Deteriorated.  Manhole is in a relative low corner of intersection. Area: 3' x 3' Depth: 1"				GPM	Line Manhole  Install Inflow Protector
	Wall Material	Precast	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	Medium Deterioration						
	Corbel	Precast	Good						
	Apron	Concrete	Good						
	Trough	Yes	Good						
	Location	Easement							
	Sands Point Drive and 13th Street								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction	Manhole Shape is Round Diameter 4 Feet	Special Notes:
	MH #BW-17	Yes	8	VCP	6'6"	No	N		
	MH #BW-20	No	8	VCP	6'6"	No	S		
	MH	No	8	VCP	5'5"	Inside Drop	W		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number	Structure Information			PHYSICAL INSPECTION				Infiltration Rate (GPM)	Rehabilitation Techniques Description
ID #	Item	Type	Rating	Observations and Defects					
9-000-0BW-00020-00 MH # 20 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	7'3"	Heavy Deterioration	Walls, Corbel, Apron and are Heavily Deteriorated. Frame is Rusting.				GPM	Line Manhole
	Wall Material	Precast	Loose						
	Ring/Cover	Cast Iron	None						
	Steps?	No	None						
	Corbel	Brick	Heavy Deterioration						
	Apron	Concrete	Heavy Deterioration						
	Trough	Yes	Heavy Deterioration						
	Location	Easement							
	Sand Point Drive								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction		
	MH #BW-19	Yes	8	VCP	7'3"	No	N	Manhole Shape is Round Diameter 4 Feet	
	MH #BW-21	No	8	VCP	4'10"	Inside Drop	S		
	SC	No	6	VCP			E		
9-000-0BW-00021-00 MH # 21 LS # 0 MS # BW Inspection Date 6/18/2004	Depth	6'6"	Heavy Deterioration	Walls and Corbel are Heavily Deteriorated. Frame is Rusting.				GPM	Line Manhole
	Wall Material	Precast	Good						
	Ring/Cover	Cast Iron	None						
	Steps?	No	None						
	Corbel	Precast	Heavy Deterioration						
	Apron	Concrete	Good						
	Trough	No							
	Location	Easement							
	Sand Point Drive								
	Pipe ID #	Downstream?	Pipe Size	Pipe Type	Depth	Drop Present?	Direction		
	MH #BW-20	Yes	8	VCP	6'6"	No	SE	Manhole Shape is Round Diameter 4 Feet	
	SC	No	6	VCP	4'4"	Inside Drop	NE		
	Force Main	No	6	CMP	3'	Inside Drop	SE		

ClientName: Tierra Verde / Utilities, Inc.  
 Job Number: 04-006-01



**SANITARY SEWER MANHOLE INVESTIGATION REPORT  
 REHABILITATION TECHNIQUE SELECTION TABLE**

Structure Number  ID #	Structure Information			PHYSICAL INSPECTION Observations and Defects	Infiltration Rate (GPM)	Rehabilitation Techniques Description			
	Item	Type	Rating						
9-000-08W-00557-00  MH # #557  LS # 0 MS # BW  Inspection Date 6/18/2004	Depth Wall Material Ring/Cover Steps? Corbel Apron Trough Location	6'9" Precast Cast Iron No Precast Concrete Yes Street	Medium Deterioration Good None Medium Deterioration Good Good	Walls and Corbel are Medium Deteriorated.	GPM				
	<b>Pipe ID #</b>	<b>Downstream?</b>	<b>Pipe Size</b>	<b>Pipe Type</b>	<b>Depth</b>	<b>Drop Present?</b>	<b>Direction</b>	Manhole Shape is Round Diameter 4 Feet	<b>Special Notes:</b>
	MH #BW-7	Yes	8	PVC	6'9"	No	NW		
	MH	No	8	PVC	6'9"	No	NE		
	MH	No	8	PVC	6'9"	No	SE		
	MH	No	8	PVC	6'9"	No	SW		

JOB # 04-06-01 INVESTIGATOR Struble DATE 06-18-04

MANHOLE # BW-1 MINI SYSTEM BW STREET [ ] EASEMENT [ ] SIDEWALK

LOCATION 340 Pinellas Bayway WEATHER Clear

MANHOLE COVER: O.D. 23 3/4 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD  LOOSE  BROKEN  SEALED

NUMBER OF HOLES 2 SIZE 1" IN.

OPEN  CLOSED

MANHOLE FRAME: I.D.: 22" IN. O.D.: 23 3/4 IN.

CONDITION: SOUND  BROKEN  LOOSE

GRADE: AT  ABOVE  BELOW  \_\_\_\_\_ IN.

OFFSET: NO  YES  \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK  PRECAST  OTHER

CONDITION: GOOD  DETERIORATING

LIGHT  MEDIUM  HEAVY

APRON AND TROUGH:

CONDITION: GOOD  POOR  \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# \_\_\_\_\_)

NO  YES  GOOD  POOR

INFLOW:

EVIDENCE OF YES  NO

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES  NO

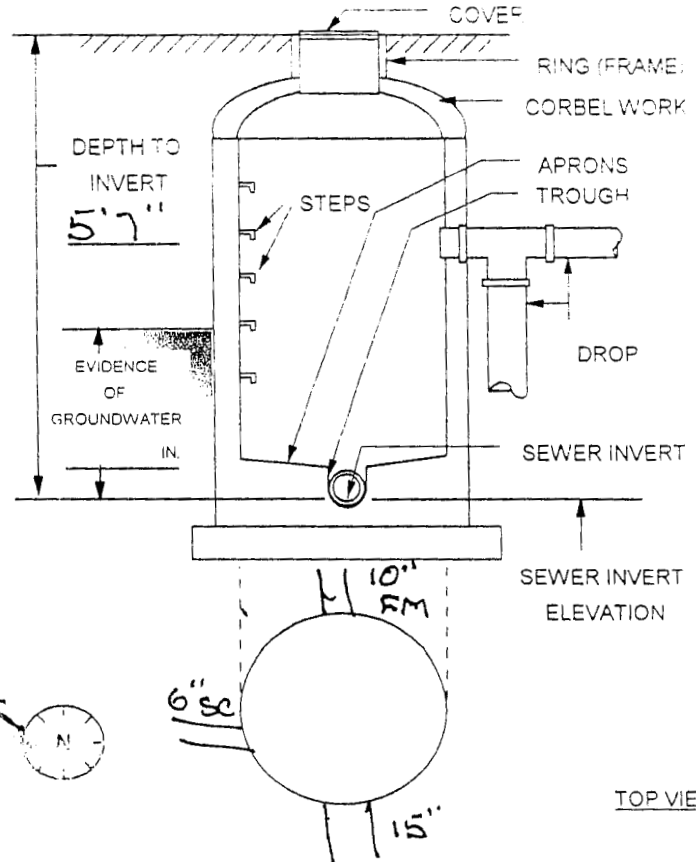
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES  NO  RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES  NO  PAST  PRESENT  DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	NW INCOMING LINES		SW OUTGOING		
	6" SC	10" F.M	MH	MH	MH 2
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	PVC	VCP			VCP
DIAMETER	6" IN.	10" IN.	IN.	IN.	15" IN.
DEPTH	4 FT. 5" IN.	5 FT. 7" IN.	FT. IN.	FT. IN.	5 FT. 7" IN.
REMARKS					

JOB # 04-06-01 INVESTIGATOR STRUBLE DATE 06-18-04

MANHOLE # BW-2 MINI SYSTEM BW STREET [ ] DRIVEWAY EASEMENT []

LOCATION 350 PINELLAS BAYWAY WEATHER Clear

MANHOLE COVER: O.D. 22 3/4 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 2 SIZE 1/2 IN.

OPEN [] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/4 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND [] BROKEN [ ] LOOSE [ ]

GRADE: AT [] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [] PRECAST [] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING []

LIGHT [ ] MEDIUM [ ] HEAVY []

APRON AND TROUGH:

CONDITION: GOOD [] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# \_\_\_\_\_)

NO [] YES [ ] GOOD [ ] POOR [ ]

INFLOW:

EVIDENCE OF YES [ ] NO []

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO []

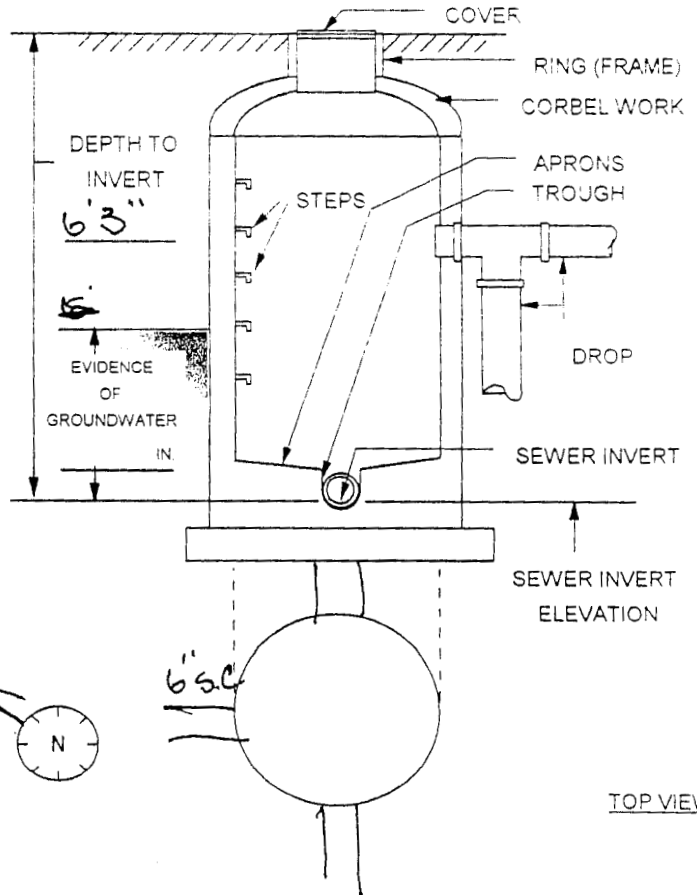
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	NW	NE	MH	MH	SW
	## 6" SC	MH 1	MH	MH	MH 3
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	PVC	VCP			VCP
DIAMETER	6" IN.	15 IN.	IN.	IN.	15 IN.
DEPTH	5 FT. 10 IN.	6 FT. 3 IN.	FT. IN.	FT. IN.	6 FT. 3 IN.
REMARKS:					





# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR Stevole DATE 06-18-04  
 MANHOLE # BW-3 MINI SYSTEM BW STREET [ ] EASEMENT [] SIDEWALK  
 LOCATION 380 Pinellas Bayway WEATHER Clear  
 MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT:  
 GOOD [ ] LOOSE [] BROKEN [ ] SEALED [ ]  
 NUMBER OF HOLES 1 SIZE 1" IN.  
 OPEN [] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/4 IN. O.D.: 22 1/2 IN.

CONDITION: SOUND [ ] BROKEN [ ] LOOSE []  
 GRADE: AT [] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.  
 OFFSET: NO [] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [] OTHER []  
 CONDITION: GOOD [ ] DETERIORATING []  
 LIGHT [ ] MEDIUM [ ] HEAVY []

APRON AND TROUGH:  
 CONDITION: GOOD [] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)  
 NO [] YES [ ] GOOD [ ] POOR [ ]

INFLOW:  
 EVIDENCE OF YES [ ] NO []  
 LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO []

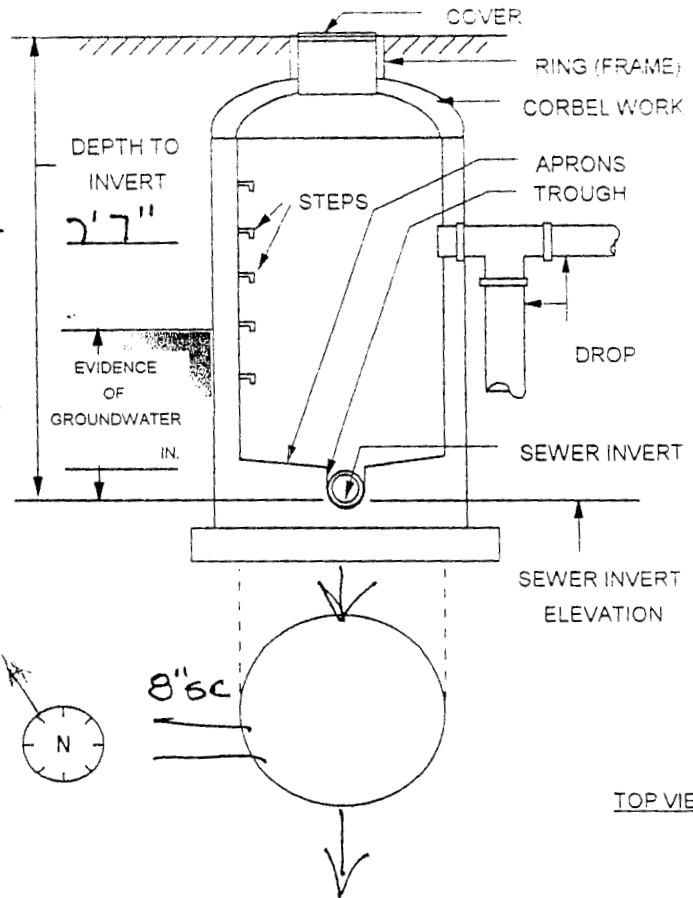
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



PIPE DATA	INCOMING LINES				OUTGOING
	NW	NE	MH	MH	SW
	MH SC	MH BW2	MH	MH	MH BW4
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	VCP	VCP			VCP
DIAMETER	8" IN.	15 IN.			15 IN.
DEPTH	6 FT. 5" IN.	7 FT. 7" IN.	FT. IN.	FT. IN.	7 FT. 7 IN.

REMARKS: \_\_\_\_\_

USE BACK OF SHEET FOR ADDED INFORMATION:

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR Struble DATE 06-18-04

MANHOLE # B.M.4 MINI SYSTEM BW STREET [ ] EASEMENT [X] SIDEWALK

LOCATION 522 Pinellas Bayway WEATHER \_\_\_\_\_

MANHOLE COVER: O.D. 22 5/8 IN.

CONDITION OF FIT: \_\_\_\_\_  
 GOOD [ ] LOOSE [X] BROKEN [ ] SEALED [ ]  
 NUMBER OF HOLES 1 SIZE 1 IN.  
 OPEN [X] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/4 IN. O.D.: 22 1/2 IN.

CONDITION: SOUND [ ] BROKEN [ ] LOOSE [X]  
RUST HEAVY  
 GRADE: AT [X] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.  
 OFFSET: NO [X] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_  
 CONSTRUCTION: BRICK [X] PRECAST [ ] OTHER [X]  
 CONDITION: GOOD [ ] DETERIORATING [X]  
 LIGHT [ ] MEDIUM [ ] HEAVY [X]

APRON AND TROUGH:  
 CONDITION: GOOD [X] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)  
 NO [X] YES [ ] GOOD [ ] POOR [ ]

INFLOW:  
 EVIDENCE OF YES [ ] NO [X]  
 LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [X]

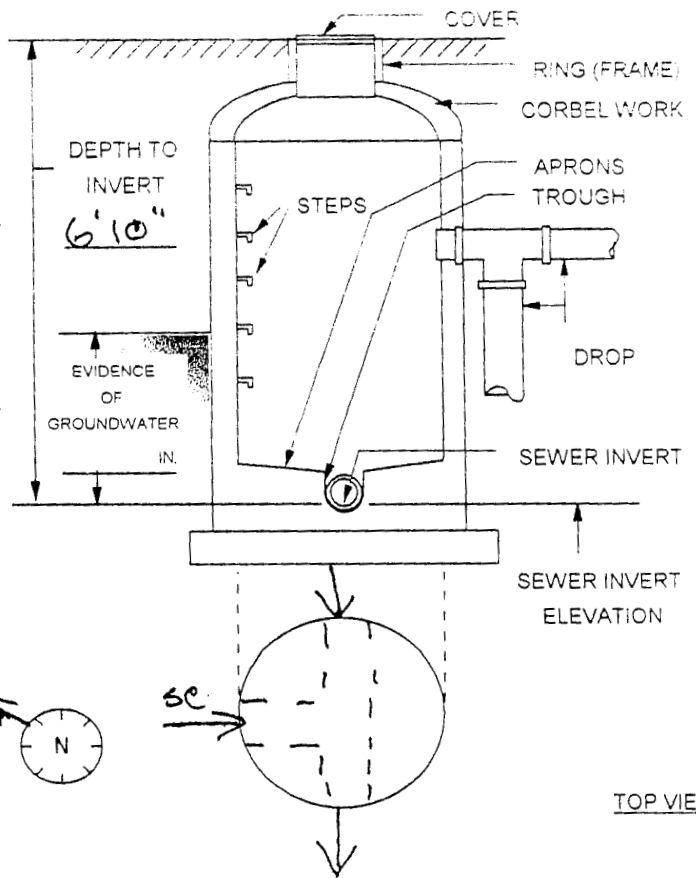
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [X] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [X] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



PIPE DATA	INCOMING LINES				OUTGOING
	NW	NE	MH	MH	SW
MH	SC	3			5
DROP [ ]			DROP [ ]	DROP [ ]	DROP [ ]
TYPE	VCP	VCP			VCP
DIAMETER	10 IN.	15 IN.	IN.	IN.	15 IN.
DEPTH	5 FT. 7 IN.	6 FT. 10 IN.	FT. IN.	FT. IN.	6 FT. 10 IN.
REMARKS:					

USE BACK OF SHEET FOR ADDED INFORMATION:



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR Steeble DATE 06-18-04

MANHOLE # BW-5 MINI SYSTEM BW STREET [ ] EASEMENT [X]

LOCATION 534 Pinellas Bayway WEATHER Clear

MANHOLE COVER: O.D. 22 5/8 IN.

CONDITION OF FIT: \* Conflicting M.H.

GOOD [ ] LOOSE [X] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [X] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/4 IN. O.D.: 22 1/2 IN.

CONDITION: SOUND [X] BROKEN [ ] LOOSE [ ]

GRADE: AT [X] ABOVE [ ] BELOW [ ] IN.

OFFSET: NO [X] YES [ ] IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [X] OTHER [ ]

CONDITION: GOOD [X] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH:

CONDITION: GOOD [X] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 4)

NO [ ] YES [X] GOOD [ ] POOR [ ]

INFLOW:

EVIDENCE OF YES [ ] NO [X]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [X]

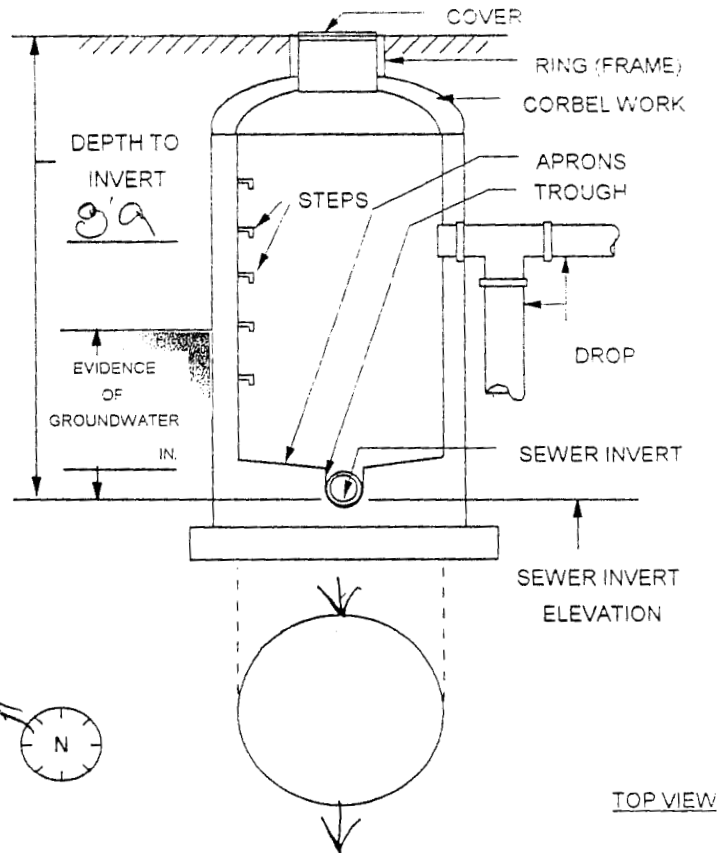
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [X] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [X] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



PIPE DATA	INCOMING LINES				SWOUTGOING
	MH <u>BW #4</u>	MH	MH	MH	MH <u>BW #6</u>
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	<u>C.I.</u>				<u>C.I.</u>
DIAMETER	<u>15</u> IN.	IN.	IN.	IN.	<u>15</u> IN.
DEPTH	<u>6 FT. 5</u> IN.	FT. IN.	FT. IN.	FT. IN.	<u>6 FT. 5</u> IN.

REMARKS: Conflicting M.H. C.I.P. Runs Thru Storm M.H.

USE BACK OF SHEET FOR ADDED INFORMATION.

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR Stumble DATE 06-18-04

MANHOLE # 6 MINI SYSTEM BW STREET [ ] EASEMENT [] DRIVEWAY

LOCATION 544 Pivellas BAYWAY WEATHER clear

MANHOLE COVER: O.D. 22 3/8 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1/2 IN.

OPEN [ ] CLOSED []

MANHOLE FRAME: I.D.: 21 IN. O.D.: 22 1/2 IN.

CONDITION: SOUND [] BROKEN [ ] LOOSE [ ]

GRADE: AT [] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING []  
LIGHT [ ] MEDIUM [ ] HEAVY []

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO []

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO []

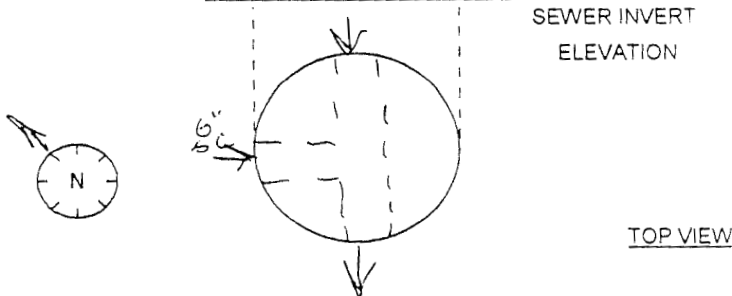
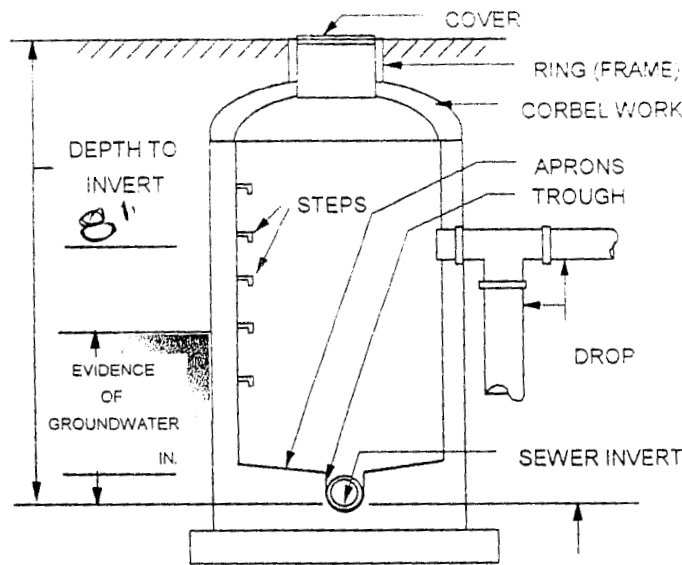
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	NW	NE	MH	MH	SW
MH	SC	5			7
DROP	[ <input checked="" type="checkbox"/> ]	[ ]	[ ]	[ ]	[ ]
TYPE	PVC	VCP			VCP
DIAMETER	6" IN.	15" IN.			15" IN.
DEPTH	5 FT. 6 IN.	0 FT. IN.			8 FT. IN.
REMARKS:					

USE BACK OF SHEET FOR ADDED INFORMATION:

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR Steeble DATE 6-18-04

MANHOLE # BV-8 MINI SYSTEM \_\_\_\_\_ STREET [ ] EASEMENT [ ]

LOCATION Parked over WEATHER \_\_\_\_\_

MANHOLE COVER: O.D. \_\_\_\_\_ IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES \_\_\_\_\_ SIZE \_\_\_\_\_ IN.

OPEN [ ] CLOSED [ ]

MANHOLE FRAME: I.D.: \_\_\_\_\_ IN. O.D.: \_\_\_\_\_ IN.

CONDITION: SOUND [ ] BROKEN [ ] LOOSE [ ]

GRADE: AT [ ] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [ ] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [ ] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH:

CONDITION: GOOD [ ] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# \_\_\_\_\_)

NO [ ] YES [ ] GOOD [ ] POOR [ ]

INFLOW:

EVIDENCE OF YES [ ] NO [ ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [ ]

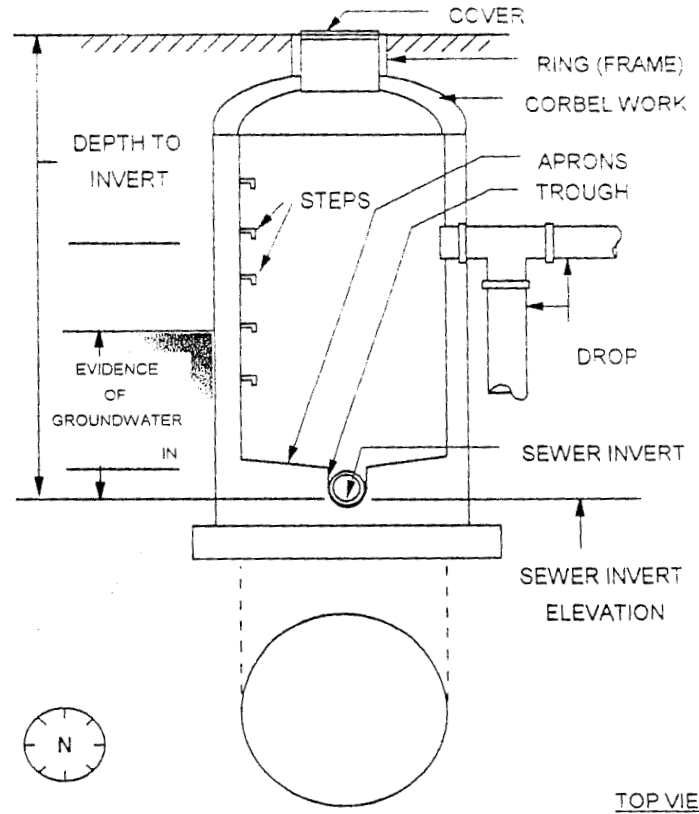
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [ ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [ ] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	MH	MH	MH	MH	MH
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE					
DIAMETER	IN.	IN.	IN.	IN.	IN.
DEPTH	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
REMARKS:					

USE BACK OF SHEET FOR ADDED INFORMATION.

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR STRUBLE DATE 06-18-0

MANHOLE # BV-9 MINI SYSTEM BW STREET [ ] EASEMENT [ ]

LOCATION 722 Pinellas Bayway WEATHER Clear

MANHOLE COVER: O.D. 23 3/4 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 2 SIZE 1" IN.

OPEN [ ] CLOSED []

MANHOLE FRAME: I.D.: 22 IN. O.D.: 23 3/4 IN.

CONDITION: SOUND [] BROKEN [ ] LOOSE [ ]

GRADE: AT [ ] ABOVE [] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [] OTHER [ ]

CONDITION: GOOD [] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO []

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO []

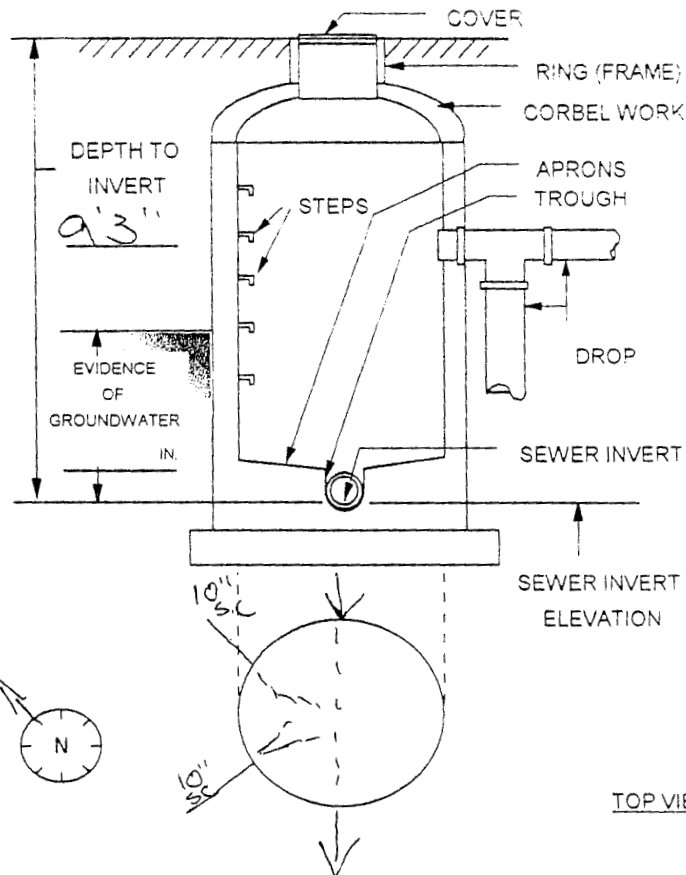
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				SW	OUTGOING
	W	N	NE	MH	MH	
	MH 10"	MH 10"	MH 10"		MH 10"	
	DROP [ <input checked="" type="checkbox"/> ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ ]	DROP [ ]	DROP [ ]	
TYPE	PVC	PVC	VCP		VCP	
DIAMETER	10 IN.	10 IN.	15 IN.	IN.	10 IN.	
DEPTH	7 FT. 11 IN.	7 FT. 11 IN.	9 FT. 3 IN.	FT. IN.	9 FT. 3 IN.	
REMARKS:						

USE BACK OF SHEET FOR ADDED INFORMATION.

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR ST-ble DATE 6-18-04

MANHOLE # BW-10 MINI SYSTEM BW STREET [ ] EASEMENT [ ]

LOCATION 738 Pinellas Bayway WEATHER clear

MANHOLE COVER: O.D. 22 5/8 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [ ] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 IN. O.D.: 22 5/8 IN.

CONDITION: SOUND [ ] BROKEN [ ] LOOSE [ ]

GRADE: AT [ ] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [ ] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [ ] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [ ] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 1)

NO [ ] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO [ ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [ ]

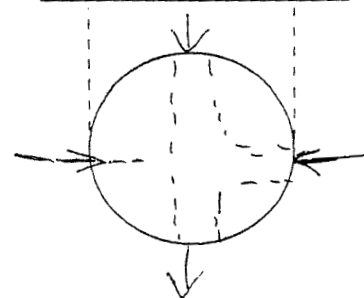
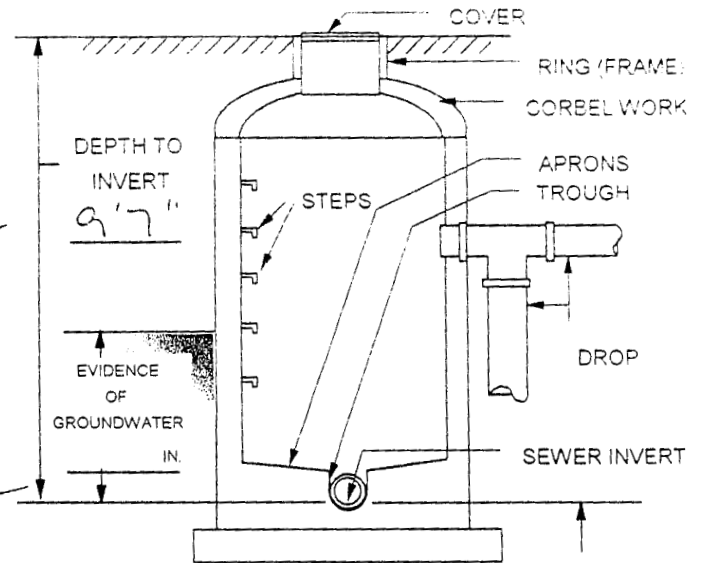
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [ ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [ ] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	NW	NE	INCOMING LINES		SE	SW	OUTGOING
	MH	MH	MH	MH	MH	MH	MH
	MH <u>BW-9</u>	MH <u>BW-9</u>	MH <u>937 Pinellas Bay</u>	MH	MH	MH <u>BW-10</u>	MH <u>BW-10</u>
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	<u>PVC</u>	<u>VCP</u>	<u>VCP</u>			<u>VCP</u>	
DIAMETER	<u>8</u> IN.	<u>18</u> IN.	<u>18</u> IN.			<u>18</u> IN.	
DEPTH	<u>5 FT. 8</u> IN.	<u>9 FT. 7</u> IN.	<u>8 FT. 8</u> IN.			<u>9 FT. 7</u> IN.	
REMARKS:							

USE BACK OF SHEET FOR ADDED INFORMATION.

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR Stubble DATE 6-18-04  
 MANHOLE # BW-14 MINI SYSTEM BW STREET [ ] EASEMENT [ ]  
 LOCATION 860 PINELLAS BAYWAY WEATHER cloud  
 MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_  
 GOOD [ ] LOOSE [ ] BROKEN [ ] SEALED [ ]  
 NUMBER OF HOLES 1 SIZE 1 IN.  
 OPEN [ ] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

Below CONDITION: SOUND [ ] BROKEN [ ] LOOSE [ ]  
 GRADE: AT [ ] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.  
 OFFSET: NO [ ] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_  
 CONSTRUCTION: BRICK [ ] PRECAST [ ] OTHER [ ]  
 CONDITION: GOOD [ ] DETERIORATING [ ]  
 LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH:  
 CONDITION: GOOD [ ] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)  
 NO [ ] YES [ ] GOOD [ ] POOR [ ]

INFLOW:  
 EVIDENCE OF YES [ ] NO [ ]  
 LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [ ]

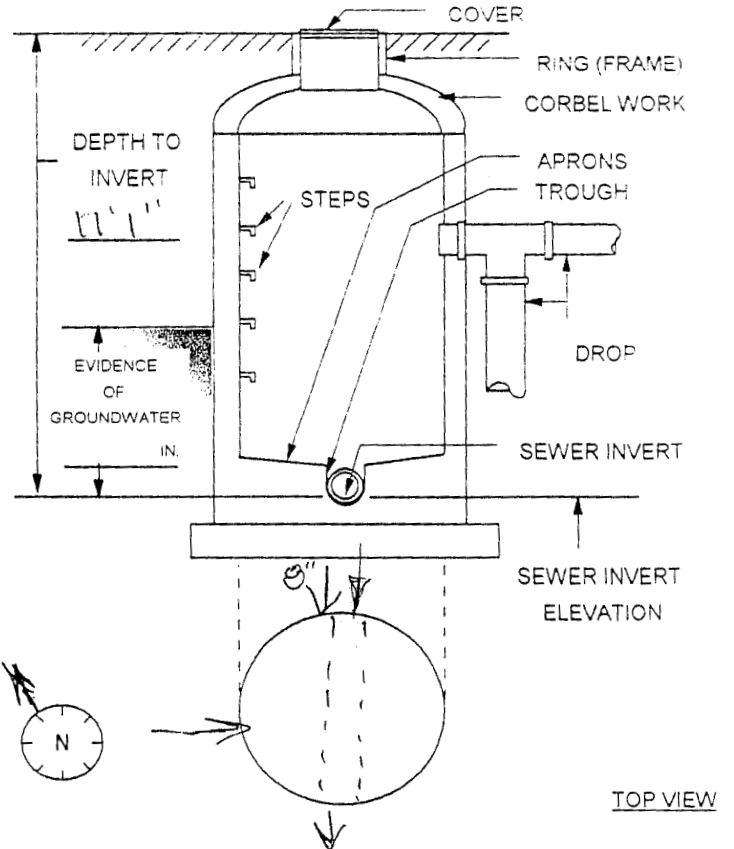
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [ ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [ ] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



PIPE DATA	NE INCOMING LINES				SW OUTGOING
	NW	NE	NE	NE	SW
MH	SC	MH	MH BW-10	MH	MH BW-12
DROP	[ ]	[ ]	[ ]	[ ]	[ ]
TYPE	PVC	PVC	VCP		VCP
DIAMETER	6" IN.	8 IN.	18 IN.	IN.	18 IN.
DEPTH	6 FT. 5 IN.	6 FT. 5 IN.	9 FT. 1 IN.	FT. IN.	9 FT. 1 IN.

REMARKS: MH Frame Rusting Heavy

USE BACK OF SHEET FOR ADDED INFORMATION

MANHOLE INVESTIGATION FORM





# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR Stable DATE 6-18-04

MANHOLE # BN-12 MINI SYSTEM BBW STREET [ ] EASEMENT [ ]

LOCATION 900-910 Pinellas Bayway WEATHER cloud

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [ ] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

Below CONDITION: SOUND [ ] BROKEN [ ] LOOSE [ ]

GRADE: AT [ ] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [ ] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [ ] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [ ] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [ ] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO [ ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [ ]

DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [ ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [ ] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.

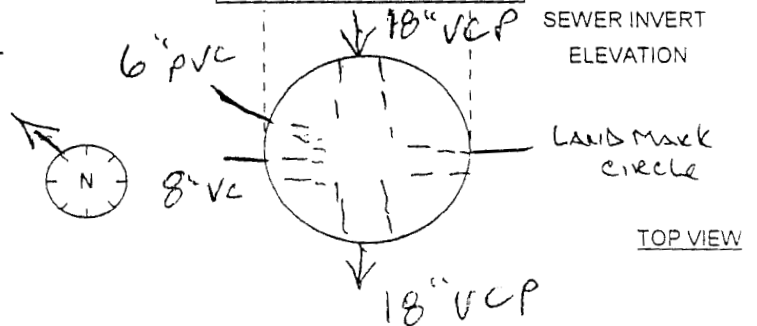
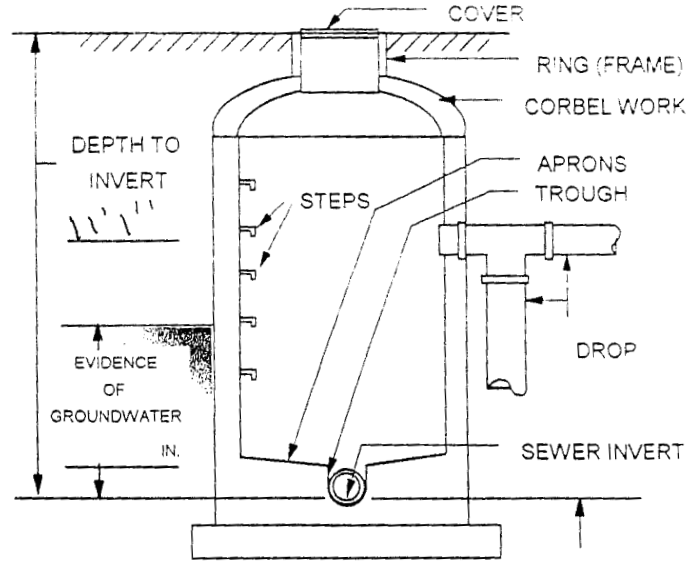
PIPE DATA	NW	N	INCOMING LINES		SW
	MH SC	MH SC	MH BN-10	MH LANDMARK	MH BN-13
DROP	[ ]	[ ]	[ ]	[ ]	[ ]
TYPE	VCP	PVC	VCP		VCP
DIAMETER	8 IN.	6 IN.	18 IN.	IN.	18 IN.
DEPTH	6 FT. 5 IN.	6 FT. 0 IN.	11 FT. 1 IN.	10 FT. 2 IN.	11 FT. 1 IN.

REMARKS:

FRAME Rustic Heavy

USE BACK OF SHEET FOR ADDED INFORMATION.

MANHOLE INVESTIGATION FORM





# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR STRUBLE DATE 6-18-04

MANHOLE # BW-13 MINI SYSTEM BW STREET [ ] EASEMENT [ ]

LOCATION 936 Pinellas Bayway WEATHER cloud

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [ ] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

BELOW CONDITION: SOUND [ ] BROKEN [ ] LOOSE [ ]

GRADE: AT [ ] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [ ] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [ ] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [ ] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [ ] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO [ ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [ ]

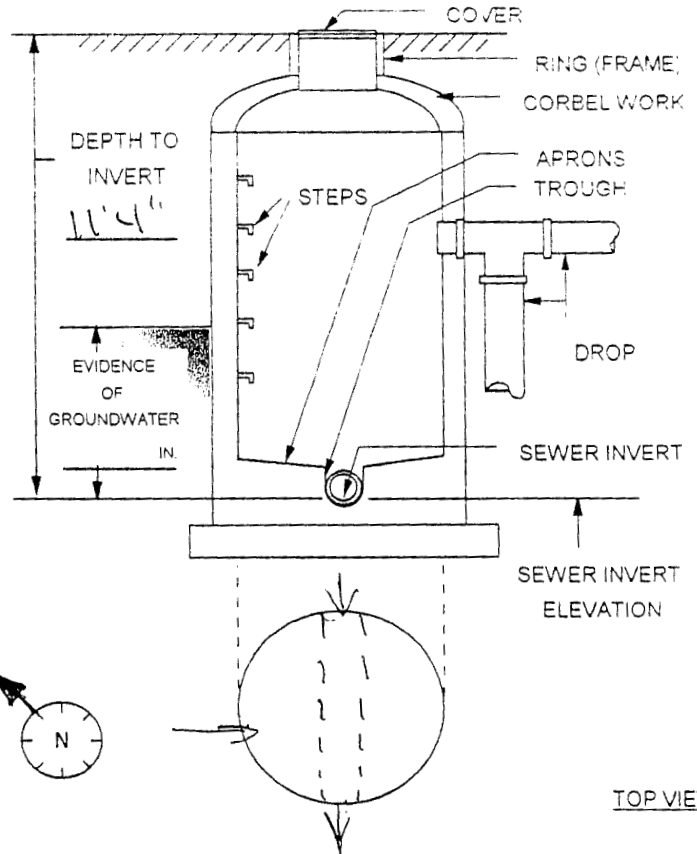
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [ ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [ ] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	NW	NE	MH	MH	SW
	MH <u>SC</u>	MH <u>BW-12</u>	MH	MH	MH <u>BW-14</u>
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	<u>VCP</u>	<u>VCP</u>			<u>VCP</u>
DIAMETER	<u>6</u> IN.	<u>18</u> IN.	IN.	IN.	<u>18</u> IN.
DEPTH	<u>6 FT. 7</u> IN.	<u>11 FT. 4</u> IN.	FT. IN.	FT. IN.	<u>11 FT. 4</u> IN.

REMARKS

MANHOLE FRAME RUSTING HEAVY

USE BACK OF SHEET FOR ADDED INFORMATION.

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-C1 INVESTIGATOR STV-ble

DATE 6-18-04

MANHOLE # BW-14 MINI SYSTEM BW

STREET [ ] SIDEWALK EASEMENT [ ]

LOCATION 1000 Pinellas Bayway

WEATHER Clear

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [x] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [x] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

Below CONDITION: SOUND [x] BROKEN [ ] LOOSE [ ]

GRADE: AT [x] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [x] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [x] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [x]

LIGHT [ ] MEDIUM [ ] HEAVY [x]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [x] POOR [ ]

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 1)

NO [x] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO [x]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [x]

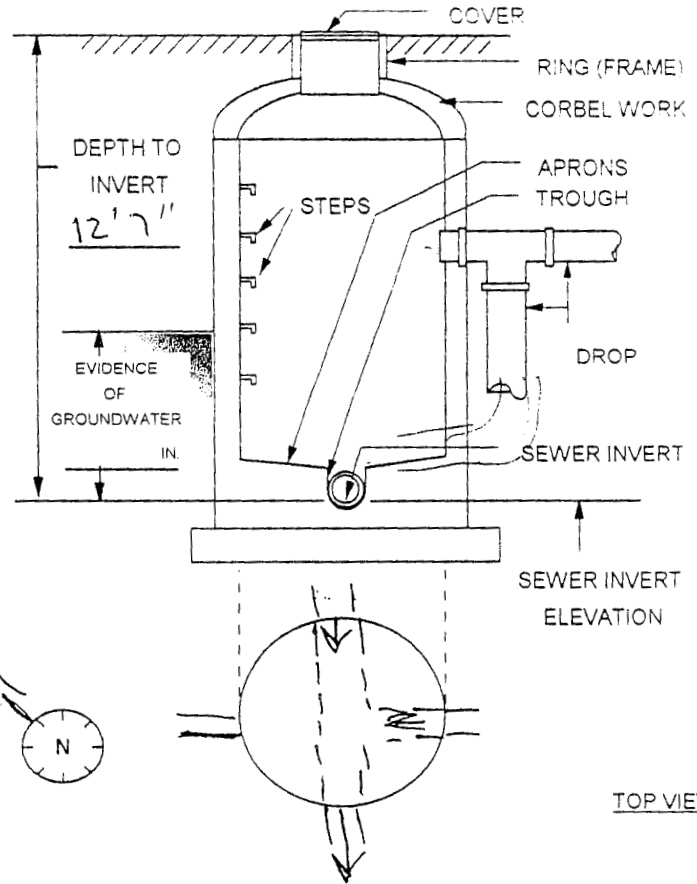
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [x] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [x] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	NW	NE	SE	SW	
MH	SC	BW-13	MH	MH	MH BW-15
DROP	[x]	[ ]	[x]	[ ]	[ ]
TYPE	PVC	VCP	PVC		VCP
DIAMETER	6" IN.	18 IN.	8 IN.	IN.	18 IN.
DEPTH	5 FT. 0 IN.	12 FT. 7 IN.	9 FT. 8 IN.	FT. IN.	12 FT. 7 IN.

REMARKS: FRAME RUSTING HEAVY

USE BACK OF SHEET FOR ADDED INFORMATION



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR STUEBLE DATE 6-18-04

MANHOLE # BW-15 MINI SYSTEM BW STREET [ ] EASEMENT [ ]

LOCATION 12<sup>TH</sup> ST. W. Pinellas Bayway WEATHER Clear

MANHOLE COVER: O.D. 22 3/4 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD  LOOSE  BROKEN  SEALED

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN  CLOSED

MANHOLE FRAME: I.D.: 20 3/8 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND  BROKEN  LOOSE

GRADE: AT  ABOVE  BELOW  \_\_\_\_\_ IN.

OFFSET: NO  YES  \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK  PRECAST  OTHER

CONDITION: GOOD  DETERIORATING

LIGHT  MEDIUM  HEAVY

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD  POOR  \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO  YES  GOOD  POOR

INFLOW: \_\_\_\_\_

EVIDENCE OF YES  NO

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES  NO

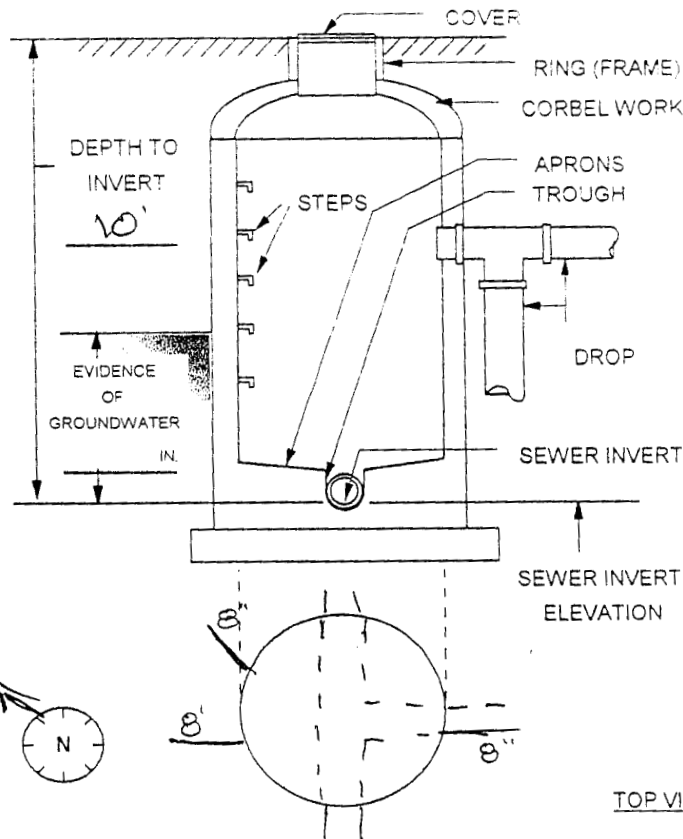
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES  NO  RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES  NO  PAST  PRESENT  DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	NW	N	INCOMING LINES		SE	SW
	MH	MH SC	MH BW-14	MH	MH	MH BW-16
DROP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TYPE	PVC	PVC	VCP	VCP	VCP	VCP
DIAMETER	8 IN.	8 IN.	18 IN.	8 IN.	8 IN.	18 IN.
DEPTH	8 FT. 5 IN.	6 FT. 2 IN.	10 FT. IN.	10 FT. IN.	10 FT. IN.	10 FT. IN.
REMARKS						

USE BACK OF SHEET FOR ADDED INFORMATION:

MANHOLE INVESTIGATION FORM



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR STREBLE DATE 6-18-04

MANHOLE # BN-16 MINI SYSTEM BW STREET [ ] EASEMENT [ ] SIDEWALK

LOCATION 1120 Pinellas Bayway WEATHER clear

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [ ] CLOSED []

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND [] BROKEN [ ] LOOSE [ ]

GRADE: AT [] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [] PRECAST [] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY []

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO []

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO []

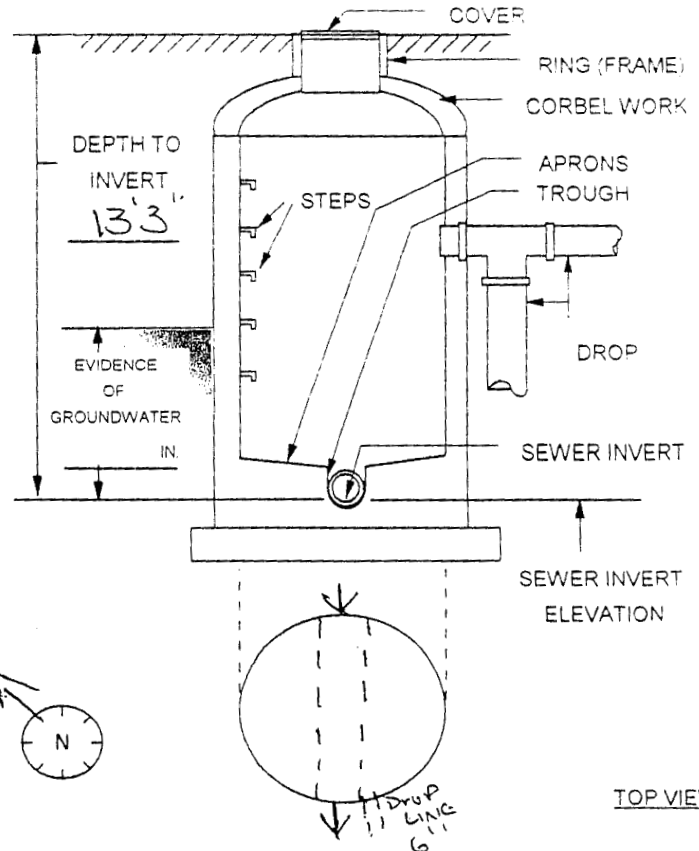
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	NE	SW	MH	MH	SW
MH <u>BN-15</u>	MH <u>6" SC</u>	MH	MH	MH <u>BN-17</u>	
DROP [ ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ ]	DROP [ ]	DROP [ ]	
TYPE	<u>VCP</u>	<u>PVC</u>			<u>VCP</u>
DIAMETER	<u>18</u> IN.	<u>6"</u> IN.	IN.	IN.	<u>18</u> IN.
DEPTH	<u>13 FT. 3</u> IN.	<u>12 FT. 6</u> IN.	FT. IN.	FT. IN.	<u>13 FT. 3</u> IN.
REMARKS:					



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR STEDIE DATE 6-18-05

MANHOLE # BW-17 MINI SYSTEM BW STREET [ ] EASEMENT [ ]

LOCATION SANDS POINT DR & PINELLAS BAYWAY WEATHER clear

MANHOLE COVER: O.D. 22 3/4 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 2 SIZE 1/2 IN.

OPEN [ ] CLOSED []

MANHOLE FRAME: I.D.: 21 IN. O.D.: 22 7/8 IN.

CONDITION: SOUND [] BROKEN [ ] LOOSE [ ]

GRADE: AT [] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

COMMENT CONSTRUCTION: BRICK [ ] PRECAST [ ] OTHER []

CONDITION: GOOD [] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO []

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO []

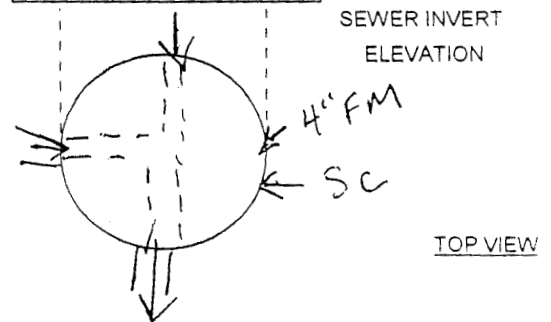
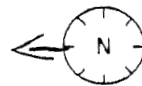
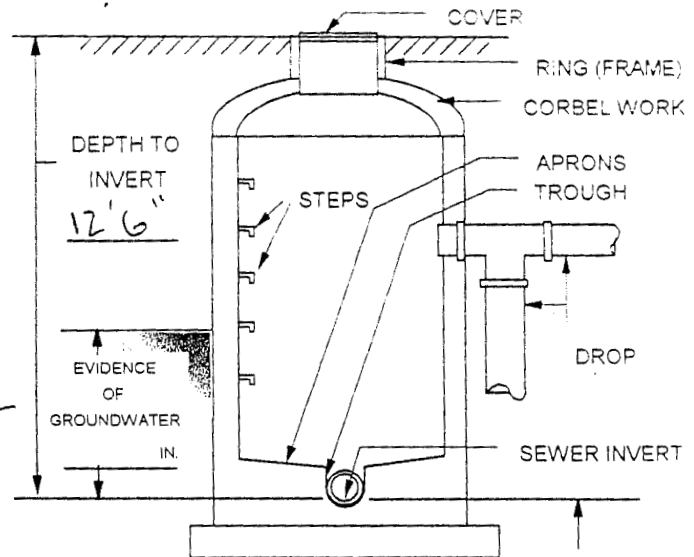
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	N	E	SE	S	N
	MH <u>BW-16</u>	MH <u>BW-19</u>	MH <u>4" F.M</u>	MH <u>6" S.C</u>	MH <u>BW-18</u>
	DROP [ ]	DROP [ ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ ]
TYPE	<u>VCP</u>	<u>PVC</u>	<u>PVC</u>	<u>PVC</u>	<u>VCP</u>
DIAMETER	<u>18</u> IN.	<u>10</u> IN.	<u>4</u> IN.	<u>6</u> IN.	<u>18</u> IN.
DEPTH	<u>12 FT. 6</u> IN.	<u>6 FT. 7</u> IN.	<u>3 FT. 7</u> IN.	<u>5 FT. 5</u> IN.	<u>12 FT. 6</u> IN.

REMARKS:

M.H. FIBERGLASS LINER IN IT.

USE BACK OF SHEET FOR ADDED INFORMATION:

MANHOLE INVESTIGATION FORM

JOB # 04-06-01 INVESTIGATOR Struble DATE 6-18-04

MANHOLE # BW-18 MINI SYSTEM BW STREET [ ] EASEMENT [ ] Sidewalk

LOCATION SAND POINT DR. WEATHER Clear

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [x] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [x] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND [ ] BROKEN [ ] LOOSE [x]

GRADE: AT [x] ABOVE [ ] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [x] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [ ] OTHER [x]

CONDITION: GOOD [x] DETERIORATING [ ]

LIGHT [ ] MEDIUM [ ] HEAVY [ ]

APRON AND TROUGH:

CONDITION: GOOD [x] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [x] YES [ ] GOOD [ ] POOR [ ]

INFLOW:

EVIDENCE OF YES [ ] NO [x]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [x]

DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [x] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [x] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.

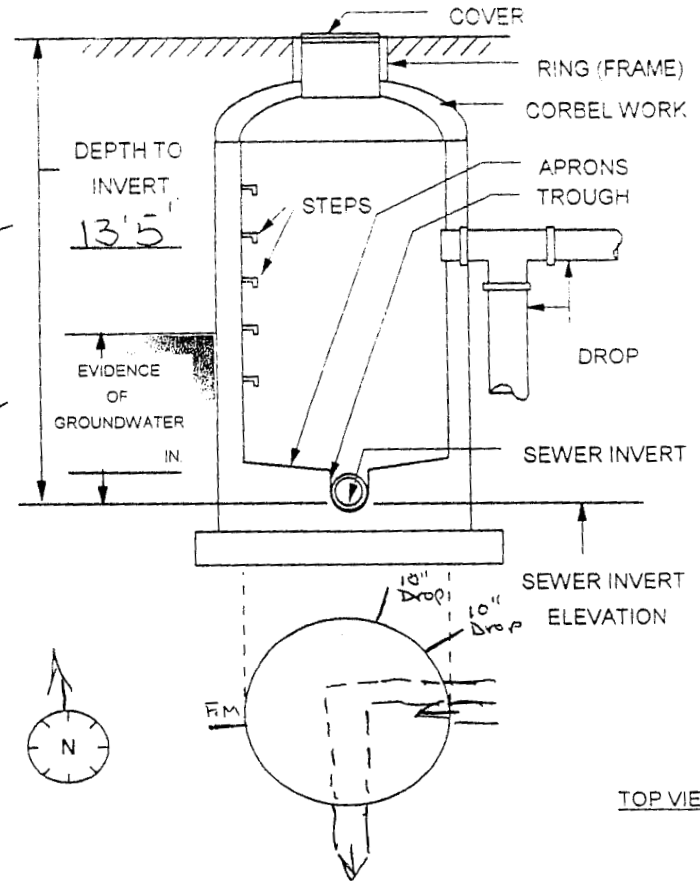
PIPE DATA	W	NE	INCOMING LINES		NE	E	S OUTGOING
	MH F.M. 4"	MH 10"	MH	DROP [ ]	MH	MH BN-17	MH L.S.
	DROP [x]	DROP [x]					DROP [ ]
TYPE	PVC	PVC	VCP		VCP	VCP	VCP
DIAMETER	4 IN.	10 IN.	10 IN.		18 IN.	18 IN.	18 IN.
DEPTH	3 FT. 4 IN.	5 FT. IN.	5 FT. IN.		13 FT. 5 IN.	13 FT. 5 IN.	13 FT. 5 IN.

REMARKS:

M.H. HAS FIBERGLASS LINER

USE BACK OF SHEET FOR ADDED INFORMATION:

MANHOLE INVESTIGATION FORM



JOB # 04-06-01 INVESTIGATOR Struble

DATE 6-18-04

MANHOLE # BW-19 MINI SYSTEM BW

STREET [ ] EASEMENT [ ]

LOCATION 3 SANDS POINT DR. / 13TH ST.

MANHOLE COVER: O.D. 22 1/2 IN.

WEATHER Clear

CONDITION OF FIT: \_\_\_\_\_  
GOOD [ ] LOOSE [x] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [x] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND [x] BROKEN [ ] LOOSE [ ]

GRADE: AT [x] ABOVE [ ] BELOW [ ] IN.

OFFSET: NO [x] YES [ ] IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [x] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [x]

LIGHT [ ] MEDIUM [x] HEAVY [ ]

APRON AND TROUGH:

CONDITION: GOOD [x] POOR [ ]

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# \_\_\_\_\_)  
NO [x] YES [ ] GOOD [ ] POOR [ ]

INFLOW:

EVIDENCE OF YES [x] NO [ ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [x] NO [ ]

DESCRIBE LOCATION CORNER OF SANDS POINT IN DISTANCE

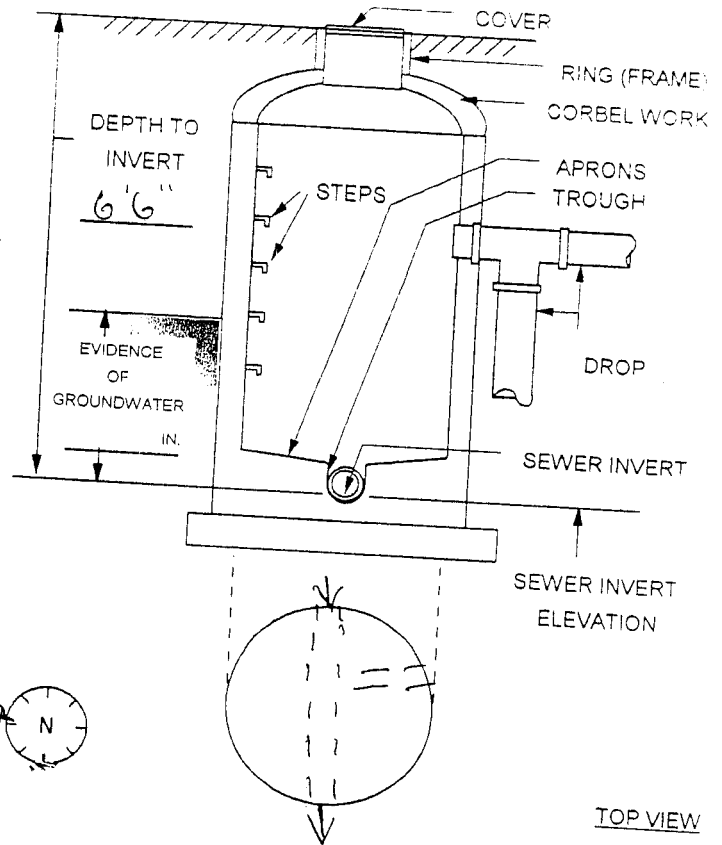
POTENTIAL AREA DRAINED (FT. X FT.) 3' X 3' DEPTH \_\_\_\_\_ IN.

INFILTRATION: YES [ ] NO [x] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [x] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.

PIPE DATA	INCOMING LINES				OUTGOING
	MH <u>BW-20</u>	MH	MH	MH	
TYPE	DROP [ ]	DROP [x]	DROP [ ]	DROP [ ]	MH <u>BW-17</u>
DIAMETER	<u>VCP</u>	<u>PVC</u>			<u>VCP</u>
DEPTH	<u>8</u> IN.	<u>8</u> IN.			<u>8</u> IN.
REMARKS:	<u>6 FT. 6 IN.</u>	<u>5 FT. 5 IN.</u>			<u>6 FT. 6 IN.</u>





JOB # 04-06-01 INVESTIGATOR STRUBLE DATE 6-18-04

MANHOLE # BW-20 MINI SYSTEM BW STREET [ ] EASEMENT [ ]

LOCATION SAND POINT DRIVE WEATHER COAK

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_  
GOOD [ ] LOOSE [  ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [  ] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND [ ] BROKEN [ ] LOOSE [ ]

GRADE: AT [  ] ABOVE [ ] BELOW [ ] RUSTED [ ] IN.

OFFSET: NO [  ] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [  ] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [  ]

LIGHT [ ] MEDIUM [ ] HEAVY [  ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [ ] POOR [  ]

REMARKS: APRON Deterioration

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# 0)

NO [  ] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO [  ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [  ]

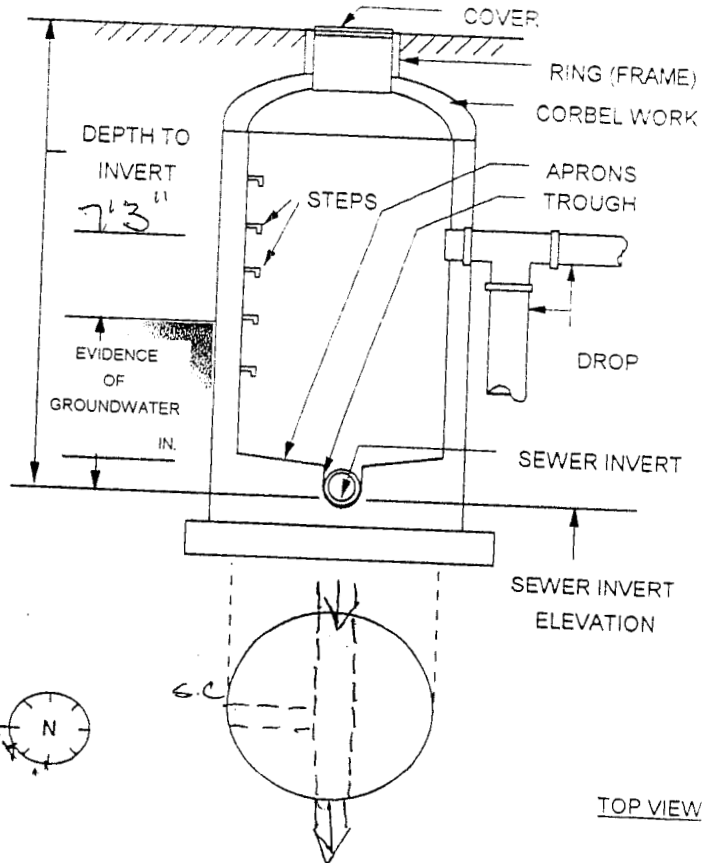
DESCRIBE LOCATION \_\_\_\_\_

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

INFILTRATION: YES [ ] NO [  ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [  ] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	N E INCOMING LINES				W OUTGOING
	MH <u>SC</u>	MH <u>BW-21</u>	MH	MH	MH <u>BW-19</u>
DROP [ ]	DROP [ ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	<u>VCP</u>	<u>VCP</u>			<u>VCP</u>
DIAMETER	<u>6</u> IN.	<u>8</u> IN.			<u>8</u> IN.
DEPTH	FT. IN.	<u>4 FT. 10</u> IN.	FT. IN.	FT. IN.	<u>7 FT. 3</u> IN.
REMARKS:					

USE BACK OF SHEET FOR ADDED INFORMATION:



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # CV-06-01 INVESTIGATOR STRUBLE DATE 06-18-0

MANHOLE # BW-21 MINI SYSTEM BW STREET [ ] EASEMENT [ ]

LOCATION SAND POINT DRIVE WEATHER Clear

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [ ] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [  ] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/2 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND [ ] BROKEN [ ] ~~LOOSE~~ [ ]

GRADE: AT [  ] ABOVE [ ] BELOW [ ] RUSTING IN.

OFFSET: NO [  ] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [  ] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING [  ]

LIGHT [ ] MEDIUM [ ] HEAVY [  ]

APRON AND TROUGH:

CONDITION: GOOD [  ] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# ①)

NO [  ] YES [ ] GOOD [ ] POOR [ ]

INFLOW:

EVIDENCE OF YES [ ] NO [  ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO [  ]

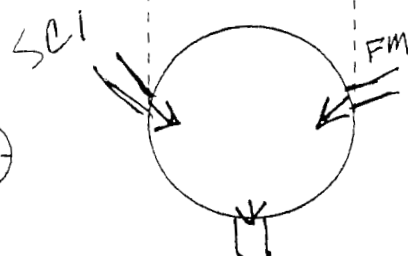
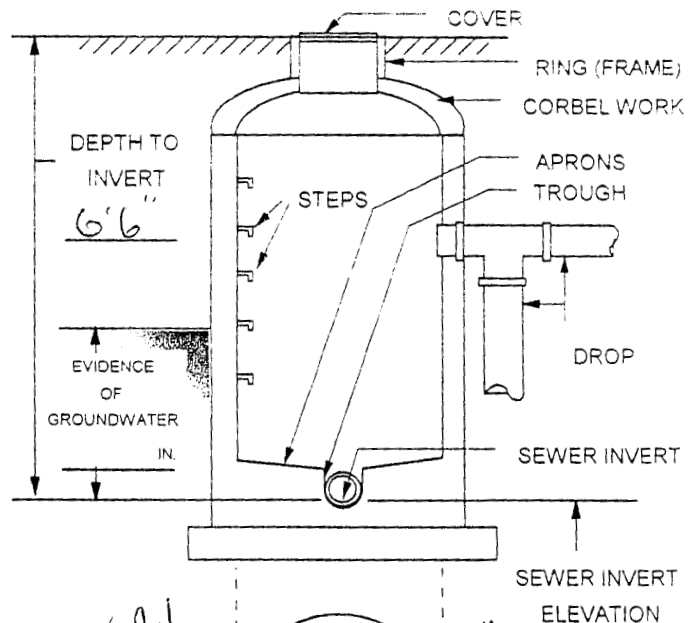
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [  ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [  ] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	MH <u>SC</u>	MH <u>SE</u>	MH	MH	MH <u>BW-20</u>
	DROP [ <input checked="" type="checkbox"/> ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	<u>VCP</u>	<u>CI</u>			<u>VCP</u>
DIAMETER	<u>6"</u> IN.	<u>6"</u> IN.	IN.	IN.	<u>8"</u> IN.
DEPTH	<u>4 FT. 4</u> IN.	<u>3 FT.</u> IN.	FT. IN.	FT. IN.	<u>6 FT. 6</u> IN.
REMARKS:					

USE BACK OF SHEET FOR ADDED INFORMATION:

MANHOLE INVESTIGATION FORM

JOB # 04-06-01 INVESTIGATOR STRUBLE DATE 6-18-01

MANHOLE # \_\_\_\_\_ MINI SYSTEM BW STREET [  ] EASEMENT [  ]

LOCATION 557 TIERRA VERDE WEATHER clear

MANHOLE COVER: O.D. 22 3/4 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [  ] LOOSE [  ] BROKEN [  ] SEALED [  ]

NUMBER OF HOLES 2 SIZE 1/2 IN.

OPEN [  ] CLOSED [  ]

MANHOLE FRAME: I.D.: 21 IN. O.D.: 23 IN.

CONDITION: SOUND [  ] BROKEN [  ] LOOSE [  ]

GRADE: AT [  ] ABOVE [  ] BELOW [  ] \_\_\_\_\_ IN.

OFFSET: NO [  ] YES [  ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [  ] PRECAST [  ] OTHER [  ]

CONDITION: GOOD [  ] DETERIORATING [  ]

LIGHT [  ] MEDIUM [  ] HEAVY [  ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [  ] POOR [  ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# \_\_\_\_\_)

NO [  ] YES [  ] GOOD [  ] POOR [  ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [  ] NO [  ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [  ] NO [  ]

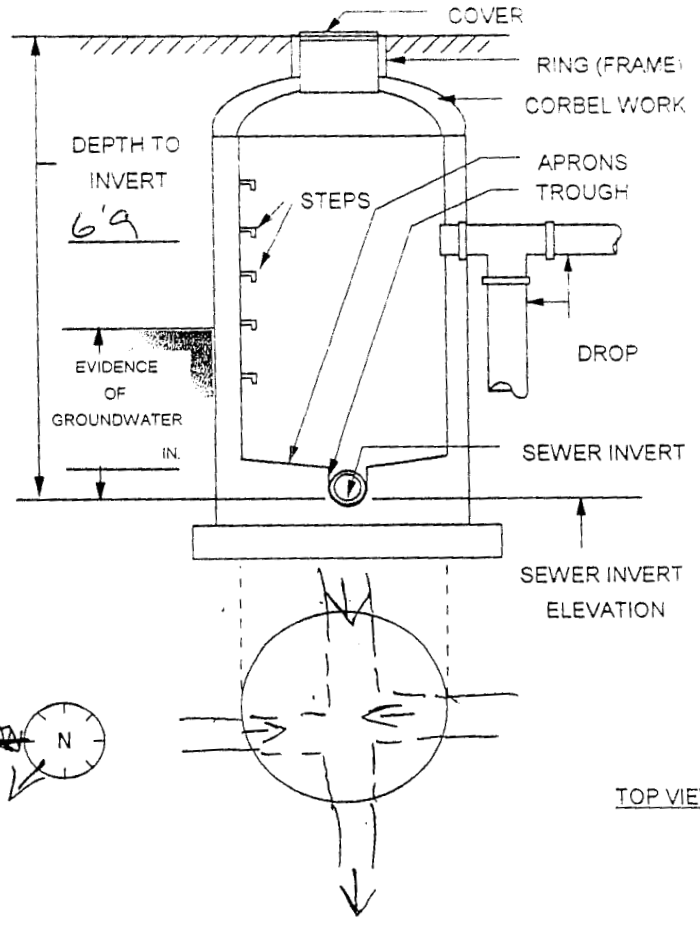
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [  ] NO [  ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [  ] NO [  ] PAST [  ] PRESENT [  ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				OUTGOING
	NE	SE	SW		NW
	MH	MH	MH	MH	MH <u>BW-7</u>
	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]	DROP [ ]
TYPE	<u>PVC</u>	<u>PVC</u>	<u>PVC</u>		<u>PVC</u>
DIAMETER	<u>8</u> IN.	<u>8</u> IN.	<u>8</u> IN.		<u>8</u> IN.
DEPTH	<u>6 FT. 9</u> IN.	<u>6 FT. 9</u> IN.	<u>6 FT. 9</u> IN.		<u>6 FT. 9</u> IN.
REMARKS:					



# Tierra Verde / Utilities, Inc.

Utility System Service

JOB # 04-06-01 INVESTIGATOR STRUBIE DATE 6-18-04

MANHOLE # A-3 MINI SYSTEM A STREET [ ] EASEMENT [ ]

LOCATION MONTE CRISTO BLVD & 4TH ST. W. WEATHER Clear

MANHOLE COVER: O.D. 22 1/2 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [ ] LOOSE [] BROKEN [ ] SEALED [ ]

NUMBER OF HOLES 1 SIZE 1 IN.

OPEN [] CLOSED [ ]

MANHOLE FRAME: I.D.: 21 1/8 IN. O.D.: 22 3/4 IN.

CONDITION: SOUND [ ] BROKEN [] **LOOSE** [ ]

GRADE: AT [ ] ABOVE [] BELOW [ ] \_\_\_\_\_ IN.

OFFSET: NO [] YES [ ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [ ] PRECAST [] OTHER [ ]

CONDITION: GOOD [ ] DETERIORATING []

LIGHT [ ] MEDIUM [] HEAVY [ ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [] POOR [ ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# \_\_\_\_\_)

NO [ ] YES [ ] GOOD [ ] POOR [ ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [ ] NO [ ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [ ] NO []

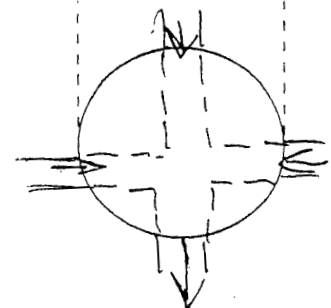
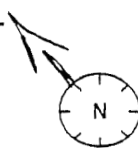
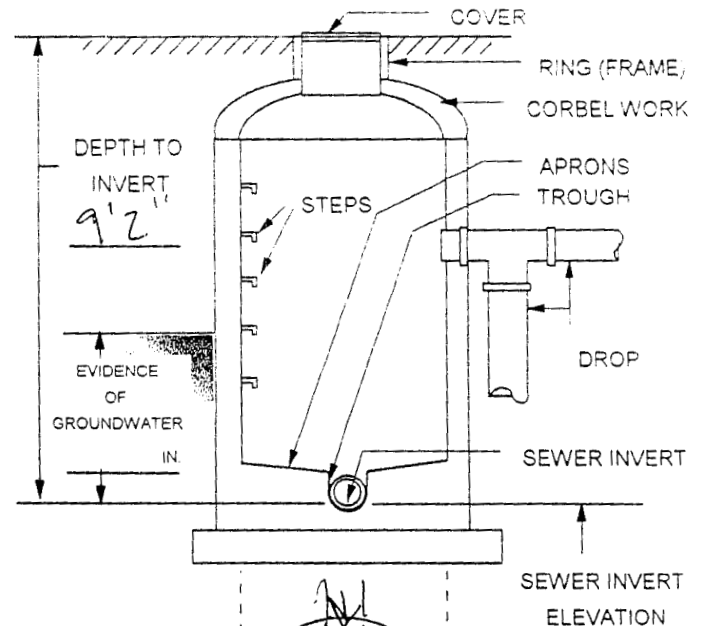
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [ ] NO [] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [ ] NO [] PAST [ ] PRESENT [ ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	NE INCOMING LINES				SW OUTGOING
	MH <u>A-410</u>	MH	MH	MH	MH
	DROP [ ]	DROP [ ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ <del> </del> ]	DROP [ ]
TYPE	<u>PVC</u>	<u>VCP</u>	<u>VCP</u>		<u>VCP</u>
DIAMETER	<u>8</u> IN.	<u>8</u> IN.	<u>8</u> IN.		<u>8</u> IN.
DEPTH	<u>9 FT. 2</u> IN.	<u>9 FT. 2</u> IN.	<u>7 FT.</u> IN.	<del> </del> FT. IN.	<u>9 FT. 2</u> IN.
REMARKS					

USE BACK OF SHEET FOR ADDED INFORMATION:

MANHOLE INVESTIGATION FORM

JOB # 04-06-01 INVESTIGATOR Stubble DATE 6-18-04

MANHOLE # A-40 MINI SYSTEM A STREET [  ] EASEMENT [  ]

LOCATION 8<sup>TH</sup> AVE N. & 4<sup>TH</sup> ST W. WEATHER clear

MANHOLE COVER: O.D. 22 3/4 IN.

CONDITION OF FIT: \_\_\_\_\_

GOOD [  ] LOOSE [  ] BROKEN [  ] SEALED [  ]

NUMBER OF HOLES 1 SIZE 1/2 IN.

OPEN [  ] CLOSED [  ]

MANHOLE FRAME: I.D.: 21 IN. O.D.: 23 IN.

CONDITION: SOUND [  ] BROKEN [  ] LOOSE [  ]

GRADE: AT [  ] ABOVE [  ] BELOW [  ] \_\_\_\_\_ IN.

OFFSET: NO [  ] YES [  ] \_\_\_\_\_ IN.

CORBEL AND WALLS: OTHER: \_\_\_\_\_

CONSTRUCTION: BRICK [  ] PRECAST [  ] OTHER [  ]

CONDITION: GOOD [  ] DETERIORATING [  ]

LIGHT [  ] MEDIUM [  ] HEAVY [  ]

APRON AND TROUGH: \_\_\_\_\_

CONDITION: GOOD [  ] POOR [  ] \_\_\_\_\_

REMARKS: \_\_\_\_\_

DEPOSITION: TYPE \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

STEPS: (# \_\_\_\_\_)

NO [  ] YES [  ] GOOD [  ] POOR [  ]

INFLOW: \_\_\_\_\_

EVIDENCE OF YES [  ] NO [  ]

LOCATION \_\_\_\_\_

IS MANHOLE IN A DEPRESSED AREA? YES [  ] NO [  ]

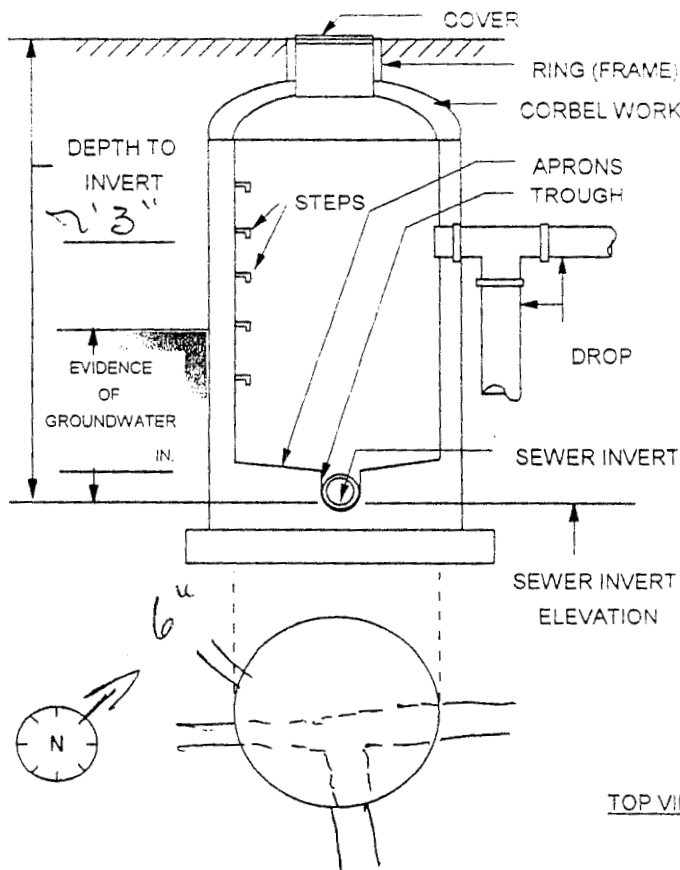
DESCRIBE LOCATION \_\_\_\_\_ DEPTH \_\_\_\_\_ IN.

POTENTIAL AREA DRAINED (FT. X FT.) \_\_\_\_\_

INFILTRATION: YES [  ] NO [  ] RATE (GPM): \_\_\_\_\_

LOCATION \_\_\_\_\_

SURCHARGING: YES [  ] NO [  ] PAST [  ] PRESENT [  ] DEPTH \_\_\_\_\_ IN.



TOP VIEW

PIPE DATA	INCOMING LINES				SE OUTGOING
	SW	W			
	MH	MH	MH	MH	MH A-3
	DROP [ <input checked="" type="checkbox"/> ]	DROP [ <input checked="" type="checkbox"/> ]	DROP [ <input type="checkbox"/> ]	DROP [ <input type="checkbox"/> ]	DROP [ <input type="checkbox"/> ]
TYPE	VCP	PVC	VCP		PVC
DIAMETER	8 IN.	6 IN.	8 IN.	IN.	8 IN.
DEPTH	5 FT. 10 IN.	3 FT. 2 IN.	FT. IN.	FT. IN.	7 FT. 3 IN.
REMARKS					

# ***Television Investigation***



**Tierra Verde / Utilities, Inc.**  
Pinellas County, Florida

**CLOSED-CIRCUIT TELEVISED OBSERVATIONS  
REHABILITATION TECHNIQUE SELECTION TABLE**

Prepared By: ALTAIR Environmental Group  
Date: June 2004

<b>MH FROM</b>	<b>MH TO</b>	<b>Line Segment Information</b>		<b>MH FROM</b>	<b>Footage</b>	<b>Qty.</b>	<b>CLOSED-CIRCUIT TELEVISED OBSERVATIONS</b>	<b>Infiltration G.P.M.</b>	<b>REHABILITATION TECHNIQUE / DESCRIPTION</b>	<b>REHAB COST</b>
BW-6	BW-7	PIPE TYPE	VCP	BW-6	0'		Manhole # BW-6			
		PIPE SIZE	15"							
		PIPE LENGTH	401'		401'		Manhole # BW-7			
Video Tape #1		JOINT LENGTH	5'							
		PIPE DEPTH (from MH)	7'							
		LOCATION	Easement							
		Pinellas Bay Way Drive							Total	
BW-7	BW-8	PIPE TYPE	VCP	BW-7	0'		Manhole # BW-7			
		PIPE SIZE	15"							
		PIPE LENGTH	340'		340'		Manhole # BW-8			
Video Tape #1		JOINT LENGTH	5'							
		PIPE DEPTH (from MH)								
		LOCATION	Easement							
		Pinellas Bay Way Drive							Total	
BW-9	BW-8	PIPE TYPE	VCP	BW-9	0'		Manhole # BW-9			
		PIPE SIZE	18"							
		PIPE LENGTH	126'		126'		Manhole # BW-8			
Video Tape #1		JOINT LENGTH	5'							
		PIPE DEPTH (from MH)	9' 2"							
		LOCATION	Easement							
		Pinellas Bay Way Drive							Total	
BW-9	BW-10	PIPE TYPE	VCP	BW-9	0'		Manhole # BW-9			
		PIPE SIZE	18"							
		PIPE LENGTH	213'		213'		Manhole # BW-10			
Video Tape #1		JOINT LENGTH	5'							
		PIPE DEPTH (from MH)	9' 2"							
		LOCATION	Easement							
		Pinellas Bay Way Drive							Total	
BW-10	BW-11	PIPE TYPE	VCP	BW-10	0'		Manhole # BW-10			
		PIPE SIZE	18"							
		PIPE LENGTH	477'		477'		Manhole # BW-11			
Video Tape #1		JOINT LENGTH	5'							
		PIPE DEPTH (from MH)								
		LOCATION	Easement							
		Pinellas Bay Way Drive							Total	



**Tierra Verde / Utilities, Inc.**  
Pinellas County, Florida

**CLOSED-CIRCUIT TELEVISED OBSERVATIONS  
REHABILITATION TECHNIQUE SELECTION TABLE**

Prepared By: ALTAIR Environmental Group  
Date: June 2004

MH FROM	MH TO	Line Segment Information	MH FROM	Footage	Qty.	CLOSED-CIRCUIT TELEVISED OBSERVATIONS	Infiltration G.P.M.	REHABILITATION TECHNIQUE / DESECRPTION	REHAB COST
BW-11	BW-12	PIPE TYPE VCP PIPE SIZE 18" PIPE LENGTH 358' JOINT LENGTH 5' PIPE DEPTH (from MH) 11'7" LOCATION Easement Pinellas Bay Way Drive	BW-11	0 358'		Manhole #BW-11 Manhole #BW-12			Total
BW-12	BW-13	PIPE TYPE VCP PIPE SIZE 18" PIPE LENGTH 382' JOINT LENGTH 5' PIPE DEPTH (from MH) LOCATION Easement Pinellas Bay Way Drive	BW-12	0 250' 382'	1	Manhole #BW-12 Break in Service Connection, 6" PVC Manhole #BW-13			Total
BW-13	BW-14	PIPE TYPE VCP PIPE SIZE 18" PIPE LENGTH 383' JOINT LENGTH 5' PIPE DEPTH (from MH) 11'4" LOCATION Easement Pinellas Bay Way Drive	BW-13	0 383'		Manhole #BW-13 Manhole #BW-14			Total
BW-14	BW-15	PIPE TYPE VCP PIPE SIZE 18" PIPE LENGTH 386' JOINT LENGTH 5' PIPE DEPTH (from MH) LOCATION Easement Pinellas Bay Way Drive	BW-14	0 386'		Manhole #BW-14 Manhole #BW-15			Total
BW-15	BW-16	PIPE TYPE VCP PIPE SIZE 18" PIPE LENGTH 360' JOINT LENGTH 5' PIPE DEPTH (from MH) 9'11" LOCATION Easement Pinellas Bay Way Drive/12th Street West	BW-15	0 360'		Manhole #BW-15 Manhole #BW-16			Total

**Tierra Verde / Utilities, Inc.**  
Pinellas County, Florida

**CLOSED-CIRCUIT TELEVISED OBSERVATIONS  
REHABILITATION TECHNIQUE SELECTION TABLE**

Prepared By: ALTAIR Environmental Group  
Date: June 2004

MH FROM	MH TO	Line Segment Information		MH FROM	Footage	Qty.	CLOSED-CIRCUIT TELEVISED OBSERVATIONS	Infiltration G.P.M.	REHABILITATION TECHNIQUE / DESCRIPTION	REHAB COST
BW-16	BW-17	PIPE TYPE	VCP	BW-16	0		Manhole #BW-16		<b>Chemical Grout Service Connection</b>	
		PIPE SIZE	18"							
		PIPE LENGTH	339'		179'		Break in Service Connection, 6" VCP, Leaking	3		
Video Tape #2		JOINT LENGTH	5'							
		PIPE DEPTH (from MH)			339'		Manhole #BW-17			
		LOCATION	Easement						Total	
		Pinellas Bay Way Drive								
BW-17	BW-18	PIPE TYPE	VCP	BW-17	0		Manhole #BW-17		<b>Chemical Grout Service Connection</b>	
		PIPE SIZE	18"		38'	1	Break in Service Connection, 6" VCP			
		PIPE LENGTH	331'		187'	1	Break in Service Connection, 6" VCP			
Video Tape #2		JOINT LENGTH	5'		253'	1	Break in Service Connection, 6" VCP, Leaking	0.25		
		PIPE DEPTH (from MH)	12'		306' to 330'	1	Sag or Dip in Pipe, CAMERA Underwater			
		LOCATION	Easement		331'		Manhole #BW-18		Total	
		Pinellas Bay Way Drive / 13th Street								
#557	#650	PIPE TYPE	VCP	#557	0		Manhole #557			
		PIPE SIZE	10"		30' to 48'	1	Sag or Dip in Pipe, 2" Water			
		PIPE LENGTH	181'		140' to 155'	1	Sag or Dip in Pipe, 2" Water			
Video Tape #2		JOINT LENGTH	5'		181'		Manhole #650			
		PIPE DEPTH (from MH)	6'9"							
		LOCATION	Easement						Total	
		Pinellas Bay Way Drive								
		From #557 Ciega Verde Condos to #650 Villagio Condos								
BW-21	BW-20	PIPE TYPE	VCP	BW-21	0		Manhole #BW-21		<b>Insitu-Point Repair</b>	
		PIPE SIZE	10"		8'	1	Joint Offset 3/4"			
		PIPE LENGTH	74'		29' to 72'	1	Sag or Dip in Pipe			
Video Tape #2		JOINT LENGTH	5'		29'		1" Water			
		PIPE DEPTH (from MH)	6'8"		36'		2" Water			
		LOCATION	Easement		67'		Service Connection, 6" VCP, Capped Off		Total	\$ 2,400.00
		13th Street East			74'		Manhole #BW-20			
BW-20	BW-19	PIPE TYPE	VCP	BW-20	0		Manhole #BW-20		<b>Insitu-Point Repair</b>	
		PIPE SIZE	10"		2'	1	Radial Crack in Pipe, full circumference			
		PIPE LENGTH	250'			1	Also Joint is Offset 1/2"			
Video Tape #2		JOINT LENGTH	5'		84'		Service Connection, 6" VCP, Capped Off			
		PIPE DEPTH (from MH)	7'2"		221'		Service Connection, 6" VCP, Capped Off			
		LOCATION	Easement		244' to 246'	1	Longitudinal Crack in Pipe, 2' long with Mineral Stains		Total	\$ 4,800.00
		13th Street East			245'	1	Radial Crack in Pipe, full circumference			
					250'		Manhole #BW-19			

**Tierra Verde / Utilities, Inc.**  
Pinellas County, Florida

**CLOSED-CIRCUIT TELEVISED OBSERVATIONS  
REHABILITATION TECHNIQUE SELECTION TABLE**

Prepared By: ALTAIR Environmental Group  
Date: June 2004

MH FROM	MH TO	Line Segment Information	MH FROM	Footage	Qty.	CLOSED-CIRCUIT TELEVISED OBSERVATIONS	Infiltration G.P.M.	REHABILITATION TECHNIQUE / DESCRIPTION	REHAB COST
BW-19	BW-17	PIPE TYPE VCP PIPE SIZE 10' PIPE LENGTH 193' JOINT LENGTH 5' PIPE DEPTH (from MH) LOCATION Easement 13th Street East	BW-19	0 3' 11' to 15' 15' 17' 153' 168' 176' to Drop 178' to 184'  182' 189' 190' to 193' 193'		Manhole #BW-19 Radial Crack in Pipe at Joint, 1/4 circumference Radial Crack in Pipe at Joint, full circumference Also, Longitudinal Crack in Pipe, 4' long Radial Crack in Pipe at Joint, Leaking with Mineral Stains Radial Crack in Pipe with Mineral Stains Joint with Light Root Intrusion Joint with Light Root Intrusion Sag or Dip in Pipe, 1" Water Longitudinal Crack in Pipe, 6' long and Leaking Also with Mineral Stains CAMERA Underwater Outside Drop to manhole 10" PVC, 3' long Manhole #BW-17	2          0.5	Insitu-Point Repair  Insitu-Point Repair  Chemical Grout Joints	Total \$ 6,800.00
		PIPE TYPE PIPE SIZE PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) LOCATION						Total	
		PIPE TYPE PIPE SIZE PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) LOCATION						Total	
		PIPE TYPE PIPE SIZE PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) LOCATION						Total	

**Tierra Verde / Utilities, Inc.**  
Pinellas County, Florida

**CLOSED-CIRCUIT TELEVISED OBSERVATIONS  
REHABILITATION TECHNIQUE SELECTION TABLE**

Prepared By: ALTAIR Environmental Group  
Date: June 2004

MH FROM	MH TO	Line Segment Information	MH FROM	Footage	City	CLOSED-CIRCUIT TELEVISED OBSERVATIONS	Infiltration G.P.M.	REHABILITATION TECHNIQUE / DESCRIPTION	REHAB COST
A-40	A-3	PIPE TYPE Lined PIPE SIZE 8" PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) 7' 2" LOCATION Easement 4th Street West	A-40	0' 31'		<b>Manhole # A-40</b> Camera cannot go any further due to bubbles in liner constricting the Flow.			
			A-3	0' 16'		<b>REVERSE SET-UP</b> <b>Manhole # A-3</b> Camera cannot go any further due to bubbles in liner constricting the Flow.		Total	
		PIPE TYPE PIPE SIZE PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) LOCATION						Total	
		PIPE TYPE PIPE SIZE PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) LOCATION						Total	
		PIPE TYPE PIPE SIZE PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) LOCATION						Total	
		PIPE TYPE PIPE SIZE PIPE LENGTH JOINT LENGTH PIPE DEPTH (from MH) LOCATION						Total	

**Sub-Total \$ 17,600.00**











TELEVISION INSPECTION AND WORK REPORT

CLIENT: UTILITIES INC. JOB # 04-06-C1 DATE 06/01/04 PAGE 1 OF 2

SECTION ON: PINELLAS BAYWAY DRIVE FROM MANHOLE: BW-4 TO MANHOLE: BW-5

Altair Rep: C. STABENE

Total Jts Tested \_\_\_\_\_

Total Jts Sealed \_\_\_\_\_

Type of Pipe VCP Diam. 15"

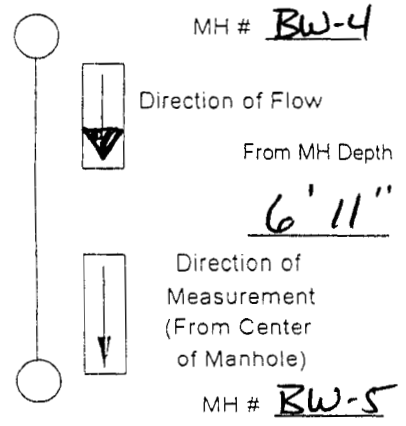
Type of Jt. \_\_\_\_\_ Spacing 5'

Section-Length 202

Reverse Set Up  Yes  No

Tape # 1 Start 0:45  
Finish 0:59 →

Ref No	Footage	Remarks	Leaks GPM	Clock Ref	Photo Inc
	0	START INSPECTION @ MH # BW-4			
	196	END OF VCP START CIP			
	202	CAMERA CANNOT GO ANY FURTHER DUE TO BUILD-UP IN CAST IRON PIPE.			
		WILL SET-UP FOR A REVERSAL			
*		THIS CAST IRON PIPE IS A CONFLICTING MANHOLE # BW-5			



Special Notes  
\* CONFLICTING MANHOLE

**TELEVISION INSPECTION AND WORK REPORT**

CLIENT UTILITIES INC.

JOB # 04-06-01 DATE 06/01/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAY WAY DRIVE

FROM MANHOLE: BW-6

TO MANHOLE: BW-5

Altair Rep: C. STABENE

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

Type of Pipe VCP Diam. 15"

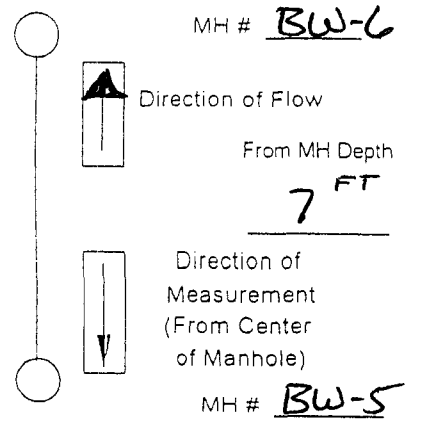
Type of Jt. \_\_\_\_\_ Spacing 5'

Section-Length 182 FT

Reverse Set Up  Yes  No

Tape # 1 Start 0:59  
Finish 1:07

Ref No	Footage	Remarks	Leaks GPM	Clock Ref	Photo No
	0	START INSPECTION @ MH#BW-6			
	91	BISC 6" <sup>PVC</sup> <del>PEP</del> / HVY GREASE / LEAK	1/4	12	
	182	END OF VCP START CIP.			
		CAMERA CANNOT GO ANY FURTHER			
		DUE TO BUILD-UP OF MINERALS			
		END OF INSPECTION @			
		CONFLICTING MH#BW-5			



Special Notes

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TELEVISION INSPECTION AND WORK REPORT

BY UTILITIES INC. JOB # 04-06-01 DATE 06/01/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAY WAY DRIVE FROM MANHOLE: BW-6 TO MANHOLE: BW-7

Altair Rep: C. STABENE

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

Type of Pipe VCP Diam. 15"

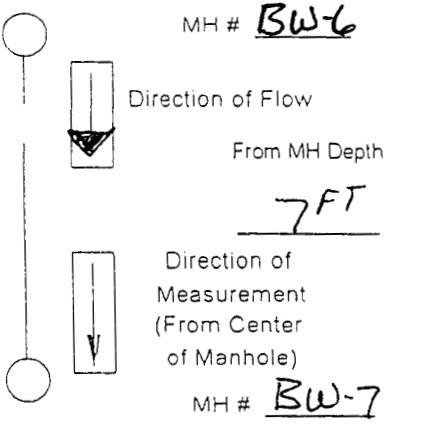
Type of Jt. \_\_\_\_\_ Spacing 5 FT

Section Length 401 FT

Reverse Set Up  Yes  No

Tape # 1 Start 1:07  
Finish 1:16

Ref. No.	Footage	Remarks	Leaks GPM	Clock Ref	Photo No.
	0	START INSPECTION @ MH#BW-6			
	401	END OF INSPECTION @ MH#BW-7			



Special Notes \_\_\_\_\_

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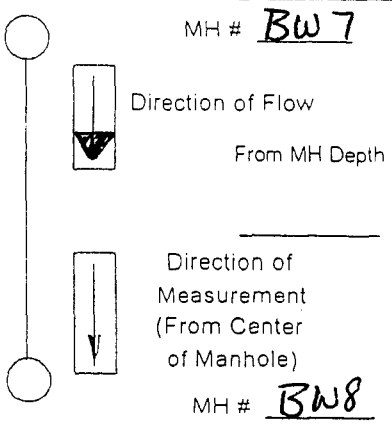
TELEVISION INSPECTION AND WORK REPORT

ENT UTILITIES INC. JOB # 04-06-01 DATE 06/01/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAYWAY DRIVE FROM MANHOLE: BW-7 TO MANHOLE: BW-8

Altair Rep. C. STABENO

Total Jts. Tested \_\_\_\_\_  
 Total Jts. Sealed \_\_\_\_\_  
 Type of Pipe VCP Diam. 15"  
 Type of Jt. \_\_\_\_\_ Spacing 5 FT  
 Section-Length 340 FT  
 Reverse Set Up [ ] Yes [ ] No  
 Tape # 1 Start 1:16  
 Finish 1:26



Ref No	Footage	Remarks	Leaks GPM	Clock Ref	Photo No
	<u>0</u>	<u>START INSPECTION @ MHH BW-7</u>			
	<u>340</u>	<u>END OF INSPECTION @ MH # BW-8</u>			

Special Notes



TIERRA VERDE

Utility System Services

TELEVISION INSPECTION AND WORK REPORT

ENT UTILITIES INC. JOB # 04-06-01 DATE 06/01/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAY WAY DRIVE FROM MANHOLE: BW-9 TO MANHOLE: BW-8

Altair Rep C. STABELUX

Total Fts. Tested

Total Fts. Sealed

Type of Pipe VCP Diam. 18"

Type of Jt. Spacing 5'

Section-Length 126'

Reverse Set Up [ ] Yes [ ] No

Tape # 1 Start 1:26 Finish 1:31

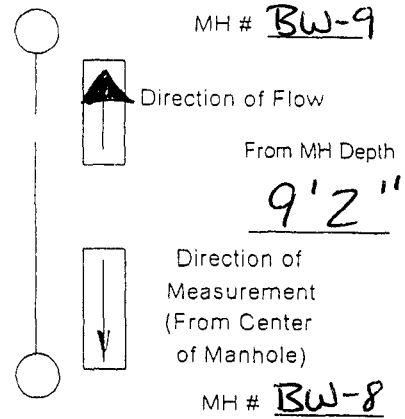


Table with 6 columns: Ref. No., Footage, Remarks, Leaks GPM, Clock Ref, Photo No. Contains handwritten entries: 0 START INSPECTION @ MH# BW-9, 126 END OF INSPECTION @ MH# BW-8

Special Notes

ACCEPTANCE OF WORK COMPLETED

SIGNATURE INSPECTOR

DATE

TELEVISION INSPECTION AND WORK REPORT

CLIENT: UTILITIES INC. JOB # 04-06-01 DATE 06/01/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAY WAY DRIVE FROM MANHOLE: BW-9 TO MANHOLE: BW-10

Inspector Ref: C. STABENE

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

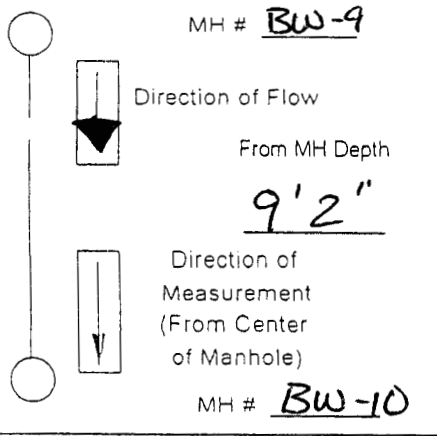
Type of Pipe VCP Diam. 18"

Type of Jt. \_\_\_\_\_ Spacing 5'

Section Length 213

Reverse Set Up  Yes  No

Tape # 1 Start 1:31  
Finish 1:37



Special Notes

Ref No	Footage	Remarks	Leaks GPM	Clock Ref.	Photo No.
	<u>0</u>	<u>START INSPECTION @ MH# BW-9</u>			
	<u>213</u>	<u>END OF INSPECTION @ MH# BW-10</u>			

TELEVISION INSPECTION AND WORK REPORT

BY UTILITIES INC.

JOB # 04-06-01 DATE 06/01/04 PAGE 1 OF

SECTION ON: PINELLAS BAY WAY

FROM MANHOLE: BW-10

TO MANHOLE: BW-11

Altair Rep: C. STABENE

Total Jts. Tested

Total Jts. Sealed

Type of Pipe: VCP Diam. 18"

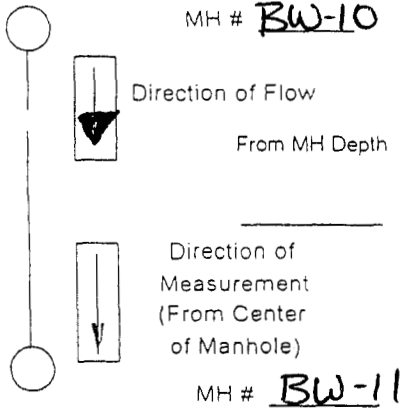
Type of Jt. Spacing 5'

Section Length 477'

Reverse Set Up [ ] Yes [ ] No

Tape # 1 Start 1:37  
Finish 1:49

Ref. No.	Footage	Remarks	Leaks GPM	Clock Ref	Photo No.
	0	START INSPECTION @ MH# BW-10			
	477	END OF INSPECTION @ MH# BW-11			



Special Notes

TELEVISION INSPECTION AND WORK REPORT

CLIENT UTILITIES INC. JOB # 04-06-01 DATE 06/02/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAY WAY DRIVE FROM MANHOLE: BW-11 TO MANHOLE: BW-12

Altair Rep: C. STARENX

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

Type of Pipe UCP Diam. 18"

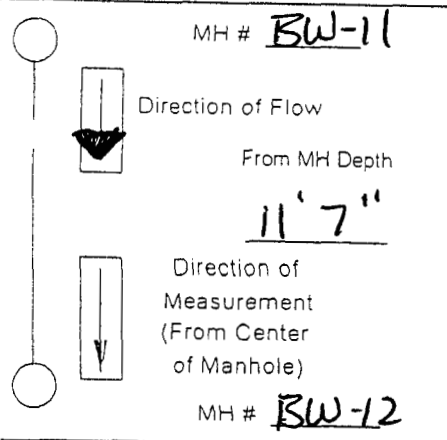
Type of Jt. \_\_\_\_\_ Spacing 5'

Section-Length 358'

Reverse Set Up [ ] Yes [ ] No

Tape # 2 Start 0:00  
Finish 0:09

Ref. No.	Footage	Remarks	Leaks GPM	Clock Ref.	Photo No.
	0	START INSPECTION @ MH# BW-11			
	358	END OF INSPECTION @ MH# BW-12			



Special Notes \_\_\_\_\_





TELEVISION INSPECTION AND WORK REPORT

CLIENT UTILITIES INC.

JOB # 04-06-01 DATE 06/02/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAY WAY DRIVE

FROM MANHOLE: BW-12

TO MANHOLE: BW-13

Altair Rep: C. STABENE

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

Type of Pipe VCP Diam. 18"

Type of Jt. \_\_\_\_\_ Spacing 5'

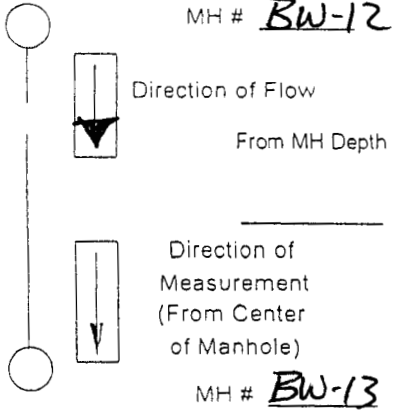
Section-Length 382

Reverse Set Up [ ] Yes [ ] No

Tape # 2 Start 0:09

Finish 0:20

Ref. No.	Footage	Remarks	Leaks GPM	Clock Ref	Photo No.
	<u>0</u>	<u>START INSPECTION @ MH # BW-12</u>			
	<u>250</u>	<u>BISC 6" PVC</u>		<u>1</u>	
	<u>382</u>	<u>END OF INSPECTION @ MH # BW-13</u>			



Special Notes \_\_\_\_\_



TELEVISION INSPECTION AND WORK REPORT

CLIENT: UTILITIES INC. JOB # 04-06-01 DATE 06/02/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAYWAY DRIVE FROM MANHOLE: BW-14 TO MANHOLE: BW-15

Altair Rep: C. STABELUXE

Total Fts. Tested: \_\_\_\_\_

Total Fts. Sealed: \_\_\_\_\_

Type of Pipe: VCP Diam. 18"

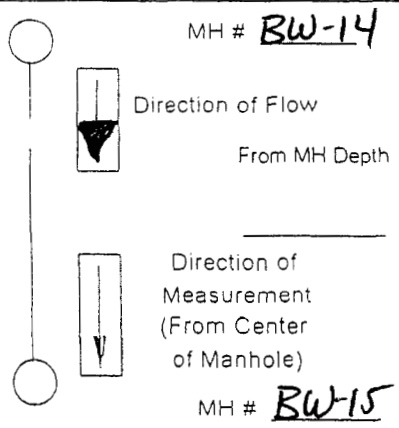
Type of Jt: \_\_\_\_\_ Spacing 5'

Section-Length: 386 FT

Reverse Set Up  Yes  No

Tape # 2 Start 0:29  
Finish 0:39

Ref No	Footage	Remarks	Leak GPM	Clock Ref	Photo No
	<u>0</u>	<u>START INSPECTION @ MH#BW-14</u>			
	<u>386</u>	<u>END OF INSPECTION @ MH#BW-15</u>			



Special Notes

TELEVISION INSPECTION AND WORK REPORT

BY UTILITIES INC. JOB # 04-06-01 DATE 06/02/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAYWAY DRIVE/12ST.W. FROM MANHOLE: BW-15 TO MANHOLE: BW-16

Attn: Rep C. STABENE

Total Lts. Tested \_\_\_\_\_

Total Lts. Sealed \_\_\_\_\_

Type of Pipe VCP Diam. 18"

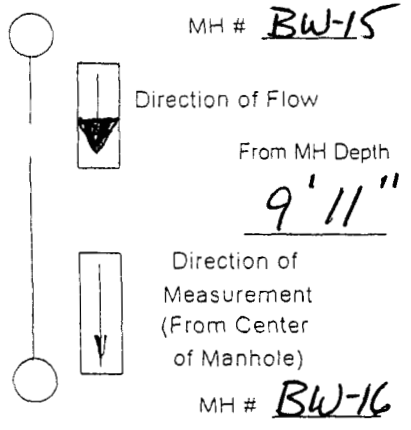
Type of Jt. \_\_\_\_\_ Spacing 5'

Section-Length 360 FT

Reverse Set Up  Yes  No

Tape # 2 Start 0:39  
Finish 0:48

Ref No.	Footage	Remarks	Leaks GPM	Clock Ref	Photo No.
	<u>0</u>	<u>START INSPECTION @ MH#BW-15</u>			
	<u>360</u>	<u>END OF INSPECTION @ MH#BW-16</u>			



Special Notes

TELEVISION INSPECTION AND WORK REPORT

CLIENT: UTILITIES INC. JOB # 04-06-01 DATE 06/02/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAY WAY DRIVE FROM MANHOLE: BW-16 TO MANHOLE: BW-17

Contractor: C STABENE

Total Fts. Tested \_\_\_\_\_

Total Fts. Sealed \_\_\_\_\_

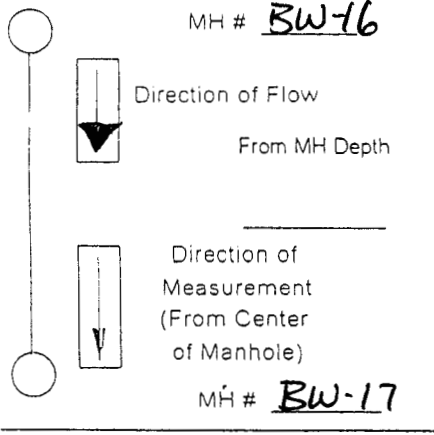
Type of Pipe VCP Diam. 18"

Type of Jt. \_\_\_\_\_ Spacing 5'

Section-Length 339 FT

Reverse Set Up  Yes  No

Tape # 2 Start 0:48  
Finish 0:58



Ref No	Footage	Remarks	Leaks GPM	Clock Ref	Photo No
	0	START INSPECTION @ MH# BW-16			
	179	BISC 6" VCP / LEAKING	1	12	
	339	END OF INSPECTION @ MH# BW-17			

Special Notes

TELEVISION INSPECTION AND WORK REPORT

CLIENT UTILITIES INC JOB # 04-06-01 DATE 06/02/04 PAGE 1 OF 1

SECTION ON: PINELLAS BAYWAY DRIVE / 13TH ST FROM MANHOLE: BW-17 TO MANHOLE: BW-18  
N. OF LIFT STATION

Altair Rep. C STABENE

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

Type of Pipe ~~HDPE~~ PVC Diam. 18"

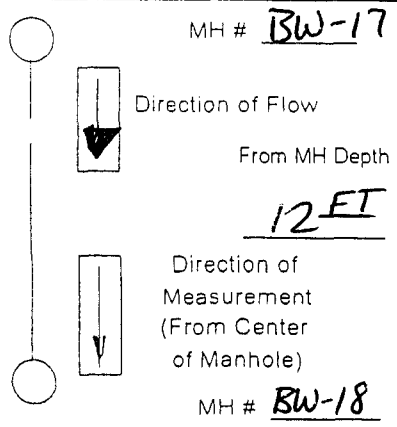
Type of Jt. \_\_\_\_\_ Spacing 13'

Section-Length 331 FT

Reverse Set Up [ ] Yes [ ] No

Tape # 2 Start 0:58  
Finish 1:09

Ref No.	Footage	Remarks	Leaks GPM	Clock Ref	Photo No.
	0	START INSPECTION @ MH# BW-17			
	38	BISC 6" PVC		11	
	187	BISC 6" PVC		1	
	253	BISC 6" PVC / LEAKING	2 1/4	11	
	306	CAMERA UNDER WATER			
	330	CAMERA OUT OF WATER			
	331	END INSPECTION @ MH# BW-18			



Special Notes



TIERRA VERDE

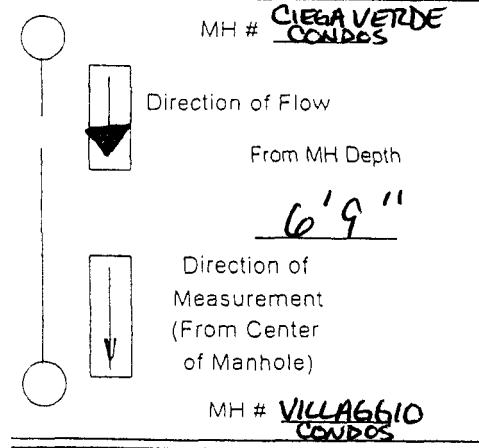
Utility System Services

### TELEVISION INSPECTION AND WORK REPORT

CLIENT: UTILITIES INC. JOB #: 04-06-01 DATE: 06/02/04 PAGE: 1 OF 1  
 SECTION ON: PINELLAS BAYWAY DRIVE FROM MANHOLE: 557 CIEGA VERDE CONDOS TO MANHOLE: VILLAGGIO CONDOS #457

Altair Rep: C. STABENE  
 Total Jts. Tested: \_\_\_\_\_  
 Total Jts. Sealed: \_\_\_\_\_  
 Type of Pipe: VCP Diam. 10"  
 Type of Jt. \_\_\_\_\_ Spacing 5'  
 Section Length: 181'  
 Reverse Set Up [ ] Yes [ ] No  
 Tape # 2 Start 1:09  
 Finish 1:16

Ref No	Footage	Remarks	Leaks GPM	Clock Ref.	Photo No.
	0	START INSPECTION			
	30	BEGIN SAG 2"			
	48	END SAG			
	140	BEGIN SAG 2"			
	155	END SAG			
	181	END OF INSPECTION			



Special Notes

ACCEPTANCE OF WORK COMPLETED \_\_\_\_\_ SIGNATURE INSPECTOR \_\_\_\_\_ DATE \_\_\_\_\_

TELEVISION INSPECTION AND WORK REPORT

BY UTILITIES INC. JOB # 04-06-01 DATE 06/03/04 PAGE 1 OF 1

SECTION ON: 13TH ST. EAST FROM MANHOLE: BW-21 TO MANHOLE: BW-20

Inspector C. STABENE

Total Cts. Tested \_\_\_\_\_

Total Cts. Sealed \_\_\_\_\_

Type of Pipe VCP Diam. 10"

Type of Jt. \_\_\_\_\_ Spacing 5' EI

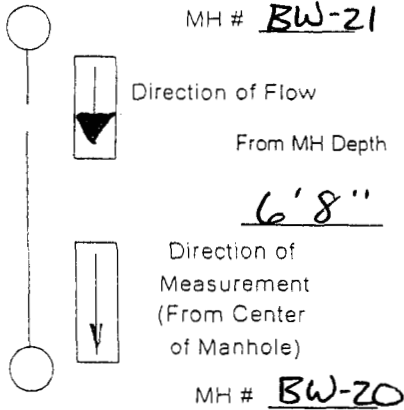
Section-Length 74'

Reverse Set Up  Yes  No

Tape # 2 Start 1:16

Finish 1:21

Ref. No.	Footage	Remarks	Leaks GPM	Clock Ref.	Photo No.
	0	START INSPECTION @ MH# BW-21			
	8	OFFSET JOINT 3/4"		3	
	29	BEGIN SAG 1"			
	36	SAG 2"			
	67	SC 8" VCP/CAPPED		8-11	
	72	END SAG			
	74	END INSPECTION @ MH# BW-20			



Special Notes



## TELEVISION INSPECTION AND WORK REPORT

BY: UTILITIES INC. JOB # 04-06-01 DATE 06/03/04 PAGE 1 OF 1

SECTION ON: 13TH ST. EAST FROM MANHOLE: BW-20 TO MANHOLE: BW-19

Altair Rep: C. STABENE

Total Fts. Tested: \_\_\_\_\_

Total Fts. Sealed: \_\_\_\_\_

Type of Pipe: VCP Diam. 10"

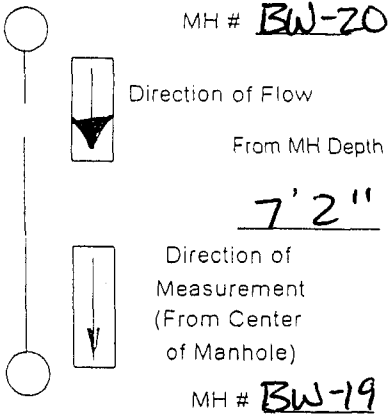
Type of Jt. \_\_\_\_\_ Spacing 5'

Section-Length: 250 FT

Reverse Set Up  Yes  No

Tape # 2 Start 1:21  
Finish 1:38

Ref No	Footage	Remarks	Leaks GPM	Clock Ref	Photo No
	0	START INSPECTION @ MH# BW-20			
	2	RCP/OFFSET 1/2"		12-12	
	84	SC 6" VCP/CAPPED		9-12	
	221	SC 6" VCP/CAPPED		9-12	
	244	LCP W/MS → 246		12	
	245	RCP		12-12	
	250	END OF INSPECTION @ MH# BW-19			



Special Notes

ACCEPTANCE OF WORK COMPLETED

SIGNATURE INSPECTOR \_\_\_\_\_ DATE \_\_\_\_\_

TELEVISION INSPECTION AND WORK REPORT

BY: UTILITIES INC. JOB # 04-06-01 DATE 06/03/04 PAGE 1 OF 1

SECTION ON: 13TH ST. EAST. FROM MANHOLE: BW-19 TO MANHOLE: BW-17

Altair Rep: C. STABENE

Total Lts. Tested \_\_\_\_\_

Total Lts. Sealed \_\_\_\_\_

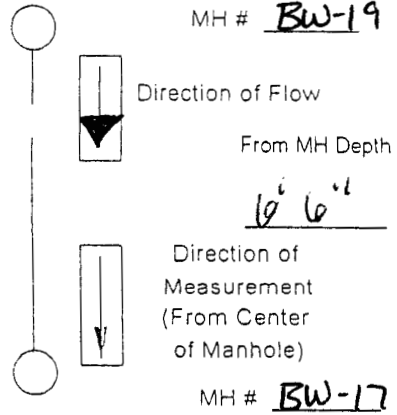
Type of Pipe VCP Diam. 10"

Type of Jt. \_\_\_\_\_ Spacing 5'

Section-Length 193 FT

Reverse Set Up  Yes  No

Tape # 2 Start 1:38  
Finish 1:43



Ref No	Footage	Remarks	Leaks GPM	Clock Ref	Photo No
	0	START INSPECTION @ MH# BW-19			
	3	RCP @ JT		9-12	
	11	RCP/LCP → 15		12-12	
	15	RCP W/MS LEAKING	2	12	
	17	RCP W/MS		12-1	
	153	RT @ JT LIGHT		2	
	168	RT @ JT LIGHT		11	
	176	BEGIN SAG 1"			
	178	LCP W/MS LEAKING → 184	1/2	12	
	182	CAMERA UNDER WATER			
		WILL USE JETTER TO DRAW THE WATER DOWN			
	189	DROP INTO MANHOLE			
	190	END OF VCP START PVC			
	193	END OF INSPECTION @ MH# BW-17			

Special Notes

ACCEPTANCE OF WORK COMPLETED \_\_\_\_\_

SIGNATURE INSPECTOR \_\_\_\_\_

DATE \_\_\_\_\_

TELEVISION INSPECTION AND WORK REPORT

BY UTILITIES INC.

JOB # 04-06-01

DATE 06/03/04 PAGE 1 OF 2

SECTION ON: 4TH STREET WEST

FROM MANHOLE: A-40

TO MANHOLE: A-3

Altair Rep: C. STABENE

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

Type of Pipe LINED Diam. 8"

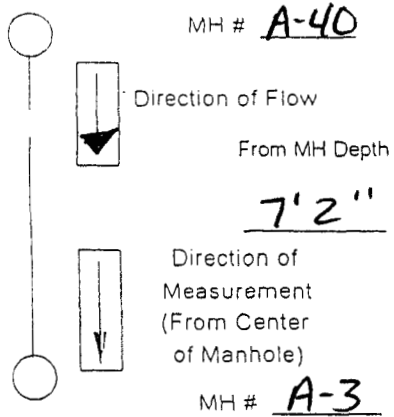
Type of Jt. \_\_\_\_\_ Spacing N/A

Section-Length \_\_\_\_\_

Reverse Set Up  Yes  No

Tape # 3 Start 0:00  
Finish 0:05

Ref No.	Footage	Remarks	Leaks GPM	Clock Ref	Photo No.
	0	START INSPECTION @ MH# A-40			
	31	CAMERA CAN NOT GO ANY FURTHER DUE TO BUBBLES IN LINER. WILL SET-UP FOR A REVERSAL.			



Special Notes



TIERRA VERDE

Utility System Services

TELEVISION INSPECTION AND WORK REPORT

BY UTILITIES INC. JOB # 04-06-01 DATE 06/03/04 PAGE 2 OF 2

SECTION ON: 4<sup>TH</sup> STREET WEST FROM MANHOLE: A-3 TO MANHOLE: A-40

Altair Rep: C STABENE

Total Jts. Tested \_\_\_\_\_

Total Jts. Sealed \_\_\_\_\_

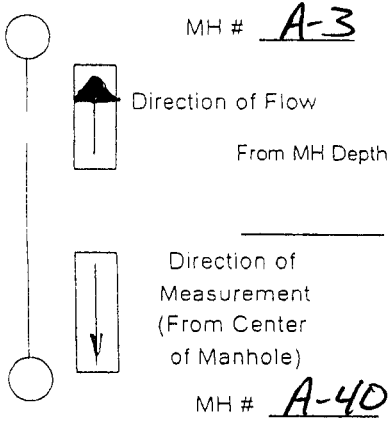
Type of Pipe LINED Diam. 8"

Type of Jt. \_\_\_\_\_ Spacing N/A

Section-Length \_\_\_\_\_

Reverse Set Up  Yes  No

Tape # 3 Start 0:05 Finish 0:13



Ref No	Footage	Remarks	Leaks GPM	Clock Ref.	Photo No
	0	START INSPECTION @ MH# A-3			
	16	CAMERA CAN NOT GO ANY FURTHER DUE TO BUBBLES IN LINER			

Special Notes

**Project 061-0646-118-03-01  
Supporting Documentation  
Yearly Amortization**

# FLORIDA JETCLEAN INC.

## HIGH PRESSURE WATER JETTING-PIPELINE TV INSPECTION-PIPE LOCATING

37 Windward Island  
Clearwater Fl 33767  
www.floridajetclean.com

TEL : 727-462-5516  
800-226-8013  
FAX : 727-442-2222

### FAX/MEMORANDUM

DATE : 5/14/2004  
TO : Tony Wierzbicki, Mid-County Services, Inc.  
FROM : Graeme Towns (gtowns1@lampabay.fl.com)  
SUBJECT : Tierra Verde RFP

Thank you for your inquiry.

**FLORIDA JETCLEAN INC.**, in business since 1987, specializes in projects of the type being bid. We use state of the art **PEARPOINT** video equipment with software generated reports to allow easy evaluation of the pipe surveys. Video snapshots of major problem areas are included at no extra charge.

Our camera equipment is certified Class 1, Division 1, Groups C & D which in layman terms means "explosion proof". Should our equipment have an electrical failure within a methane contaminated sewer, our equipment will not create an explosion. Only **PEARPOINT** to our knowledge at this point in time offers a complete range of camera equipment certified to this level.

For jetcleaning we use **HARBEN** trailer mounted equipment well suited to properly clean pipes limited to easement access. There will be no potential for damage to property.

There are endless options for remediation ranging from grouting repairs (a band aid repair) to complete relining. We will assess and recommend an appropriate economic repair process when we know the pipe condition.

The prices below include all costs as stated in your RFP except repairs.

### Tierra Verde Sanitary Sewer System

Jetcleaning 21250 LF of 8" VCP pipe \$11,575.00 invoice included  
(based on removal of routine grease/debris, if there is extensive root infiltration this cost may increase)

Video inspection of the above pipe \$14,875.00

39,972.90	invoice from Altair
2,118.75	captime
11,575.00	invoice from FL Jet Clean
14,875.00	from above
<u>\$68,601.65</u>	

Subject to:

- Continuity of access required to enable completion in a single mobilization
- Traffic control limited to conc placement
- Written log/report provided along with video tapes on completion
- Payment ; net 30 days from completion

Time estimate - 8-10 days.

Thank you for the opportunity to quote.

Regards.

*Raame Tan.*

Accepted:

*T. Wang*

*Construction Mgr.*

*6/7/04*

WORK ORDERS CAPTIME 2003 WORK ORDER CAPITALIZED CHARGES REPORT FOR COMPANY - UOI STATE - FL NO OF UOI

SUB SUBDIVISION NAME	TYPE	PRJ PROJECT DESCRIPTION	ACCOUNT NUMBER	INIT	HOURS	EXT AMOUNT	RATE
0646 TIERRA VERDE UTILITIES	SEWER	116 SEWER PROJECT	0646-1160201	AXM	2	56.00	28.00
				GMA	68	1,216.00	17.88
				GTA	70	1,260.00	18.00
				MTD		140.00	14.00
				PCF	19	1,082.75	57.25
				TTS	32	1,756.00	55.00
				TOTAL 0646-11	196	6,043.75	
TOTAL SEWER	196	6,043.75					
0646 TIERRA VERDE UTILITIES	DEFER	118 DEFERRED PROJECT	0646-1180301	AXM	3	84.00	28.00
				GTA	1	57.25	57.25
				PCF	1	57.25	57.25
				TOTAL 0646-11	6	*197.25 (line 1)	
				TOTAL DEFER	6	197.25	
TOTAL SUBDIVISION	202	6,241.00					

REPORT UIRCHR(35A)WORK ORDERS CAPTIME 2003 WORK ORDER CAPITALIZED CHARGES REPORT CREATED ON 14:05:32 01-09-04



REPORT UIRCHR(35A) UI SYSTEM PAGE 1  
 WORK ORDERS CAPTIME 2004 WORK ORDER YEAR END CAPITALIZED CHARGES REPORT FOR COMPANY = 061 STATE = FL AS OF 01-03-05

SUB SUBDIVISION NAME	TYPE	PRJ PROJECT DESCRIPTION	ACCOUNT NUMBER	INIT HOURS	EXT AMOUNT	RATE	
0646 TIERRA VERDE UTILITIES	SEWER 116	SEWER PROJECT	0646-1160302	AXW	38	1,083.00	28.50
				GHA	6	171.00	28.50
				GTA	6	171.00	28.50
				PCF	6	387.00	64.50
				TTS	38	1,083.00	28.50
				TOTAL 0646-11	94	2,895.00	
TOTAL SEWER	94	2,895.00					
0646 TIERRA VERDE UTILITIES	DEFER 118	DEFERRED PROJECT	0646-1180301	AXW	13	370.50	28.50
				GHA	7	199.50	28.50
				GTA	2	57.00	28.50
				MTD	4	114.00	28.50
				PCF	2	129.00	64.50
				RWR	4	114.00	28.50
				TTS	35	997.50	28.50
				TOTAL 0646-11	67	*1,981.50 (line 2)	
TOTAL DEFER	67	1,981.50					
TOTAL SUBDIVISION	161	4,876.50					

Altair Environmental Group, LLC

710 S Milwee Street  
Longwood, FL 32750

# Invoice

Date	Invoice #
6/9/2004	11292

<b>Bill To</b>
Utilities, Inc. 200 Weathersfield Ave. Altamonte Springs, Florida 32714

RECEIVED  
JUN 16 2004

P.O. No.	Terms	Project
	Net 30	04-006-01

Quantity	Description	Rate	Amount
	Client Project Number 061-0646 Cleaning and Internal Television of Sanitary Sewer Pipeline @ Tierra Verde		
1	Mobilization	1,800.00	1,800.00
7	Dump Fees	800.00	5,600.00
745	Clean 8"/10" Pipeline	2.50	1,862.50
5,484	Clean 15"/18" Pipeline	5.60	30,710.40
	<i>Clean + telex + manhole investigation</i>		
	Copies of Dump Manifests, Video Tapes, and Report of Findings will be submitted under separate cover.		

Job #	<u>File</u>	Water ( ) or Both (Circle One)
Job Name	<u>Tierra Verde</u>	
Reference Info.		
Cross Ref. Invoices	<u>W0</u>	Date
Approval		
Date Received		

Thank you for your business.

**Total**

539,972.90

MO

Phone #	Fax #
407-339-7134	407-339-6618

Post-It® Fax Note	7671	Date	# of pages
To	<u>Kirsten Weeks</u>	From	<u>Tony W.</u>
Co./Dept.		Co.	
Phone #		Phone #	
Fax #		Fax #	

RECEIVED

RECEIVED

JUL 19 2004

**Florida Jetclean Inc.**

37 Windward Island  
Clearwater FL 33767

JUL 19 2004

**UTILITIES, INC.  
INVOICE**

**UTILITIES, INC** Number: 7359

Date: July 06, 2004

**Bill To:**

Mid-County Services, Inc.  
Attn. Tony Wierzbicki  
200 Weathersfield Avenue  
Altamonte Springs, FL 32714

**Ship To:**

**PO Number**

Contract

**Terms**

Net 30

**Project**

Tierra Verde

**Date**

**Description**

**Amount**

Completion of jetcleaning phase

11,575.00

*change to Tierra Verde  
061-0646 118-03-01 1229*

**Total**

**\$11,575.00**

**Please pay against invoice. No statement will be sent.**

**800-226-8013**

in the event that this invoice is not paid in full within the time set forth above, customer agrees to pay all costs and attorney fees incurred in any suit or action undertaken to recover those amounts remaining due.

UTILITIES, INC.  
 DEFERRED MAINTENANCE (SE 4)  
 12/31/2004  
 FINANCE -> STANDARD ENTRIES -> SE4

11

DATE: 1/2/2006  
 TIME: 11:37 AM

DESCRIPTION	RATE	DATE	ENDING COST BEFORE PAJE	LATE ENTRIES PRIOR YEAR	ADDITIONS Jan - December 2004	ENDING COST BEFORE PAJE	A		B												Total Prior Amort	ENDING ACC AMORT	ENDING NET BOOK VALUE	YTD Amort	Years Remaining					
							4/04 BEGINNING ACC AMORT	BEGINNING NET BOOK VALUE	B	B(11)	B(10)	B(9)	B(8)	B(7)	B(6)	B(5)	B(4)	B(3)	B(2)	B(1)						C-S				
TIERA VERDE UTILITIES, INC. TV SEWER MAINS	20.00%	10/1/2004	0.00		22,725.00	22,725.00	0.00	22,725.00	379.00	379.00	379.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	758.00	1,137.00	21,588.00	1,137.00	4.75	21,967.00
<b>TOTAL COMB</b>			0.00	0.00	22,725.00	22,725.00	0.00	22,725.00	379.00	379.00	379.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	758.00	1,137.00	21,588.00	1,137.00	4.75	21,967.00	

UTILITIES, INC.  
 DEFERRED MAINTENANCE (SE 4)  
 12/31/2006  
 FINANCE -> STANDARD ENTRIES -> SE4

12

DATE: 1/8/2008  
 TIME: 11:11 AM

DESCRIPTION	RATE	DATE	ENDING COST BEFORE PAIE	LATE ENTRIES PRIOR YEAR	ADDITIONS Jan - December 2007	ENDING COST BEFORE PAIE	A		B												KD		YTD Amort	Years Remaining					
							1/1/05 BEGINNING ACC AMORT	BEGINNING NET BOOK VALUE	B(12) Prior Amort December	B(11) Prior Amort November	B(10) Prior Amort October	B(9) Prior Amort September	B(8) Prior Amort August	B(7) Prior Amort July	B(6) Prior Amort June	B(5) Prior Amort May	B(4) Prior Amort Apr	B(3) Prior Amort Mar	B(2) Prior Amort Feb	B(1) Prior Amort Jan	B Total Prior Amort	ENDING ACC AMORT			ENDING NET BOOK VALUE				
TIERRA VERDE UTILITIES, INC. 1842054 TV SEWER MAINS	20.00%	10/1/2004	22,725.00	53,726.65		76,451.65	1,137.00	75,314.65	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	14,014.00	16,425.00	60,026.65	15,288.00	3.93
<b>TOTAL COMET</b>			<b>22,725.00</b>	<b>53,726.65</b>	<b>0.00</b>	<b>76,451.65</b>	<b>1,137.00</b>	<b>75,314.65</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>1,274.00</b>	<b>14,014.00</b>	<b>16,425.00</b>	<b>60,026.65</b>	<b>15,288.00</b>	<b>3.93</b>

UTILITIES, INC.  
 DEFERRED MAINTENANCE (SE 4)  
 12/31/2006  
 FINANCE -> STANDARD ENTRIES -> SE4

DATE: 1/8/2009  
 TIME: 11:25 AM

DESCRIPTION	RATE	DATE	ENDING COST BEFORE PAJE	LATE ENTRIES PRIOR YEAR	ADDITIONS Jan - December 2008	ENDING COST BEFORE PAJE	A		B	B												B	KD		YTD Amort	Years Remaining				
							1/1/06 BEGINNING ACC AMORT	BEGINNING NET BOOK VALUE		AMORT CURRENT Month	Prior Amort December	Prior Amort November	Prior Amort October	Prior Amort September	Prior Amort August	Prior Amort July	Prior Amort June	Prior Amort May	Prior Amort Apr	Prior Amort Mar	Prior Amort Feb		Prior Amort Jan	Total Prior Amort			ENDING ACC AMORT	ENDING NET BOOK VALUE		
TERRA VERDE UTILITIES, INC. TV SEWER MAINS	20.00%	10/1/2004	78,451.85			78,451.85	18,425.00	60,026.85	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	14,014.00	31,713.00	44,738.85	15,288.00	2.93
TOTAL COMES			78,451.85	0.00	0.00	78,451.85	18,425.00	60,026.85	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	14,014.00	31,713.00	44,738.85	15,288.00	2.93	

UTILITIES, INC.  
 DEFERRED MAINTENANCE (SE 4)  
 11/20/2007  
 FINANCE → STANDARD ENTRIES → SE4

DATE: 1/9/2009  
 TIME: 11:23 AM

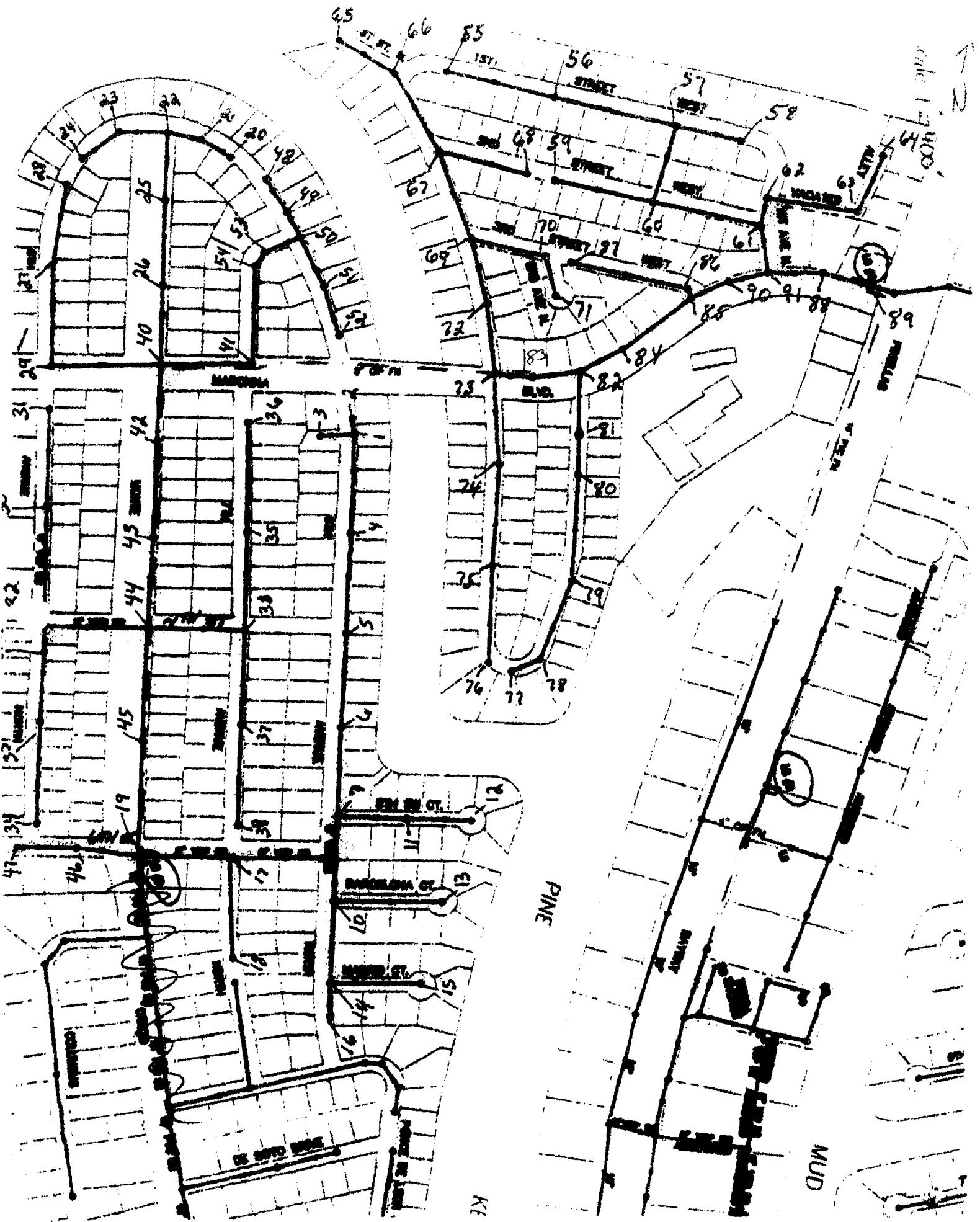
Sub#	DESCRIPTION	RATE	DATE	ENDING COST BEFORE PAJE	LATE ENTRIES PRIOR YEAR	ADDITIONS Jan - December 2007	ENDING COST BEFORE PAJE	A	C	B	B(12)	B(11)	B(10)	B(9)	B(8)	B(7)	B(6)	B(5)	B(4)	B(3)	B(2)	B(1)	B	KD A-B	C-B	YTD	Years		
								1/1/07 BEGINNING ACC AMORT	BEGINNING NET BOOK VALUE	AMORT CURRENT (B(12))	Prior Amort December	Prior Amort November	Prior Amort October	Prior Amort September	Prior Amort August	Prior Amort July	Prior Amort June	Prior Amort May	Prior Amort Apr	Prior Amort Mar	Prior Amort Feb	Prior Amort Jan	Total Prior Amort	ENDING ACC AMORT	ENDING NET BOOK VALUE	Amort	Remaining		
0646	TERRE VERDE UTILITIES, INC./NO STP: 1322054 TV SEWER MAINS	20.00%	10/1/2004	76,451.65			76,451.65	31,713.00	44,738.65	1,274.00			1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	12,740.00	45,727.00	30,724.65	14,014.00	2.01
	TOTAL COM#1			76,451.65			76,451.65	31,713.00	44,738.65	1,274.00			1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	1,274.00	12,740.00	45,727.00	30,724.65	14,014.00	2.01	

R12430

Utilities Inc  
Depreciation Expense Report

Asset Number	Description	Eq St LT Cost	Accumulated Depreciation	----- Depreciation Expense Quarter to Date	Net Book Value
100111	TV SEWER MAINS	AA 76451.65	61019.47	14016.14	15432.18
			61019.47	2548.39	15432.18
	100 Deferred Charges	76451.65	61019.47	14016.14	15432.18





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DE WYD MUD

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12th ST.

13th ST.

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15th ST.

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**CCTV Surveys List for MID-COUNTY SERVICES, INC. TIERRA VERDE UTILITIES**

Number of surveys in this list is 114 as of Wednesday, September 01, 2004

Unit of measure: Ft

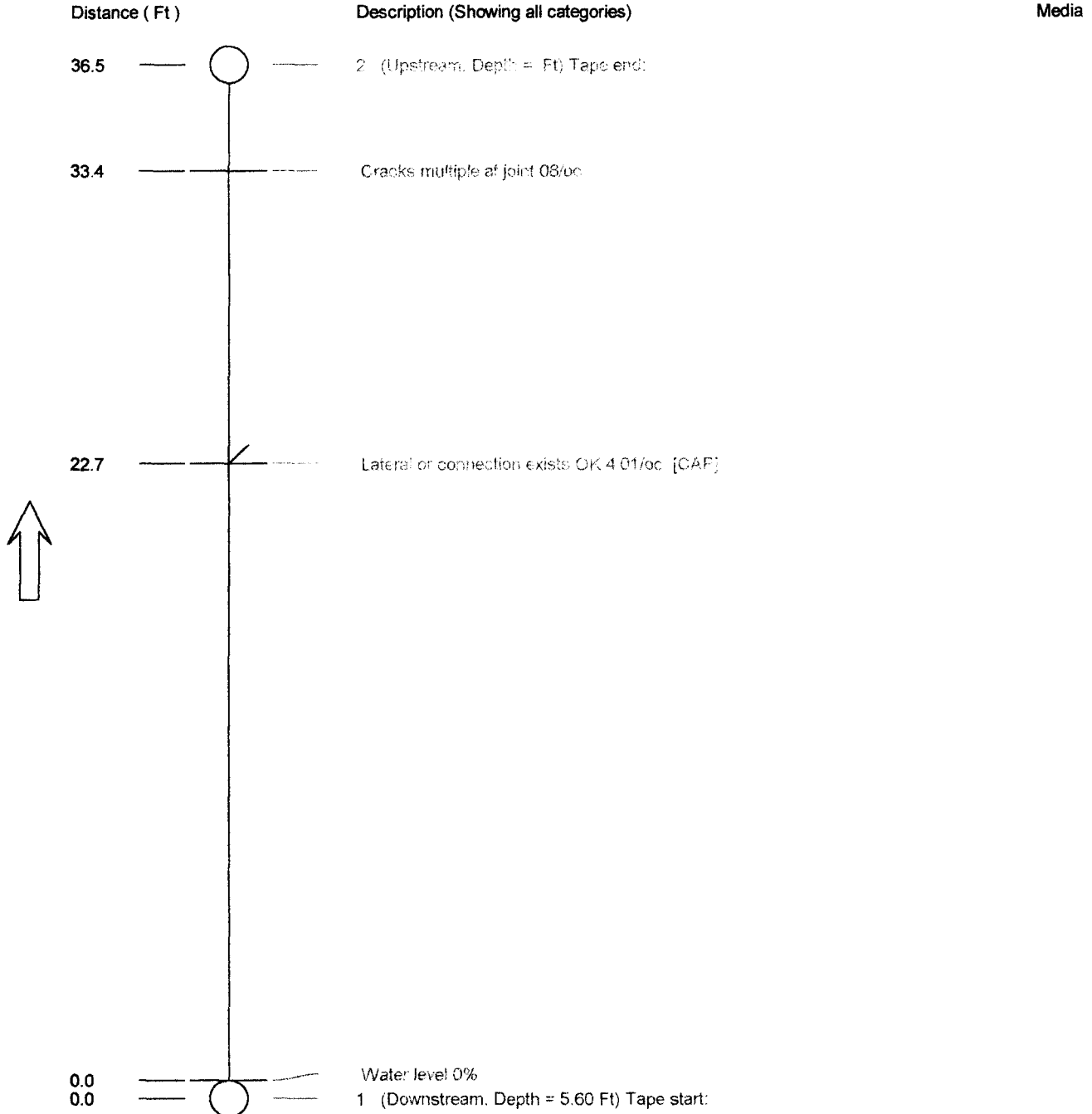
Setup	Date	Road	Start M'hole	Finish M'hole	Scheduled Length	Surveyed length
1	07/16/2004	8TH AVE N	1	2	36.5	36.5
2	07/16/2004	8TH AVE N	1	3	110.8	110.8
3	07/23/2004	8TH AVE N	5	4	300.0	169.0
4	07/23/2004	8TH AVE N	5	6	337.4	337.4
5	07/23/2004	8TH AVE N	7	6	337.4	86.2
6	07/23/2004	SW 5TH CT	7	11	224.1	224.1
7	07/23/2004	SW 5TH CT	12	11	224.1	3.2
8	07/23/2004	BARCELONA CT	10	13	367.3	367.3
9	07/23/2004	8TH AVE N	10	14	295.2	295.2
10	07/23/2004	8TH AVE N	10	9	149.4	149.4
11	07/30/2004	8TH AVE N	4	1	340.9	340.9
12	07/30/2004	8TH AVE N	4	5	340.9	3.6
13	07/30/2004	8TH AVE N	5	4	340.9	187.2
14	07/30/2004	8TH AVE N	6	7	340.9	76.9
15	07/30/2004	SW 5TH CT	12	11	224.7	224.7
16	08/05/2004	MADRID CT	14	15	296.6	296.6
17	08/05/2004	8TH AVE N	14	16	118.5	118.5
18	08/05/2004	8TH AVE N	8	7	18.3	18.3
19	08/05/2004	8TH AVE N	8	9	115.7	115.7
20	08/05/2004	6TH ST	17	9	387.0	216.6
21	08/05/2004	7TH AVE N	17	18	369.4	369.4
22	08/05/2004	6TH ST	17	19	300.4	300.4
23	08/06/2004	6TH ST	9	17	387.0	171.2
24	08/06/2004	8TH AVE N	20	21	96.2	96.2
25	08/06/2004	8TH AVE N	22	21	101.5	101.5
26	08/06/2004	8TH AVE N	22	23	157.8	157.8
27	08/06/2004	8TH AVE N	23	24	154.3	154.3
28	08/06/2004	MONTE CRISTO	22	25	261.0	193.2
29	08/06/2004	MONTE CRISTO	25	22	261.0	68.4

Setup Date	Road	Start M'hole	Finish M'hole	Scheduled Length	Surveyed length	
30	08/06/2004	MONTE CRISTO	25	26	264.0	264.0
31	08/06/2004	8TH AVE N	27	28	201.0	0.9
32	08/06/2004	8TH AVE N	27	29	394.8	394.8
33	08/09/2004	8TH AVE N	28	27	201.0	182.1
34	08/09/2004	8TH AVE N	30	31	382.7	382.7
35	08/09/2004	8TH AVE N	30	32	408.0	378.6
36	08/09/2004	8TH AVE N	33	32A	239.9	239.9
37	08/10/2004	8TH AVE N	32	30	408.0	30.2
38	08/10/2004	8TH AVE N	33	34	323.5	323.5
39	08/10/2004	7TH AVE N	35	36	310.0	228.9
40	08/10/2004	7TH AVE N	37	38	390.0	118.1
41	08/10/2004	7TH AVE N	37	39	177.9	18.1
42	08/10/2004	MONTE CRISTO	40	26	265.8	265.8
43	08/10/2004	MADONNA BLVD	40	29	367.1	367.1
44	08/10/2004	MADONNA BLVD	40	41	280.3	280.3
45	08/11/2004	MONTE CRISTO	42	40	390.0	281.7
46	08/11/2004	MONTE CRISTO	42	43	310.0	186.4
47	08/11/2004	MONTE CRISTO	43	42	310.0	122.2
48	08/11/2004	MONTE CRISTO	43	44	309.1	309.1
49	08/11/2004	MONTE CRISTO	40	42	309.1	29.8
50	08/11/2004	MONTE CRISTO	44	45	388.4	388.4
51	08/11/2004	4TH ST	44	38	314.4	314.4
52	08/11/2004	6TH ST	46	47	214.1	214.1
53	08/11/2004	6TH ST	46	19	214.1	47.7
54	08/11/2004	8TH AVE N	49	48	129.3	129.3
55	08/11/2004	8YH AVE N	49	50	129.3	90.8
56	08/12/2004	8TH AVE N	51	52	168.9	168.9
57	08/12/2004	8TH AVE N	51	50	176.0	97.0
58	08/12/2004	1ST ST W	55	56	392.3	392.3
59	08/12/2004	1ST ST W	57	56	393.3	393.3
60	08/16/2004	2ND ST W	60	61	339.7	339.7

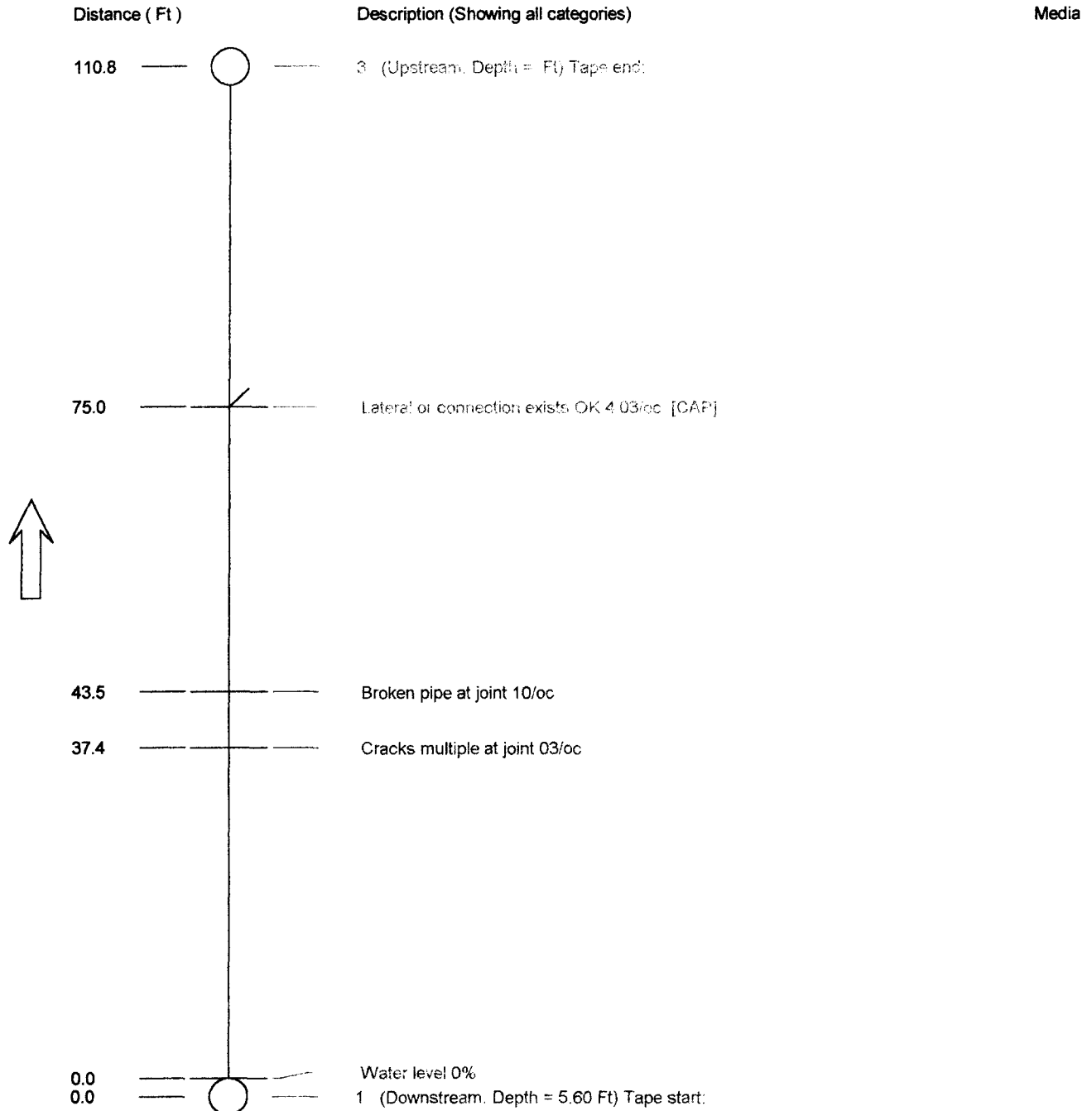
Setup	Date	Road	Start M'hole	Finish M'hole	Scheduled Length	Surveyed length
61	08/16/2004	1ST & 2ND ST W	60	57	279.8	279.8
62	08/16/2004	2ND ST W	60	59	340.0	2.0
63	08/16/2004	2ND ST W	59	60	340.0	121.3
64	08/16/2004	1ST AVE N	62	61	100.3	100.3
65	08/16/2004	VACATED	62	63	250.0	242.4
66	08/16/2004	VACATED	63	62	250.0	8.8
67	08/16/2004	ALLEY	63	64	250.0	19.7
68	08/16/2004	4TH ST W	66	65	209.5	209.5
69	08/16/2004	3RD AVE N	66	67	319.4	319.4
70	08/16/2004	3RD AVE N	69	67	315.6	315.6
71	08/16/2004	3RD ST W	69	70	270.0	266.1
72	08/16/2004	3RD AVE N	69	72	226.2	226.2
73	08/16/2004	2ND AVE N	71	70	135.3	135.3
74	08/17/2004	3RD AVE N	78	77	91.1	91.1
75	08/17/2004	3RD AVE N	78	79	305.0	281.7
76	08/17/2004	3RD AVE N	80	79	361.6	361.6
77	08/17/2004	3RD AVE N	79	78	305.0	24.1
78	08/17/2004	3RD AVE N	80	81	203.5	203.5
79	08/17/2004	3RD AVE N	75	76	265.0	24.6
80	08/17/2004	3RD AVE N	75	74	339.0	133.9
81	08/17/2004	3RD AVE N	74	75	339.0	206.4
82	08/17/2004	3RD AVE N	74	73	342.0	342.0
83	08/17/2004	ALLEY	64	63	250.0	6.2
84	08/17/2004	3RD ST W	87	86	301.0	216.1
85	08/17/2004	1ST ST W	58	57	228.9	228.9
86	08/17/2004	2ND ST W	67	68	275.0	62.2
87	08/17/2004	2ND ST W	68	67	275.0	213.0
88	08/18/2004	3RD AVE N	73	72	229.2	229.2
89	08/18/2004	3RD ST W	86	87	301.0	161.4
90	08/18/2004	3RD AVE N	76	75	265.0	241.3
91	08/18/2004	7TH AVE N	53	54	62.0	62.0

Setup	Date	Road	Start M'hole	Finish M'hole	Scheduled Length	Surveyed length
92	08/18/2004	7TH AVE N	53	50	129.5	129.5
93	08/18/2004	8TH AVE N	50	51	176.0	79.3
94	08/18/2004	7TH AVE N	54	41	307.0	169.2
95	08/18/2004	7TH AVE N	41	54	307.0	138.5
96	08/18/2004	7TH AVE N	37	39	307.0	143.1
97	08/18/2004	7TH AVE N	39	37	307.0	159.8
98	08/18/2004	6TH ST	46	19	196.9	196.9
99	08/18/2004	MONTE CRISTO	45	19	330.0	233.5
100	08/19/2004	4TH ST	38	37	390.0	109.6
101	08/19/2004	7TH AVE N	38	35	362.9	362.9
102	08/19/2004	MONTE CRISTO	45	19	391.7	391.7
103	08/19/2004	MADONNA BLVD	83	73	145.9	145.9
104	08/19/2004	MADONNA BLVD	83	82	155.8	155.8
105	08/19/2004	MADONNA BLVD	84	82	154.3	154.3
106	08/19/2004	MADONNA BLVD.	85	90	139.9	139.9
107	08/19/2004	MADONNA BLVD	90	91	139.6	276.3
108	08/19/2004	MADONNA BLVD	90	91	139.6	139.6
109	08/19/2004	3RD ST W	86	85	139.6	28.6
110	08/20/2004	3RD AVE N	82	81	176.7	176.7
111	08/20/2004	1ST AVE N	61	91	152.7	152.7
112	08/20/2004	3RD ST W	86	85	45.0	45.0
113	08/20/2004	MADONNA BLVD	88	LS	169.5	169.5
114	08/20/2004	MADONNA BLVD	91	88	190.6	190.6
<b>Total Scheduled Length</b>					<b>29,075.8</b>	
<b>Total length surveyed</b>						<b>21,195.1</b>

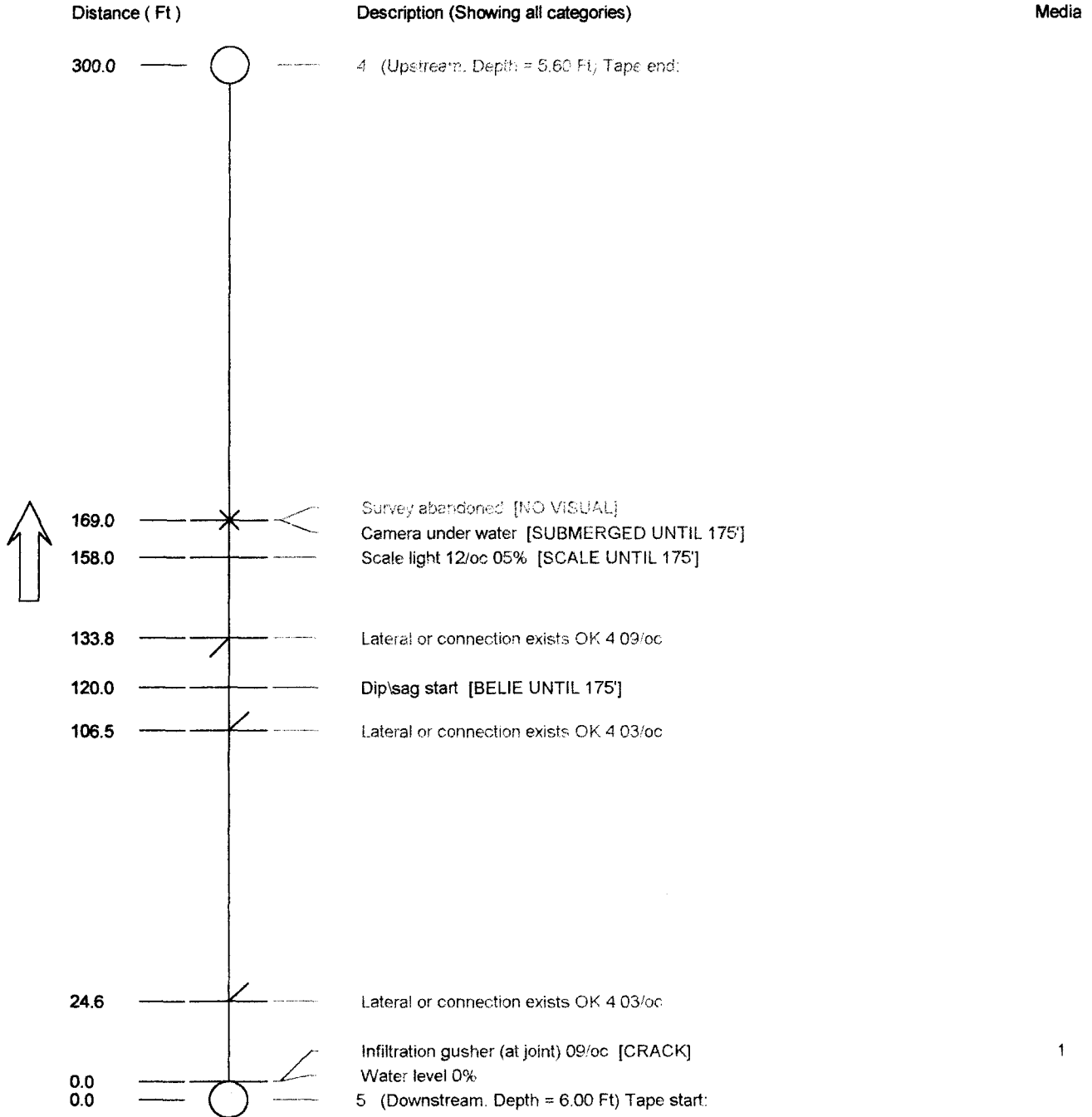
<b>Job</b>	<b>Contract</b>	<b>Cassette 1</b>	<b>Surveyed On</b> 07/16/2004	<b>Sheet</b> 1
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 36.5 Ft	<b>From 1</b>	<b>Depth</b> 5.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To 2</b>	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Qualitative
<b>Location note</b>		(A) - (B) - (C)		



<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette 1</b>	<b>Surveyed On</b> 07/16/2004	<b>Sheet</b> 2
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 110.8 Ft	<b>From</b> 1	<b>Depth</b> 5.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 3	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Cracks/leakage
<b>Location note</b>		W/holes/repairs		

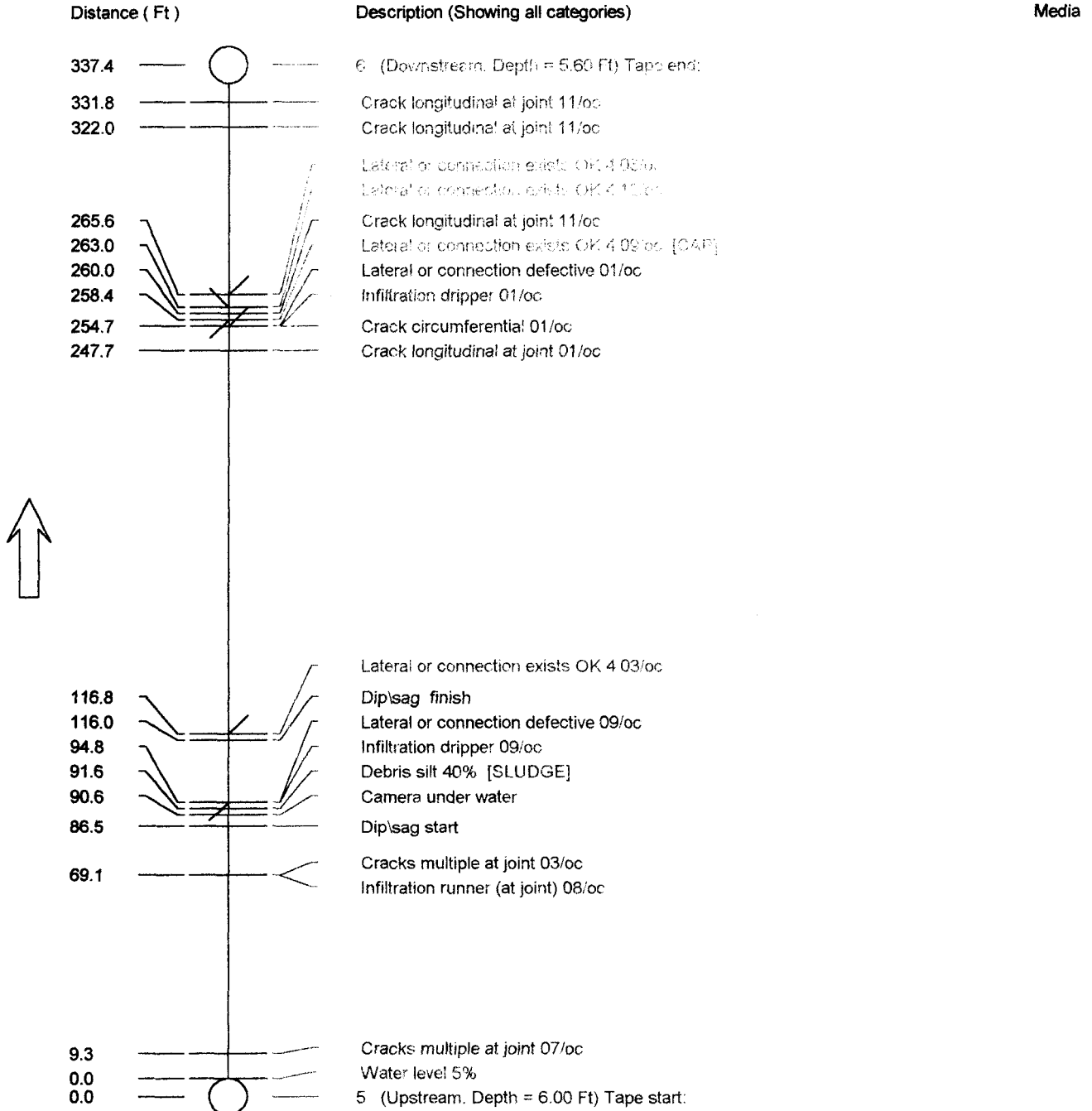


<b>Job</b>	<b>Contract</b>	<b>Cassette 1</b>	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 3
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 300.0 Ft	<b>From</b> 5	<b>Depth</b> 6.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 4	<b>Depth</b> 5.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> MH 4 BURIED. NO ACCESS.		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b> SEE SHEET 12				

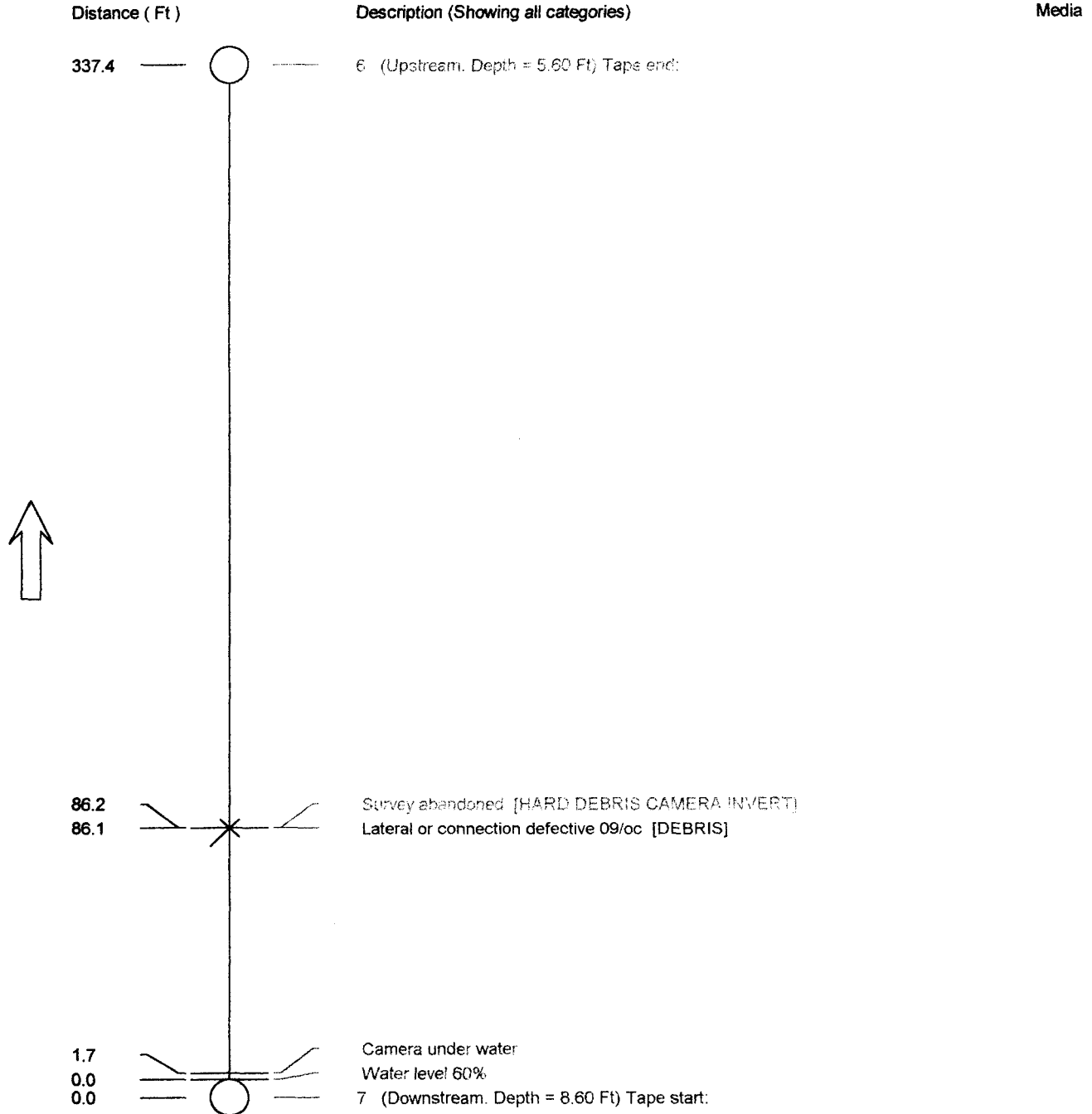




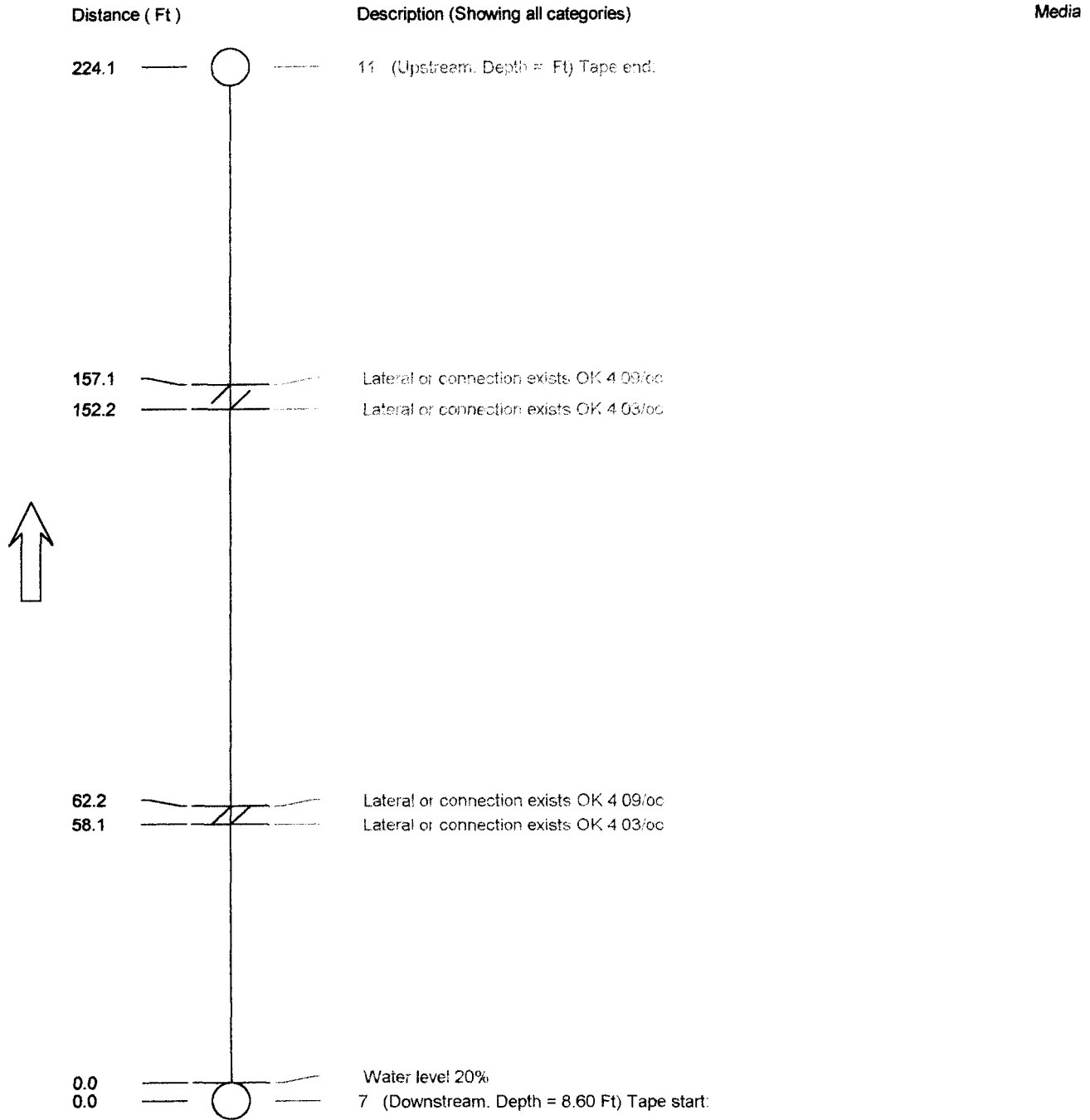
<b>Job</b>	<b>Contract</b>	<b>Cassette 1</b>	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 4
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 337.4 Ft	<b>From</b> 5	<b>Depth</b> 6.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 6	<b>Depth</b> 5.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>			Structural	Sanitary
<b>Location note</b>			Material	Construction



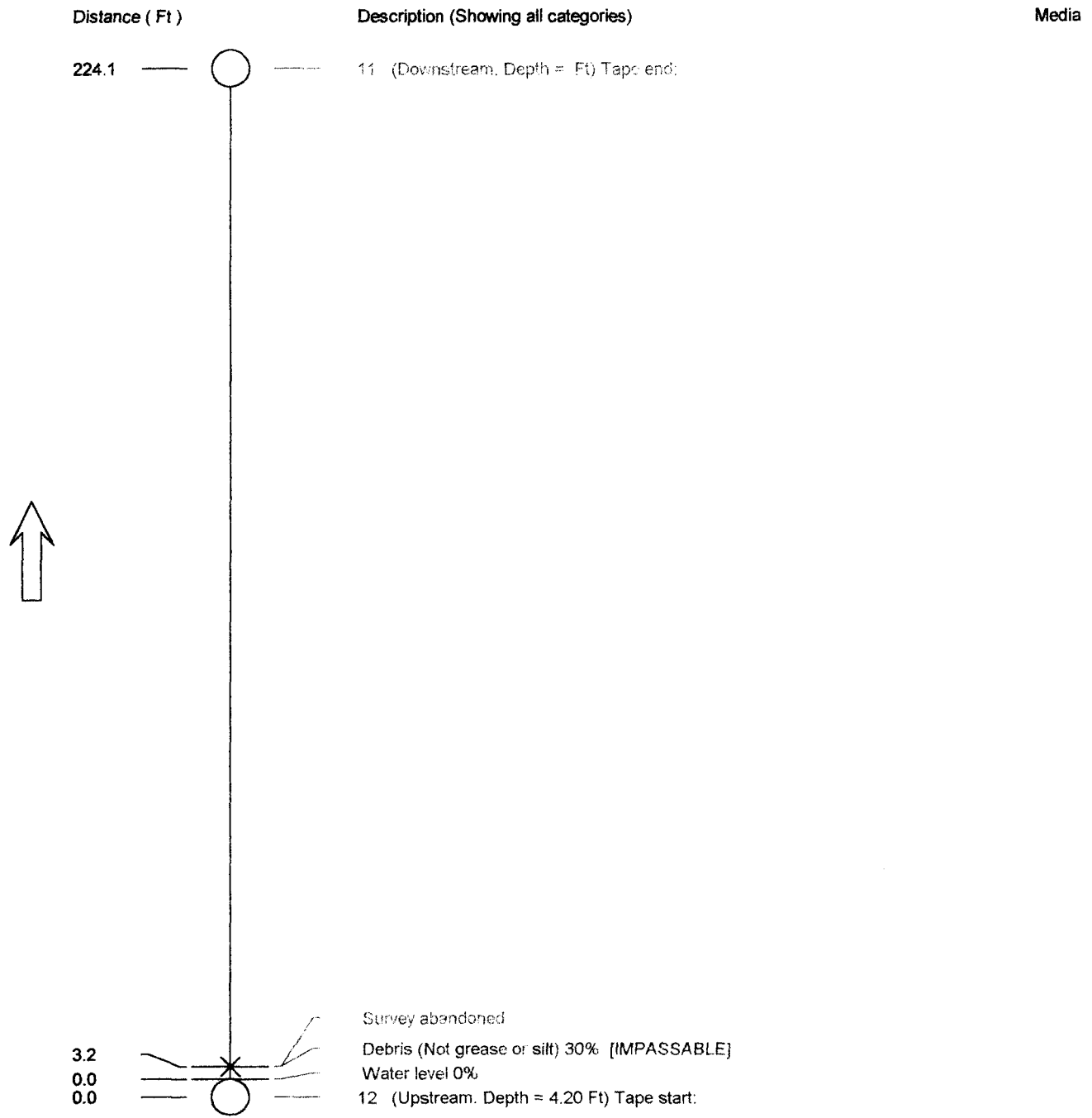
<b>Job</b>	<b>Contract</b>	<b>Cassette 1</b>	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 5
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 337.4 Ft	<b>From</b> 7	<b>Depth</b> 8.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 6	<b>Depth</b> 5.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SUBMERGED UNTIL 1.7' SEE SHEET 14.		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b> HARD DEBRIS AT LATERAL 86.1'				



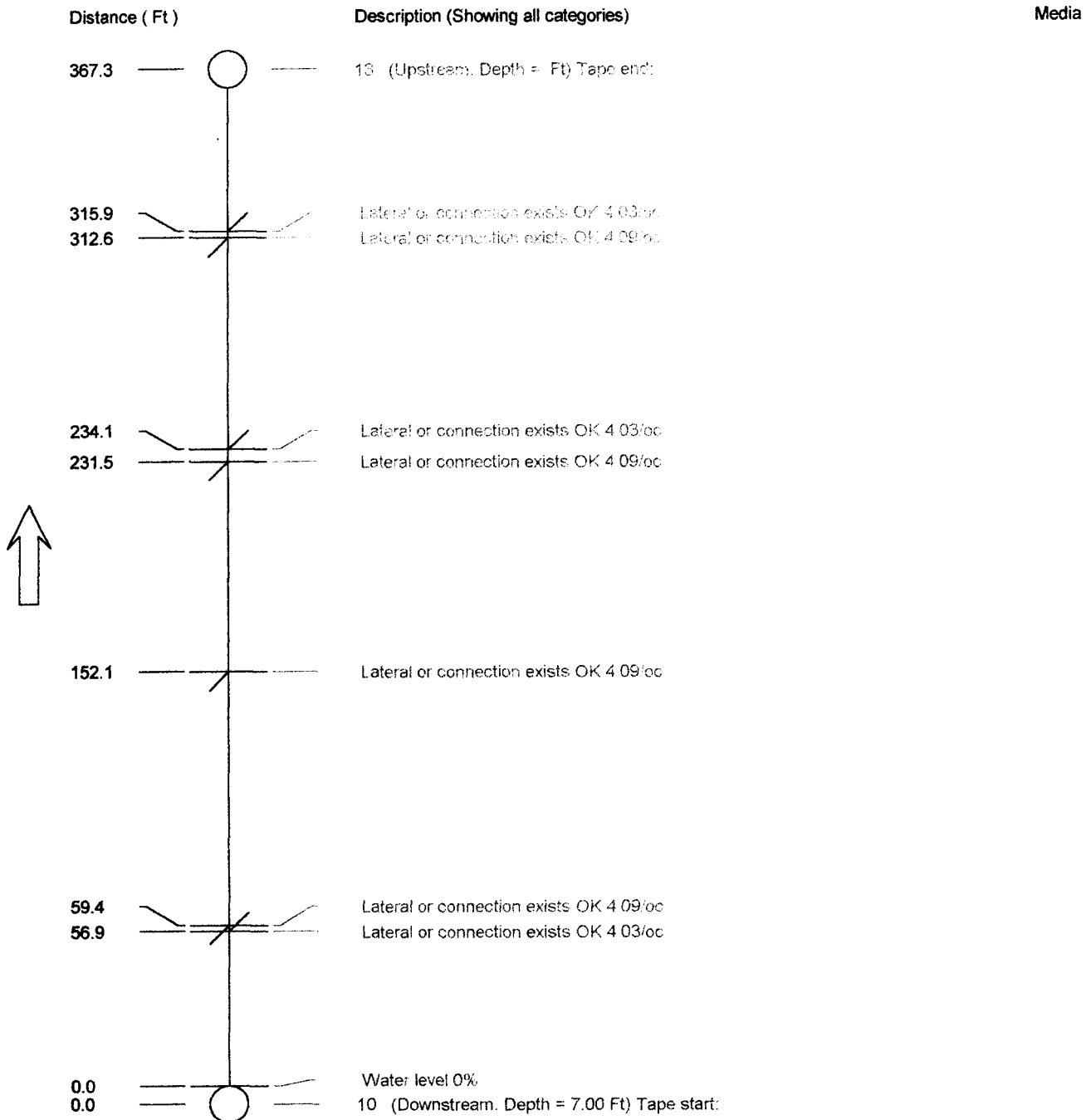
<b>Job</b>	<b>Contract</b>	<b>Cassette 1</b>	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 6
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> SW 5TH CT.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 224.1 Ft	<b>From</b> 7	<b>Depth</b> 8.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 11	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>	Structural Service Condition			
<b>Location note</b>	Inverts low			



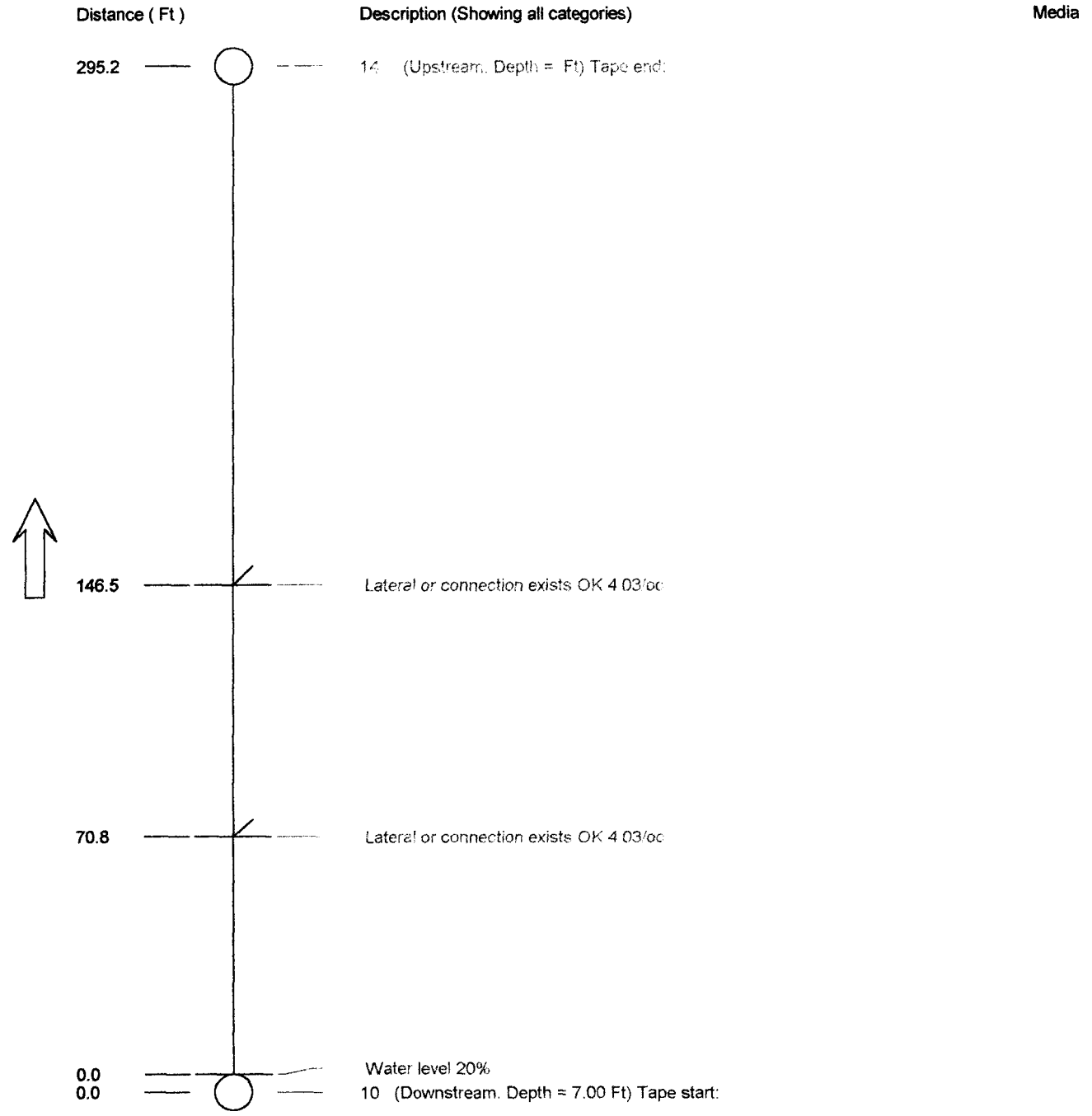
<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette</b> 1	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 7
<b>Road Name</b> SW 5TH CT.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 224.1 Ft	<b>From</b> 12	<b>Depth</b> 4.20 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 11	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 15		<b>Structure</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b> 3.2' HARD DEBRIS		<b>Material</b>		



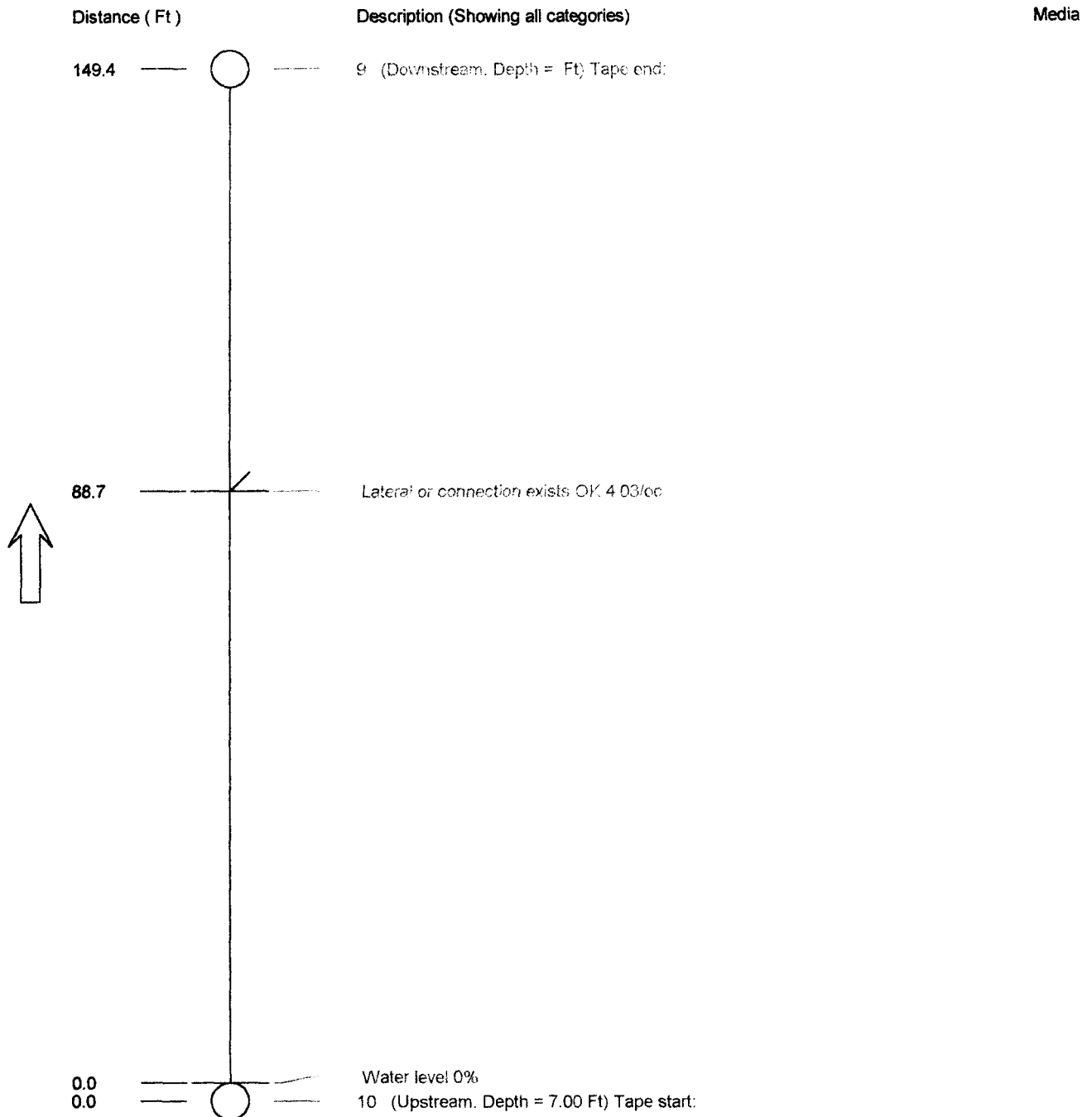
<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette 1</b> Weather Dry	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 8
<b>Road Name</b> BARCELONA CT.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 367.3 Ft	<b>From</b> 10	<b>Depth</b> 7.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 13	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		10/13/04	12/12/04	



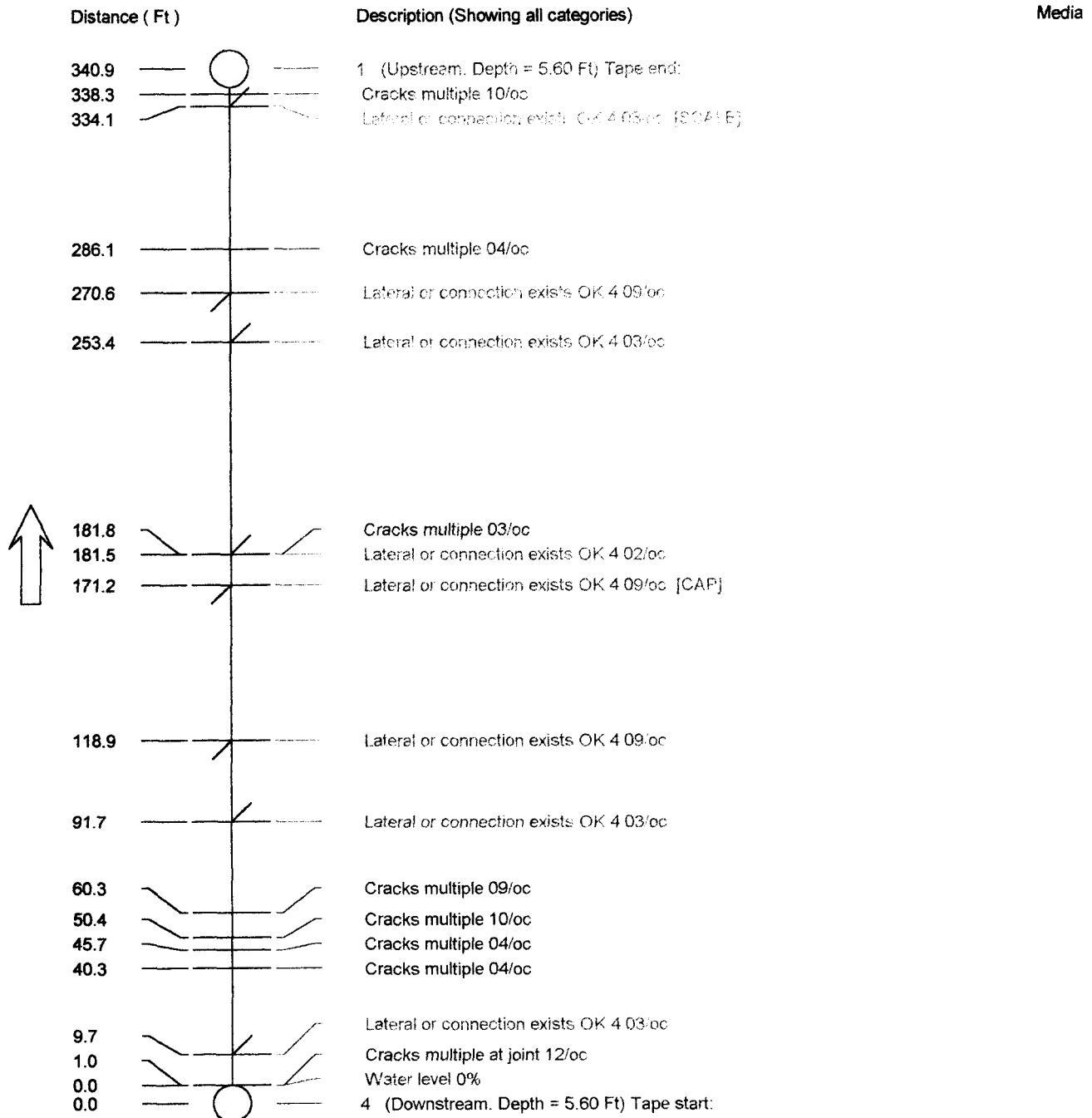
<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette</b> 1	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 9
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 295.2 Ft	<b>From</b> 10	<b>Depth</b> 7.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 14	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Level indicated
<b>Location note</b>		Material		



<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette 1</b> Weather Dry	<b>Surveyed On</b> 07/23/2004	<b>Sheet</b> 10
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 149.4 Ft	<b>From</b> 10	<b>Depth</b> 7.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 9	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structure?	Service?	Construction?
<b>Location note</b>		Discharge?	Flow?	

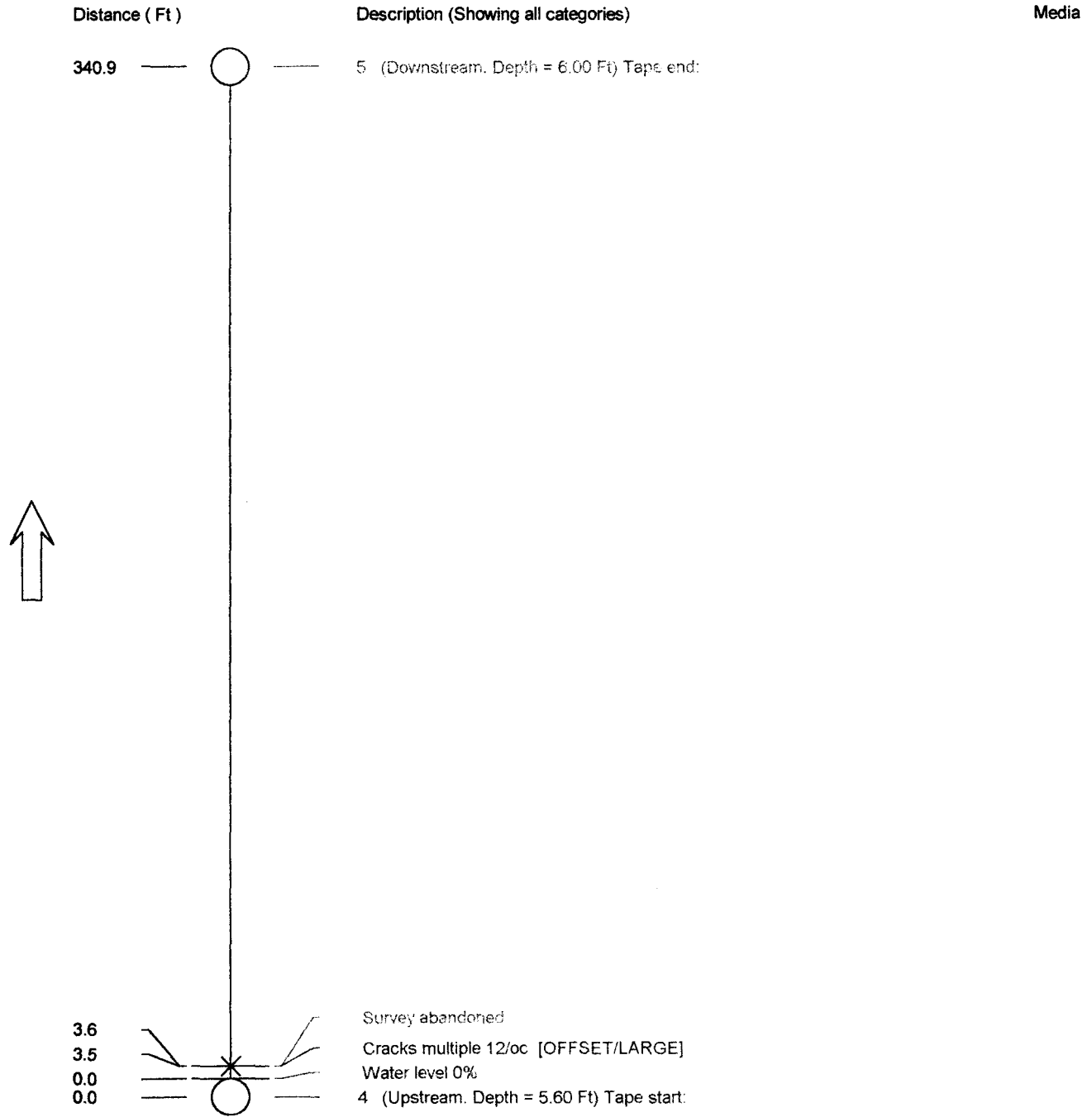


<b>Job</b>	<b>Contract</b>	<b>Cassette 2</b>	<b>Surveyed On</b> 07/30/2004	<b>Sheet</b> 11
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 340.9 Ft	<b>From</b> 4	<b>Depth</b> 5.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 1	<b>Depth</b> 5.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>	Structural		Service	Geotechnical
<b>Location note</b>	Underground		Open	





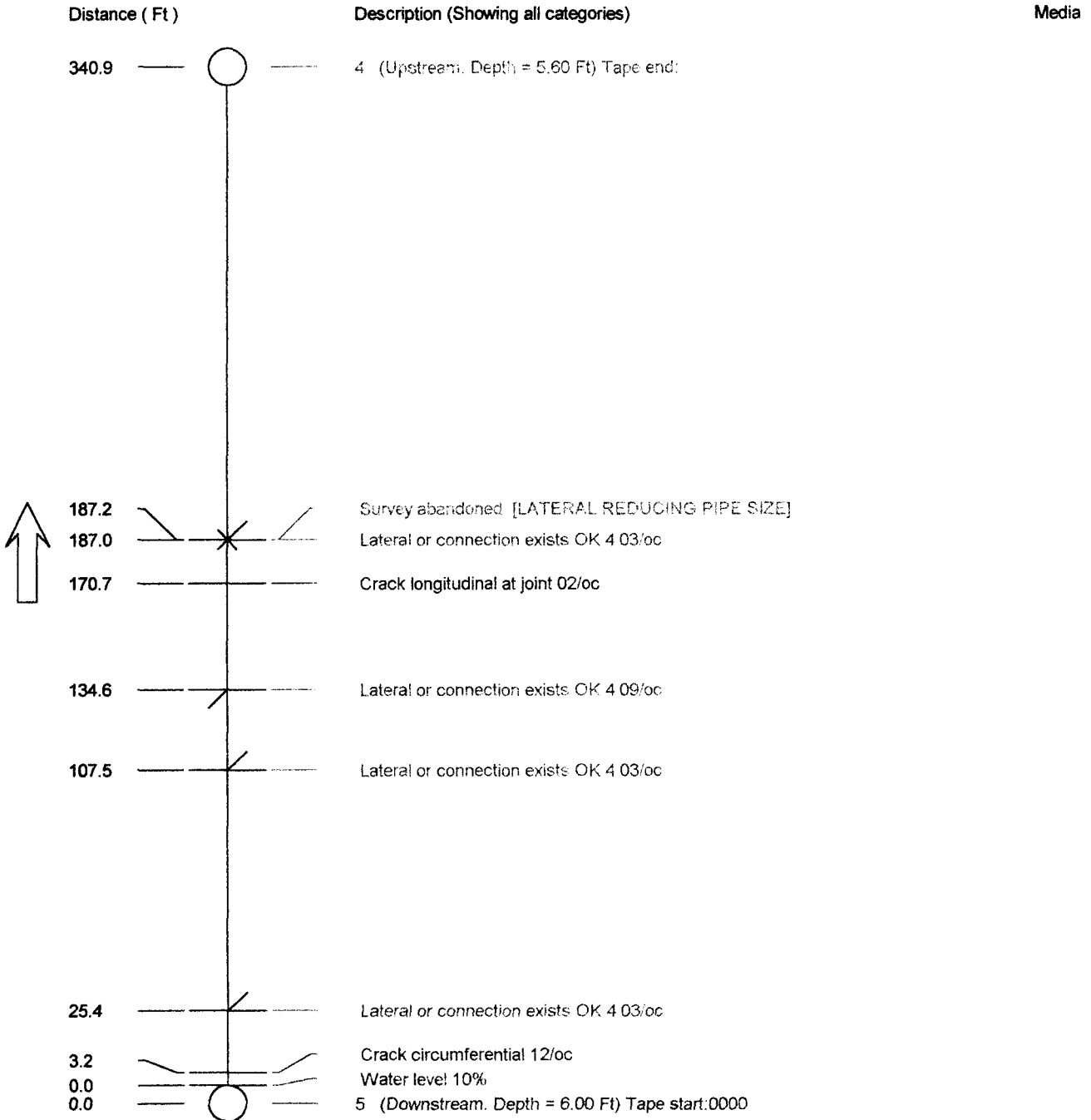
<b>Job</b>	<b>Contract</b>	<b>Cassette 2</b>	<b>Surveyed On</b> 07/30/2004	<b>Sheet</b> 12
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 340.9 Ft	<b>From</b> 4	<b>Depth</b> 5.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 5	<b>Depth</b> 6.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 13 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Conductivity</b>
<b>Location note</b>		<b>Miscellaneous</b>		



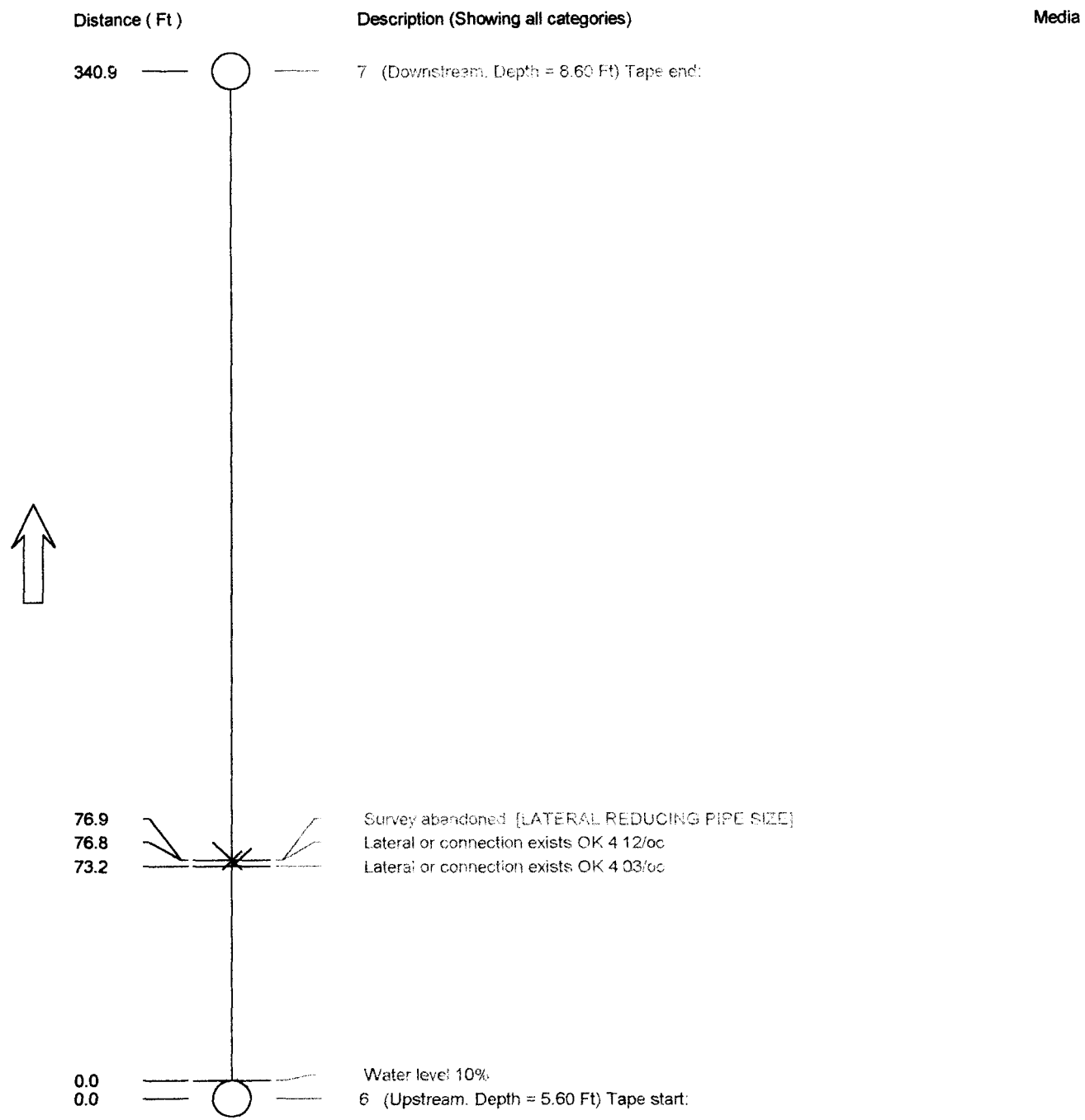
Pipe Graphic Report of PLR 4 X

for MID-COUNTY SERVICES, INC.

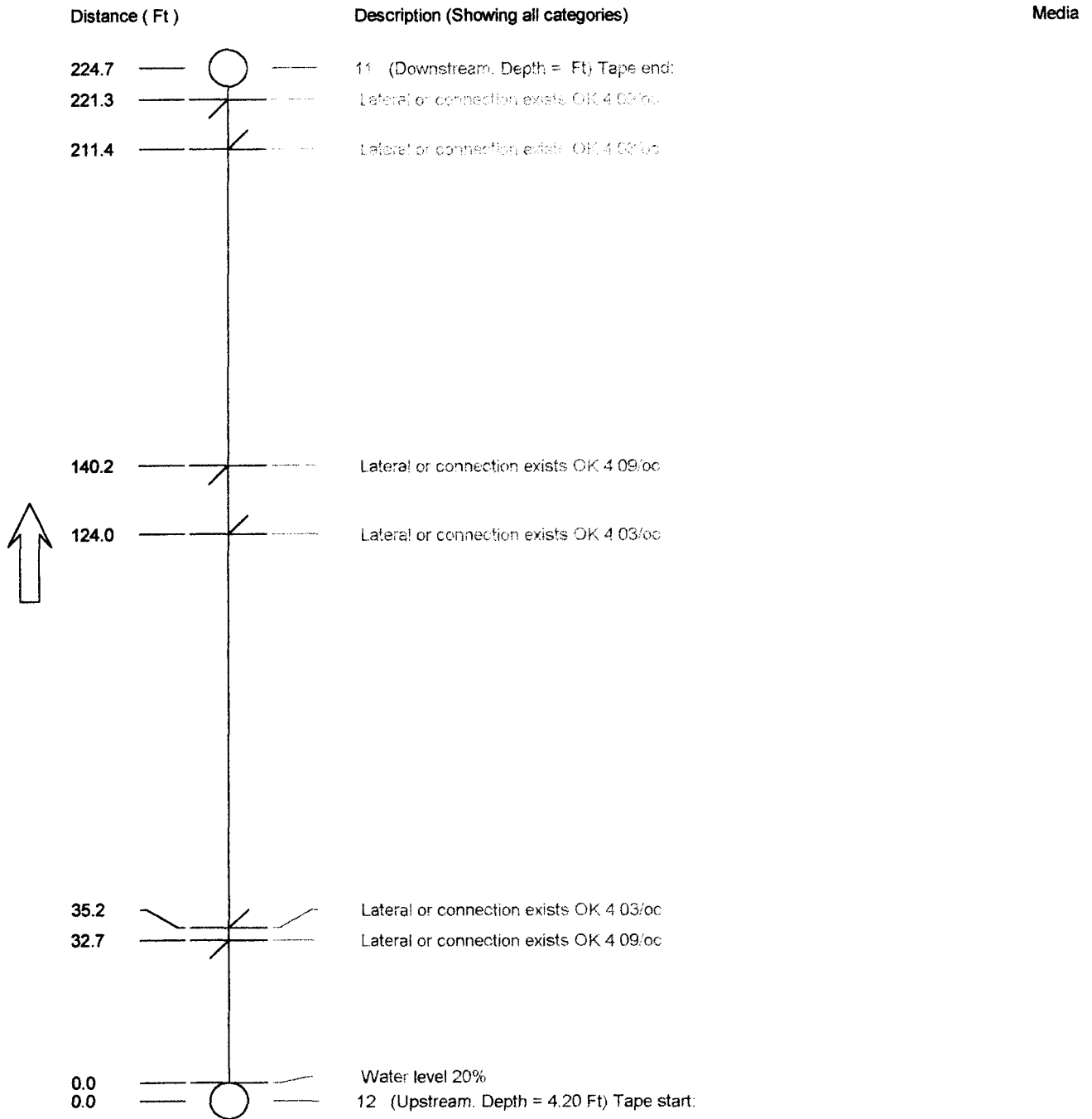
<b>Job</b>	<b>Contract</b>	<b>Cassette 2</b>	<b>Surveyed On</b> 07/30/2004	<b>Sheet</b> 13
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 340.9 Ft	<b>From</b> 5	<b>Depth</b> 6.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 4	<b>Depth</b> 5.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 12 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b> 187' PIPE SIZE REDUCED BY 4" LATERAL		Manufactured	Open	Good



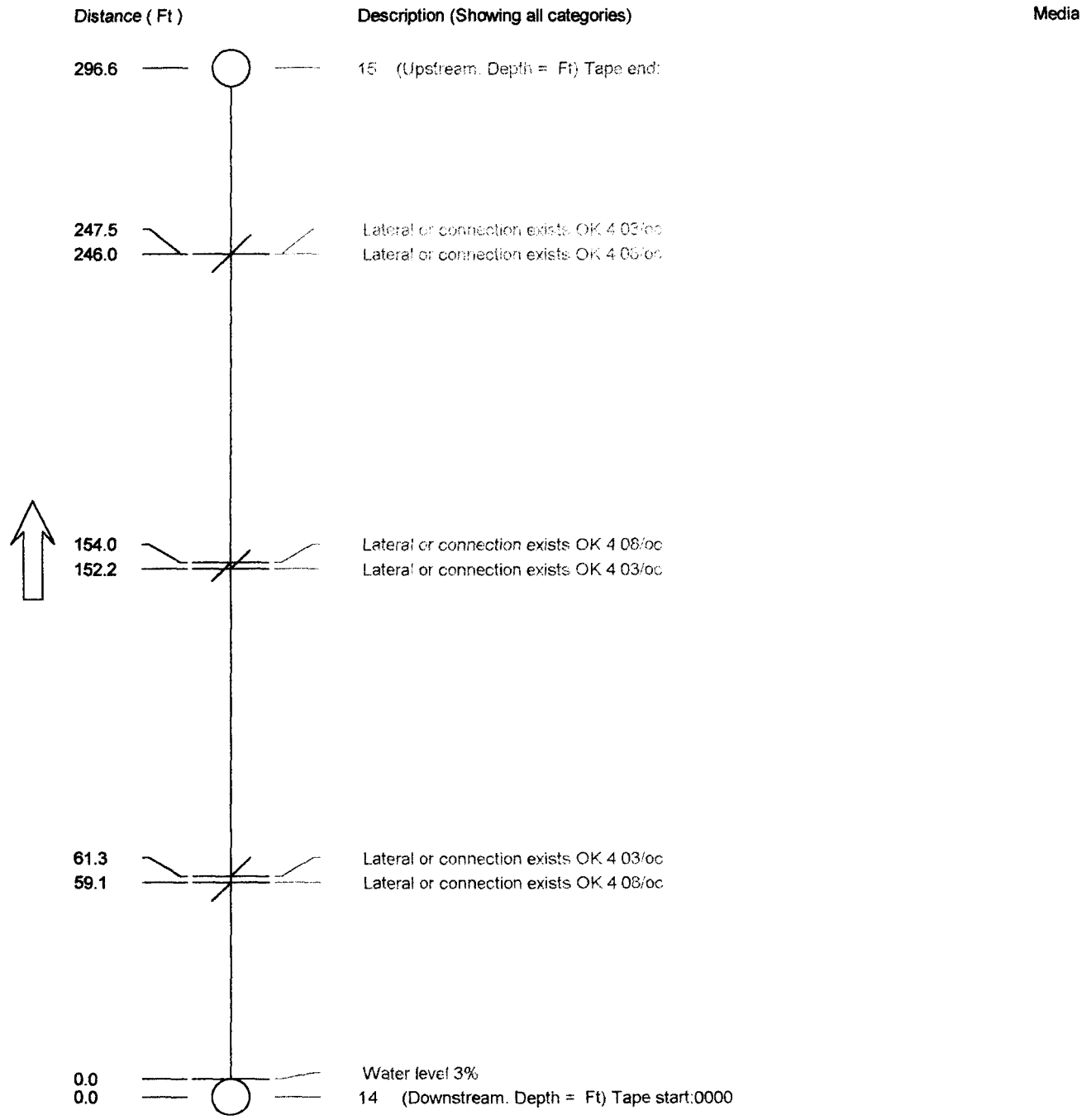
<b>Job</b>	<b>Contract</b>	<b>Cassette 2</b>	<b>Surveyed On</b> 07/30/2004	<b>Sheet</b> 14
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 340.9 Ft	<b>From</b> 6	<b>Depth</b> 5.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 7	<b>Depth</b> 8.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 5 FOR REVERSE SET UP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b> 76.9' PIPE DIM REDUCED BY 4" LATERAL		<b>Material</b>	<b>Height</b>	<b>Notes</b>



<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette 2</b> Weather Dry	<b>Surveyed On</b> 07/30/2004	<b>Sheet</b> 15
<b>Road Name</b> SW 5TH CT.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 224.7 Ft	<b>From</b> 12	<b>Depth</b> 4.20 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 11	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 7		Structural	Service	Other (Material)
<b>Location note</b>		Min. depth		



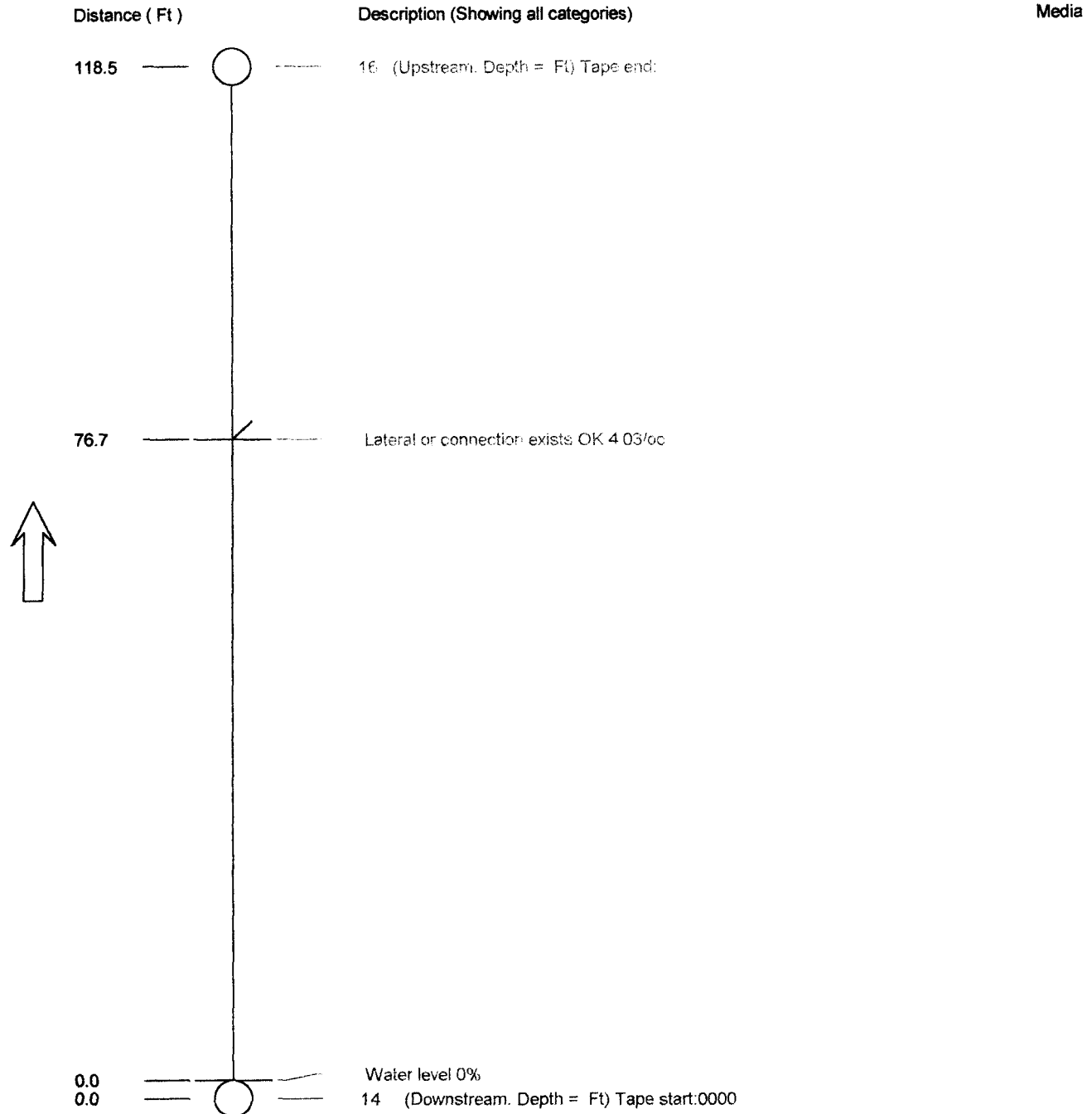
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette 2</b>	<b>Surveyed On</b> 08/05/2004	<b>Sheet</b> 16
<b>Road Name</b> MADRID CT.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 296.6 Ft	<b>From</b> 14	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 15	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>	Structural		Service	Operational
<b>Location note</b>	Pipe		Flow	



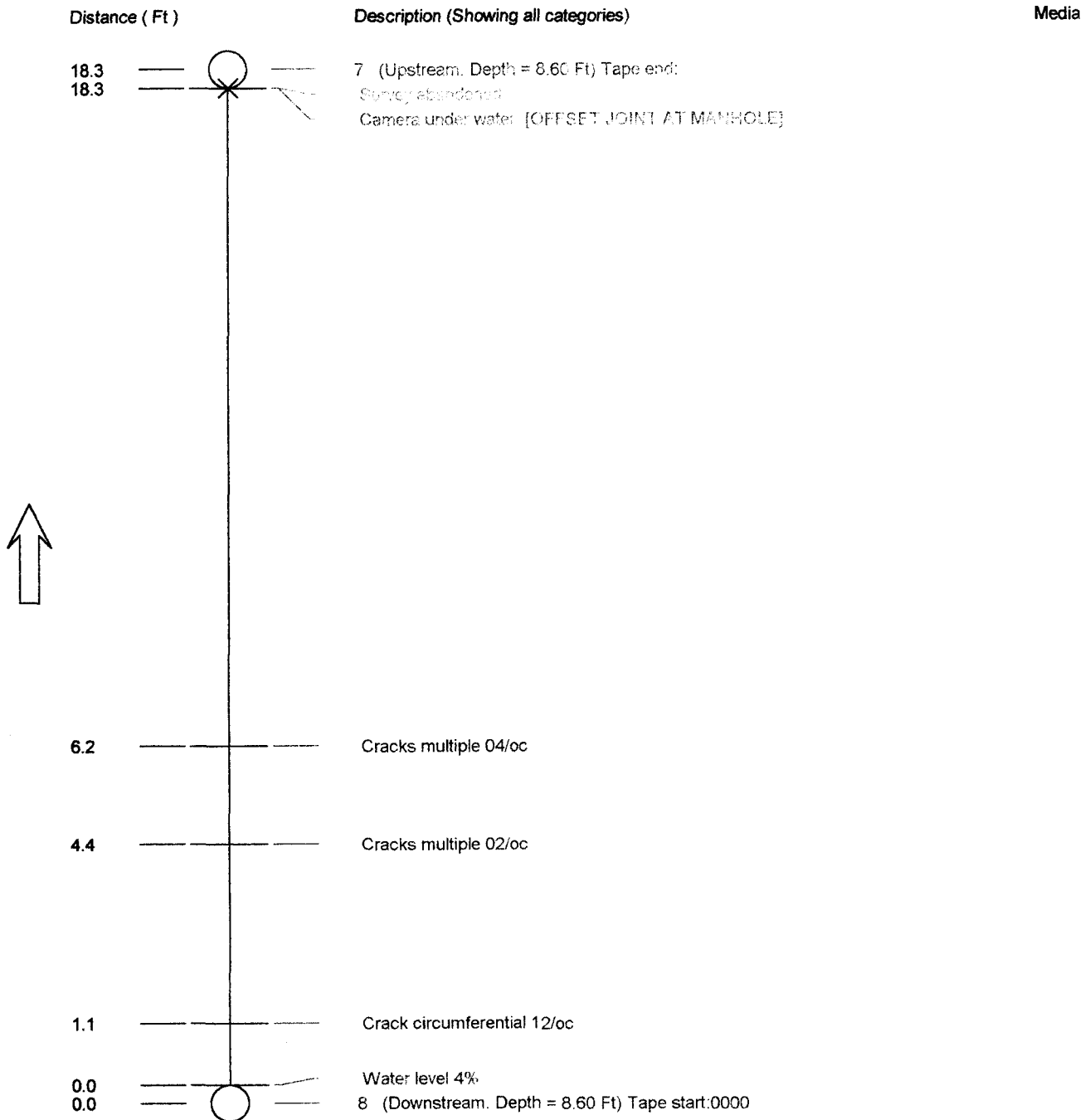
Pipe Graphic Report of PLR 16 X

for MID-COUNTY SERVICES, INC.

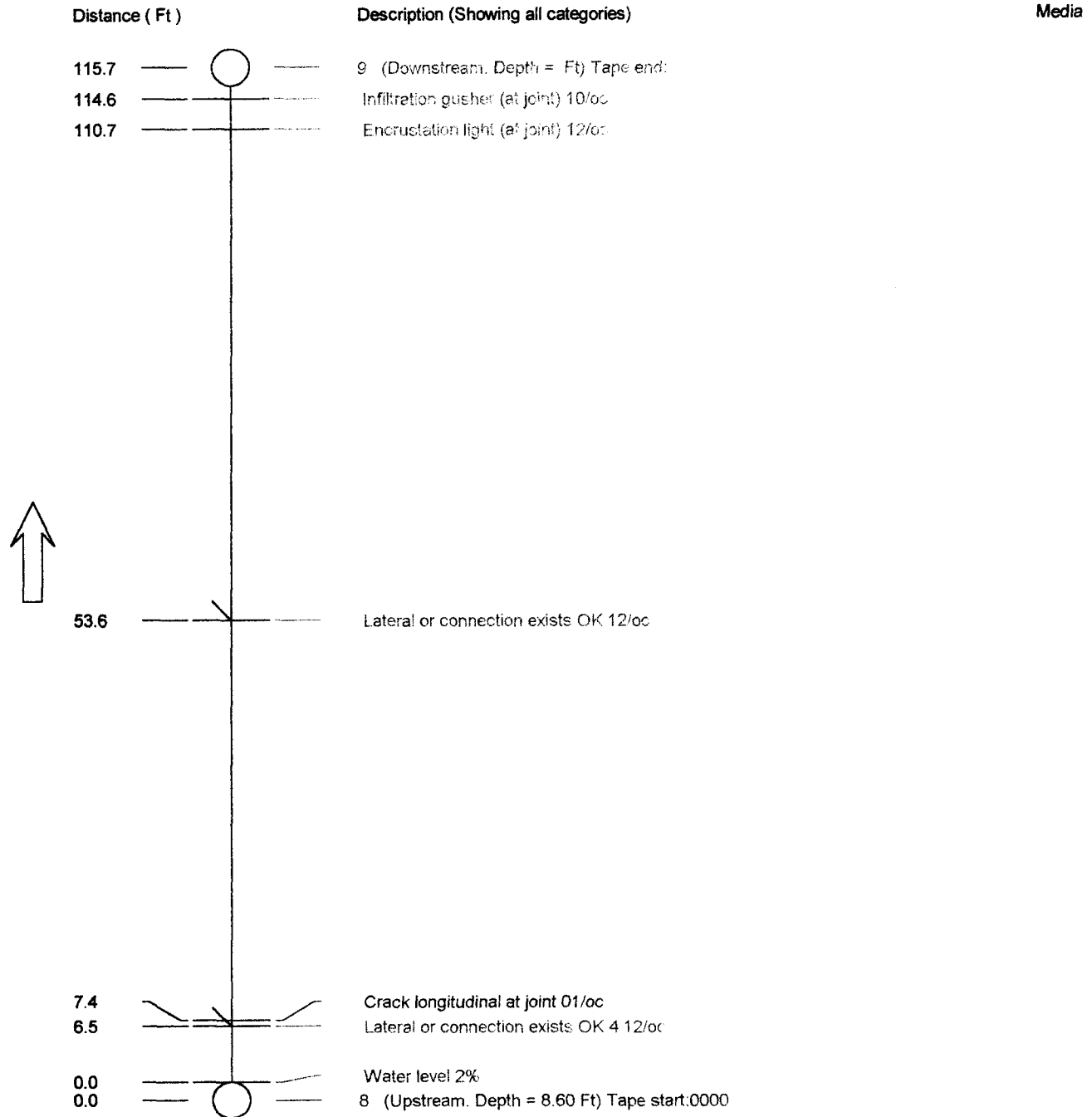
<b>Job</b>	<b>Contract</b>	<b>Cassette 2</b>	<b>Surveyed On</b> 08/05/2004	<b>Sheet</b> 17
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 118.5 Ft	<b>From</b> 14	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 16	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>	Structural		Service	Constructional
<b>Location note</b>	Minor		Major	Severe



<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette 2</b>	<b>Surveyed On</b> 08/05/2004	<b>Sheet</b> 18
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 18.3 Ft	<b>From</b> 8	<b>Depth</b> 8.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 7	<b>Depth</b> 8.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Material	Condition	

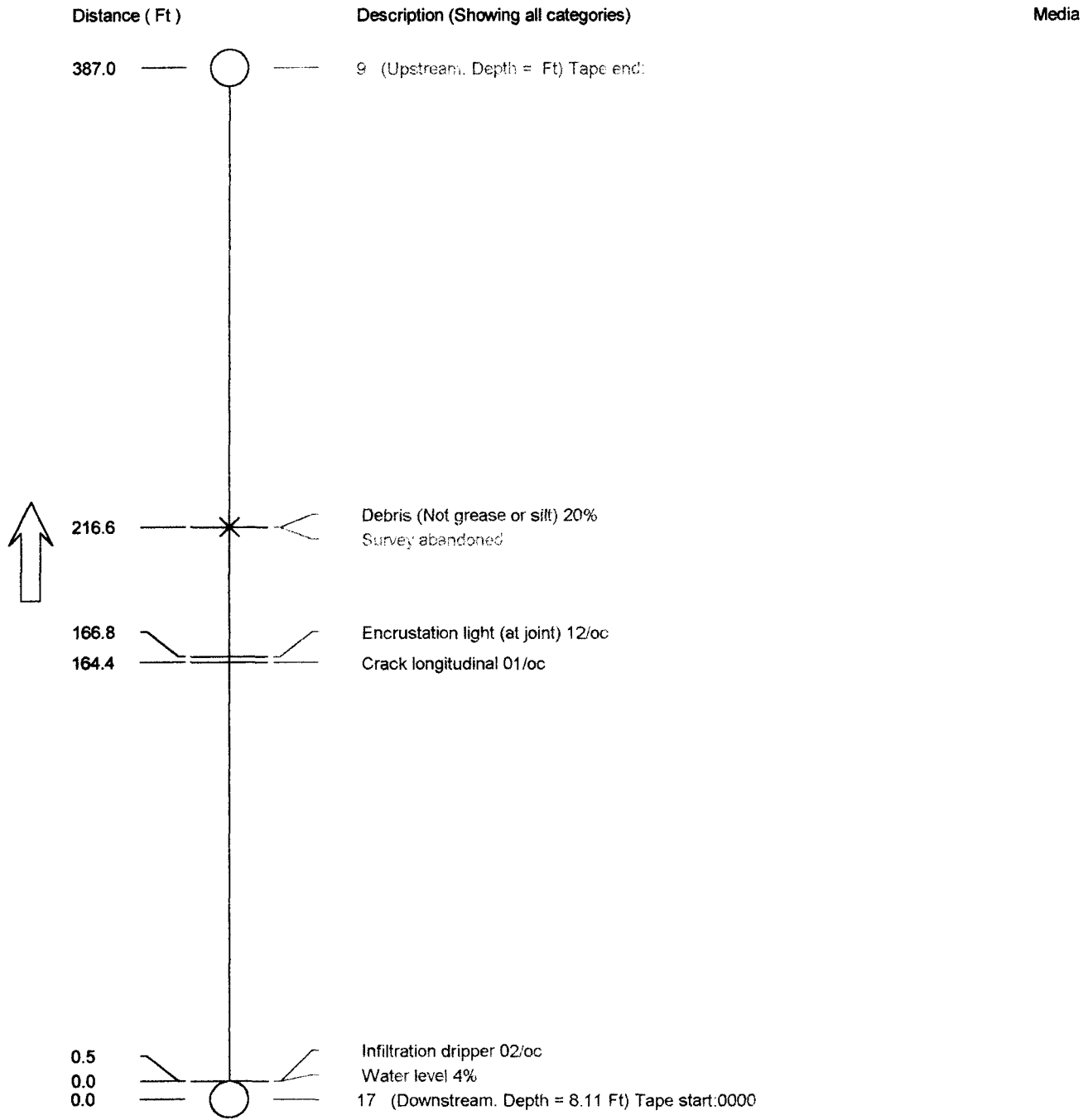


<b>Job</b>	<b>Contract</b>	<b>Cassette 2</b>	<b>Surveyed On</b> 08/05/2004	<b>Sheet</b> 19
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 115.7 Ft	<b>From</b> 8	<b>Depth</b> 8.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 9	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Condition
<b>Location note</b>		Material	Flow	

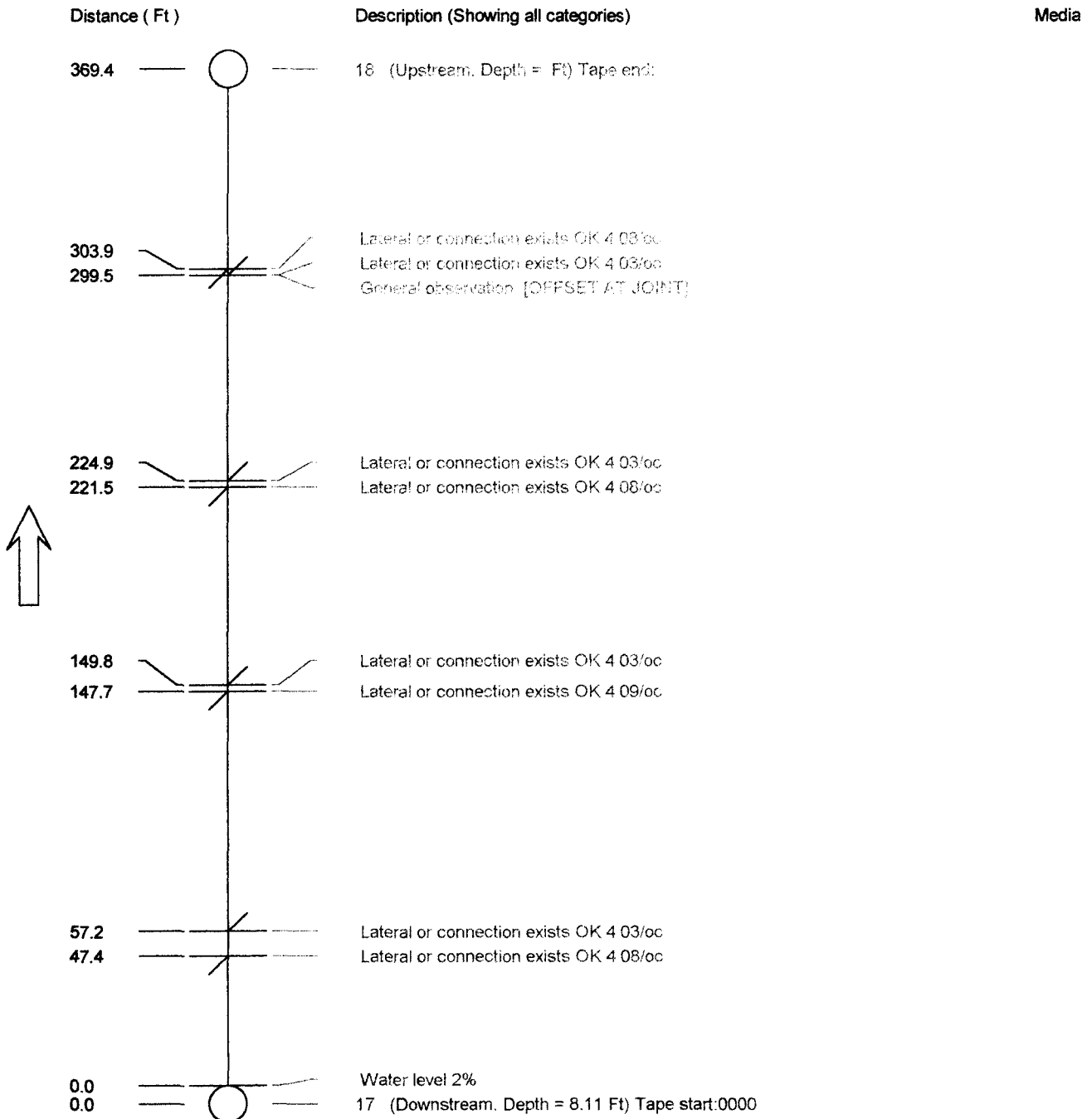




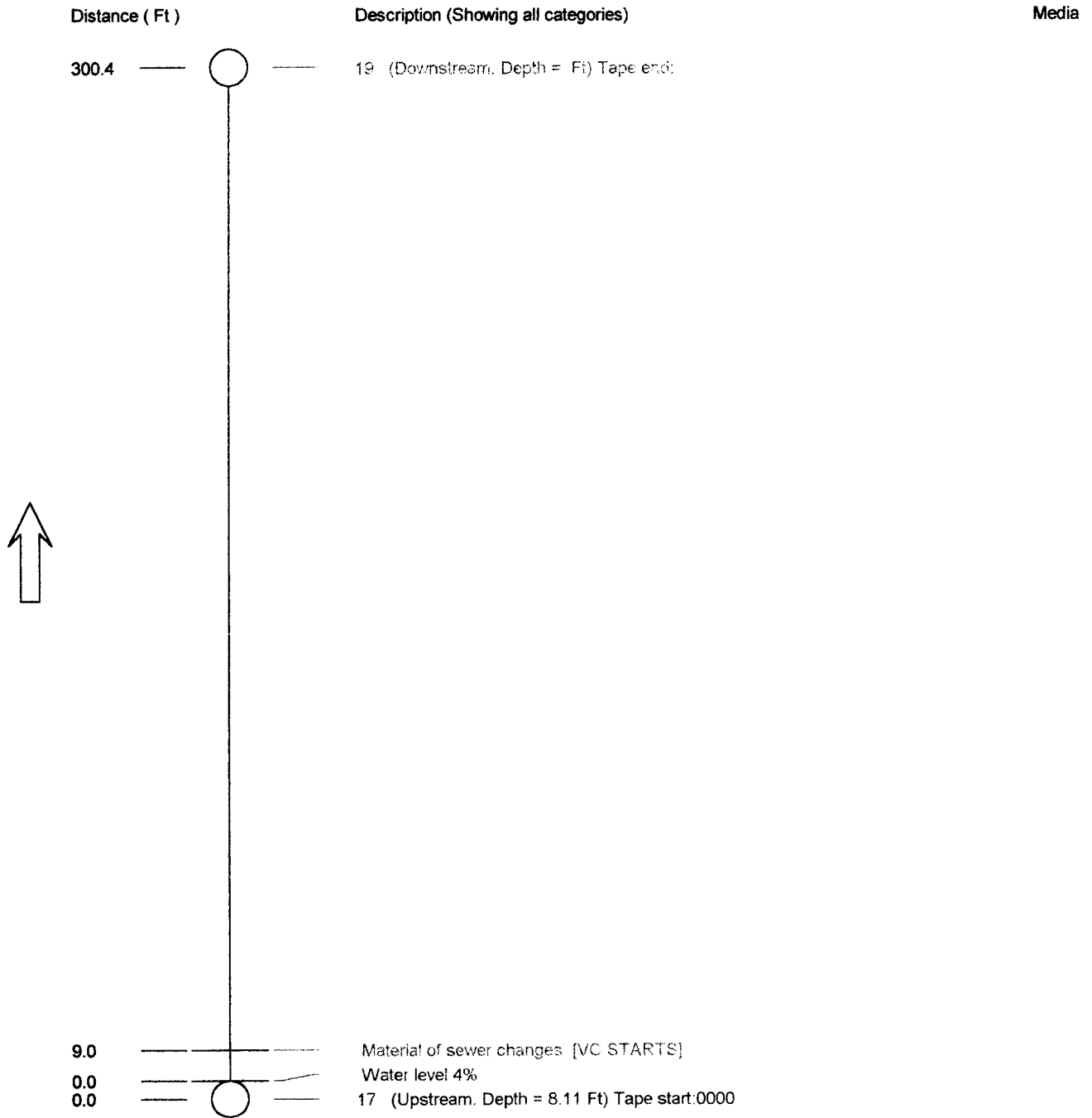
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette 3</b>	<b>Surveyed On</b> 08/05/2004	<b>Sheet</b> 20
<b>Road Name</b> 6TH ST.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 387.0 Ft	<b>From</b> 17	<b>Depth</b> 8.11 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 9	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>Lining</b>	<b>Year laid</b> Cat A			
<b>General note</b> SEE SHEET 23 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>				



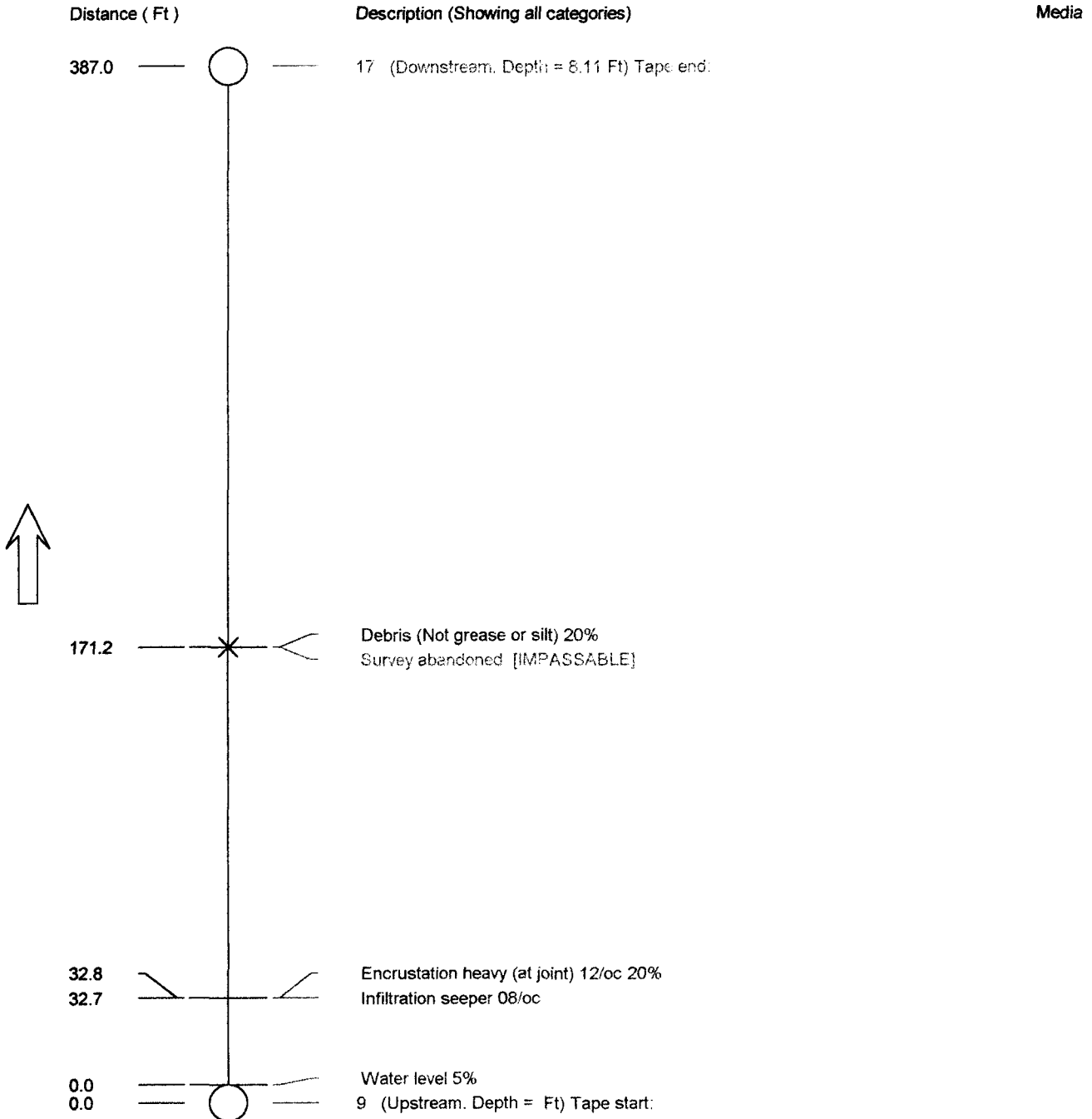
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 3	<b>Surveyed On</b> 08/05/2004	<b>Sheet</b> 21
<b>Road Name</b> 7TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 369.4 Ft	<b>From</b> 17	<b>Depth</b> 8.11 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 18	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Cost functional
<b>Location note</b>		Map/line out		



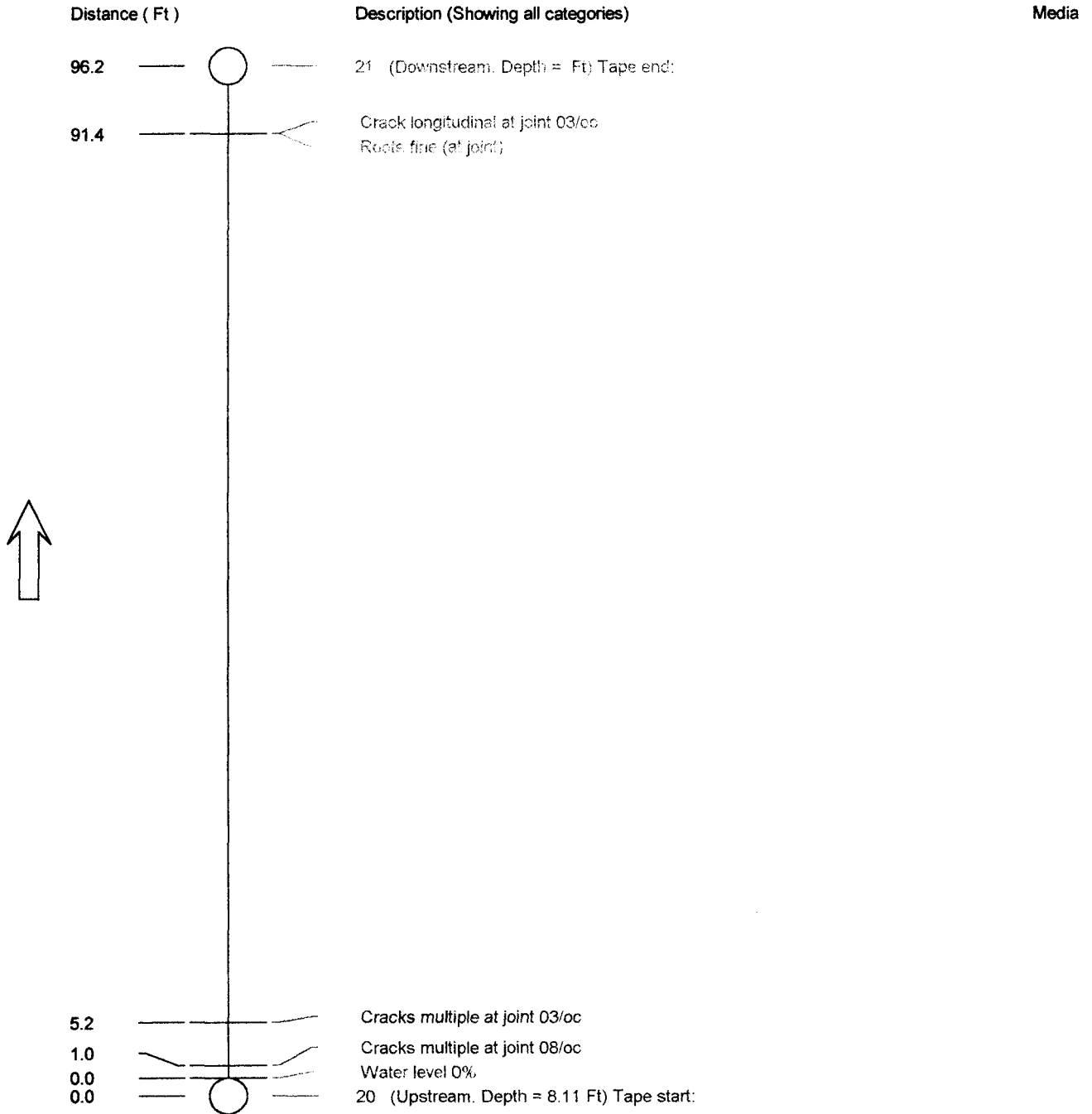
<b>Job</b>	<b>Contract</b>	<b>Cassette 3</b>	<b>Surveyed On</b> 08/05/2004	<b>Sheet</b> 22
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 6TH ST.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 300.4 Ft	<b>From</b> 17	<b>Depth</b> 8.11 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 19	<b>Depth</b> Ft	
<b>Material</b> Other (state in comments)	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b> Other (state in comments)	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> PIPE HAS BEEN LINED.		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>		80.00 to 9.00		



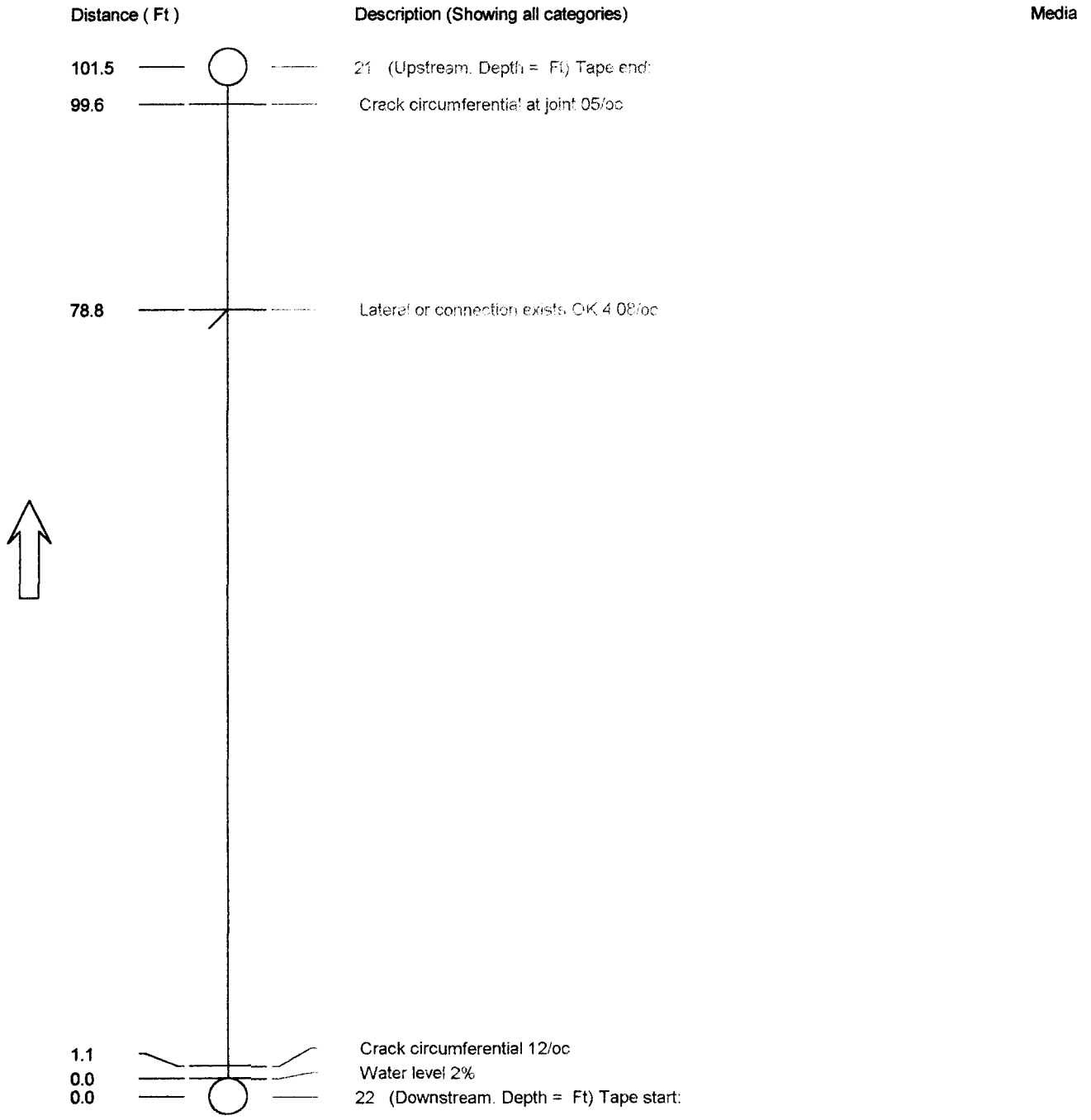
<b>Job</b>	<b>Contract</b>	<b>Cassette 3</b>	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 23
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 6TH ST.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 387.0 Ft	<b>From</b> 9	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 17	<b>Depth</b>	8.11 Ft
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 20 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>		Minor Blockage	None	Good



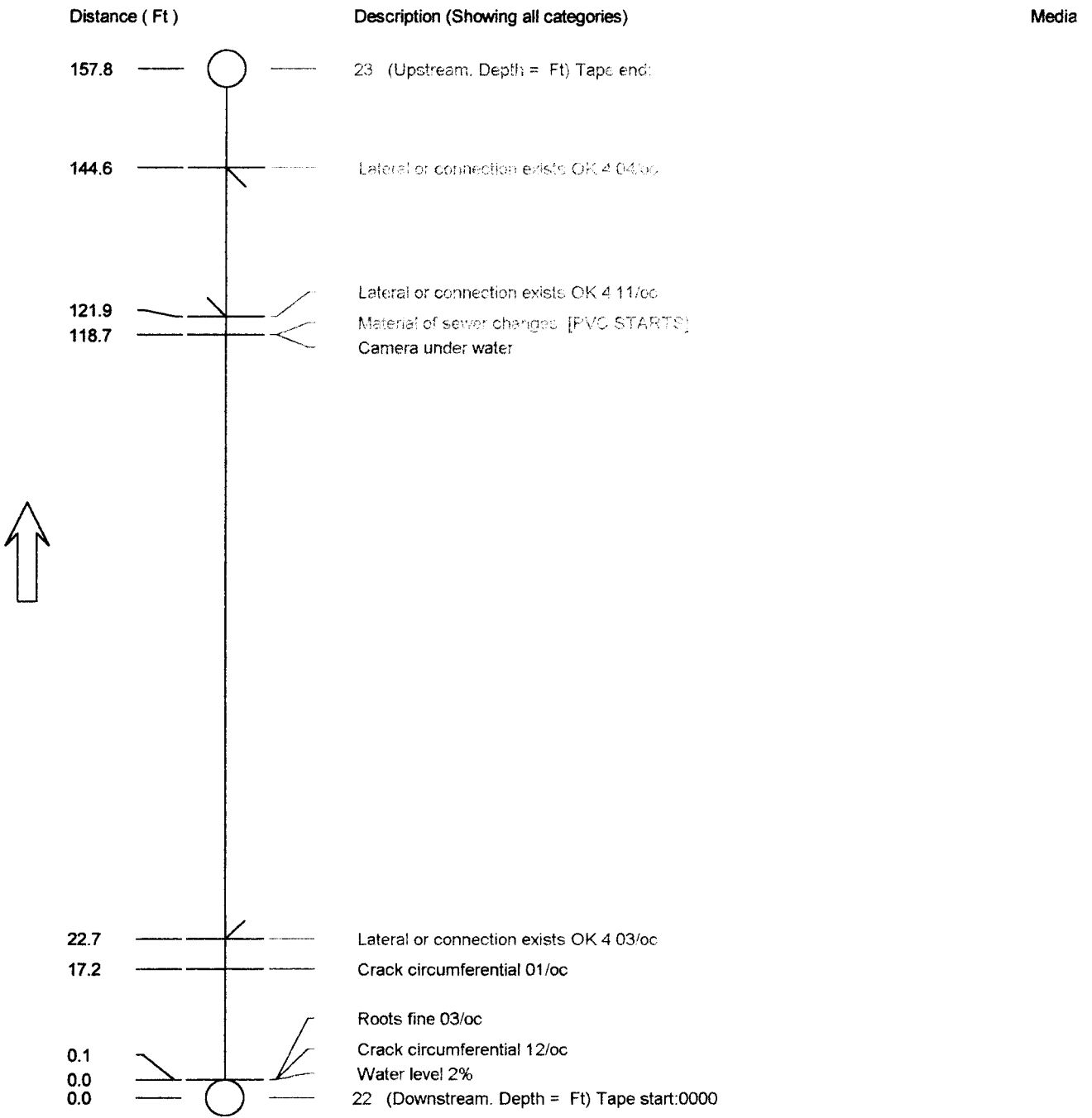
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 3	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 24
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 96.2 Ft	<b>From</b> 20	<b>Depth</b> 8.11 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 21	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structure	Service	Construction
<b>Location note</b>		Miscellaneous		



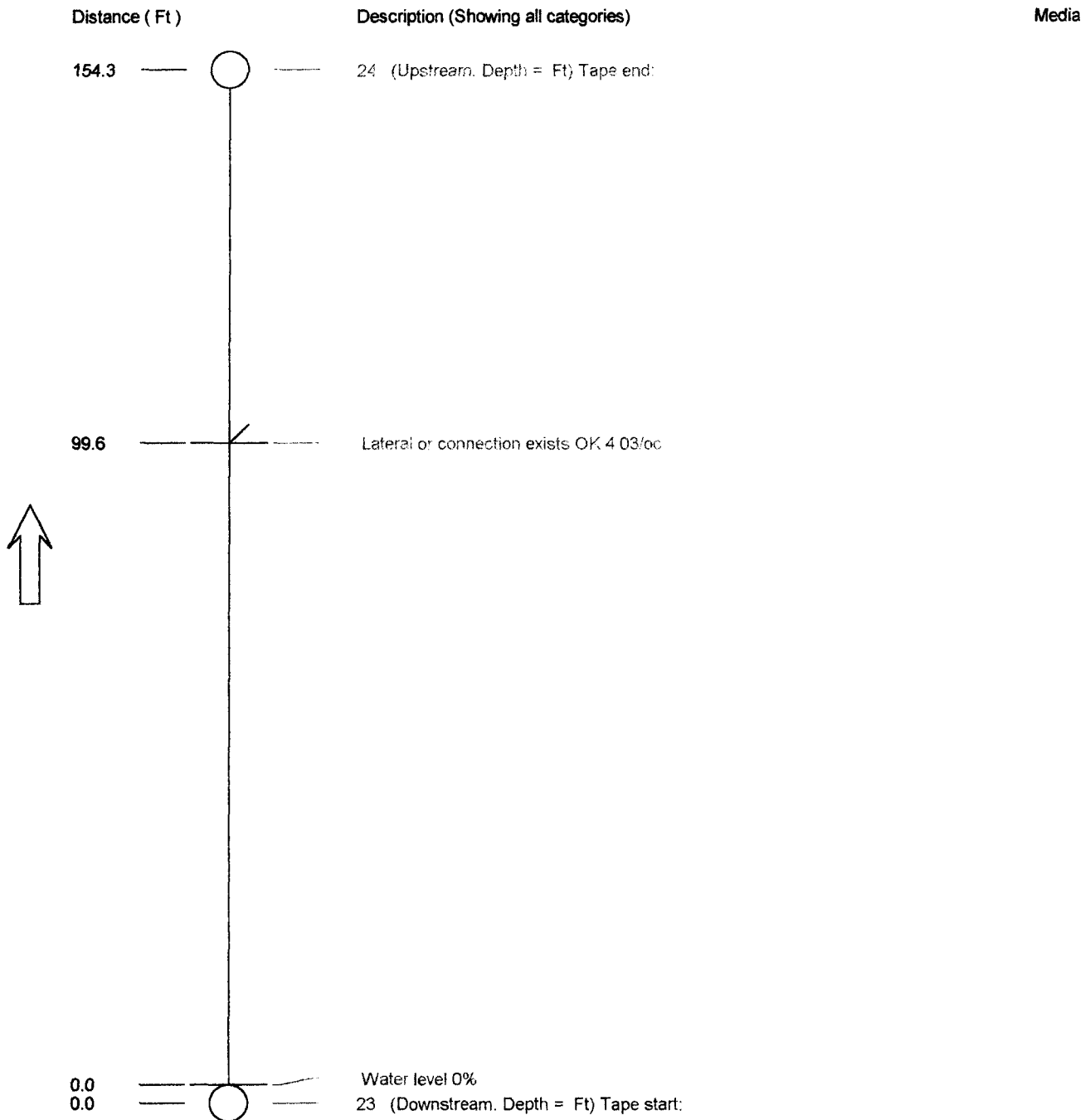
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 3	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 25
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 101.5 Ft	<b>From</b> 22	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 21	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Crack circumferential
<b>Location note</b>		11/12/03		



<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 4	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 26
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 157.8 Ft	<b>From</b> 22	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 23	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>	Structural		Service	General
<b>Location note</b>	Location		...	...

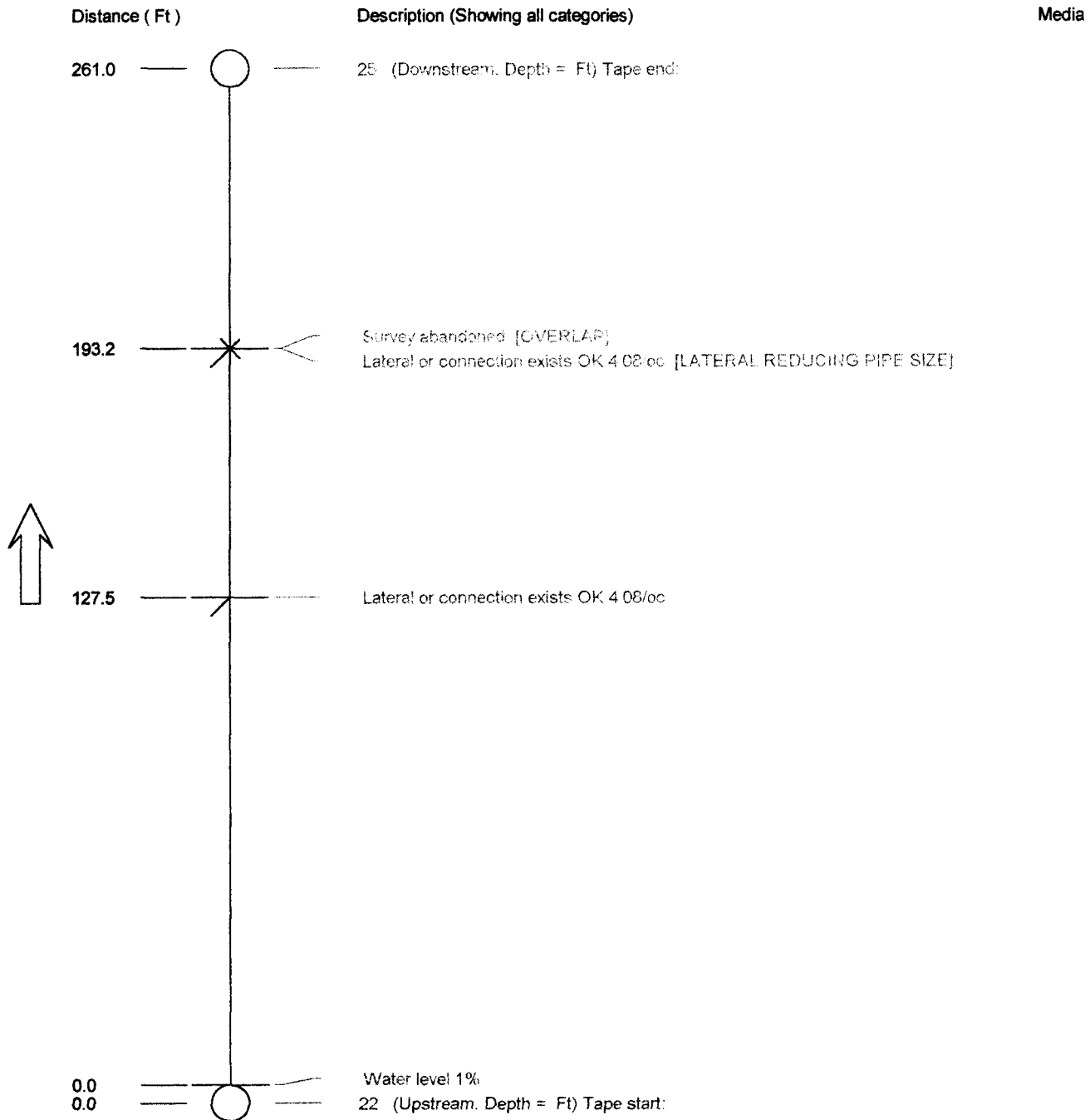


<b>Job</b>	<b>Contract</b>	<b>Cassette 4</b>	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 27
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 154.3 Ft	<b>From</b> 23	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 24	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Good Condition
<b>Location note</b>		Model: 1000	1/2" / 1"	

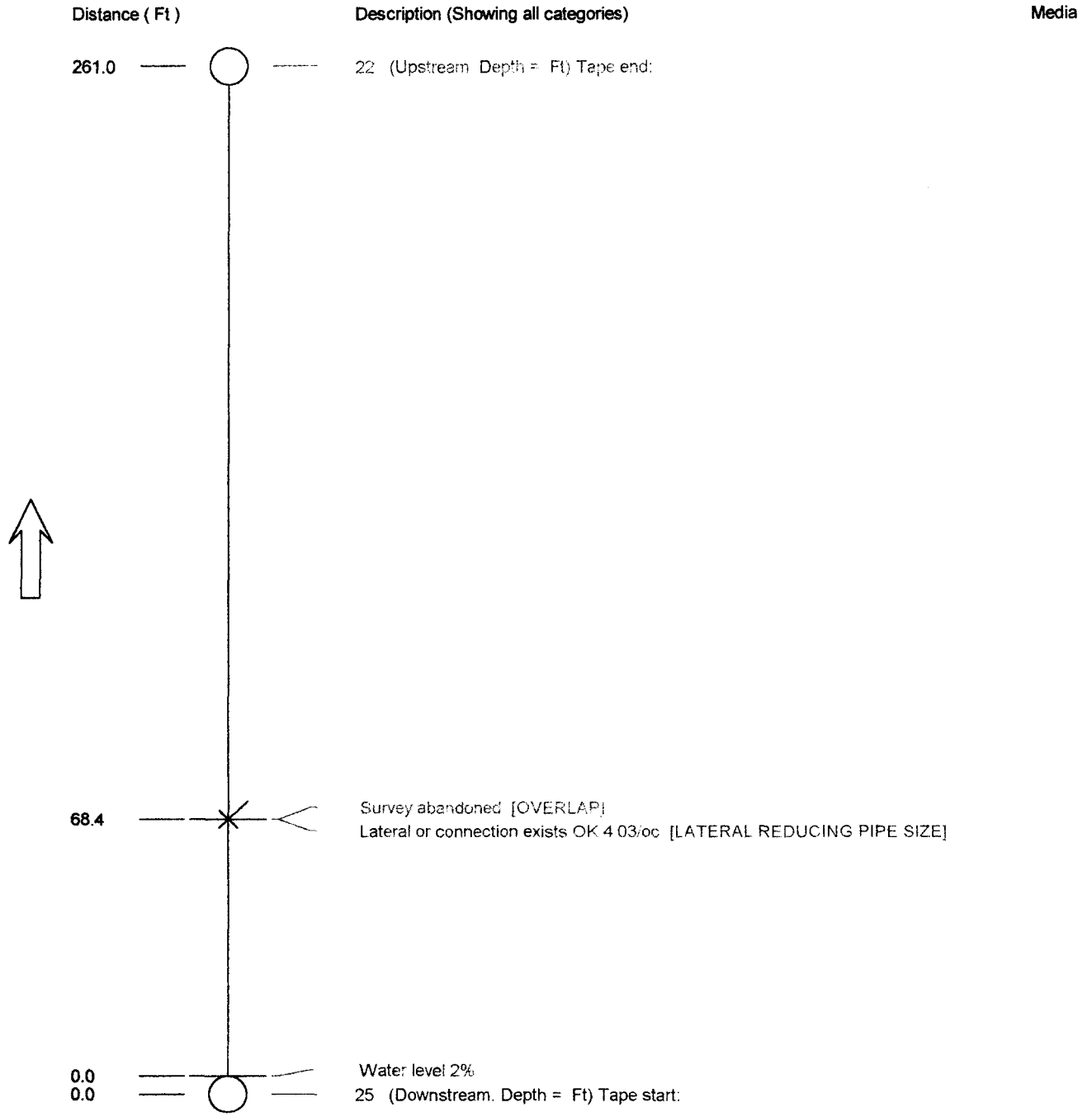




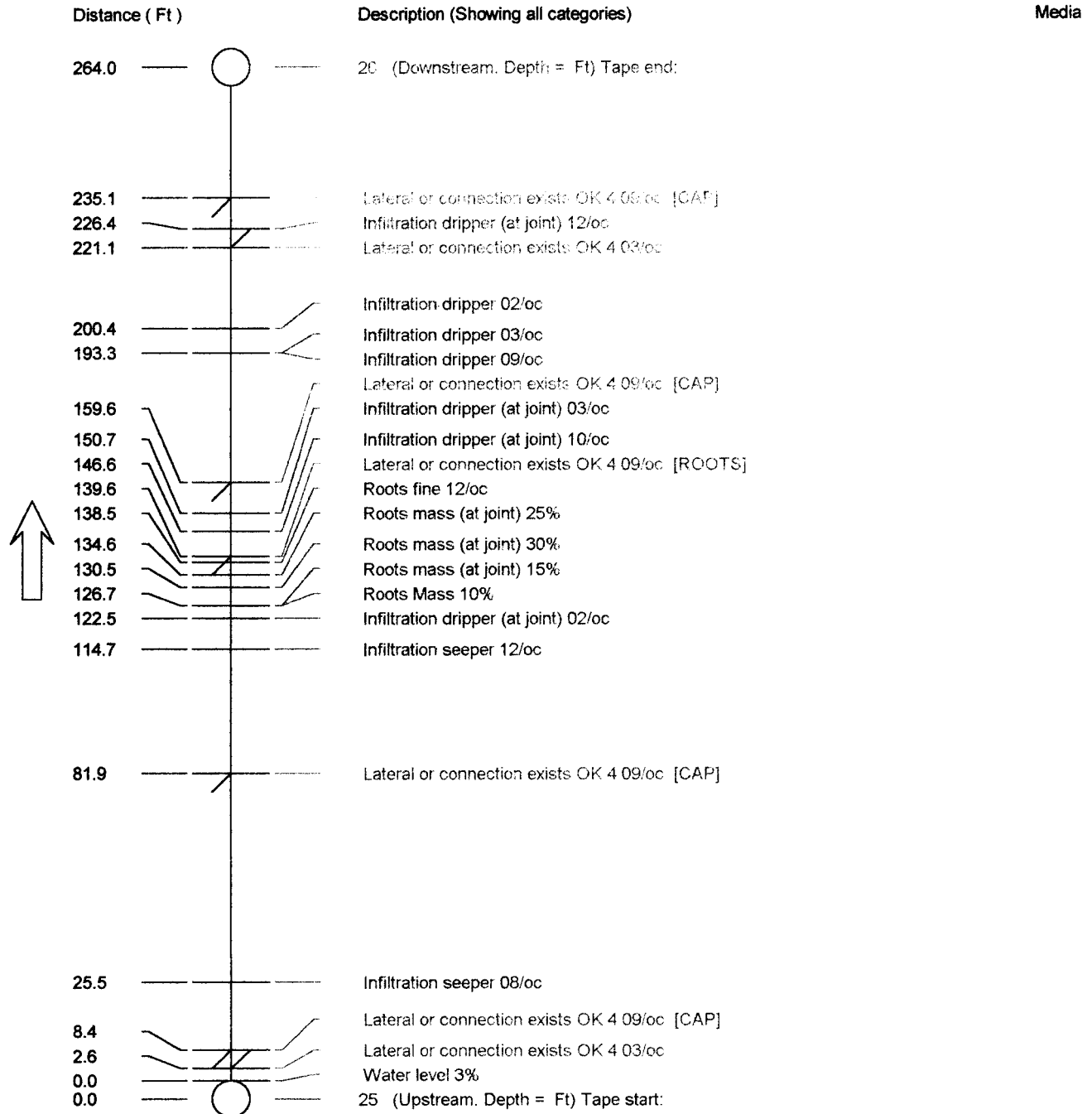
<b>Job</b>	<b>Contract</b>	<b>Cassette 4</b>	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 28
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 261.0 Ft	<b>From</b> 22	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 25	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Material	Condition	Media



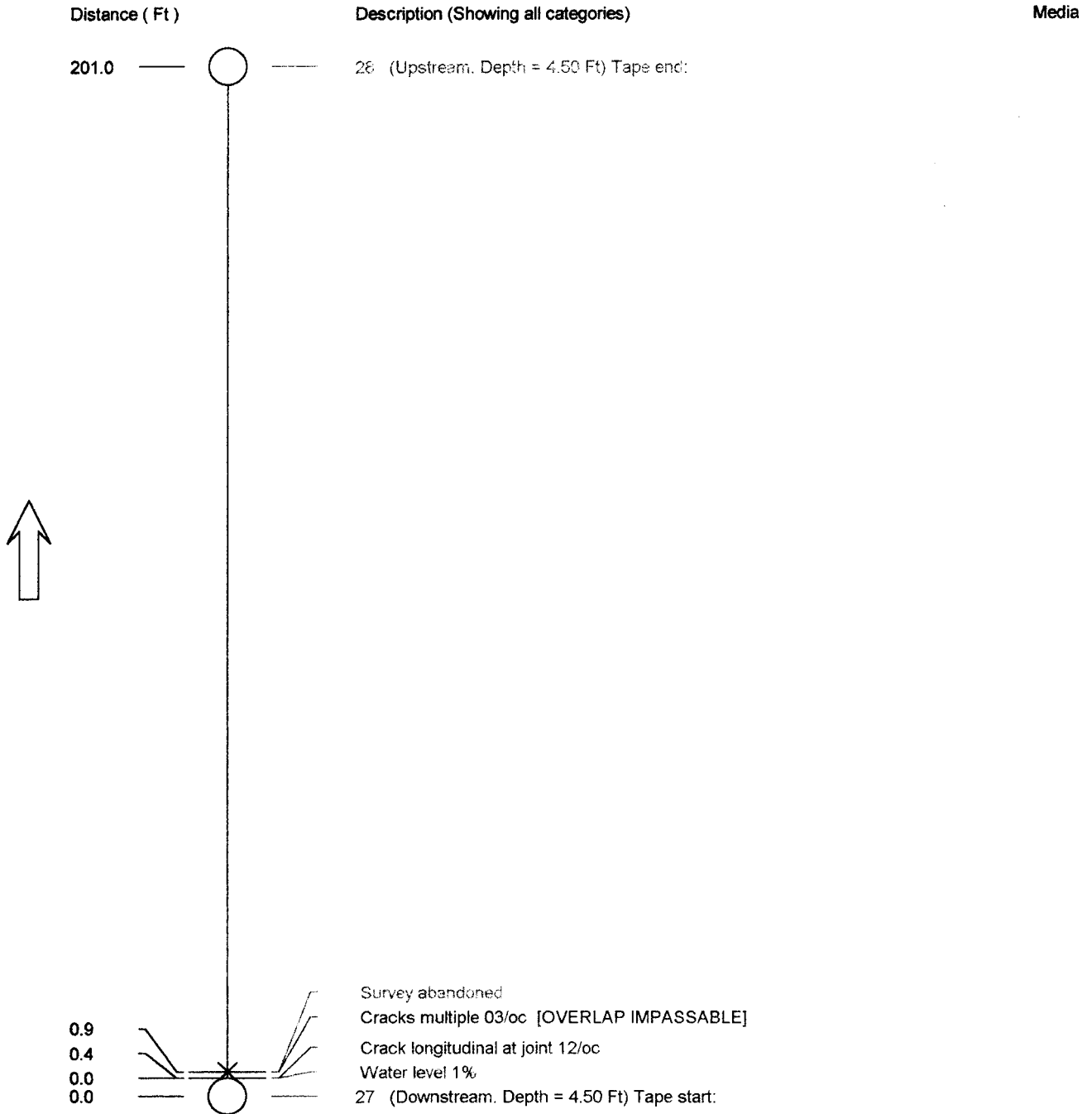
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 4	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 29
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 261.0 Ft	<b>From</b> 25	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 22	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SHEE SHEET 28 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		Medium	Low	High



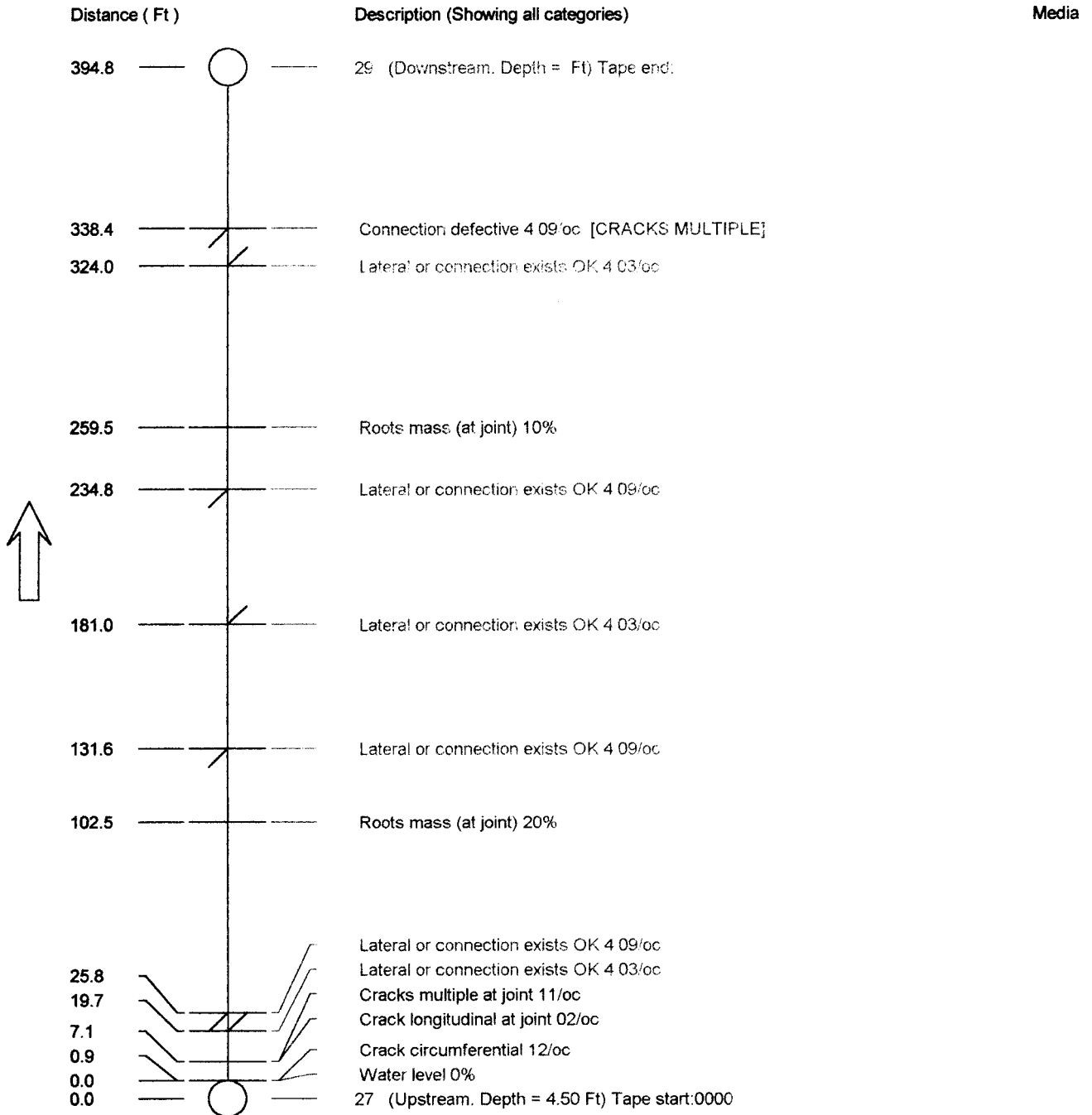
<b>Job</b>	<b>Contract</b>	<b>Cassette 4</b>	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 30
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 264.0 Ft	<b>From</b> 25	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 26	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Insulation	Condition	



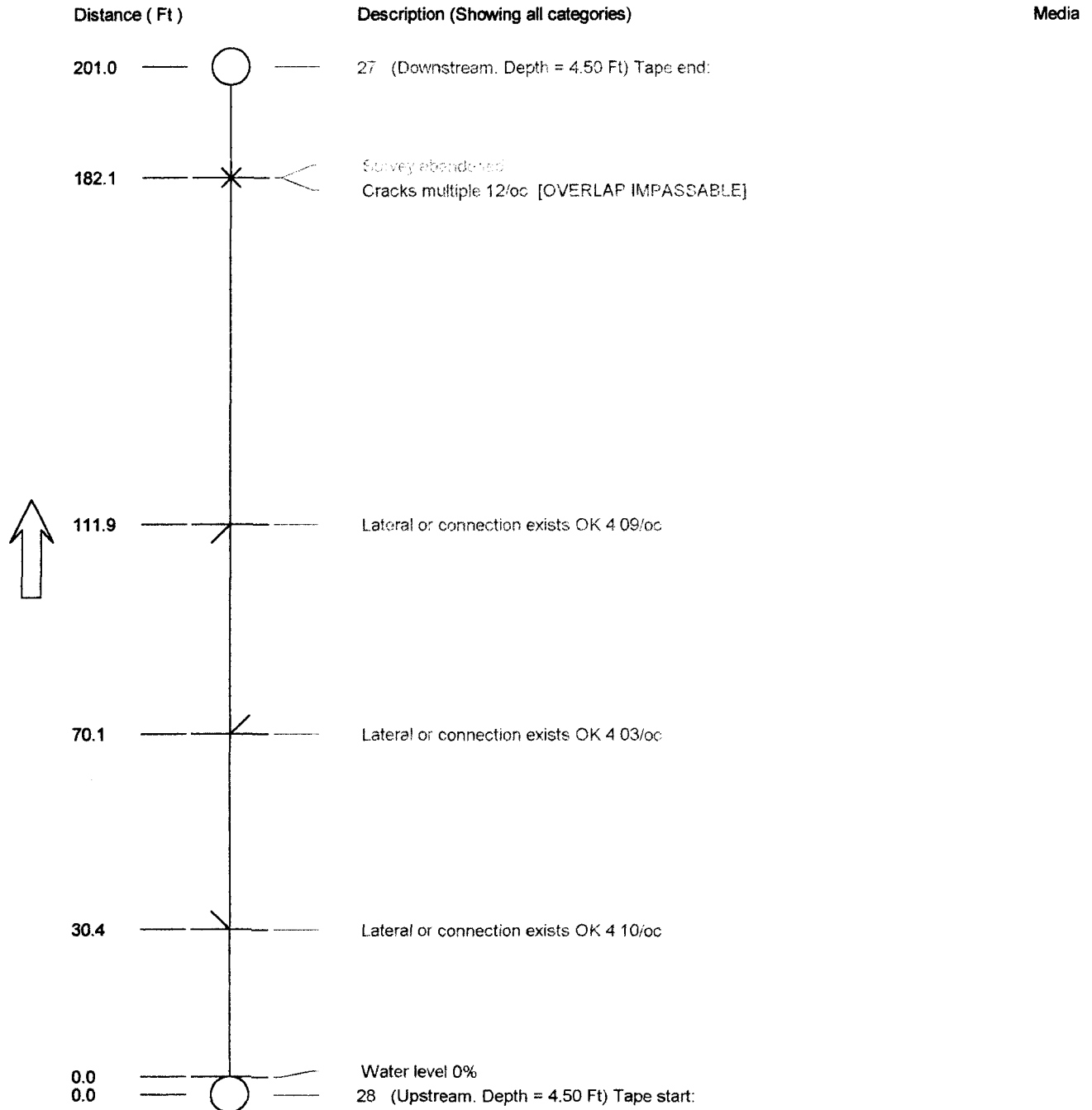
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 4	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 31
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 201.0 Ft	<b>From</b> 27	<b>Depth</b> 4.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 28	<b>Depth</b> 4.50 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 33 FOR REVERSE SET UP		<b>Structural</b>	<b>Service</b>	<b>Constructional</b>
<b>Location note</b>		<b>Media</b>		



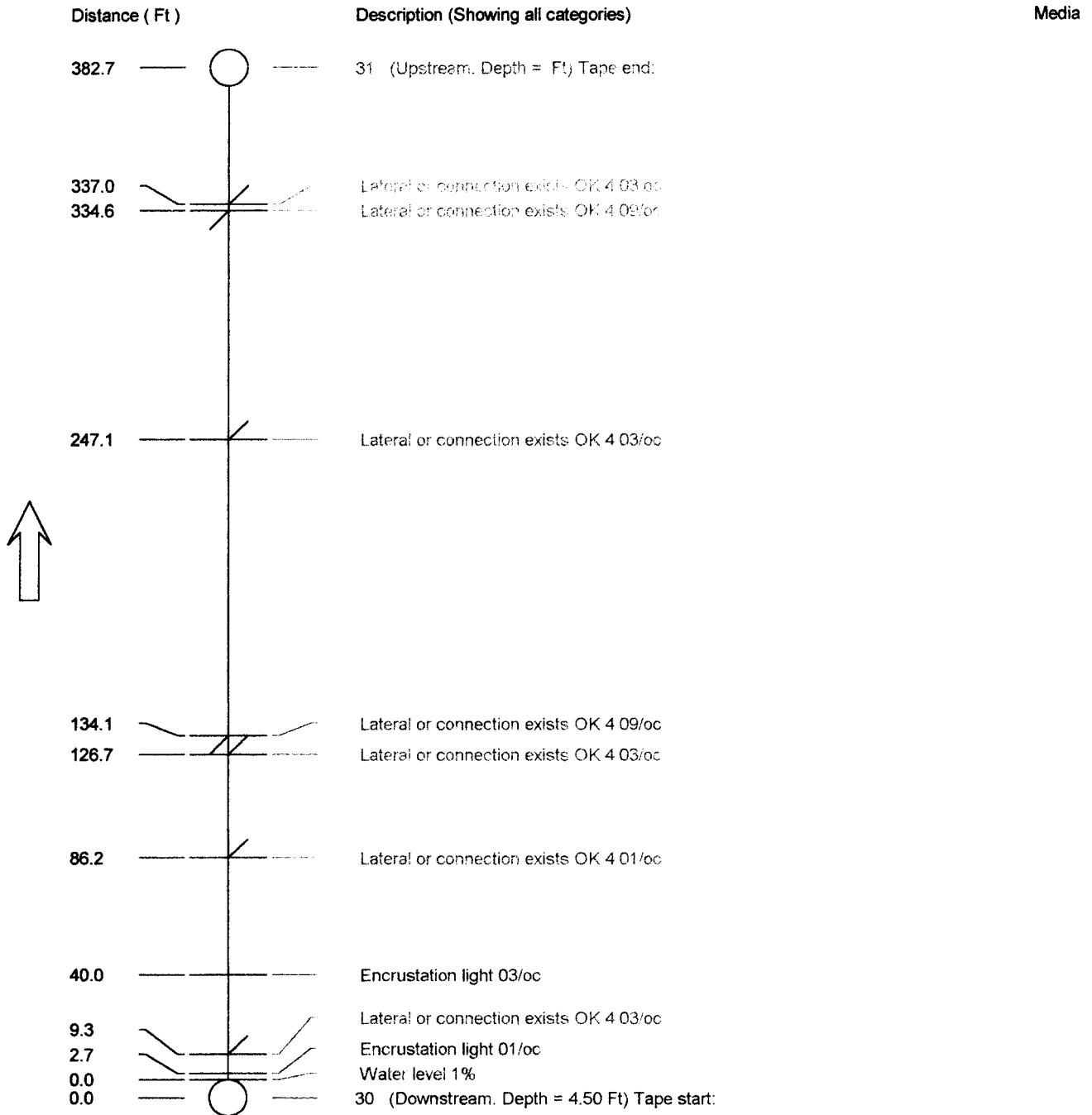
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 4	<b>Surveyed On</b> 08/06/2004	<b>Sheet</b> 32
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic,town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 394.8 Ft	<b>From</b> 27	<b>Depth</b> 4.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 <b>by</b> Ins	<b>To</b> 29	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Operational
<b>Location note</b>		Minor	Major	Severe



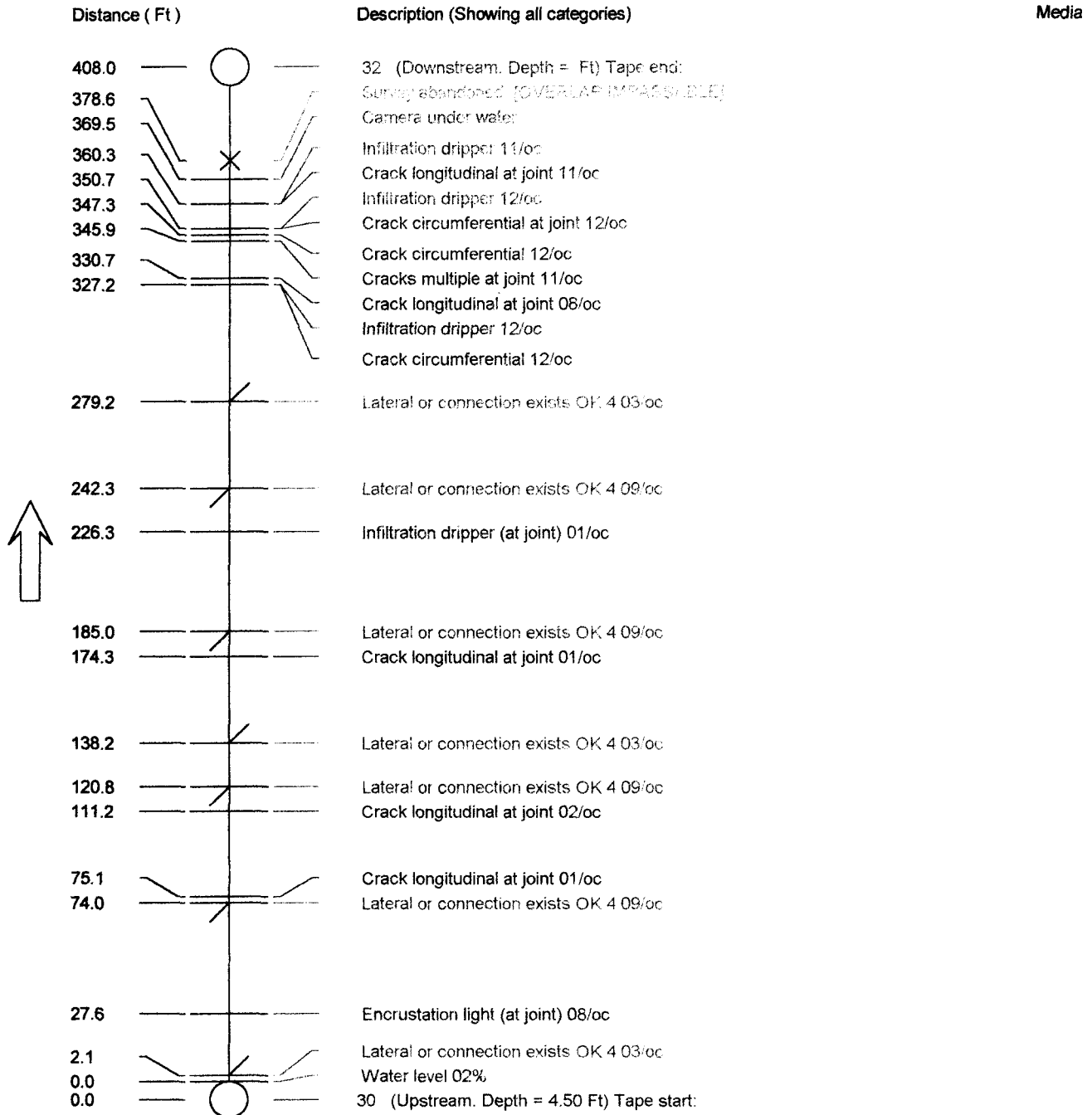
<b>Job</b>	<b>Contract</b>	<b>Cassette 5</b>	<b>Surveyed On</b> 08/09/2004	<b>Sheet</b> 33
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 201.0 Ft	<b>From</b> 28	<b>Depth</b> 4.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 27	<b>Depth</b> 4.50 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 31 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>				



<b>Job</b>	<b>Contract</b>	<b>Cassette 5</b>	<b>Surveyed On</b> 08/09/2004	<b>Sheet</b> 34
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 382.7 Ft	<b>From</b> 30	<b>Depth</b> 4.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 31	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>Lining</b>	<b>Year laid</b> Cat A			
<b>General note</b>		Structural	Service	Constructional
<b>Location note</b>		Miscellaneous	...	...

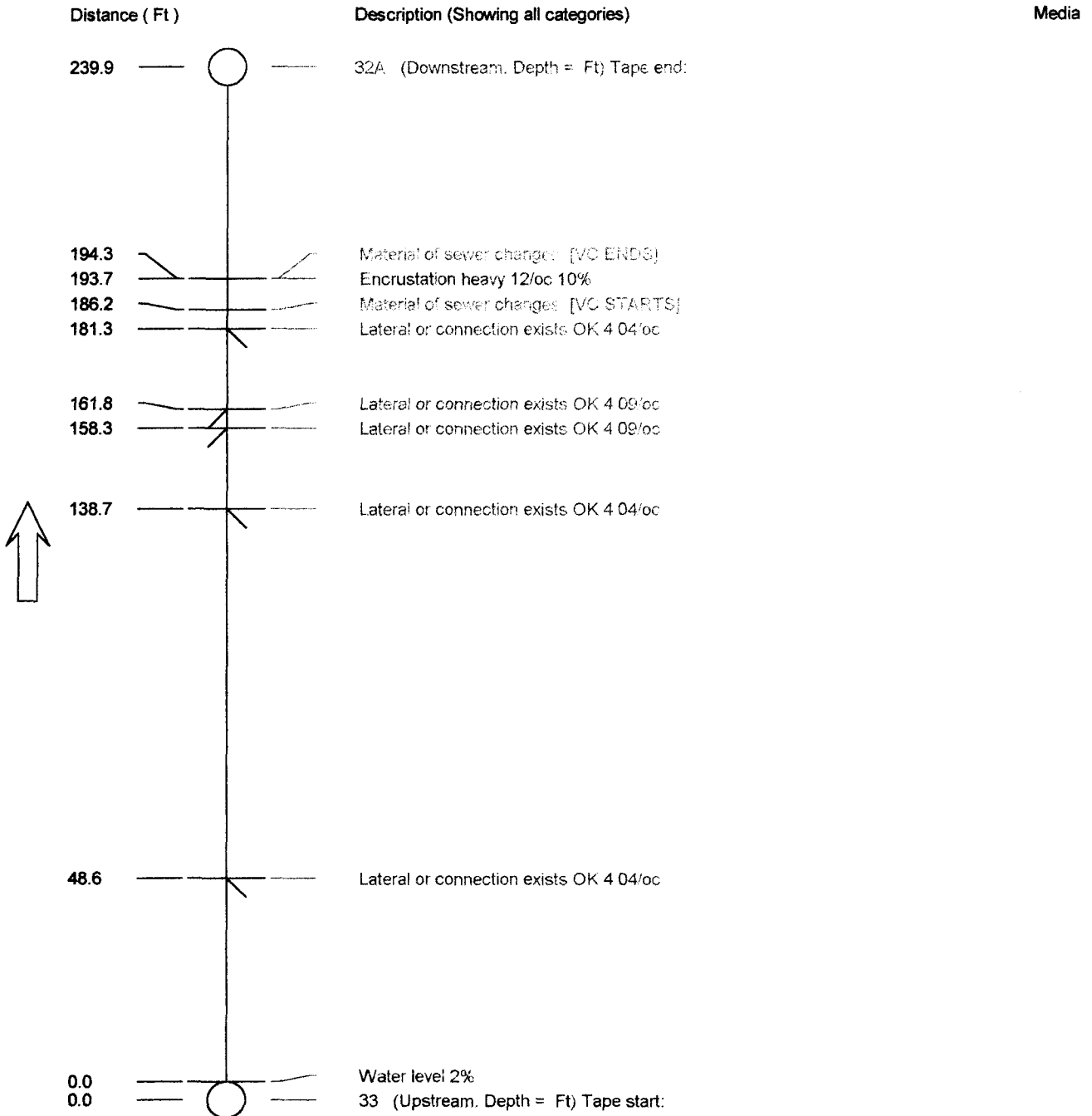


<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 5	<b>Surveyed On</b> 08/09/2004	<b>Sheet</b> 35
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 408.0 Ft	<b>From</b> 30	<b>Depth</b> 4.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 32	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 37 FOR REVERSE SETUP		Structural	Service	Construction
<b>Location note</b>		Manufacture	Material	Installation





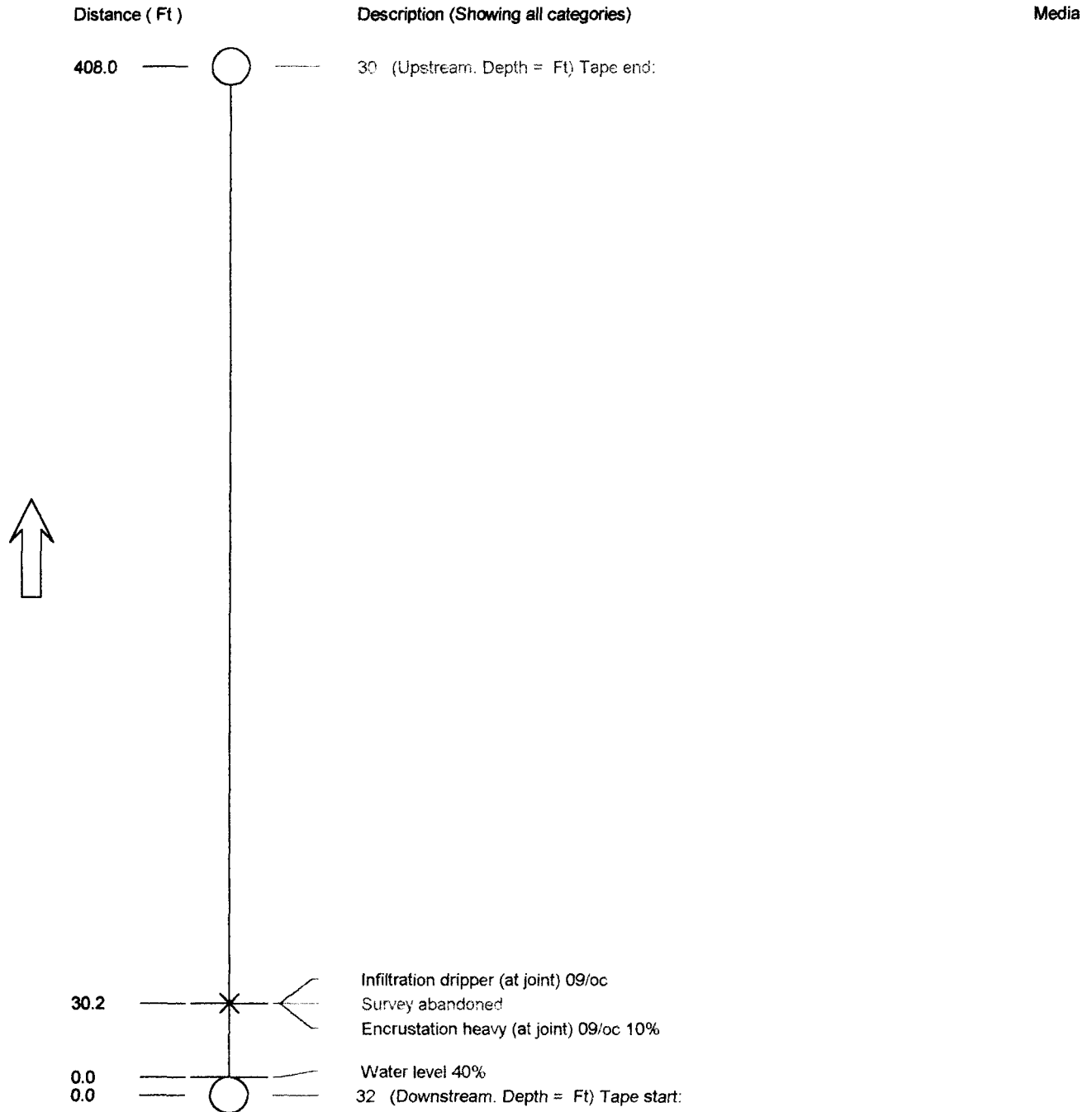
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 5	<b>Surveyed On</b> 08/09/2004	<b>Sheet</b> 36
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 239.9 Ft	<b>From</b> 33	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size by</b> Ins	<b>To</b> 32A	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Condition
<b>Location note</b>		Miscellaneous	Other	



Pipe Graphic Report of PLR 30 X

for MID-COUNTY SERVICES, INC.

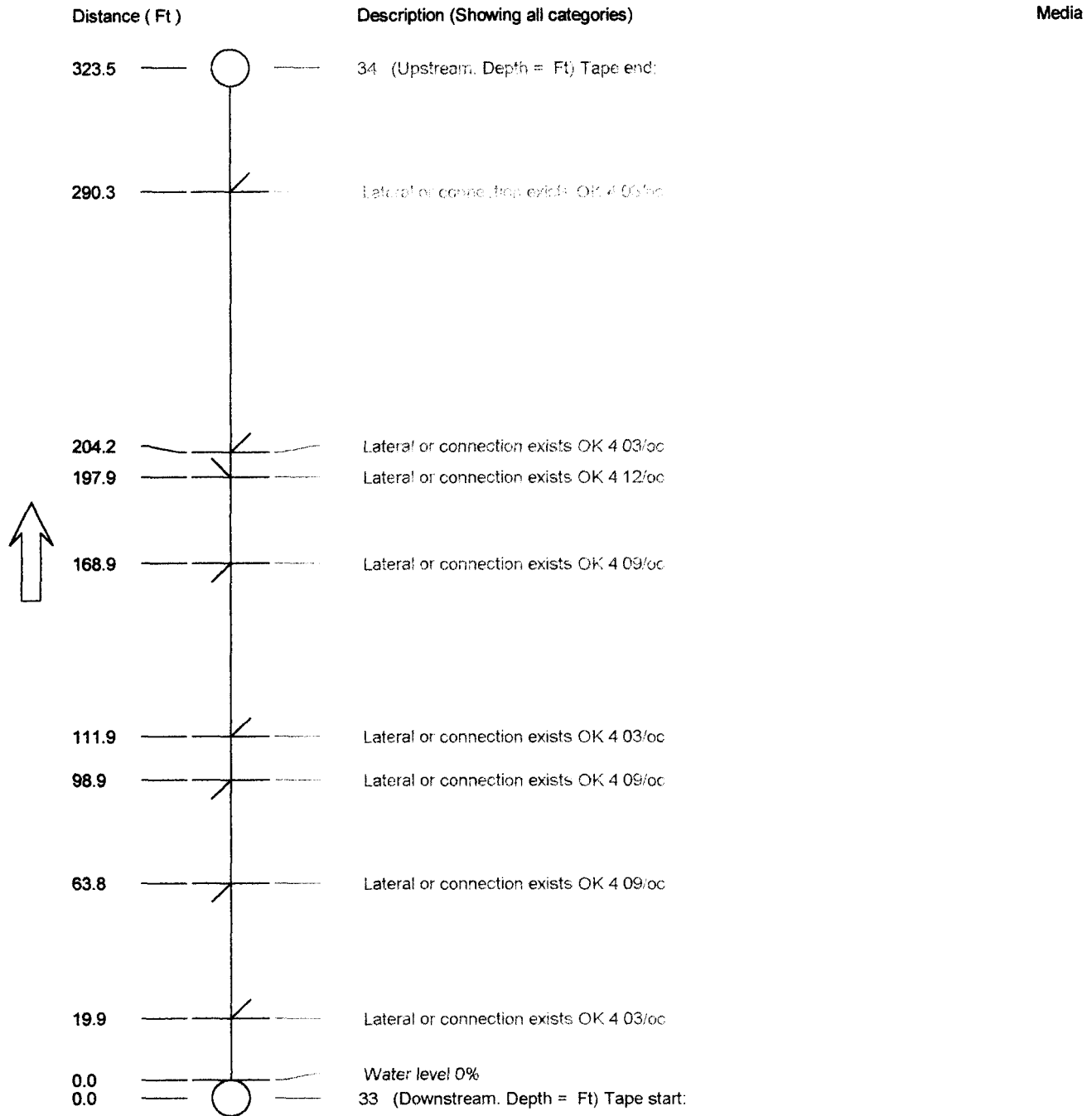
<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 5	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 37
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 408.0 Ft	<b>From</b> 32	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size by ins</b>	<b>To</b> 30	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 35 FOR REVERSE SETUP			<b>Structural</b>	<b>Service</b>
<b>Location note</b>			<b>Mechanisms</b>	<b>Construction</b>



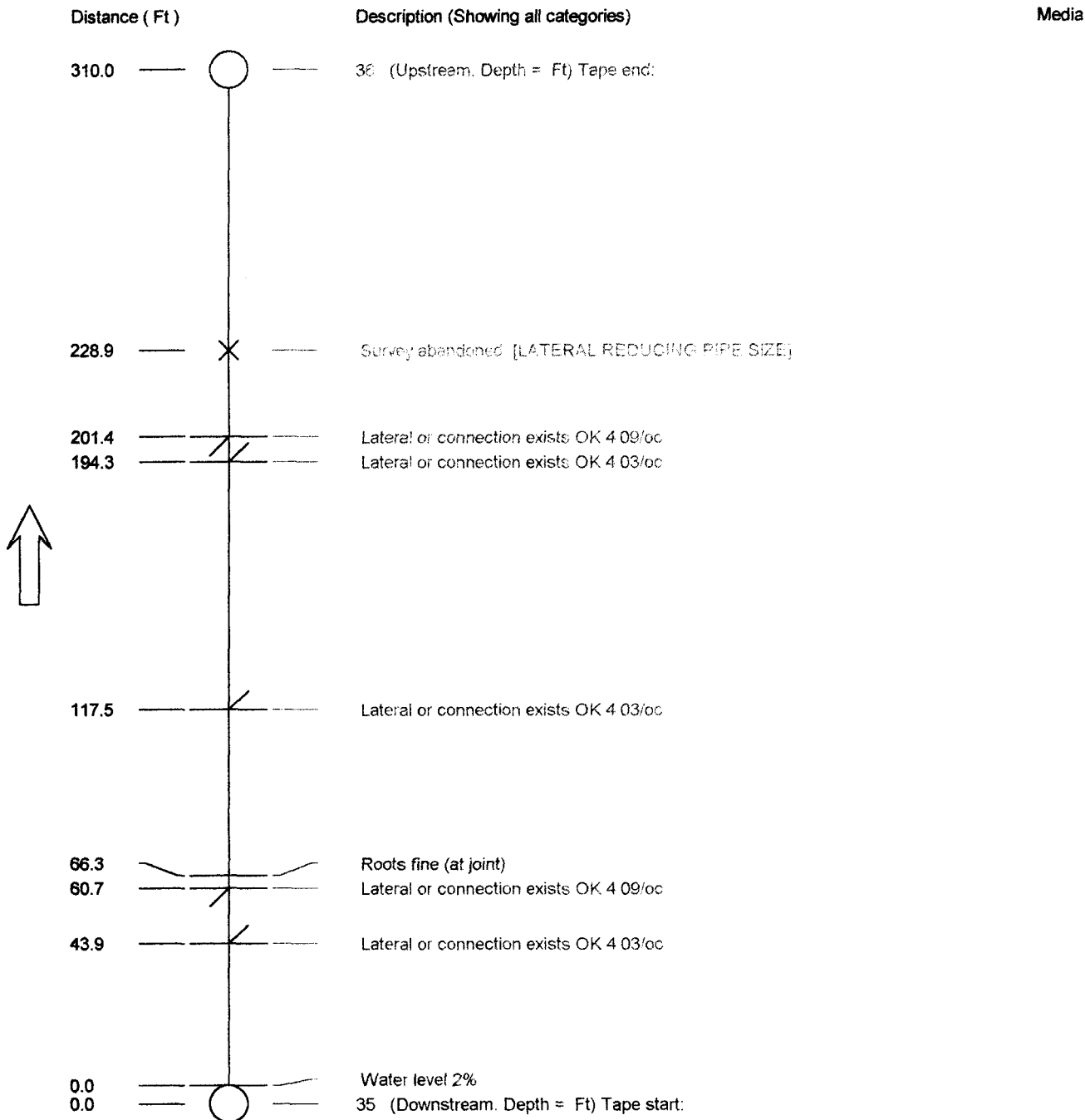
Pipe Graphic Report of PLR 34 X

for MID-COUNTY SERVICES, INC.

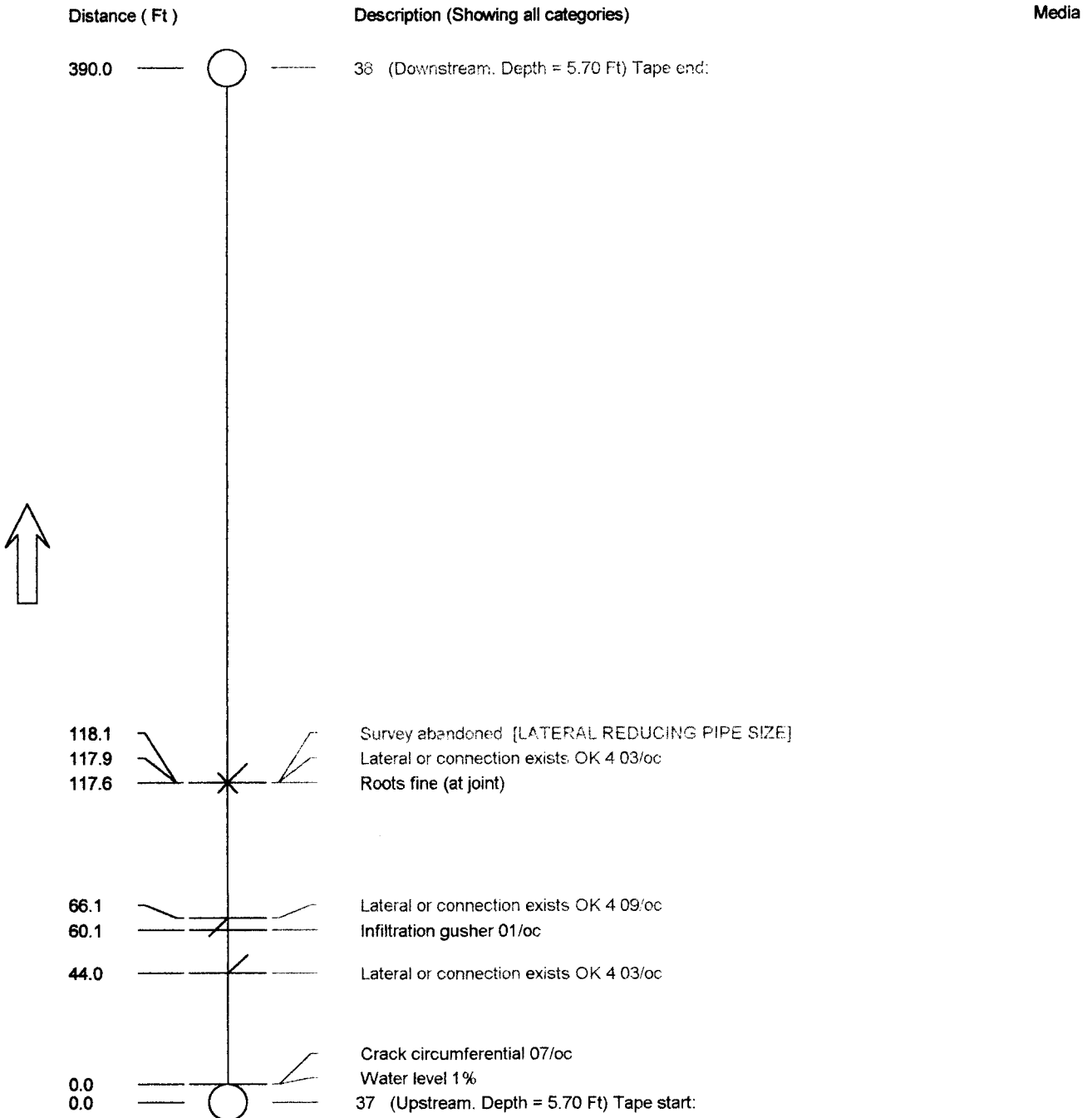
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 5	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 38
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 323.5 Ft	<b>From</b> 33	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size by</b> Ins	<b>To</b> 34	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Operational
<b>Location note</b>		Mid- to poor	Good	Good



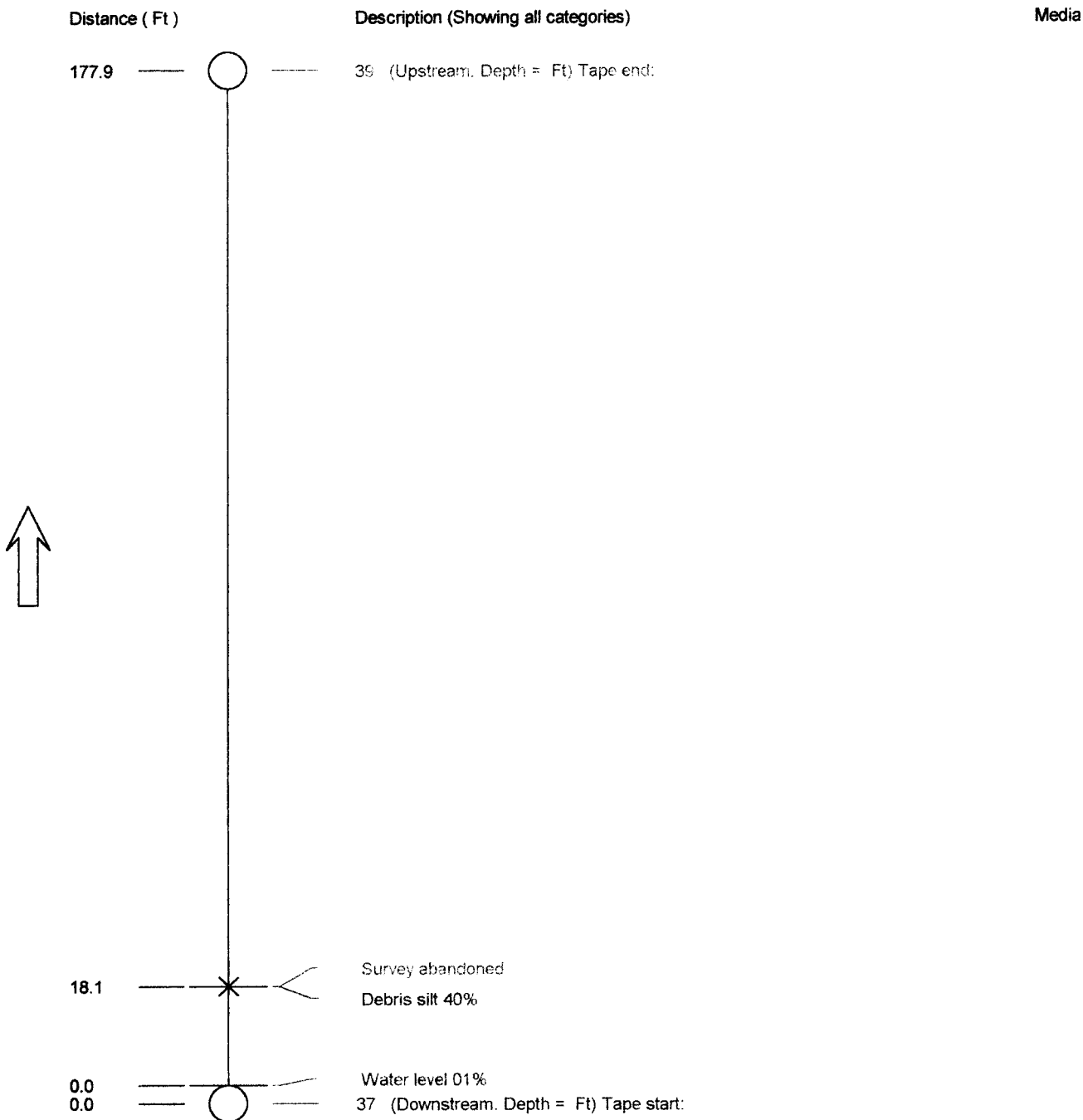
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 5	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 39
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 310.0 Ft	<b>From</b> 35	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 <b>by</b> ins	<b>To</b> 36	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Material	Condition	Notes



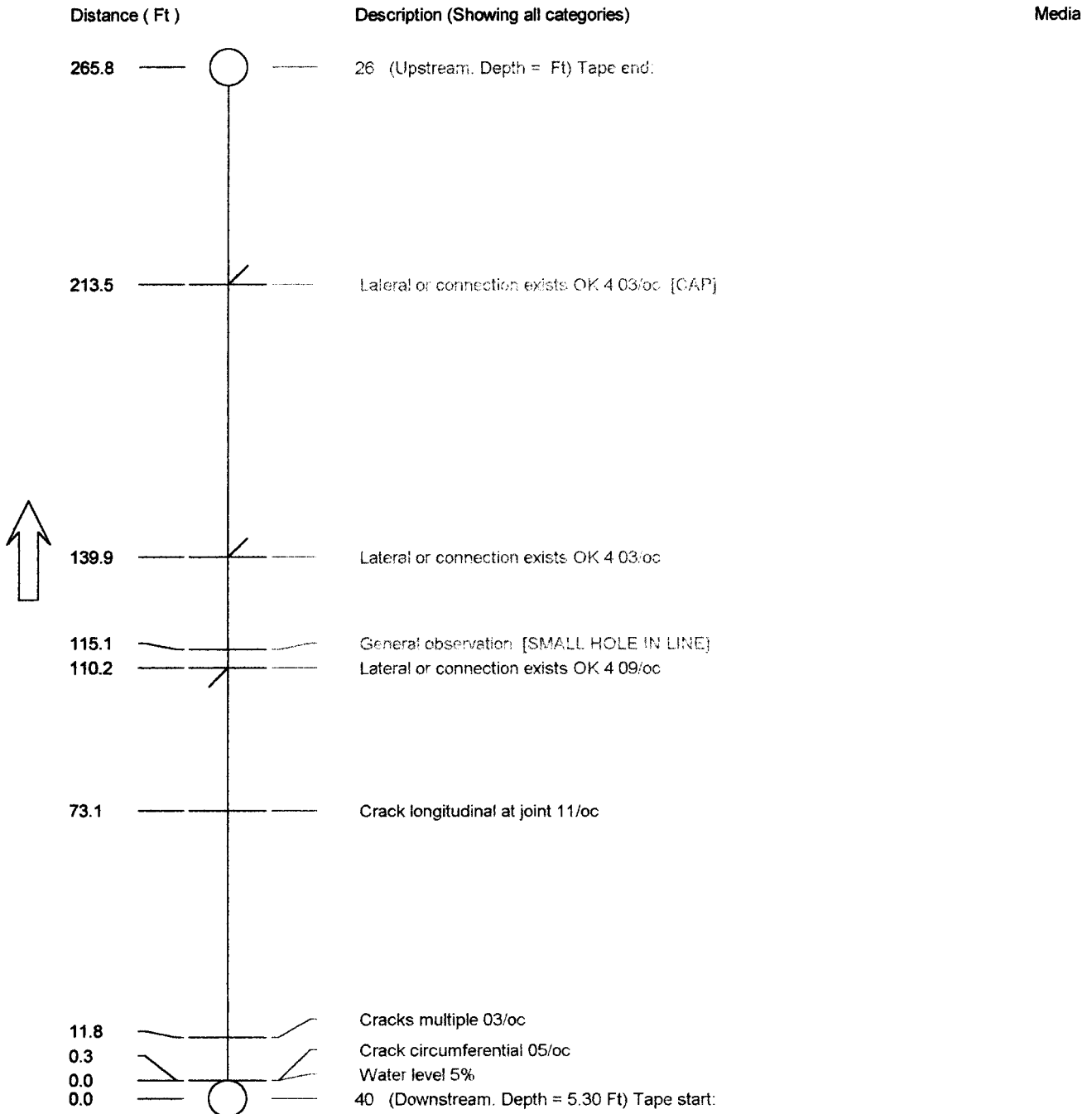
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 6	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 40
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 390.0 Ft	<b>From</b> 37	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 36	<b>Depth</b> 5.70 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> START OF TAPE 6		<b>Structural</b>	<b>Service</b>	<b>Constructional</b>
<b>Location note</b> SEE SHEET 100 FOR REVERSE SETUP		Misaligned	Blocked	



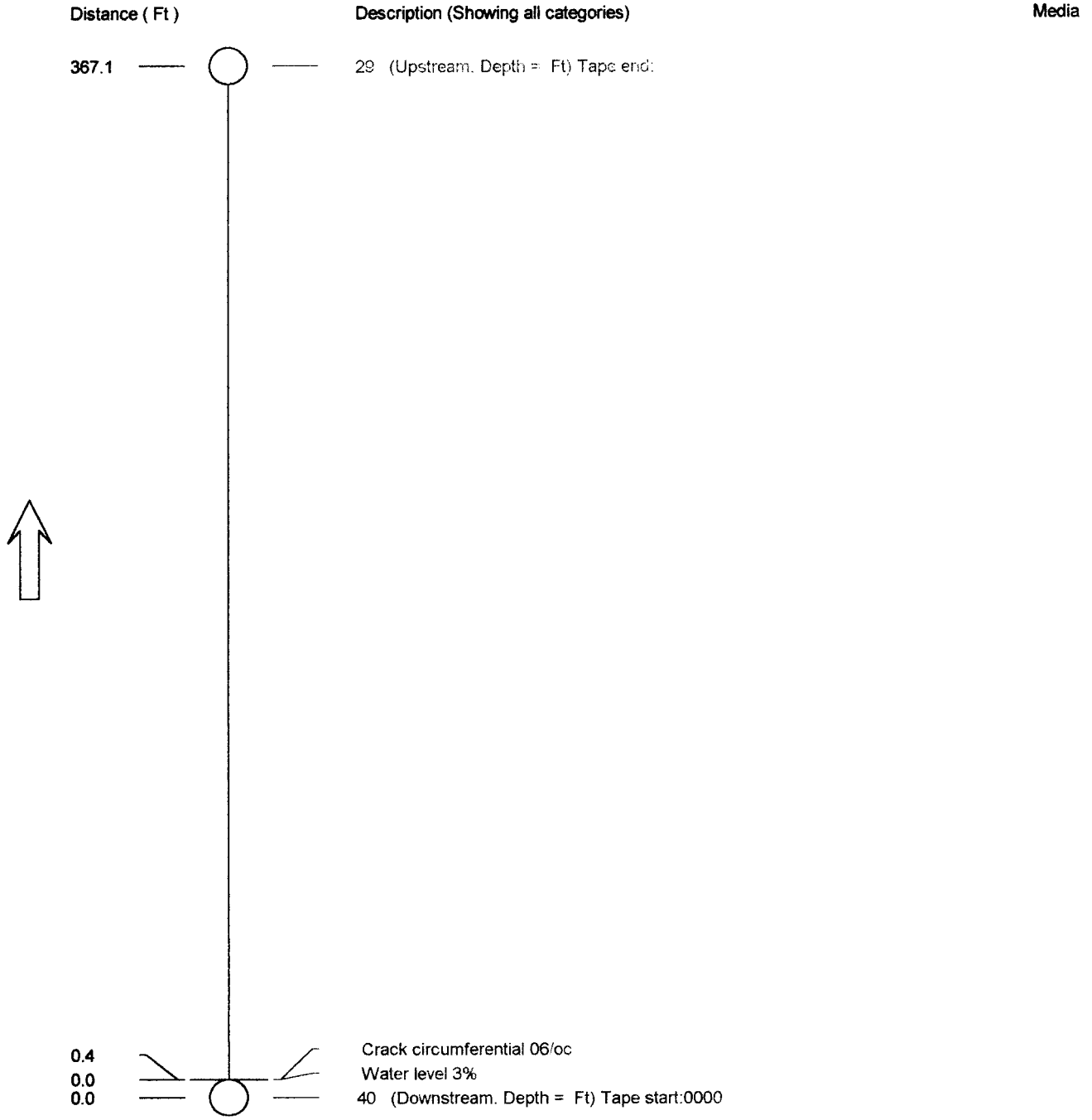
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 6	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 41
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic,town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 177.9 Ft	<b>From</b> 37	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 <b>by</b> ins	<b>To</b> 39	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Polyvinly chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 97 FOR REVERSE SETUP		Structural	Service	Constructional
<b>Location note</b>		Manhole/Inlet	Manhole	Manhole



<b>Job</b>	<b>Contract</b>	<b>Cassette 6</b>	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 42
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 265.8 Ft	<b>From</b> 40	<b>Depth</b> 5.30 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 26	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Condition
<b>Location note</b>		Microleakage	None	

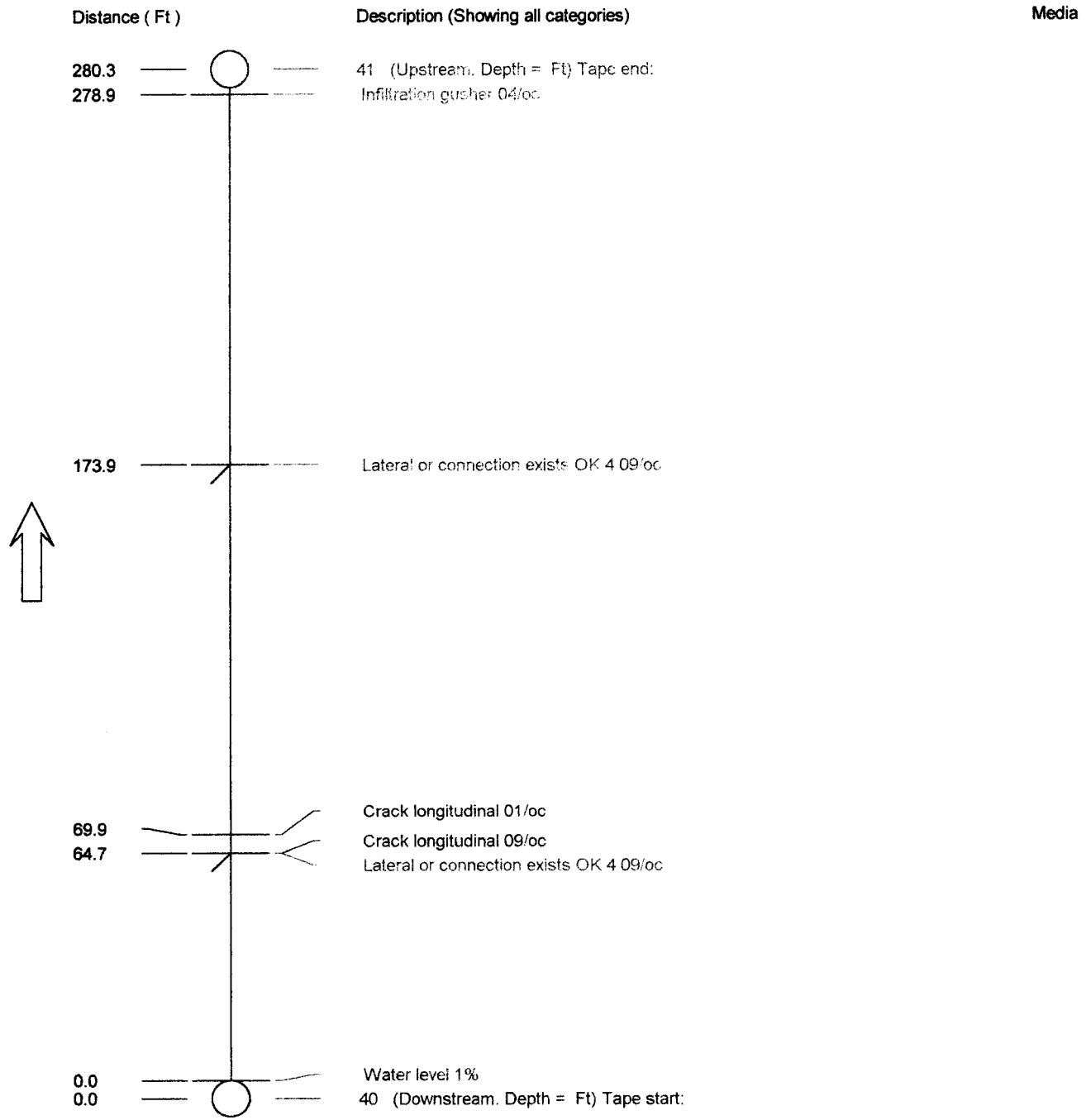


<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 6	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 43
<b>Operator</b> DWH	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 367.1 Ft	<b>From</b> 40	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 29	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Miscellaneous	Construction	

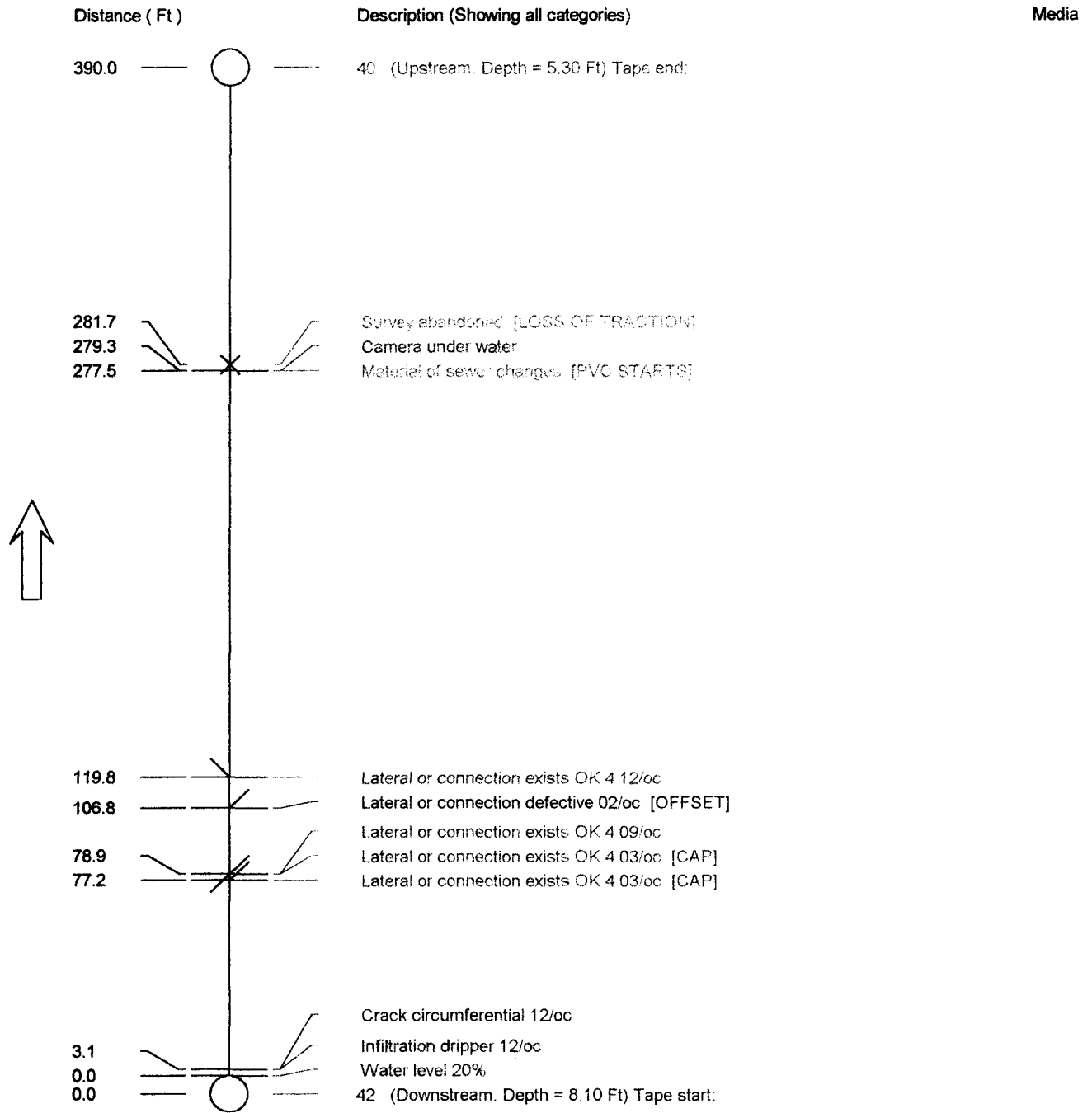




<b>Job</b> Operator DWH	<b>Contract</b> Van Reference	<b>Cassette</b> 6	<b>Surveyed On</b> 08/10/2004	<b>Sheet</b> 44
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 280.3 Ft	<b>From</b> 40	<b>Depth</b> Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 41	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Crack/Infect
<b>Location note</b>		Miscellaneous		



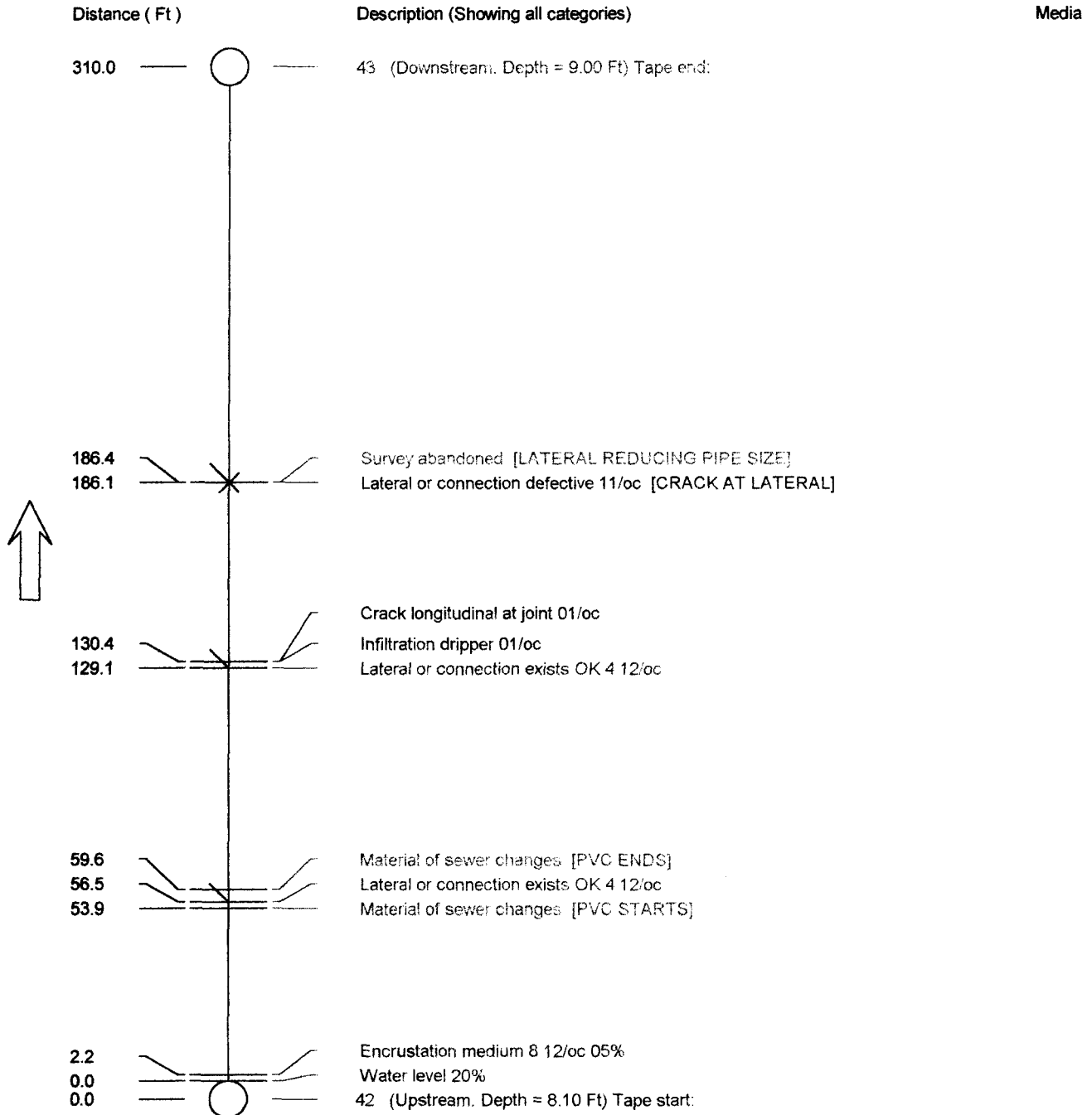
<b>Job</b>	<b>Contract</b>	<b>Cassette 6</b>	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 45
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 390.0 Ft	<b>From</b> 42	<b>Depth</b> 8.10 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 40	<b>Depth</b> 5.30 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 49 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Constructional</b>
<b>Location note</b>				



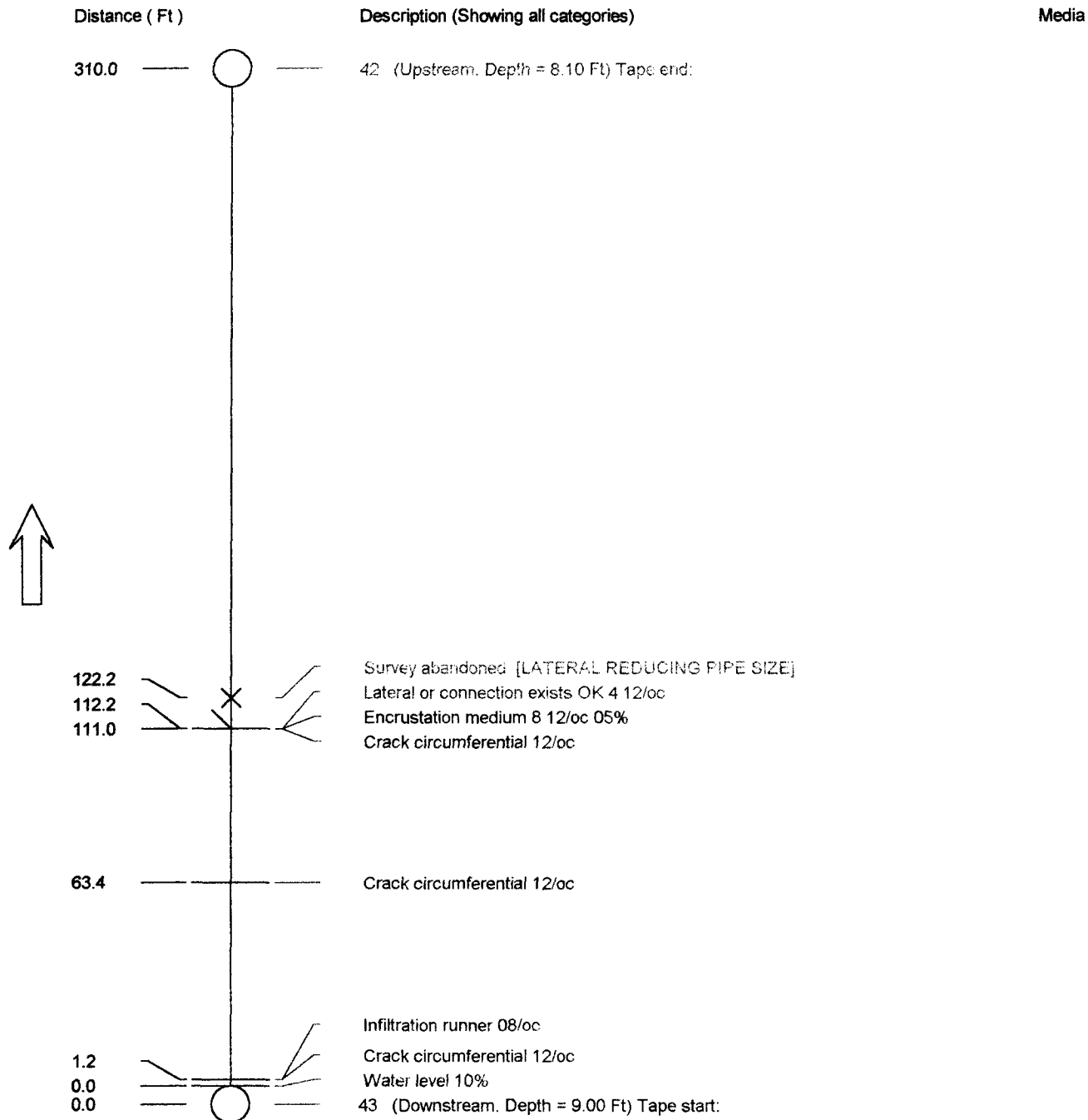
Pipe Graphic Report of PLR 42 X

for MID-COUNTY SERVICES, INC.

<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 6	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 46
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 310.0 Ft	<b>From</b> 42	<b>Depth</b> 8.10 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 43	<b>Depth</b> 9.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> see sheet 47 for reverse setup		Structural	Service	Continued
<b>Location note</b>		Miscellaneous		



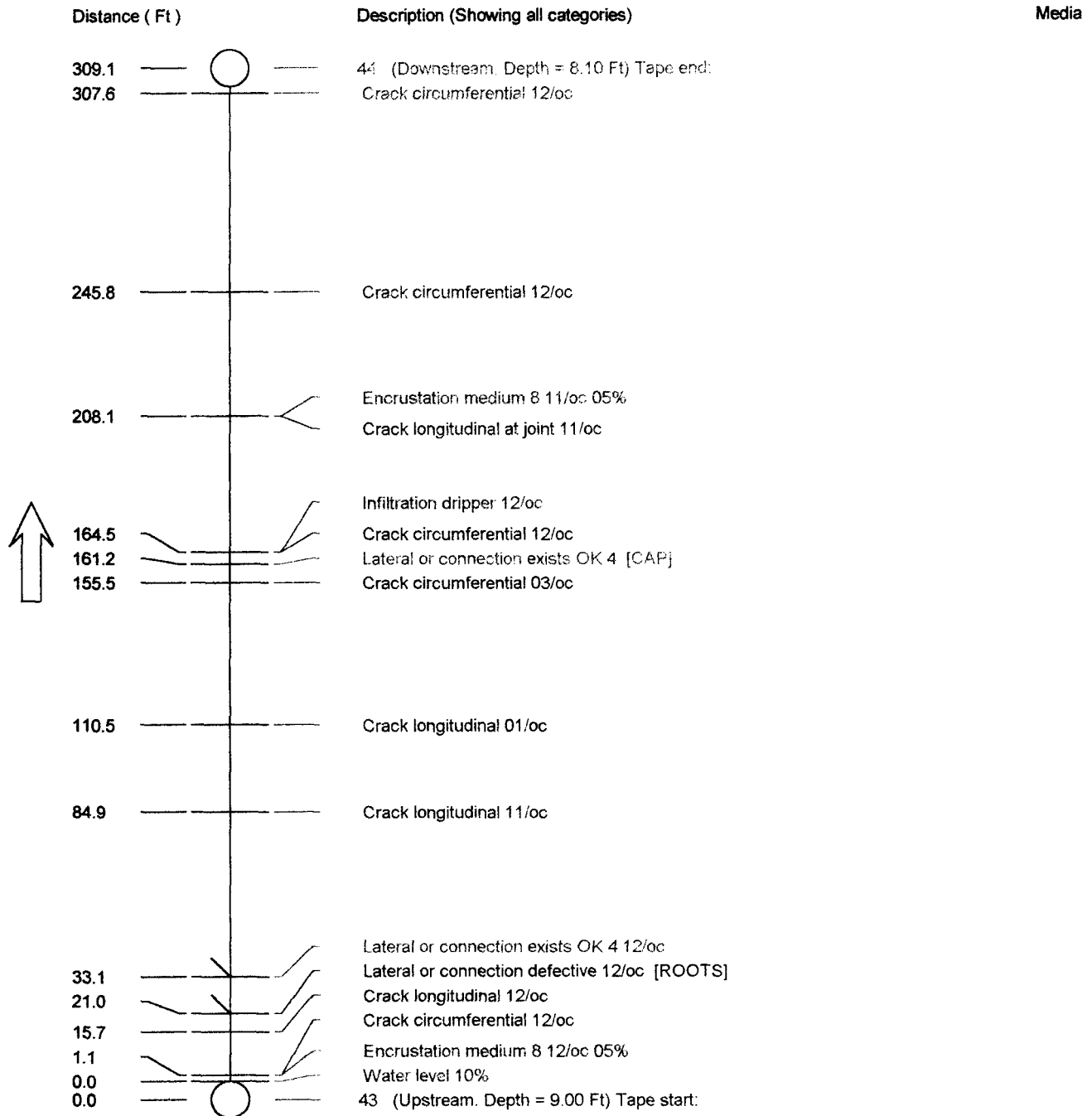
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 6	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 47
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 310.0 Ft	<b>From</b> 43	<b>Depth</b> 9.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 42	<b>Depth</b> 8.10 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 46 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Quality/Defect</b>
<b>Location note</b>		Monell/In/out	Up/Down	



Pipe Graphic Report of PLR 43 X

for MID-COUNTY SERVICES, INC.

<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 7	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 48
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 309.1 Ft	<b>From</b> 43	<b>Depth</b> 9.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 44	<b>Depth</b> 8.10 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Considered
<b>Location note</b>		Structural	Service	Considered



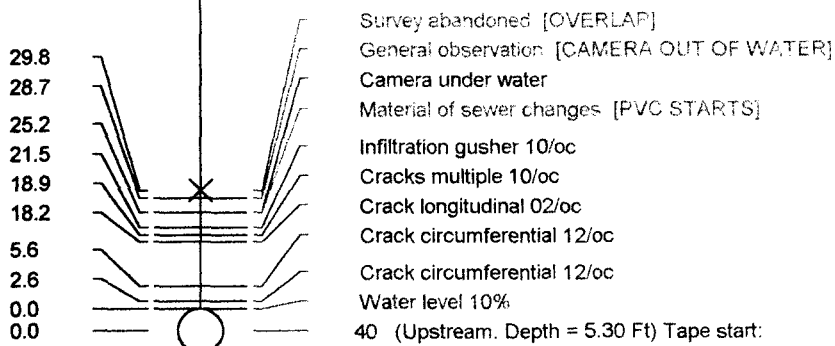
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 7	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 49
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 309.1 Ft	<b>From</b> 40	<b>Depth</b> 5.30 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 42	<b>Depth</b> 8.10 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 45 FOR REVERSE SETUP			<b>Structural</b>	<b>Service</b>
<b>Location note</b>			<b>Material</b>	<b>Other</b>

Distance ( Ft )

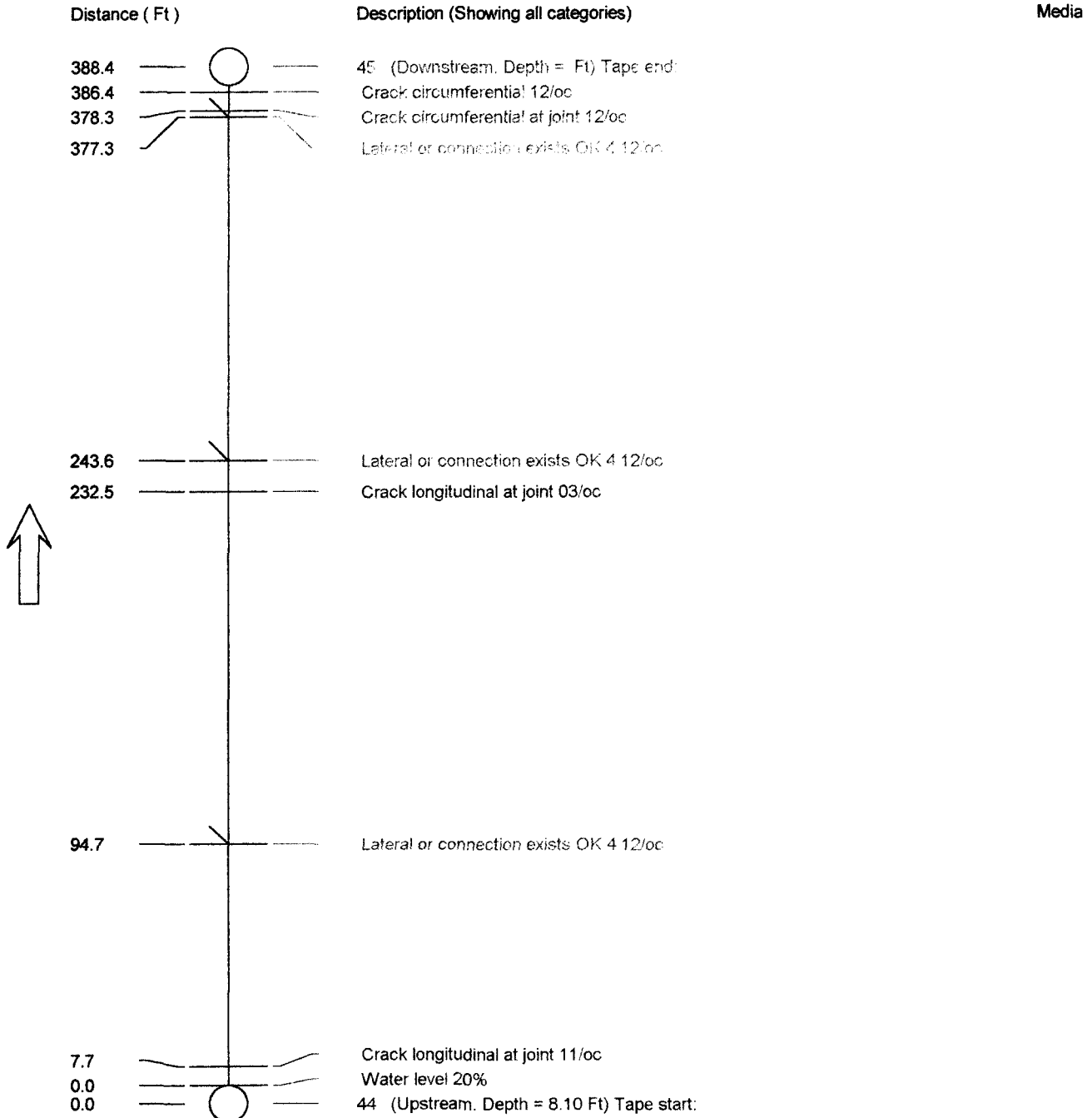
Description (Showing all categories)

Media

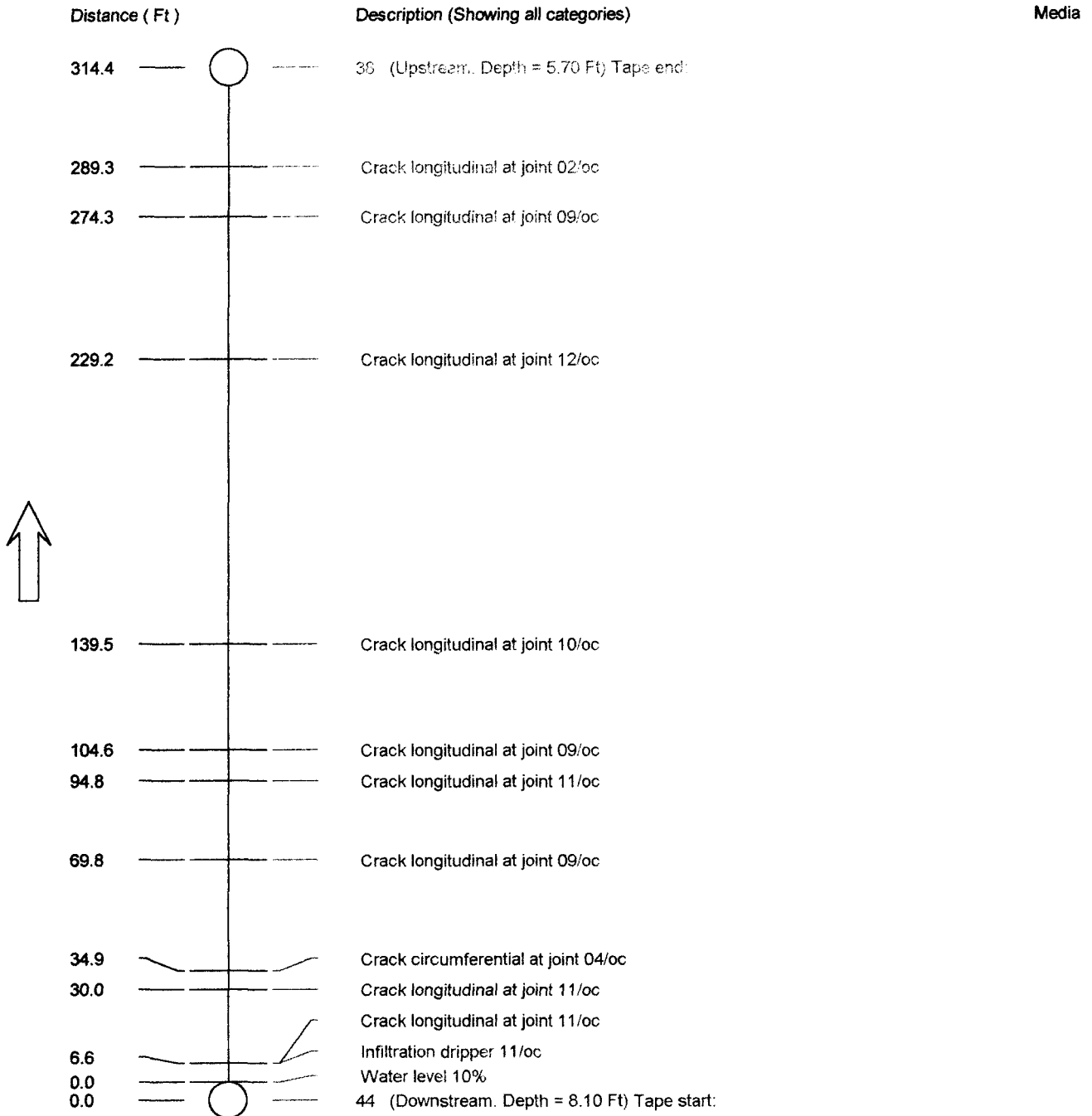
309.1 ——— ○ ——— 42 (Downstream. Depth = 8.10 Ft) Tape end:



<b>Job</b>	<b>Contract</b>	<b>Cassette 7</b>	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 50
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 388.4 Ft	<b>From</b> 44	<b>Depth</b> 8.10 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 <b>by</b> Ins	<b>To</b> 45	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Misalignment	by	

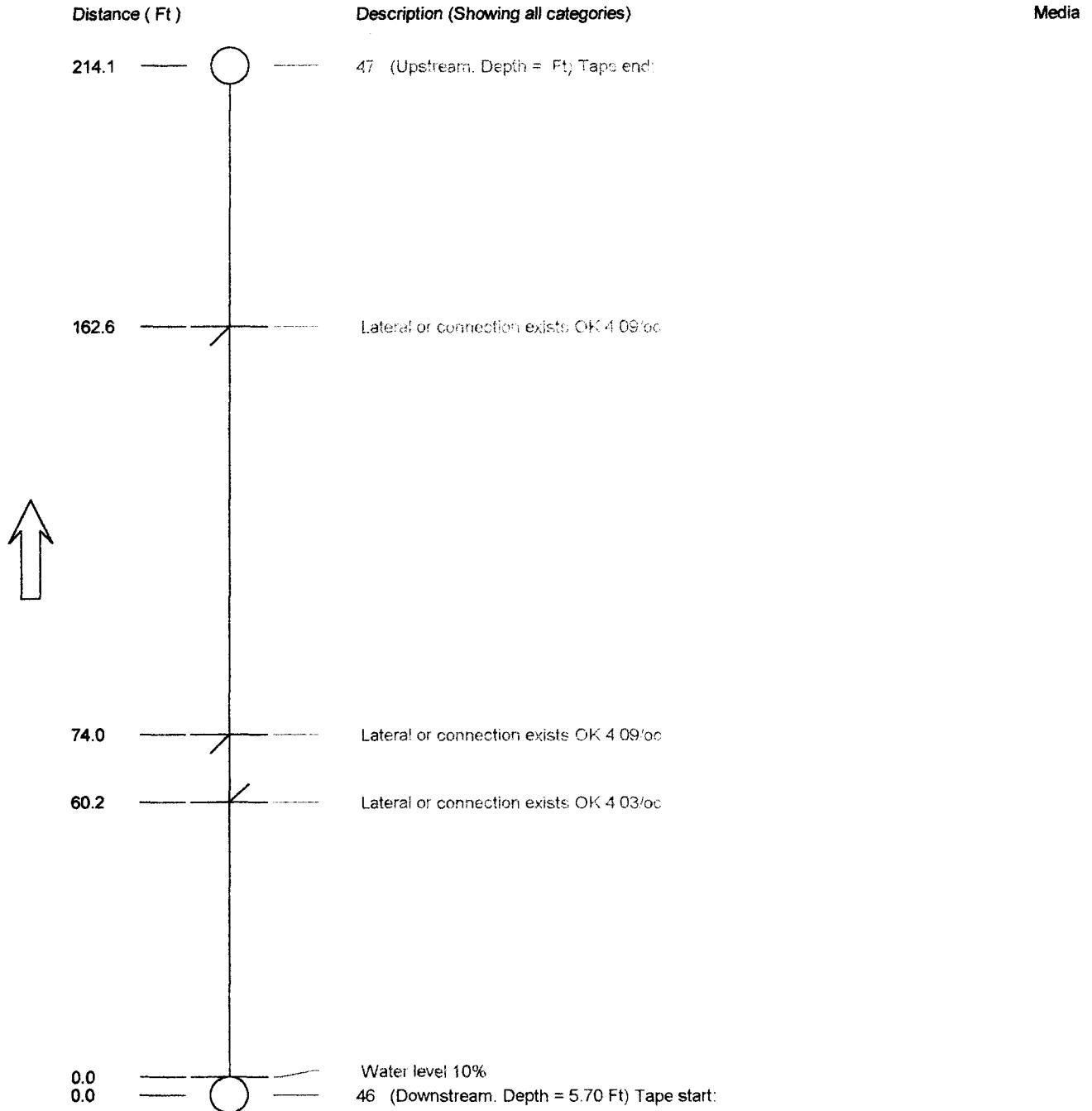


<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 7	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 51
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 4TH ST.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 314.4 Ft	<b>From</b> 44	<b>Depth</b> 8.10 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 38	<b>Depth</b> 5.70 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Corrosion
<b>Location note</b>		Minor damage	Minor	Minor

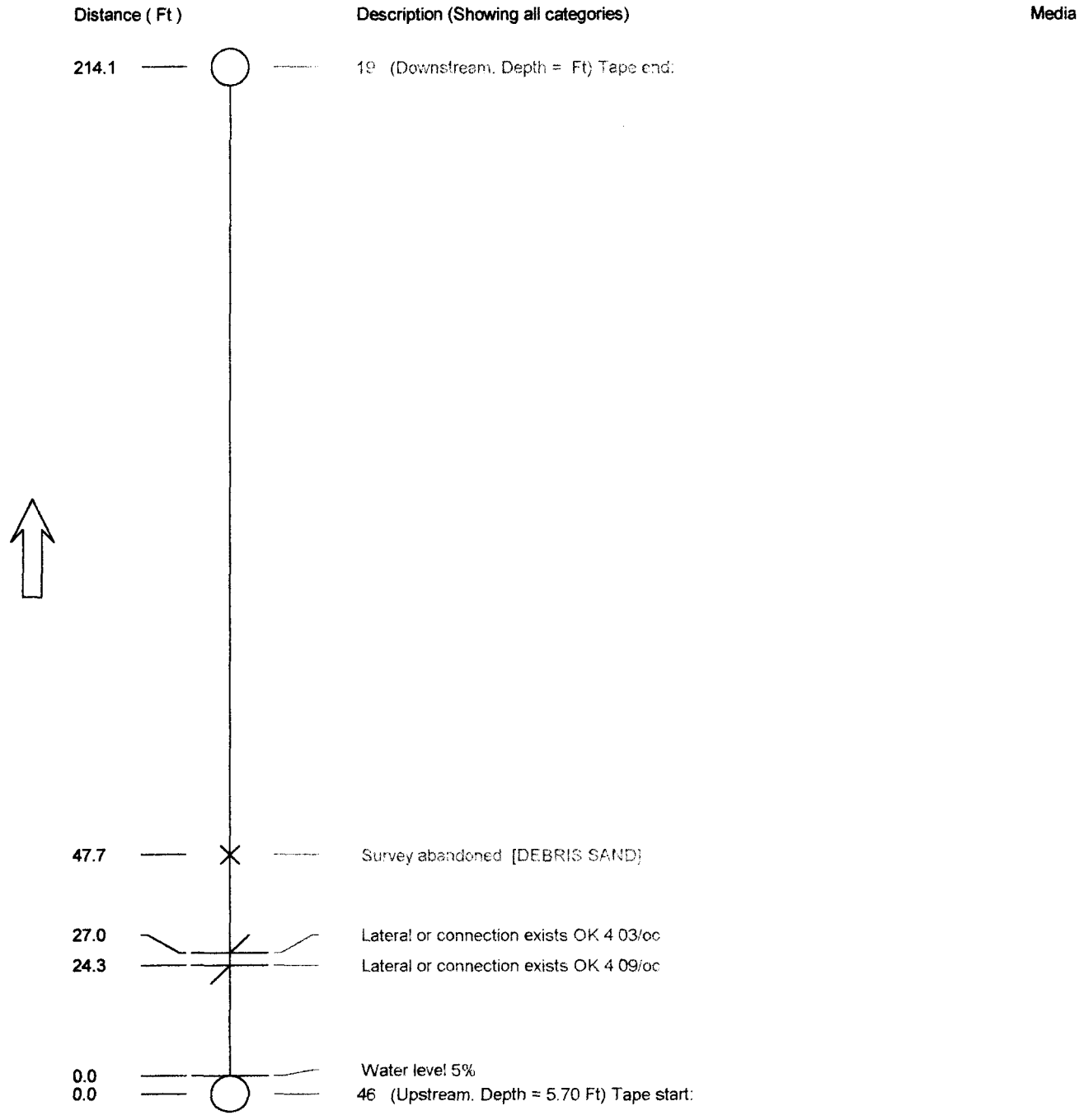




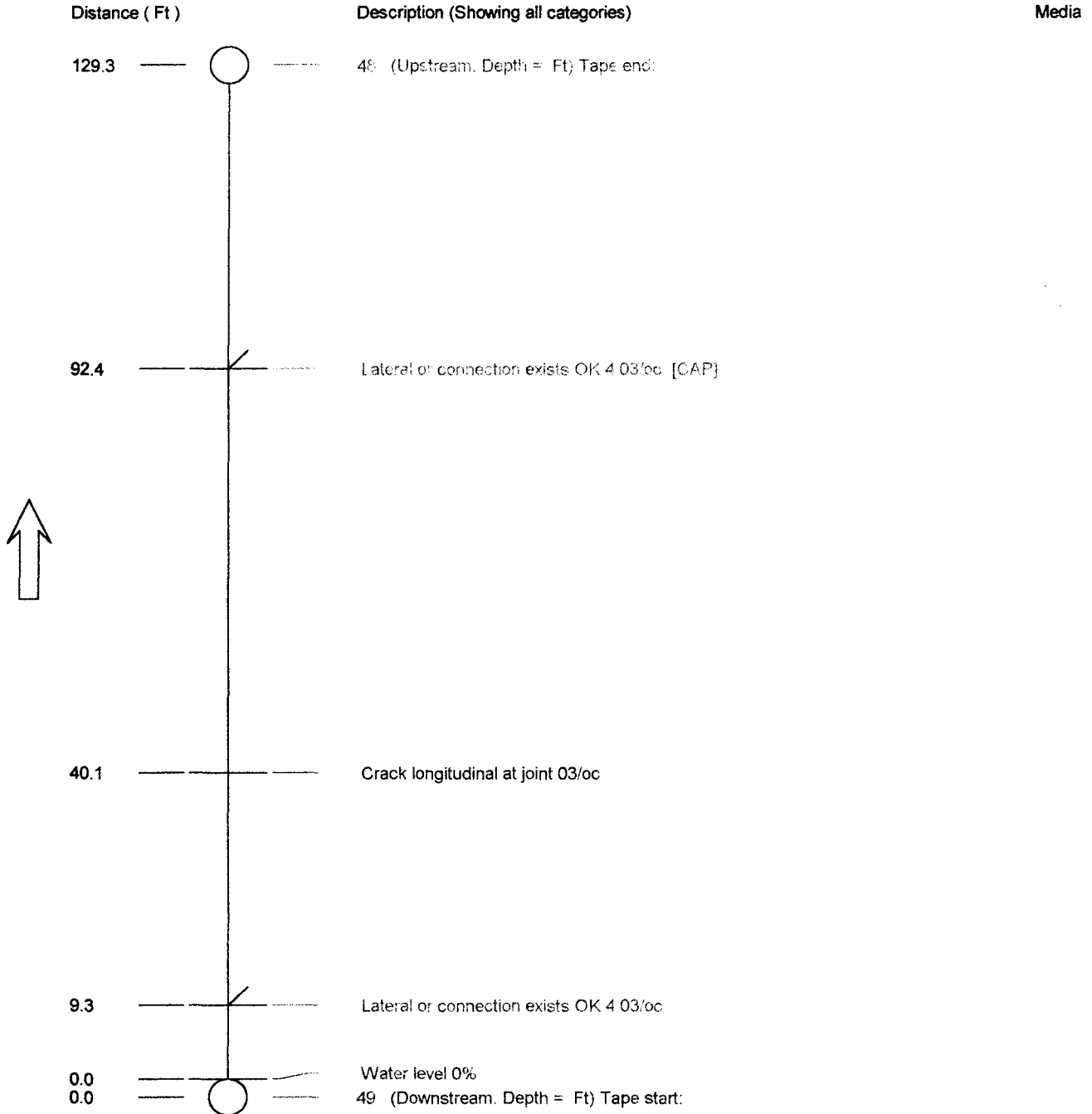
<b>Job</b>	<b>Contract</b>	<b>Cassette 7</b>	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 52
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 6TH ST.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 214.1 Ft	<b>From</b> 46	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 47	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Conventional
<b>Location note</b>		Mechanical	Specialty	



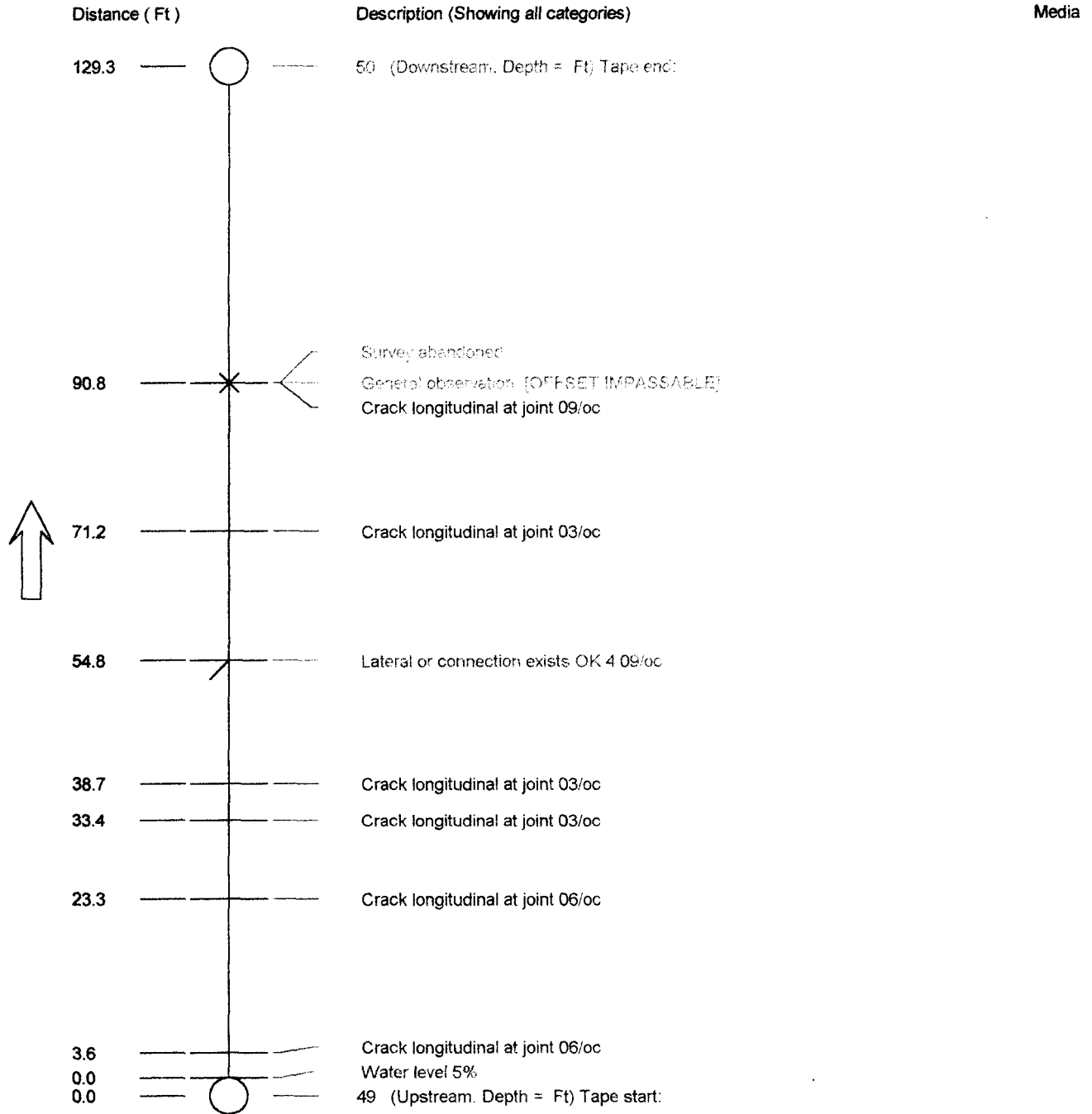
<b>Job</b>	<b>Contract</b>	<b>Cassette 7</b>	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 53
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 6TH ST		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 214.1 Ft	<b>From</b> 46	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 19	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 98		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Media</b>		



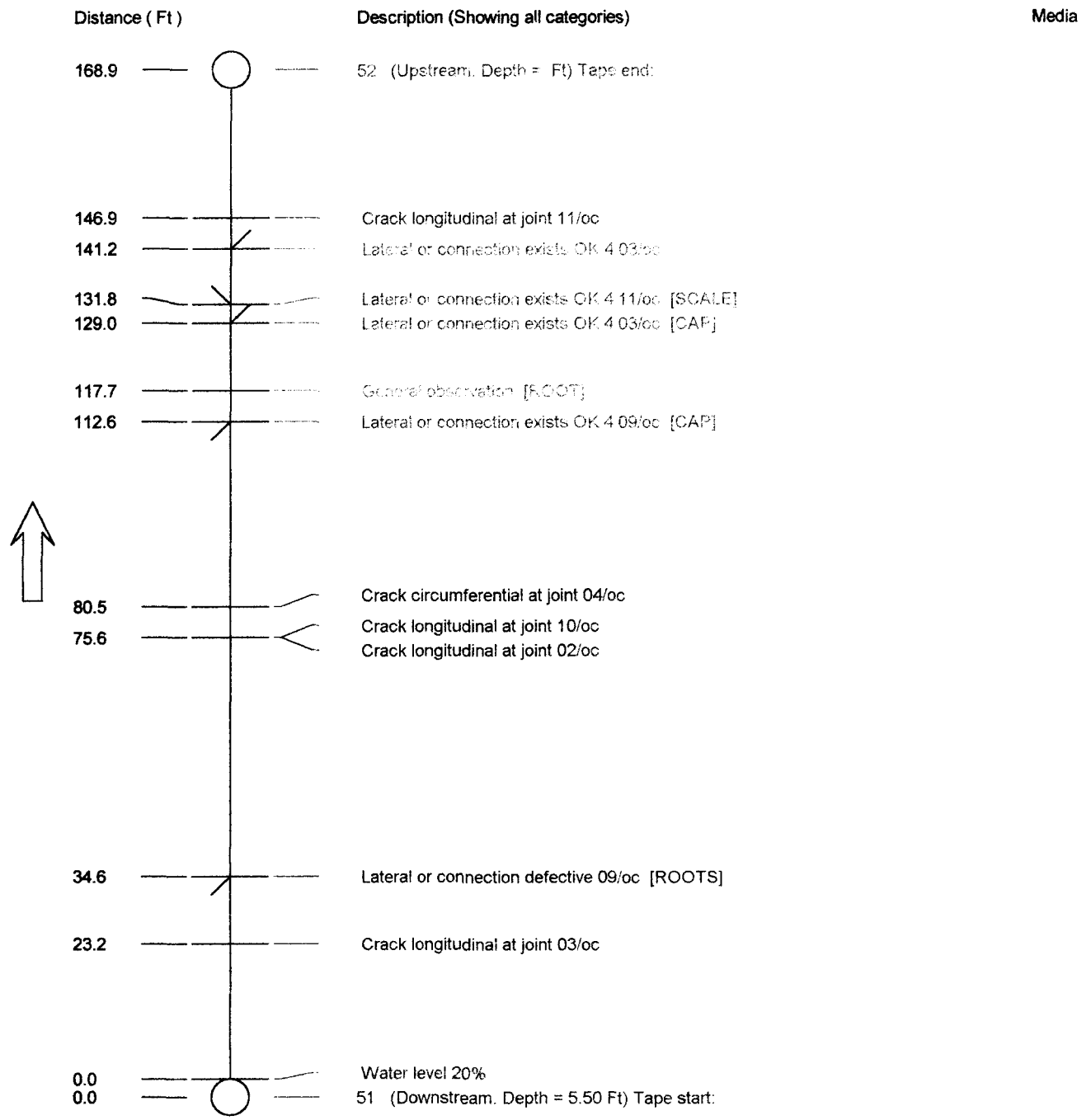
<b>Job</b>	<b>Contract</b>	<b>Cassette 7</b>	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 54
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 129.3 Ft	<b>From</b> 49	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 <b>by</b> Ins	<b>To</b> 48	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Condition
<b>Location note</b>		Material	Notes	Remarks



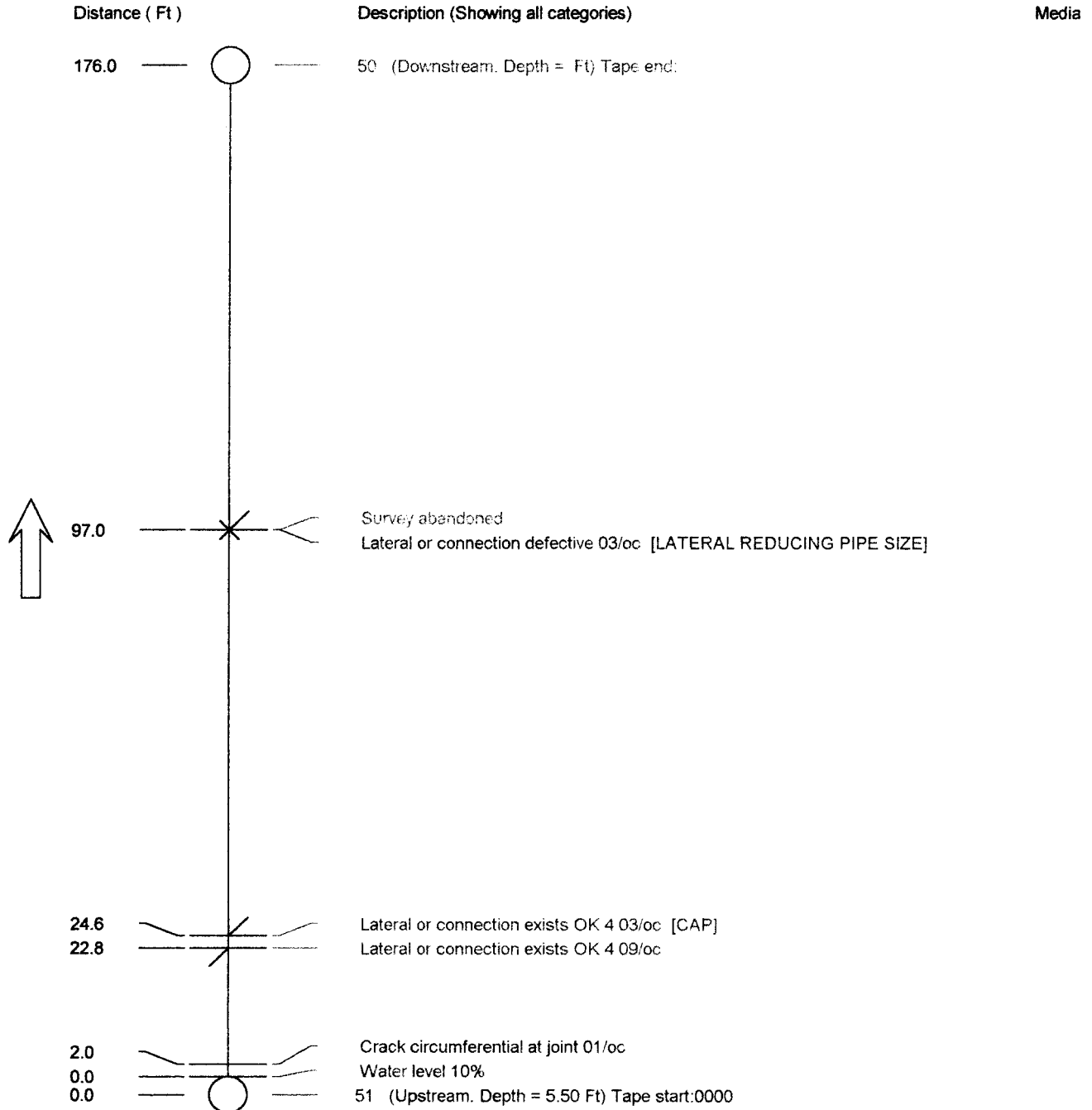
<b>Job</b>	<b>Contract</b>	<b>Cassette 7</b>	<b>Surveyed On</b> 08/11/2004	<b>Sheet</b> 55
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather:</b> Dry		
<b>Road Name</b> 8YH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 129.3 Ft	<b>From</b> 49	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 50	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Com/functional
<b>Location note</b>		Material	Age	



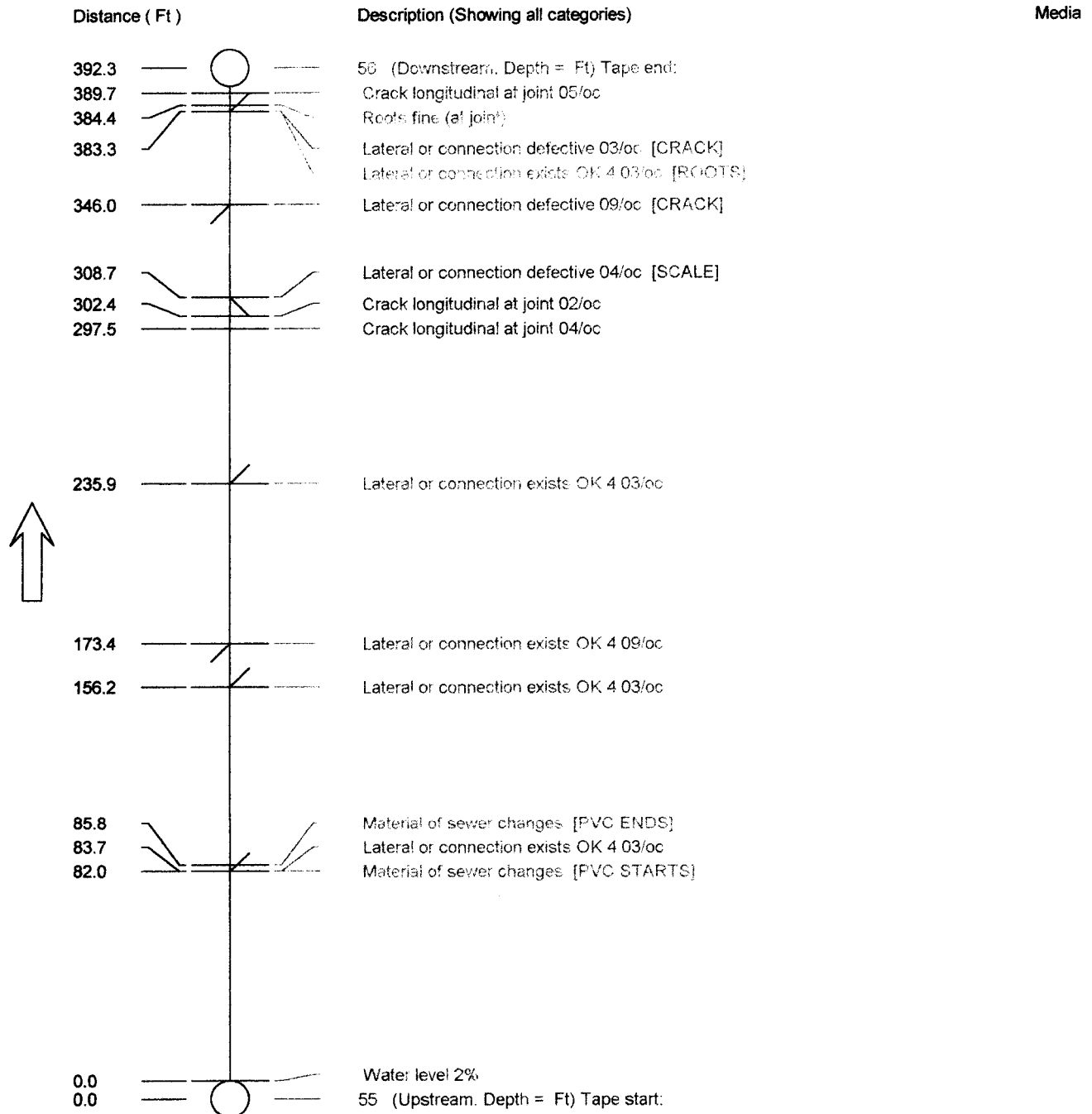
<b>Job</b>	<b>Contract</b>	<b>Cassette 8</b>	<b>Surveyed On</b> 08/12/2004	<b>Sheet</b> 56
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 168.9 Ft	<b>From</b> 51	<b>Depth</b> 5.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 52	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Condition
<b>Location note</b>		Material	Location	



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 8	<b>Surveyed On</b> 08/12/2004	<b>Sheet</b> 57
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 176.0 Ft	<b>From</b> 51	<b>Depth</b> 5.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 50	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 93 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Miscellaneous</b>		

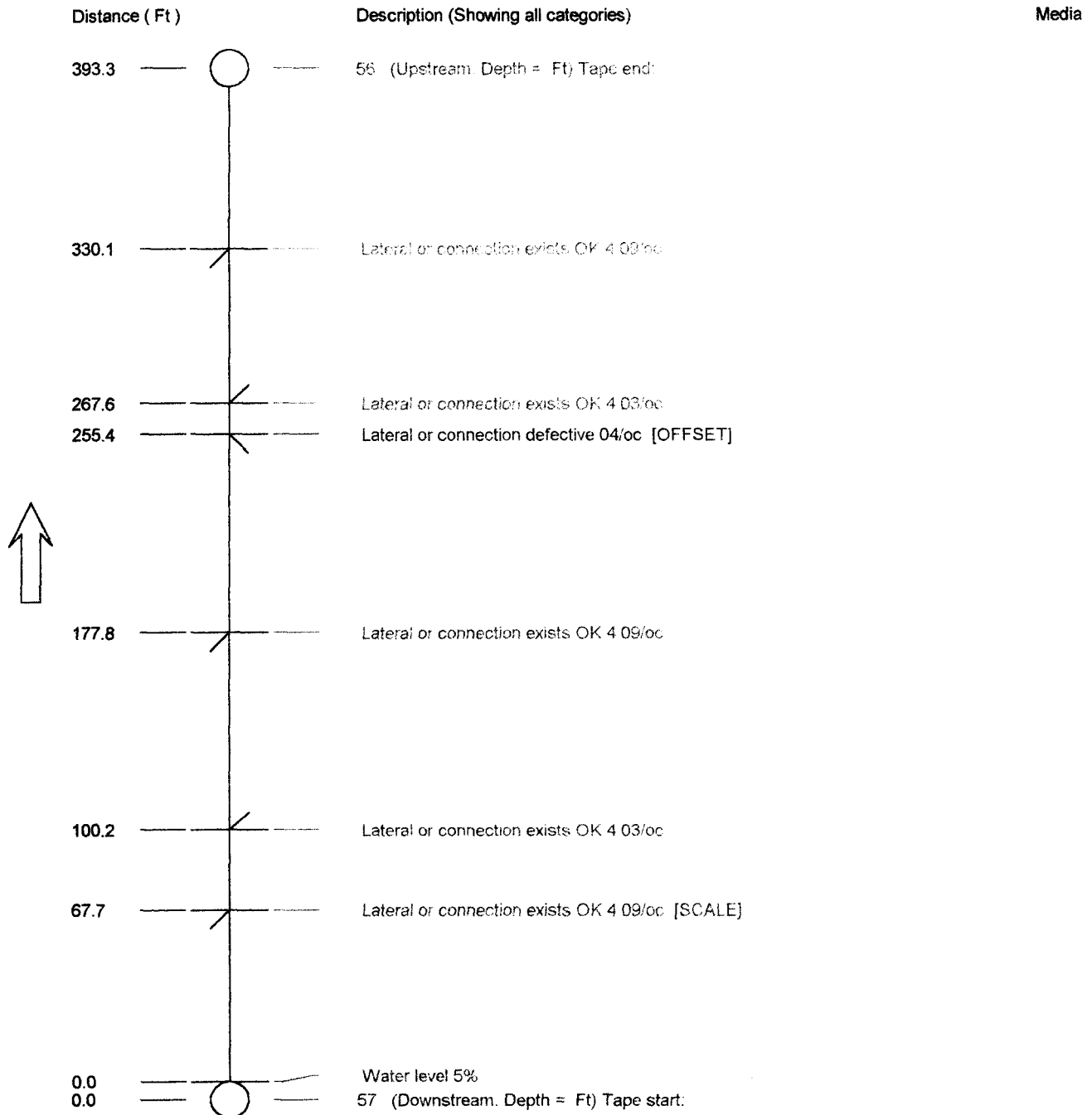


<b>Job</b>	<b>Contract</b>	<b>Cassette 8</b>	<b>Surveyed On</b> 08/12/2004	<b>Sheet</b> 58
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 1ST ST. W		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 392.3 Ft	<b>From</b> 55	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 56	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>	Structural		Service	Construction
<b>Location note</b>	Material		Support	



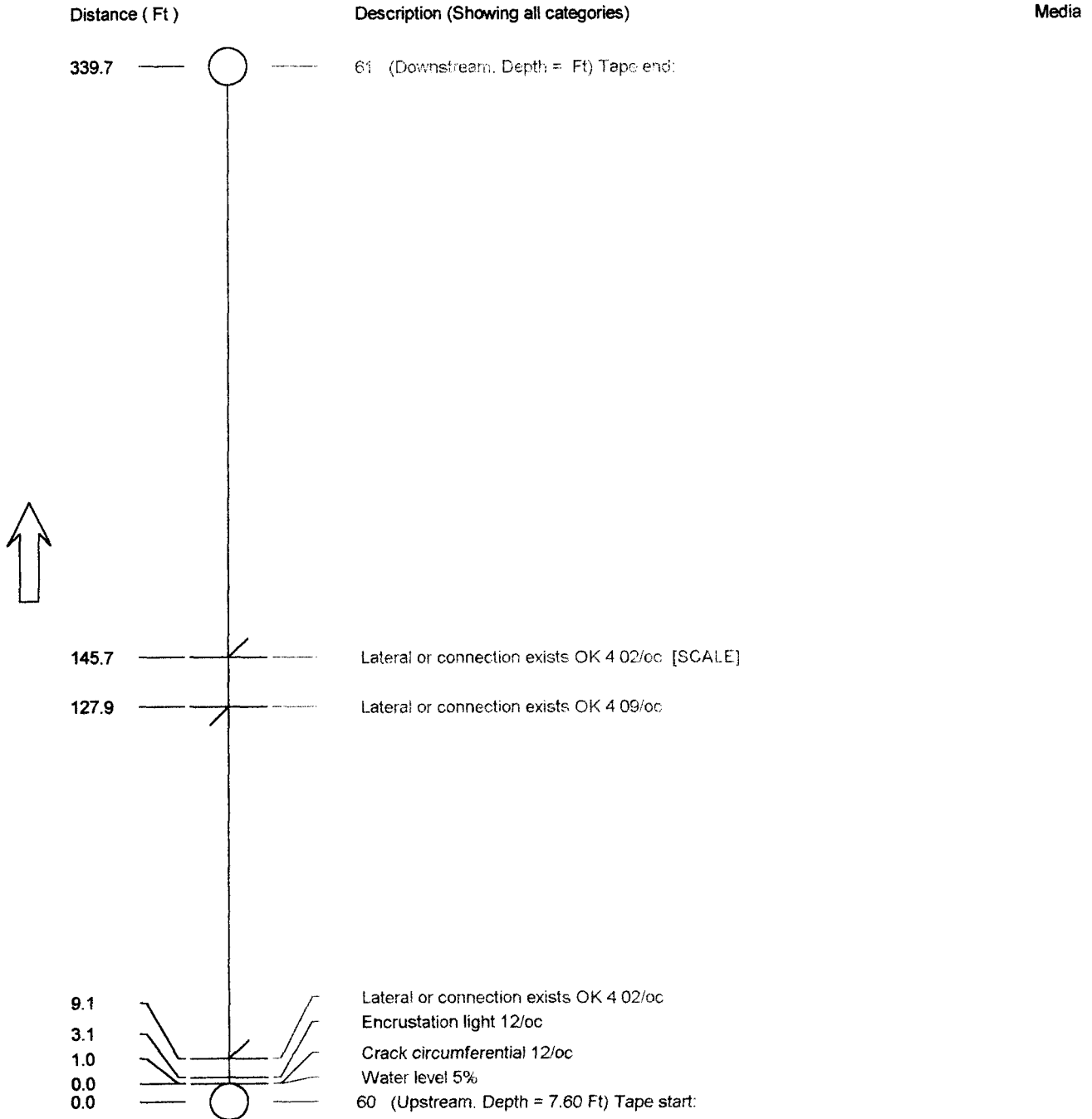
Pipe Graphic Report of PLR 56 X for MID-COUNTY SERVICES, INC.

<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 8	<b>Surveyed On</b> 08/12/2004	<b>Sheet</b> 59
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 1ST ST. W		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 393.3 Ft	<b>From</b> 57	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 56	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		<b>Structure</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>				

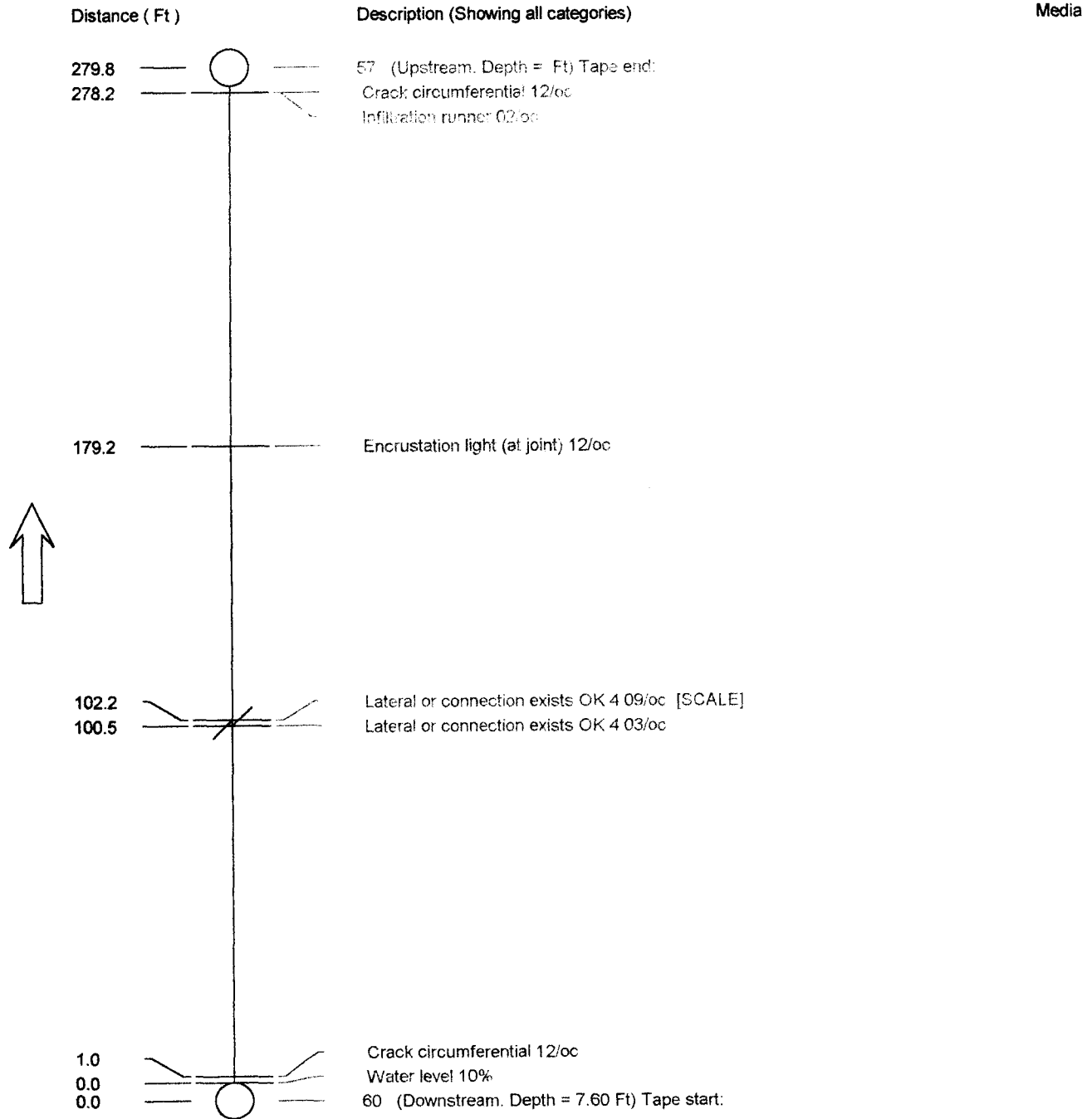




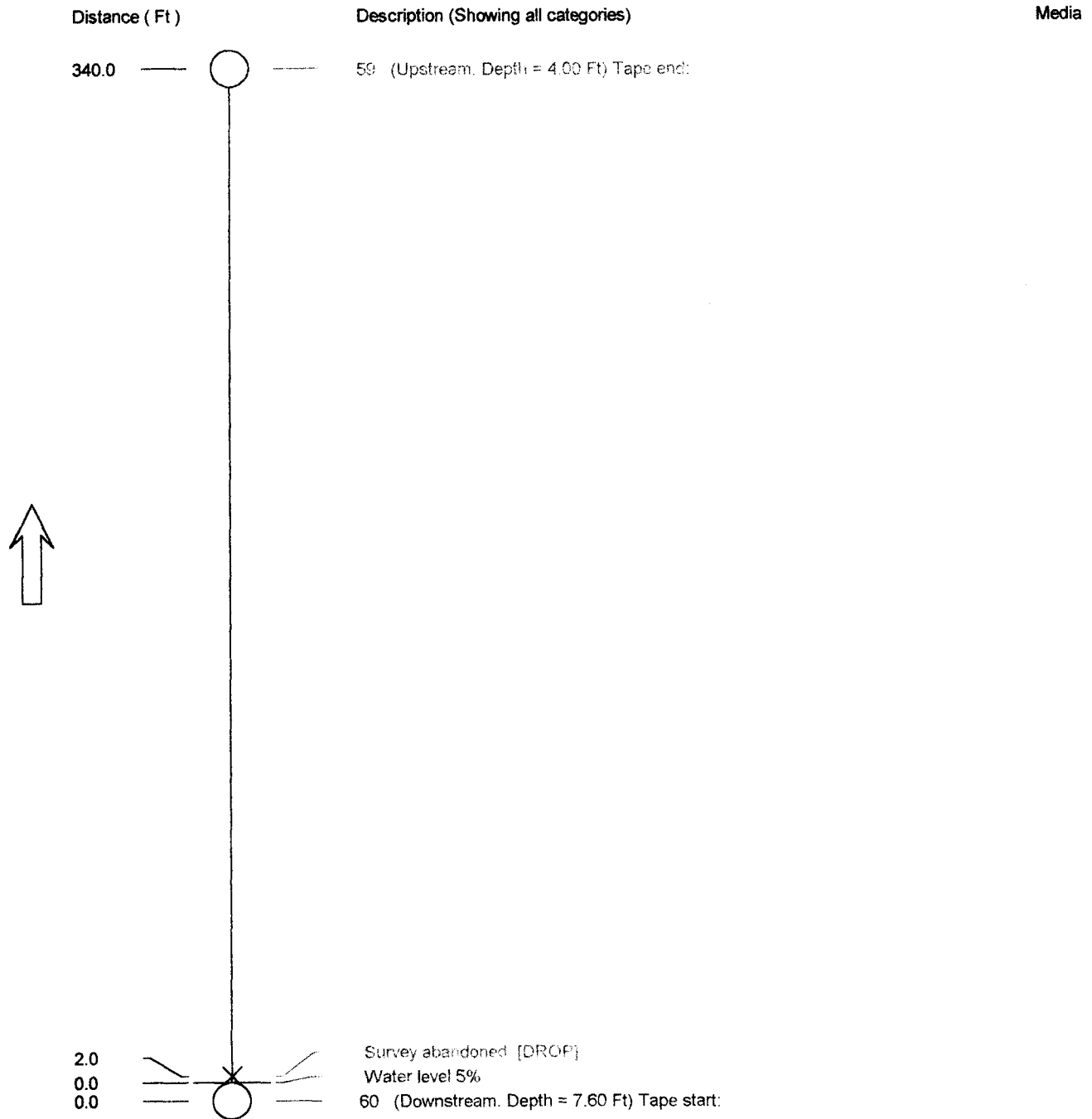
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 8	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 60
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 2ND ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 339.7 Ft	<b>From</b> 60	<b>Depth</b> 7.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 61	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Material	Condition	Notes



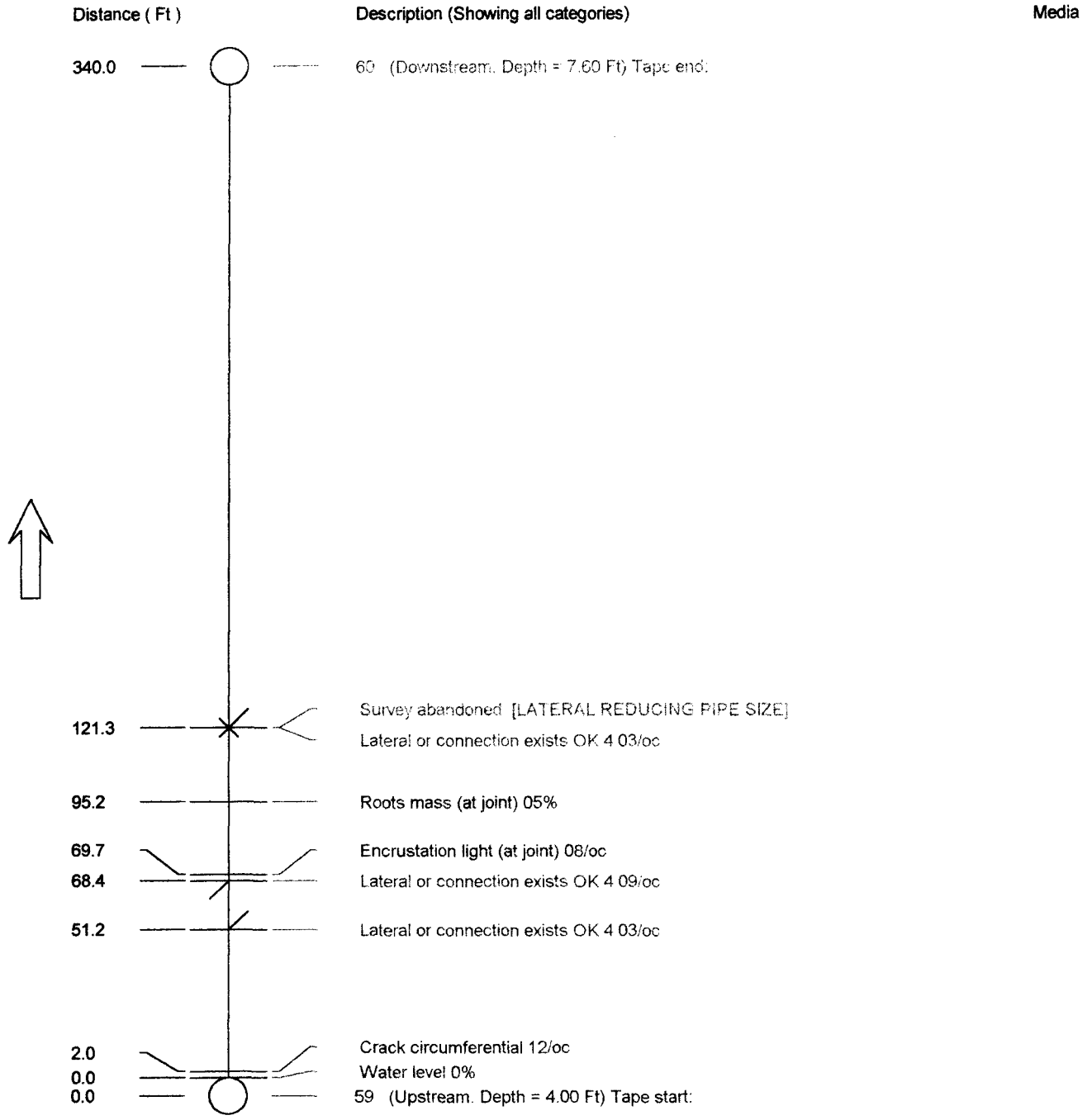
<b>Job</b>	<b>Contract</b>	<b>Cassette 8</b>	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 61
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 1ST & 2ND ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 279.8 Ft	<b>From</b> 60	<b>Depth</b> 7.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 57	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Crack circumferential
<b>Location note</b>		Crack circumferential	Crack circumferential	Crack circumferential



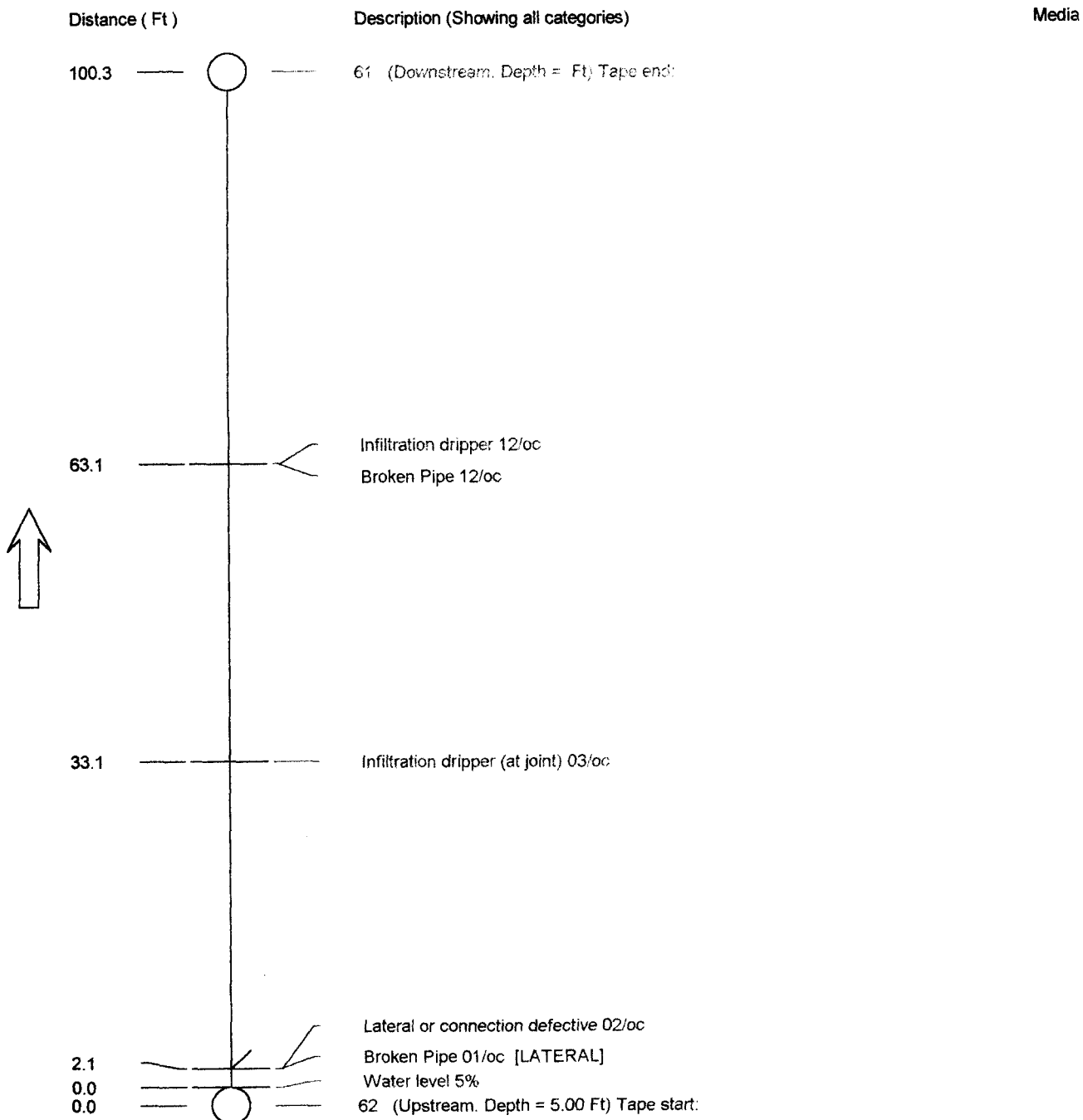
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 8	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 62
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 2ND ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 340.0 Ft	<b>From</b> 60	<b>Depth</b> 7.60 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 59	<b>Depth</b> 4.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 63 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>				



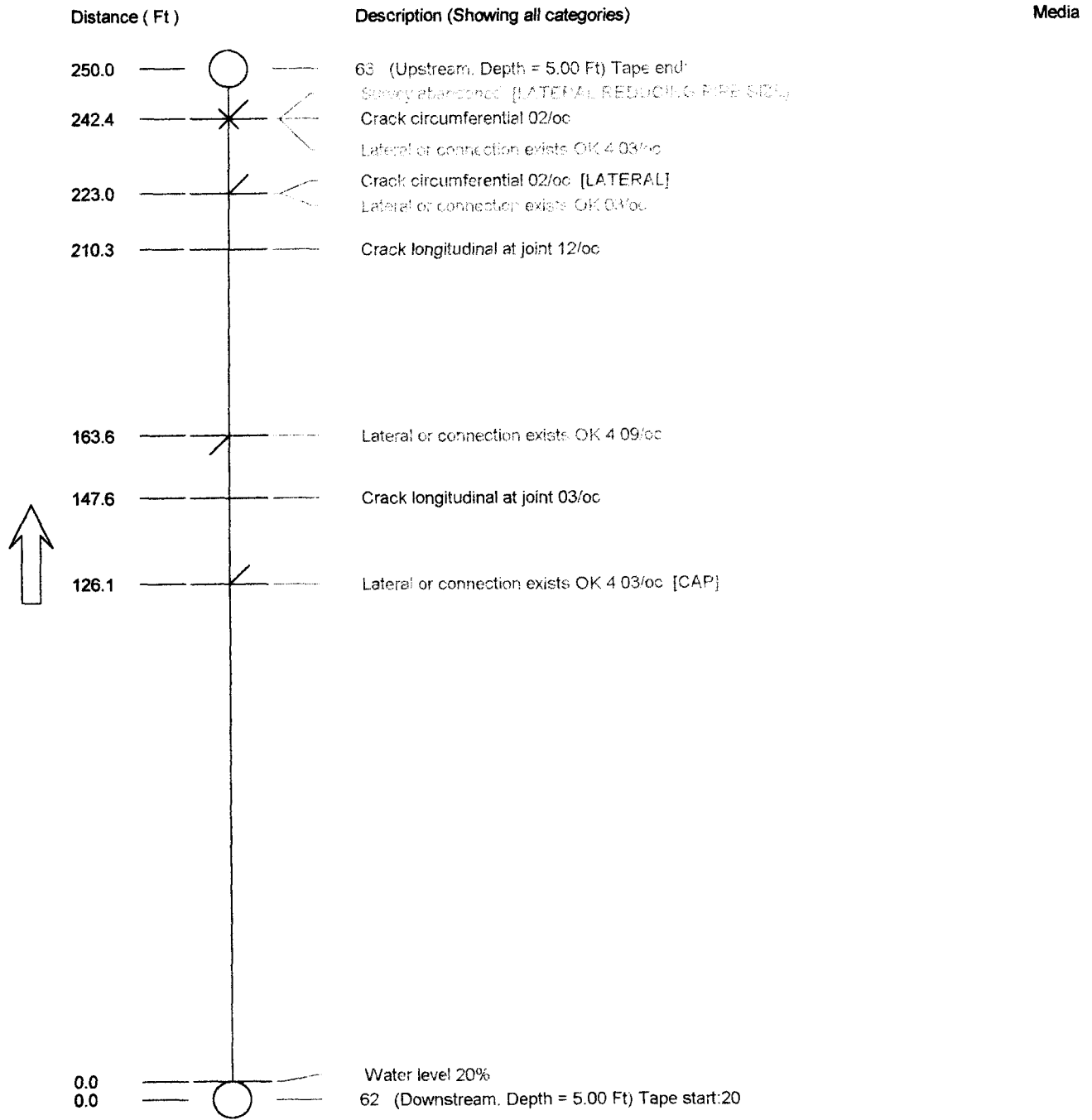
<b>Job</b>	<b>Contract</b>	<b>Cassette 9</b>	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 63
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 2ND ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 340.0 Ft	<b>From</b> 59	<b>Depth</b> 4.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 60	<b>Depth</b> 7.60 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 62 FOR REVERSE SETUP		<b>Structure</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Material</b>	<b>Condition</b>	<b>Notes</b>



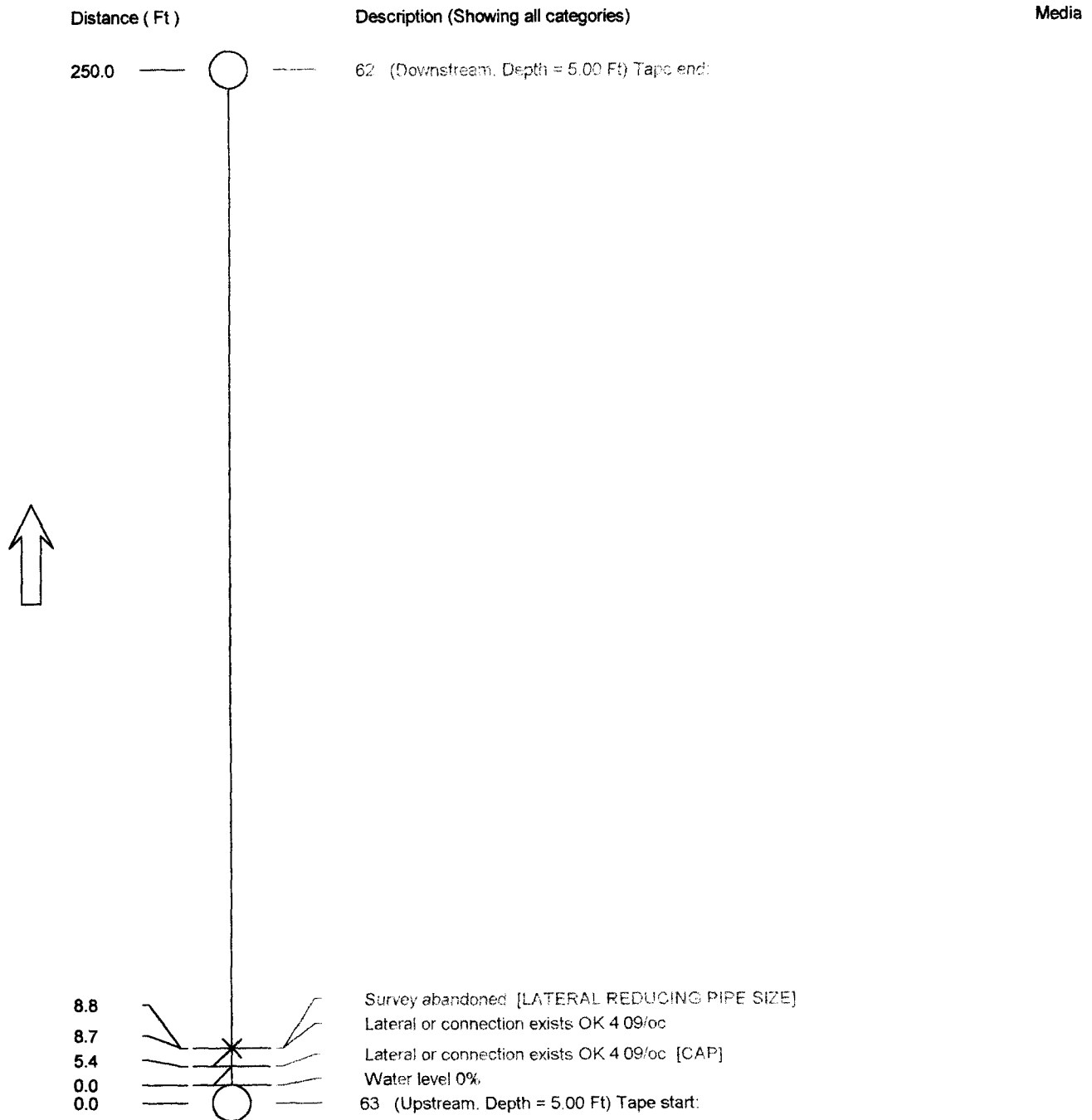
<b>Job</b>	<b>Contract</b>	<b>Cassette 9</b>	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 64
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 1ST AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 100.3 Ft	<b>From</b> 62	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 61	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Material	Access	Other



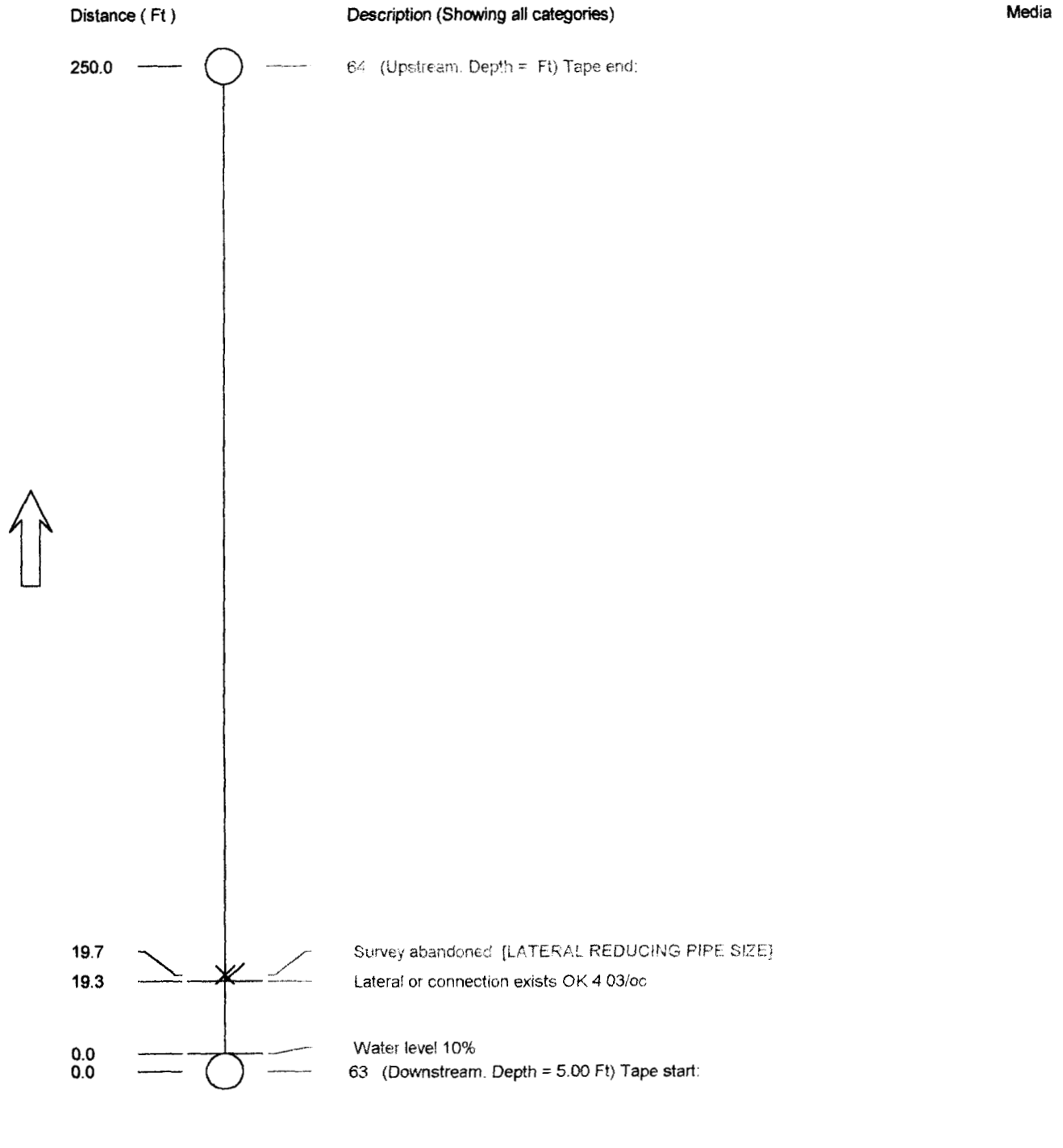
<b>Job</b>	<b>Contract</b>	<b>Cassette 9</b>	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 65
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> VACATED		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 250.0 Ft	<b>From</b> 62	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size 8 by ins</b>	<b>To</b> 63	<b>Depth</b> 5.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 66 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Material</b>	<b>Media</b>	



<b>Job</b>	<b>Contract</b>	<b>Cassette 9</b>	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 66
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> VACATED		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 250.0 Ft	<b>From</b> 63	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 62	<b>Depth</b> 5.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 65 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Ground material</b>
<b>Location note</b>				

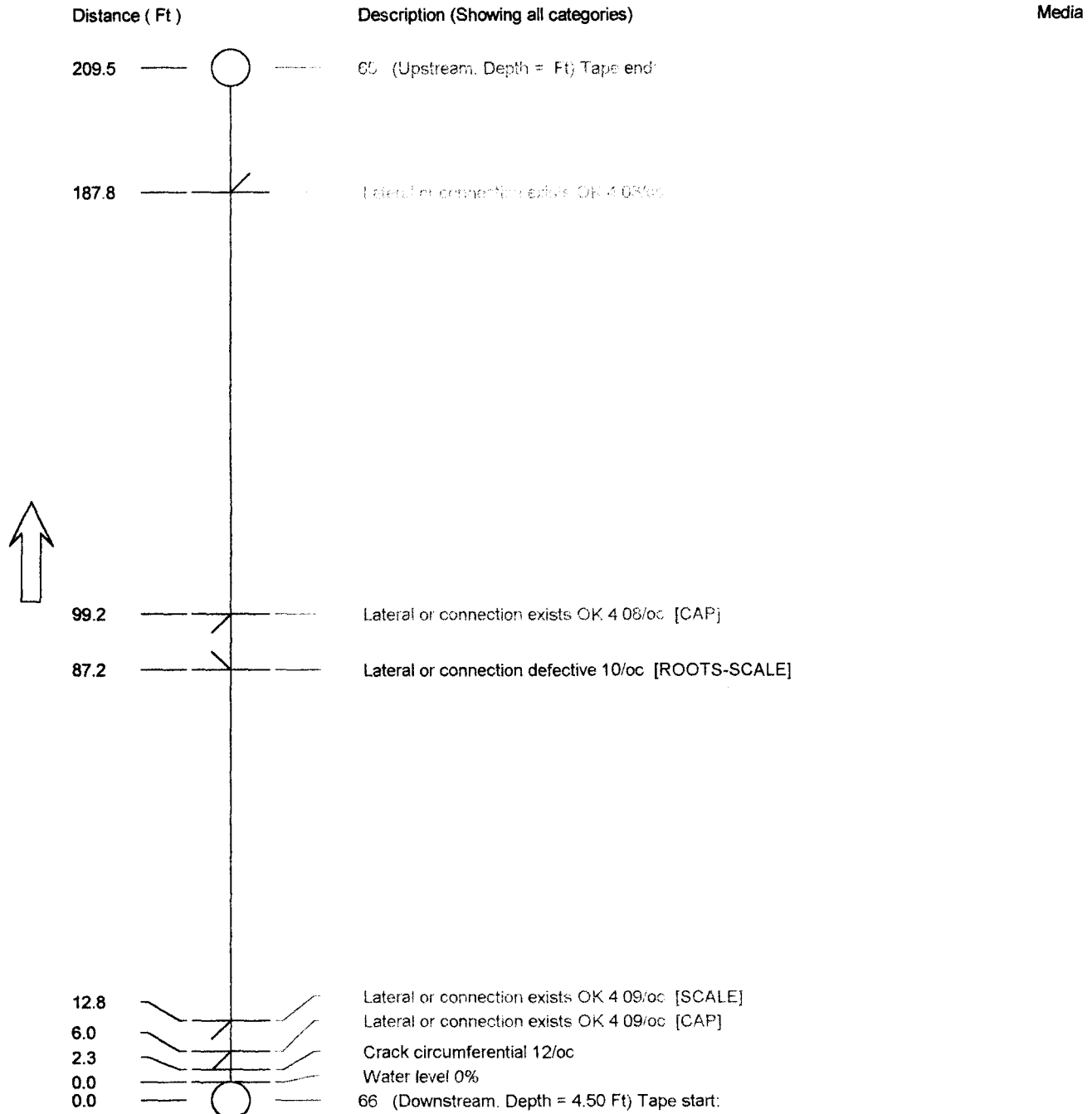


<b>Job</b>	<b>Contract</b>	<b>Cassette 9</b>	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 67
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> ALLEY		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 250.0 Ft	<b>From</b> 63	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 64	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 83 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>				

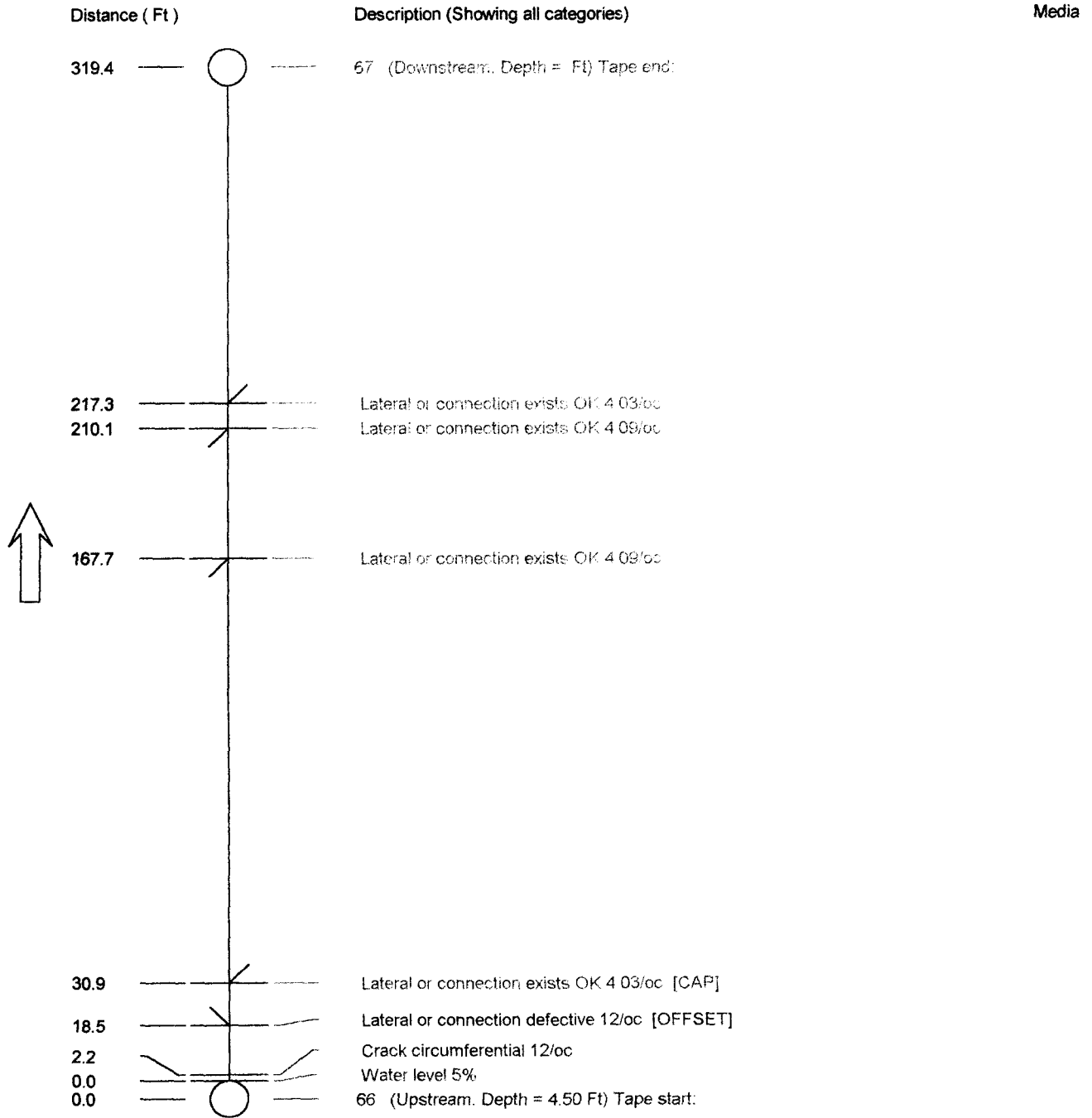




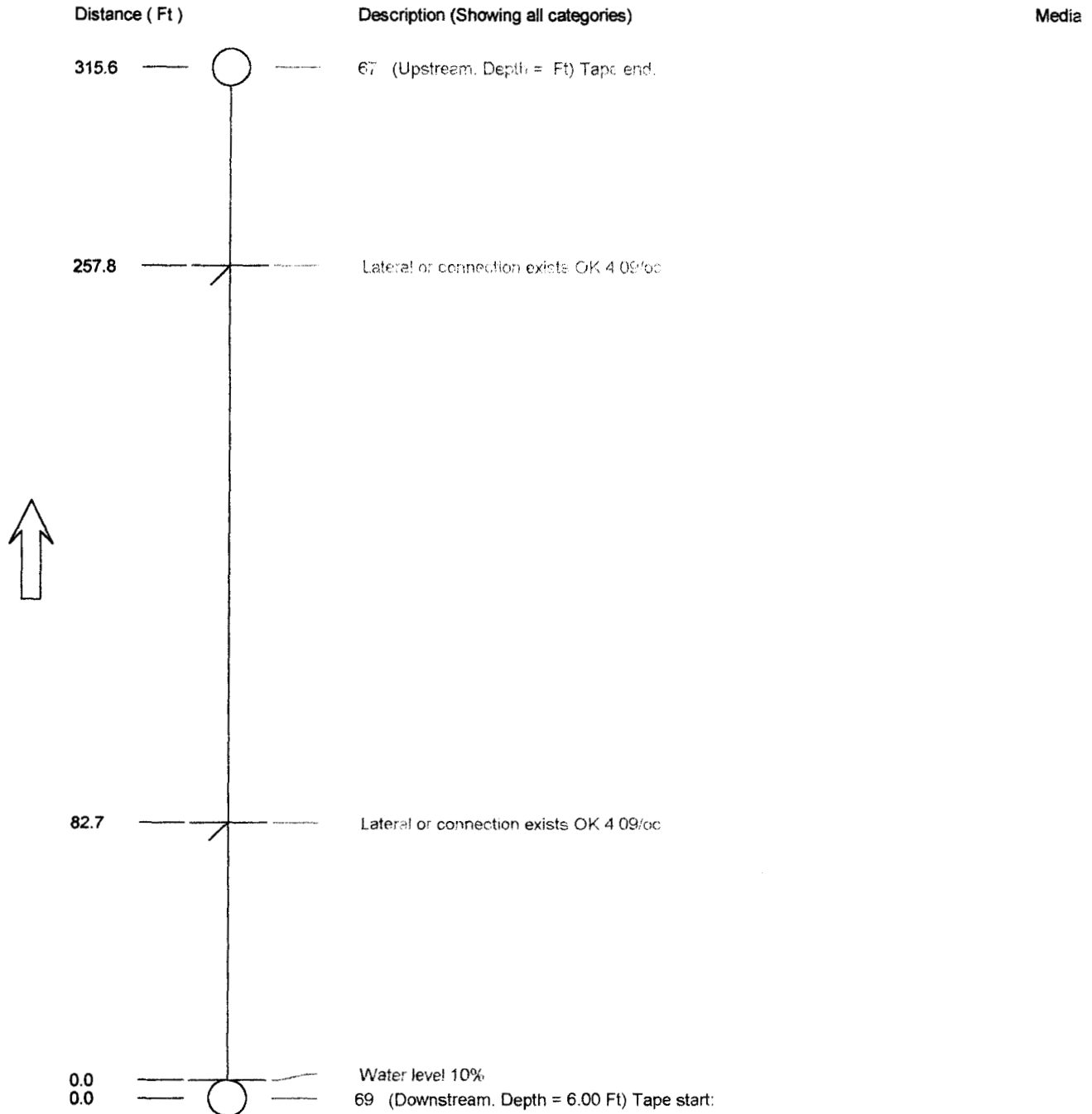
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 9	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 68
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 4TH ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 209.5 Ft	<b>From</b> 66	<b>Depth</b> 4.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 65	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		65 (upstream)	66 (downstream)	



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 9	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 69
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 319.4 Ft	<b>From</b> 66	<b>Depth</b> 4.50 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 67	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> PIPE ACCESS FITTING PULLING OFF		<b>Structural</b>	<b>Surface</b>	<b>Construction</b>
<b>Location note</b>				



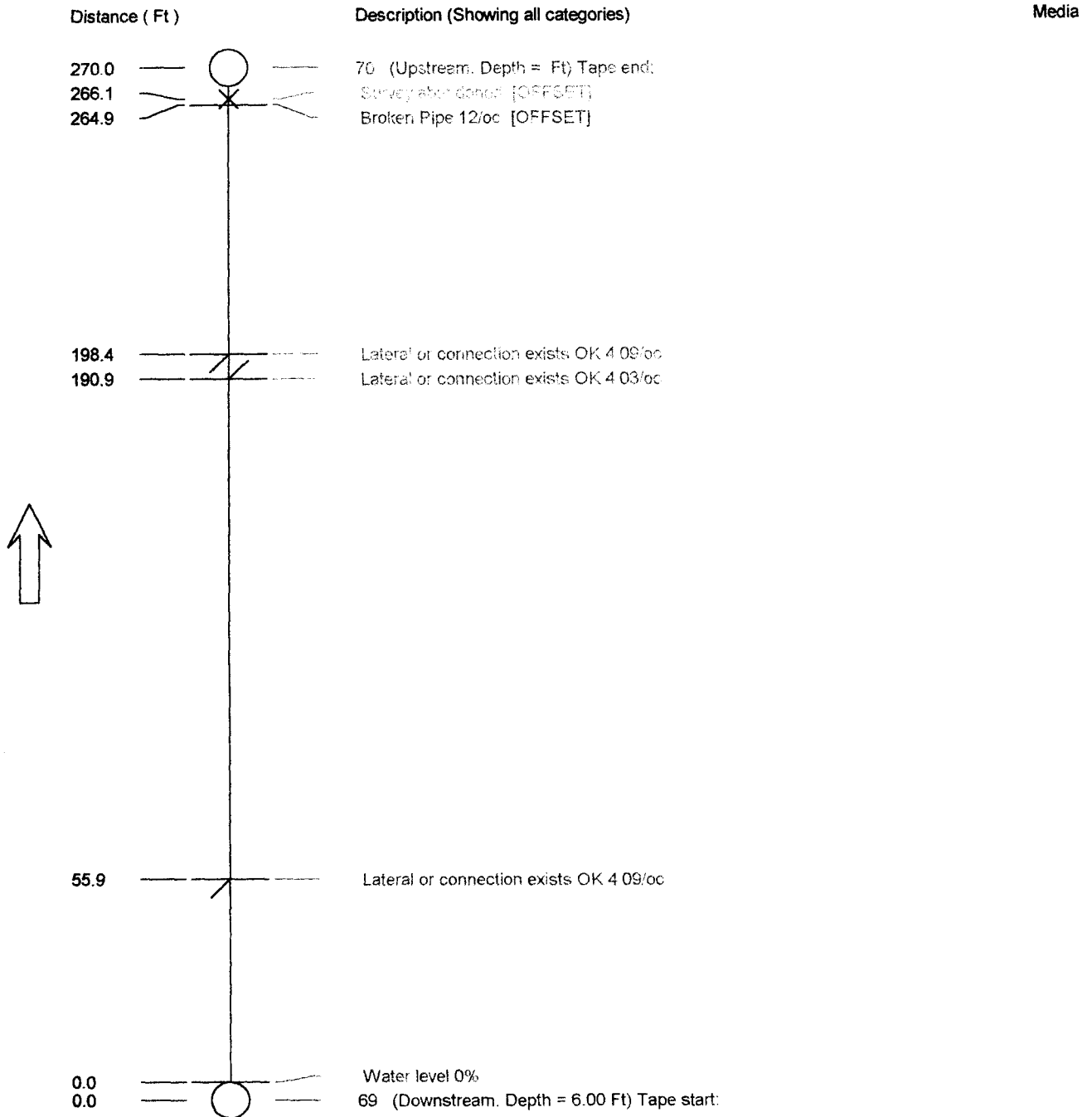
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 9	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 70
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather:</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 315.6 Ft	<b>From</b> 69	<b>Depth</b> 6.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 67	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	General condition
<b>Location note</b>		Mileage	By	



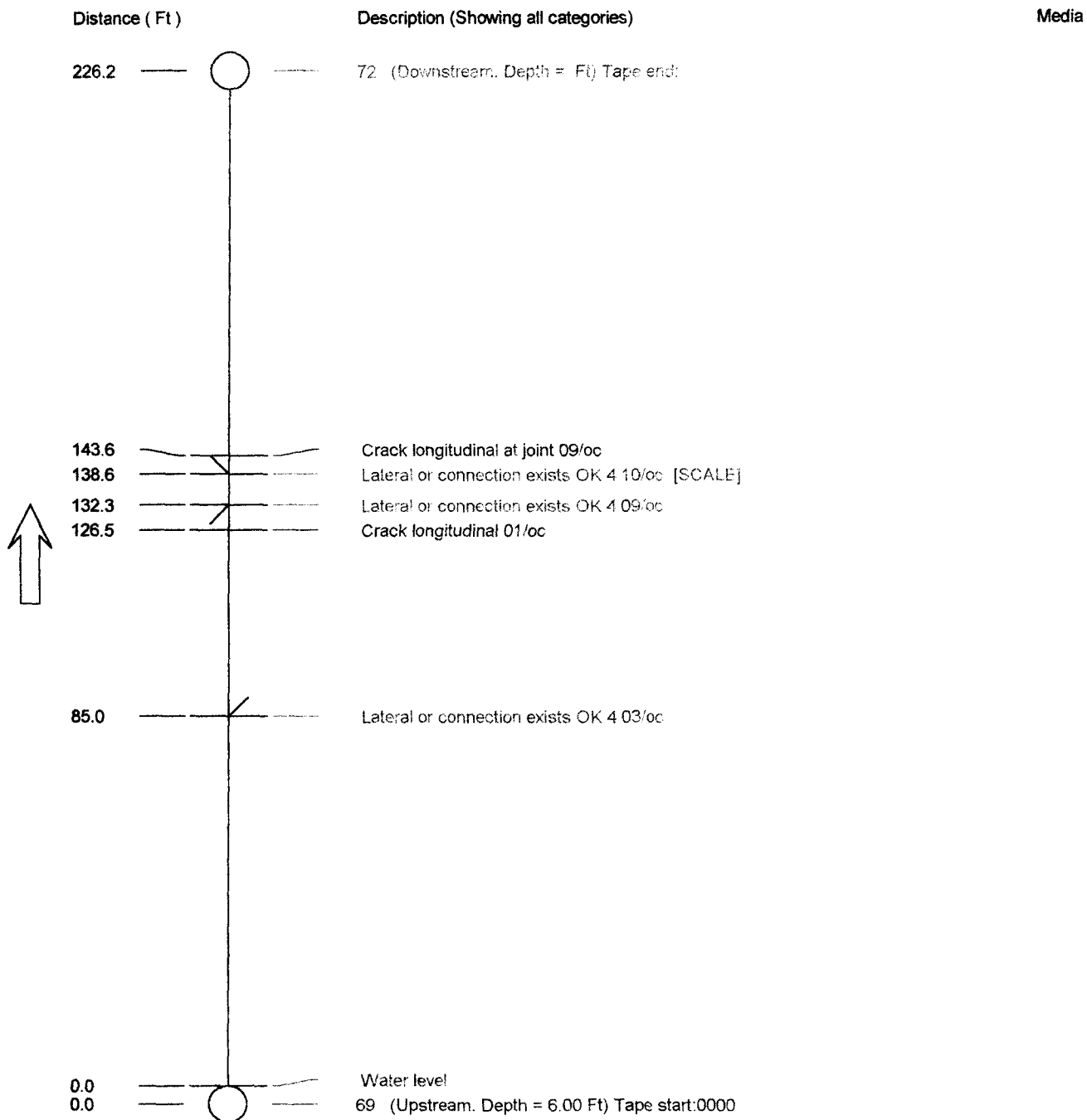
Pipe Graphic Report of PLR 70 X

for MID-COUNTY SERVICES, INC.

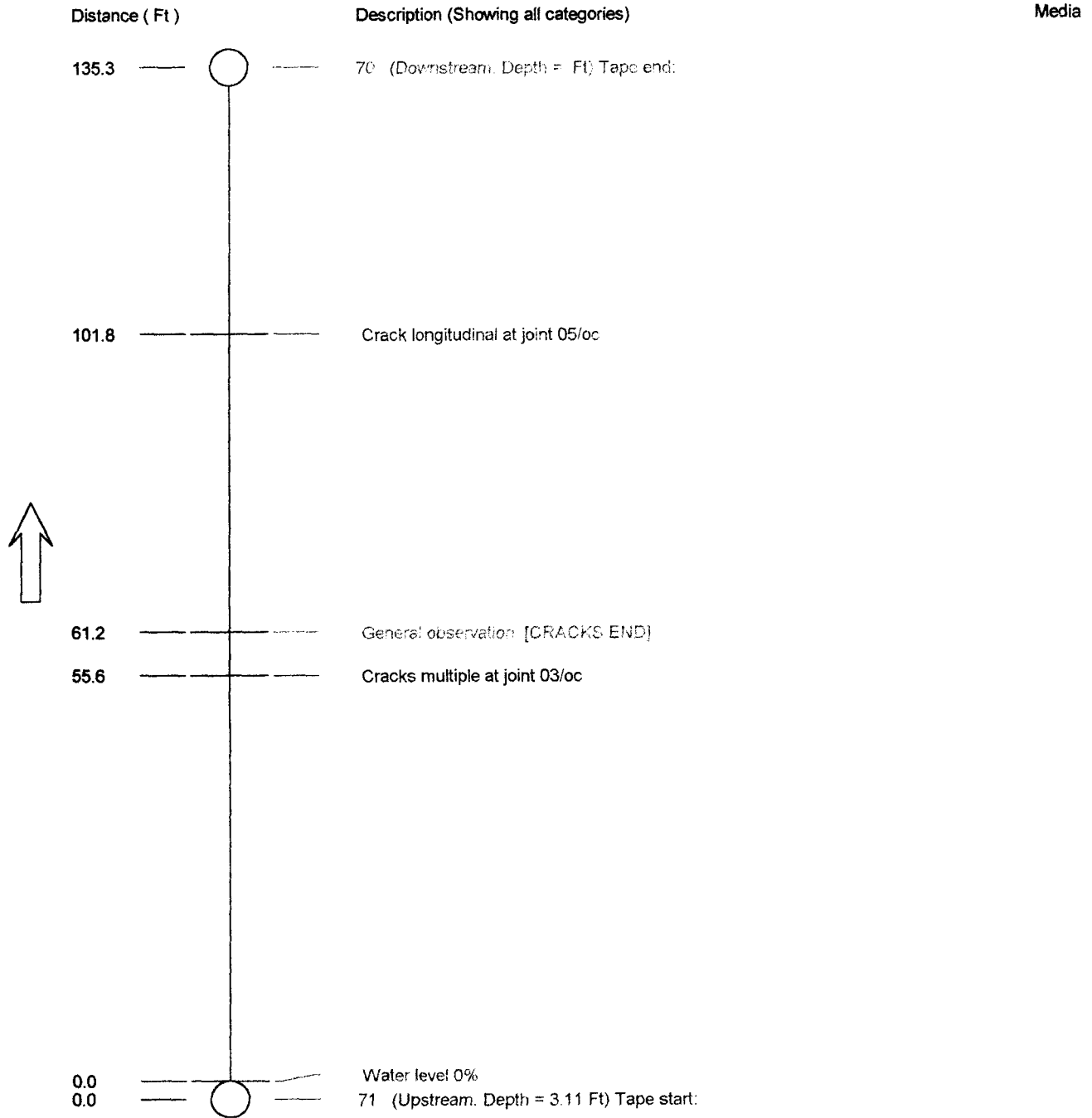
<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette</b> 9	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 71
<b>Road Name</b> 3RD ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 270.0 Ft	<b>From</b> 69	<b>Depth</b> 6.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 70	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Miscellaneous		



<b>Job</b>	<b>Contract</b>	<b>Cassette 9</b>	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 72
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 226.2 Ft	<b>From</b> 69	<b>Depth</b> 6.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 72	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Material	Joint	



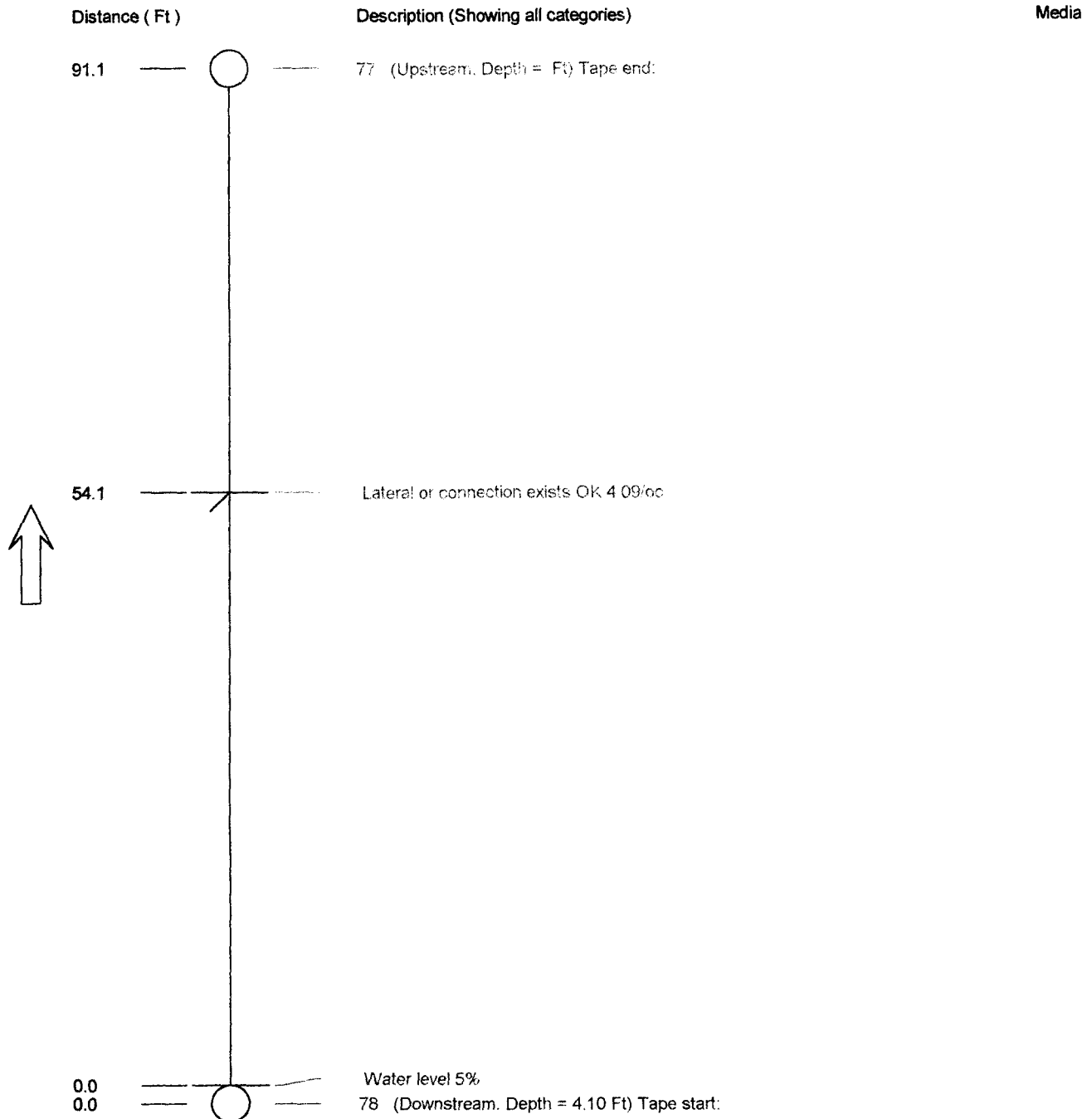
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/16/2004	<b>Sheet</b> 73
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 2ND AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 135.3 Ft	<b>From</b> 71	<b>Depth</b> 3.11 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 70	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction:</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>		Structural	Service	Cracks
<b>Location note</b>		Material	Condition	Location



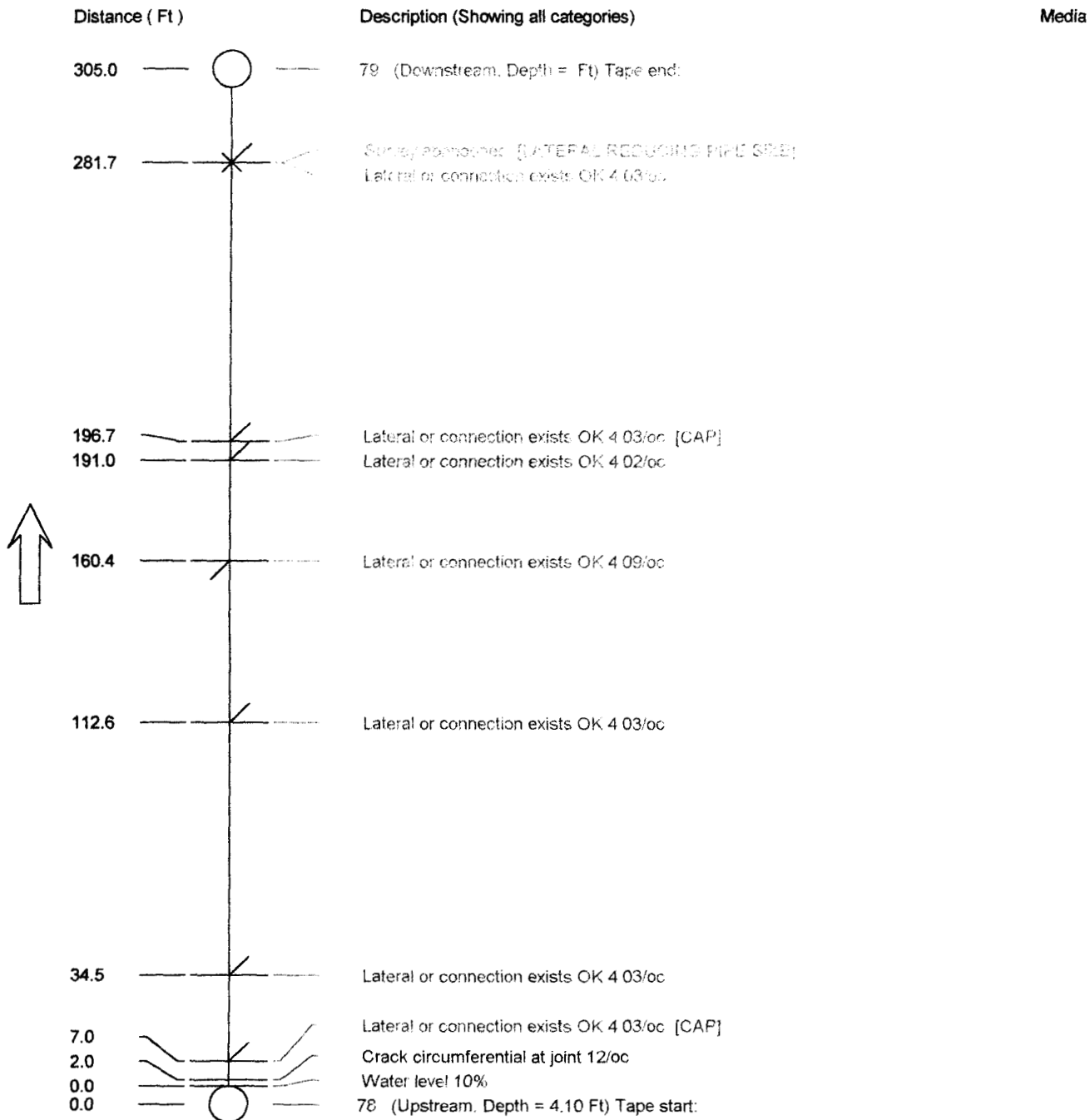
Pipe Graphic Report of PLR 77 X

for MID-COUNTY SERVICES, INC.

<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 74
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 91.1 Ft	<b>From</b> 78	<b>Depth</b> 4.10 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 77	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Condition
<b>Location note</b>		Maintenance	Access	Notes

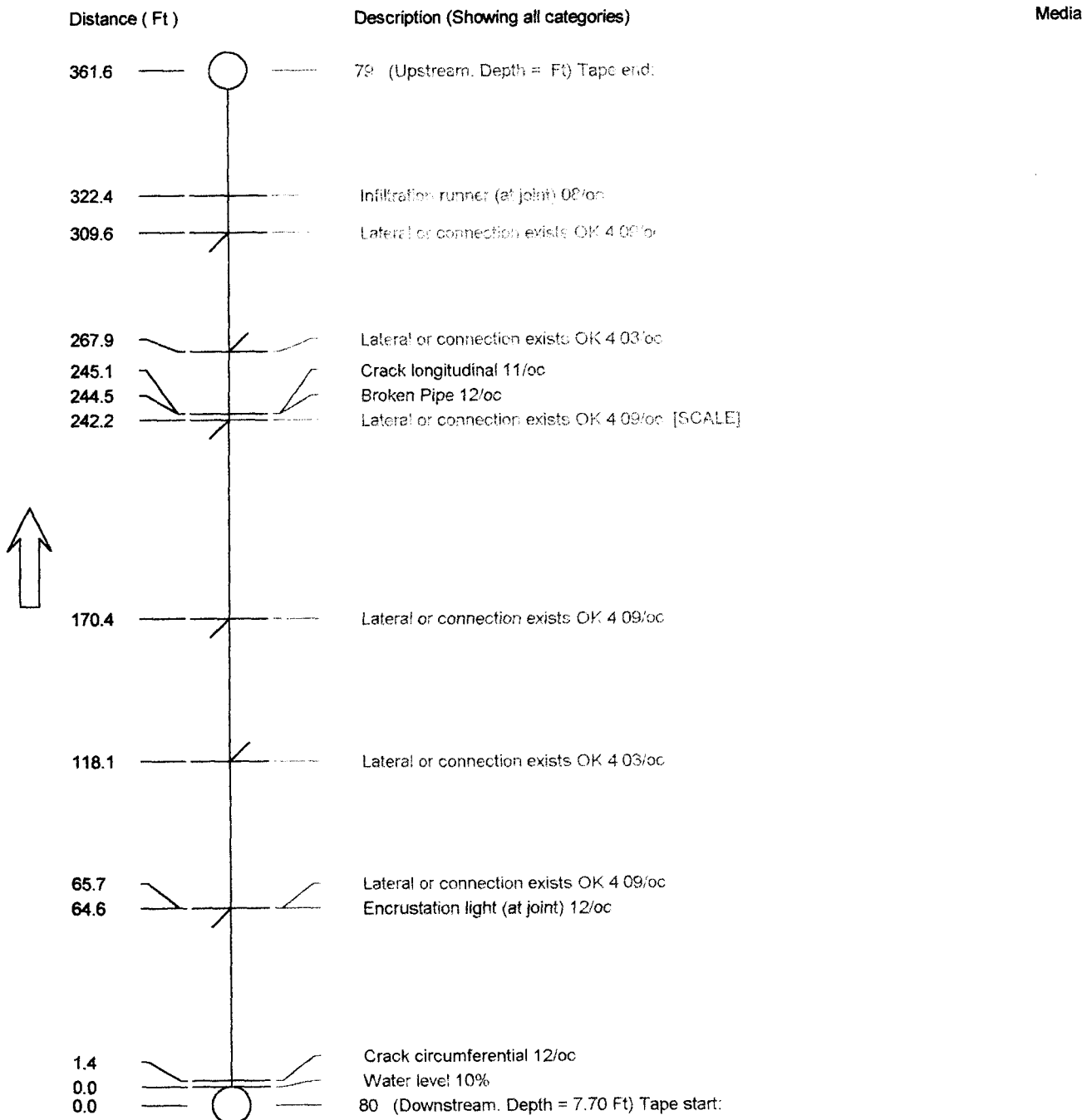


<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 75
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 305.0 Ft	<b>From</b> 78	<b>Depth</b> 4.10 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 79	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 77 FOR REVERSE SETUP			<b>Structural</b>	<b>Service</b>
<b>Location note</b>			<b>Construction</b>	

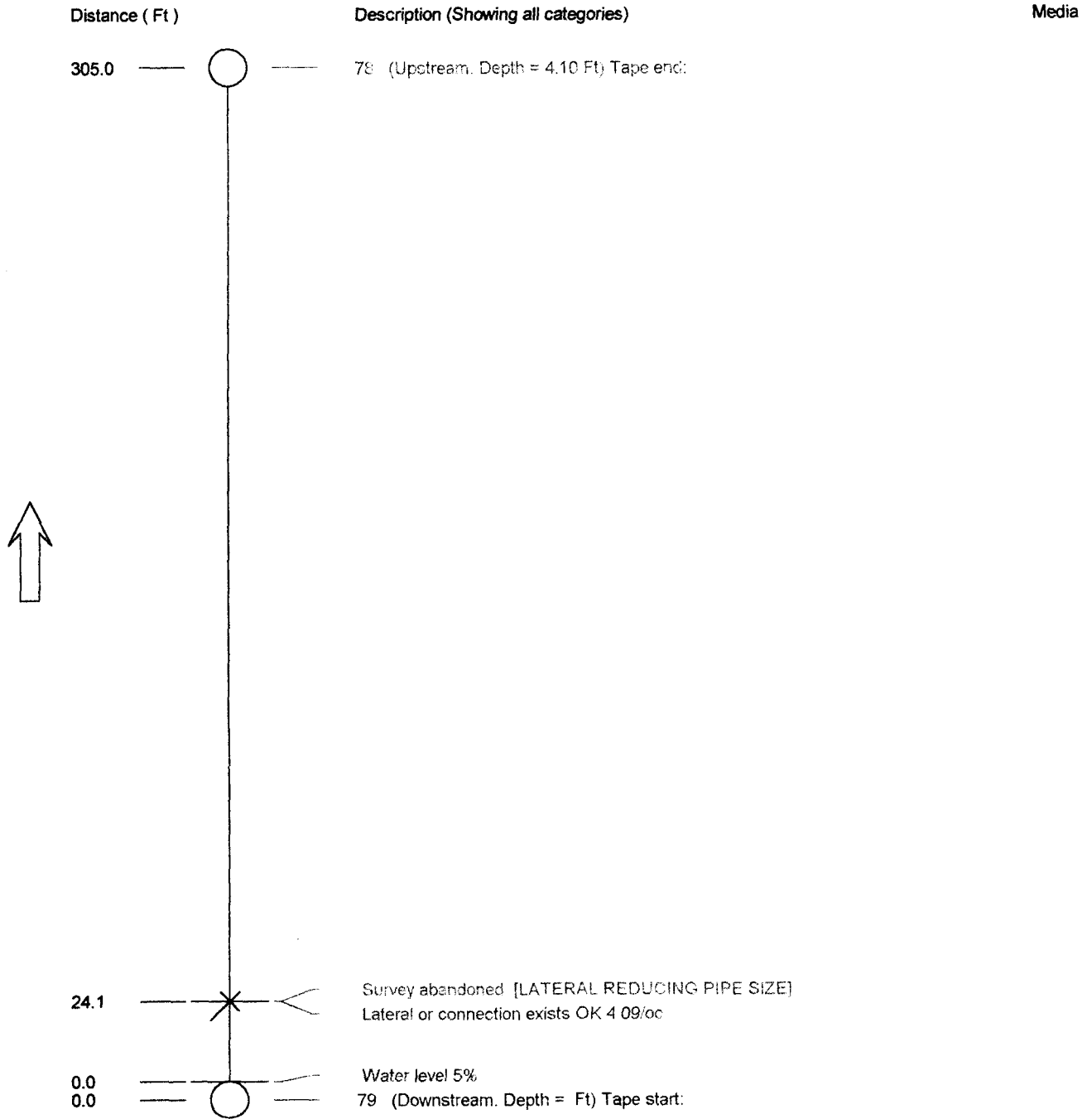




<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 76
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 361.6 Ft	<b>From</b> 80	<b>Depth</b> 7.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 79	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Maintenance	Other	



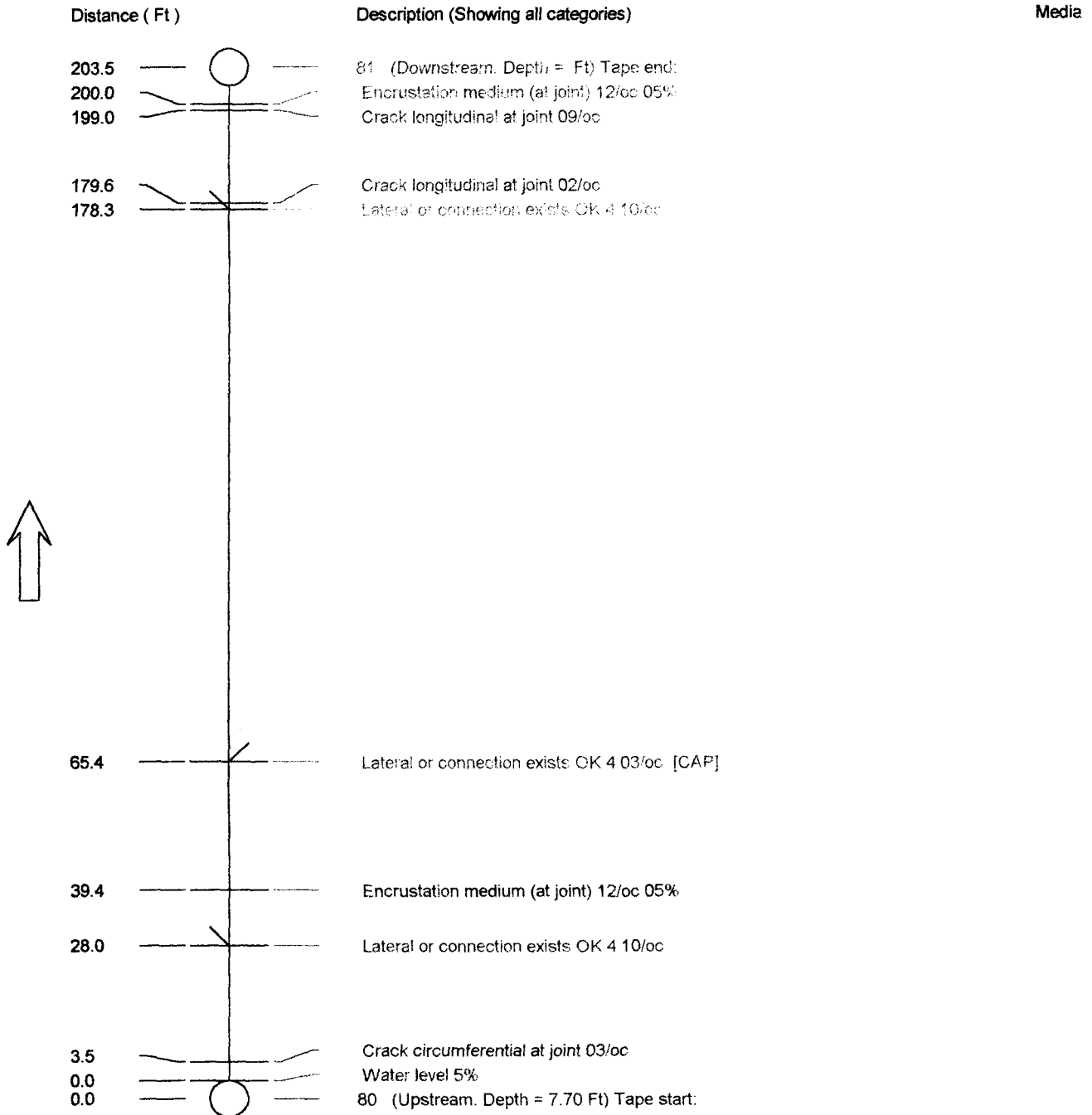
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 77
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 305.0 Ft	<b>From</b> 79	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 78	<b>Depth</b>	4.10 Ft
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> see sheet 75 for reverse setup		Structural	Service	Good/functional
<b>Location note</b>		Minor/leaking	None	



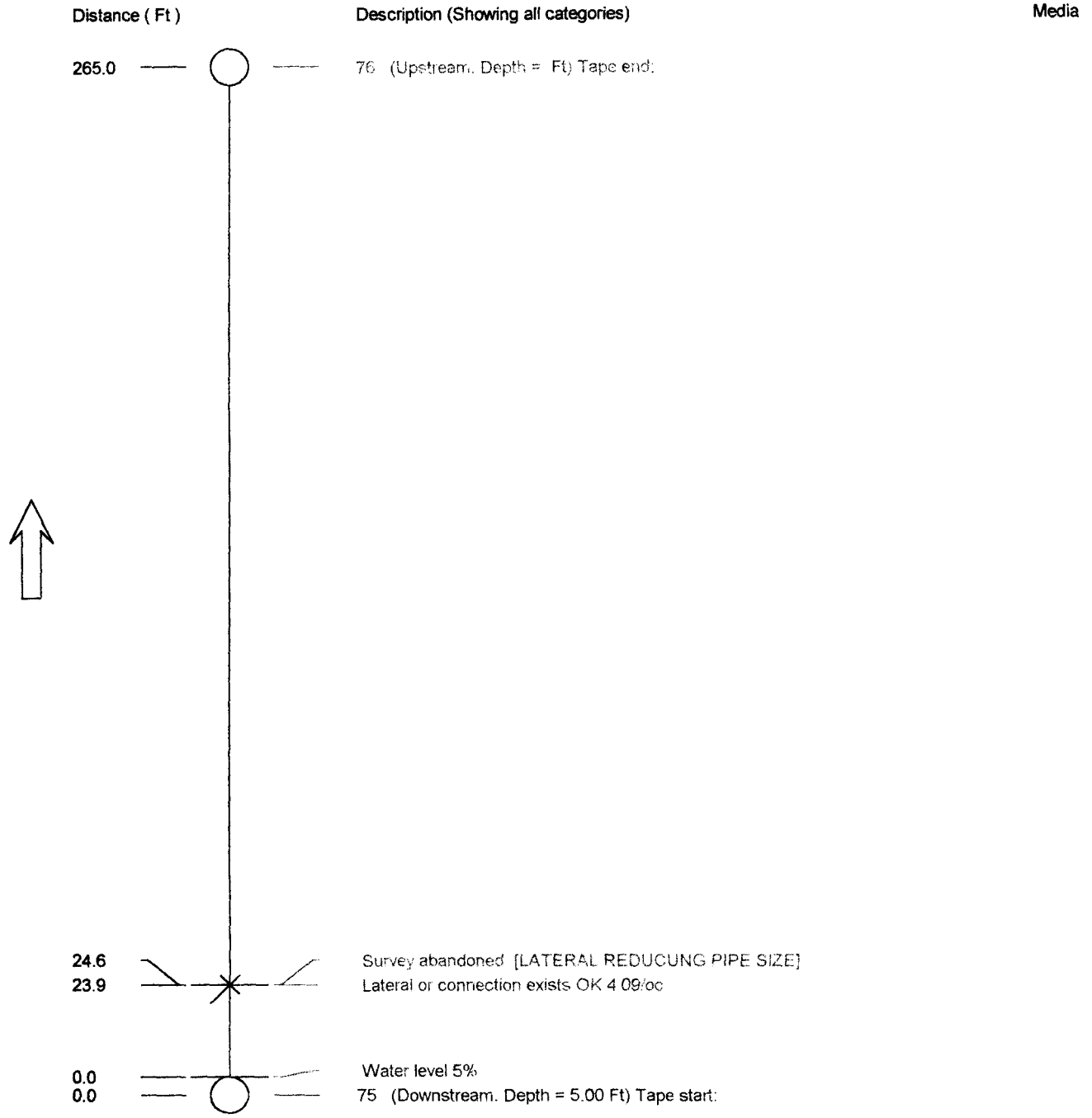
Pipe Graphic Report of PLR 80 X

for MID-COUNTY SERVICES, INC.

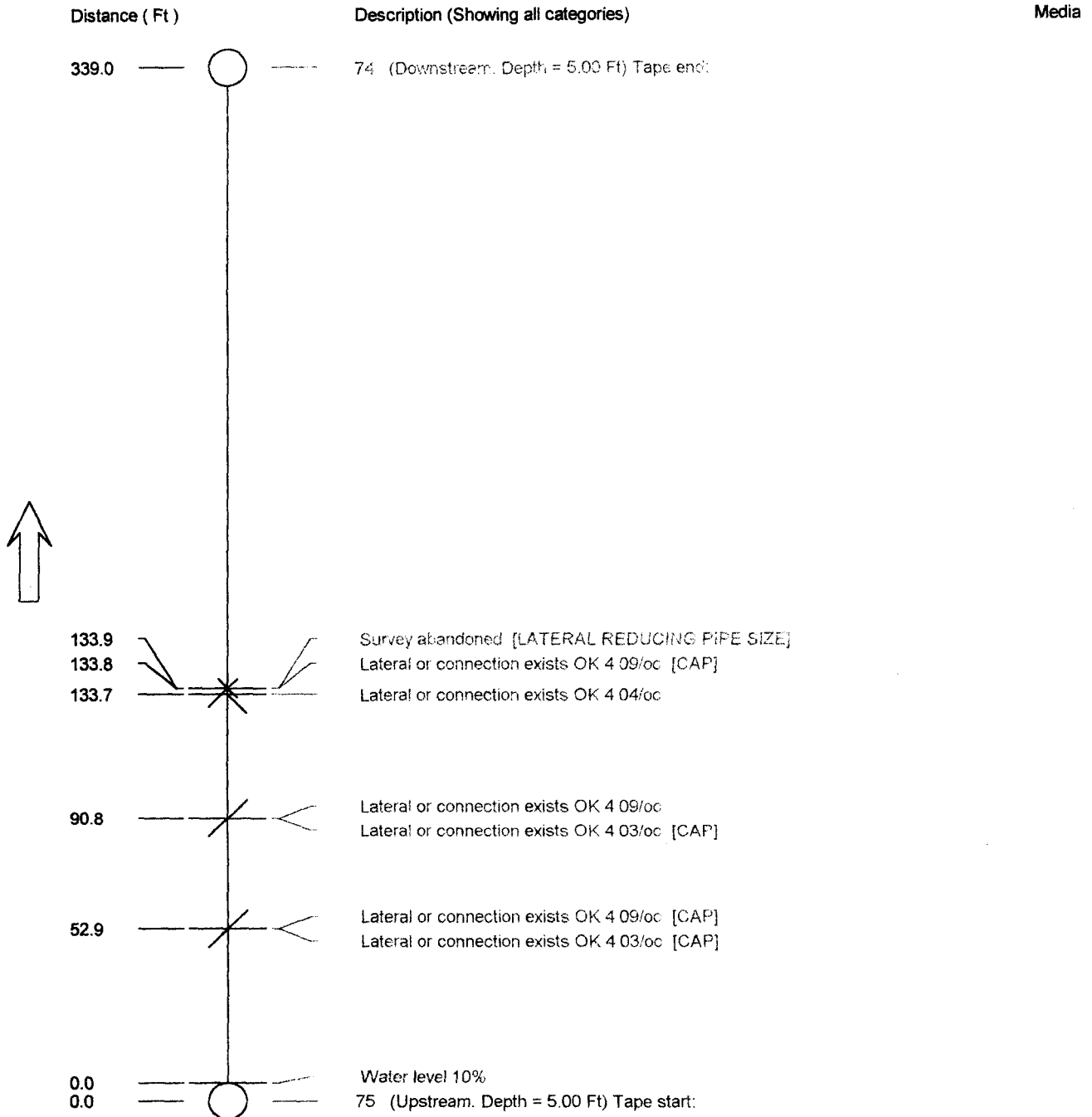
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 78
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 203.5 Ft	<b>From</b> 80	<b>Depth</b> 7.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 81	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Construction
<b>Location note</b>		Minor	Major	Severe



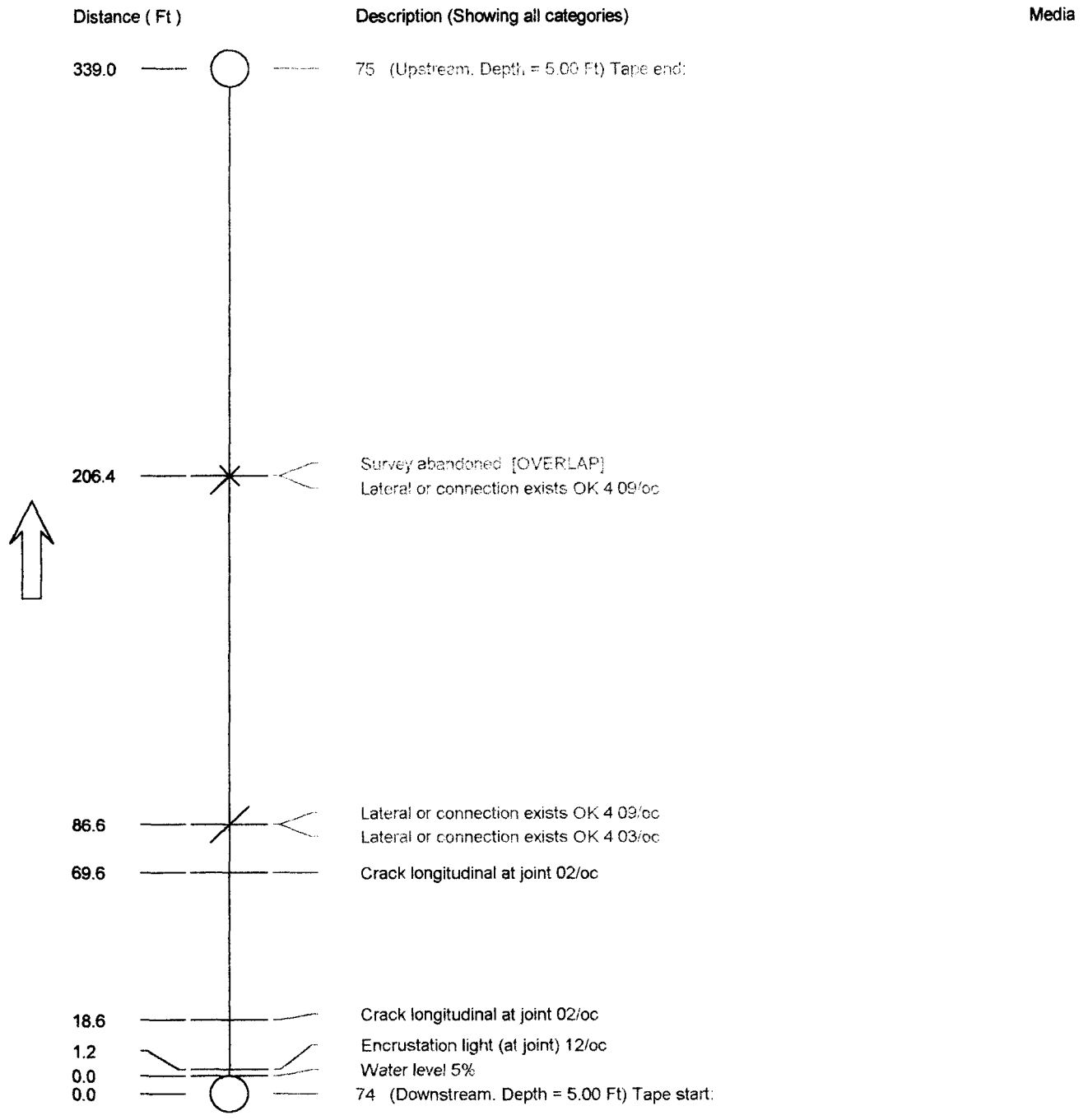
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 79
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 265.0 Ft	<b>From</b> 75	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 76	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 90 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>				



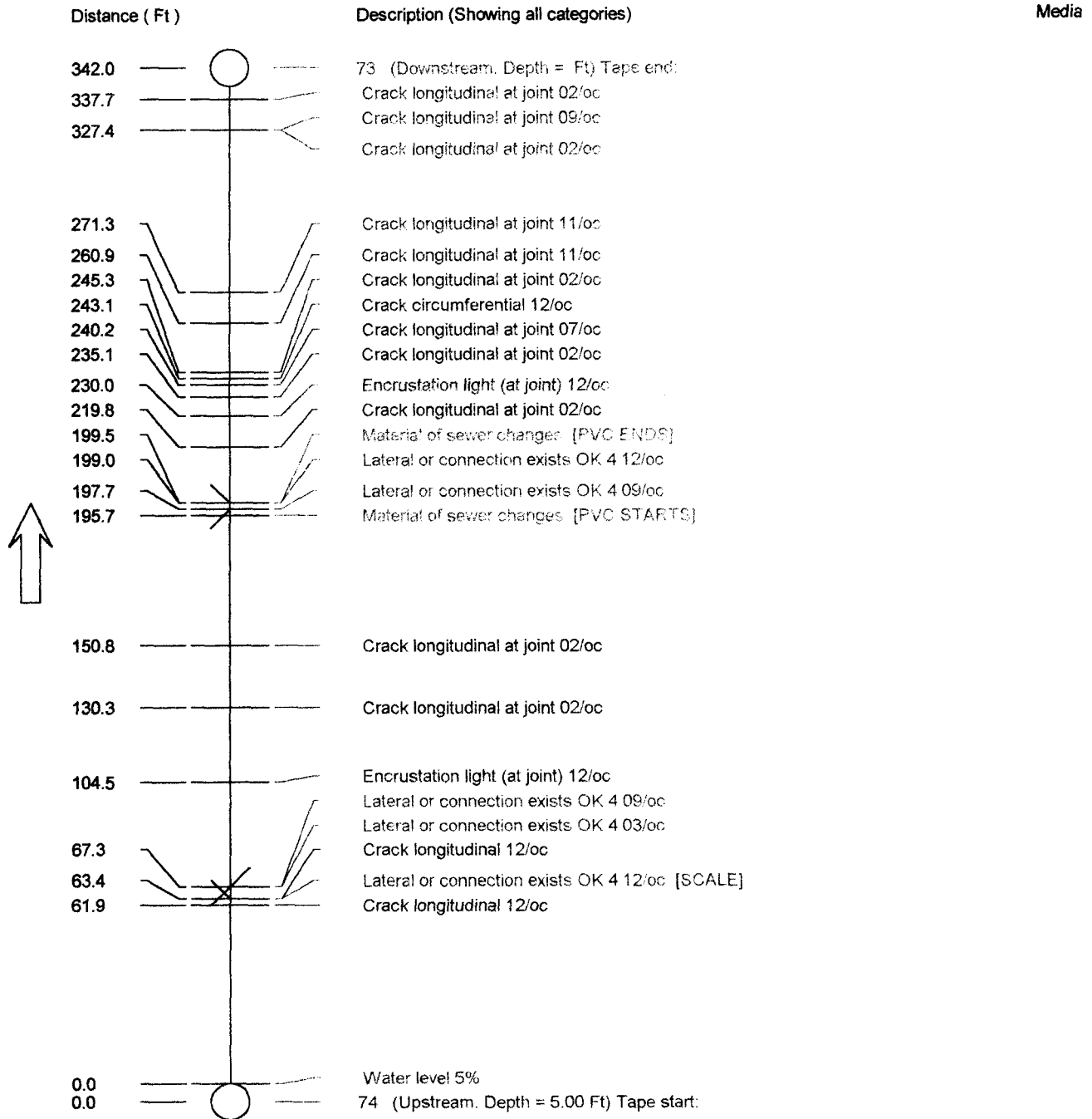
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 80
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 339.0 Ft	<b>From</b> 75	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 74	<b>Depth</b> 5.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 81 FOR REVERSE SET UP			<b>Structural</b>	<b>Service</b>
<b>Location note</b>			<b>Material</b>	<b>Condition</b>



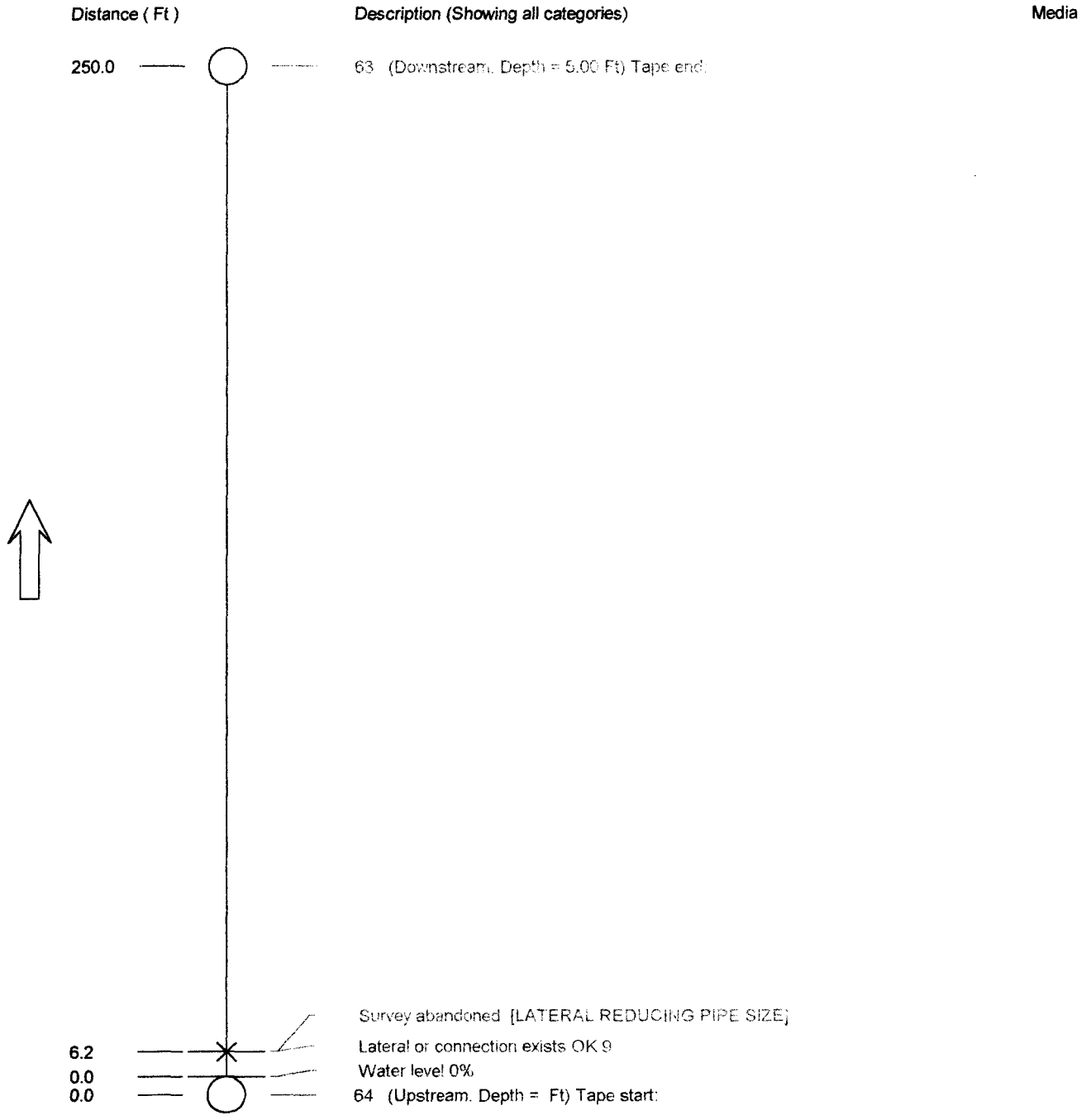
<b>Job</b>	<b>Contract</b>	<b>Cassette 10</b>	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 81
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 339.0 Ft	<b>From</b> 74	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 75	<b>Depth</b> 5.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 80 FOR REVERSE SET UP		<b>Structural</b>	<b>Active</b>	<b>Compliance</b>
<b>Location note</b>		<b>Flow direction</b>		



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 10	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 82
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 342.0 Ft	<b>From</b> 74	<b>Depth</b> 5.00 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 73	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> TAPE 11 STARTS AT 203'			<b>Structural</b>	<b>Service</b>
<b>Location note</b>			<b>Material</b>	<b>Condition</b>

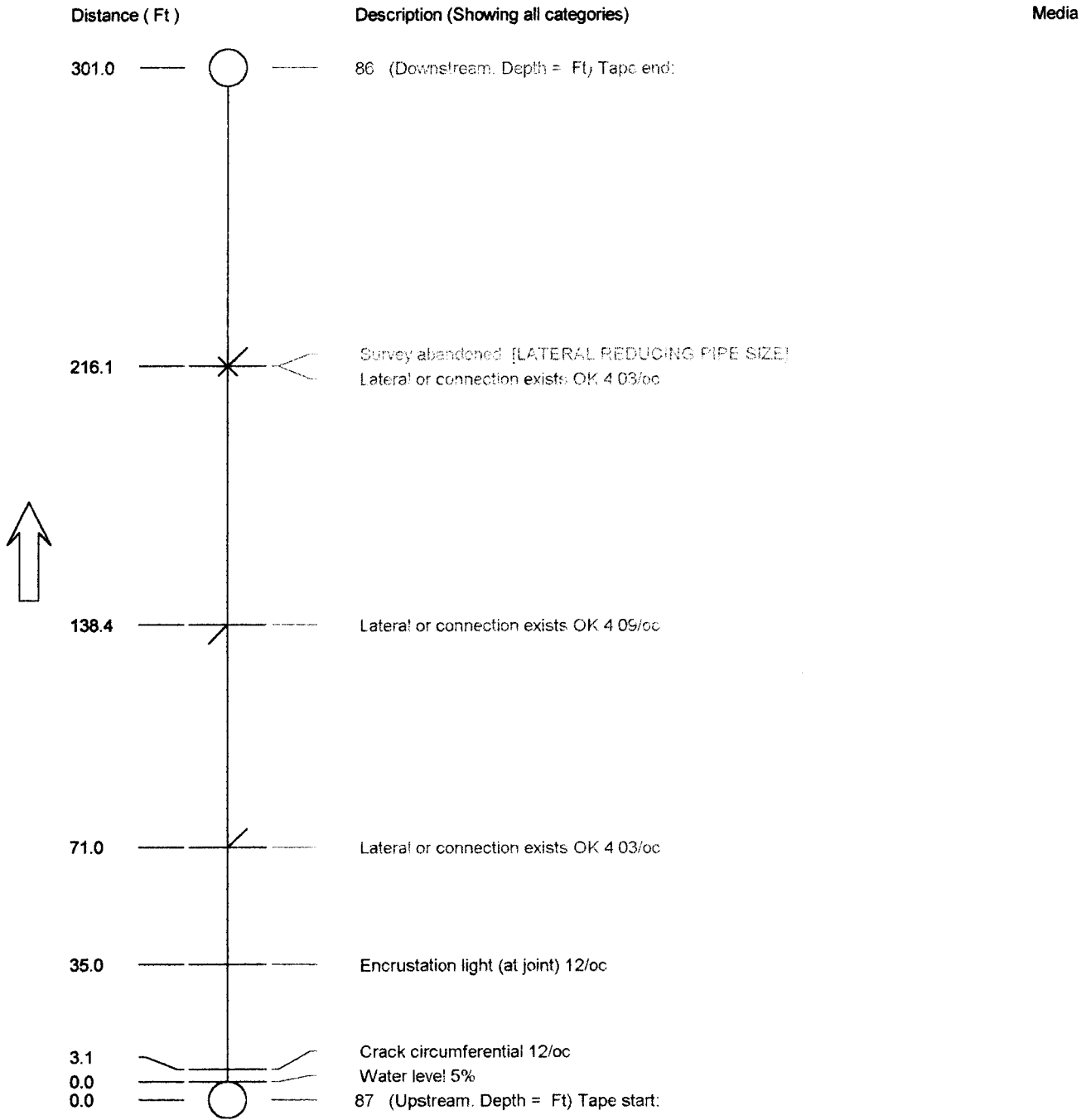


<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 11	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 83
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> ALLEY		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 250.0 Ft	<b>From</b> 64	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 63	<b>Depth</b>	5.00 Ft
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 67 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Material</b>	<b>Year</b>	<b>Notes</b>

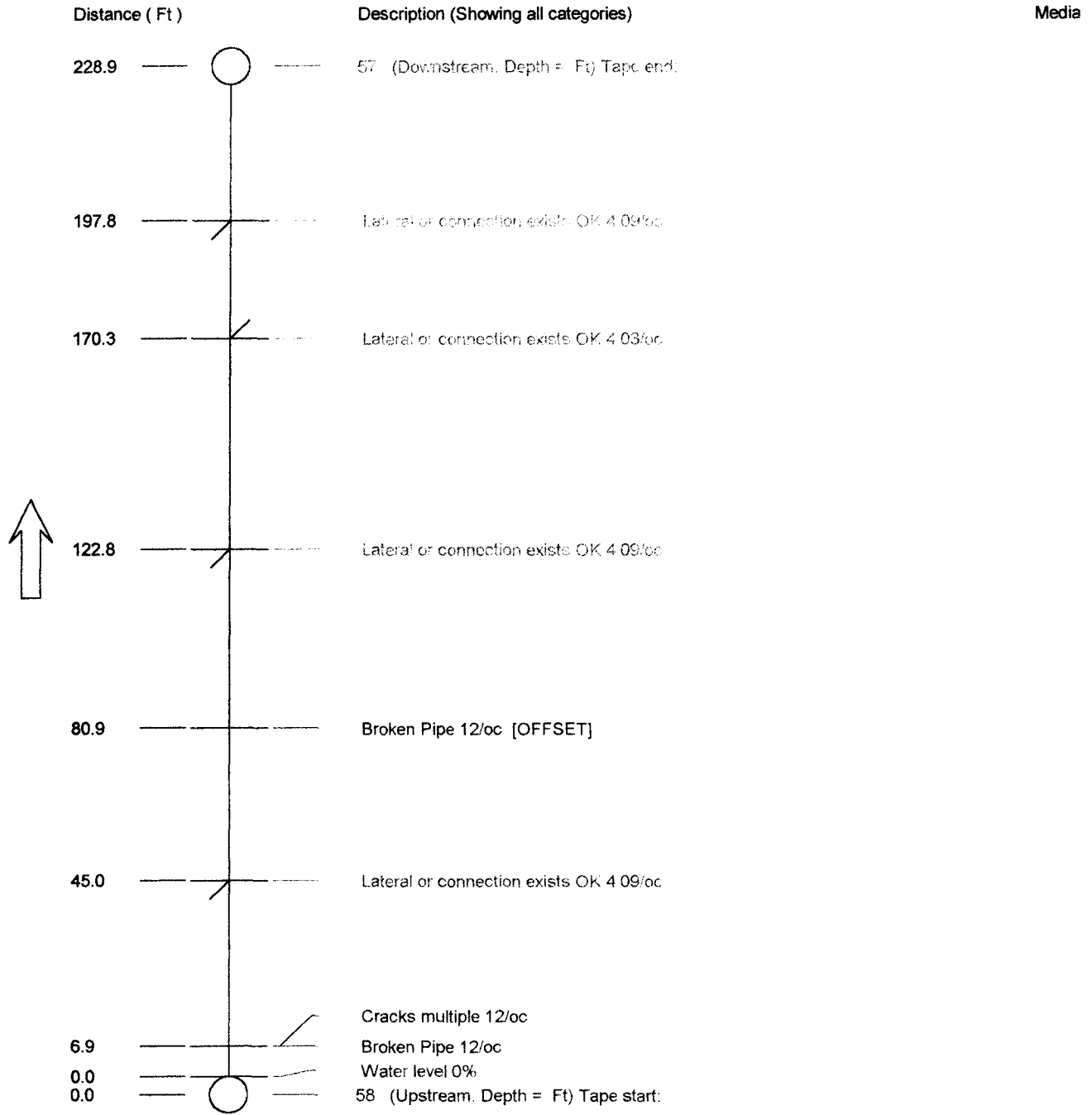




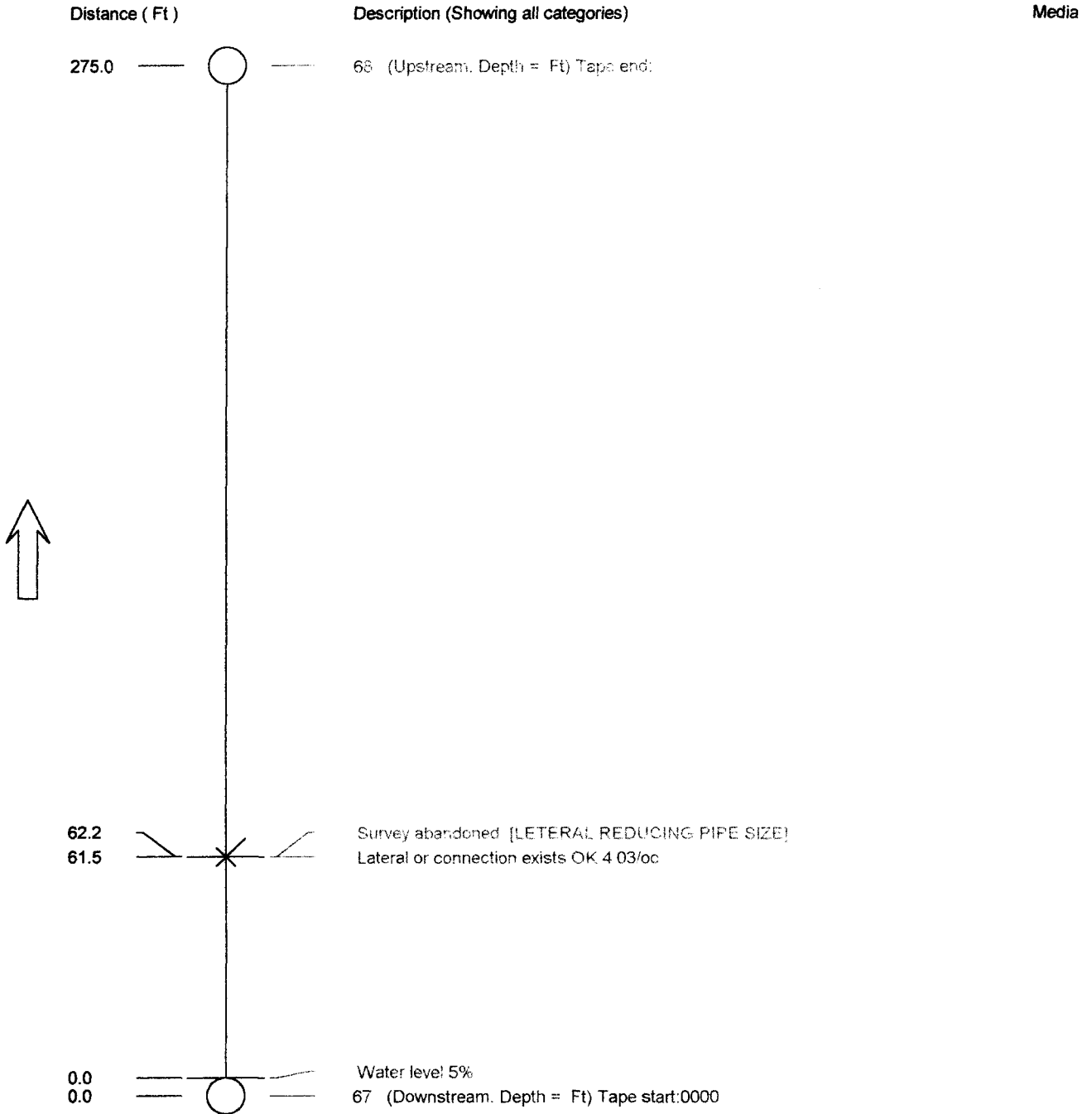
<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 84
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 301.0 Ft	<b>From</b> 87	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 86	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 89 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>				



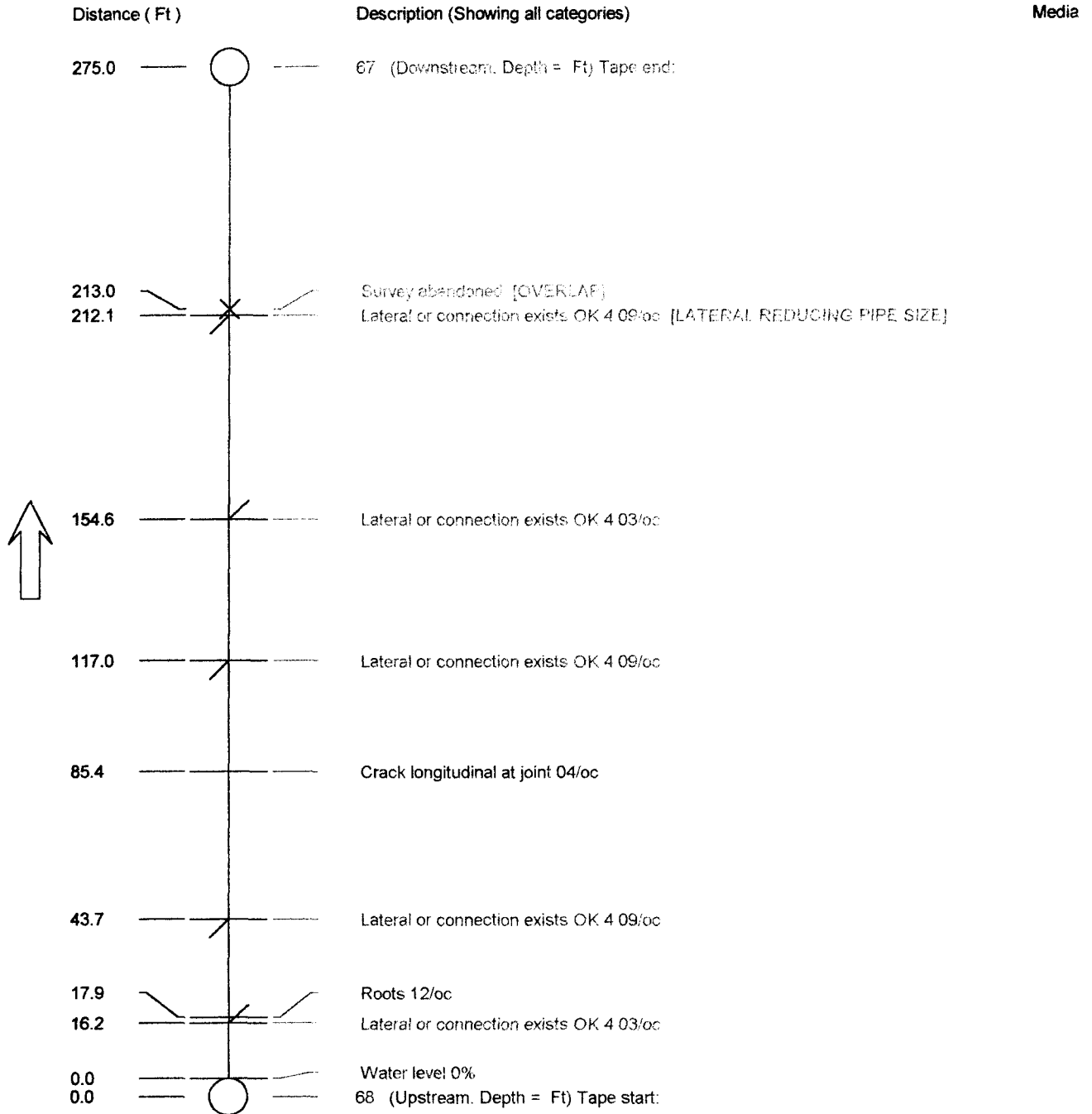
<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 85
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 1ST ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 228.9 Ft	<b>From</b> 58	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 57	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>	Structural		Service	Cracks multiple
<b>Location note</b>	Midstream			



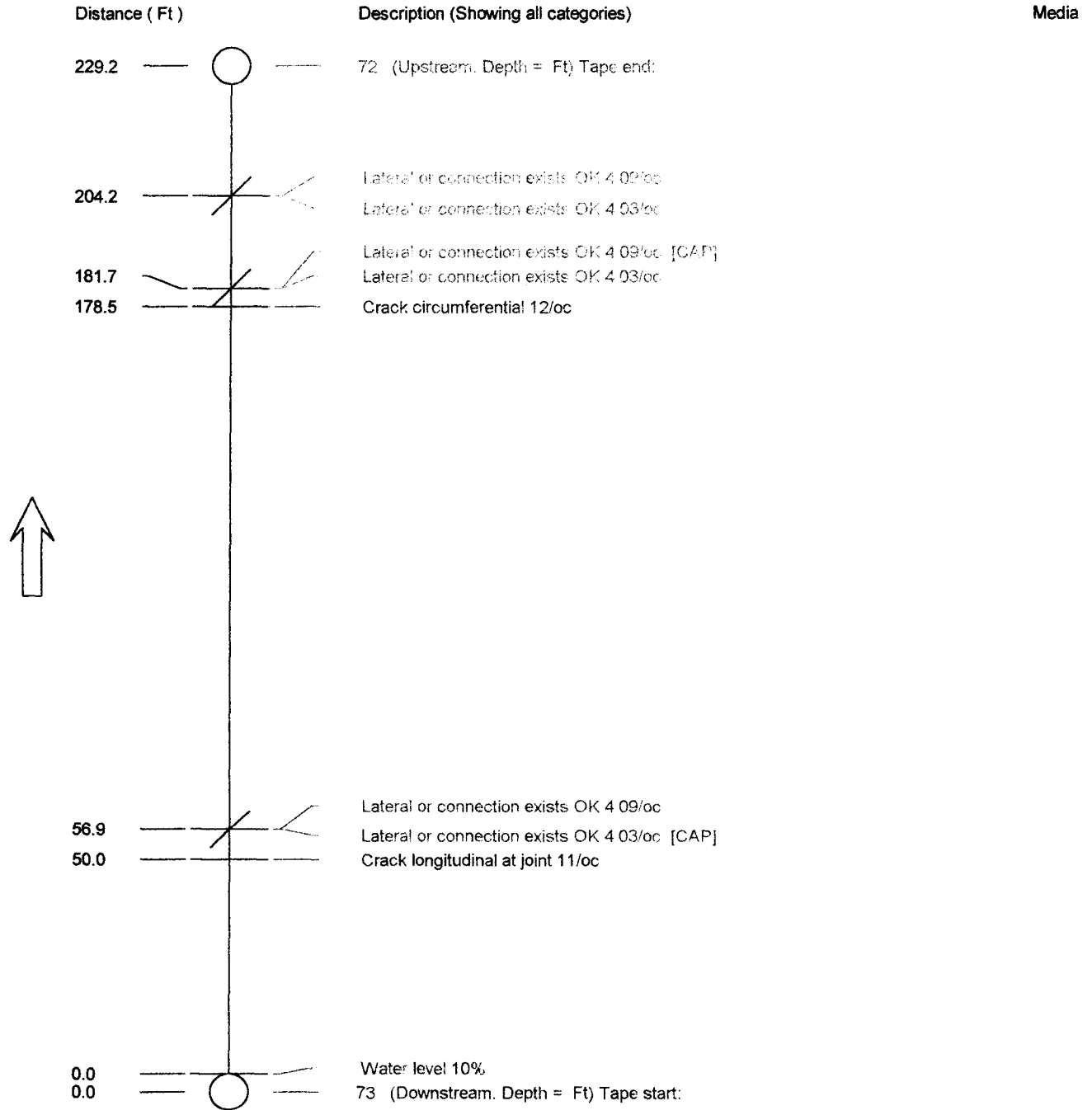
<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 86
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> TIERRA VERDE		<b>Place Name</b>		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 275.0 Ft	<b>From</b> 67	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 68	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 88 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>		OK	OK	OK



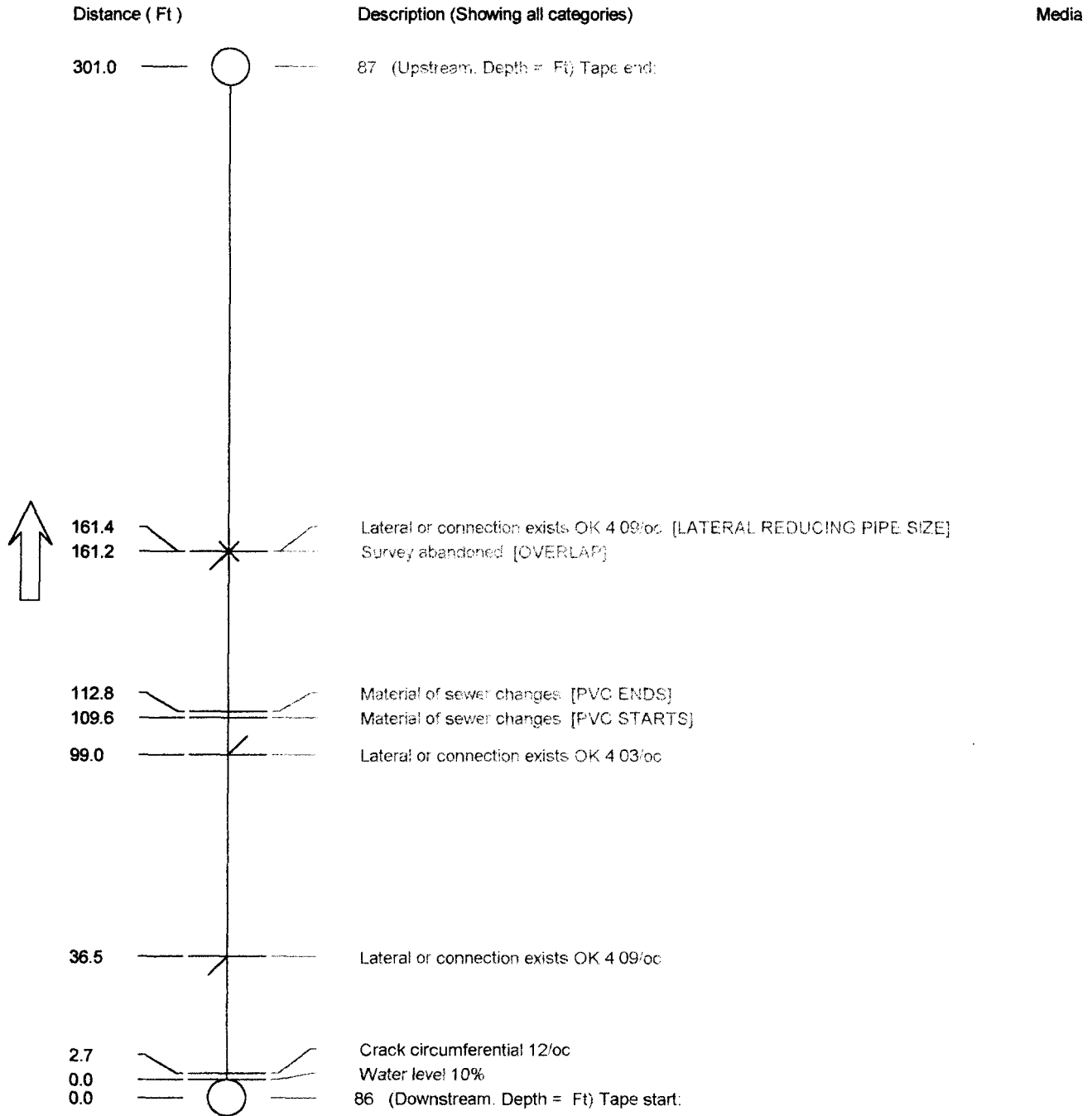
<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/17/2004	<b>Sheet</b> 87
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 2ND ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 275.0 Ft	<b>From</b> 68	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 67	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 86 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Flow condition</b>
<b>Location note</b>				



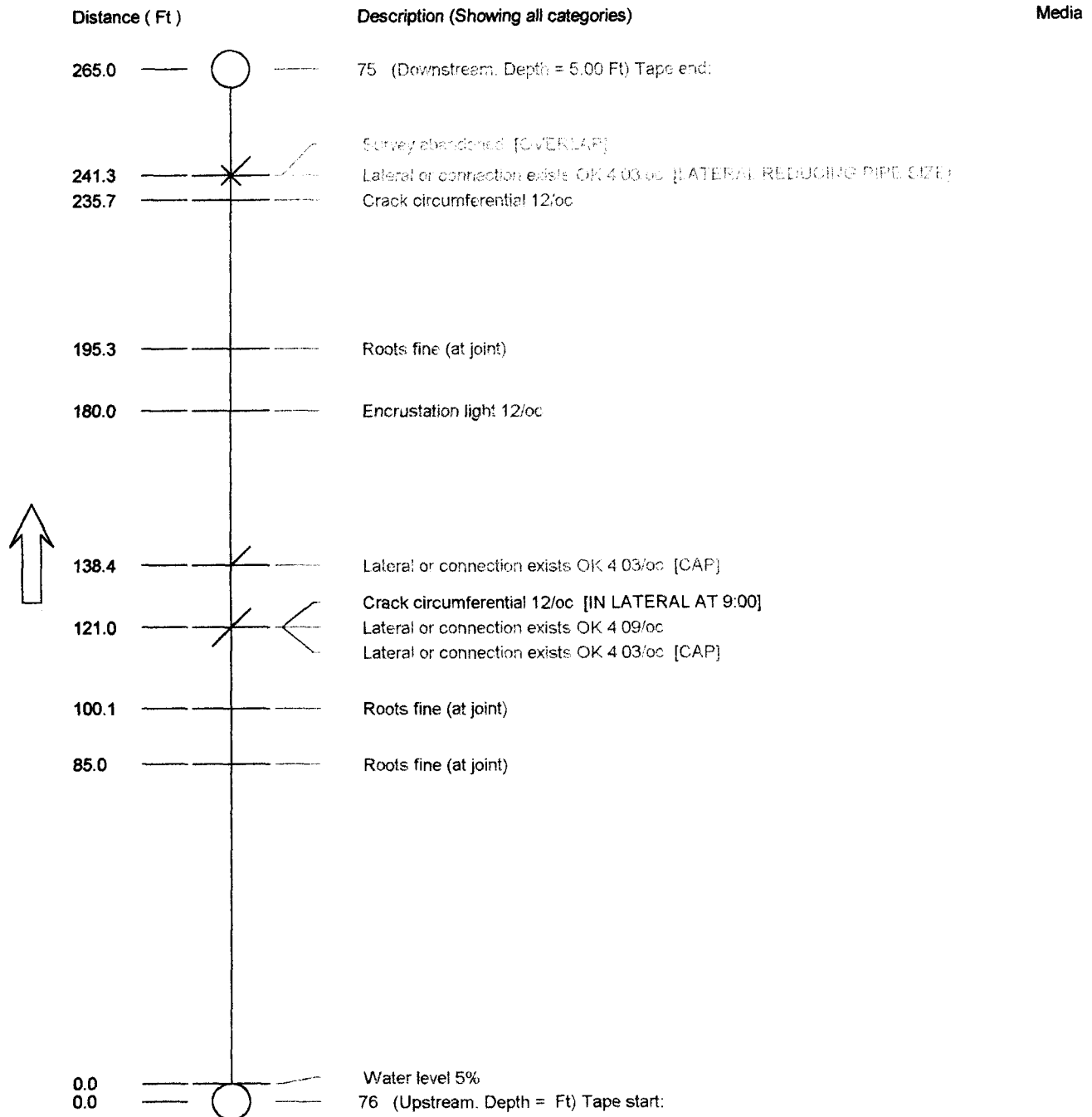
<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 88
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 229.2 Ft	<b>From</b> 73	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 72	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Other
<b>Location note</b>		Miscellaneous		



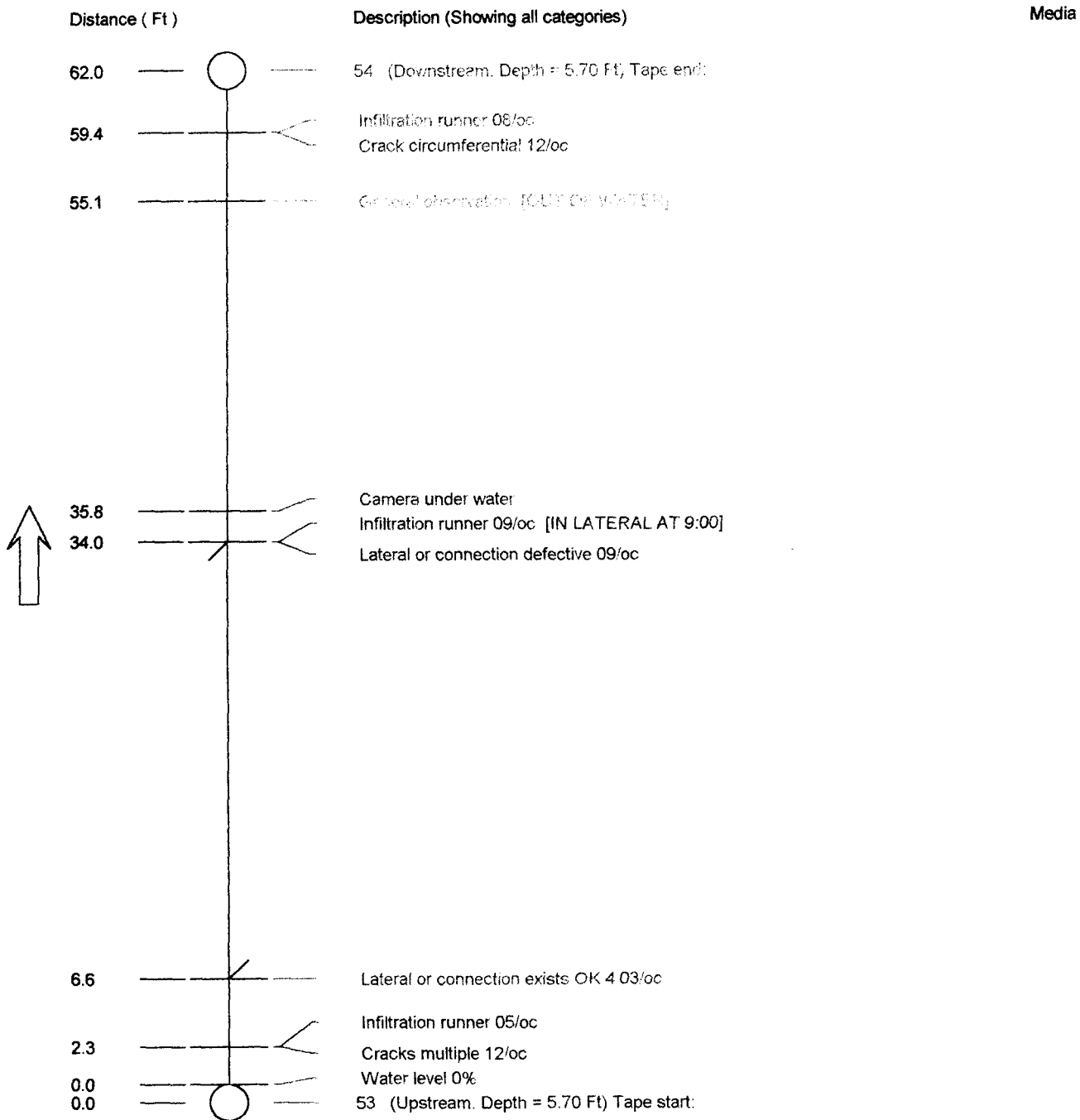
<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 89
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 301.0 Ft	<b>From</b> 86	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 87	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 84 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Corrosion/condition</b>
<b>Location note</b>				



<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 90
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 265.0 Ft	<b>From</b> 76	<b>Depth</b> Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 75	<b>Depth</b> 5.00 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 79 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>				

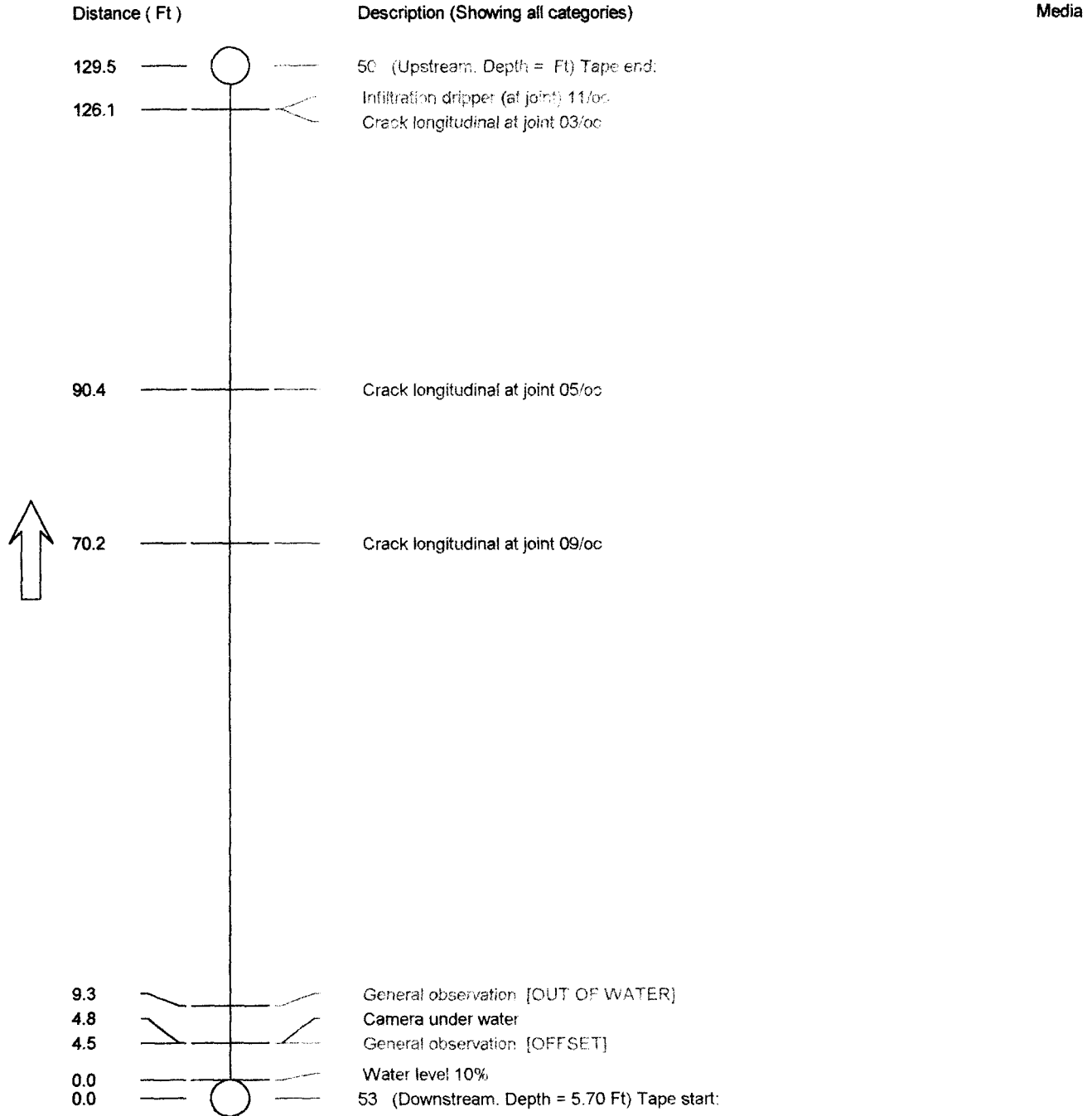


<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 11	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 91
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 62.0 Ft	<b>From</b> 53	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 54	<b>Depth</b> 5.70 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>		Structural	Service	Condition
<b>Location note</b>		Material	Location	

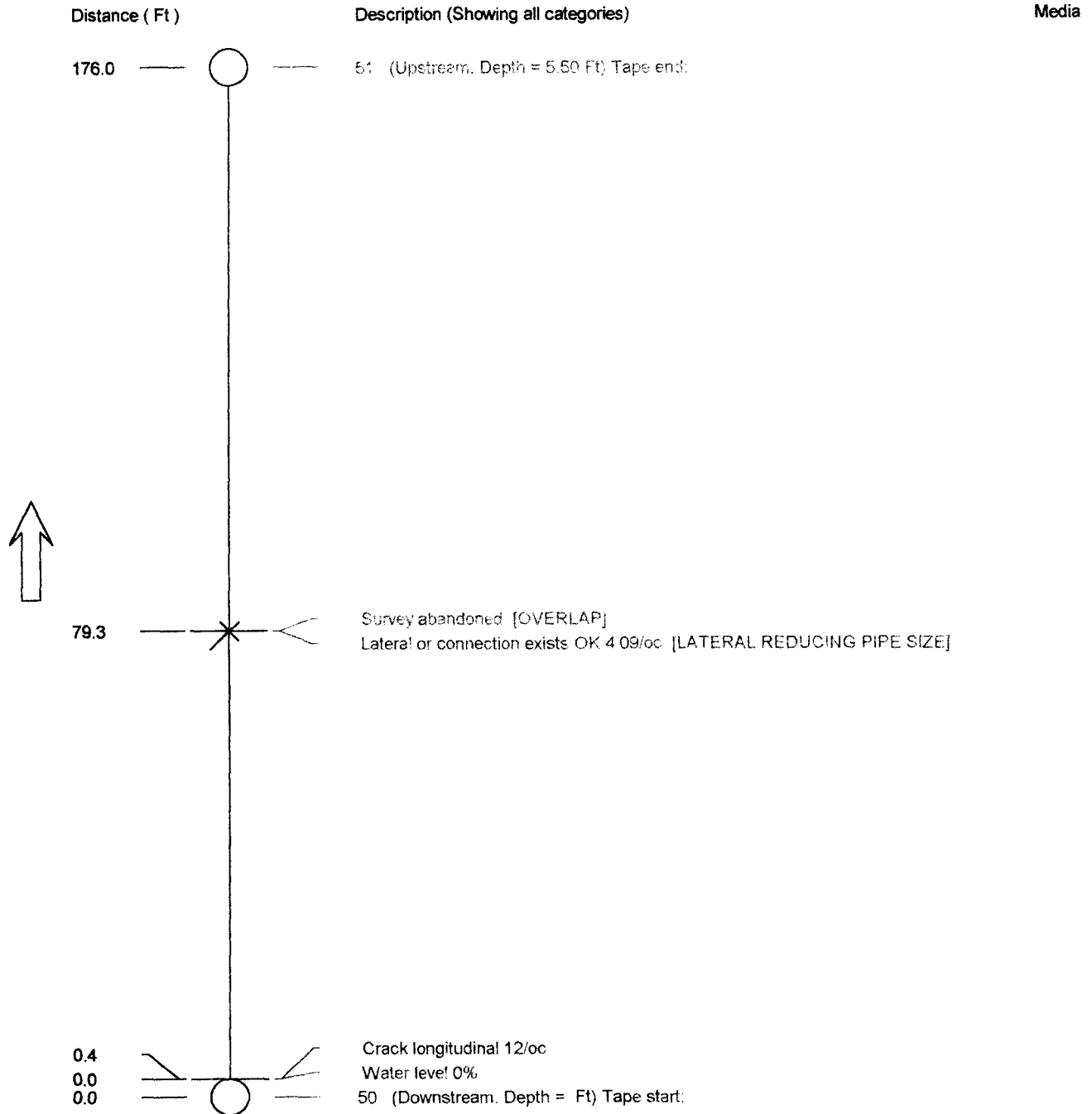




<b>Job</b>	<b>Contract</b>	<b>Cassette 11</b>	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 92
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 129.5 Ft	<b>From</b> 53	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 50	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>	Structural		Service	Condu. / Int. /
<b>Location note</b>	Main line		Access	Notes



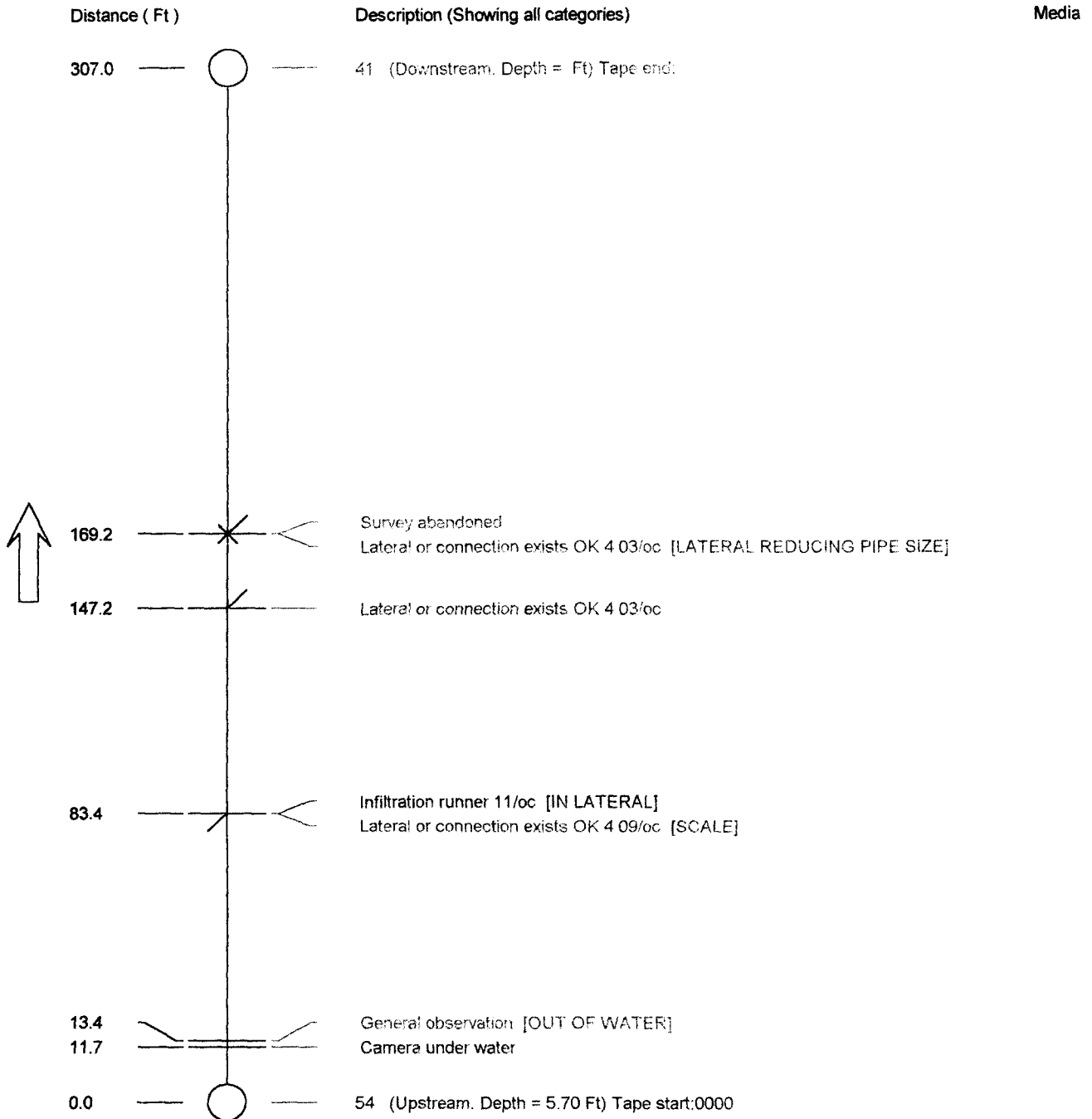
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 11	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 93
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 8TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 176.0 Ft	<b>From</b> 50	<b>Depth</b> Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 51	<b>Depth</b> 5.50 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 57 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>				



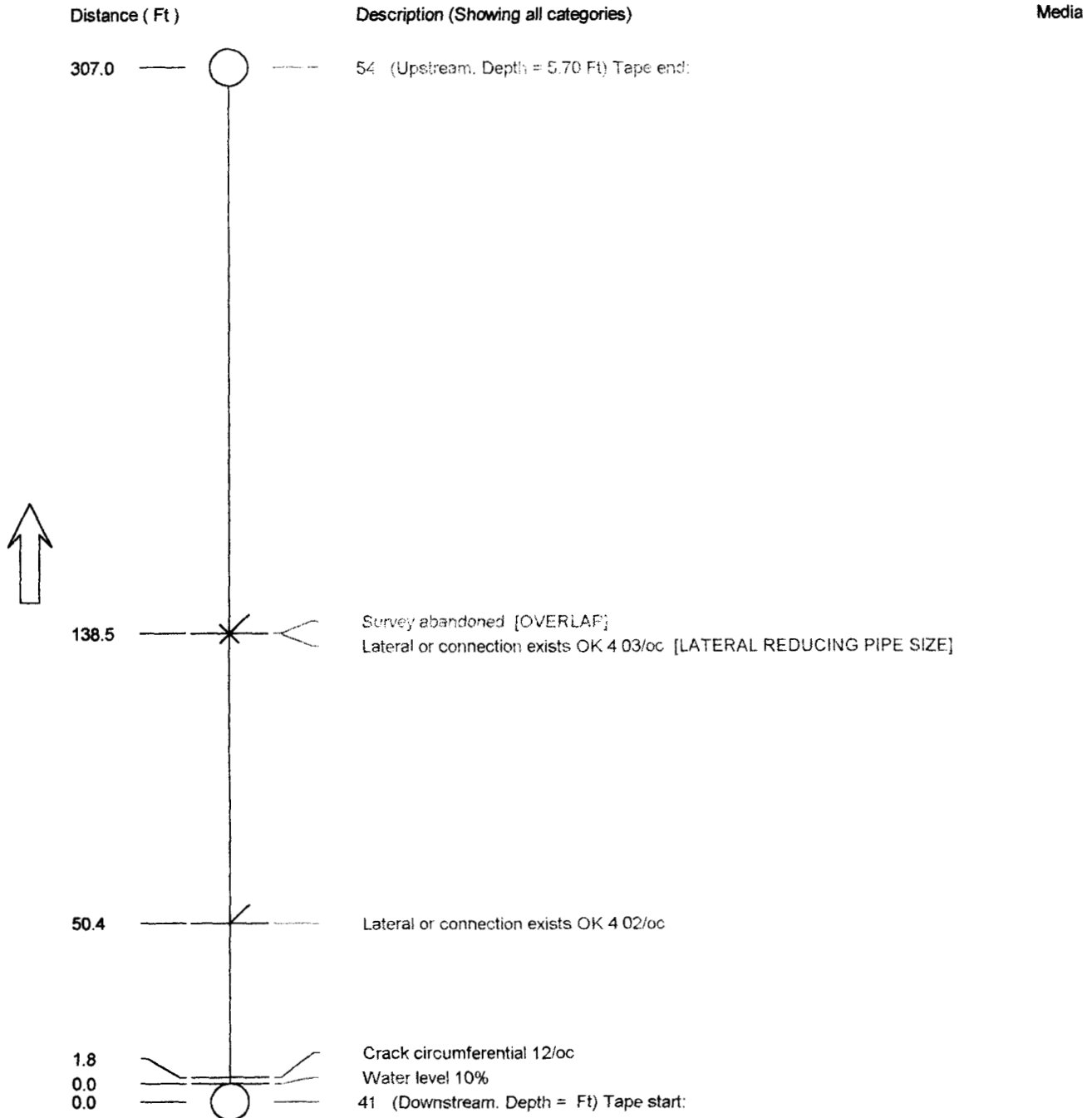
Pipe Graphic Report of PLR 54 X

for MID-COUNTY SERVICES, INC

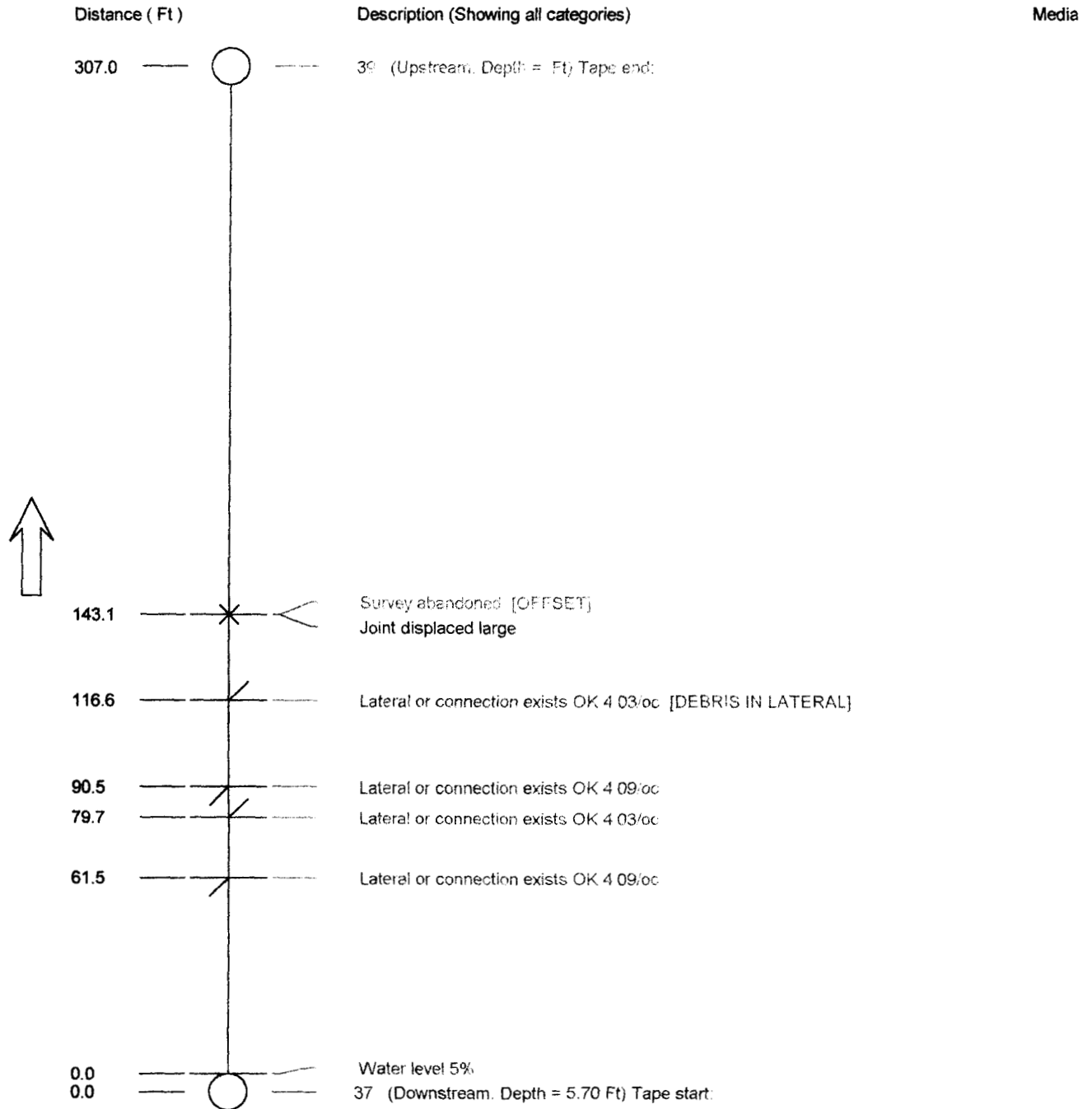
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 11	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 94
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 307.0 Ft	<b>From</b> 54	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 41	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 95 FOR REVERSE SETUP			<b>Structural</b>	<b>Service</b>
<b>Location note</b>			<b>Material</b>	<b>Construction</b>



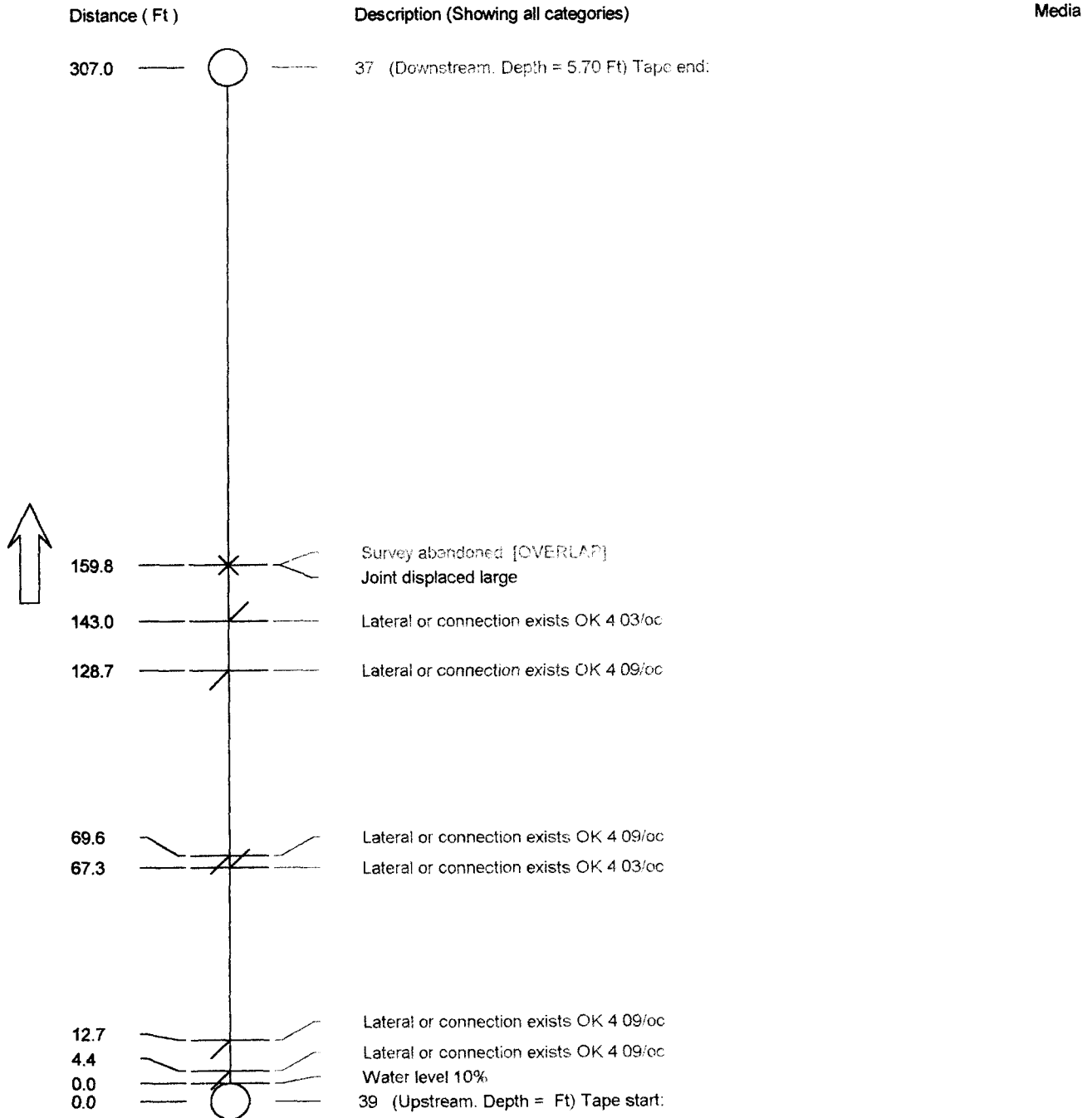
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 12	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 95
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 307.0 Ft	<b>From</b> 41	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 54	<b>Depth</b>	5.70 Ft
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 94 FOR REVERSE SETUP			<b>Structural</b>	<b>Service</b>
<b>Location note</b>			<b>Material</b>	<b>Construction</b>



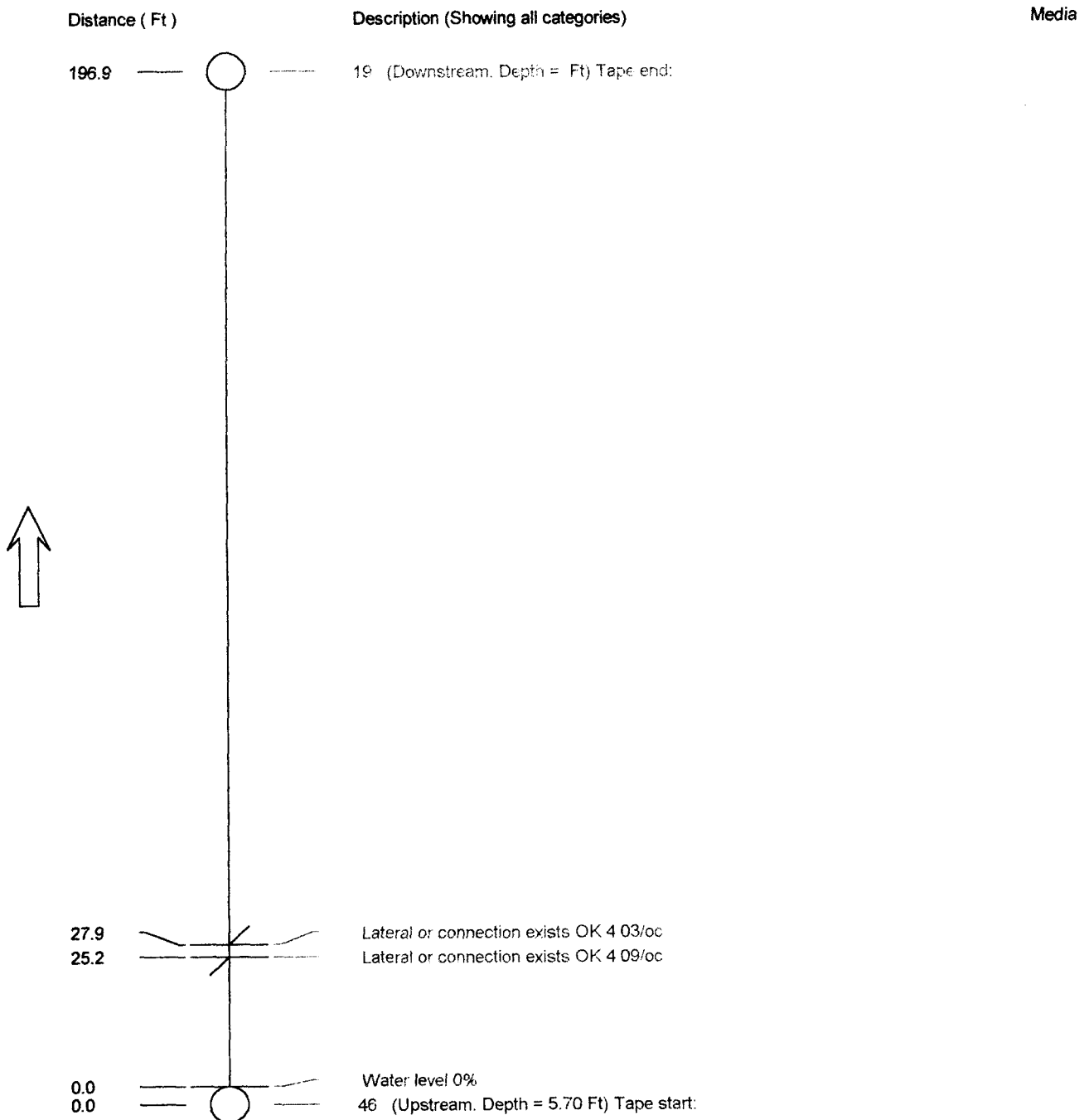
<b>Job</b>	<b>Contract</b>	<b>Cassette 12</b>	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 96
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 307.0 Ft	<b>From</b> 37	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 39	<b>Depth</b> Ft	
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 97 FOR REVERSE SETUP		<b>Structural</b>	<b>Set loc</b>	<b>Change file</b>
<b>Location note</b>		<b>Installation</b>		



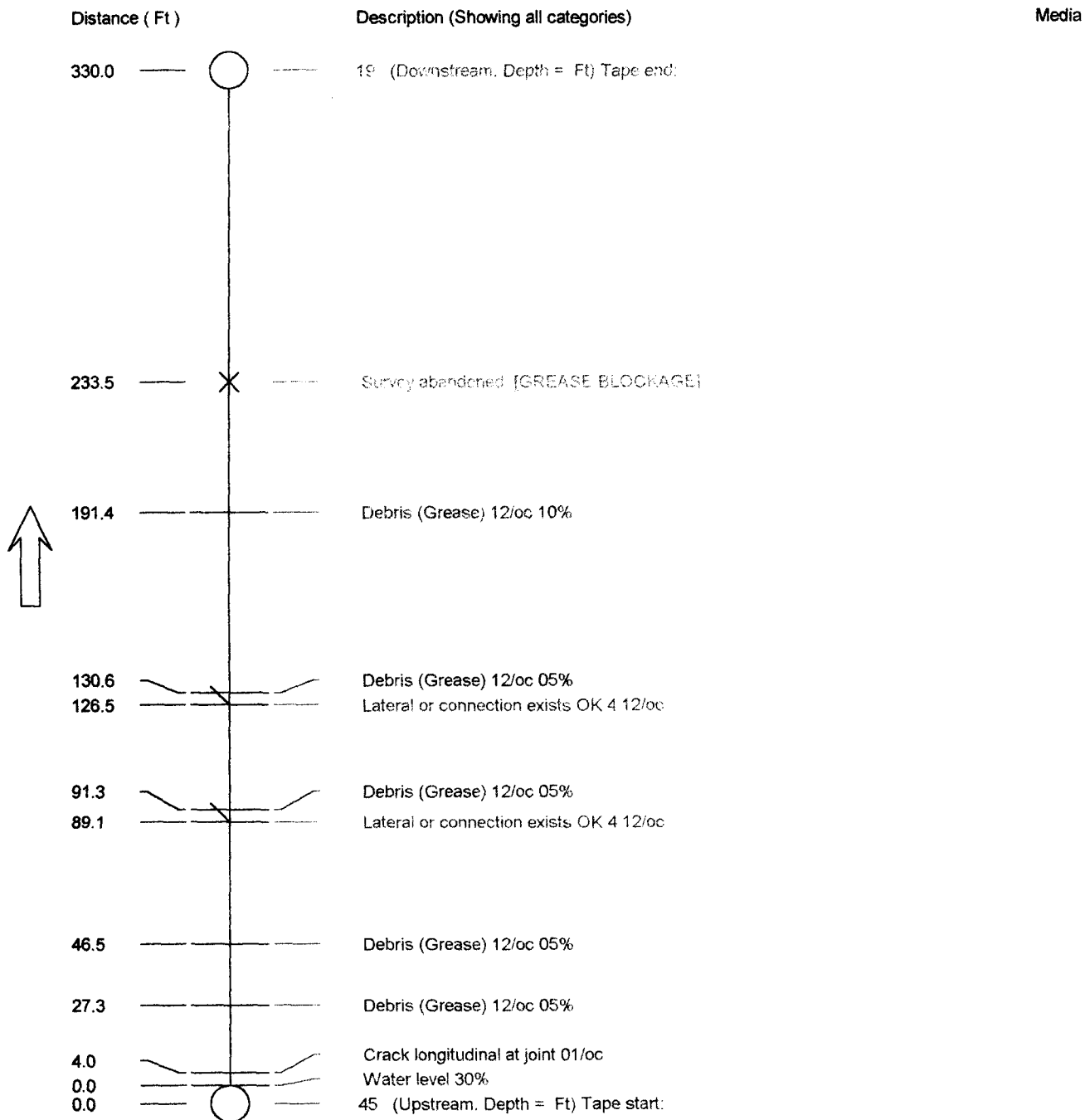
<b>Job</b>	<b>Contract</b>	<b>Cassette 12</b>	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 97
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE N		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 307.0 Ft	<b>From</b> 39	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 37	<b>Depth</b>	5.70 Ft
<b>Material</b> Polyvinyl chloride	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 96 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Condition</b>
<b>Location note</b>				



<b>Job</b>	<b>Contract</b>	<b>Cassette 12</b>	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 98
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 6TH ST		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 196.9 Ft	<b>From</b> 46	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 19	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 53		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Microfilm report</b>		

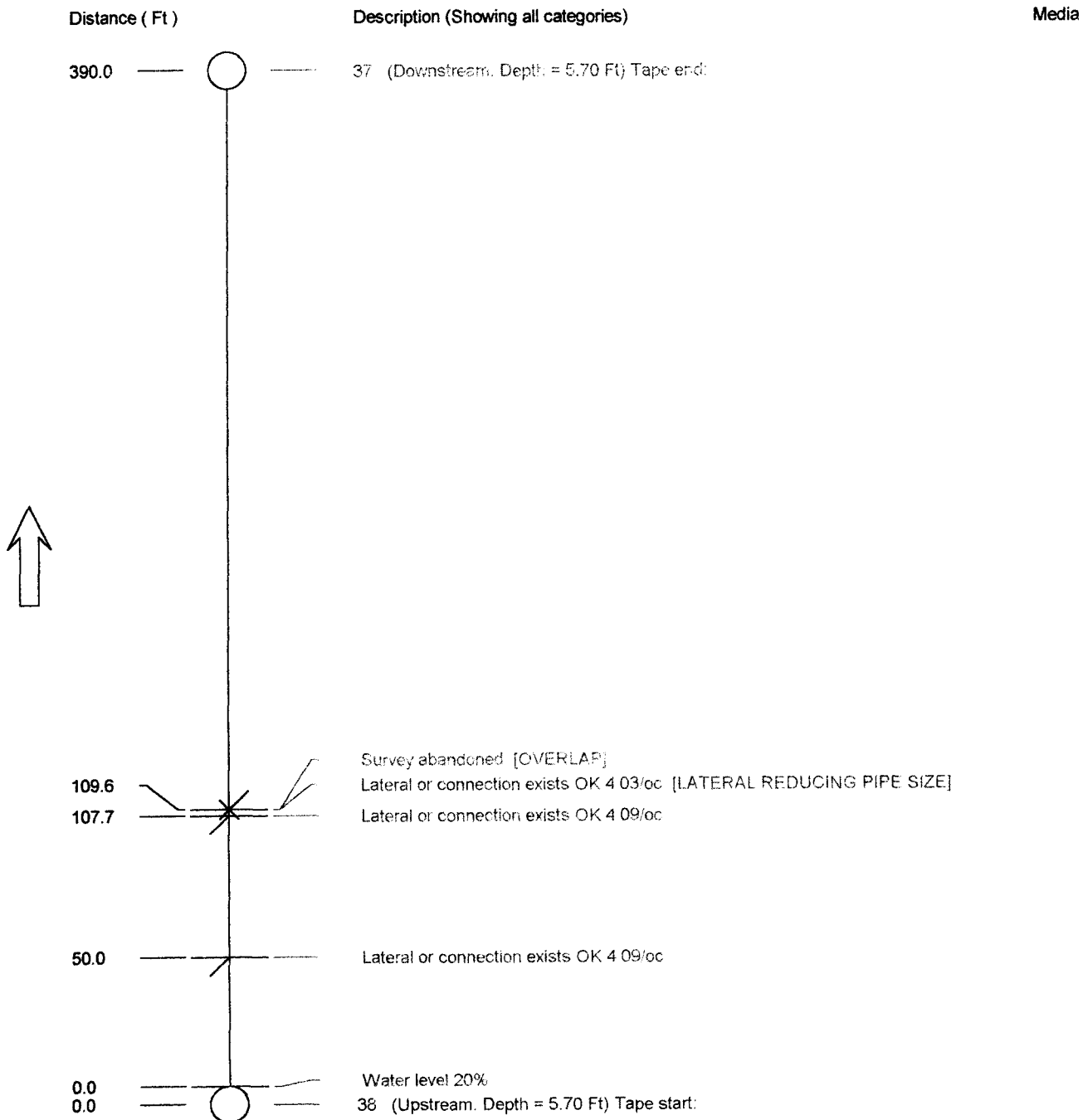


<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 12	<b>Surveyed On</b> 08/18/2004	<b>Sheet</b> 99
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 330.0 Ft	<b>From</b> 45	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 19	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 102		<b>Structural</b>	<b>Service</b>	<b>Constructional</b>
<b>Location note</b>		<b>Material</b>	<b>Media</b>	

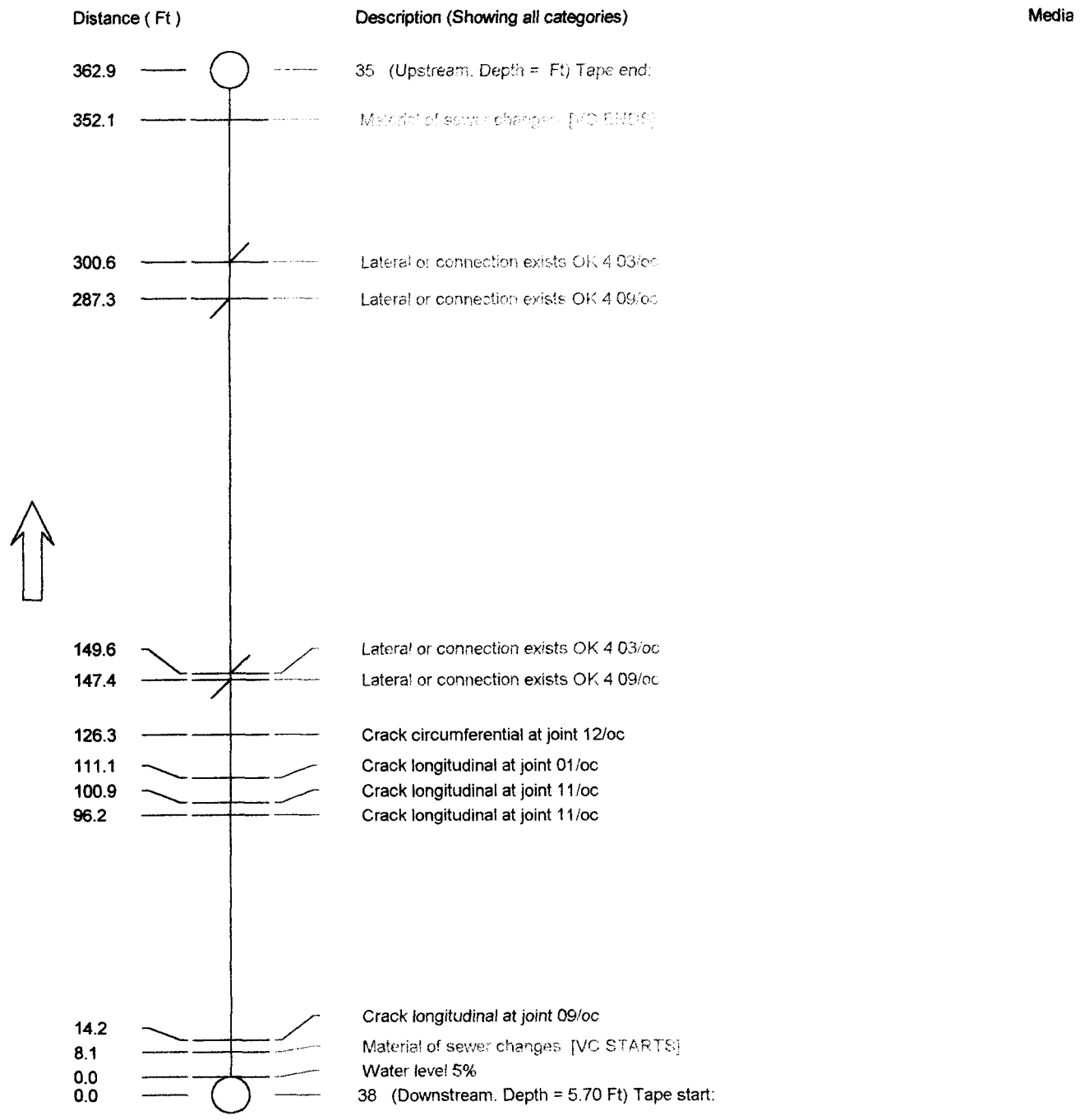




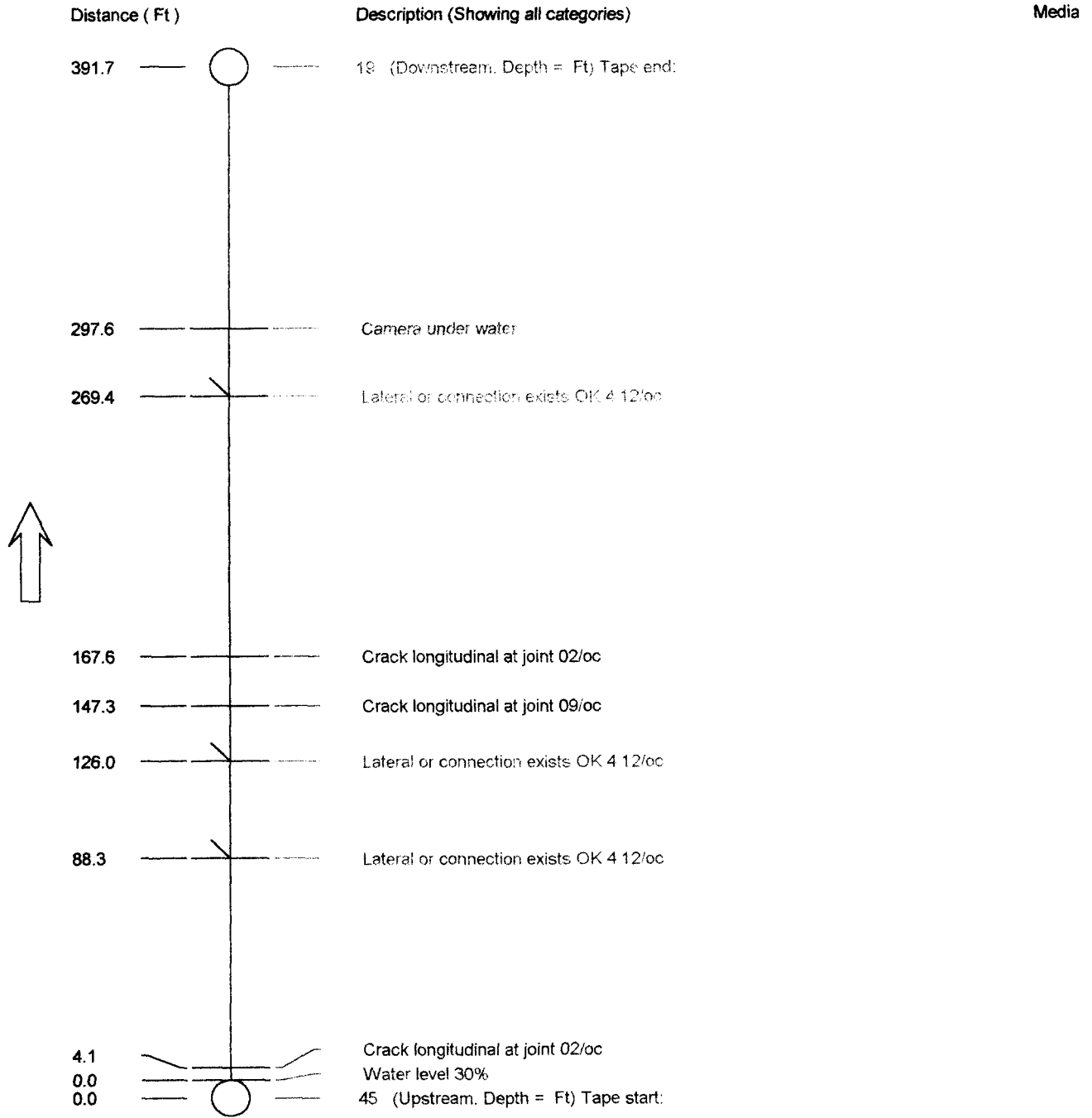
<b>Job</b>	<b>Contract</b>	<b>Cassette 12</b>	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 100
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 4TH ST.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 390.0 Ft	<b>From</b> 38	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 37	<b>Depth</b> 5.70 Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 40 FOR REVERSE SETUP		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Material</b>	<b>Age</b>	



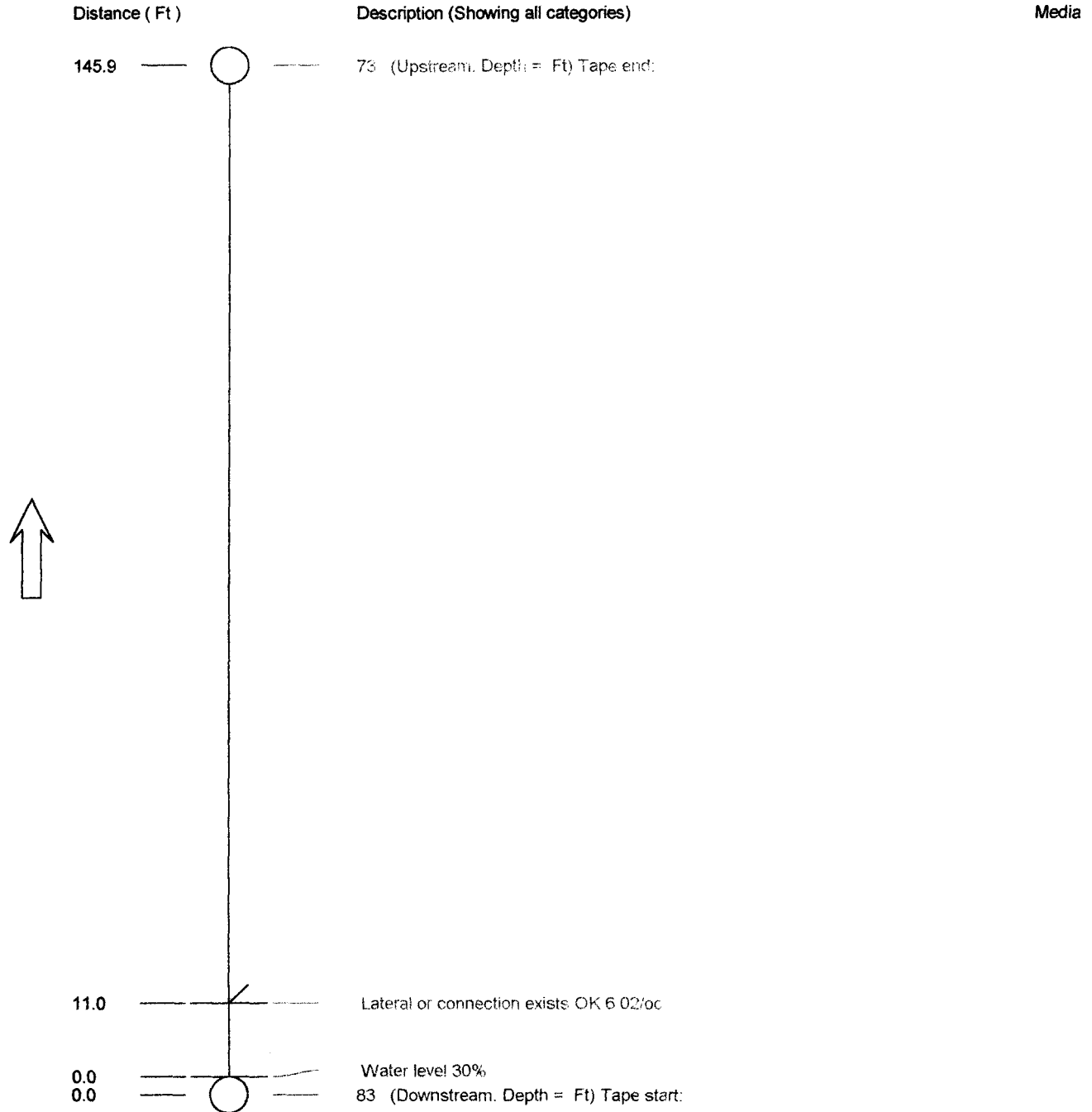
<b>Job</b>	<b>Contract</b>	<b>Cassette 12</b>	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 101
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 7TH AVE. N.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 362.9 Ft	<b>From</b> 38	<b>Depth</b> 5.70 Ft	
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 35	<b>Depth</b> Ft	
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b> Resin	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> VIDEO ALSO IN REVERSE		Structural	Service	Condition
<b>Location note</b>		Material	Flow	



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 12	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 102
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MONTE CRISTO		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 391.7 Ft	<b>From</b> 45	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 19	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> SEE SHEET 99/ VIDEO ALSO IN REVERSE		<b>Structural</b>	<b>Service</b>	<b>Crack/defect</b>
<b>Location note</b> AFTER REJET		Minor longitudinal	Light	



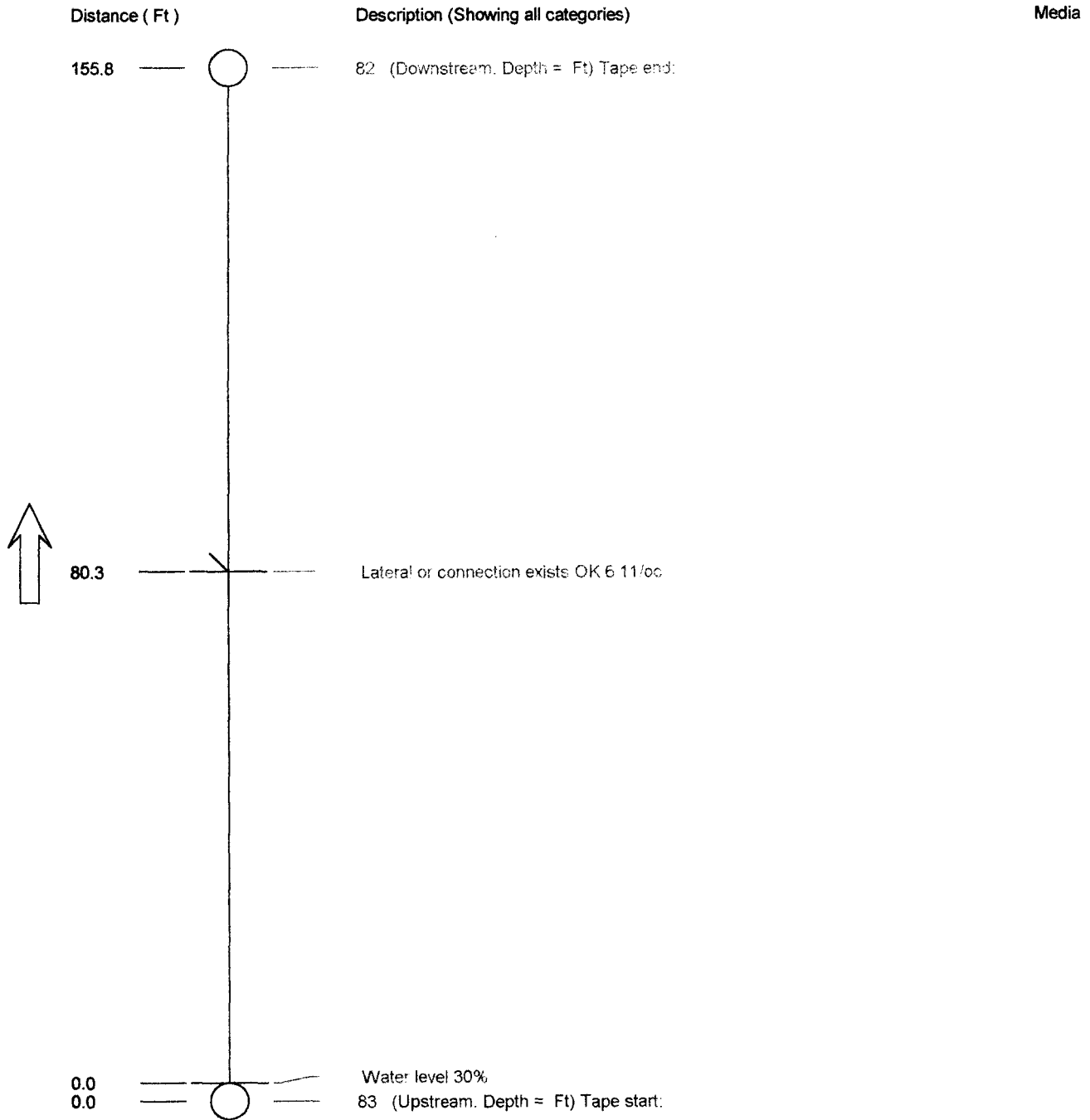
<b>Job</b> Operator BMN	<b>Contract</b> Van Reference	<b>Cassette</b> 13	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 103
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 145.9 Ft	<b>From</b> 83	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by ins	<b>To</b> 73	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> VIDEO ALSO IN REVERSE/HEAVY FLOW FEOM FORCE MAIN		<b>Structure:</b>	<b>Service:</b>	<b>General note:</b>
<b>Location note</b> HARD DEBRIS AT MH 73		<b>Structure:</b>	<b>Service:</b>	<b>General note:</b>



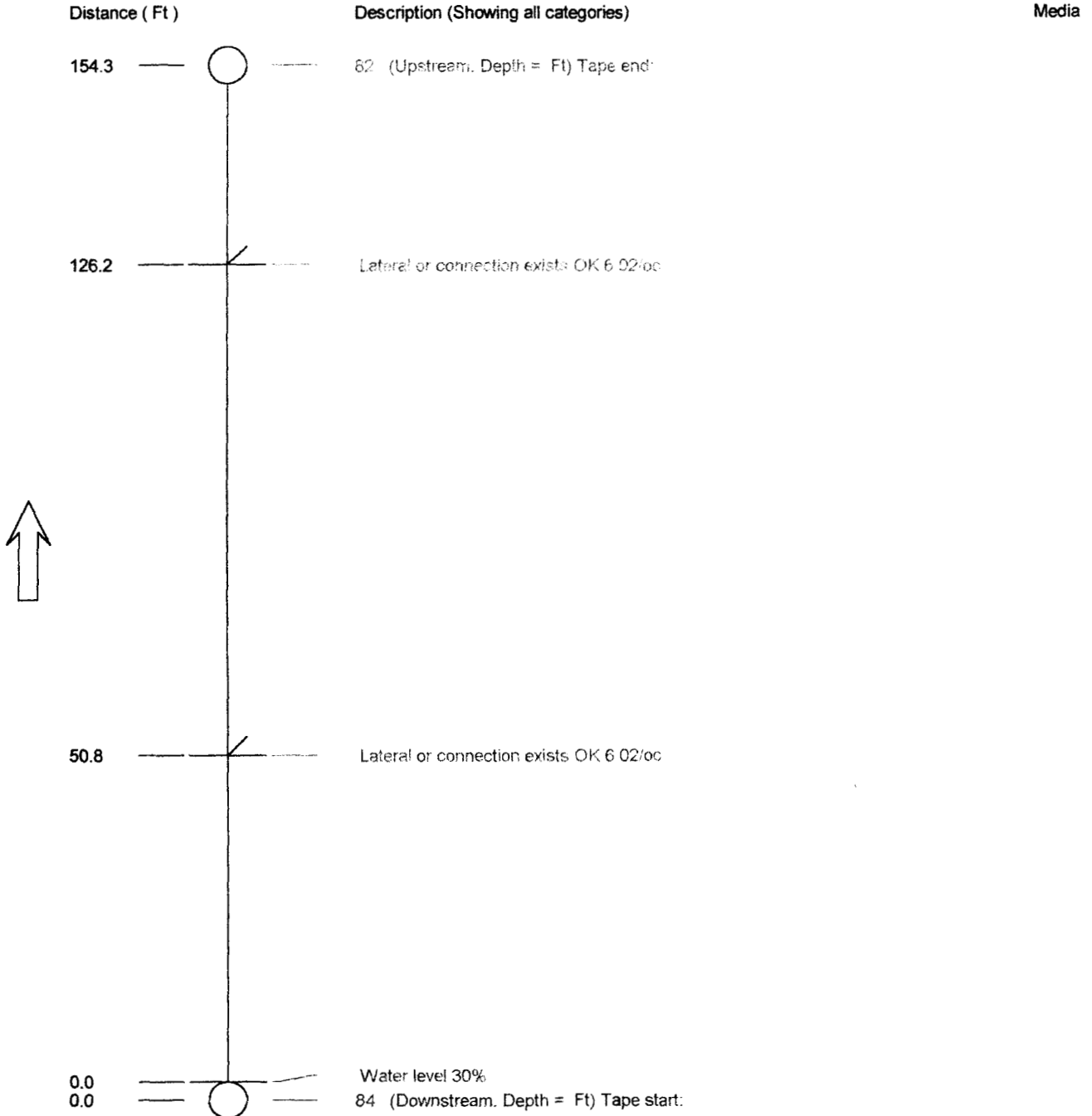
Pipe Graphic Report of PLR 83 X

for MID-COUNTY SERVICES, INC.

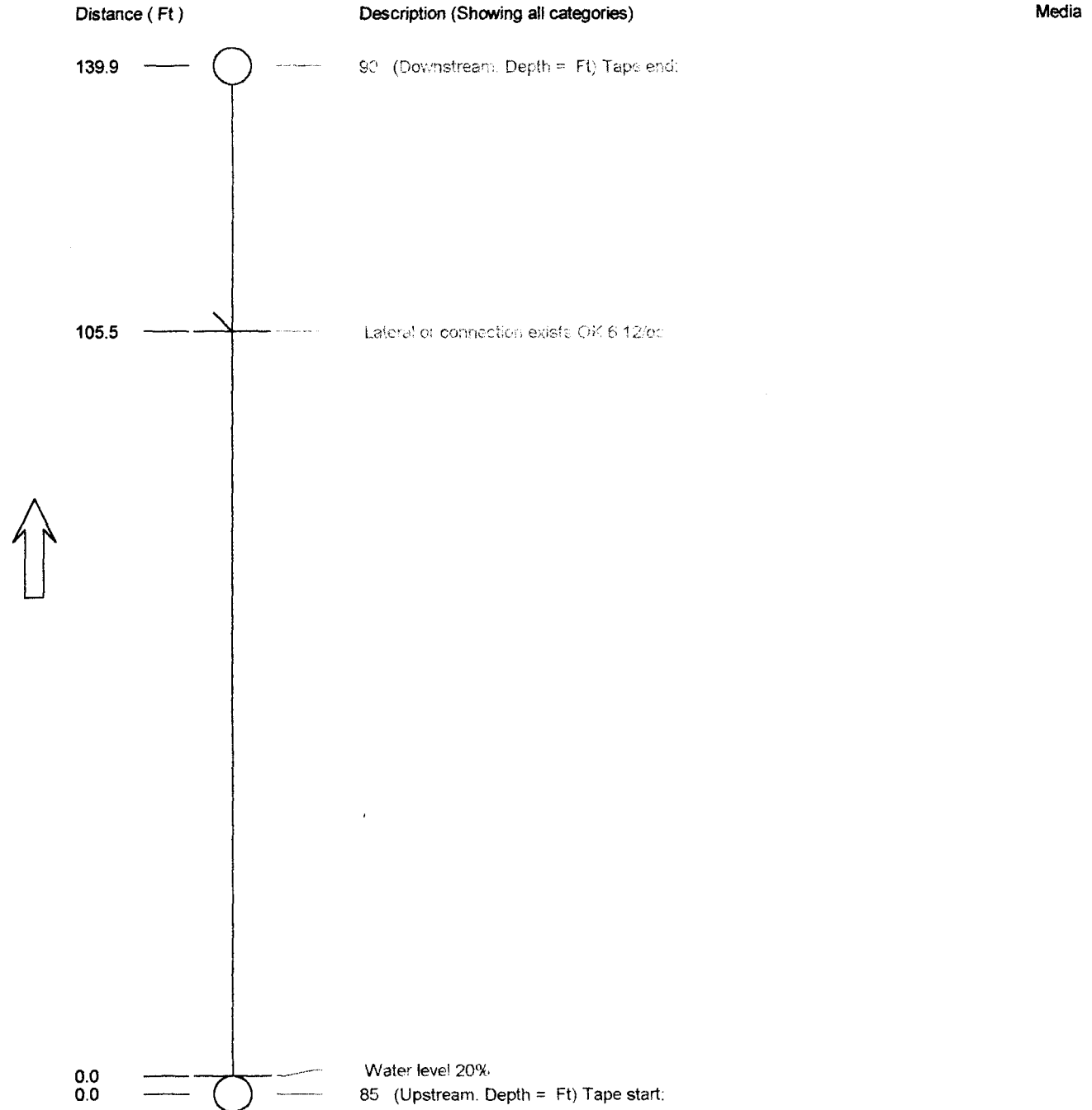
<b>Job</b>	<b>Contract</b>	<b>Cassette 13</b>	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 104
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 155.8 Ft	<b>From</b> 83	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by ins	<b>To</b> 82	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> VIDEO ALSO IN REVERSE			<b>Structural</b>	<b>Service</b>
<b>Location note</b> HEAVY FLOW FROM FRRCE MAIN			<b>Miscellaneous</b>	



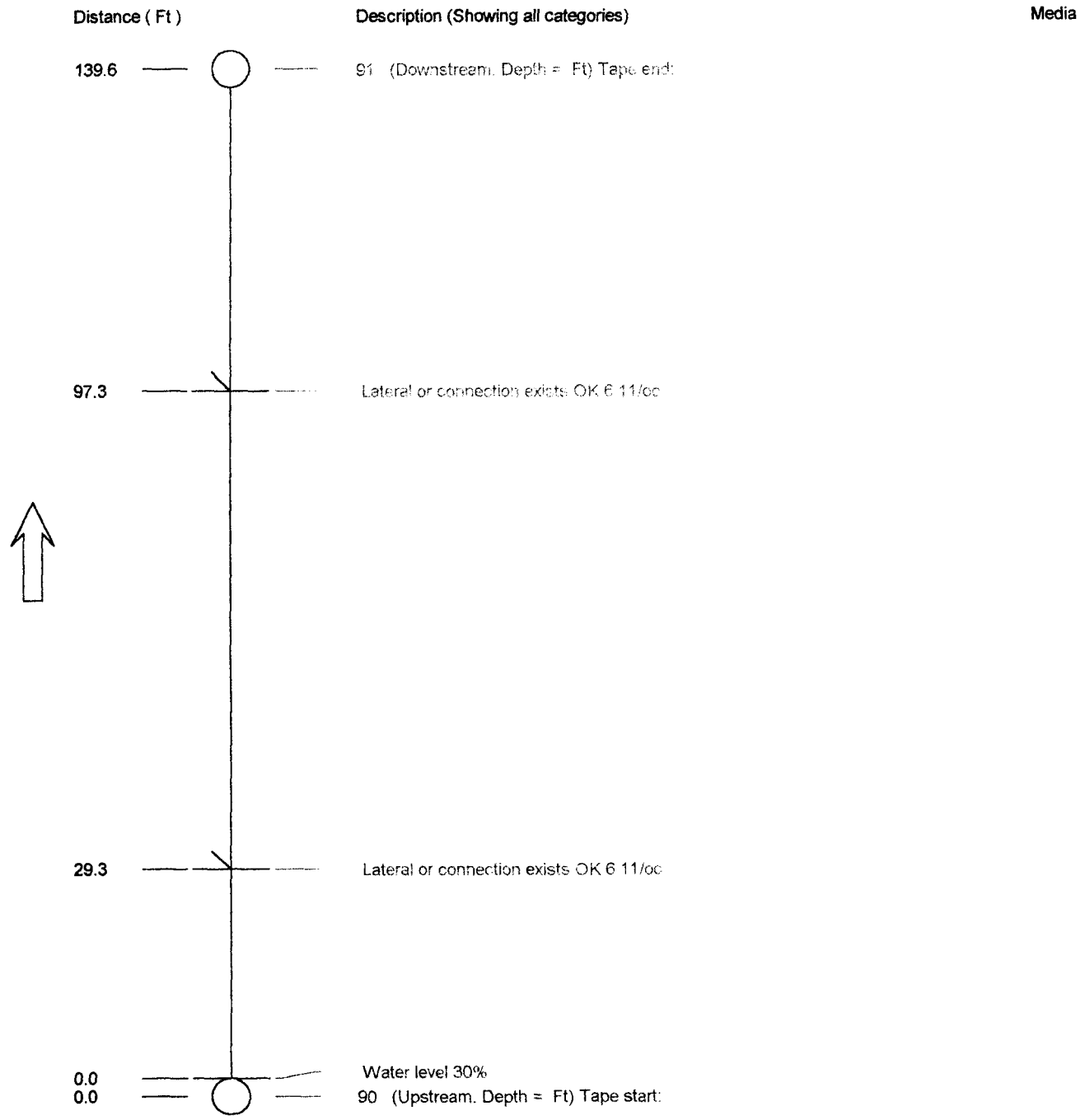
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 105
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 154.3 Ft	<b>From</b> 84	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by ins	<b>To</b> 82	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Up		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> VIDEO OLSO IN REVERSE		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b> HEAVY FLOW FROM FORCE MAIN				



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 106
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 139.9 Ft	<b>From</b> 85	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by Ins	<b>To</b> 90	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		Structural	Service	Conductivity
<b>Location note</b> HEAVY FLOW FROM FORCE MAIN		0.0	0.0	

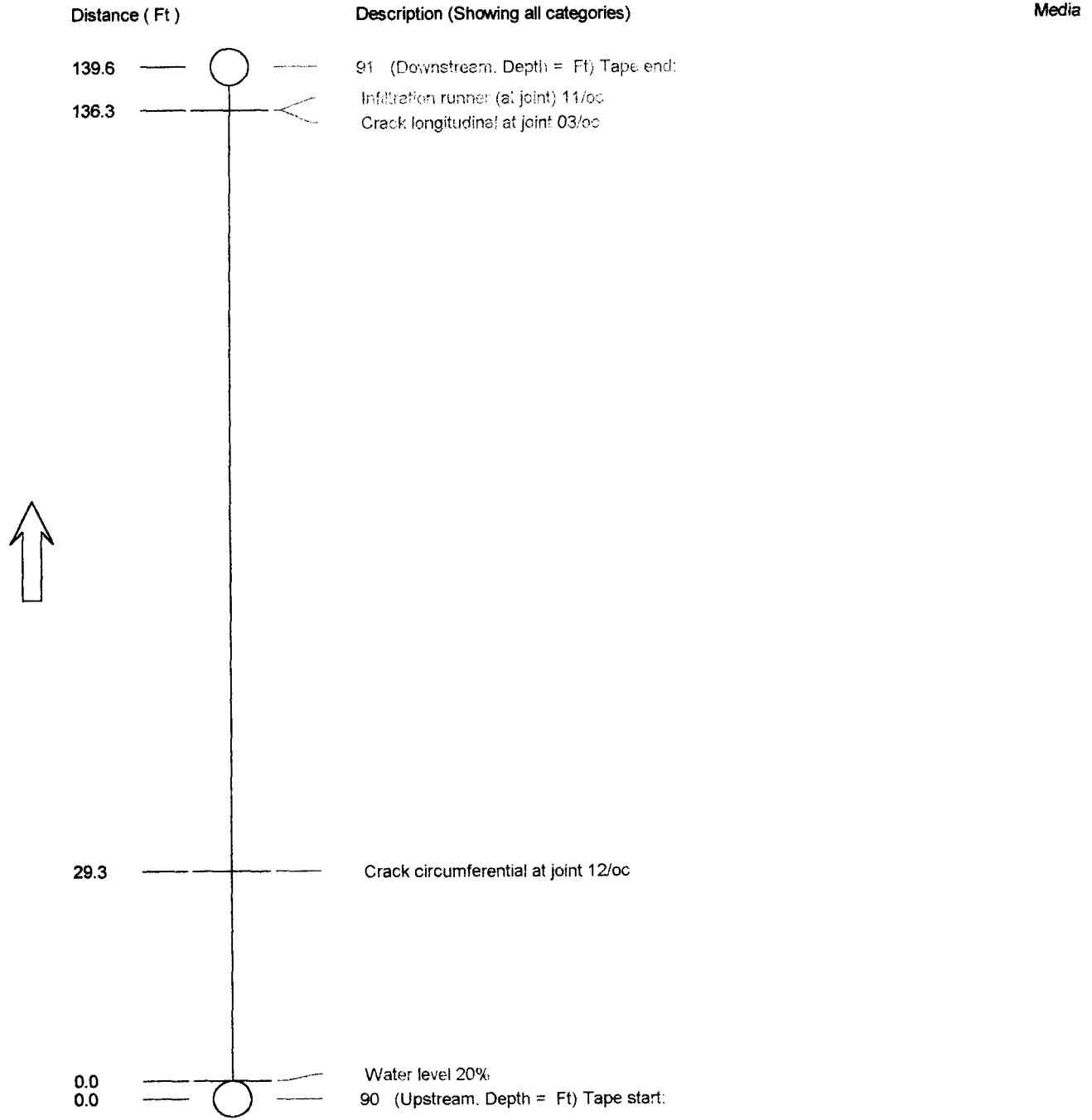


<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 107
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 139.6 Ft	<b>From</b> 90	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by ins	<b>To</b> 91	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>		Structural	Service	Operational
<b>Location note</b> HEAVY FLOW FROM FORCE MAIN		Major	Minor	None

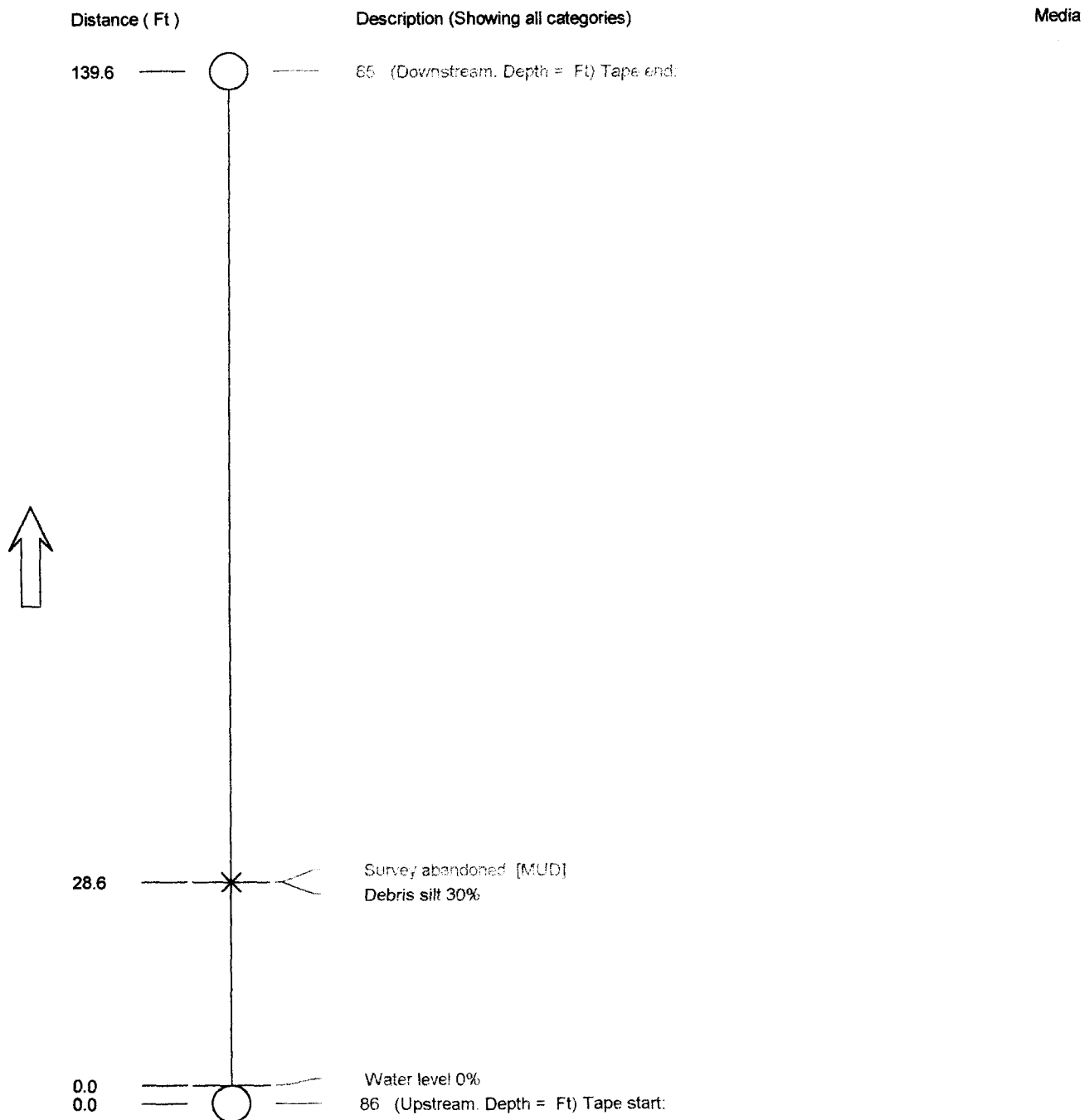




<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 108
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 139.6 Ft	<b>From</b> 90	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by ins	<b>To</b> 91	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b>		<b>Structural</b>	<b>Service</b>	<b>Compliance</b>
<b>Location note</b> HEAVY FLOW FROM FORCE MAIN				



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/19/2004	<b>Sheet</b> 109
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 139.6 Ft	<b>From</b> 86	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 85	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 113		<b>Structural</b>	<b>Service</b>	<b>Confidence</b>
<b>Location note</b>				

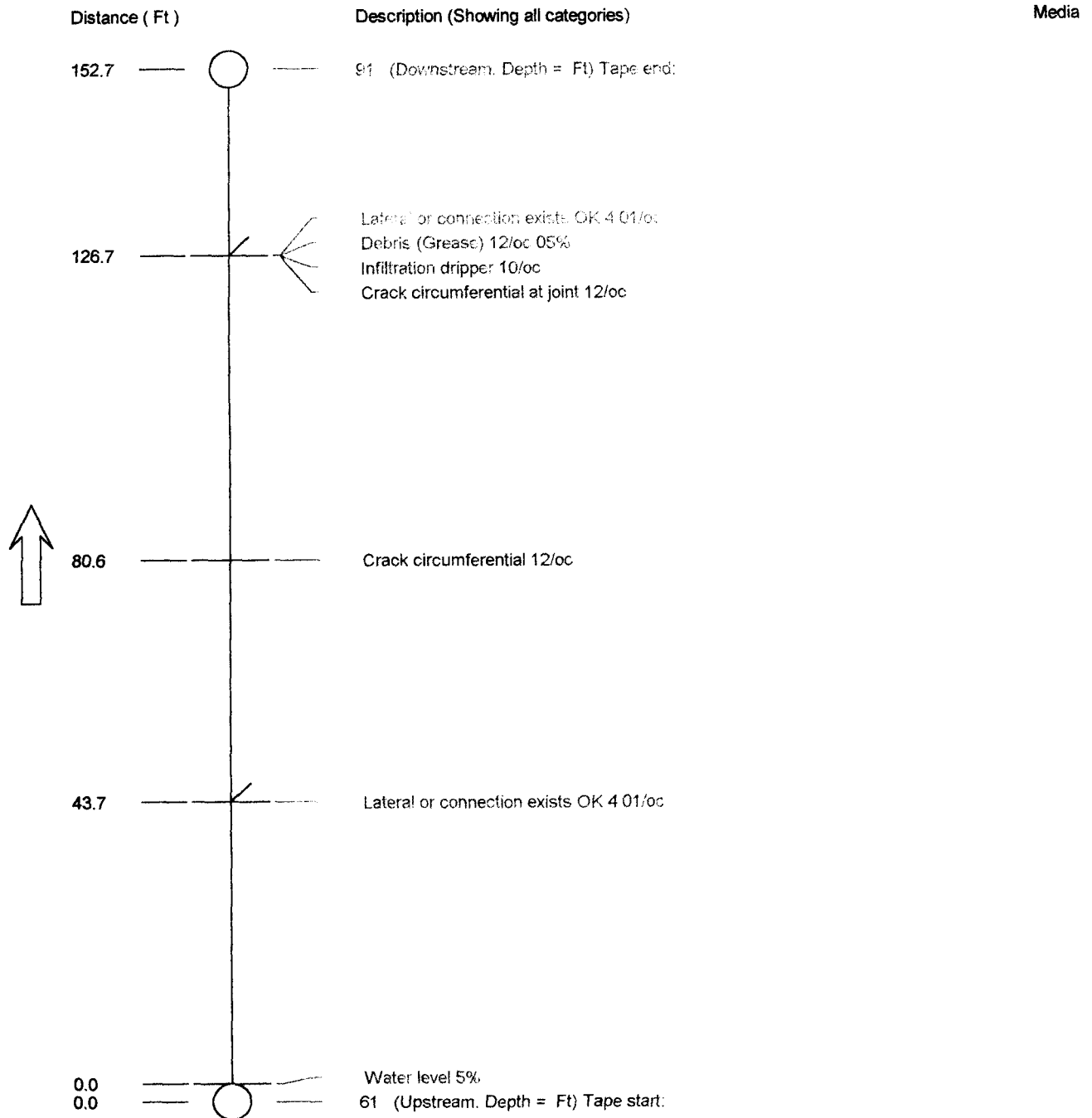




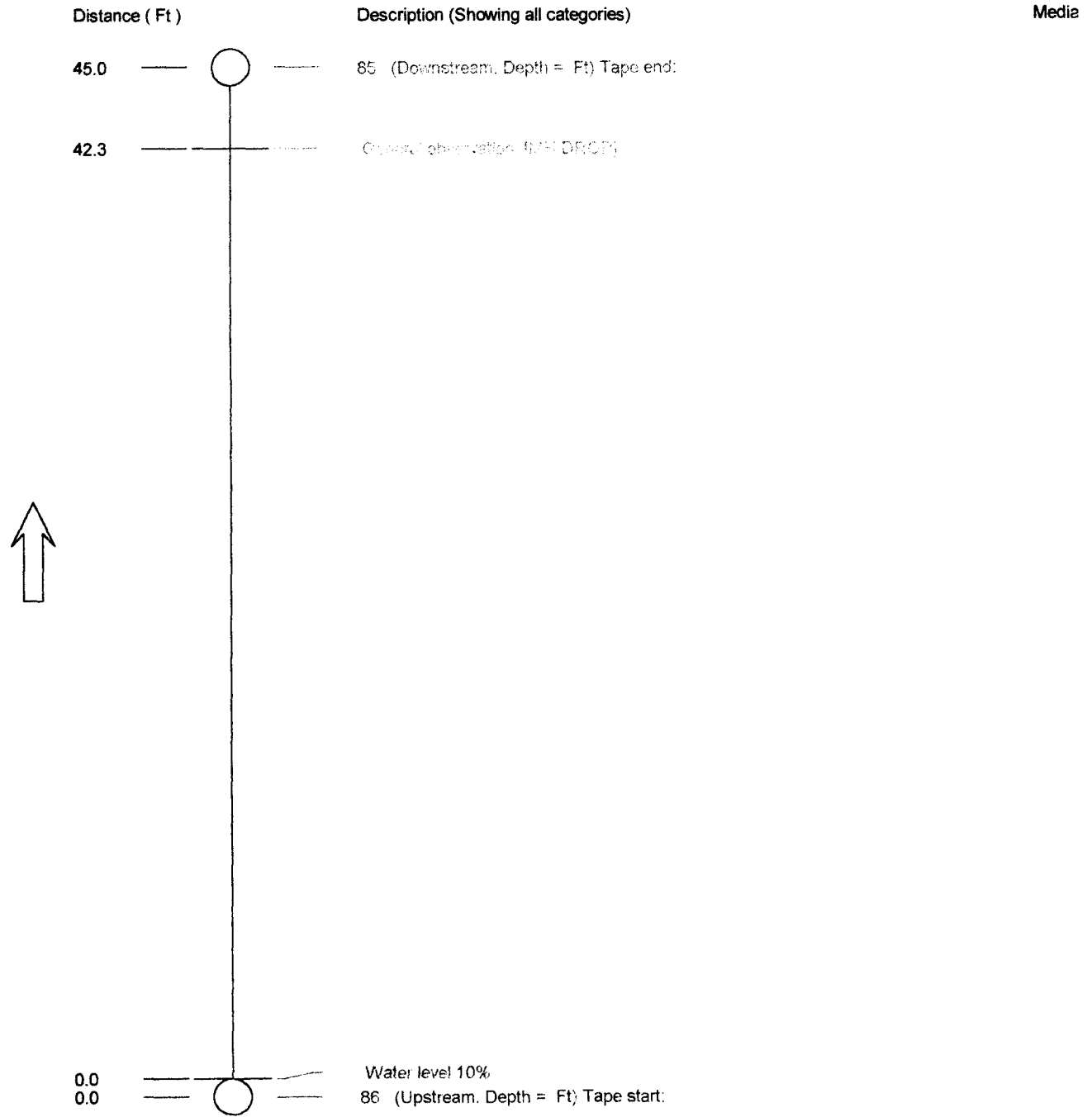
Pipe Graphic Report of PLR 61 X

for MID-COUNTY SERVICES, INC.

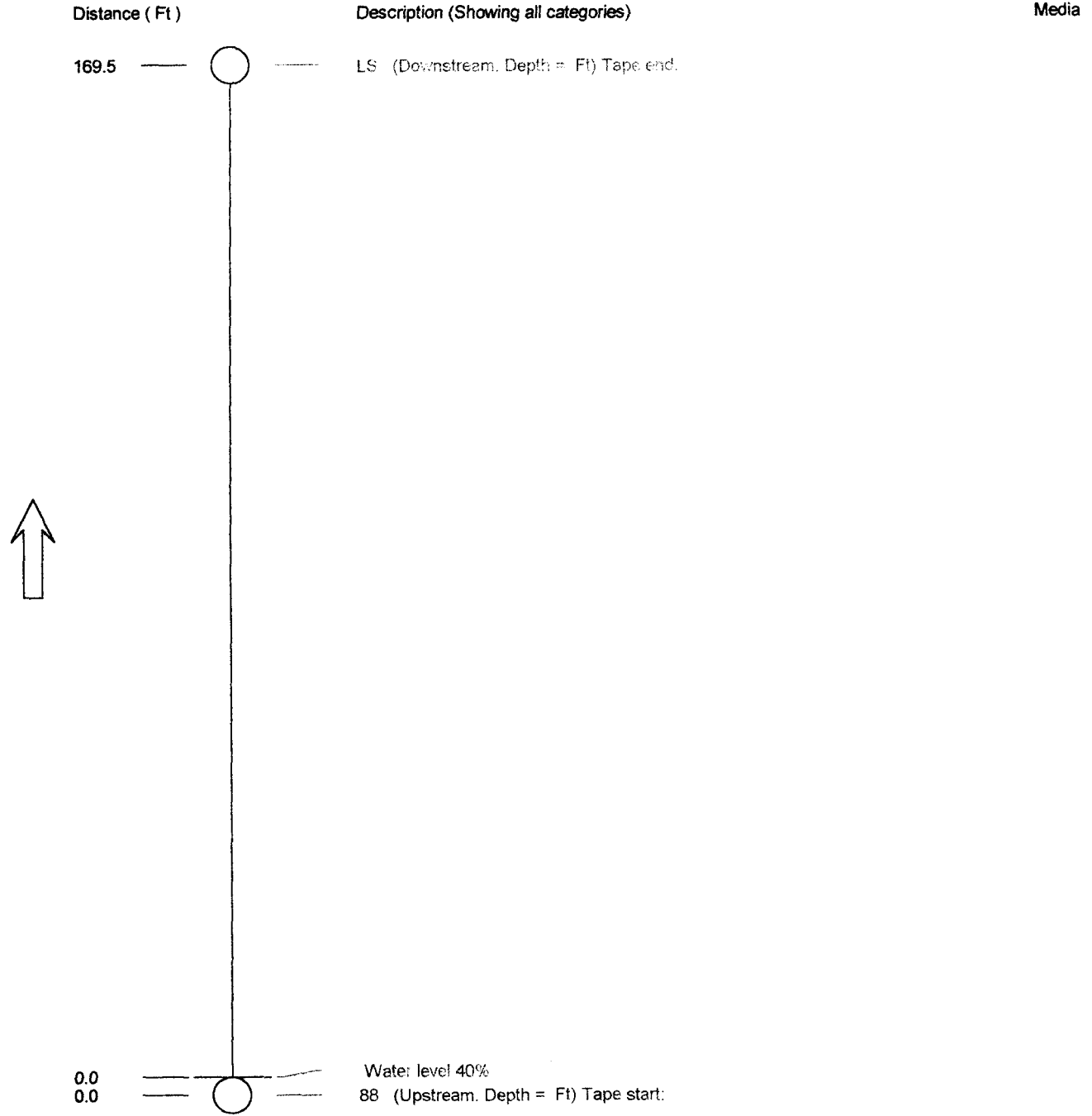
<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/20/2004	<b>Sheet</b> 111
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 1ST AVE. N.		<b>Place Name</b> TIERA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 152.7 Ft	<b>From</b> 61	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by ins	<b>To</b> 91	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b>	Structural		Service	Construction
<b>Location note</b>	Direction		Flow	



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/20/2004	<b>Sheet</b> 112
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> 3RD ST. W.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 45.0 Ft	<b>From</b> 86	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 8 by Ins	<b>To</b> 85	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b> Cat A	<b>Pre-clean</b> Y	<b>Last cleaned</b>	
<b>General note</b> SEE SHEET 109/AFTER REJET		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b>		<b>Material</b>	<b>Condition</b>	<b>Notes</b>



<b>Job</b>	<b>Contract</b>	<b>Cassette 13</b>	<b>Surveyed On</b> 08/20/2004	<b>Sheet</b> 113
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 169.5 Ft	<b>From</b> 88	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by ins	<b>To</b> LS	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> HEAVY FLOW		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b> VIDEO ALSO IN REVERSE		<b>Material</b>	<b>Condition</b>	<b>Notes</b>



<b>Job</b>	<b>Contract</b>	<b>Cassette</b> 13	<b>Surveyed On</b> 08/20/2004	<b>Sheet</b> 114
<b>Operator</b> BMN	<b>Van Reference</b>	<b>Weather</b> Dry		
<b>Road Name</b> MADONNA BLVD.		<b>Place Name</b> TIERRA VERDE		
<b>Location type</b> Light road (rural roads with lighter traffic, town & city back streets)				
<b>Surface</b>				
<b>Survey purpose</b> Sample survey to determine asset condition				
<b>Pipe Use</b> Foul	<b>Schedule length</b> 190.6 Ft	<b>From</b> 91	<b>Depth</b>	<b>Ft</b>
<b>Shape</b> Circular	<b>Size</b> 12 by ins	<b>To</b> 88	<b>Depth</b>	<b>Ft</b>
<b>Material</b> Vitrified clay	<b>Joint spacing</b> Ft	<b>Direction</b> Down		
<b>Lining</b>	<b>Year laid</b>	<b>Cat</b> A	<b>Pre-clean</b> Y	<b>Last cleaned</b>
<b>General note</b> HEAVY FLOW		<b>Structural</b>	<b>Service</b>	<b>Construction</b>
<b>Location note</b> VIDEO ALSO IN REVERSE		<b>Material</b>	<b>Condition</b>	<b>Notes</b>

