

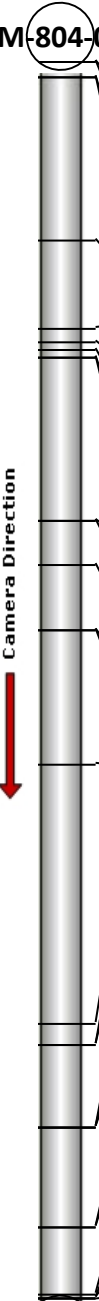
Profile/Photo Observation Report



Date:	04/19/2018	Weather:		Coding:	PACP 4.2
Pipe Length (ft):	218.7	Owner:	City of Hobart	Pre Clean:	No Pre-Cleaning
P.O.#:	2004	Surveyor:	SAN	PSR:	P-804-034-033
Customer:	Red Zone	Clean Date:		Shape:	C

Street:	223 N Hobart Rd	Flow Control:	Not Controlled
City:	Hobart In	Year Renewed:	
Location:	Easement/Right of Way	Tape/Media #:	Deliverable 1
Purpose:	Routine Assessment	Dia/Height:	18"
Use:	Sanitary	Material:	VCP
Drain Area:	Northeast	Lining:	
Category:	NA		
Comment:	416-1/Reverse setup due to roots.		
Location Details:	Grass between homes	Direction of Survey:	Downstream
US MH:	M-804-034	DS MH:	M-804-033
		Total Length Surveyed (ft):	201.6

O&M Index:	2.13	O&M Quick:	513A	O&M Rating:	211.00
Structural Index:	2.00	Structural Quick:	2100	Structural Rating:	2.00
Overall Index:	2.13	Overall Quick:	513A	Overall Rating:	213.00

	Position	Code	Observation	Video (sec)	Grade
M-804-034					
 Camera Direction	.0	AMH	Manhole	17	NA
	.0	MWL	Water Level	35	NA
	2.5	DAE(S01)	Deposits Attached Encrustation	93	M 2
	2.5	IW(S02)	Infil Weeper	112	M 2
	29.1	ID	Infil Dripper	180	M 3
	43.6	TFD	Tap Factory Defective	230	M 2
	45.6	CL	Crack Longitudinal	277	S 2
	47.1	TFD	Tap Factory Defective	309	M 2
	48.3	RFJ	Roots Fine Joint	354	M 1
	48.3	ID	Infil Dripper	399	M 3
	74.7	TFD	Tap Factory Defective	456	M 2
	74.7	RFC	Roots Fine Connection	486	M 1
	82.1	TFD	Tap Factory Defective	526	M 2
	92.8	TFD	Tap Factory Defective	638	M 2
	92.8	DAE	Deposits Attached Encrustation	672	M 3
	114.6	RFJ	Roots Fine Joint	711	M 1
	156.8	TFD	Tap Factory Defective	769	M 2
	160.3	TFD	Tap Factory Defective	825	M 2
	160.3	IG	Infil Gusher	855	M 5
	173.6	RMJ(S03)	Roots Medium Joint	917	M 3
	173.6	IW(F02)	Infil Weeper	934	M 2
	173.6	ID(S04)	Infil Dripper	957	M 3
	189.9	ID(F04)	Infil Dripper	995	M 3
	189.9	RMJ	Roots Medium Joint	1071	M 3
	201.0	TFD	Tap Factory Defective	1164	M 2
	201.5	DAE(F01)	Deposits Attached Encrustation	1203	M 2
	201.5	RMJ(F03)	Roots Medium Joint	1226	M 3
	201.6	MSA	Abandoned Survey	1246	NA
M-804-033					



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-804-034



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:	15.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft):	2.5
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	S01
Within 8" of Joint:	YES
Remarks:	



Code:	IW
Description:	Infil Weeper
Distance (ft):	2.5
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S02
Within 8" of Joint:	YES
Remarks:	



Code:	ID
Description:	Infil Dripper
Distance (ft):	29.1
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	1
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

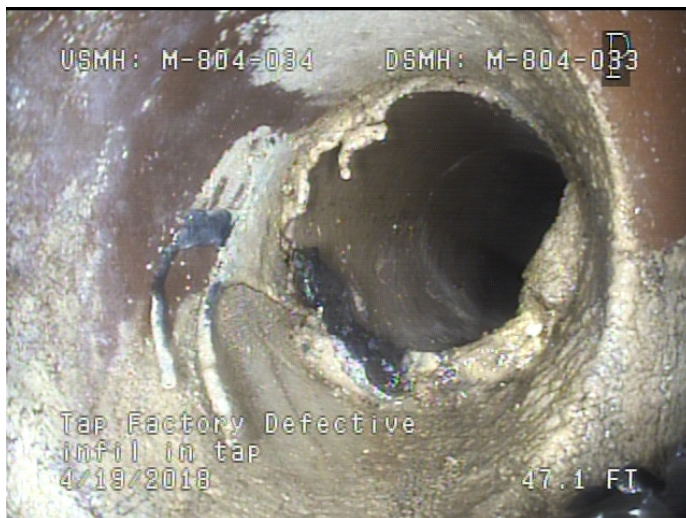


Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	43.6
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	10
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	infil in tap



Code: **CL**
 Description: **Crack Longitudinal**

Distance (ft): **45.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **47.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **infil in tap**



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	48.3
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:	YES
Remarks:	



Code:	ID
Description:	Infil Dripper
Distance (ft):	48.3
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	1
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	74.7
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	10
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	roots and infill in tap



Code:	RFC
Description:	Roots Fine Connection
Distance (ft):	74.7
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	9
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: TFD
Description: Tap Factory Defective

Distance (ft): 82.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10
Clock To:
1st Value: 4.000
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: NO
Remarks: infil in tap



Code: TFD
Description: Tap Factory Defective

Distance (ft): 92.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To:
1st Value: 4.000
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: NO
Remarks: roots and infil in tap



Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft):	92.8
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	3
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	114.6
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



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

Distance (ft): **156.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **infil in tap**



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

Distance (ft): **160.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **10**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **hole and major infil in tap**



Code:	IG
Description:	Infil Gusher
Distance (ft):	160.3
Structural Grade:	0
O&M Grade:	5
Clock Start/From:	10
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	from tap



Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	173.6
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	S03
Within 8" of Joint:	YES
Remarks:	



Code:	IW
Description:	Infil Weeper
Distance (ft):	173.6
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F02
Within 8" of Joint:	YES
Remarks:	



Code:	ID
Description:	Infil Dripper
Distance (ft):	173.6
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S04
Within 8" of Joint:	YES
Remarks:	



Code:	ID
Description:	Infil Dripper
Distance (ft):	189.9
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F04
Within 8" of Joint:	YES
Remarks:	



Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	189.9
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	40.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	201.0
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	2
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	rootball in tap



Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft):	201.5
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	F01
Within 8" of Joint:	YES
Remarks:	



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

Distance (ft): **201.5**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **8**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F03**
 Within 8" of Joint: **YES**
 Remarks:



Code: **MSA**
 Description: **Abandoned Survey**

Distance (ft): **201.6**
 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: **completed in reverse**