Profile/Photo Observation Report

RedZone
ROBOTICS

Date:	**04/19/2018**	Weather:		Coding:	**PACP 6.0**
Pipe Length (ft):	**303.0**	Owner:	**NA**	Pre Clean:	**No Pre-Cleaning**
P.O.#:		Surveyor:	**Justin Gonzales**	PSR:	**P-305-012-002**
Customer:		Clean Date:	**01/01/1900**	Shape:	**C**

Street:	**WALNUT LN**	Flow Control:	**Not Controlled**	
City:	**Hobart, IN**	Year Renewed:		
Location:	**Yard**	Tape/Media #:		
Purpose:	**Routine Assessment**	Dia/Height:	**10"**	
Use:	**Sanitary**	Material:	**PVC**	
Drain Area:	**NA**	Lining:	**Cured in Place**	
Category:	**NA**			
Comment:				
Location Details:		Direction of Survey:	**Upstream**	
US MH:	**M-305-012**	DS MH: **M-305-002**	Total Length Surveyed (ft):	**301.9**

O&M Index:	2.60	O&M Quick:	**4D2K**	O&M Rating:	224.00
Structural Index:	0.00	Structural Quick:	0000	Structural Rating:	0.00
Overall Index:	2.60	Overall Quick:	**4D2K**	Overall Rating:	224.00

	Position	Code	Observation	Video (sec)	Grade
M-305-002					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	1.7	DAZ(S01)	Deposits Attached Other	36	M 2
	5.8	MCU(S02)	Camera Underwater	55	M 4
	10.6	MGO	General Observation	76	NA
	15.6	MCU(F02)	Camera Underwater	100	M 4
	35.5	MCU(S03)	Camera Underwater	151	M 4
	117.5	MCU(F03)	Camera Underwater	326	M 4
	124.8	MCU(S04)	Camera Underwater	352	M 4
	134.5	MCU(F04)	Camera Underwater	383	M 4
	240.8	MWL	Water Level	607	NA
	251.1	MCU(S05)	Camera Underwater	639	M 4
	275.1	MCU(F05)	Camera Underwater	699	M 4
	281.8	MWL	Water Level	724	NA
	284.3	TF	Tap Factory	740	NA
	297.8	MCU	Camera Underwater	779	M 4
	301.9	AMH	Manhole	801	NA
	301.9	DAZ(F01)	Deposits Attached Other	812	M 2

Camera Direction

M-305-012

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-305-002**

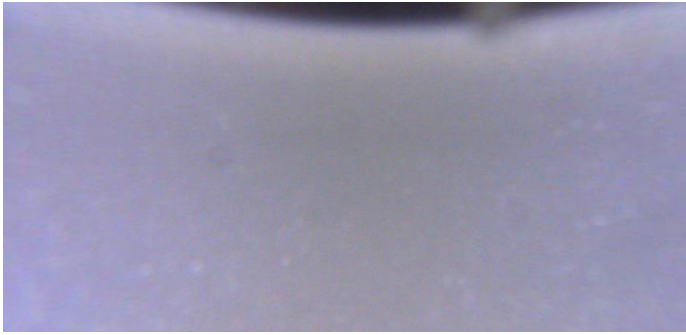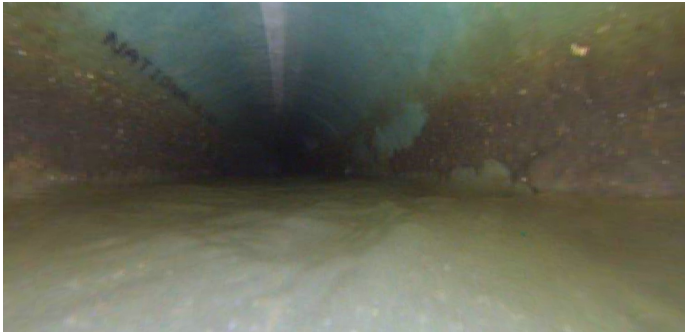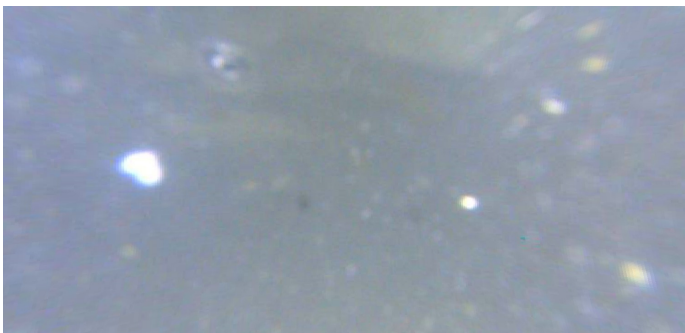Code: **MWL**
Description: **Water Level**

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: **DAZ**
Description: **Deposits Attached Other**

Distance (ft): **1.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks: **WANDER**

Code:	**MCU**
Description:	**Camera Underwater**
Distance (ft):	**5.8**
Structural Grade:	**0**
O&M Grade:	**4**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	**S02**
Within 8" of Joint:	**NO**
Remarks:	

Code:	**MGO**
Description:	**General Observation**
Distance (ft):	**10.6**
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:	**FLOW TO HIGH**

Code: **MCU**
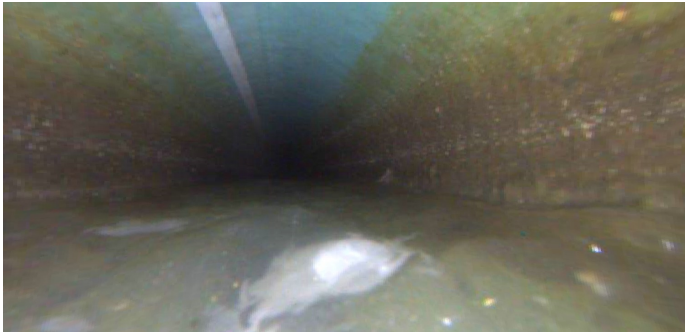Description: **Camera Underwater**

Distance (ft): **15.6**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:

Code: **MCU**
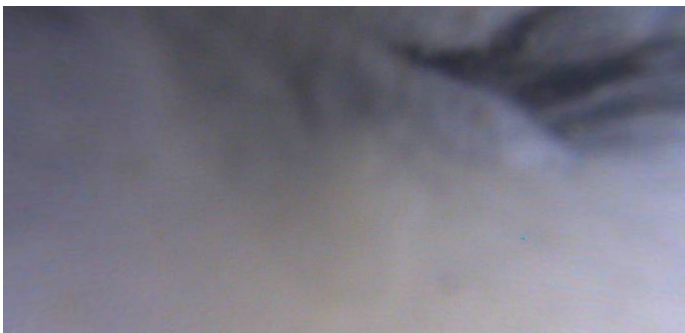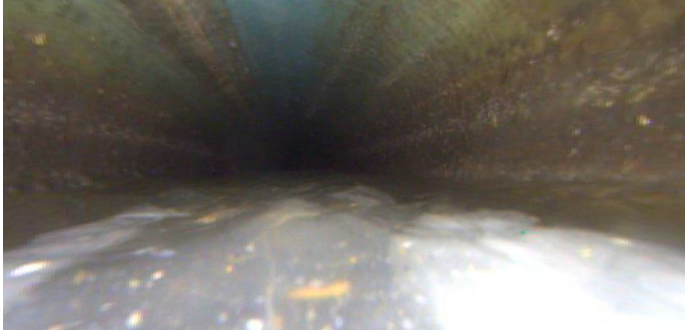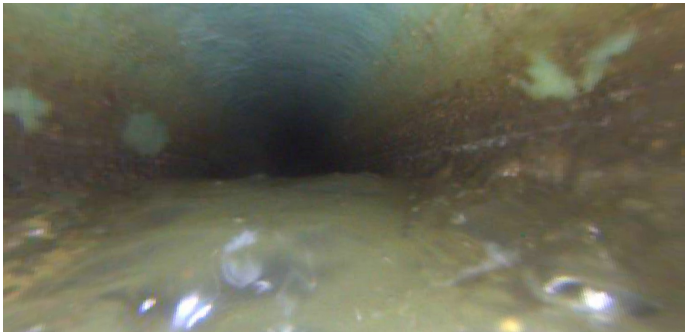Description: **Camera Underwater**

Distance (ft): **35.5**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **NO**
Remarks:

Code:	**MCU**
Description:	**Camera Underwater**
Distance (ft):	**117.5**
Structural Grade:	**0**
O&M Grade:	**4**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	**F03**
Within 8" of Joint:	**NO**
Remarks:	

Code:	**MCU**
Description:	**Camera Underwater**
Distance (ft):	**124.8**
Structural Grade:	**0**
O&M Grade:	**4**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	**S04**
Within 8" of Joint:	**NO**
Remarks:	

Code:	**MCU**
Description:	**Camera Underwater**
Distance (ft):	**134.5**
Structural Grade:	**0**
O&M Grade:	**4**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	**F04**
Within 8" of Joint:	**NO**
Remarks:	

Code:	**MWL**
Description:	**Water Level**
Distance (ft):	**240.8**
Structural Grade:	**0**
O&M Grade:	**0**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	**20.000**
Continuous Index:	
Within 8" of Joint:	**NO**
Remarks:	
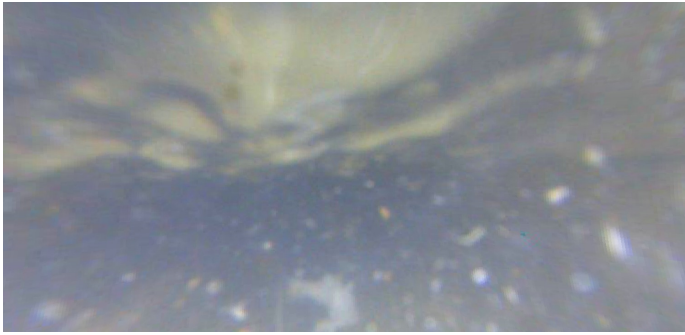
Code:	**MCU**
Description:	**Camera Underwater**
Distance (ft):	**251.1**
Structural Grade:	**0**
O&M Grade:	**4**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	**S05**
Within 8" of Joint:	**NO**
Remarks:	

Code:	**MCU**
Description:	**Camera Underwater**
Distance (ft):	**275.1**
Structural Grade:	**0**
O&M Grade:	**4**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	**F05**
Within 8" of Joint:	**NO**
Remarks:	
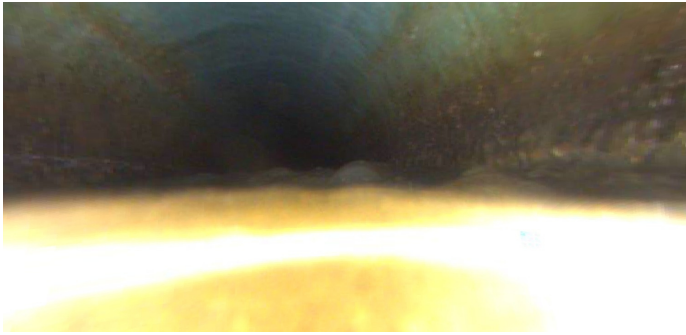
Code:	**MWL**
Description:	**Water Level**
Distance (ft):	**281.8**
Structural Grade:	**0**
O&M Grade:	**0**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	**20.000**
Continuous Index:	
Within 8" of Joint:	**NO**
Remarks:	

Code:	**TF**
Description:	**Tap Factory**
Distance (ft):	**284.3**
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:	
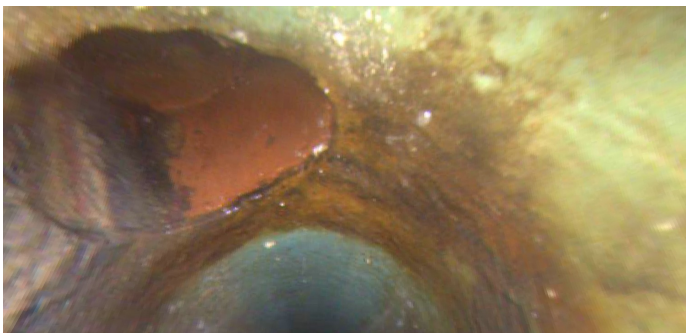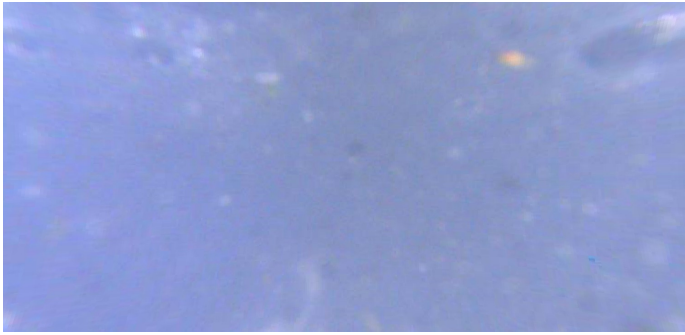
Code:	**MCU**
Description:	**Camera Underwater**
Distance (ft):	**297.8**
Structural Grade:	**0**
O&M Grade:	**4**
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	**NO**
Remarks:	

Code:	**AMH**
Description:	**Manhole**
Distance (ft):	**301.9**
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:	**M-305-012**

Code:	**DAZ**
Description:	**Deposits Attached Other**
Distance (ft):	**301.9**
Structural Grade:	**0**
O&M Grade:	**2**
Clock Start/From:	**7**
Clock To:	**5**
1st Value:	
2nd Value:	
Value Percent:	**5.000**
Continuous Index:	**F01**
Within 8" of Joint:	**YES**
Remarks:	**WANDER**