

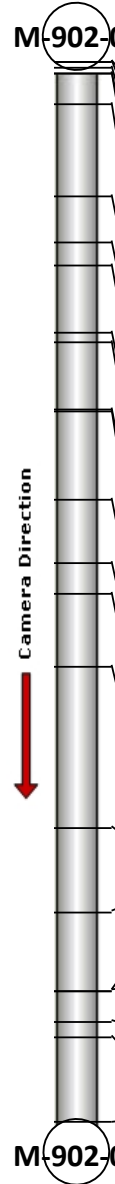
Profile/Photo Observation Report

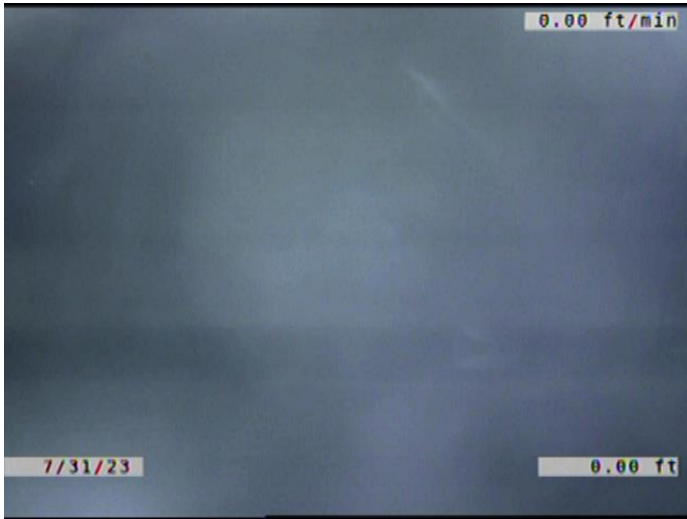


Date:	07/31/2023	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	282.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-902-027-023
Customer:	City of Hobart	Clean Date:	05/19/2023	Shape:	C

Street:	East 34th Avenue	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Easement/Right of Way	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	18"
Use:	Sanitary Sewage Pipe	Material:	RCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-902-027	DS MH:	M-902-023
		Total Length Surveyed (ft):	280.4

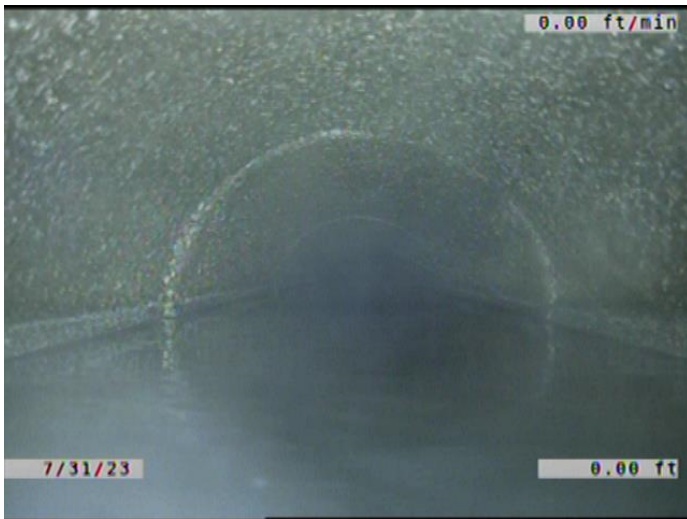
O&M Index:	1.06	O&M Quick:	221E	O&M Rating:	36.00
Structural Index:	4.96	Structural Quick:	5D41	Structural Rating:	139.00
Overall Index:	2.82	Overall Quick:	5D41	Overall Rating:	175.00

	Position	Code	Observation	Video (sec)	Grade
 <p>Camera Direction</p> <p>M-902-027</p> <p>M-902-023</p>	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	61	NA
	1.4	MWL	Miscellaneous Water Level	82	NA
	3.1	SMW(S01)	Surface Damage Missing Wall	144	S 5
	3.1	RFJ	Roots Fine Joint	157	M 1
	11.3	RFJ(S02)	Roots Fine Joint	226	M 1
	35.4	LR	Line Right	408	M 1
	47.7	LL	Line Left	460	M 1
	53.9	MWL	Miscellaneous Water Level	494	NA
	71.6	LR	Line Right	559	M 1
	74.4	MWL	Miscellaneous Water Level	577	NA
	91.9	OBZ	Obstruction Other	667	M 2
	92.7	MWL	Miscellaneous Water Level	688	NA
	116.0	SAM	Surface Damage Aggregate Missing	785	S 4
	132.8	SMW(F01)	Surface Damage Missing Wall	849	S 5
	140.9	RFJ(F02)	Roots Fine Joint	899	M 1
	159.9	LR	Line Right	965	M 2
	202.5	SRP	Surface Damage Reinforcement Projecting	1085	S 5
	224.9	LD	Line Down	1187	M 1
	246.1	MSC	Miscellaneous Shape/Size Change	1342	NA
	246.1	MGO	Miscellaneous General Observation	1355	NA
	254.0	RFJ	Roots Fine Joint	1433	M 1
	258.2	MWL	Miscellaneous Water Level	1465	NA
	280.4	AMH	Manhole	1740	NA



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-902-027**



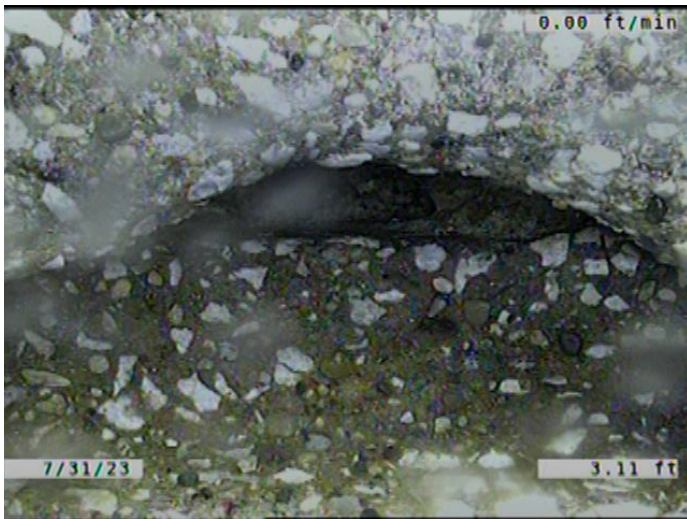
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



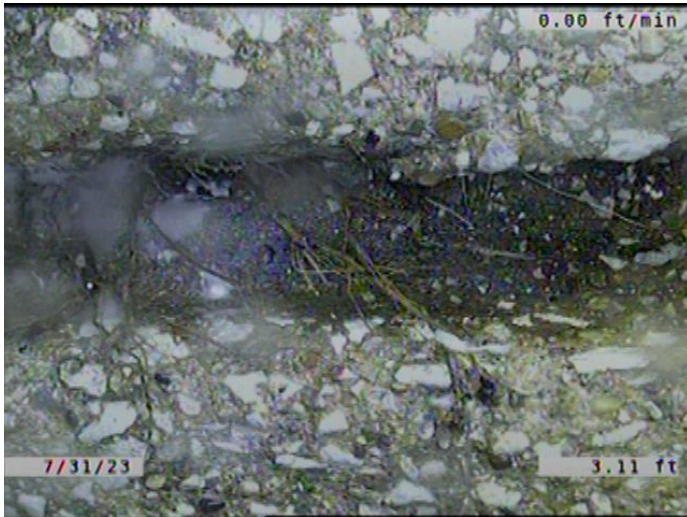
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **1.4**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **60.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



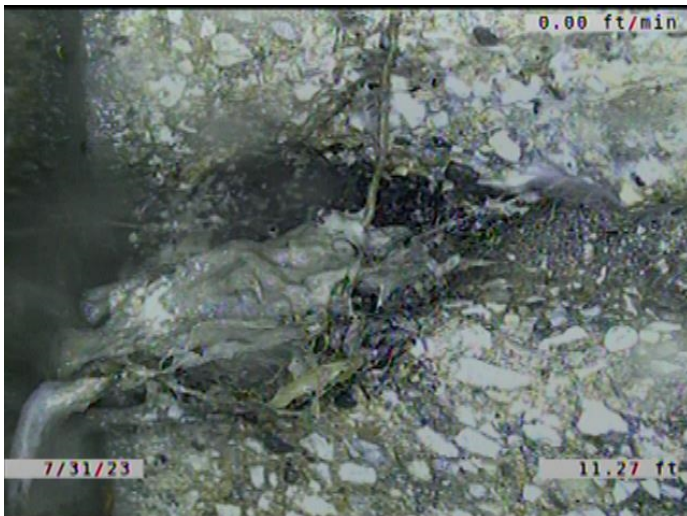
Code: **SMW**
Description: **Surface Damage Missing Wall**

Distance (ft): **3.1**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks: **SOIL VISIBLE. AT JOINTS.**



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

Distance (ft): **3.1**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **9**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **11.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



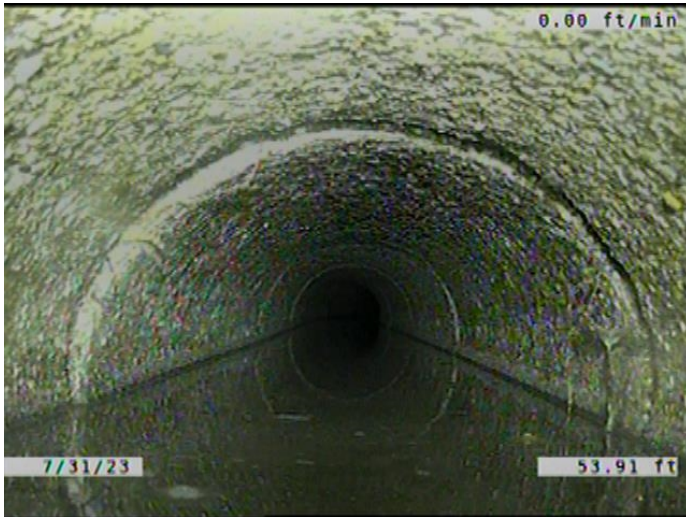
Code: **LR**
Description: **Line Right**

Distance (ft): **35.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code: **LL**
Description: **Line Left**

Distance (ft): **47.7**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



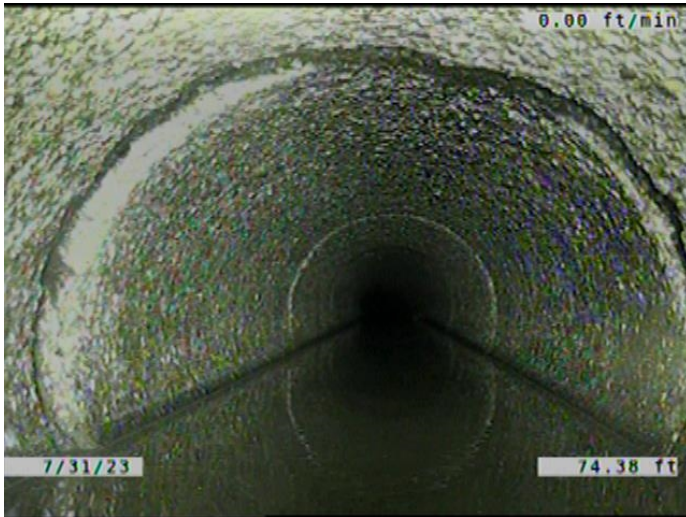
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **53.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **45.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



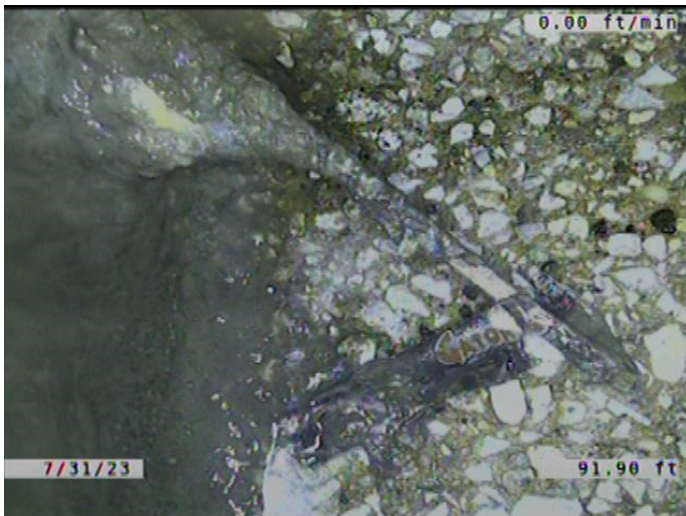
Code: **LR**
Description: **Line Right**

Distance (ft): **71.6**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **74.4**
 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:



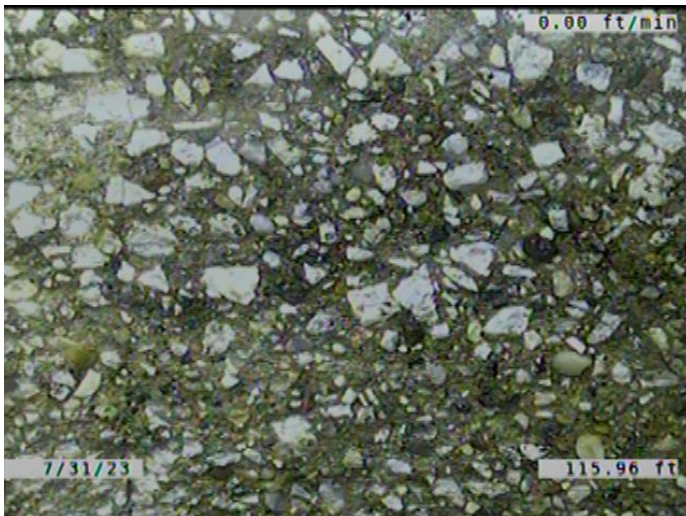
Code: **OBZ**
 Description: **Obstruction Other**

Distance (ft): **91.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **6**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **STICK**



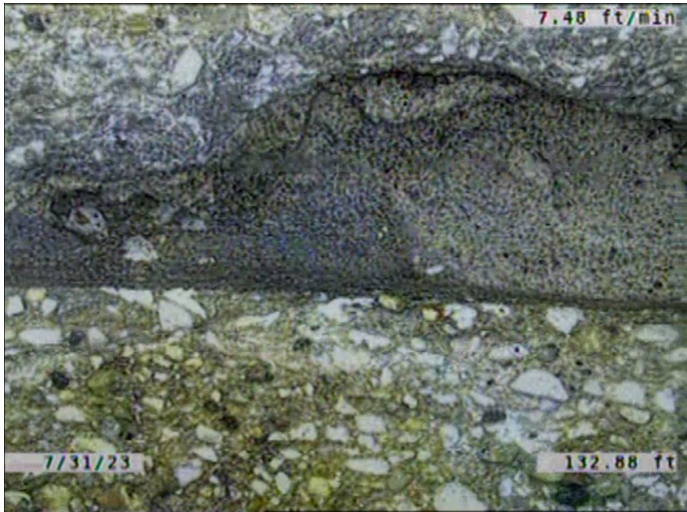
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **92.7**
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: **SAM**
Description: **Surface Damage Aggregate Missing**

Distance (ft): **116.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **SMW**
Description: **Surface Damage Missing Wall**

Distance (ft): **132.8**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks: **SOIL VISIBLE. AT JOINTS.**



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

Distance (ft): **140.9**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks:



Code: **LR**
Description: **Line Right**

Distance (ft): **159.9**
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: **NO**
Remarks:



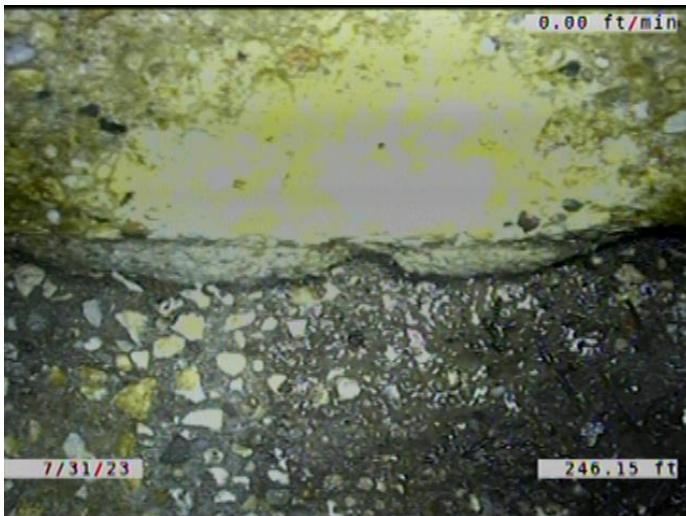
Code: **SRP**
Description: **Surface Damage Reinforcement Projecting**

Distance (ft): **202.5**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **10**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **LD**
Description: **Line Down**

Distance (ft): **224.9**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

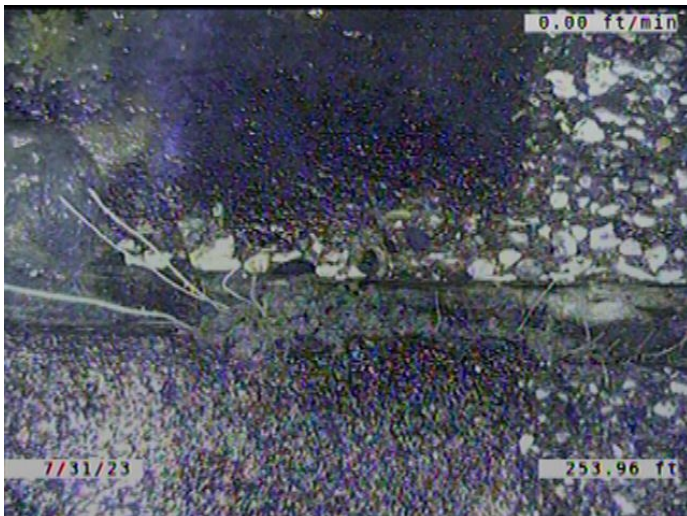


Code: **MSC**
Description: **Miscellaneous Shape/Size Change**

Distance (ft): **246.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value: **21.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



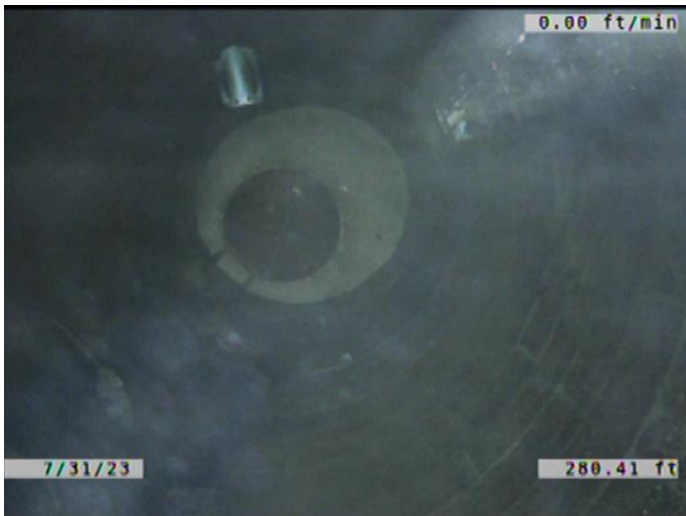
Code:	MGO
Description:	Miscellaneous General Observation
Distance (ft):	246.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	18" RCP TO 21" RCP



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	254.0
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	12
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	MWL
Description:	Miscellaneous Water Level
Distance (ft):	258.2
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	25.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code:	AMH
Description:	Manhole
Distance (ft):	280.4
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-902-023