## **Profile/Photo Observation Report**



Date: 11/02/2021 **PACP 7.0** Weather: Coding: Pipe Length (ft): 291.8 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-505-059-054 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 10/28/2021 Shape: C

Street: West 2nd Street Flow Control: Not Controlled

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

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

Category: NA

Comment:

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

US MH: M-505-059 DS MH: M-505-054 Total Length Surveyed (ft): 291.8

1.88 3629 45.00 O&M Index: O&M Quick: O&M Rating: 3.30 524F 208.00 Structural Rating: Structural Index: Structural Quick: 2.91 253.00 524F Overall Quick: Overall Index: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
<b>1</b> (505-	059				
$\forall$	0.	AMH	Manhole	1	NA
-	0.	MWL	Miscellaneous Water Level	76	NA
	4.4	SMW	Surface Damage Missing Wall	143	S 5
	4.4	DAE	Deposits Attached Encrustation	171	M 2
	4.4	RFJ	Roots Fine Joint	190	M 1
	5.1	RML	Roots Medium Lateral	230	M 3
ш	5.4	TFD	Tap Factory Defective	270	M 3
ш	7.5	FM	Fracture Multiple	380	S 4
ш	7.6	RFJ	Roots Fine Joint	415	M 1
	8.8	TFC	Tap Factory Capped	445	NA
н	10.6	DAE	Deposits Attached Encrustation	488	M 2
ш	10.6	FM	Fracture Multiple	552	S 4
ш	10.6	RFJ	Roots Fine Joint	568	M 1
	13.6	MWLS(S01)	Miscellaneous Water Level Sag	606	S 2
	16.8	RFJ	Roots Fine Joint	647	M 1
	16.8	FM(S02)	Fracture Multiple	709	S 4
.	19.9	RFJ	Roots Fine Joint	771	M 1
	20.0	SSS	Surface Damage Surface Spalling	782	S 2
	23.1	RFJ	Roots Fine Joint	860	M 1

	H	26.2	RFJ	Roots Fine Joint	895	M 1
ı	W	26.2	DAE	Deposits Attached Encrustation	925	M 2
ı	I	29.3	RFJ	Roots Fine Joint	970	M 1
ı	I	41.5	RFJ	Roots Fine Joint	1052	M 1
ı	ı	48.9	TFD	Tap Factory Defective	1180	M 3
ı	ı	50.9	DAE	Deposits Attached Encrustation	1255	M 2
ı		50.9	DAE	Deposits Attached Encrustation	1291	M 2
ı		51.9	TFD	Tap Factory Defective	1321	M 3
ı	١	55.3	MWLS(F01)	Miscellaneous Water Level Sag	1358	S 2
П	٦١	72.5	DAE	Deposits Attached Encrustation	1457	M 2
П	۱ 🏲	75.0	DR	Deformed Rigid	1502	S 4
1	٦)	75.8	TBD	Tap Break-in/Hammer Defective	1558	M 3
ı	╢	78.4	SSS	Surface Damage Surface Spalling	1596	S 2
П	⊣∥	96.6	BSV	Broken Soil Visible	1730	S 5
	╢	98.2	TFD	Tap Factory Defective	1764	M 3
	<u>اا</u> لۃ	101.0	TFC	Tap Factory Capped	1797	NA
	W	107.4	ТВ	Tap Break-in/Hammer	1879	NA
ı	W	154.8	MWLS(S03)	Miscellaneous Water Level Sag	2102	S 2
ı		160.0	SSS	Surface Damage Surface Spalling	2156	S 2
ı		168.2	FM(F02)	Fracture Multiple	2216	S 4
ı		168.2	DAE	Deposits Attached Encrustation	2224	M 2
ı	_ \	179.5	MWLS(F03)	Miscellaneous Water Level Sag	2286	S 2
ı		182.1	SSS	Surface Damage Surface Spalling	2312	S 2
	$\mathbb{N}$	189.7	DAE	Deposits Attached Encrustation	2371	M 2
ı		190.5	CM	Crack Multiple	2388	S 3
Ш	۱ ا	225.0	SSS	Surface Damage Surface Spalling	2571	S 2
ı	$  \  $	231.0	CS	Crack Spiral	2612	S 2
Н	Κ,	246.4	CM(S04)	Crack Multiple	2677	S 3
Ц	_\	256.2	SSS	Surface Damage Surface Spalling	2724	S 2
		262.7	LD	Line Down	2771	M 2
Н	Η,	264.1	JAL	Joint Angular Large	2832	S 4
		270.2	JAL	Joint Angular Large	2899	S 4
	'	272.7	CM(F04)	Crack Multiple	2947	S 3
		291.8	AMH	Manhole	3171	NA
$\rightarrow$						

M(505)054



Code: AMH Description: Manhole

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

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: M-505-059



MWL Code:

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

Remarks:



Code: SMW

Description: Surface Damage Missing Wall

Distance (ft): 4.4
Structural Grade: 5
O&M Grade: 0

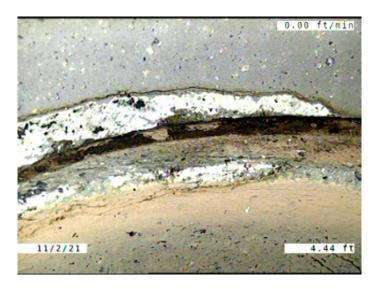
Clock Start/From: 6
Clock To:
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 4.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 11
1st Value:

2nd Value: Value Percent:

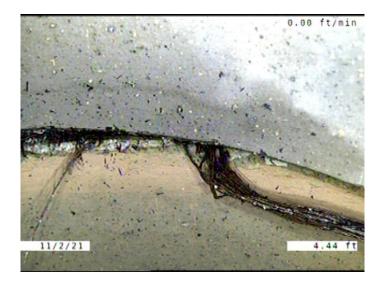
Continuous Index:

Within 8" of Joint:

Remarks:

YES

5.000



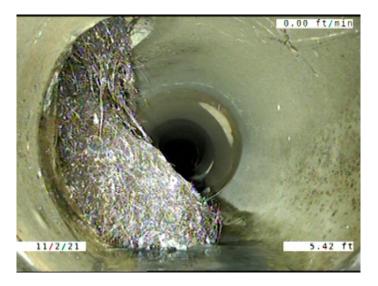
Description: **Roots Fine Joint** 

Distance (ft): 4.4 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 11 Clock To: 3

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

Within 8" of Joint: YES

Remarks:



Code: **RML** 

Description: **Roots Medium Lateral** 

Distance (ft): 5.1 Structural Grade: 0 O&M Grade: 3 Clock Start/From: 10 Clock To: 11 1st Value:

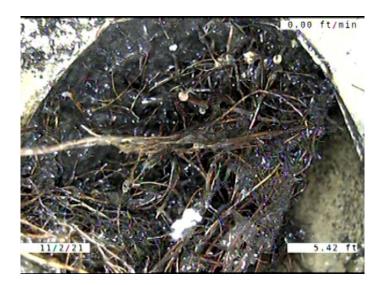
2nd Value:

Value Percent: 35.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 5.4
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: ROOTS GROWING OUT OF THE TAP
INTO THE MAIN. LOOKS TO BE 100%

INTO THE MAIN. LOOKS TO BE 100%



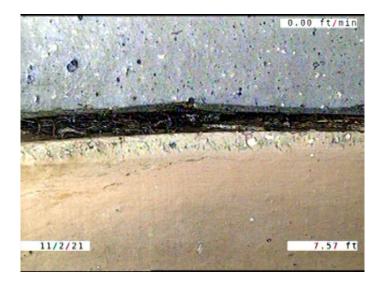
Code: FM

Description: Fracture Multiple

Distance (ft): 7.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 3
Clock To: 9
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Description: Roots Fine Joint

Distance (ft): 7.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: TFC

Description: Tap Factory Capped

Distance (ft): 8.8
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: YES

Remarks: CAP LOOKS TO BE FABRIC. ROOTS
GROWING AROUND THE CAP



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 10.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: FM

Description: Fracture Multiple

Distance (ft): 10.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value: 2

2nd Value:

Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Description: Roots Fine Joint

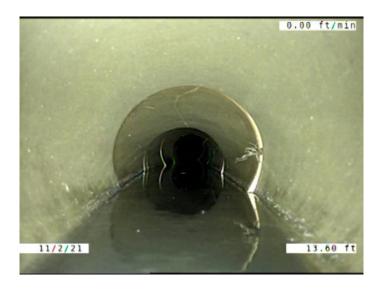
Distance (ft): 10.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 13.6
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: S01
Within 8" of Joint: NO

Remarks:

.



Description: Roots Fine Joint

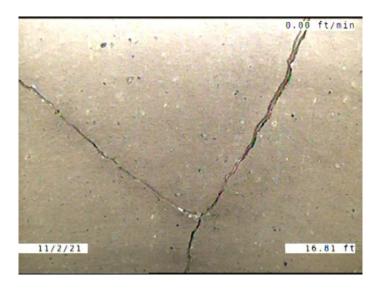
Distance (ft): 16.8
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 16.8
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 7

Clock To: 4

1st Value:

2nd Value:
Value Percent:

Continuous Index: **S02** Within 8" of Joint: **YES** 

Remarks: Wandering



Description: Roots Fine Joint

Distance (ft): 19.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2

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

Continuous Index:

Within 8" of Joint:

Remarks:

YES



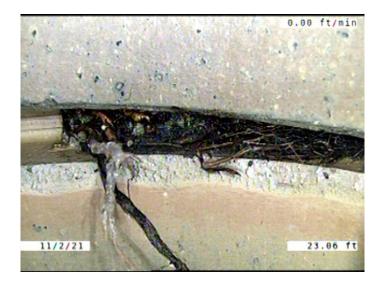
Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 20.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



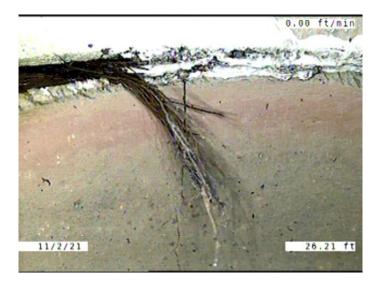
Description: **Roots Fine Joint** 

Distance (ft): 23.1 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 1 Clock To: 2 1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



RFJ Code:

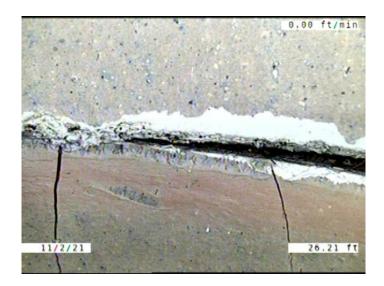
Description: **Roots Fine Joint** 

Distance (ft): 26.2 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 10 Clock To:

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

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 26.2
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 9

Clock To: 3

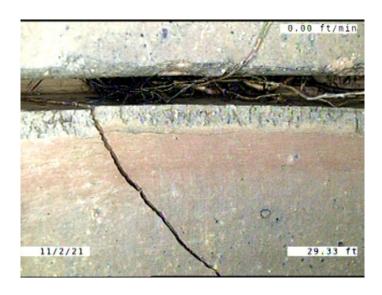
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 29.3
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 10
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Description: Roots Fine Joint

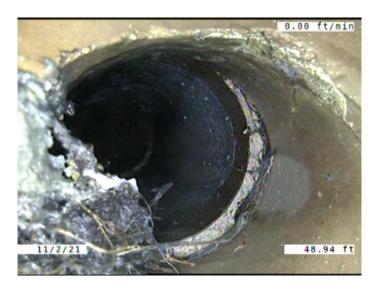
Distance (ft): 41.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1

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

Within 8" of Joint:

Remarks:

YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 48.9
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 10

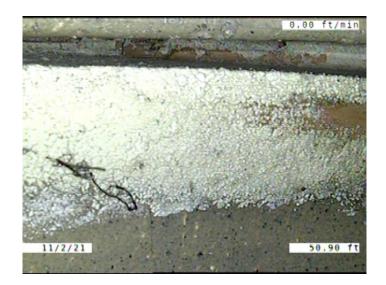
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: OFFSET. ROOTS GROWING FROM THE JOINT AND INTO THE MAIN



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 50.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 10

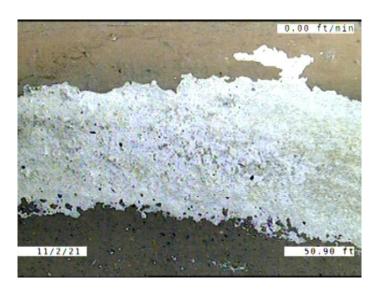
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 50.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 4
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **TFD** 

Description: **Tap Factory Defective** 

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

Clock To:

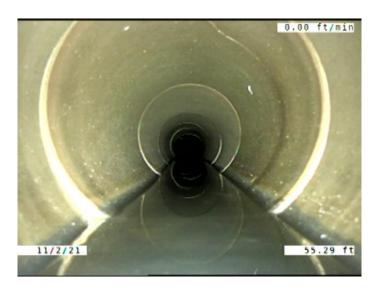
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **SOIL VISIBLE. ROOTS GROWING** 

INTO THE TAP. LOOKS TO BE 100% P



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

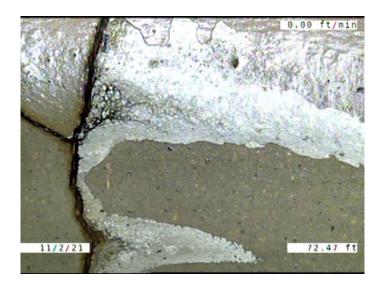
Distance (ft): 55.3 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: F01 Within 8" of Joint: NO

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 72.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 12 Clock To: 2

1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:



DR Code:

Description: **Deformed Rigid** 

Distance (ft): 75.0 Structural Grade: 4 O&M Grade: 0

Clock Start/From:

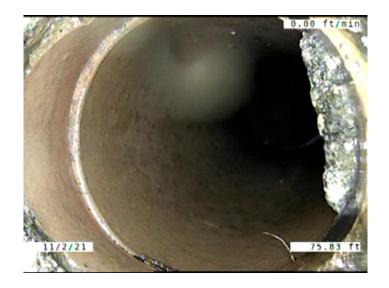
Clock To: 1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 75.8 Structural Grade: 0 3 O&M Grade: Clock Start/From: 1

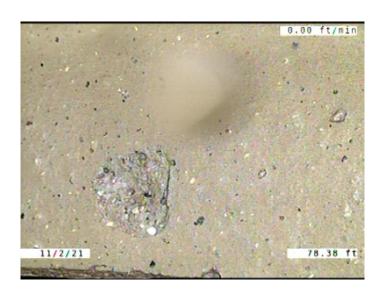
Clock To:

1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **CONSTANTLY RUNNING WATER.** 



SSS Code:

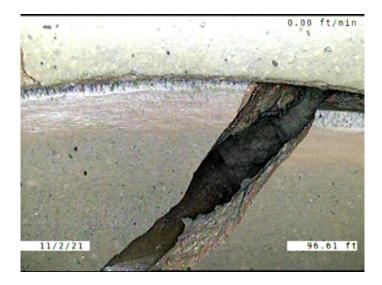
Description: **Surface Damage Surface Spalling** 

Distance (ft): 78.4 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

Remarks:



Code: BSV

Description: Broken Soil Visible

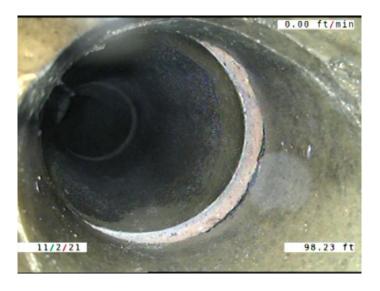
Distance (ft): 96.6
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 7
Clock To: 11

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

Within 8" of Joint:

Remarks:

YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 98.2
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 11

Clock To:

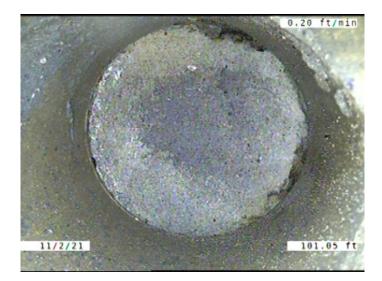
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: BROKEN. OFFSET. CONSTANTLY

**RUNNING WATER.** 



Code: TFC

Description: **Tap Factory Capped** 

Distance (ft): 101.0 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: TB

Description: Tap Break-in/Hammer

Distance (ft): 107.4 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 1

Clock To:

2nd Value:

1st Value: 4.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

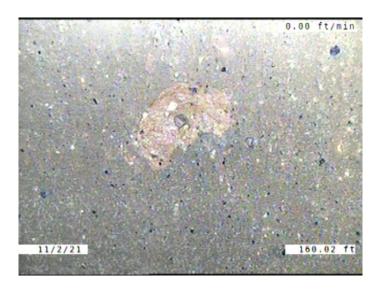
Distance (ft): 154.8
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: S03
Within 8" of Joint: NO

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 160.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To:

Clock To:

1st Value:

2nd Value:

Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:

0 01 1011111



Code: FΜ

Description: **Fracture Multiple** 

Distance (ft): 168.2 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 7 Clock To:

1st Value: 2nd Value: Value Percent:

Continuous Index: F02 Within 8" of Joint: YES

Remarks: Wandering



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 168.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 8 9 Clock To: 1st Value:

2nd Value: Value Percent:

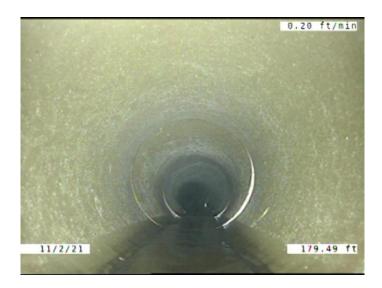
Continuous Index:

Within 8" of Joint:

Remarks:

YES

5.000



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 179.5
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: F03
Within 8" of Joint: NO

Remarks:



Code: SSS

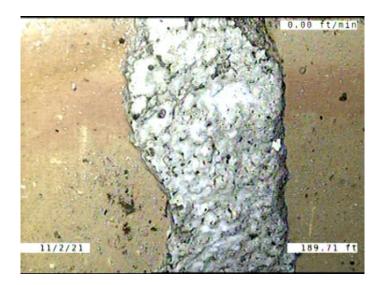
Description: Surface Damage Surface Spalling

Distance (ft): 182.1
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 3

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

Within 8" of Joint: NO

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 189.7 Structural Grade: 0 2 O&M Grade: Clock Start/From: 8 Clock To: 9

1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint:

YES

Remarks:



CM Code:

Description: **Crack Multiple** 

Distance (ft): 190.5 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 10 2 Clock To:

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

Within 8" of Joint: YES

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 225.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 3

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

Within 8" of Joint:

Remarks:

NO



Code: CS

Description: Crack Spiral

Distance (ft): 231.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 10
Clock To: 11
1st Value:
2nd Value:
Value Percent:

Continuous Index:
Within 8" of Joint:

Remarks:

YES



Code: CM

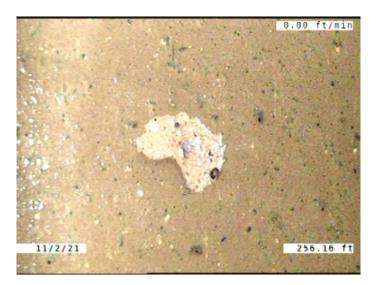
Description: Crack Multiple

Distance (ft): 246.4
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: **YES** 

Remarks: Wandering



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 256.2
Structural Grade: 2
O&M Grade: 0

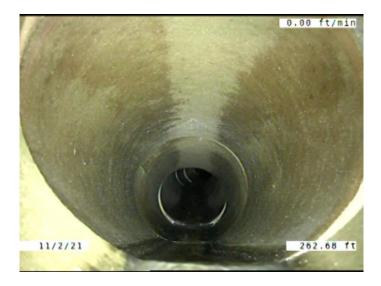
Clock Start/From: **3** Clock To:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:

1st Value:



Code: LD

Description: Line Down

Distance (ft): 262.7
Structural Grade: 0
O&M Grade: 2

Clock Start/From:

Clock To: 1st Value: 2nd Value:

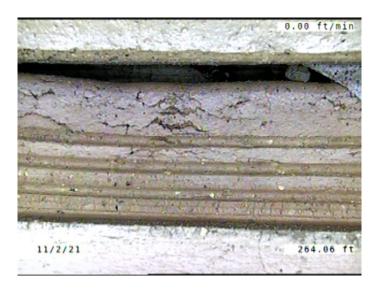
Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: JAL

Description: Joint Angular Large

Distance (ft): 264.1
Structural Grade: 4

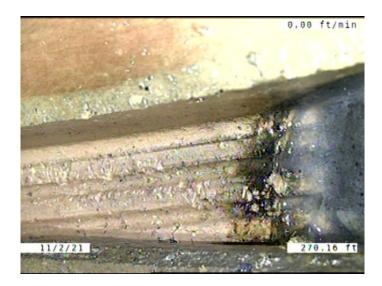
O&M Grade: **0** 

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: **SOIL VISIBLE** 



Code: JAL

Description: Joint Angular Large

Distance (ft): 270.2
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: CM

Description: Crack Multiple

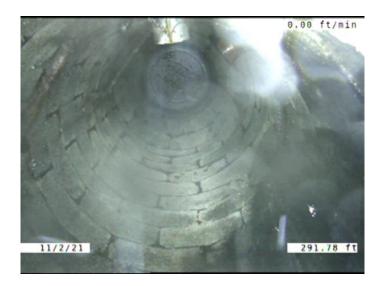
Distance (ft): 272.7
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES
Remarks: Wand

Remarks: Wandering

F04



Code: AMH
Description: Manhole

Distance (ft): 291.8
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-505-054**