Profile/Photo Observation Report



Date: 09/07/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 160.2 Owner: **City of Hobart** Pre Clean: **Light Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-504-113-112 Surveyor:

Customer: City of Hobart Clean Date: 08/26/2021 Shape: C

Street: 41st Avenue Flow Control: Not Controlled

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

Purpose:Routine AssessmentDia/Height:10"Use:Sanitary Sewage PipeMaterial:CPDrain Area:Lining:None

Cohoranii NA

Category: NA

Comment:

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

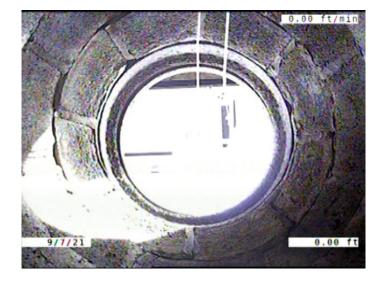
US MH: M-503-032 DS MH: M-504-112 Total Length Surveyed (ft): 160.2

1.85 312E 76.00 O&M Index: O&M Quick: O&M Rating: 3.50 70.00 Structural Quick: Structural Rating: Structural Index: 2.39 146.00 Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
M(504-)	112				
	0. //	AMH	Manhole	2	NA
	0.	MWL	Miscellaneous Water Level	58	NA
	19.5	DSF(S01)	Deposits Settled Fine	158	M 2
	/30.8	DAE	Deposits Attached Encrustation	226	M 2
	//33.8	DAE	Deposits Attached Encrustation	266	M 2
	36.9	MMC	Miscellaneous Material Change	323	NA
	///38.1	TF	Tap Factory	347	NA
	//// 39.0	MMC	Miscellaneous Material Change	387	NA
	55.3	ISB	Infiltration Stain Barrel	533	M 1
s 1	63.4	JAM	Joint Angular Medium	617	S 3
e cti	69.7	FS	Fracture Spiral	690	S 3
i i	69.7	ISB	Infiltration Stain Barrel	707	M 1
Camera Direction	72.8	FM	Fracture Multiple	755	S 4
5	72.8	ISB	Infiltration Stain Barrel	772	M 1
- 111	81.1	CS	Crack Spiral	873	S 2
	81.1	ISB	Infiltration Stain Barrel	895	M 1
↓ []	81.9	CM	Crack Multiple	954	S 3
	81.9	ISB	Infiltration Stain Barrel	980	M 1
	90.6	MMC	Miscellaneous Material Change	1047	NA

91.9	TF	Tap Factory	1078	NA
93.2	FM	Fracture Multiple	1142	S 4
// 93.7	TFD	Tap Factory Defective	1160	M 3
94.6	MMC	Miscellaneous Material Change	1207	NA
95.9	FM	Fracture Multiple	1285	S 4
99.2	MWLS(S02)	Miscellaneous Water Level Sag	1314	S 2
104.0	FM	Fracture Multiple	1396	S 4
104.0	В	Broken	1420	S 4
106.6	MWLS(F02)	Miscellaneous Water Level Sag	1450	S 2
118.5	FM(S04)	Fracture Multiple	1554	S 4
122.7	MWLS	Miscellaneous Water Level Sag	1592	S 2
141.2	ISB	Infiltration Stain Barrel	1699	M 1
142.0	ISB	Infiltration Stain Barrel	1740	M 1
// 146.8	DAE	Deposits Attached Encrustation	1792	M 2
// 152.0	DAE	Deposits Attached Encrustation	1844	M 2
	DAE	Deposits Attached Encrustation	1884	M 2
_///158.2	JAM	Joint Angular Medium	1936	S 3
158.2	FM(F04)	Fracture Multiple	1952	S 4
<u>/</u> /// 158.2	DSF(F01)	Deposits Settled Fine	1960	M 2
160.2	АМН	Manhole	2050	NA

M 503-032



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

M-504-112



Code: MWL

Description: **Miscellaneous Water Level**

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

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



DSF Code:

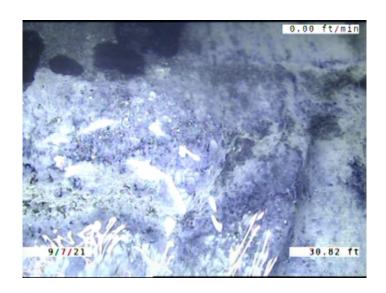
Description: **Deposits Settled Fine**

Distance (ft): 19.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

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

Remarks:

2nd Value:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 30.8
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 5

Clock To: 7

1st Value: 2nd Value:

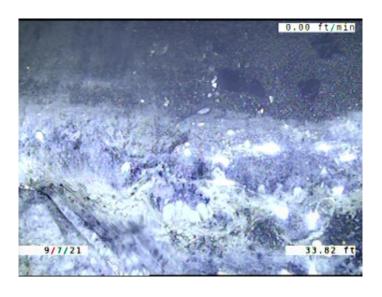
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

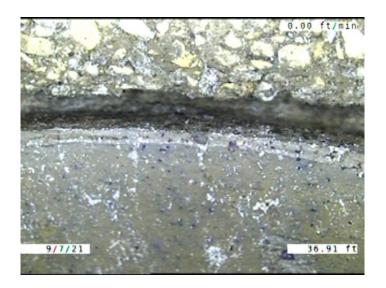
Description: Deposits Attached Encrustation

Distance (ft): 33.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 36.9
Structural Grade: 0

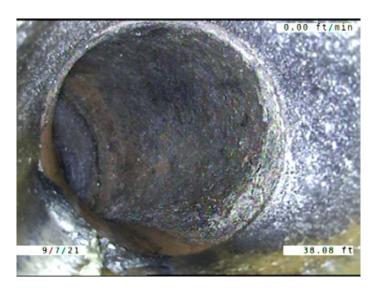
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: CONCRETE TO VCP



Code: **TF**

Description: Tap Factory

Distance (ft): 38.1
Structural Grade: 0

O&M Grade: 0

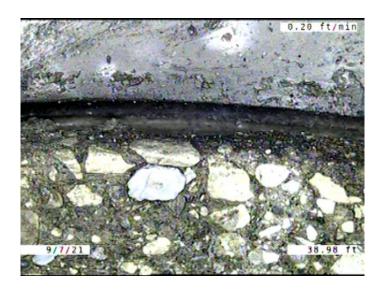
Clock Start/From: 11

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): 39.0 Structural Grade: 0

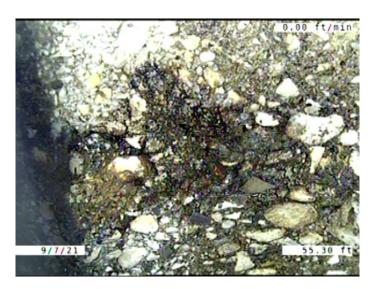
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: VCP TO CONCRETE



Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 55.3
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 9

Clock To:

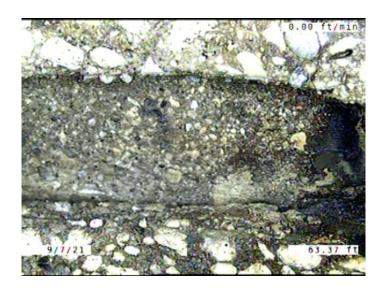
1st Value:

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:

2nd Value:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 63.4
Structural Grade: 3

O&M Grade: 0

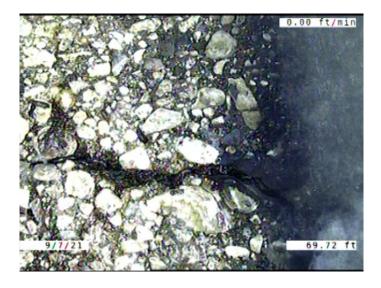
Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:





Code: FS

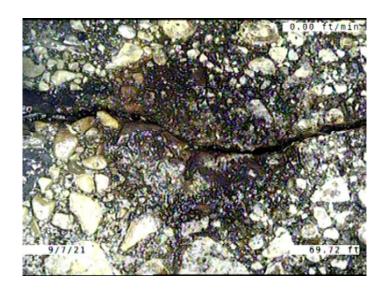
Description: Fracture Spiral

Distance (ft): 69.7
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 2
Clock To: 10
1st Value:
2nd Value:

Continuous Index: Within 8" of Joint:

Value Percent:

thin 8" of Joint: YES



Description: Infiltration Stain Barrel

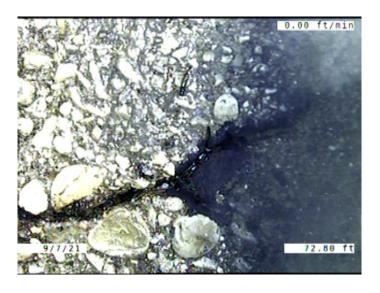
Distance (ft): 69.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 4
Clock To: 5

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

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 72.8
Structural Grade: 4

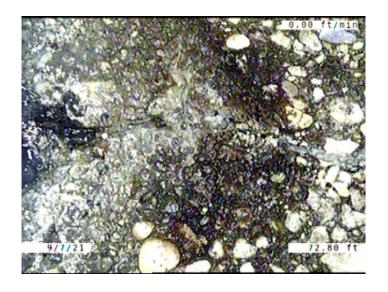
O&M Grade: 0

Clock Start/From: 7

Clock To: 5

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

Within 8" of Joint: YES



Description: Infiltration Stain Barrel

Distance (ft): 72.8
Structural Grade: 0

O&M Grade: 1

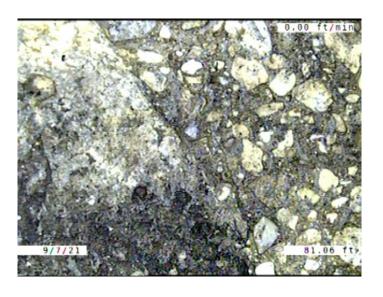
Clock Start/From: 4

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

Within 8" of Joint:

Remarks:

YES



Code: CS

Description: Crack Spiral

Distance (ft): 81.1
Structural Grade: 2

O&M Grade: 0

Clock Start/From: 9

Clock To: 11

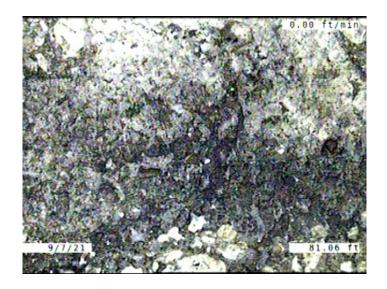
1st Value: 2nd Value: Value Percent:

Within 8" of Joint:

Continuous Index:

Remarks:

YES



Description: Infiltration Stain Barrel

Distance (ft): 81.1
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 8

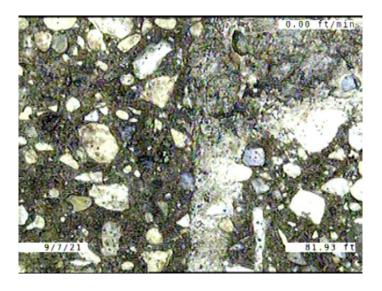
Clock To: 10

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

Within 8" of Joint:

Remarks:

YES



Code: CM

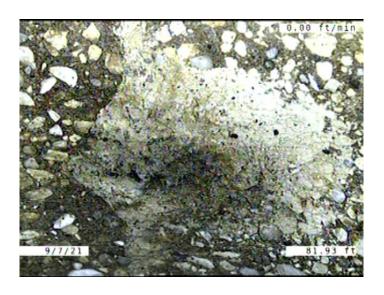
Description: Crack Multiple

Distance (ft): 81.9
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 1
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Description: Infiltration Stain Barrel

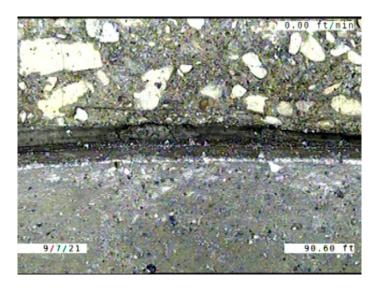
Distance (ft): 81.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1
Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 90.6
Structural Grade: 0

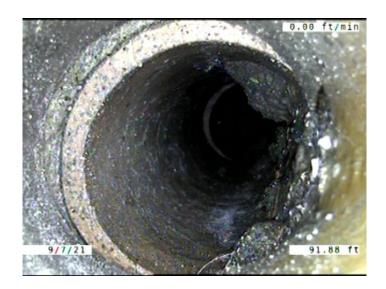
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: CONCRETE TO VCP



Code: TF Description: **Tap Factory**

Distance (ft): 91.9 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 2

Clock To:

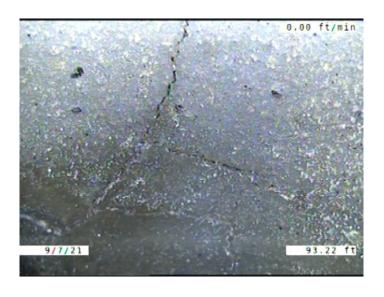
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



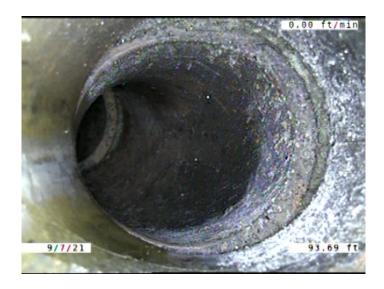
Code: FΜ

Description: **Fracture Multiple**

Distance (ft): 93.2 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 7 5 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 93.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10

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): 94.6
Structural Grade: 0

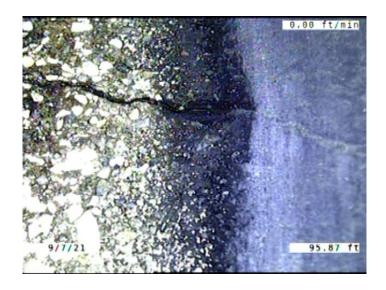
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: VCP TO CONCRETE



Code: FM

Description: **Fracture Multiple**

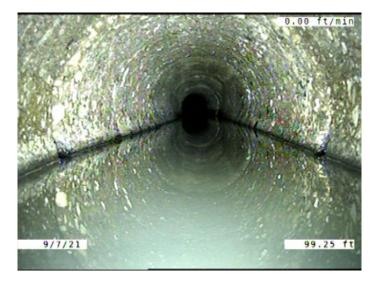
95.9 Distance (ft): Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 Clock To: 12

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

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

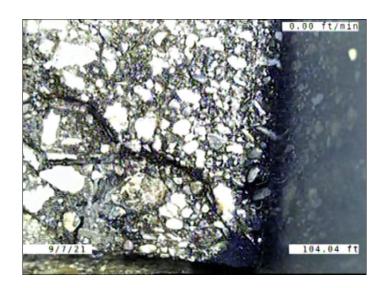
Description: **Miscellaneous Water Level Sag**

Distance (ft): 99.2 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

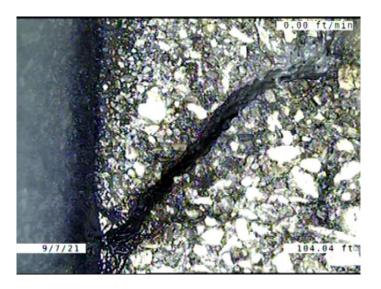
Value Percent: 15.000 Continuous Index: **S02** Within 8" of Joint: NO



Code: FM
Description: Fracture Multiple

Distance (ft): 104.0 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 7 Clock To: 5 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: B
Description: Broken

Distance (ft): 104.0 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 3 Clock To: 12 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: MWLS

Description: Miscellaneous Water Level Sag

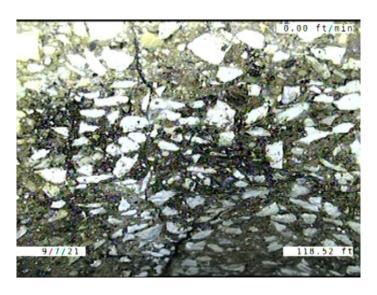
Distance (ft): 106.6
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: F02
Within 8" of Joint: NO

Remarks:



Code: FM

Description: Fracture Multiple

Distance (ft): 118.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:

Value Percent:
Continuous Index: \$04
Within 8" of Joint: YES



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 122.7
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

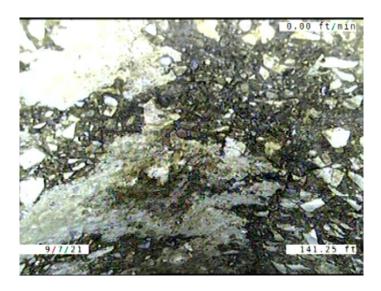
Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: ISB

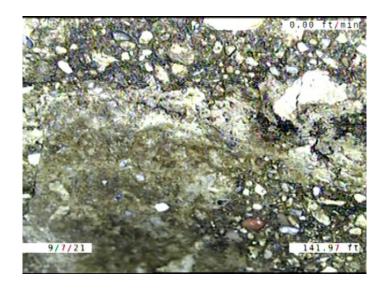
Description: Infiltration Stain Barrel

Distance (ft): 141.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 11
1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



Description: **Infiltration Stain Barrel**

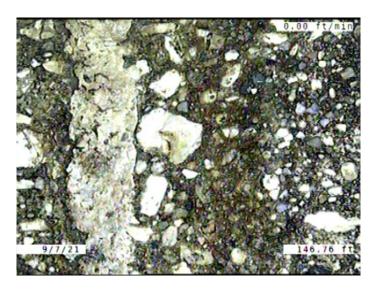
Distance (ft): 142.0 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 2 5

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

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 146.8 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 7 9 Clock To: 1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 152.0 Structural Grade: 0 2 O&M Grade: Clock Start/From: 4 Clock To: 8

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 154.9 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 8 Clock To: 1st Value:

Value Percent:

Continuous Index:

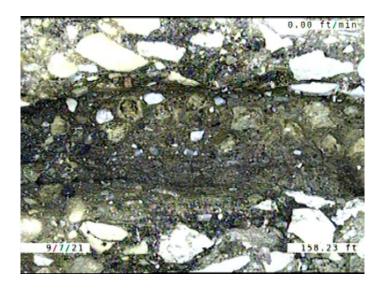
Within 8" of Joint:

Remarks:

2nd Value:

YES

5.000



Code: JAM

Description: Joint Angular Medium

Distance (ft): 158.2 Structural Grade: 3 0 O&M Grade:

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: FΜ

Description: **Fracture Multiple**

Distance (ft): 158.2 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 8 Clock To: 4 1st Value:

2nd Value: Value Percent: Continuous Index:

F04 Within 8" of Joint: YES



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 158.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

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

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 160.2
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: **M-503-032**