



CCTV Inspection Report

**UNIT 2
Saltbox
Shripney Way
Bognor Regis
PO22 9NW**

08/06/2021

Job Number: 433

Drainflow Ltd, 5 Pulloxhill Road, Greenfield, Bedfordshire, MK45 5ES



Job Number
433Surveyed by (Operator)
Luke ClaytonBase Unit
8J5R2AEYKLDate
08/06/2021**Client Details:**

Ad bly Construction Ltd
Nup End Farm
Old Knebworth
Herts
SG3 6QJ.

Site Details:

UNIT 2
Saltbox
Shripney Way
Bognor Regis
PO22 9NW

Contractor Details:

Drainflow Ltd
5 Pulloxhill Road
Greenfield
Bedford
Bedfordshire
MK45 5ES

**Purpose of Survey:**

CCTV SURFACE WATER DRAINAGE UNIT 2

Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
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Job Number
433

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Base Unit
8J5R2AEYKL

Date
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Job Information

Total Distance Surveyed: **396.76 metres**
Engineer: **Luke Clayton**
Number of Surveys: **22**
Number of Surveys grade 4 or above: **0**

Section 1 Overview (08/06/2021)

Manholes: **SW-200 to HICAP CHANNEL**
Pipe Length: **17.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 2 Overview (08/06/2021)

Manholes: **SW-200 to HICAP CHANNEL**
Pipe Length: **0.81 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

BAGGED OFF

Section 3 Overview (08/06/2021)

Manholes: **SW-200 to HICAP CHANNEL**
Pipe Length: **3.21 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 4 Overview (08/06/2021)

Manholes: **SW-200 to SW-201**
Pipe Length: **42.56 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **450mm**
Use: **Surface water**

DRAIN RUN OK

Section 5 Overview (08/06/2021)

Manholes: **SW-201 to SW-201A**
Pipe Length: **46.73 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **450mm**
Use: **Surface water**

DRAIN RUN OK

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8J5R2AEYKL

Date
08/06/2021

Section 6 Overview (08/06/2021)

Manholes: **SW-201 to HICAP CHANNEL**
Pipe Length: **2.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 7 Overview (08/06/2021)

Manholes: **SW-201A to HICAP CHANNEL**
Pipe Length: **20.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 8 Overview (08/06/2021)

Manholes: **SW-202 to RECYFIX STANDRD CHANNEL**
Pipe Length: **14.88 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 9 Overview (08/06/2021)

Manholes: **SW-202 to RECYFIX STANDARD CHANNEL**
Pipe Length: **21.17 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 10 Overview (08/06/2021)

Manholes: **SW-202 to RECYFIX STANDARD CHANNEL**
Pipe Length: **10.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 11 Overview (08/06/2021)

Manholes: **SW-202 to SW-201A**
Pipe Length: **12.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **450mm**
Use: **Surface water**

DRAIN RUN OK

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8J5R2AEYKL

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Section 12 Overview (08/06/2021)

Manholes: **SW-202 to OIL INTERCEPTOR**
Pipe Length: **0.93 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **450mm**
Use: **Surface water**

DRAIN RUN OK

Section 13 Overview (08/06/2021)

Manholes: **SW-210 to RWP**
Pipe Length: **31.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 14 Overview (08/06/2021)

Manholes: **SW-210 to HICAP CHANNEL**
Pipe Length: **3.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyethylene**
Pipe Size: **150mm**
Use: **Surface water**

DRAIN RUN OK

Section 15 Overview (08/06/2021)

Manholes: **SW-210 to SW-211**
Pipe Length: **54.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **300mm**
Use: **Surface water**

DRAIN RUN OK

Section 16 Overview (08/06/2021)

Manholes: **SW-211 to SW-212**
Pipe Length: **12.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **300mm**
Use: **Surface water**

DRAIN RUN OK

Section 17 Overview (08/06/2021)

Manholes: **SW-212 to SW-213**
Pipe Length: **7.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Concrete**
Pipe Size: **300mm**
Use: **Surface water**

DRAIN RUN OK

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8J5R2AEYKL

Date
08/06/2021

Section 18 Overview (08/06/2021)

Manholes: **SW-212 to HICAP CHANNEL**

Pipe Length: **2.57 metres**

Structural Grade: **0**

Service Grade: **0**

Material: **Polyethylene**

Pipe Size: **150mm**

Use: **Surface water**

DRAIN RUN OK

Section 19 Overview (08/06/2021)

Manholes: **SW-213 to FIN DRAIN**

Pipe Length: **6.17 metres**

Structural Grade: **0**

Service Grade: **0**

Material: **Polyethylene**

Pipe Size: **150mm**

Use: **Surface water**

DRAIN RUN OK

Section 20 Overview (08/06/2021)

Manholes: **SW-213 to SW-209**

Pipe Length: **39.95 metres**

Structural Grade: **0**

Service Grade: **0**

Material: **Polypropylene**

Pipe Size: **450mm**

Use: **Surface water**

DRAIN RUN OK

Section 21 Overview (08/06/2021)

Manholes: **SW-209 to SW-07**

Pipe Length: **9.05 metres**

Structural Grade: **0**

Service Grade: **0**

Material: **Polypropylene**

Pipe Size: **225mm**

Use: **Surface water**

DRAIN RUN OK

Section 22 Overview (08/06/2021)

Manholes: **SW-207 to SW-206**

Pipe Length: **36.16 metres**

Structural Grade: **0**

Service Grade: **0**

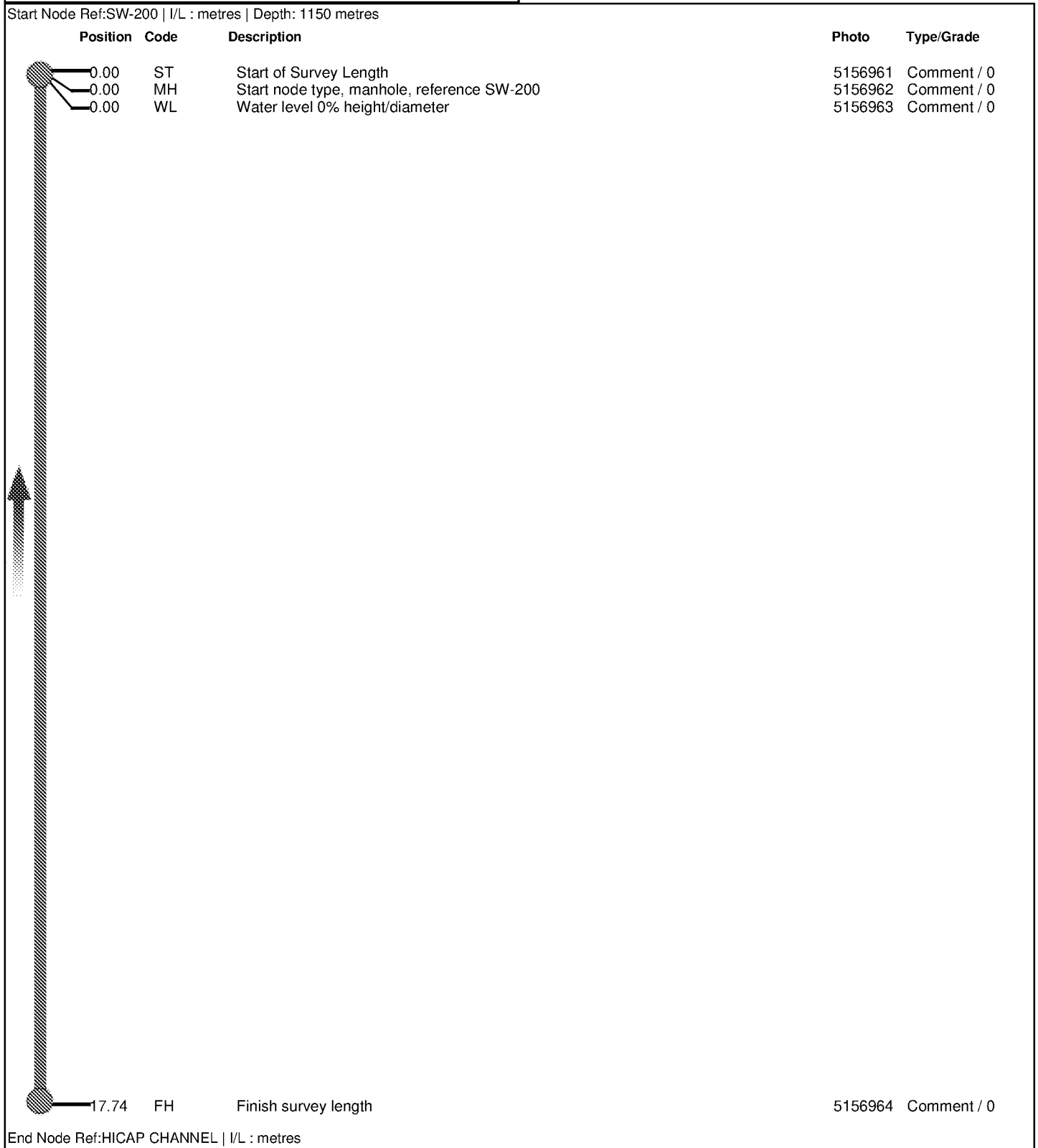
Material: **Polypropylene**

Pipe Size: **225mm**

Use: **Surface water**

UNABLE TO FINISH CCTV

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) HICAP CHANX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 1
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-200 End Node HICAP CHANNEL Total length 17.74 metres		
Scale 1:0.89 Direction Upstream				



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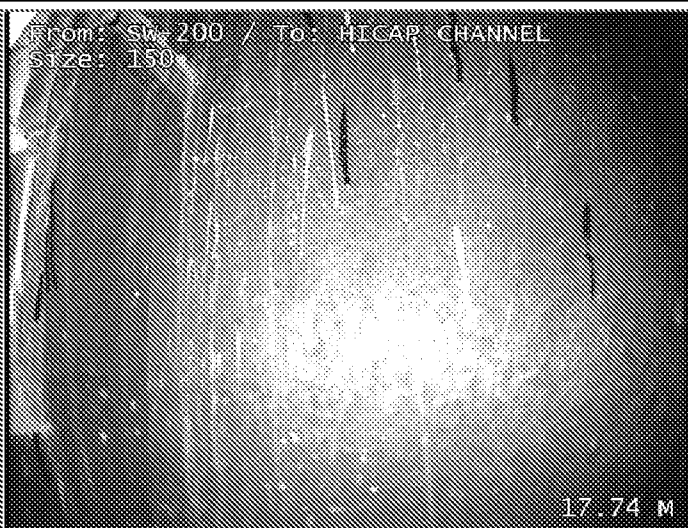
Surveyed by (Operator)
Luke Clayton

Base Unit
8J5R2AEYKL

Date
08/06/2021

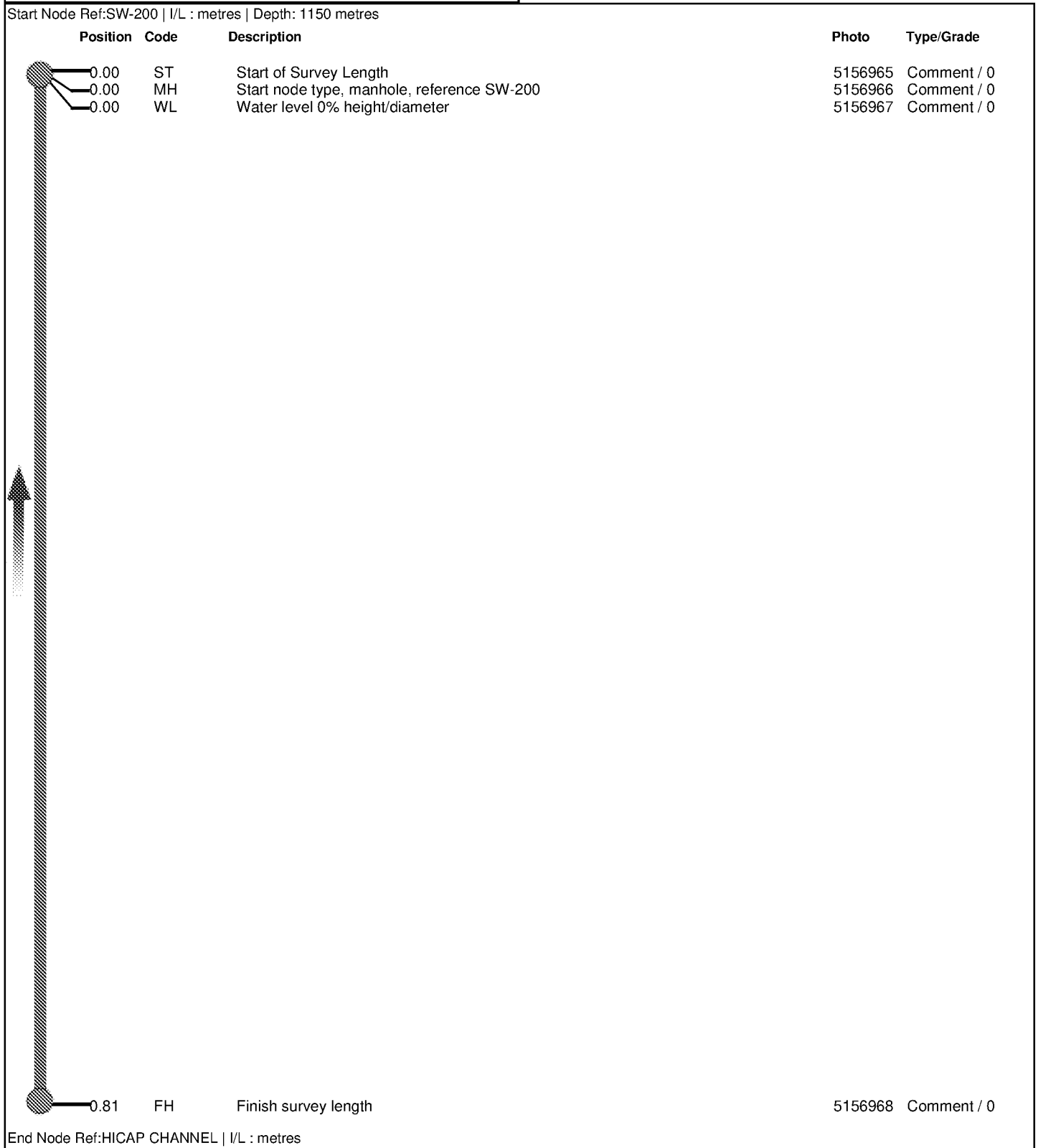


Start of Survey Length, Start node type, manhole, reference SW-200,
Water level 0% height/diameter



Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) HICAP CHANX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 2
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-200 End Node HICAP CHANNEL Total length 0.81 metres		
Scale 1:0.00 Direction Upstream				

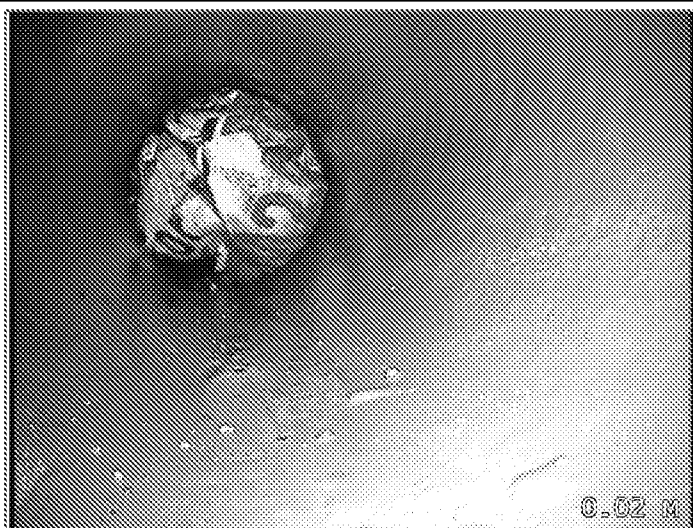


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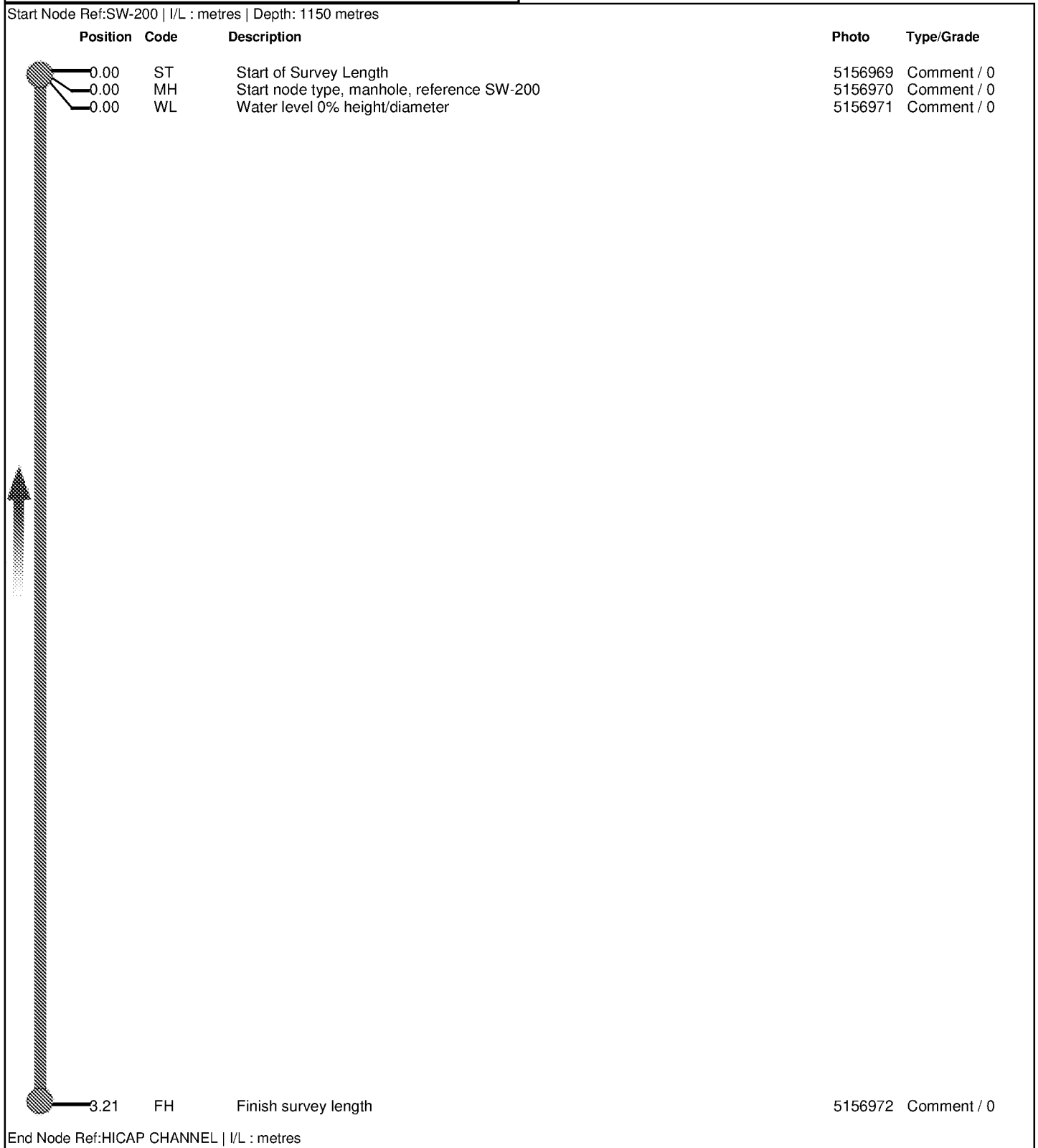


Start of Survey Length, Start node type, manhole, reference SW-200,
Water level 0% height/diameter



Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) HICAP CHANX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 3
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-200 End Node HICAP CHANNEL Total length 3.21 metres		
Scale 1:0.16 Direction Upstream				

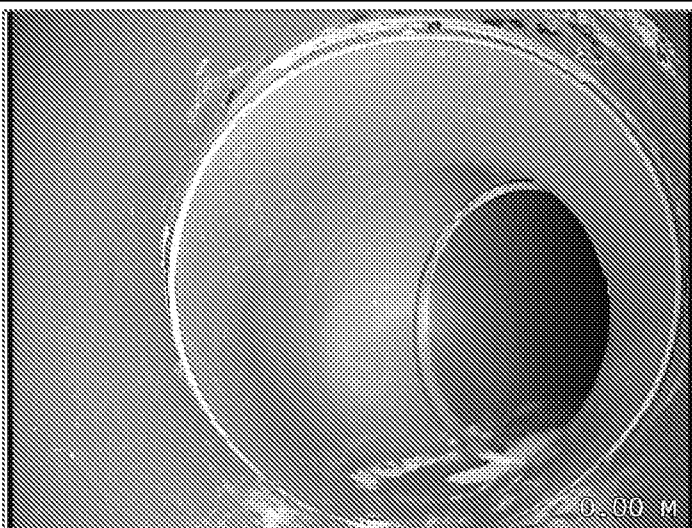


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8J5R2AEYKL

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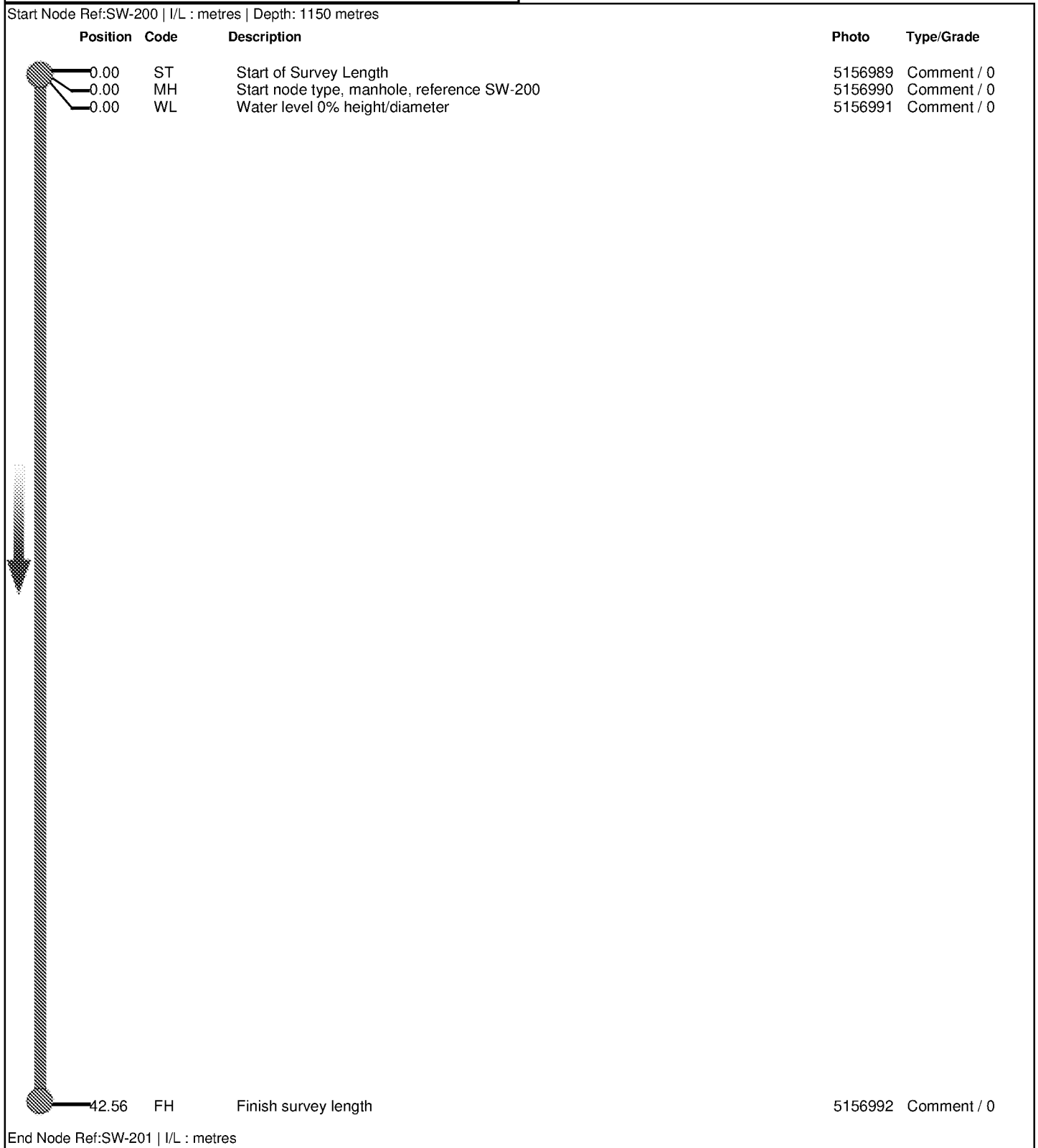


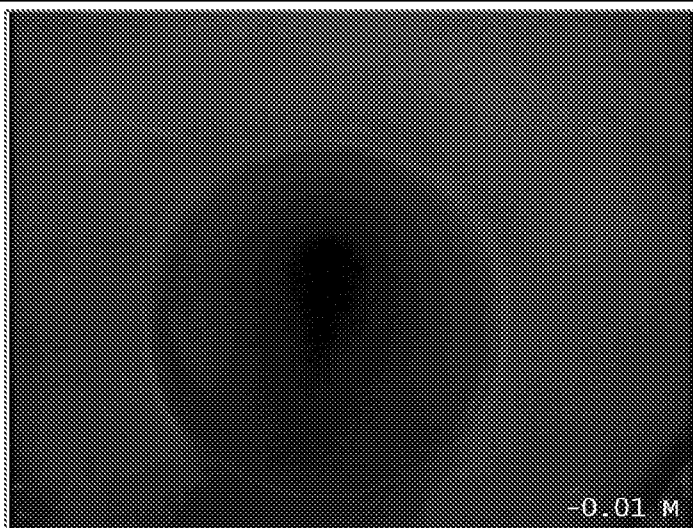
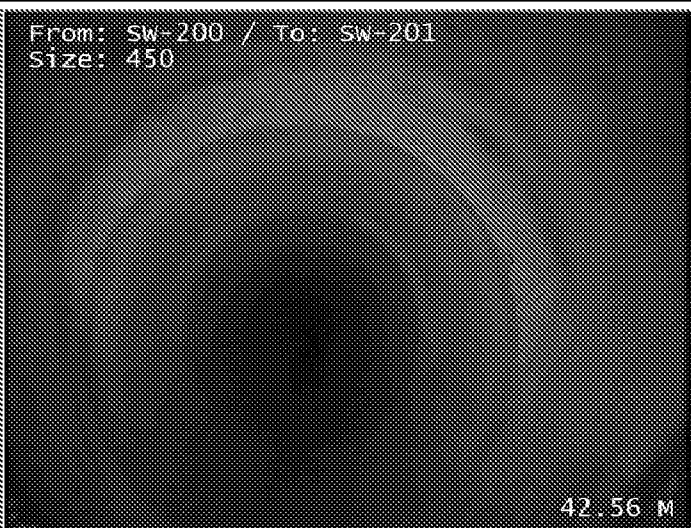
Start of Survey Length, Start node type, manhole, reference SW-200,
Water level 0% height/diameter



Finish survey length

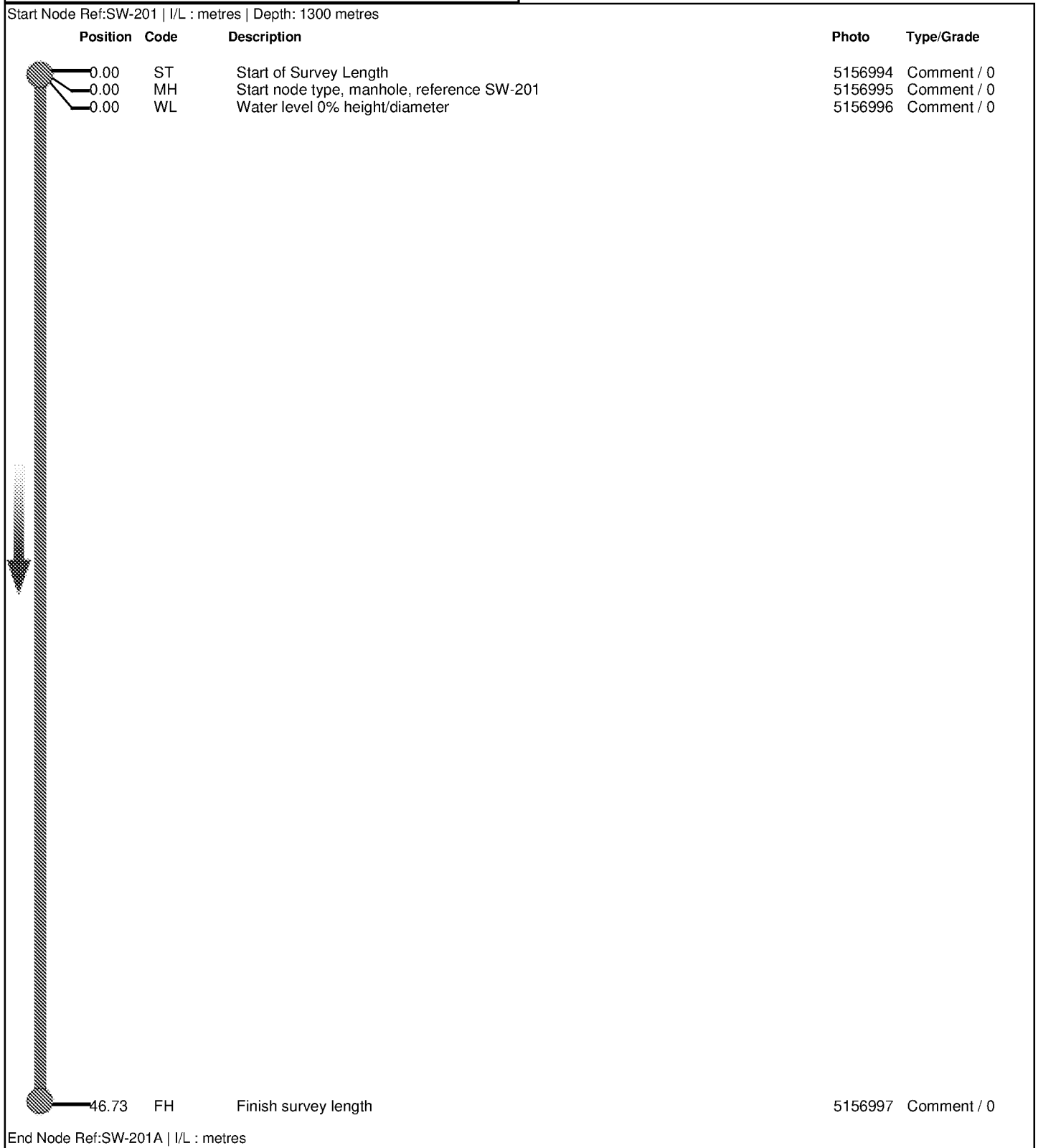
Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-200 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 4
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 450mm Material Concrete Category	Start Node SW-200 End Node SW-201 Total length 42.56 metres		
Scale 1:2.20 Direction Downstream				

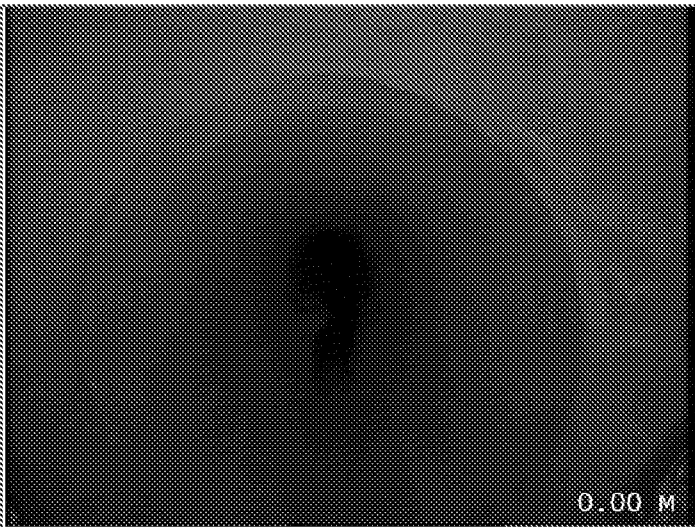
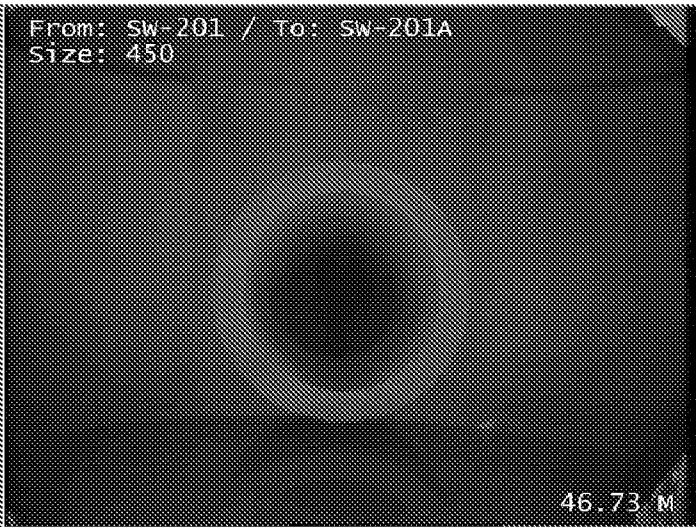


Job Number
433Surveyed by (Operator)
Luke ClaytonBase Unit
8J5R2AEYKLDate
08/06/2021Start of Survey Length, Start node type, manhole, reference SW-200,
Water level 0% height/diameterFrom: SW-200 / To: SW-201
Size: 450

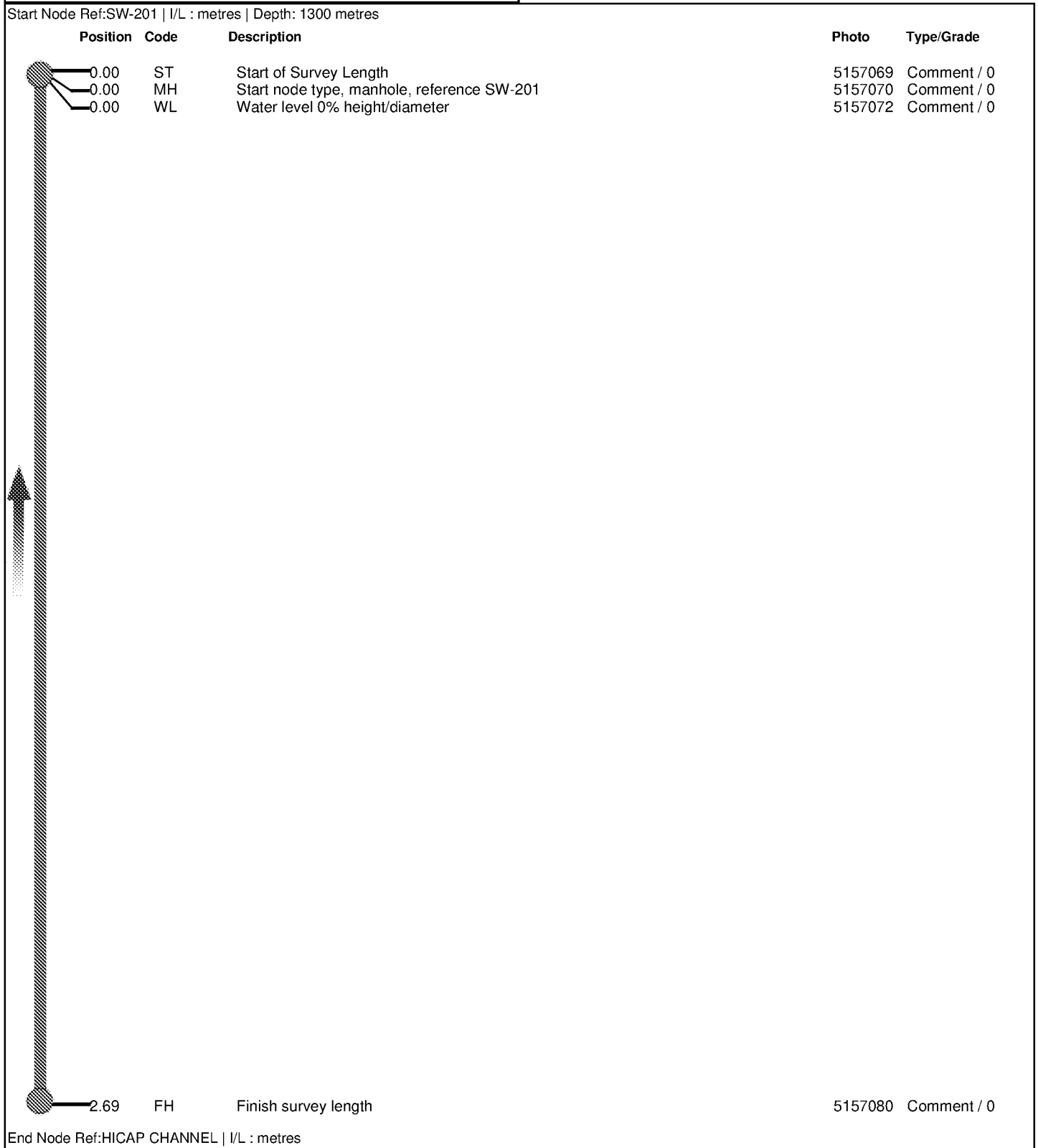
Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-201 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 5
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 450mm Material Concrete Category	Start Node SW-201 End Node SW-201A Total length 46.73 metres		
Scale 1:2.41 Direction Downstream				



Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 0.00 M Start of Survey Length, Start node type, manhole, reference SW-201, Water level 0% height/diameter		From: SW-201 / To: SW-201A Size: 450  46.73 M Finish survey length	

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) HICAP CHANX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 6
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-201 End Node HICAP CHANNEL Total length 2.69 metres		
Scale 1:0.10 Direction Upstream				

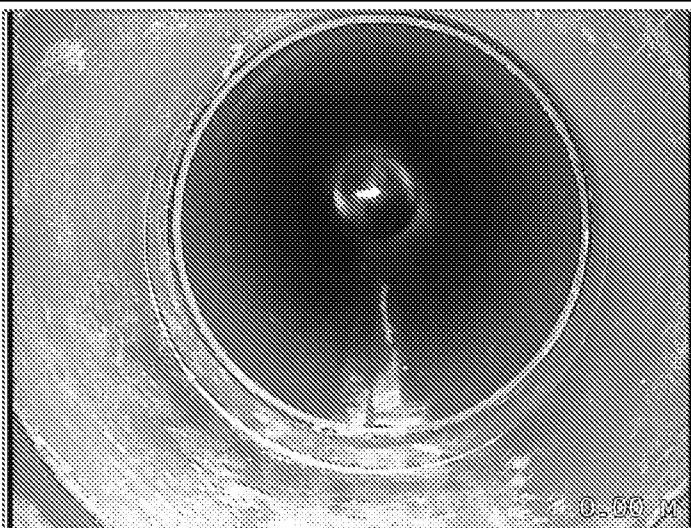


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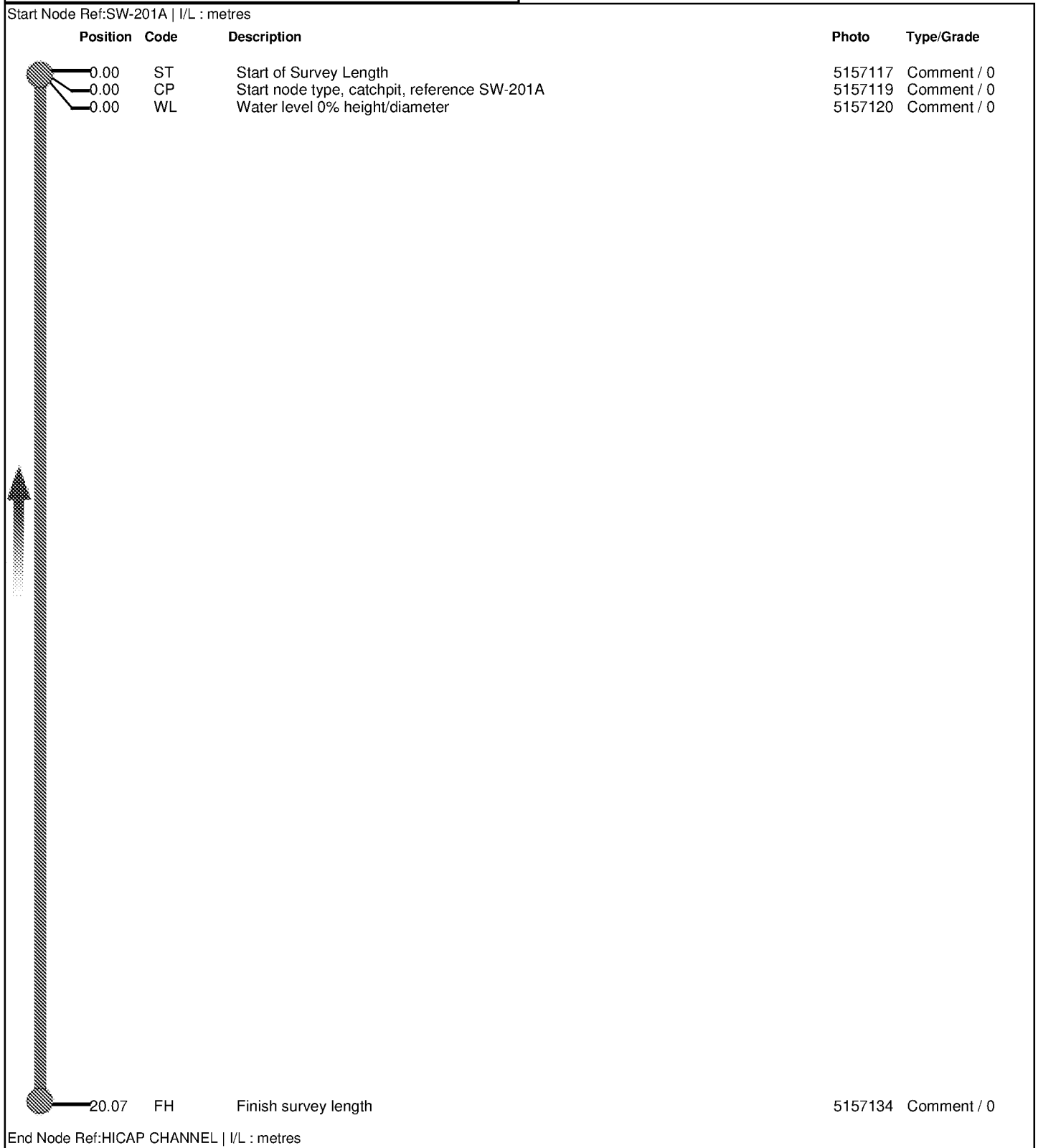


Start of Survey Length, Start node type, manhole, reference SW-201,
Water level 0% height/diameter



Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) HICAP CHANX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 7
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-201A End Node HICAP CHANNEL Total length 20.07 metres		
Scale 1:1.05 Direction Upstream				

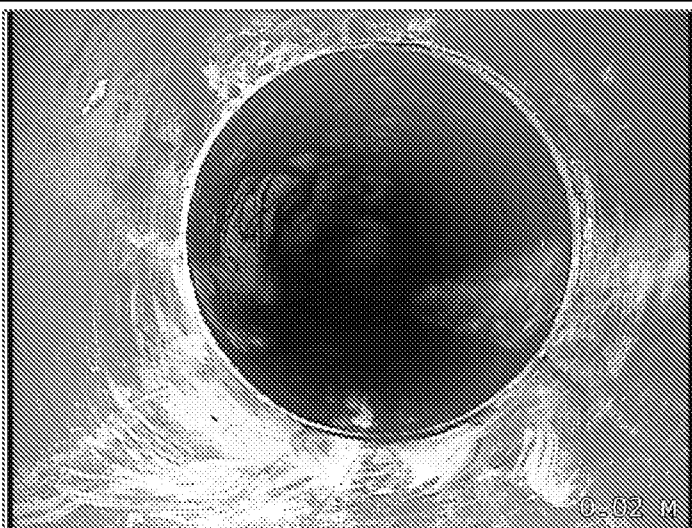


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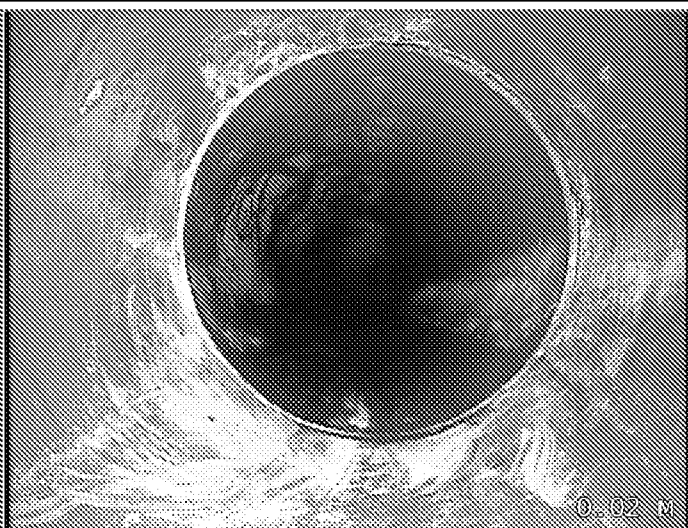
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Base Unit
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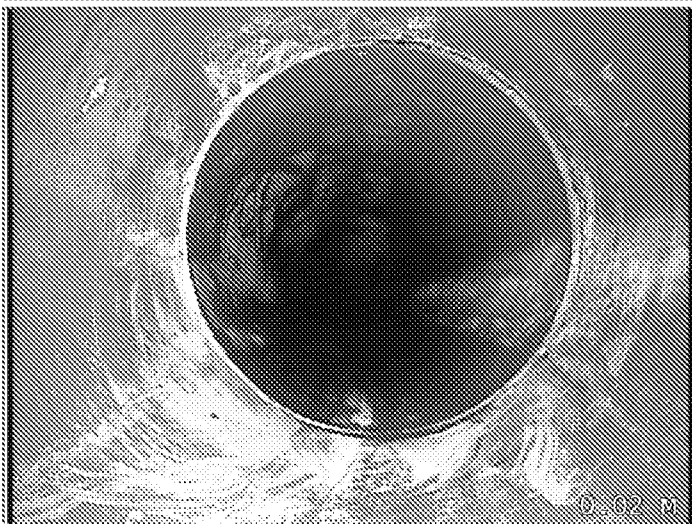
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08/06/2021



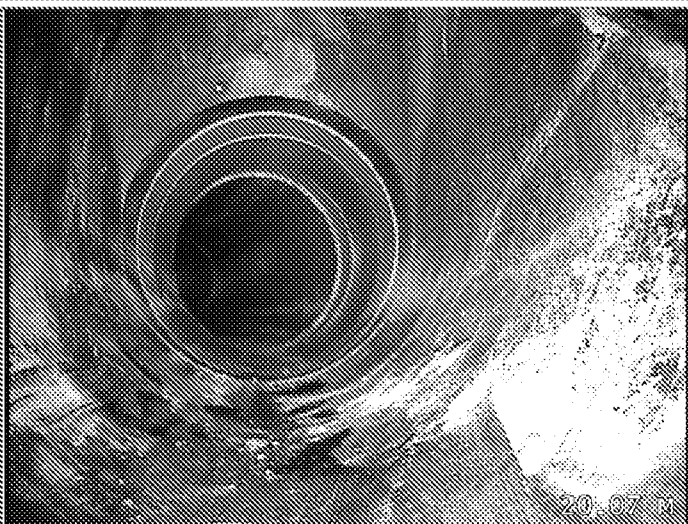
Start of Survey Length



Start node type, catchpit, reference SW-201A

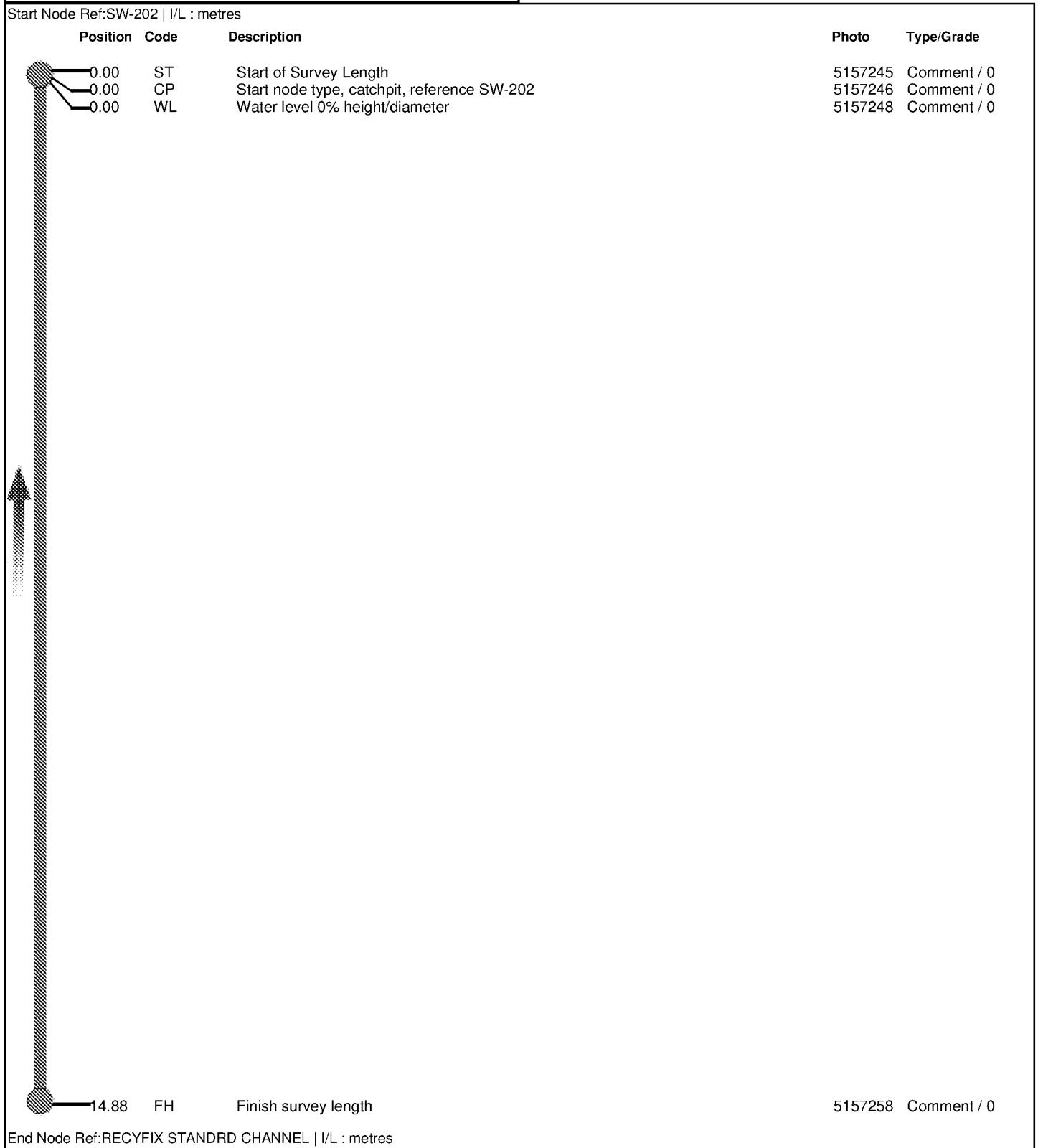


Water level 0% height/diameter



Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) RECYFIX STX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 8
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-202 End Node RECYFIX STANDRD CHANNEL Total length 14.88 metres		
Scale 1:0.73 Direction Upstream				

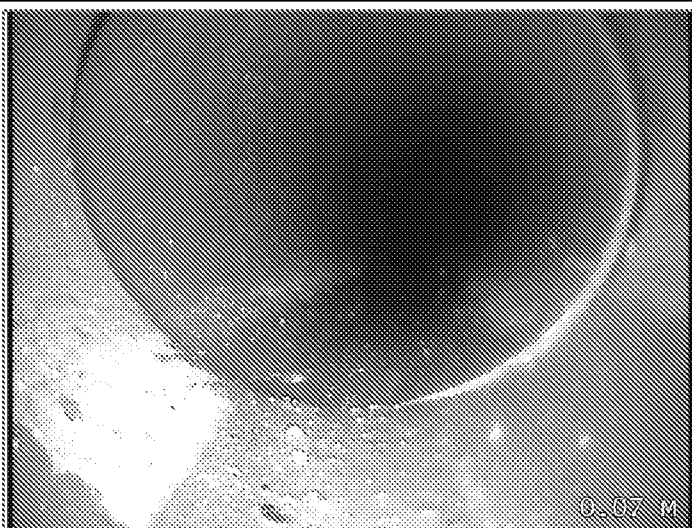


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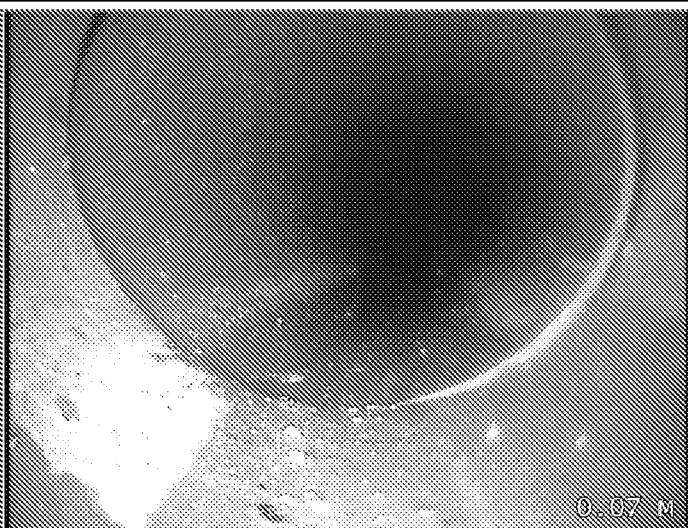
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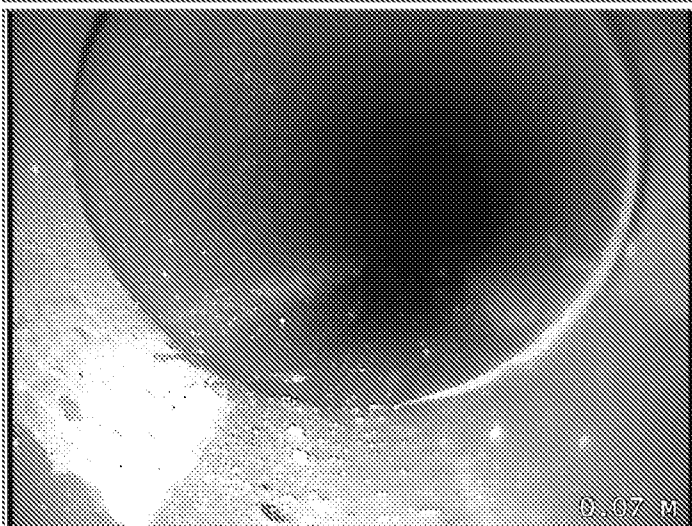
Date
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Start of Survey Length



Start node type, catchpit, reference SW-202

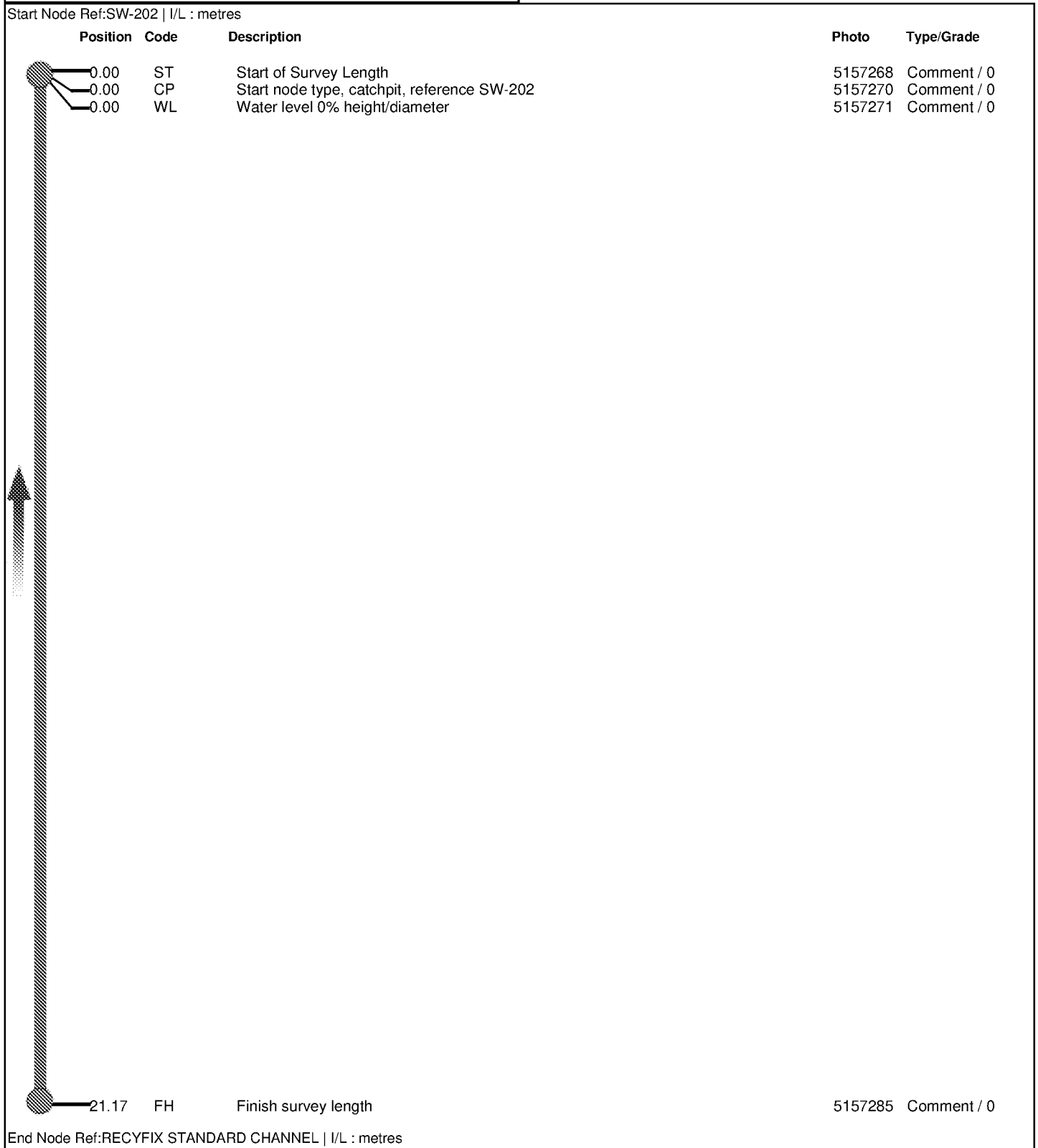


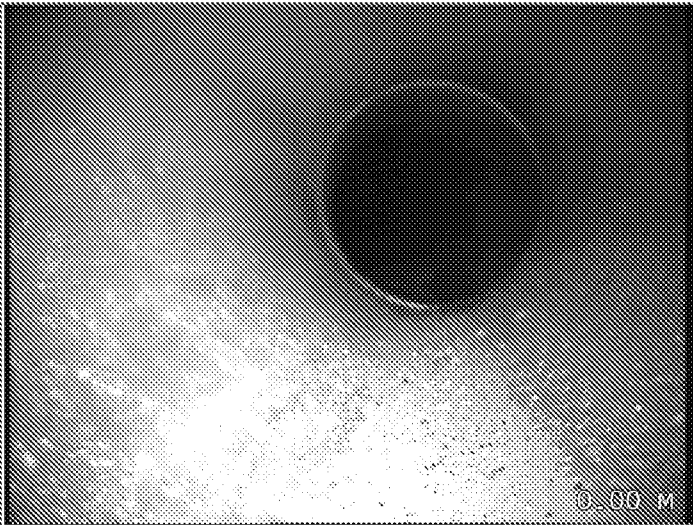
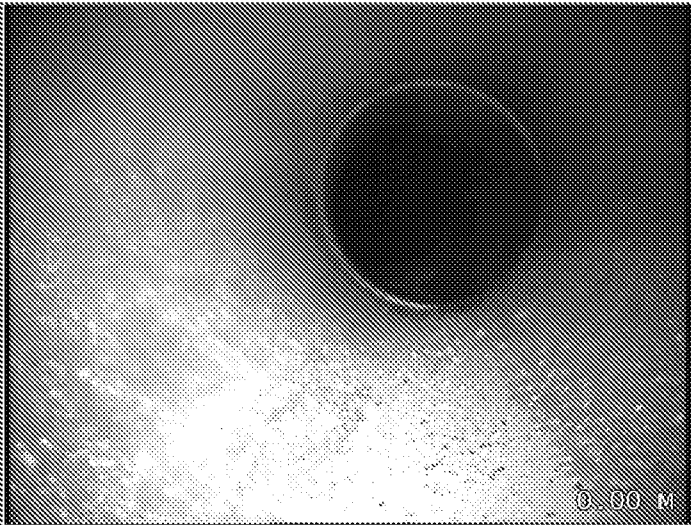
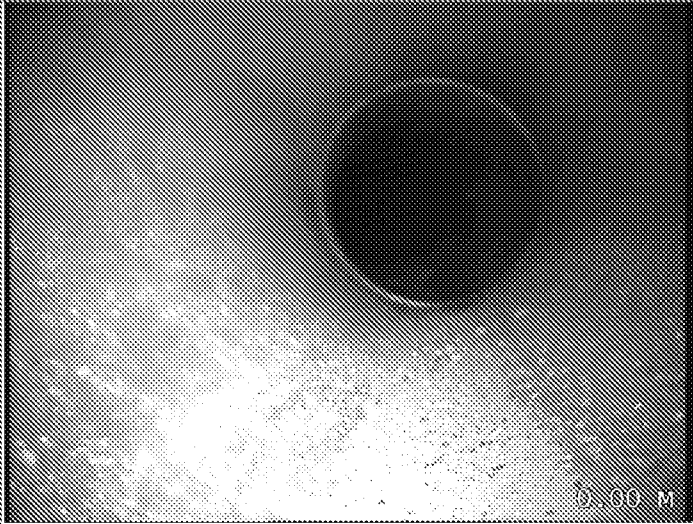
Water level 0% height/diameter



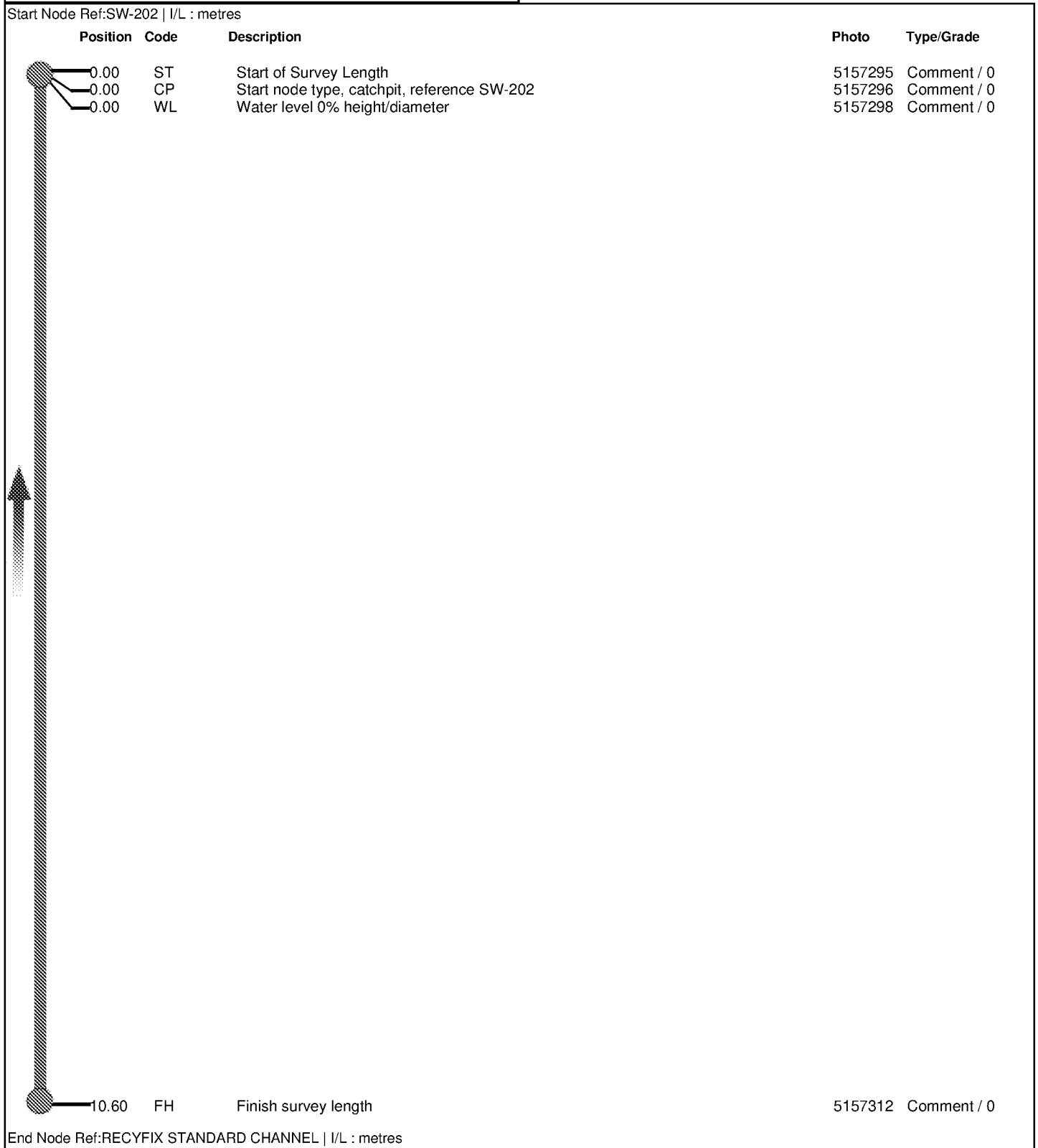
Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) RECYFIX STX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 9
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-202 End Node RECYFIX STANDARD CHANNEL Total length 21.17 metres		
Scale 1:1.10 Direction Upstream				



Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 Start of Survey Length		 Start node type, catchpit, reference SW-202	
 Water level 0% height/diameter		 Finish survey length	

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) RECYFIX STX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 10
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-202 End Node RECYFIX STANDARD CHANNEL Total length 10.6 metres		
Scale 1:0.52 Direction Upstream				



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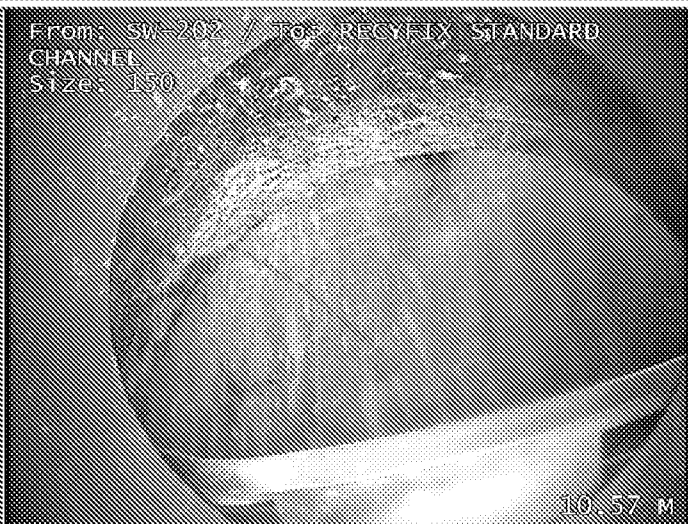
Start of Survey Length



Start node type, catchpit, reference SW-202

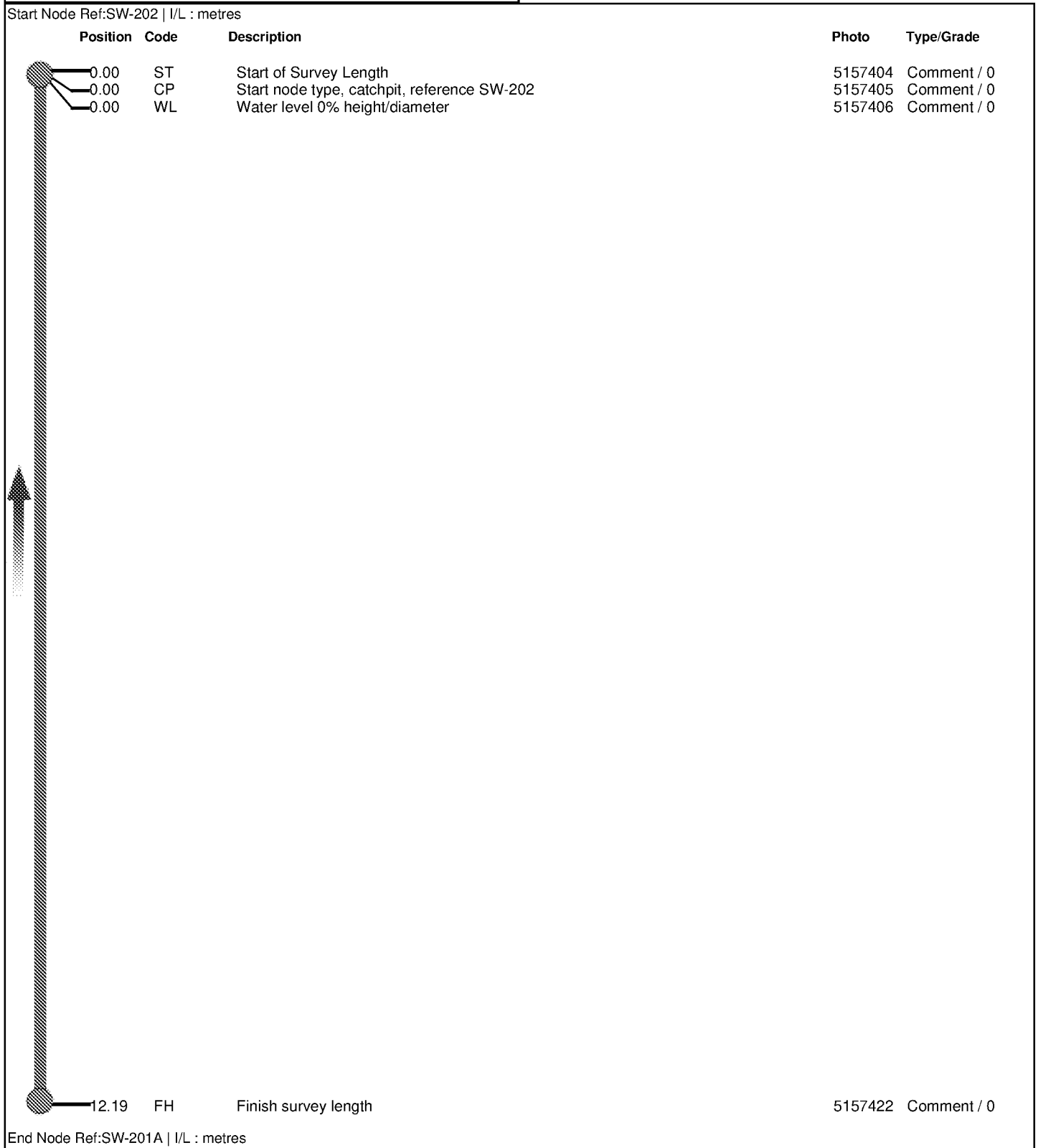


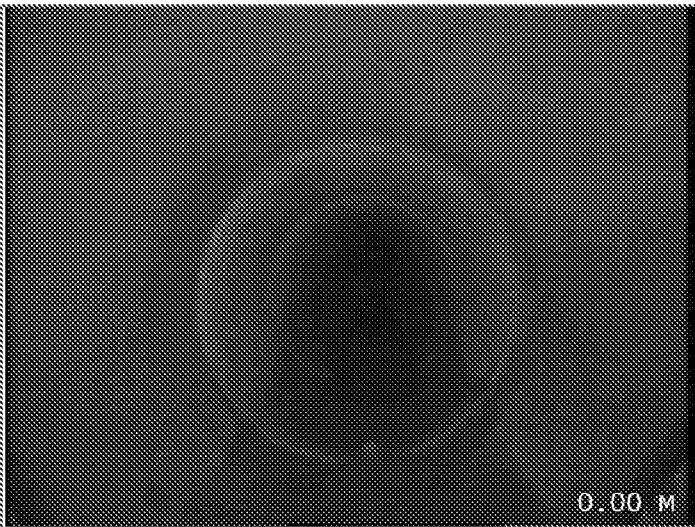
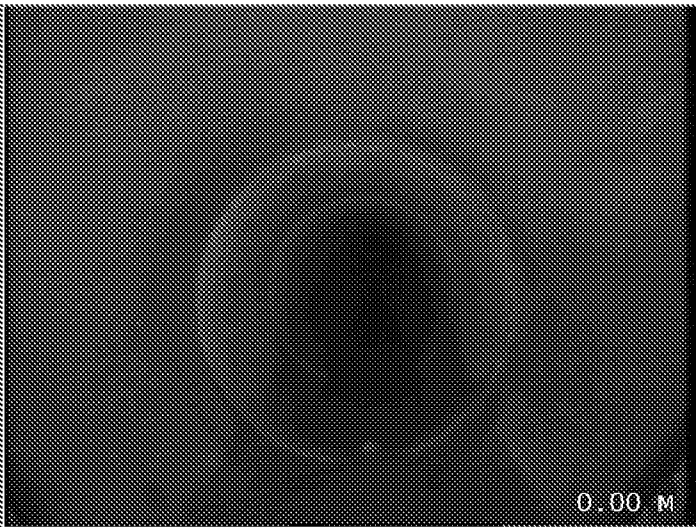
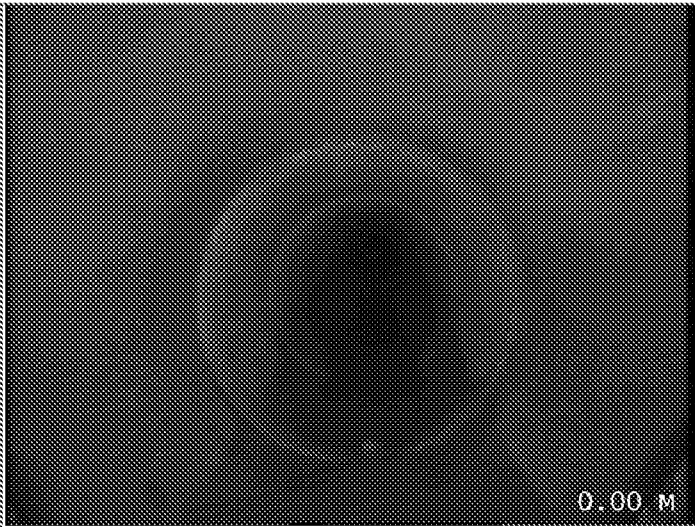
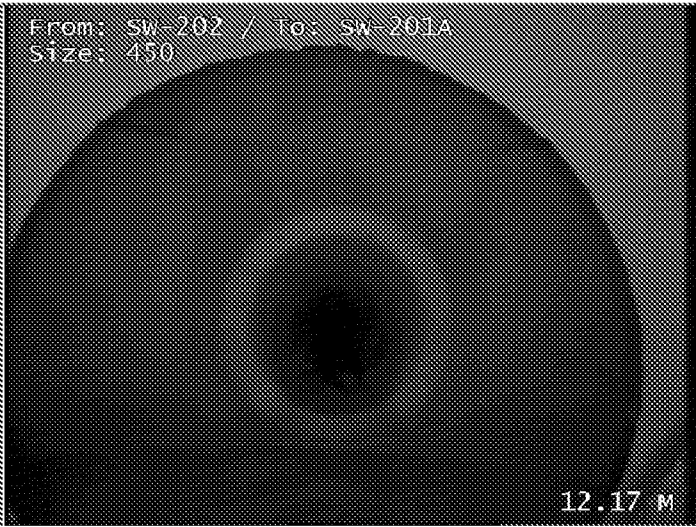
Water level 0% height/diameter



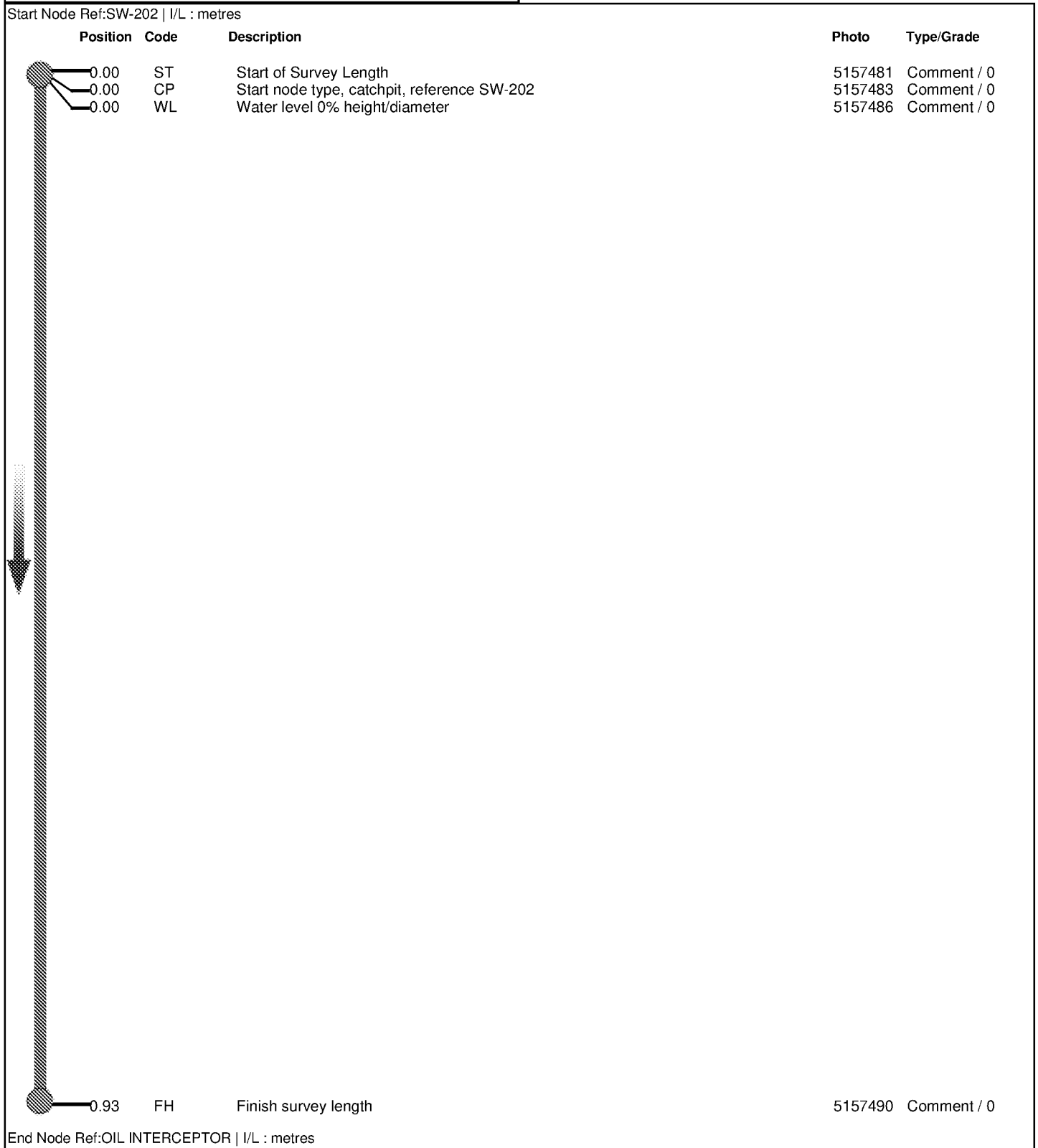
Finish survey length

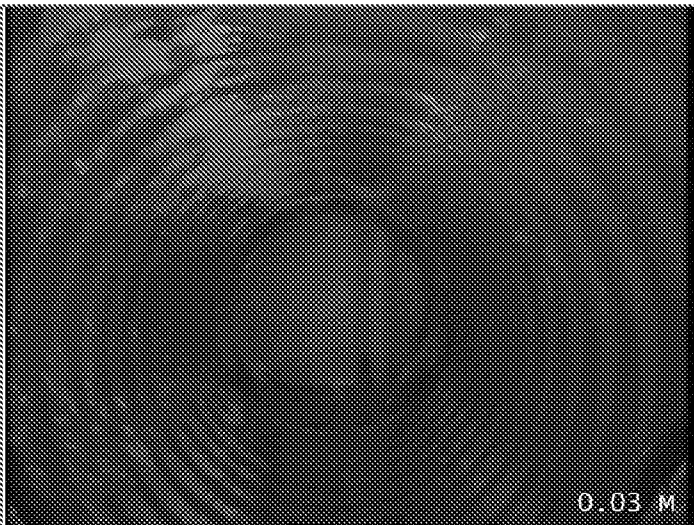
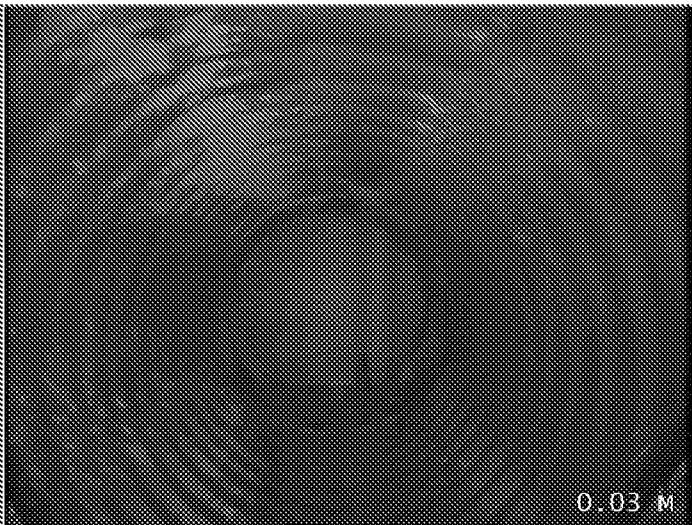
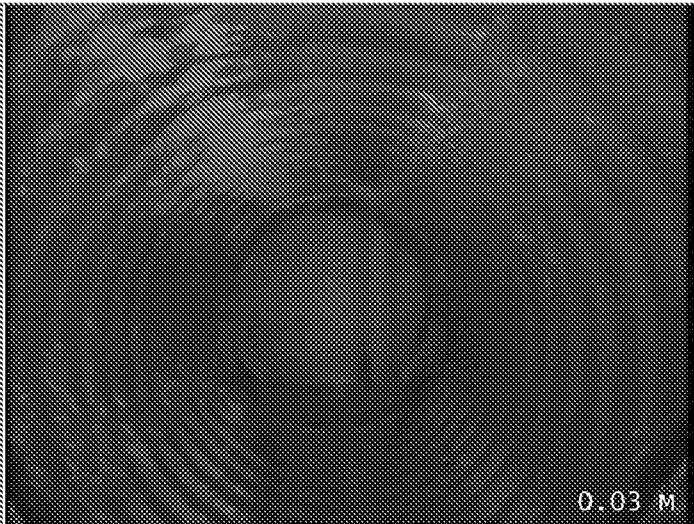
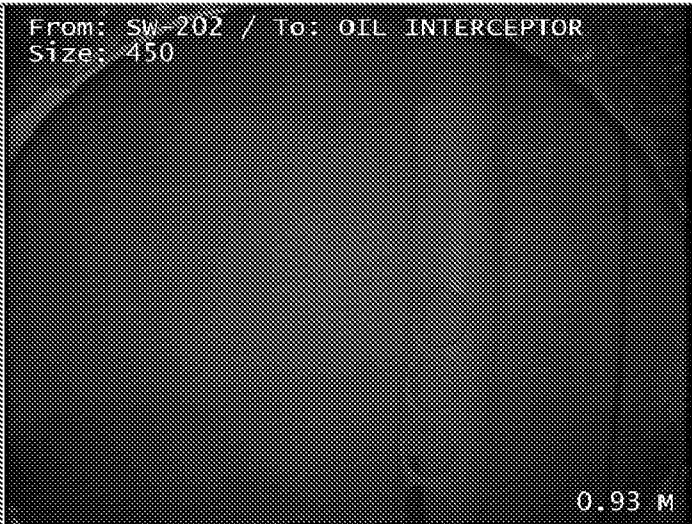
Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-201A X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 11
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 450mm Material Concrete Category	Start Node SW-202 End Node SW-201A Total length 12.19 metres		
Scale 1:0.63 Direction Upstream				



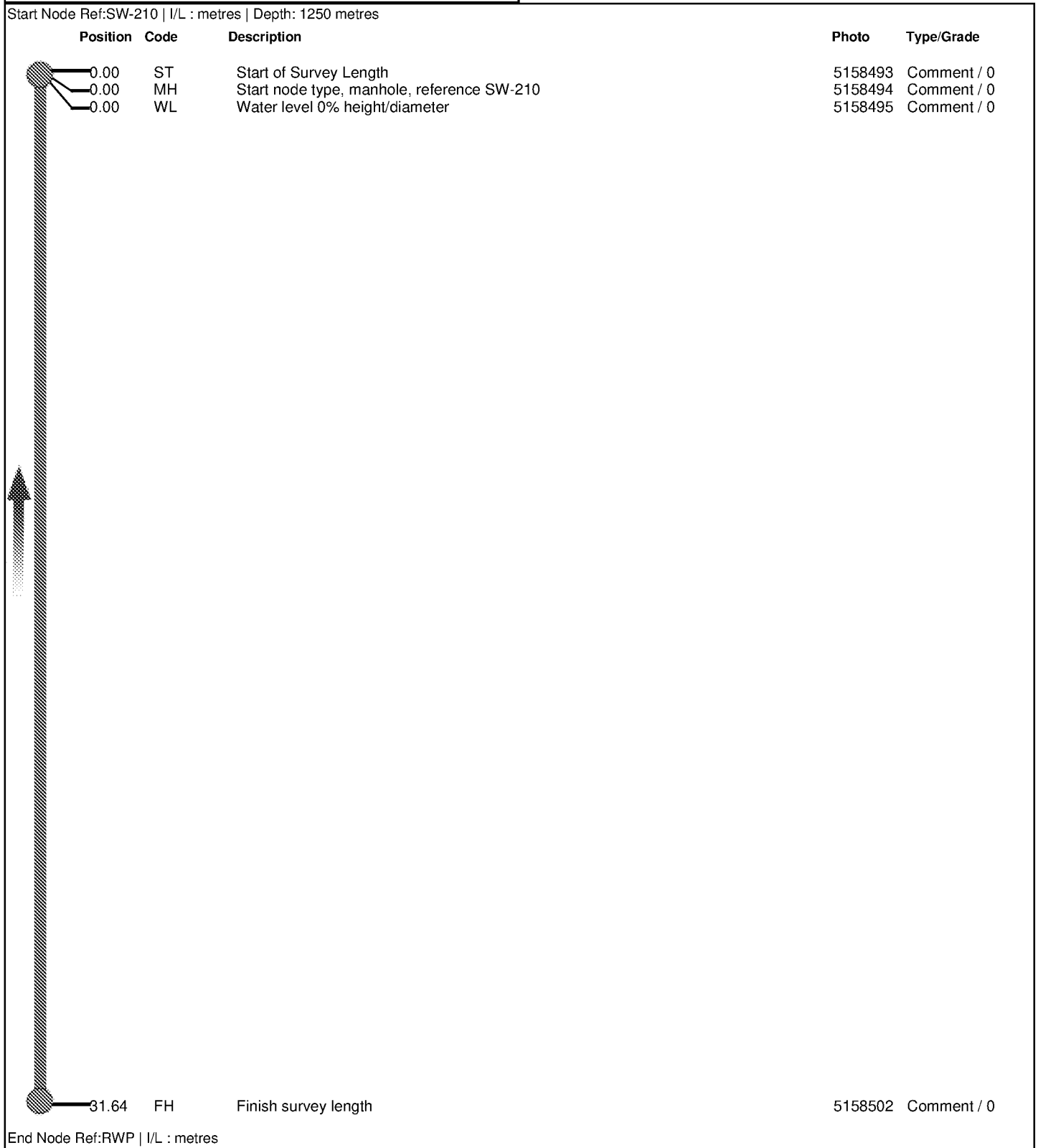
Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 0.00 M Start of Survey Length		 0.00 M Start node type, catchpit, reference SW-202	
 0.00 M Water level 0% height/diameter		From: SW-202 / To: SW-201A Size: 450  12.17 M Finish survey length	

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-202 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 12
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 450mm Material Concrete Category	Start Node SW-202 End Node OIL INTERCEPTOR Total length 0.93 metres		
Scale 1:0.00 Direction Downstream				



Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 0.03 M Start of Survey Length		 0.03 M Start node type, catchpit, reference SW-202	
 0.03 M Water level 0% height/diameter		From: SW-202 / To: OIL INTERCEPTOR Size: 450  0.93 M Finish survey length	

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) RWP X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 13
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-210 End Node RWP Total length 31.64 metres		
Scale 1:1.63 Direction Upstream				

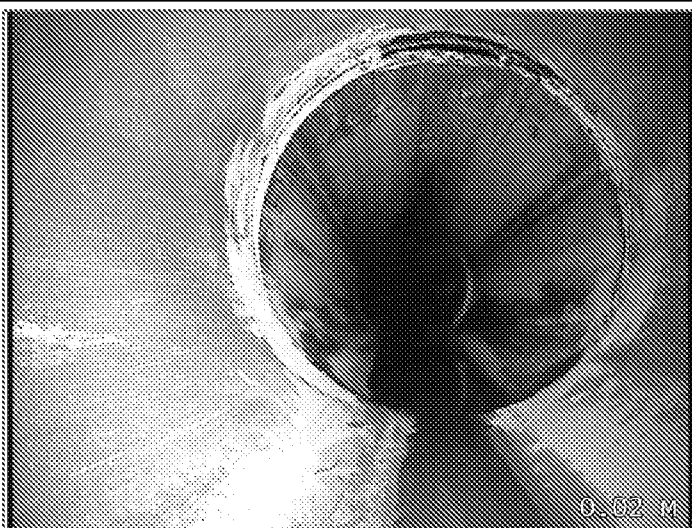


Job Number
433

Surveyed by (Operator)
Luke Clayton

Base Unit
8J5R2AEYKL

Date
08/06/2021

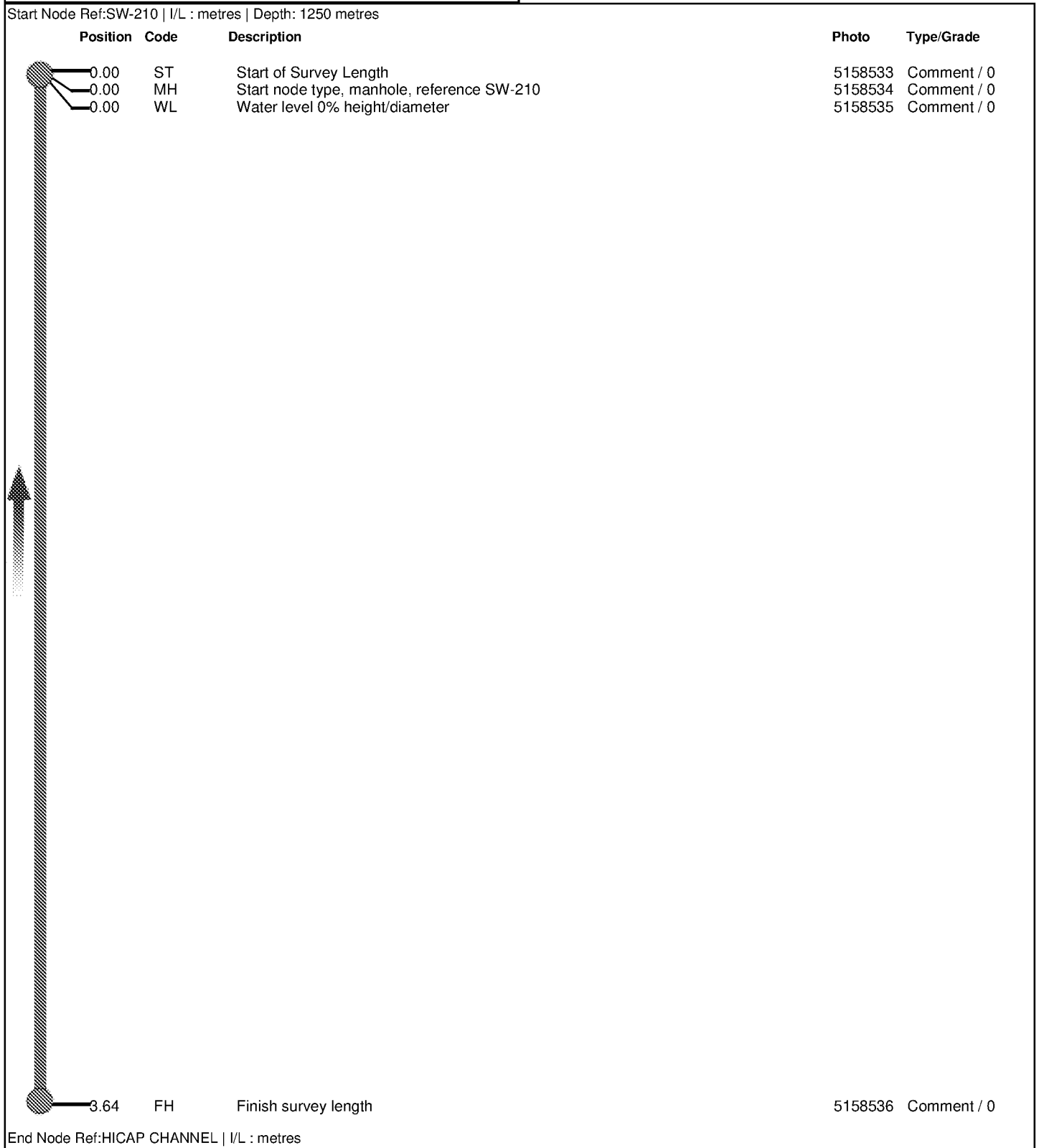


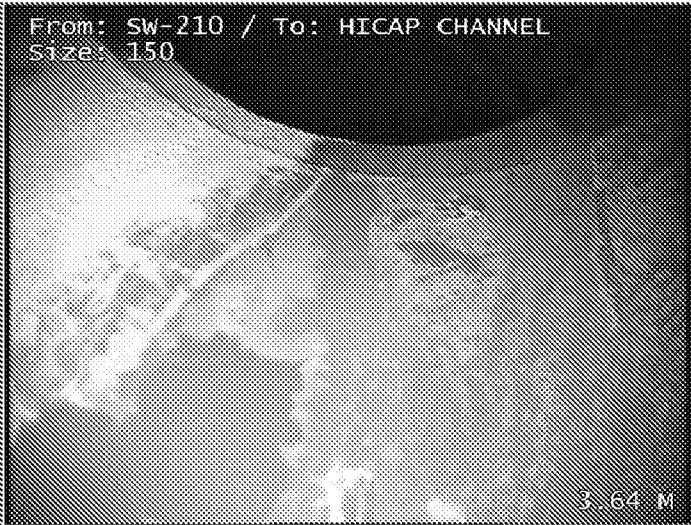
Start of Survey Length, Start node type, manhole, reference SW-210,
Water level 0% height/diameter



Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) HICAP CHANX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 14
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-210 End Node HICAP CHANNEL Total length 3.64 metres		
Scale 1:0.16 Direction Upstream				



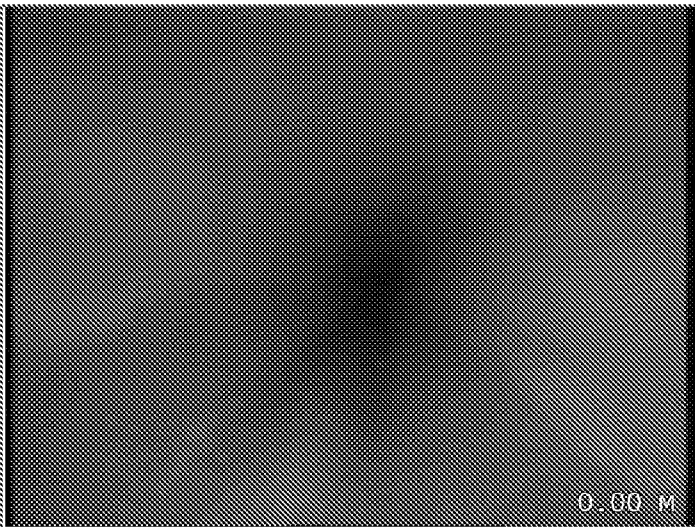
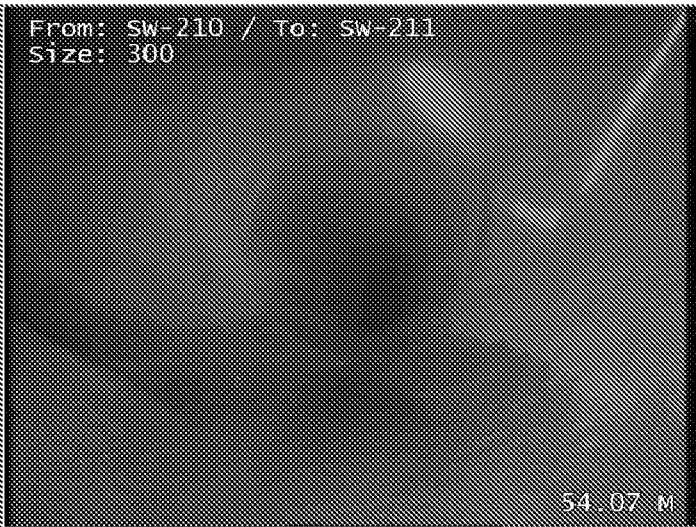
Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 Start of Survey Length, Start node type, manhole, reference SW-210, Water level 0% height/diameter		 From: SW-210 / To: HICAP CHANNEL Size: 150 Finish survey length	

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-210 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 15
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 300mm Material Concrete Category	Start Node SW-210 End Node SW-211 Total length 54.07 metres		
Scale 1:2.83 Direction Downstream				

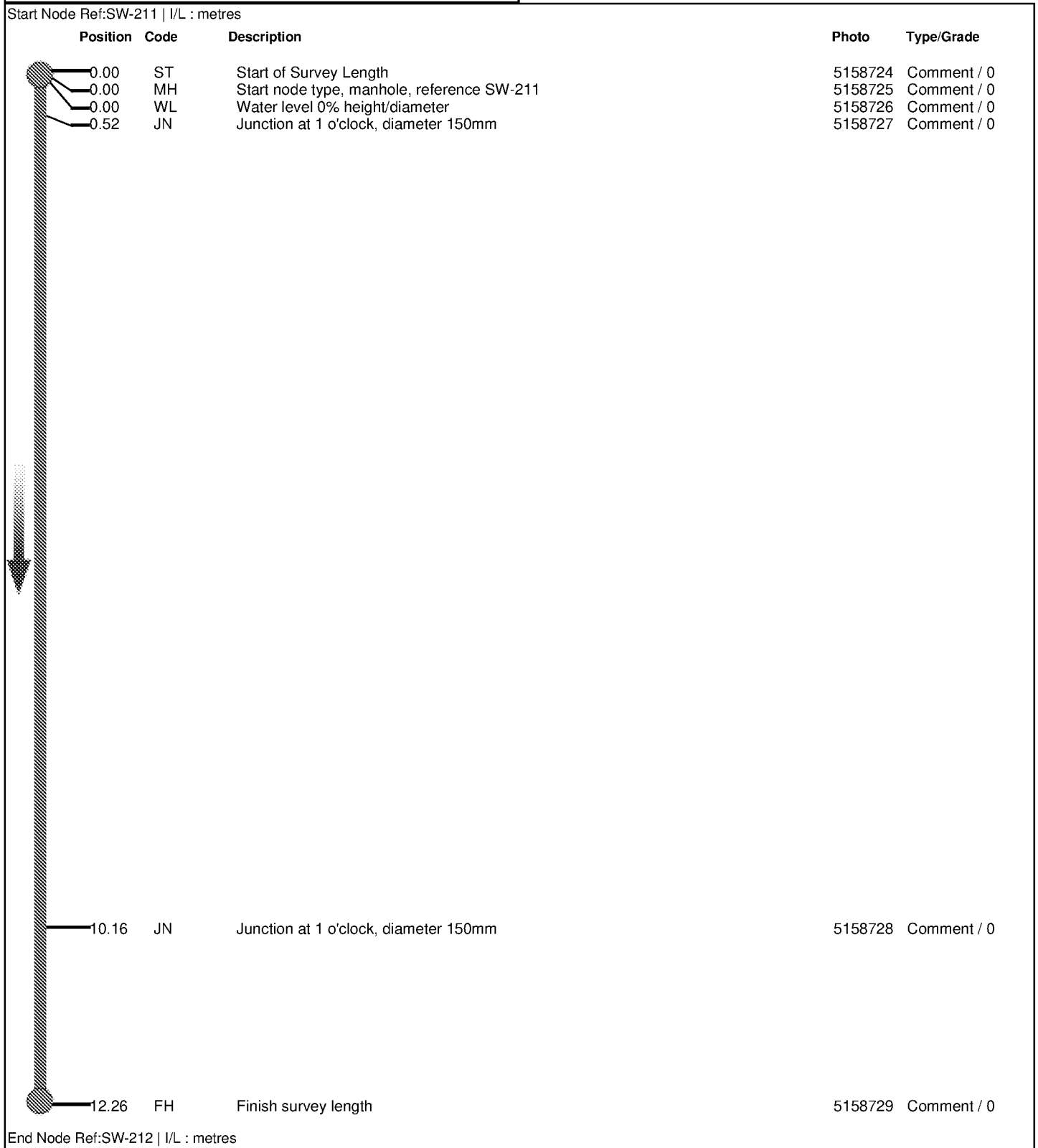
Start Node Ref:SW-210 | I/L : metres | Depth: 1250 metres

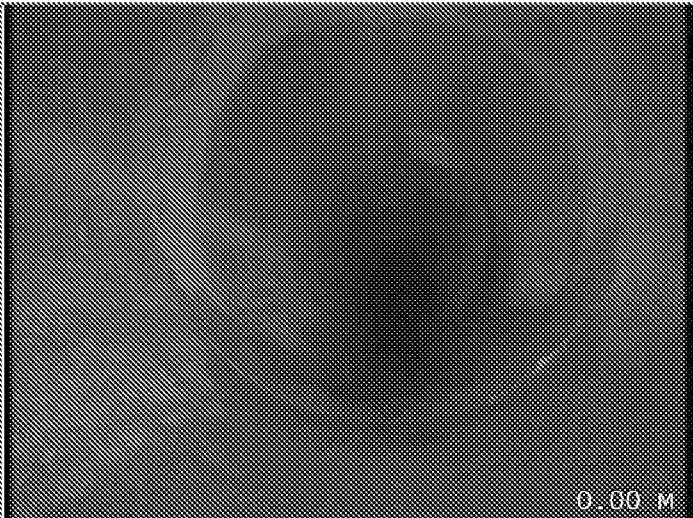
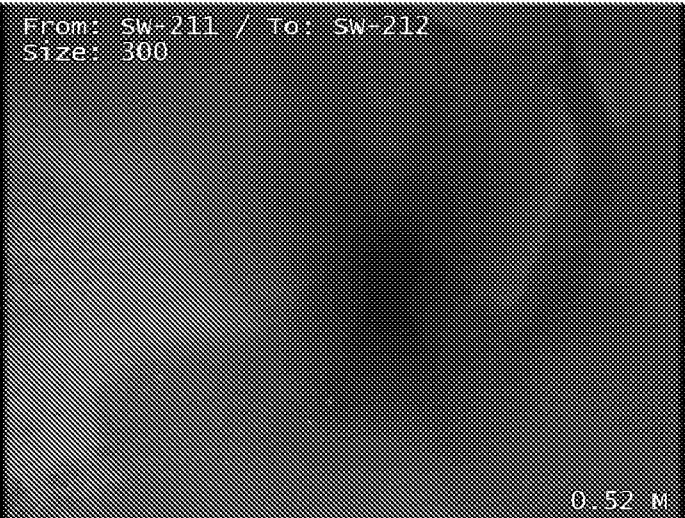
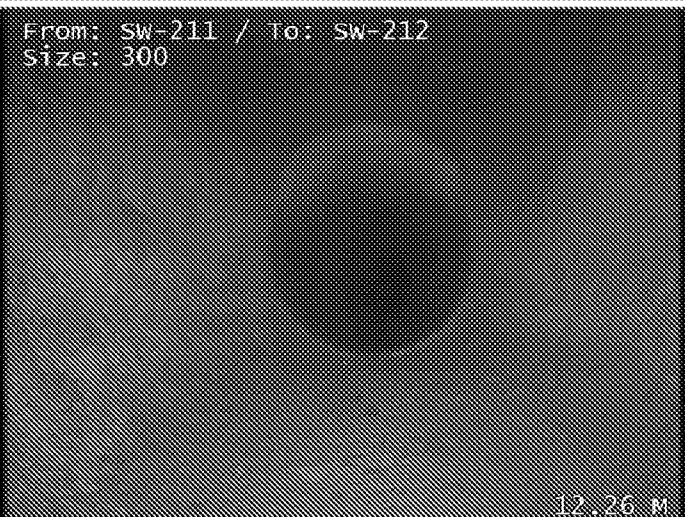
Position	Code	Description	Photo	Type/Grade
0.00	ST	Start of Survey Length	5158550	Comment / 0
0.00	MH	Start node type, manhole, reference SW-210	5158551	Comment / 0
0.00	WL	Water level 0% height/diameter	5158553	Comment / 0
				
54.07	FH	Finish survey length	5158694	Comment / 0

End Node Ref:SW-211 | I/L : metres

Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 0.00 M Start of Survey Length, Start node type, manhole, reference SW-210, Water level 0% height/diameter		 From: SW-210 / To: SW-211 Size: 300 54.07 M Finish survey length	

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-211 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 16
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 300mm Material Concrete Category	Start Node SW-211 End Node SW-212 Total length 12.26 metres		
Scale 1:0.63 Direction Downstream				



Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 0.00 M Start of Survey Length, Start node type, manhole, reference SW-211, Water level 0% height/diameter		From: SW-211 / To: SW-212 Size: 300  0.52 M Junction at 1 o'clock, diameter 150mm	
From: SW-211 / To: SW-212 Size: 300  10.16 M Junction at 1 o'clock, diameter 150mm		From: SW-211 / To: SW-212 Size: 300  12.26 M Finish survey length	

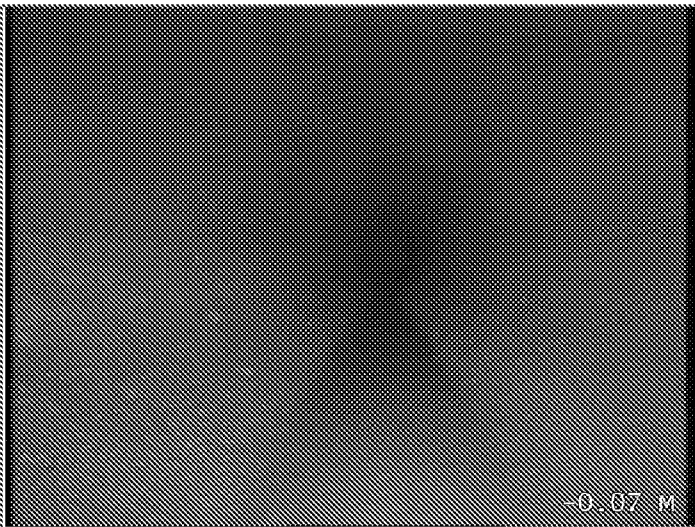
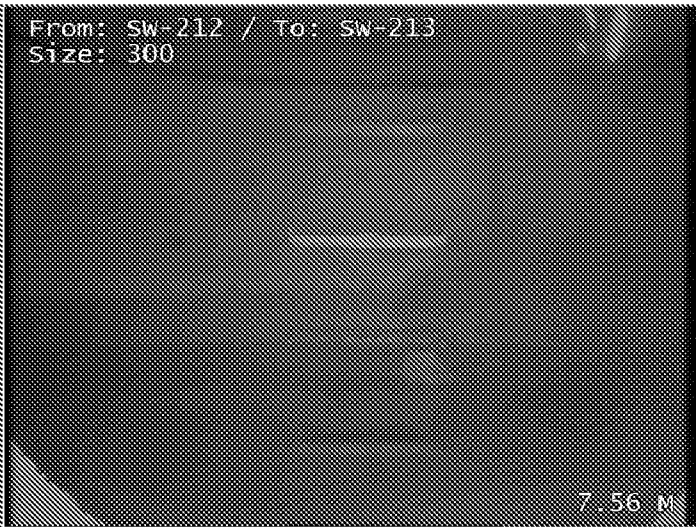
Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-212 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 17

Read UNIT 2 Place Saltbox Location Shripney Way	Division District Location Details
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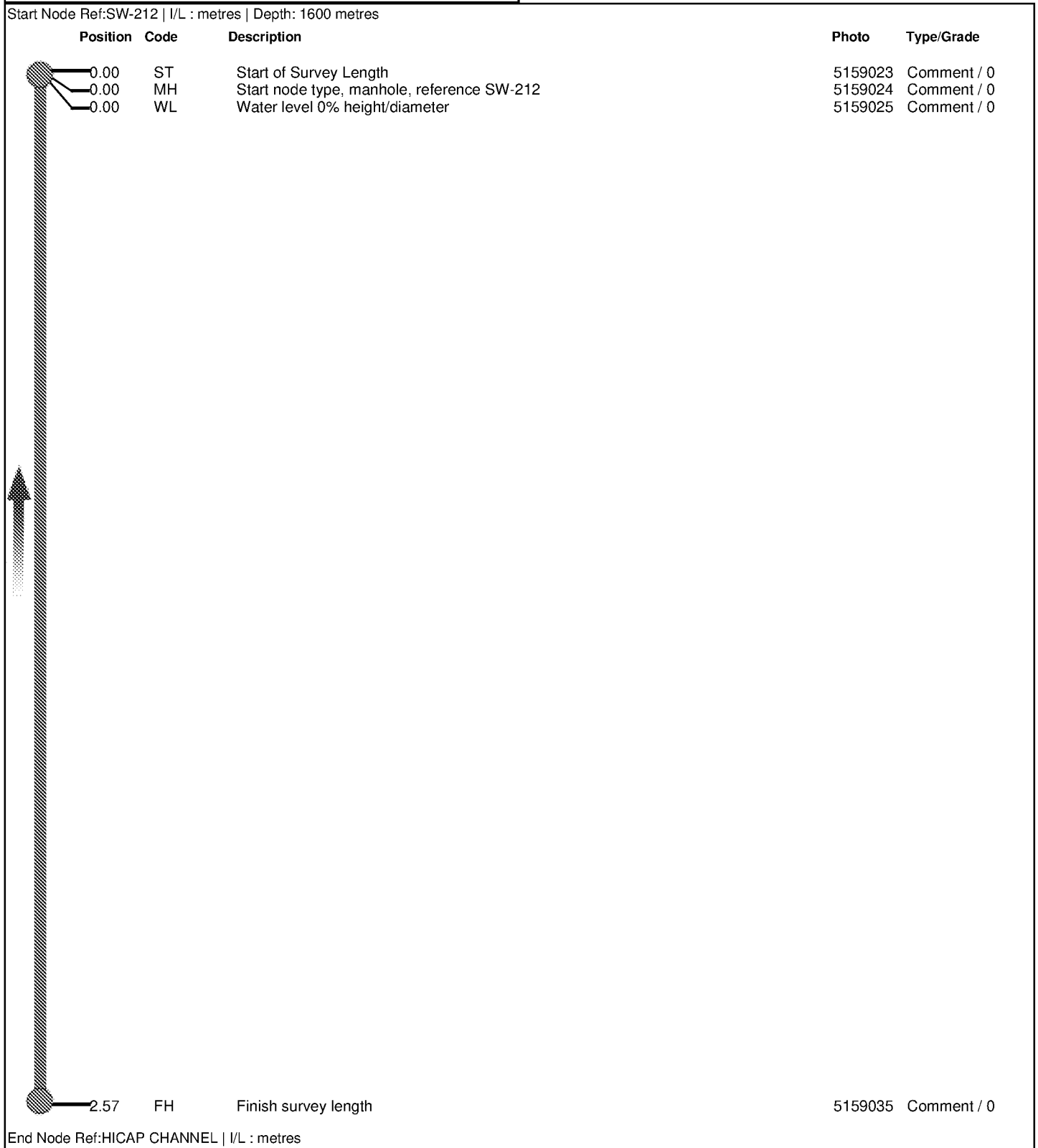
Purpose Duty Surface water Catchment	Shape/Size 300mm Material Concrete Category	Start Node SW-212 End Node SW-213 Total length 7.67 metres
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Scale 1:0.37 Direction Downstream	
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Start Node Ref:SW-212 I/L : metres				Photo	Type/Grade
Position	Code	Description			
0.00	ST	Start of Survey Length		5158731	Comment / 0
0.00	MH	Start node type, manhole, reference SW-212		5158732	Comment / 0
0.00	WL	Water level 0% height/diameter		5158755	Comment / 0
					
7.67	FH	Finish survey length		5158757	Comment / 0
End Node Ref:SW-213 I/L : metres					

Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 -0.07 M Start of Survey Length, Start node type, manhole, reference SW-212, Water level 0% height/diameter		 From: SW-212 / To: SW-213 Size: 300 7.56 M Finish survey length	

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) HICAP CHANX	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 18
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-212 End Node HICAP CHANNEL Total length 2.57 metres		
Scale 1:0.10 Direction Upstream				

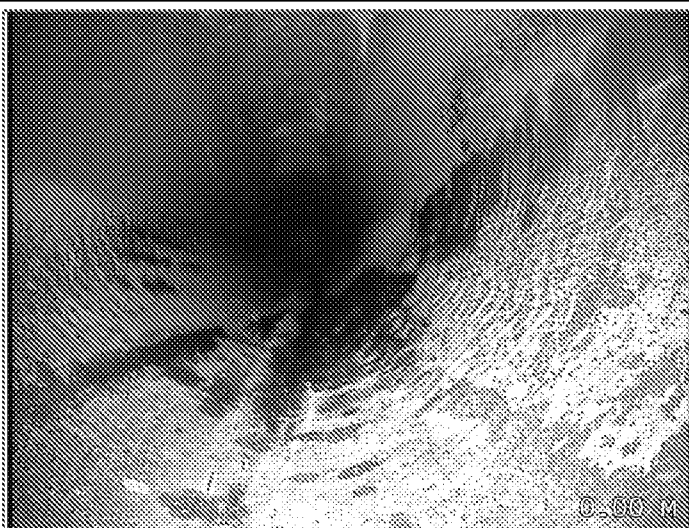


Job Number
433

Surveyed by (Operator)
Luke Clayton

Base Unit
8J5R2AEYKL

Date
08/06/2021



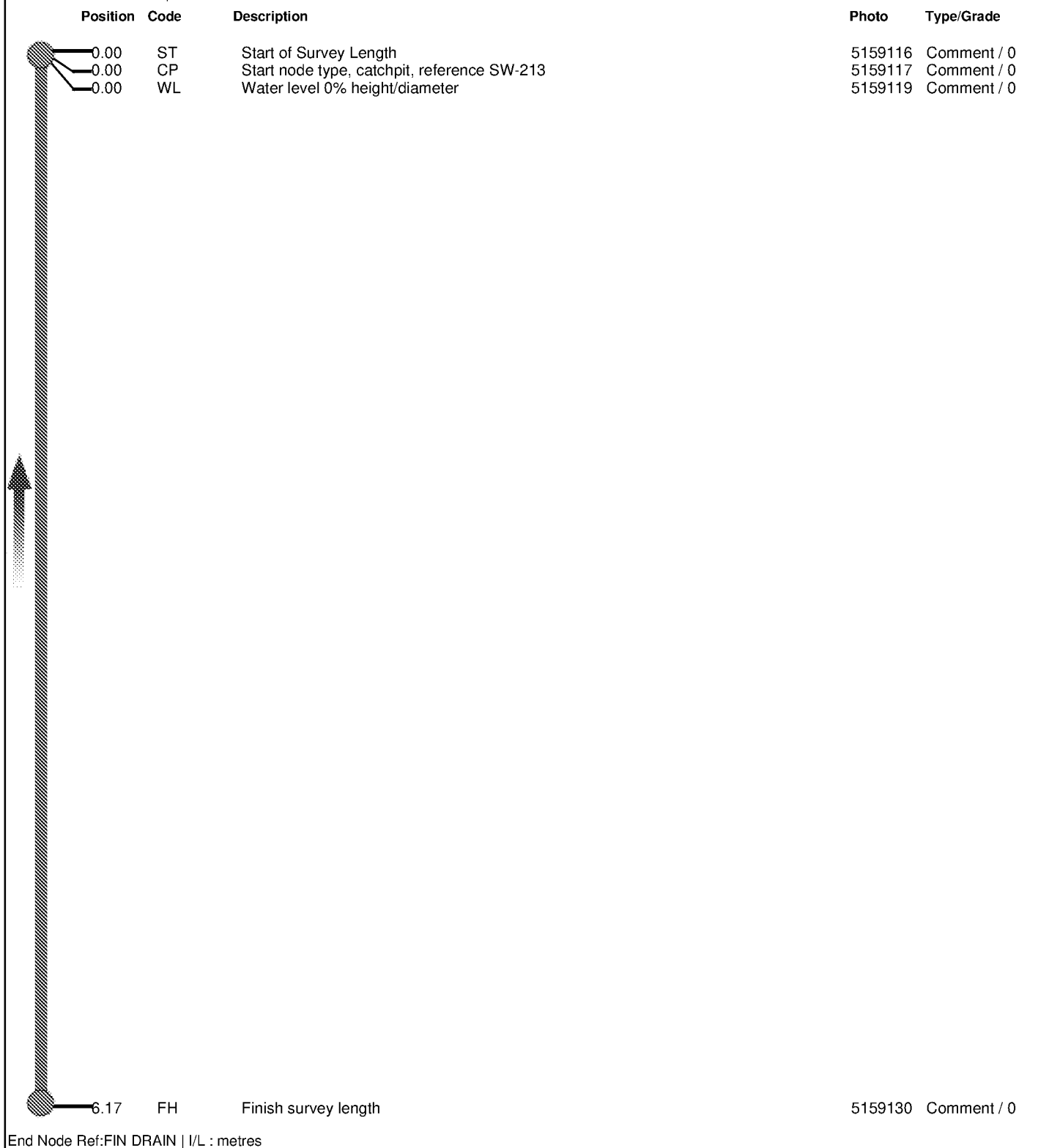
Start of Survey Length, Start node type, manhole, reference SW-212,
Water level 0% height/diameter



Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) FIN DRAIN X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 19
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 150mm Material Polyethylene Category	Start Node SW-213 End Node FIN DRAIN Total length 6.17 metres		
Scale 1:0.31 Direction Upstream				

Start Node Ref:SW-213 | I/L : metres

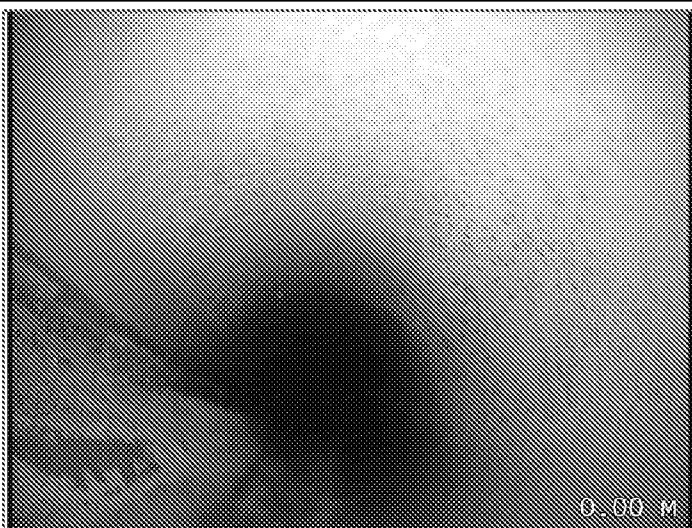


Job Number
433

Surveyed by (Operator)
Luke Clayton

Base Unit
8J5R2AEYKL

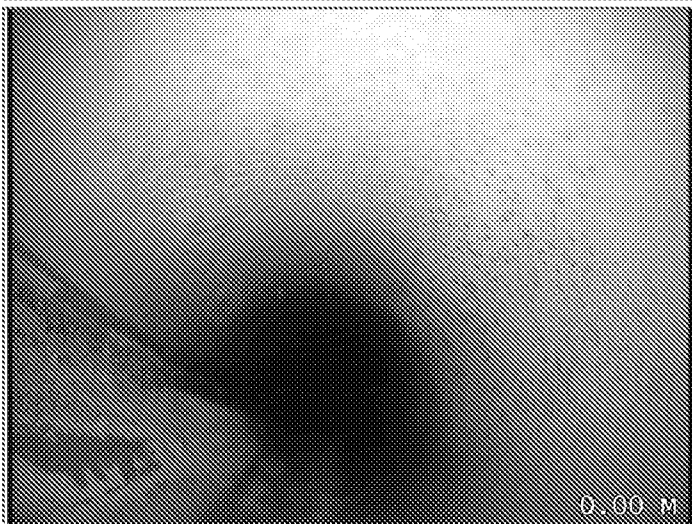
Date
08/06/2021



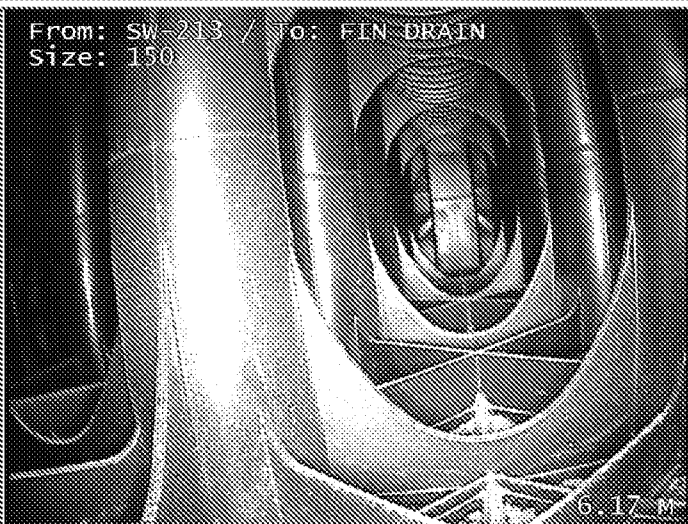
Start of Survey Length



Start node type, catchpit, reference SW-213

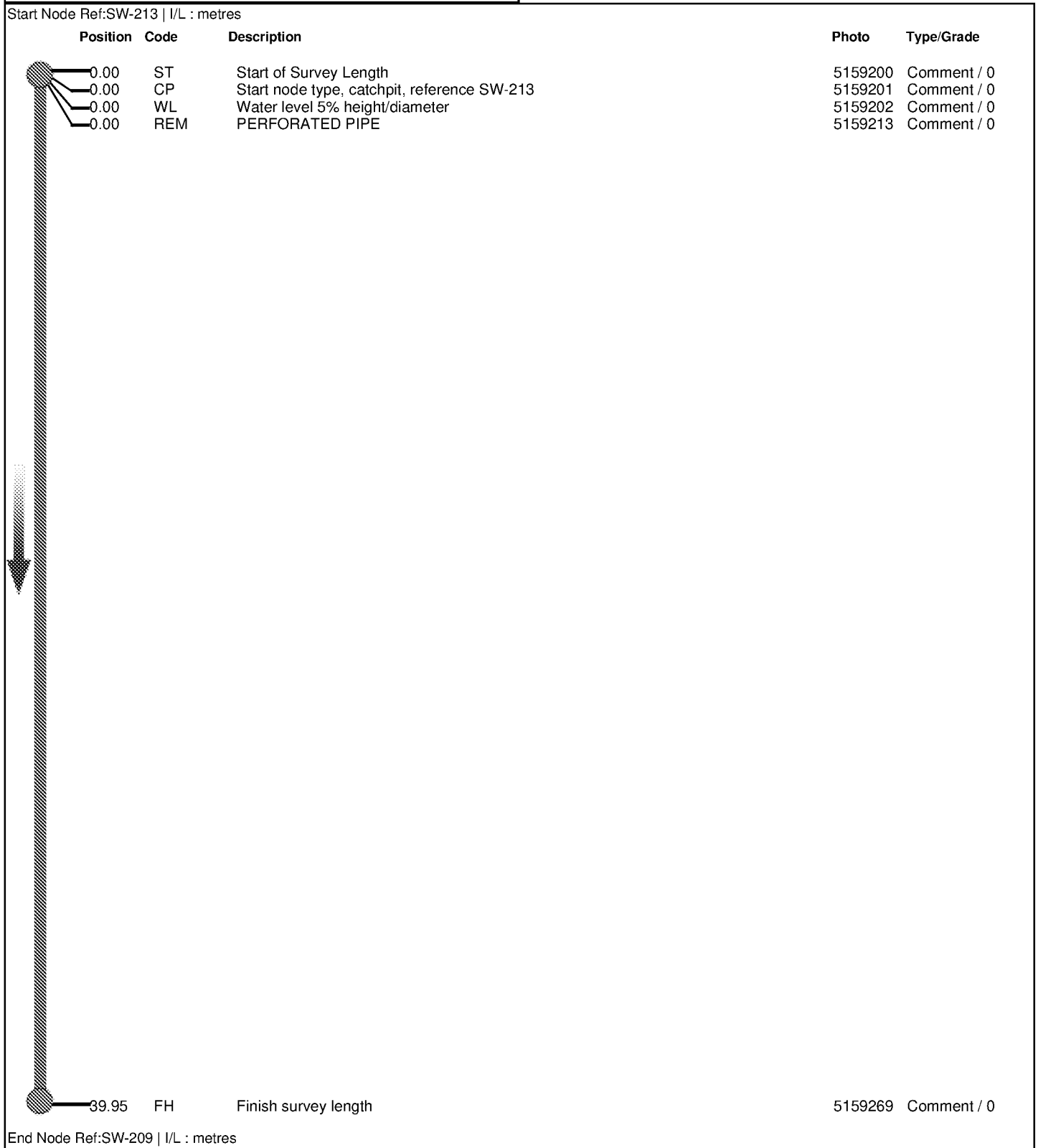


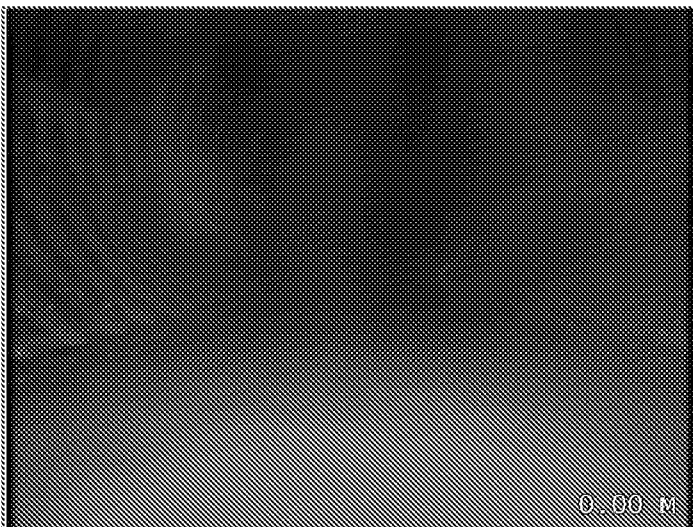
Water level 0% height/diameter



Finish survey length

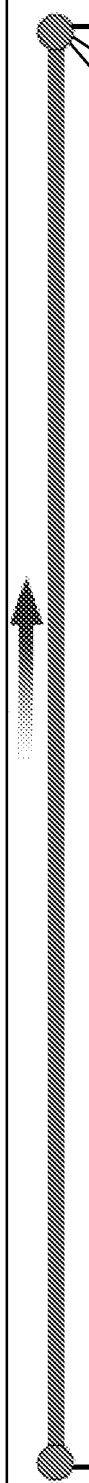
Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-213 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 20
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 450mm Material Polypropylene Category	Start Node SW-213 End Node SW-209 Total length 39.95 metres		
Scale 1:2.05 Direction Downstream				



Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 0.00 M		 0.00 M	
Start of Survey Length		Start node type, catchpit, reference SW-213	
 0.00 M		From: SW-213 / To: SW-209 Size: 450  0.00 M	
Water level 5% height/diameter		PERFORATED PIPE	
 39.95 M			
Finish survey length			

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-07 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 21
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 225mm Material Polypropylene Category	Start Node SW-209 End Node SW-07 Total length 9.05 metres		
Scale 1:0.47 Direction Upstream				

Start Node Ref:SW-209 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	ST	Start of Survey Length	5159685	Comment / 0
0.00	CP	Start node type, catchpit, reference SW-209	5159686	Comment / 0
0.00	WL	Water level 0% height/diameter	5159687	Comment / 0
				
9.05	FH	Finish survey length	5159748	Comment / 0

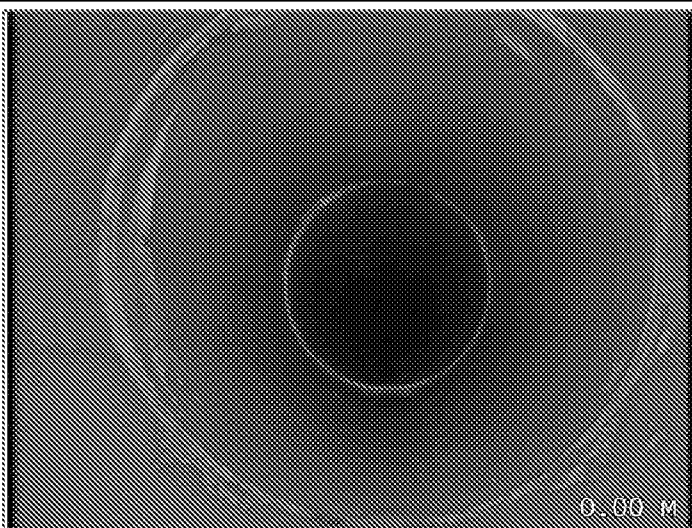
End Node Ref:SW-07 | I/L : metres | Depth: 1300 metres

Job Number
433

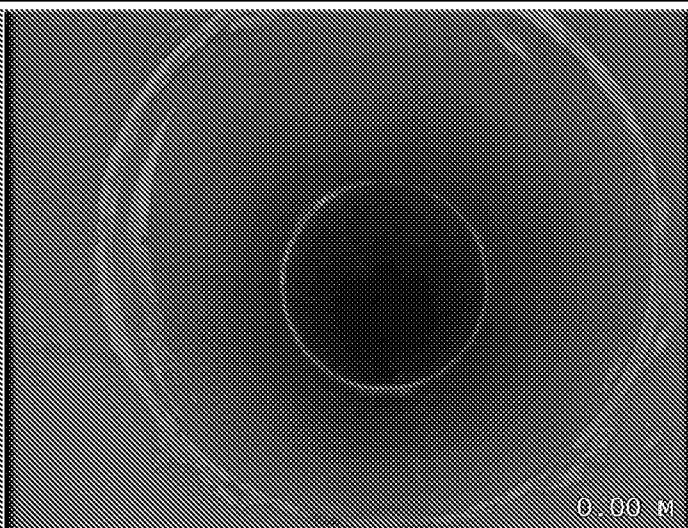
Surveyed by (Operator)
Luke Clayton

Base Unit
8J5R2AEYKL

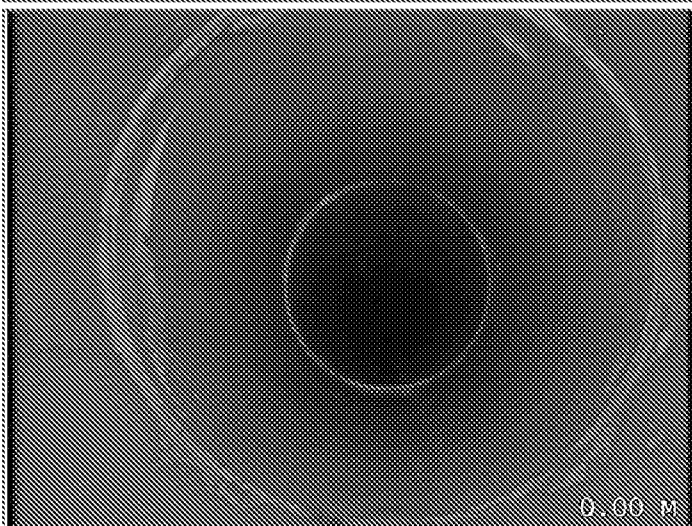
Date
08/06/2021



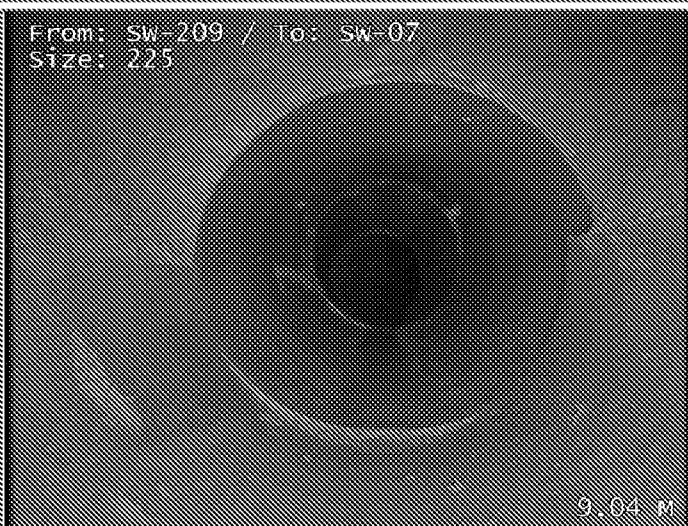
Start of Survey Length



Start node type, catchpit, reference SW-209



Water level 0% height/diameter



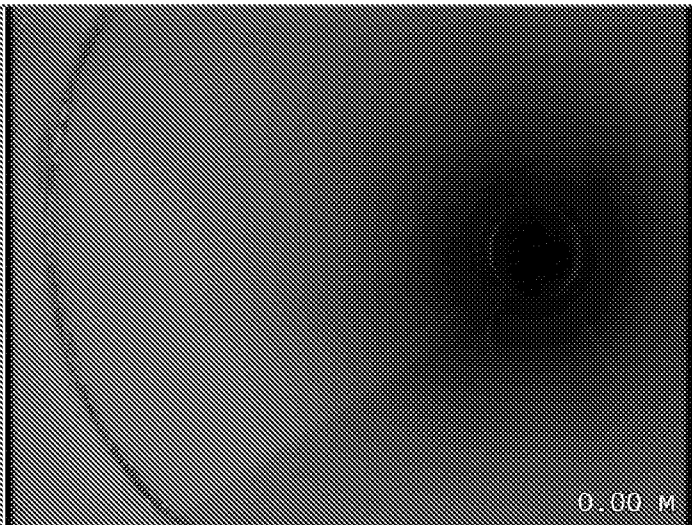
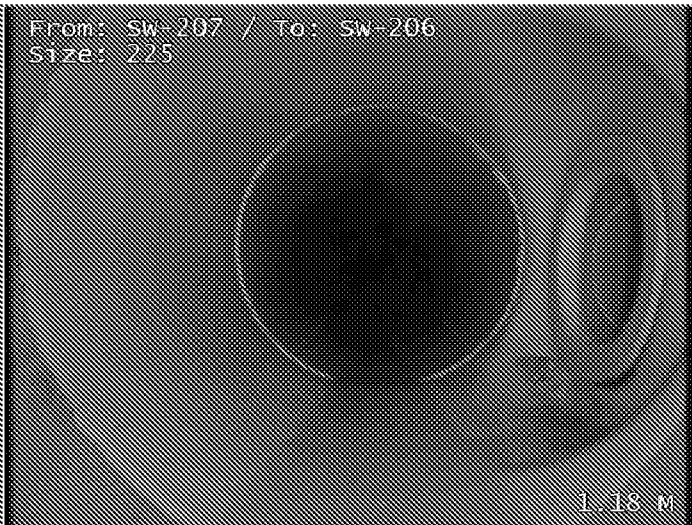
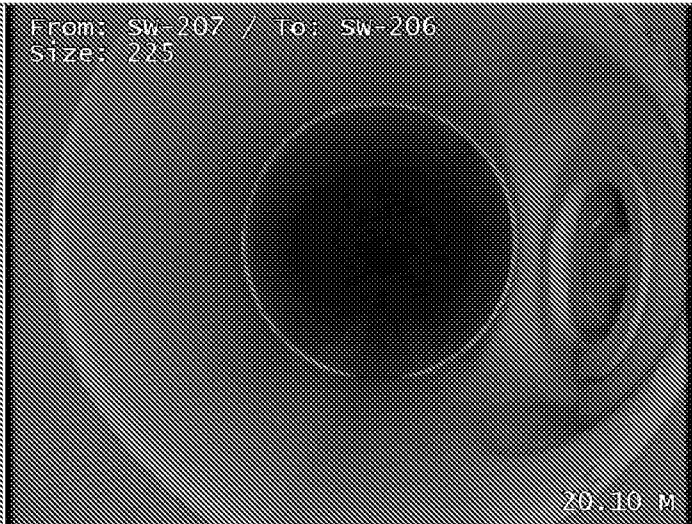
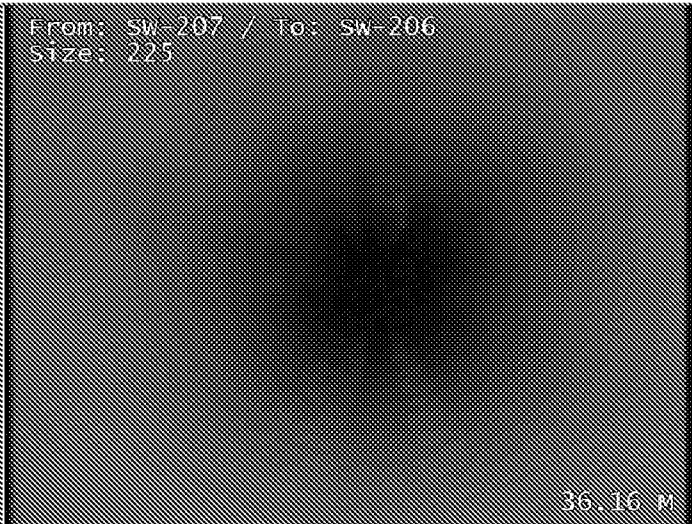
Finish survey length

Surveyed by (Operator) Luke Clayton	Job Number 433	Pipe Length Reference(PLR) SW-206 X	Date 08/06/2021	Pre Cleaned HPWJ to clean prior to survey
Weather 1 - Dry	Customer Present	Service Grade/Structural Grade 0/0	Base Unit 8J5R2AEYKL	Section Number 22
Road UNIT 2 Place Saltbox Location Shripney Way		Division District Location Details		
Purpose Duty Surface water Catchment	Shape/Size 225mm Material Polypropylene Category	Start Node SW-207 End Node SW-206 Total length 36.16 metres		
Scale 1:1.89 Direction Upstream				

Start Node Ref:SW-207 | I/L : metres | Depth: 1300 metres

Position	Code	Description	Photo	Type/Grade
0.00	ST	Start of Survey Length	5159895	Comment / 0
0.00	MH	Start node type, manhole, reference SW-207	5159896	Comment / 0
0.00	WL	Water level 0% height/diameter	5159898	Comment / 0
1.20	JN	Junction at 2 o'clock, diameter 150mm	5159902	Comment / 0
20.10	JN	Junction at 2 o'clock, diameter 150mm	5159921	Comment / 0
36.16	FH	Finish survey length - Remark: DUE TO THE FALL CRAWLER WONT PULL ANYMORE FORWARD UPSTREAM	5159992	Comment / 0

End Node Ref:SW-206 | I/L : metres

Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
 0.00 M Start of Survey Length, Start node type, manhole, reference SW-207, Water level 0% height/diameter		 From: SW-207 / To: SW-206 Size: 225 1.18 M Junction at 2 o'clock, diameter 150mm	
 From: SW-207 / To: SW-206 Size: 225 20.10 M Junction at 2 o'clock, diameter 150mm		 From: SW-207 / To: SW-206 Size: 225 36.16 M Finish survey length - Remark: DUE TO THE FALL CRAWLER WONT PULL ANYMORE FORWARD UPSTREAM	

Job Number 433				Surveyed by (Operator) Luke Clayton		Base Unit 8J5R2AEYKL			Date 08/06/2021				
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	17.74 metres	17.74		0	1	0	0
2	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	0.81 metres	0.81		0	1	0	0
3	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	3.21 metres	3.21		0	1	0	0
4	SW-200 X	D	S	450	08/06/2021	Concrete	42.56 metres	42.56		0	1	0	0
5	SW-201 X	D	S	450	08/06/2021	Concrete	46.73 metres	46.73		0	1	0	0
6	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	2.69 metres	2.69		0	1	0	0
7	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	20.07 metres	20.07		0	1	0	0
8	RECYFIX STX	U	S	150	08/06/2021	Polyethylene	14.88 metres	14.88		0	1	0	0
9	RECYFIX STX	U	S	150	08/06/2021	Polyethylene	21.17 metres	21.17		0	1	0	0
10	RECYFIX STX	U	S	150	08/06/2021	Polyethylene	10.6 metres	10.6		0	1	0	0
11	SW-201A X	U	S	450	08/06/2021	Concrete	12.19 metres	12.19		0	1	0	0
12	SW-202 X	D	S	450	08/06/2021	Concrete	0.93 metres	0.93		0	1	0	0
13	RWP X	U	S	150	08/06/2021	Polyethylene	31.64 metres	31.64		0	1	0	0
14	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	3.64 metres	3.64		0	1	0	0
15	SW-210 X	D	S	300	08/06/2021	Concrete	54.07 metres	54.07		0	1	0	0
16	SW-211 X	D	S	300	08/06/2021	Concrete	12.26 metres	12.26		0	1	0	0
17	SW-212 X	D	S	300	08/06/2021	Concrete	7.67 metres	7.67		0	1	0	0
18	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	2.57 metres	2.57		0	1	0	0
19	FIN DRAIN X	U	S	150	08/06/2021	Polyethylene	6.17 metres	6.17		0	1	0	0
20	SW-213 X	D	S	450	08/06/2021	Polypropylene	39.95 metres	39.95		0	1	0	0
21	SW-07 X	U	S	225	08/06/2021	Polypropylene	9.05 metres	9.05		0	1	0	0
22	SW-206 X	U	S	225	08/06/2021	Polypropylene	36.16 metres	36.16		0	1	0	0

Job Number 433				Surveyed by (Operator) Luke Clayton			Base Unit 8J5R2AEYKL			Date 08/06/2021			
No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	17.74 metres	17.74		0	1	0	0
2	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	0.81 metres	0.81		0	1	0	0
3	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	3.21 metres	3.21		0	1	0	0
4	SW-200 X	D	S	450	08/06/2021	Concrete	42.56 metres	42.56		0	1	0	0
5	SW-201 X	D	S	450	08/06/2021	Concrete	46.73 metres	46.73		0	1	0	0
6	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	2.69 metres	2.69		0	1	0	0
7	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	20.07 metres	20.07		0	1	0	0
8	RECYFIX STX	U	S	150	08/06/2021	Polyethylene	14.88 metres	14.88		0	1	0	0
9	RECYFIX STX	U	S	150	08/06/2021	Polyethylene	21.17 metres	21.17		0	1	0	0
10	RECYFIX STX	U	S	150	08/06/2021	Polyethylene	10.6 metres	10.6		0	1	0	0
11	SW-201A X	U	S	450	08/06/2021	Concrete	12.19 metres	12.19		0	1	0	0
12	SW-202 X	D	S	450	08/06/2021	Concrete	0.93 metres	0.93		0	1	0	0
13	RWP X	U	S	150	08/06/2021	Polyethylene	31.64 metres	31.64		0	1	0	0
14	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	3.64 metres	3.64		0	1	0	0
15	SW-210 X	D	S	300	08/06/2021	Concrete	54.07 metres	54.07		0	1	0	0
16	SW-211 X	D	S	300	08/06/2021	Concrete	12.26 metres	12.26		0	1	0	0
17	SW-212 X	D	S	300	08/06/2021	Concrete	7.67 metres	7.67		0	1	0	0
18	HICAP CHANX	U	S	150	08/06/2021	Polyethylene	2.57 metres	2.57		0	1	0	0
19	FIN DRAIN X	U	S	150	08/06/2021	Polyethylene	6.17 metres	6.17		0	1	0	0
20	SW-213 X	D	S	450	08/06/2021	Polypropylene	39.95 metres	39.95		0	1	0	0
21	SW-07 X	U	S	225	08/06/2021	Polypropylene	9.05 metres	9.05		0	1	0	0
22	SW-206 X	U	S	225	08/06/2021	Polypropylene	36.16 metres	36.16		0	1	0	0

Job Number 433	Surveyed by (Operator) Luke Clayton	Base Unit 8J5R2AEYKL	Date 08/06/2021
1: Occurences without damage. For example, laterals, joints, etc. NO DEFECTS WERE DETECTED.			
2: Constructional deficiencies or occurences with insignificant influence to tightness, hydraulic or static pressure or pipe: Eg. wide joints, badly torched intakes, minor deformation of plastic pipes, minor erosions etc. REHABILITATION CAN BE SCHEDULED LONG-TERM.			
3: Constructional deficiencies diminishing static, hydraulic and tightness: Eg. untorched intakes, cracks, minor drainage obstructions such as calcite build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc. REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 3 TO 5 YEARS.			
4: Constructional damages with insufficient static safety, hydraulic or tightness: Eg. axial/radial pipe bursts, pipe deformations, visually noticeable infiltration/exfiltration, cavities, in pipe-wall, severe protruding, laterals severe root penetrations, severe corrosion of pipe wall etc. REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED.			
5: Pipe is already or will shortly be impermeable: Eg. collapsed pipe, deeply rooted pipe or other drainage obstructions. Pipe loses water or danger of backwater in basements etc. REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.			