

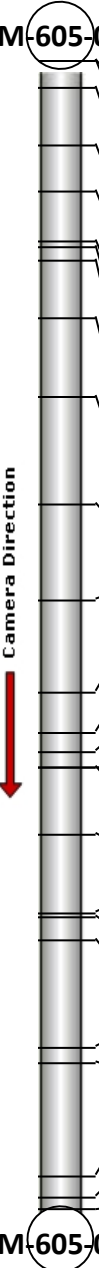
Profile/Photo Observation Report

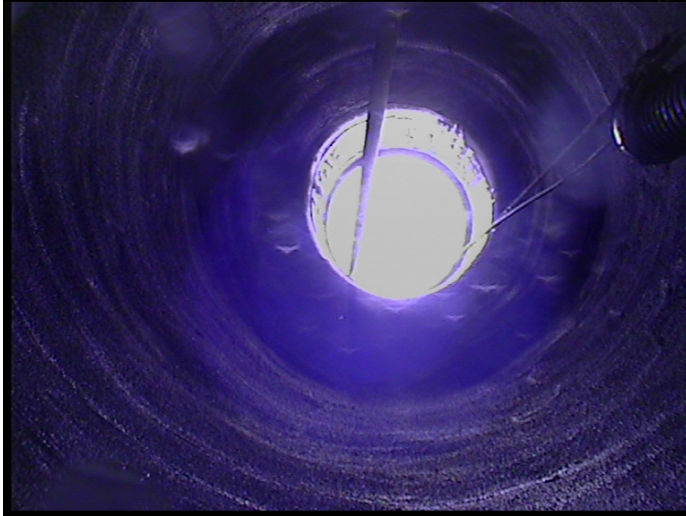


Date:	04/16/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):		Owner:	City of Hobart	Pre Clean:	No Pre-Cleaning
P.O.#:	64-1	Surveyor:	M. Pielacha	PSR:	M-605-066-M-605-057
Customer:	City of Hobart	Clean Date:		Shape:	C

Street:	Beverly Lane	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Light Highway	Tape/Media #:	DEP 64
Purpose:	Routine Assessment	Dia/Height:	15"
Use:	Sanitary	Material:	CP
Drain Area:		Lining:	
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-605-066	DS MH:	M-605-057
		Total Length Surveyed (ft):	295.7

O&M Index:	1.91	O&M Quick:	3128	O&M Rating:	21.00
Structural Index:	2.93	Structural Quick:	3122	Structural Rating:	164.00
Overall Index:	2.76	Overall Quick:	312A	Overall Rating:	185.00

	Position	Code	Observation	Video (sec)	Grade
M-605-066					
	.0	AMH	Manhole	0	NA
	.0	MWL	Water Level	7	NA
	6.8	CC	Crack Circumferential	35	S 1
	22.0	CL	Crack Longitudinal	64	S 2
	33.6	SAV(S01)	Surface Aggregate Visible	85	S 3
	46.3	DAE	Deposits Attached Encrustation	111	M 2
	47.9	TFA	Tap Factory Active	128	NA
	51.3	DAE(S02)	Deposits Attached Encrustation	144	M 2
	66.3	TFA	Tap Factory Active	176	NA
	86.7	DAE(F02)	Deposits Attached Encrustation	215	M 2
	114.1	TF	Tap Factory	250	NA
	138.8	TF	Tap Factory	288	NA
	162.7	TFA	Tap Factory Active	327	NA
	173.2	RFJ	Roots Fine Joint	352	M 1
	178.2	TFA	Tap Factory Active	369	NA
	182.2	CM	Crack Multiple	391	S 3
	182.2	RFJ	Roots Fine Joint	400	M 1
	199.4	TFC	Tap Factory Capped	432	NA
	219.6	OBR	Obstacle Rocks	561	M 3
	220.4	TBA	Tap Break-in Active	525	NA
	226.7	TF	Tap Factory	594	NA
	254.0	TF	Tap Factory	655	NA
	258.3	CL	Crack Longitudinal	676	S 2
	287.5	TF	Tap Factory	741	NA
	292.7	SAV(F01)	Surface Aggregate Visible	760	S 3
	295.7	AMH	Manhole	770	NA
M-605-057					



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-605-066**

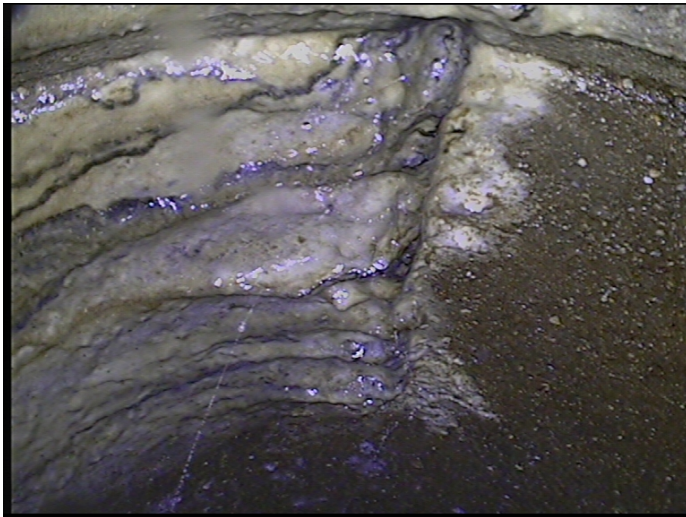


Code: **MWL**
Description: **Water Level**

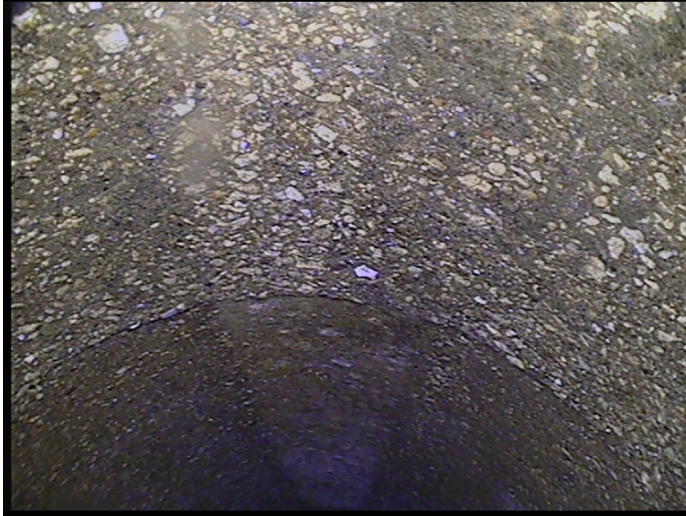
Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code:	CC
Description:	Crack Circumferential
Distance (ft):	6.8
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	9
Clock To:	10
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	CL
Description:	Crack Longitudinal
Distance (ft):	22.0
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: **SAV**
Description: **Surface Aggregate Visible**

Distance (ft): **33.6**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks:



Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **46.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **TFA**
Description: **Tap Factory Active**

Distance (ft): **47.9**
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: **NO**
Remarks:



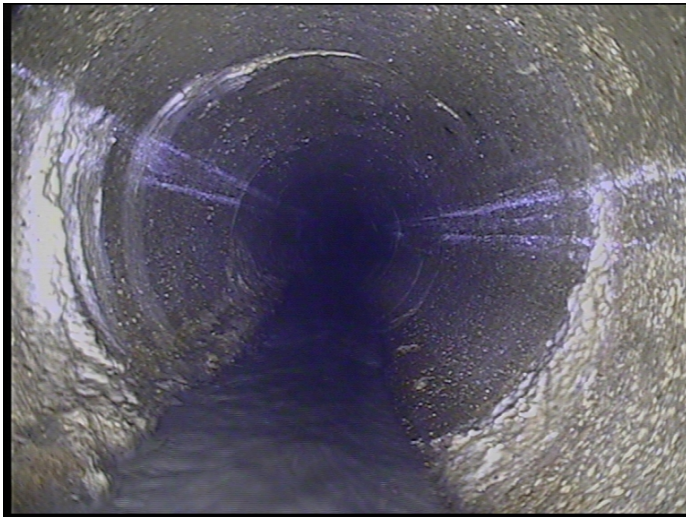
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **51.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



Code: **TFA**
Description: **Tap Factory Active**

Distance (ft): **66.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



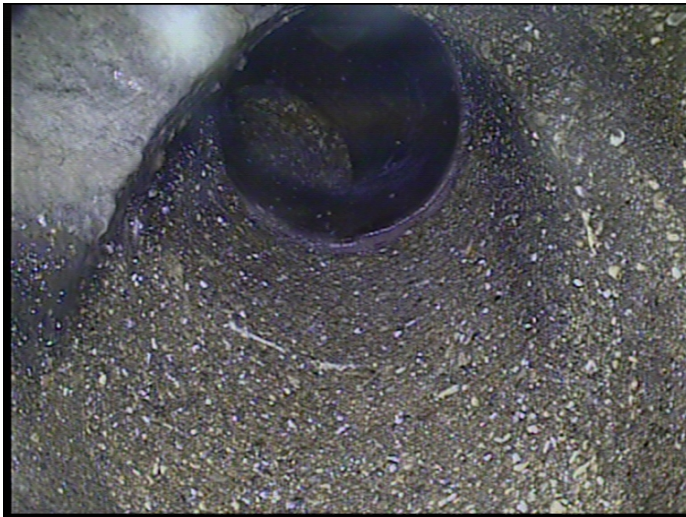
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **86.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:



Code: **TF**
Description: **Tap Factory**

Distance (ft): **114.1**
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: **NO**
Remarks:



Code: **TF**
Description: **Tap Factory**

Distance (ft): **138.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



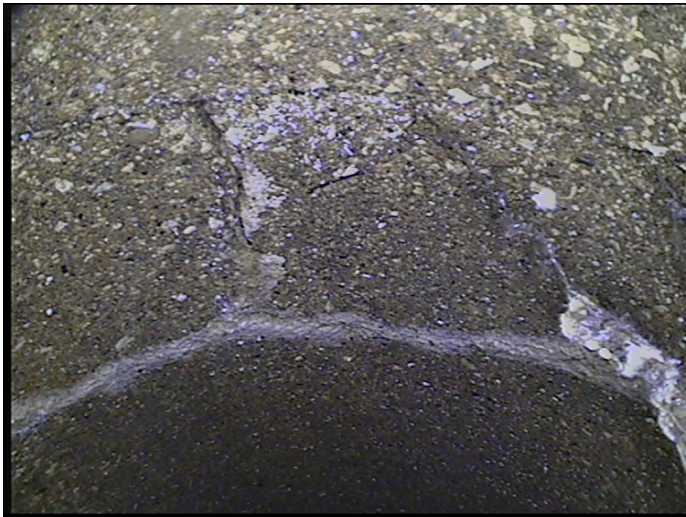
Code:	TFA
Description:	Tap Factory Active
Distance (ft):	162.7
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	2
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



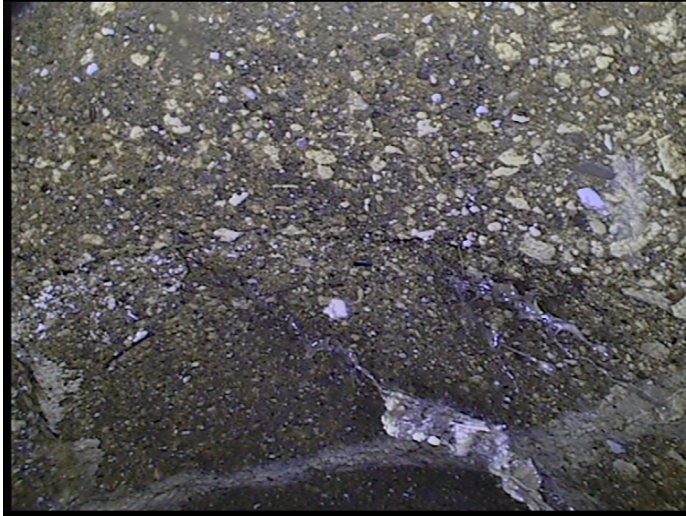
Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	173.2
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	4
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TFA
Description:	Tap Factory Active
Distance (ft):	178.2
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	10
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	

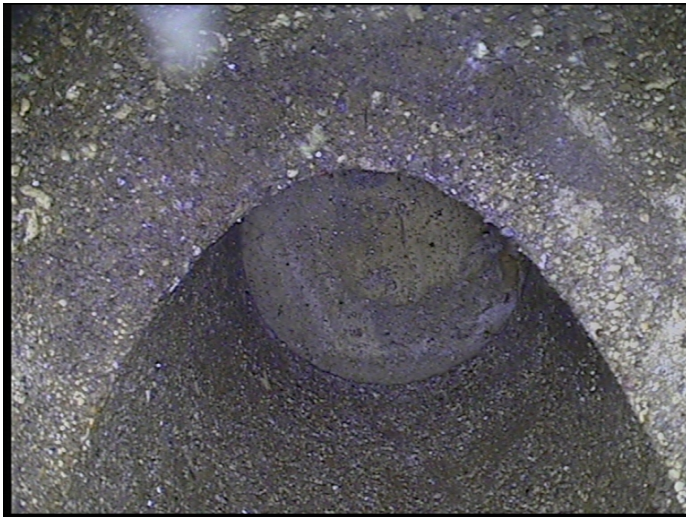


Code:	CM
Description:	Crack Multiple
Distance (ft):	182.2
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	10
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



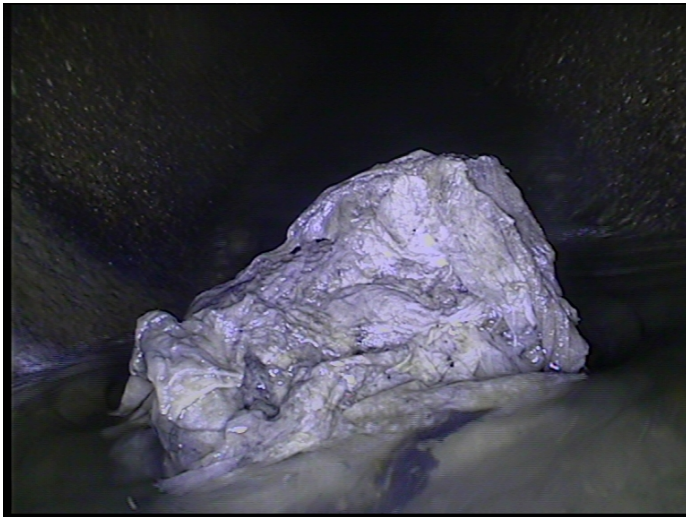
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **182.2**
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: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **199.4**
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: **NO**
Remarks:



Code: **OBR**
Description: **Obstacle Rocks**

Distance (ft): **219.6**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



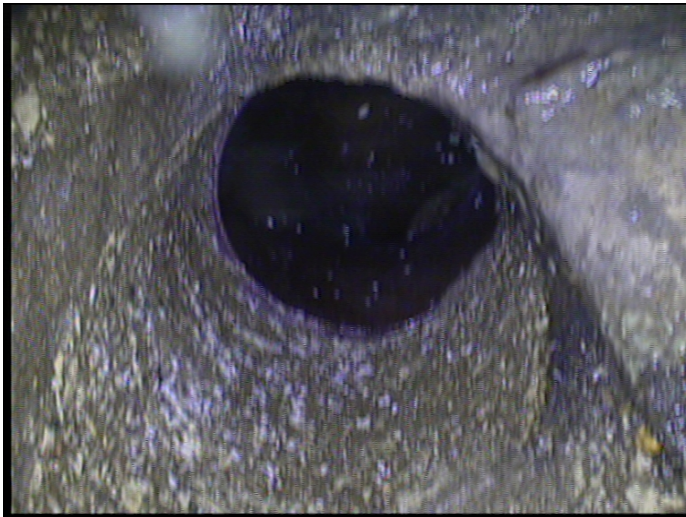
Code: **TBA**
Description: **Tap Break-in Active**

Distance (ft): **220.4**
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: **NO**
Remarks:



Code: **TF**
Description: **Tap Factory**

Distance (ft): **226.7**
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: **NO**
Remarks:



Code: **TF**
Description: **Tap Factory**

Distance (ft): **254.0**
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: **NO**
Remarks:



Code:	CL
Description:	Crack Longitudinal
Distance (ft):	258.3
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	10
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TF
Description:	Tap Factory
Distance (ft):	287.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	10
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: **SAV**
Description: **Surface Aggregate Visible**

Distance (ft): **292.7**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **NO**
Remarks:



Code: **AMH**
Description: **Manhole**

Distance (ft): **295.7**
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: **M-605-057**