## **Profile/Photo Observation Report**



Date: 09/30/2018 Weather: Coding: **PACP 6.0** Pipe Length (ft): 302.1 Owner: NA Pre Clean: **Not Known** P.O.#: Surveyor: Selasie Honu PSR: P-503-029-030

Customer: Clean Date: 01/01/1900 Shape: C

Street: Delaware St. Flow Control: Not Controlled

City: Hobart, IN Year Renewed: Location: Light Highway Tape/Media #:

Purpose:Routine AssessmentDia/Height:10"Use:SanitaryMaterial:CPDrain Area:NALining:Other

Category: NA

Comment:

Location Details: Direction of Survey: **Upstream** 

US MH: M-503-030 DS MH: M-503-029 Total Length Surveyed (ft): 144.6

2.00 312D 54.00 O&M Index: O&M Quick: O&M Rating: 3.03 5241 109.00 Structural Index: Structural Quick: Structural Rating: 2.59 5241 163.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
л <del>(</del> 503-)0	29				
	0.	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	1.7	IS(S01)	Infil Stain	36	NA
-	\\1.7	SAV(S02)	Surface Aggregate Visible	47	S 3
ш	5.3	DSZ(S03)	Deposits Settled Other	64	M 2
ш	18.6	IS(F01)	Infil Stain	102	NA
ш	/22.9	IS	Infil Stain	121	NA
	//26.3	FS	Fracture Spiral	140	S 3
	//26.3	TF	Tap Factory	151	NA
: [/	26.3	MMC	Material Change	162	NA
	26.3	SAV(F02)	Surface Aggregate Visible	172	S 3
	29.3	MMC	Material Change	188	NA
	29.4	FL	Fracture Longitudinal	199	S 3
	29.4	SAV(S04)	Surface Aggregate Visible	209	S 3
Ш	31.8	IS	Infil Stain	225	NA
ш	44.4	CL	Crack Longitudinal	261	S 2
	44.4	SAV(F04)	Surface Aggregate Visible	272	S 3
ш	// 44.4	MMC	Material Change	282	NA
	45.5	TFC	Tap Factory Capped	297	NA

Tuesday, December 8, 2020

47.4	MMC	Material Change	313	NA
47.4	SAV(S05)	Surface Aggregate Visible	323	S 3
54.0	DSZ(F03)	Deposits Settled Other	346	M 2
56.9	ТВ	Tap Break-in	363	NA
62.1	IS	Infil Stain	385	NA
/ 64.9	IS	Infil Stain	402	NA
//71.2	RFJ	Roots Fine Joint	426	M 1
<sup>/</sup> / <sub> 74.3</sub>	DAE	Deposits Attached Encrustation	443	M 2
/ //80.6	SAV(F05)	Surface Aggregate Visible	467	S 3
80.6	MMC	Material Change	477	NA
	TFD	Tap Factory Defective	488	M 2
80.9	В	Broken	500	S 5
80.9	HVV	Hole Void Visible	511	S 5
83.5	MMC	Material Change	527	NA
/ <sub>83.5</sub>	SAV(S06)	Surface Aggregate Visible	538	S 3
// <del>85.1</del>	DAE	Deposits Attached Encrustation	552	M 2
// <u>85.1</u>	FC	Fracture Circumferential	563	S 2
89.6	DAE	Deposits Attached Encrustation	583	M 2
89.7	FM	Fracture Multiple	595	S 4
92.7	FL	Fracture Longitudinal	612	S 3
92.7	DAE	Deposits Attached Encrustation	623	M 2
98.2	IS	Infil Stain	645	NA
98.7	SAV(F06)	Surface Aggregate Visible	657	S 3
98.7	MMC	Material Change	667	NA
100.0	TFC	Tap Factory Capped	682	NA
101.5	DAE	Deposits Attached Encrustation	697	M 3
101.9	MMC	Material Change	709	NA
101.9	SAV(S07)	Surface Aggregate Visible	719	S 3
104.6	DAE(S08)	Deposits Attached Encrustation	735	M 2
115.5	ТВ	Tap Break-in	767	NA
123.2	DAE	Deposits Attached Encrustation	793	M 2
/123.2	FC	Fracture Circumferential	803	S 2
129.3	DAE	Deposits Attached Encrustation	826	M 2
/ 129.3	FC	Fracture Circumferential	836	S 2
// 135.0	SAV(F07)	Surface Aggregate Visible	859	S 3
// 135.0	MMC	Material Change	869	NA
// 136.2	TF	Tap Factory	884	NA
// 138.3	MMC	Material Change	901	NA
// 138.3	SAV(S09)	Surface Aggregate Visible	911	S 3
/ <del>144</del> .0	DAE(F08)	Deposits Attached Encrustation	933	M 2
/144.6	SAV(F09)	Surface Aggregate Visible	945	S 3
144.6	MSA	Abandoned Survey	955	NA



Code: AMH Description: Manhole

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

Within 8" of Joint: NO

Remarks: M-503-029



Code: MWL Description: **Water Level** 

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

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index:

Within 8" of Joint:

NO



Code: IS

Description: Infil Stain

Distance (ft): 1.7
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:

1st Value: 2nd Value: Value Percent:

Continuous Index: **S01**Within 8" of Joint: **YES** 

Remarks:

Code: SAV

Description: Surface Aggregate Visible



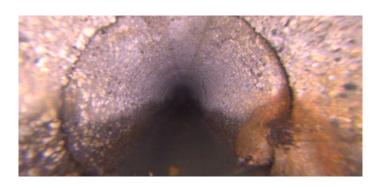
Distance (ft): 1.7
Structural Grade: 3
O&M Grade: 0

Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value: Value Percent:

Continuous Index: **S02** 

Within 8" of Joint:



Code: DSZ

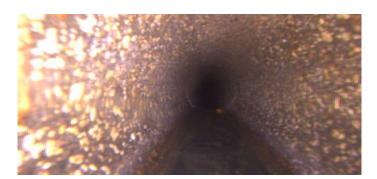
Description: Deposits Settled Other

Distance (ft): 5.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:

2nd Value:

Value Percent: 5.000
Continuous Index: S03
Within 8" of Joint: NO

Remarks: debris evident below water level



Code: IS

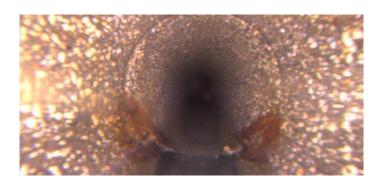
Description: Infil Stain

Distance (ft): 18.6
Structural Grade: 0
O&M Grade: 7
Clock Start/From: 5
1st Value: 2nd Value:

Continuous Index: F01
Within 8" of Joint: YES

Remarks:

Value Percent:



Code: IS

Description: Infil Stain

Distance (ft): 22.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:
Continuous Index:

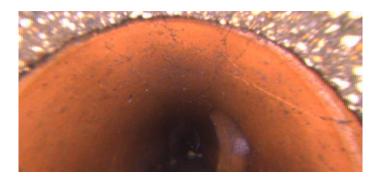
Within 8" of Joint:

Remarks:

Code: FS

Description: Fracture Spiral

YES

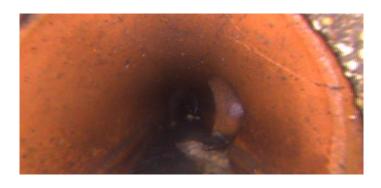


Distance (ft): 26.3
Structural Grade: 3

O&M Grade: 0
Clock Start/From: 12
Clock To: 2

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

Within 8" of Joint: YES



Code: **TF** 

Description: Tap Factory

Distance (ft): 26.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 3

Clock To:

1st Value:

2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks:

Code: MMC

Description: Material Change

4.000



Distance (ft): 26.3 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



Code: SAV

Description: Surface Aggregate Visible

Distance (ft): 26.3
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

F02



Code: MMC

Description: Material Change

Distance (ft): 29.3
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: CP (non-reinforced)



Code: FL

Description: Fracture Longitudinal

Distance (ft): 29.4
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:

Remarks:

YES



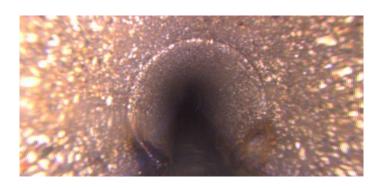
Code: SAV

Description: Surface Aggregate Visible

Distance (ft): 29.4
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Continuous Index: **S04** 

Within 8" of Joint:



Code: IS

Description: Infil Stain

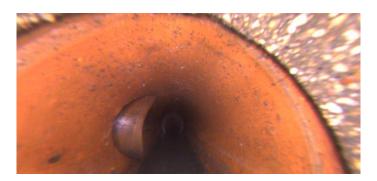
Distance (ft): 31.8
Structural Grade: 0
O&M Grade: 7
Clock Start/From: 5
1st Value:

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

Within 8" of Joint:

Remarks:

YES



Code: CL

Description: Crack Longitudinal

Distance (ft): 44.4
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To: 1st Value: 2nd Value: Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: SAV

Description: Surface Aggregate Visible

Distance (ft): 44.4
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

F04



Code: MMC

Description: Material Change

Distance (ft): 44.4
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 Remarks: VCP



Code: TFC

Description: Tap Factory Capped

4.000

Distance (ft): 45.5
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9

Clock To:

1st Value:

2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks:



Description: Material Change



Distance (ft): 47.4
Structural Grade: 0

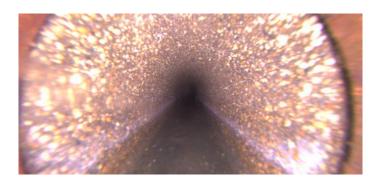
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: CP (non-reinforced)



Code: SAV

Description: Surface Aggregate Visible

Distance (ft): 47.4
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:

1st Value: 2nd Value: Value Percent:

Continuous Index:

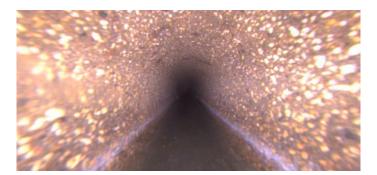
Within 8" of Joint:

Remarks:

Code: DSZ

Description: Deposits Settled Other

**S05** 



Distance (ft): 54.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:

2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
NO

Remarks: debris evident below water level



Code: TB

Description: Tap Break-in

6.000

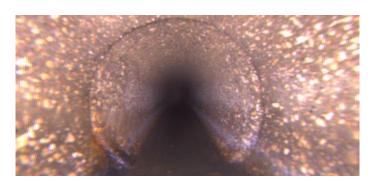
Distance (ft): 56.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9

Clock To:

1st Value:

2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks:

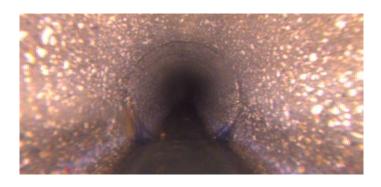


Code: IS

Description: Infil Stain

Distance (ft): 62.1
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 7
Clock To: 8
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: IS

Description: Infil Stain

Distance (ft): 64.9
Structural Grade: 0

O&M Grade: 7

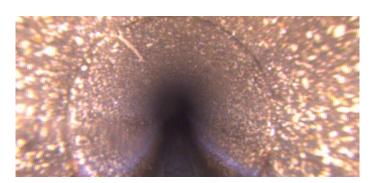
Clock Start/From: 5

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 71.2
Structural Grade: 0

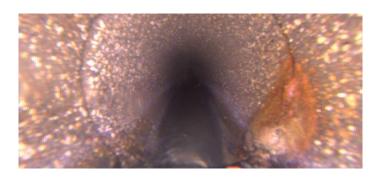
O&M Grade: 1

Clock Start/From: 11

Clock To:

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

Within 8" of Joint: YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 74.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 3
Clock To: 5
1st Value:

2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SAV

Description: Surface Aggregate Visible

Distance (ft): 80.6
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Continuous Index: F05

Within 8" of Joint:



Code: MMC

Description: Material Change

Distance (ft): 80.6
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

Code: **TFD** 

Description: Tap Factory Defective

4.000



Distance (ft): 80.7
Structural Grade: 0

O&M Grade: 2

Clock Start/From: **3** Clock To:

1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks: **HVV** 



Code: B
Description: Broken

Distance (ft): 80.9
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 12
Clock To: 5

Clock To:

1st Value:

2nd Value:

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

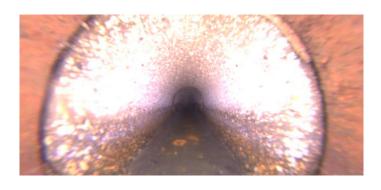
Code: **HVV** 

Description: Hole Void Visible



Distance (ft): 80.9
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 12
Clock To: 2

1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:



Code: MMC

Description: Material Change

Distance (ft): 83.5
Structural Grade: 0

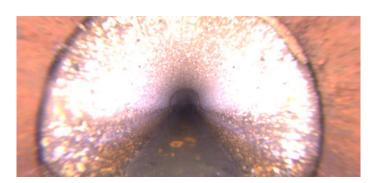
O&M Grade: 0

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

Clock Start/From:

Continuous Index: Within 8" of Joint:

Remarks: CP (non-reinforced)



Code: SAV

Description: Surface Aggregate Visible

NO

Distance (ft): 83.5
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Continuous Index: **S06** 

Within 8" of Joint:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 85.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: FC

Description: Fracture Circumferential

Distance (ft): 85.1
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Remarks:

Continuous Index: Within 8" of Joint:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 89.6
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 1

Clock To: 3

1st Value:

2nd Value:

Value Percent: 5.000

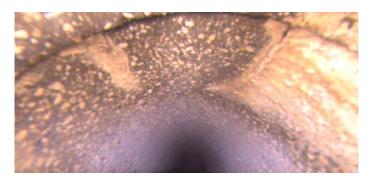
Continuous Index:

Within 8" of Joint:

Remarks:

YES

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 89.7
Structural Grade: 4

O&M Grade: 0

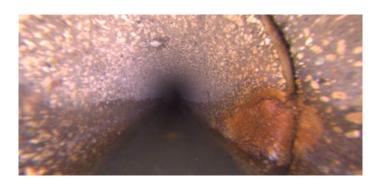
Clock Start/From: 11

Clock To: 1

1st Value: 2nd Value: Value Percent:

Within 8" of Joint:

Continuous Index:



Code: FL

Description: Fracture Longitudinal

Distance (ft): 92.7
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 3

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

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 92.7
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: YES



Code: IS

Description: Infil Stain

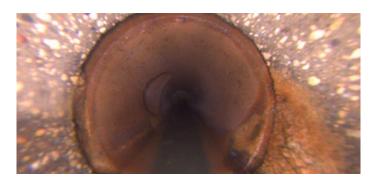
Distance (ft): 98.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 7
Clock To: 5

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

Within 8" of Joint:

Remarks:

YES



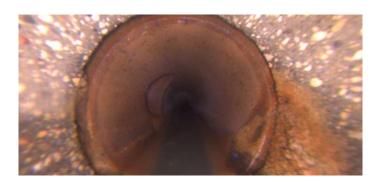
Code: SAV

Description: Surface Aggregate Visible

F06

Distance (ft): 98.7
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:



Code: MMC

Description: Material Change

Distance (ft): 98.7
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

Code: **TFC** 

Description: Tap Factory Capped



Distance (ft): 100.0
Structural Grade: 0
O&M Grade: 0

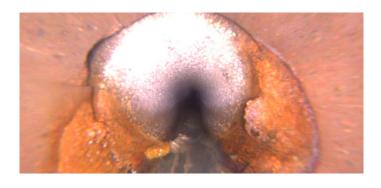
Clock Start/From: 9
Clock To:

1st Value: **6.000** 

Value Percent: Continuous Index: Within 8" of Joint:

Remarks:

2nd Value:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 101.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MMC

Description: Material Change

Distance (ft): 101.9
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: CP (non-reinforced)



Code: SAV

Description: **Surface Aggregate Visible** 

Distance (ft): 101.9 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 7 Clock To: 5

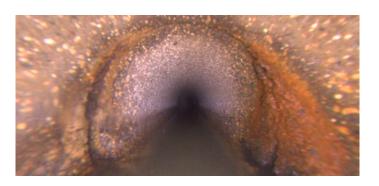
1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

**S07** 



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 104.6 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 7 5 Clock To: 1st Value:

Value Percent: 10.000 Continuous Index: **S08** Within 8" of Joint: YES

Remarks:

2nd Value:



Code: TB

Description: Tap Break-in

Distance (ft): 115.5
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9

Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 123.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5
1st Value:

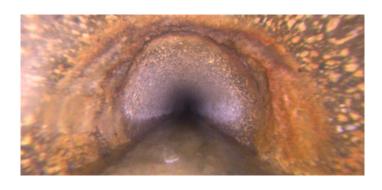
Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

2nd Value:



Code: FC

Description: Fracture Circumferential

Distance (ft): 123.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 7
Clock To: 5

1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:

Remarks:



Description: Deposits Attached Encrustation



Distance (ft): 129.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO



Code: FC

Description: Fracture Circumferential

Distance (ft): 129.3
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks:



Description: Surface Aggregate Visible



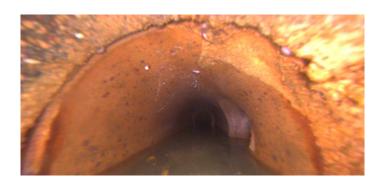
Distance (ft): 135.0 Structural Grade: 3

O&M Grade: 0
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value: Value Percent:

Continuous Index: F07

Within 8" of Joint:



Code: MMC

Description: Material Change

Distance (ft): 135.0
Structural Grade: 0
O&M Grade: 0

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

Continuous Index:
Within 8" of Joint:

Within 8" of Joint: NO Remarks: VCP



Code: **TF** 

Description: Tap Factory

Distance (ft): 136.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 3

Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index: Within 8" of Joint:



Code: MMC

Description: Material Change

Distance (ft): 138.3
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: CP (non-reinforced)



Code: SAV

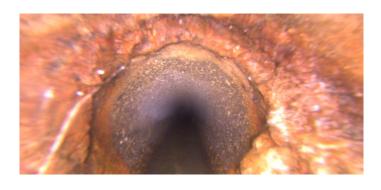
Description: Surface Aggregate Visible

Distance (ft): 138.3
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:

2nd Value: Value Percent:

Continuous Index: **S09** 

Within 8" of Joint:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 144.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5
1st Value:

2nd Value:

Value Percent: 10.000
Continuous Index: F08
Within 8" of Joint: YES

Remarks:

Code: SAV

Description: Surface Aggregate Visible



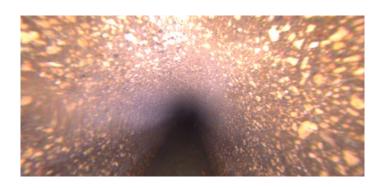
Distance (ft): 144.6
Structural Grade: 3
O&M Grade: 0

Clock Start/From: 8
Clock To: 4

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

ontinuous Index: F09

Within 8" of Joint:



Code: MSA

Description: Abandoned Survey

Distance (ft): 144.6
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: DAE