

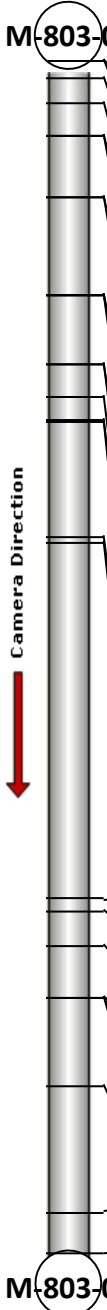
Profile/Photo Observation Report



Date:	04/13/2018	Weather:		Coding:	PACP 4.2
Pipe Length (ft):	252.0	Owner:	City of Hobart	Pre Clean:	No Pre-Cleaning
P.O.#:	2004	Surveyor:	SAN	PSR:	P-803-054-061
Customer:	Red Zone	Clean Date:		Shape:	C

Street:	331 Linda Ave	Flow Control:	Not Controlled
City:	Hobart In	Year Renewed:	
Location:	Light Highway	Tape/Media #:	Deliverable 1
Purpose:	Routine Assessment	Dia/Height:	15"
Use:	Sanitary	Material:	VCP
Drain Area:	Northeast	Lining:	
Category:	NA		
Comment:	404-1/Unable to open M803-054/Manhole 061 is the downstream manhole.		
Location Details:	Edge of street	Direction of Survey:	Upstream
US MH:	M-803-054	DS MH:	M-803-061
		Total Length Surveyed (ft):	252.0

O&M Index:	1.83	O&M Quick:	3726	O&M Rating:	44.00
Structural Index:	2.00	Structural Quick:	2200	Structural Rating:	4.00
Overall Index:	1.85	Overall Quick:	3728	Overall Rating:	48.00

	Position	Code	Observation	Video (sec)	Grade
 <p>Camera Direction</p>	M-803-061				
	.0	AMH	Manhole	11	NA
	.0	MWL	Water Level	25	NA
	6.2	RFJ(S01)	Roots Fine Joint	162	M 1
	9.1	TFD	Tap Factory Defective	199	M 2
	15.8	RFJ(F01)	Roots Fine Joint	252	M 1
	15.8	RMJ(S02)	Roots Medium Joint	281	M 3
	31.4	RMJ(F02)	Roots Medium Joint	317	M 3
	31.4	RFJ(S03)	Roots Fine Joint	367	M 1
	49.6	TFD	Tap Factory Defective	454	M 2
	49.6	RMC	Roots Medium Connection	488	M 3
	49.7	OBZ(S04)	Obstacle Other	514	M 2
	64.2	MWL	Water Level	603	NA
	64.2	OBZ(F04)	Obstacle Other	613	M 2
	71.2	TFD	Tap Factory Defective	664	M 2
	78.3	RFJ(F03)	Roots Fine Joint	711	M 1
	78.6	MWL	Water Level	781	NA
	100.6	OBZ	Obstacle Other	921	M 3
	102.0	TF	Tap Factory	962	NA
	176.8	TFA	Tap Factory Active	1113	NA
	179.9	TF	Tap Factory	1158	NA
	187.1	MWLS(S05)	Water Level Sag	1207	S 2
	198.2	TFB	Tap Factory Abandoned	1341	NA
	198.2	MWLS(F05)	Water Level Sag	1364	S 2
	198.2	MWL	Water Level	1379	NA
	216.7	TFB	Tap Factory Abandoned	1452	NA
	243.5	TB	Tap Break-in	1561	NA
	252.0	AMH	Manhole	1639	NA
	M-803-054				



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-902-061



Code:	MWL
Description:	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:	RFJ
Description:	Roots Fine Joint
Distance (ft):	6.2
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	10
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S01
Within 8" of Joint:	YES
Remarks:	



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	9.1
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	2
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	roots in tap



Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **15.8**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F01**
 Within 8" of Joint: **YES**
 Remarks:



Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **15.8**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **S02**
 Within 8" of Joint: **YES**
 Remarks: **wanders**



Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	31.4
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	2
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	F02
Within 8" of Joint:	YES
Remarks:	wanders



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	31.4
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	8
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S03
Within 8" of Joint:	YES
Remarks:	wanders



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	49.6
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	9
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	rootball in tap



Code:	RMC
Description:	Roots Medium Connection
Distance (ft):	49.6
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	7
Clock To:	10
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code:	OBZ
Description:	Obstacle Other
Distance (ft):	49.7
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	6
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	S04
Within 8" of Joint:	NO
Remarks:	debris

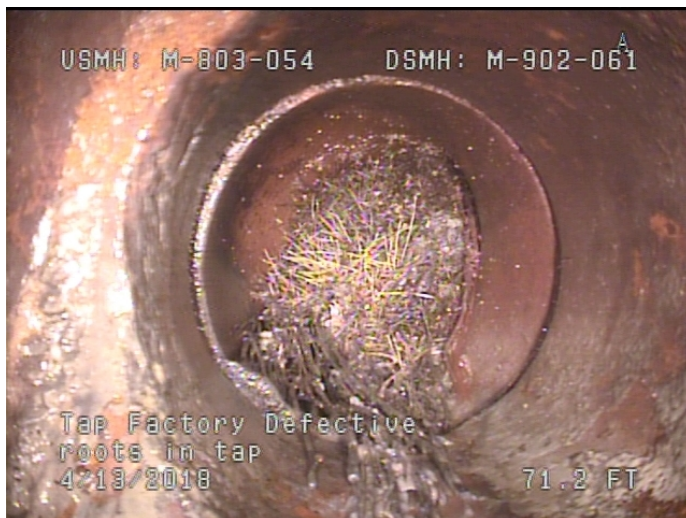


Code:	MWL
Description:	Water Level
Distance (ft):	64.2
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: **OBZ**
 Description: **Obstacle Other**

Distance (ft): **64.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **6**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F04**
 Within 8" of Joint: **NO**
 Remarks: **debris**



Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **71.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **roots in tap**



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	78.3
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	8
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F03
Within 8" of Joint:	YES
Remarks:	wanders



Code:	MWL
Description:	Water Level
Distance (ft):	78.6
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code:	OBZ
Description:	Obstacle Other
Distance (ft):	100.6
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	6
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	debris



Code:	TF
Description:	Tap Factory
Distance (ft):	102.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	10
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code:	TFA
Description:	Tap Factory Active
Distance (ft):	176.8
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:	NO
Remarks:	



Code:	TF
Description:	Tap Factory
Distance (ft):	179.9
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:	NO
Remarks:	



Code: **MWLS**
 Description: **Water Level Sag**

Distance (ft): **187.1**
 Structural Grade: **2**
 O&M Grade: **3**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **20.000**
 Continuous Index: **S05**
 Within 8" of Joint: **NO**
 Remarks:



Code: **TFB**
 Description: **Tap Factory Abandoned**

Distance (ft): **198.2**
 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: **NO**
 Remarks: **soil in tap**



Code: **MWLS**
 Description: **Water Level Sag**

Distance (ft): **198.2**
 Structural Grade: **2**
 O&M Grade: **3**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **20.000**
 Continuous Index: **F05**
 Within 8" of Joint: **NO**
 Remarks:



Code: **MWL**
 Description: **Water Level**

Distance (ft): **198.2**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



Code:	TFB
Description:	Tap Factory Abandoned
Distance (ft):	216.7
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:	NO
Remarks:	soil in tap



Code:	TB
Description:	Tap Break-in
Distance (ft):	243.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code:	AMH
Description:	Manhole
Distance (ft):	252.0
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-803-054