## **Profile/Photo Observation Report**



Date: 09/15/2021 **PACP 7.0** Weather: Coding: Pipe Length (ft): 318.3 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-504-053-052 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 09/07/2021 Shape: C

Street: North Guyer Street Flow Control: Not Controlled

City: Hobart, IN Year Renewed:
Location: Local rural streets with light traffic, t Tape/Media #:

Purpose:Routine AssessmentDia/Height:12"Use:Sanitary Sewage PipeMaterial:CPDrain Area:Lining:None

Category: NA

Comment:

Location Details: Direction of Survey: **Downstream** 

US MH: M-504-052 DS MH: M-504-053 Total Length Surveyed (ft): 318.3

2.09 372M 167.00 O&M Index: O&M Quick: O&M Rating: 3.00 39.00 Structural Quick: Structural Rating: Structural Index: 2.22 206.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
M(504-	052				
	0.	AMH	Manhole	1	NA
- 11	1/.0	MWL	Miscellaneous Water Level	66	NA
- 11	7.0	DSF(S02)	Deposits Settled Fine	140	M 2
ш	15.9	CS	Crack Spiral	217	S 2
- 11	15.9	DAE	Deposits Attached Encrustation	231	M 2
- 11	25.2	CS	Crack Spiral	339	S 2
-11	25.2	DAE	Deposits Attached Encrustation	351	M 2
- 11	√\31.2	CS	Crack Spiral	417	S 2
	41.0	OBZ	Obstruction Other	504	M 2
s	49.3	FM	Fracture Multiple	625	S 4
Ţ <u></u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MMC	Miscellaneous Material Change	681	NA
ig	57.6	TFA	Tap Factory Activity	737	NA
Camera Direction	60.4	TF	Tap Factory	775	NA
Car	90.8	TF	Tap Factory	899	NA
ш	93.5	MMC	Miscellaneous Material Change	970	NA
	94.3	MMC	Miscellaneous Material Change	1018	NA
<b>↓</b>	95.9	TF	Tap Factory	1072	NA
	107.2	В	Broken	1195	S 4
- 111	107.6	TBI	Tap Break-in Intruding	1216	M 2

130.3	MMC	Miscellaneous Material Change	1376	NA
/131.1	RML	Roots Medium Lateral	1420	M 3
// 131.1	TFD	Tap Factory Defective	1444	M 3
133.6	TFD	Tap Factory Defective	1490	M 3
134.5	MMC	Miscellaneous Material Change	1538	NA
134.5	FL	Fracture Longitudinal	1560	S 3
149.5	FL	Fracture Longitudinal	1638	S 3
152.0	ТВІ	Tap Break-in Intruding	1701	M 2
167.5	MMC	Miscellaneous Material Change	1793	NA
168.6	TFI	Tap Factory Intruding	1844	M 2
	В	Broken	1925	S 4
170.7	TFD	Tap Factory Defective	1952	M 3
171.6	MMC	Miscellaneous Material Change	2005	NA
171.8	CS	Crack Spiral	2081	S 2
171.8	FM	Fracture Multiple	2104	S 4
198.9	FM	Fracture Multiple	2318	S 4
198.9	DAE	Deposits Attached Encrustation	2349	M 2
201.9	MMC	Miscellaneous Material Change	2403	NA
202.9	TFD	Tap Factory Defective	2437	M 3
205.1	TFD	Tap Factory Defective	2482	M 3
205.1	CL	Crack Longitudinal	2528	S 2
206.0	MMC	Miscellaneous Material Change	2579	NA
245.2	MMC	Miscellaneous Material Change	2767	NA
246.0	TF	Tap Factory	2794	NA
248.3	DAE	Deposits Attached Encrustation	3011	M 2
248.3	TF	Tap Factory	3027	NA
249.3	MMC	Miscellaneous Material Change	3095	NA
285.3	MMC	Miscellaneous Material Change	3279	NA
286.4	TFD	Tap Factory Defective	3324	M 3
// 288.4	TF	Tap Factory	3373	NA
// 289.4	MMC	Miscellaneous Material Change	3421	NA
289.4	FL	Fracture Longitudinal	3437	S 3
308.2	TBI	Tap Break-in Intruding	3586	M 2
/308.3	OBZ(S01)	Obstruction Other	3693	M 2
316.1	OBZ(F01)	Obstruction Other	3757	M 2
//316.1	DSF(F02)	Deposits Settled Fine	3766	M 2
318.3	АМН	Manhole	3867	NA



Code: AMH
Description: Manhole

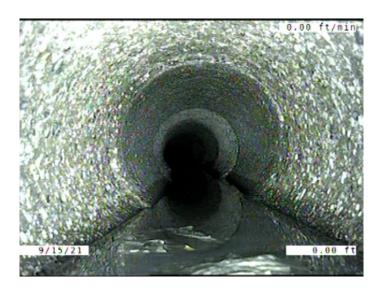
Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: M-504-052



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

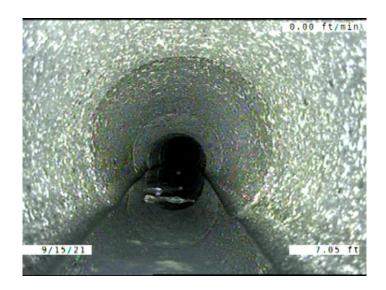
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: **DSF** 

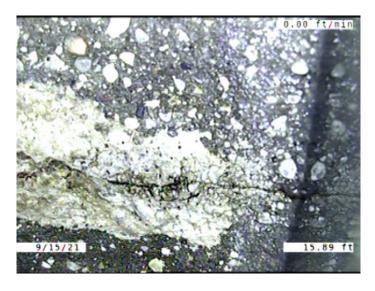
Description: Deposits Settled Fine

Distance (ft): 7.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S02
Within 8" of Joint: YES

Remarks:



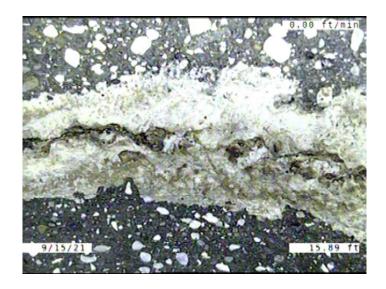
Code: CS

Description: Crack Spiral

NO

Distance (ft): 15.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 15.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3

1st Value: 2nd Value:

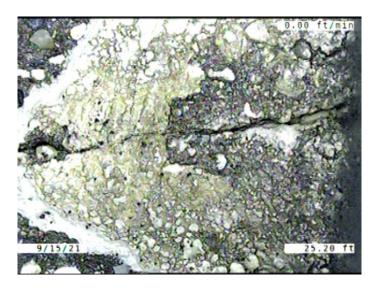
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: CS

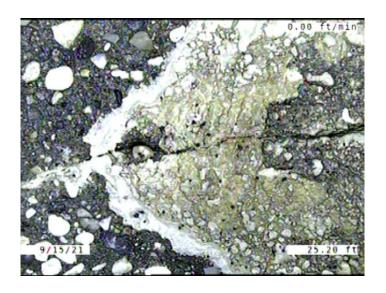
Description: Crack Spiral

Distance (ft): 25.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 25.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 3
Clock To: 4

1st Value: 2nd Value:

Value Percent: 5.000

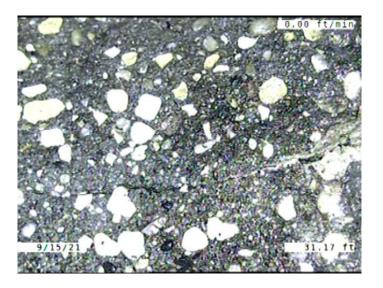
Continuous Index:

Within 8" of Joint:

Remarks:

NO

YES



Code: CS

Description: Crack Spiral

Distance (ft): 31.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:



Code: OBZ

Description: Obstruction Other

Distance (ft): 41.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8

1st Value: 2nd Value:

Value Percent: 10.000

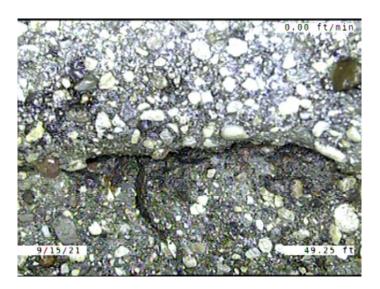
Continuous Index:

Within 8" of Joint: NO

Remarks: UNKNOWN DEBRIS UNDER THE

**FLOW** 

YES



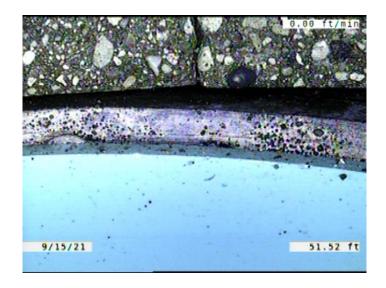
Code: **FM** 

Description: Fracture Multiple

Distance (ft): 49.3
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint:

Continuous Index:



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 51.5
Structural Grade: 0

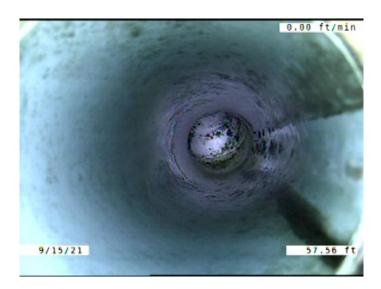
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: CONCRETE TO PVC



Code: TFA

Description: Tap Factory Activity

Distance (ft): 57.6
Structural Grade: 0

O&M Grade: 0

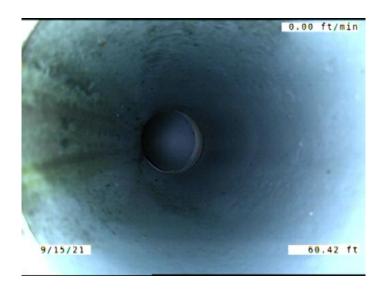
Clock Start/From: 2

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: **TF** 

Description: Tap Factory

Distance (ft): 60.4
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 11

Clock To:

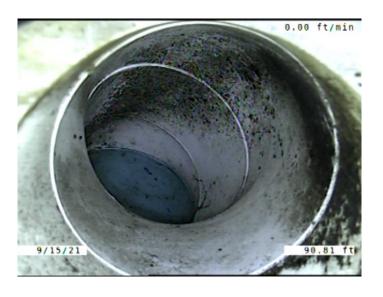
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TF** 

Description: Tap Factory

Distance (ft): 90.8
Structural Grade: 0

O&M Grade: 0

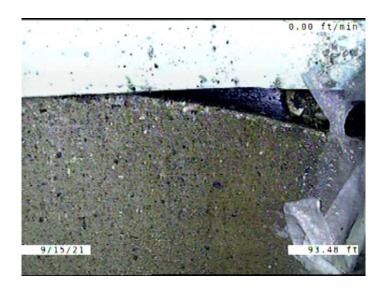
Clock Start/From: 11

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 93.5
Structural Grade: 0

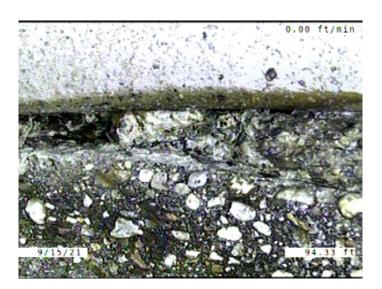
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: PVC TO VCP



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 94.3
Structural Grade: 0

O&M Grade: 0

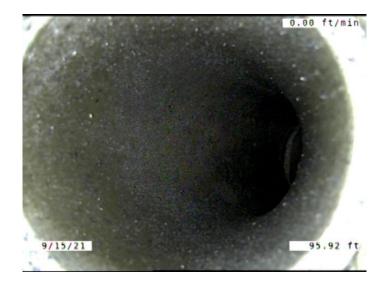
Clock Start/From:

Clock To:

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: VCP TO CONCRETE



Code: TF
Description: Tap Factory

Distance (ft): 95.9
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 1

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



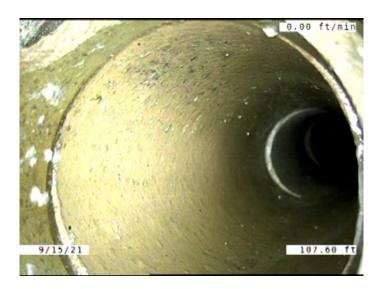
Code: B
Description: Broken

Distance (ft): 107.2
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 2
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: Remarks:

Continuous Index:

YES



Code: **TBI** 

Description: Tap Break-in Intruding

Distance (ft): 107.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1

Clock To:

 1st Value:
 4.000

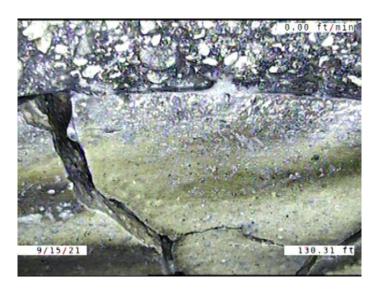
 2nd Value:
 1.000

Value Percent:

Continuous Index:

Within 8" of Joint: NO

Remarks: Broken near connection



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 130.3
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: CONCRETE TO VCP



Code: RML

Description: Roots Medium Lateral

Distance (ft): 131.1
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 9
Clock To: 11

1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 131.1
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

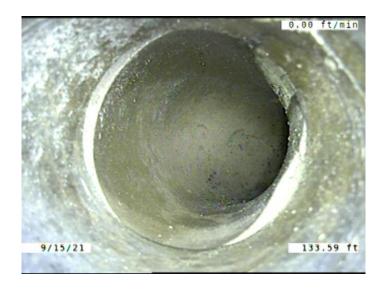
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: 100% PLUGGED WITH ROOTS



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 133.6
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

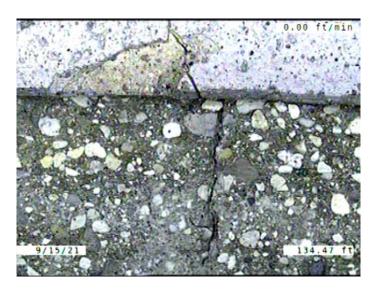
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective** 



Code: MMC

Description: Miscellaneous Material Change

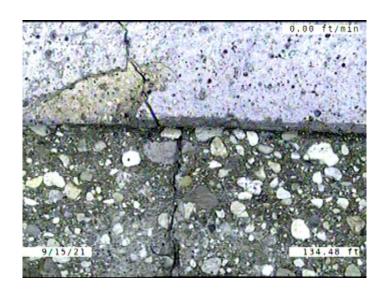
Distance (ft): 134.5
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: VCP TO CONCRETE



Code: FL

Description: Fracture Longitudinal

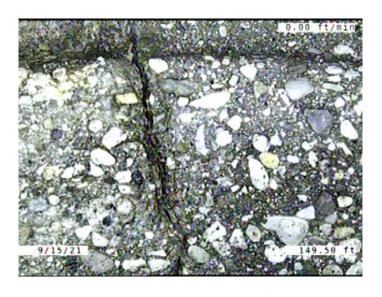
Distance (ft): 134.5
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 12

Clock To:
1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



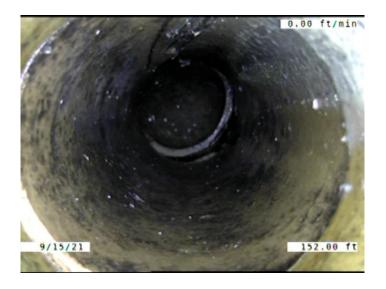
Code: FL

Description: Fracture Longitudinal

Distance (ft): 149.5
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 9
Clock To:
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 152.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 12

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

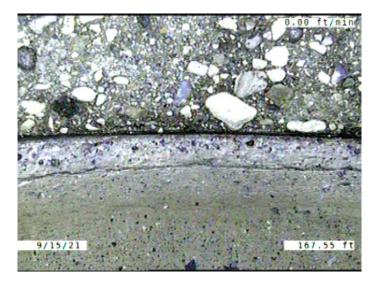
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: MMC

Description: Miscellaneous Material Change

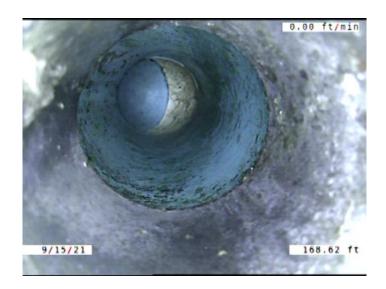
Distance (ft): 167.5
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: CONCRETE TO VCP



Code: **TFI** 

Description: Tap Factory Intruding

Distance (ft): 168.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 11

Clock To:

 1st Value:
 4.000

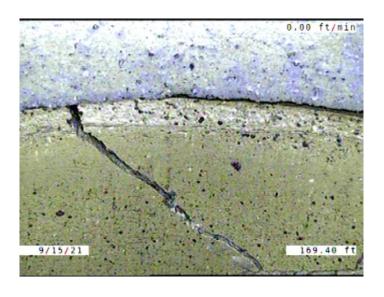
 2nd Value:
 2.000

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **B** 

Description: Broken

Distance (ft): 169.4
Structural Grade: 4

O&M Grade: 0

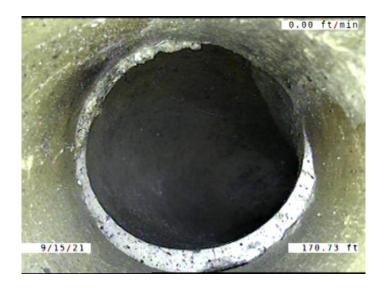
Clock Start/From: 10

Clock To: 5

1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 170.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

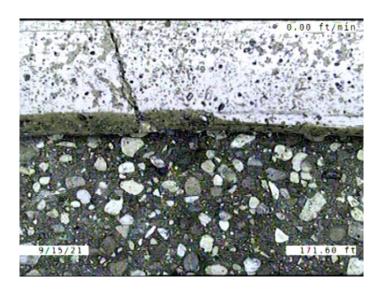
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective** 



Code: MMC

Description: Miscellaneous Material Change

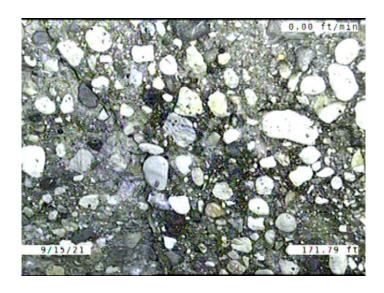
Distance (ft): 171.6
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: VCP TO CONCRETE



Code: CS

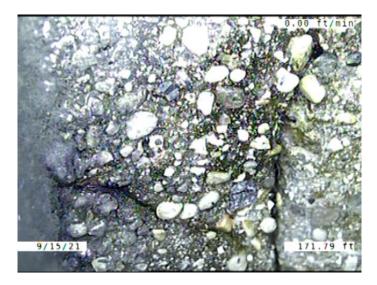
Description: Crack Spiral

Distance (ft): 171.8
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To: 4

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:



Code: FM

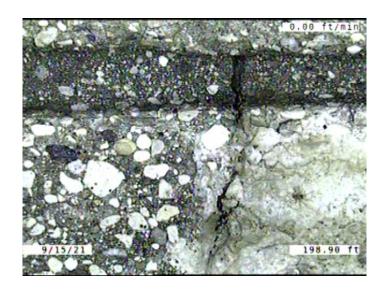
Description: Fracture Multiple

YES

Distance (ft): 171.8
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 7
Clock To: 9
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: **FM** 

Description: Fracture Multiple

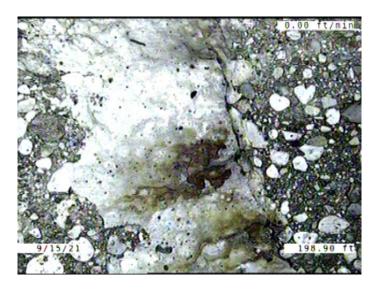
Distance (ft): 198.9
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 10
Clock To: 3

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 198.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3
1st Value:

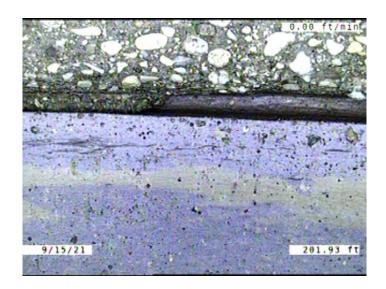
Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 201.9
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: CONCRETE TO VCP



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 202.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

Clock To:

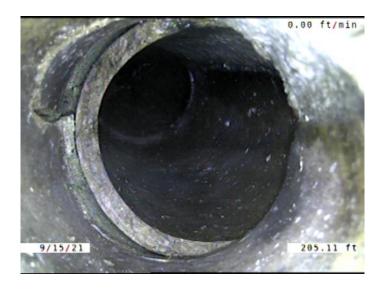
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: SOIL VISIBLE. FIRST JOINT BACK HAS

A LARGE OFFSET



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 205.1
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

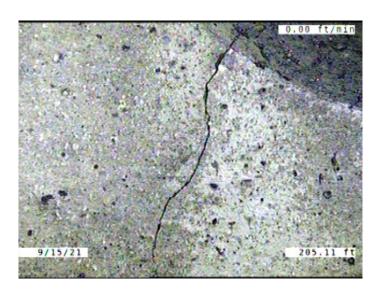
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective** 



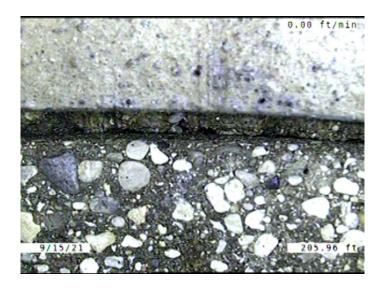
Code: CL

Description: Crack Longitudinal

Distance (ft): 205.1
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To:
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: MMC

Description: Miscellaneous Material Change

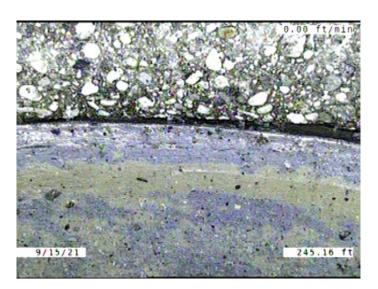
Distance (ft): 206.0
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: VCP TO CONCRETE



Code: MMC

Description: Miscellaneous Material Change

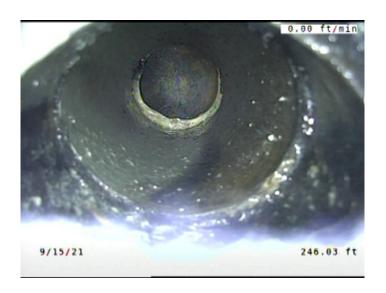
Distance (ft): 245.2
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: CONCRETE TO VCP



Code: **TF** 

Description: Tap Factory

Distance (ft): 246.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

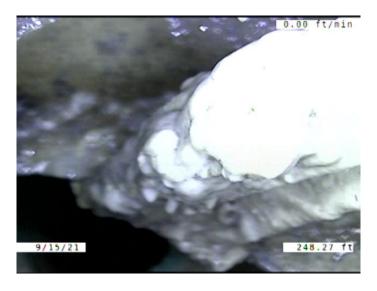
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

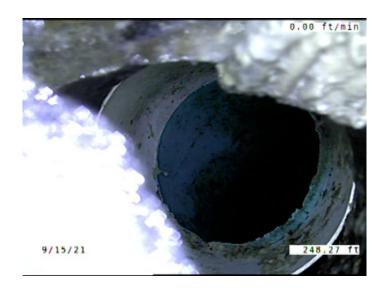
Distance (ft): 248.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES



Code: **TF** 

Description: Tap Factory

Distance (ft): 248.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

Clock To:

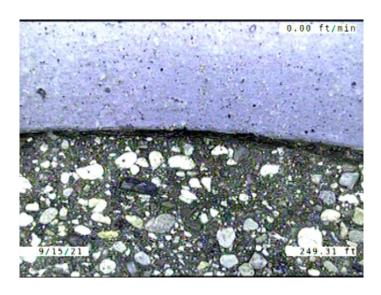
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 249.3
Structural Grade: 0

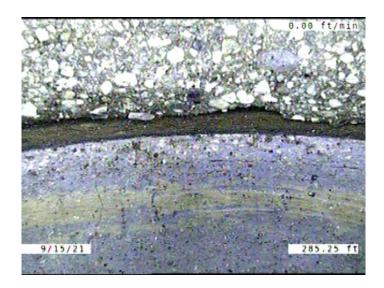
O&M Grade: 0

Clock Start/From:

Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: VCP TO CONCRETE



Code: MMC

Description: Miscellaneous Material Change

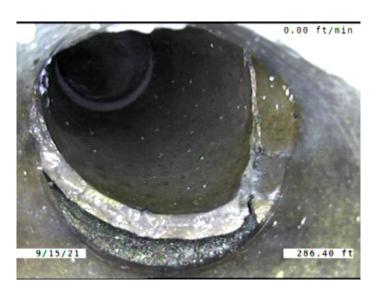
Distance (ft): 285.3
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: CONCRETE TO VCP



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 286.4
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 11

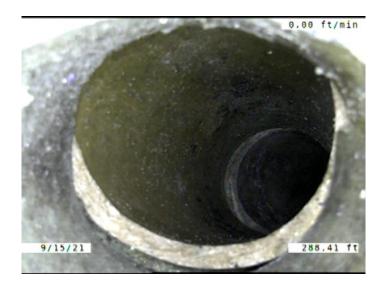
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective** 



Code: TF

Description: **Tap Factory** 

Distance (ft): 288.4 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 1

Clock To:

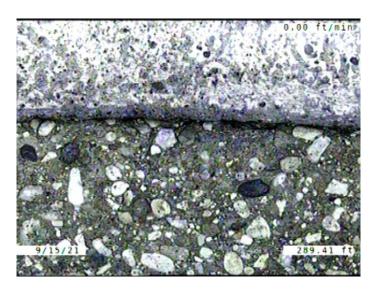
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MMC

Description: **Miscellaneous Material Change** 

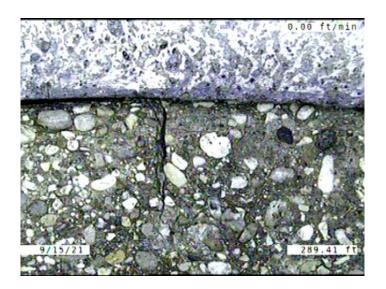
Distance (ft): 289.4 Structural Grade: 0 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

**VCP TO CONCRETE** Remarks:



Code: FL

Description: Fracture Longitudinal

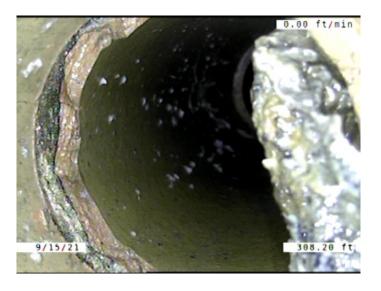
Distance (ft): 289.4
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 11

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 308.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: Broken near connection



Code: OBZ

Description: Obstruction Other

Distance (ft): 308.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S01
Within 8" of Joint: YES
Remarks: STICK



Code: OBZ

Description: Obstruction Other

Distance (ft): 316.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 7
1st Value:
2nd Value:

Value Percent: 5.000
Continuous Index: F01
Within 8" of Joint: YES
Remarks: STICK



Code: **DSF** 

Description: Deposits Settled Fine

Distance (ft): 316.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F02
Within 8" of Joint: YES

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 318.3
Structural Grade: 0

O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: M-504-053