


Profile/Photo Observation Report



Date:	03/20/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	237.2	Owner:	NA	Pre Clean:	No Pre-Cleaning
P.O.#:		Surveyor:	John Kuglmaier	PSR:	P-209-012-013
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	ALLEY BETWEEN MINNESOTA ST & C	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Light Highway	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	8"
Use:	Sanitary	Material:	VCP
Drain Area:	NA	Lining:	
Category:	NA		
Comment:	O_C at 76 ft can see last image and cant find MH . Flow wrong		
Location Details:		Direction of Survey:	Upstream
US MH:	M-209-013	DS MH:	M-209-012
		Total Length Surveyed (ft):	78.0

O&M Index:	2.18	O&M Quick:	4433	O&M Rating:	61.00
Structural Index:	2.00	Structural Quick:	2100	Structural Rating:	2.00
Overall Index:	2.17	Overall Quick:	4433	Overall Rating:	63.00

	Position	Code	Observation	Video (sec)	Grade
M-209-012					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	12.6	RFC	Roots Fine Connection	58	M 1
	12.7	TFD	Tap Factory Defective	70	M 2
	12.7	DAR	Deposits Attached Ragging	81	M 2
	14.0	RFJ	Roots Fine Joint	96	M 1
	14.8	TF	Tap Factory	109	NA
	15.3	DAZ(S01)	Deposits Attached Other	121	M 2
	28.5	RFJ	Roots Fine Joint	159	M 1
	32.1	MWL	Water Level	178	NA
	36.3	RFJ	Roots Fine Joint	198	M 1
	43.9	MWL	Water Level	224	NA
	44.5	RMJ	Roots Medium Joint	237	M 3
	45.3	TFD	Tap Factory Defective	250	M 2
	45.3	RBC	Roots Ball Connection	262	M 4
	46.7	CL	Crack Longitudinal	276	S 2
	46.7	DAR	Deposits Attached Ragging	288	M 2
	46.8	RFJ	Roots Fine Joint	300	M 1
	50.6	DAZ(F01)	Deposits Attached Other	319	M 2
	50.6	MGO	General Observation	333	NA
	50.6	DAZ(S02)	Deposits Attached Other	344	M 2
	52.1	TFD	Tap Factory Defective	359	M 2
	52.1	RML	Roots Medium Lateral	370	M 3
	53.4	RFJ	Roots Fine Joint	384	M 1
	58.7	DAZ(F02)	Deposits Attached Other	407	M 2
	58.7	MCU	Camera Underwater	418	M 4
	61.4	DAZ(S03)	Deposits Attached Other	436	M 2
	61.7	RMJ	Roots Medium Joint	448	M 3
	65.6	DAZ(F03)	Deposits Attached Other	468	M 2
	65.6	MCU(S04)	Camera Underwater	479	M 4
	75.8	MCU(F04)	Camera Underwater	514	M 4
	75.8	MGO	General Observation	525	NA
	78.0	MSA	Abandoned Survey	545	NA
M-209-013					

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-209-012**

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: **RFC**
Description: **Roots Fine Connection**



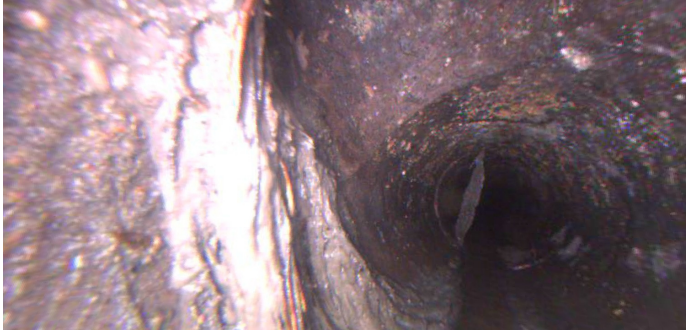
Distance (ft): **12.6**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **11**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **12.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **Roots**

Code: **DAR**
Description: **Deposits Attached Ragging**



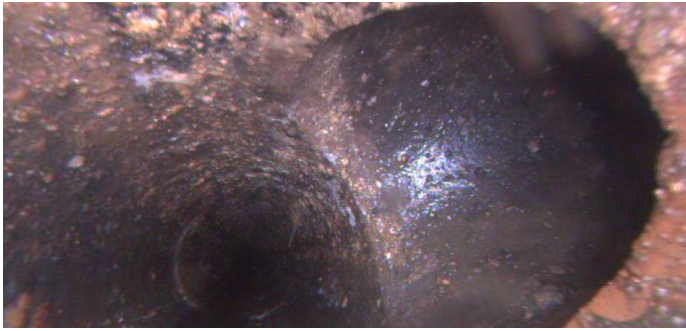
Distance (ft): **12.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **10**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **14.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **11**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



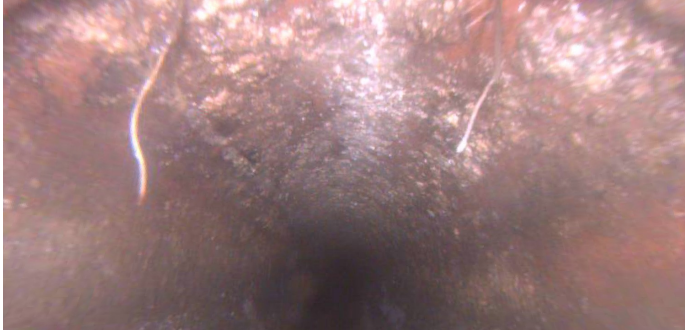
Distance (ft): **14.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **15.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S01**
Within 8" of Joint: **NO**
Remarks: **Mixed materials**

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



Distance (ft): **28.5**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **32.1**
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: **RFJ**
Description: **Roots Fine Joint**



Distance (ft): **36.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



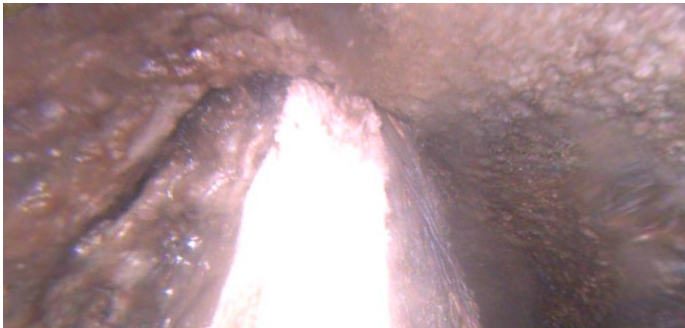
Distance (ft): **43.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **35.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



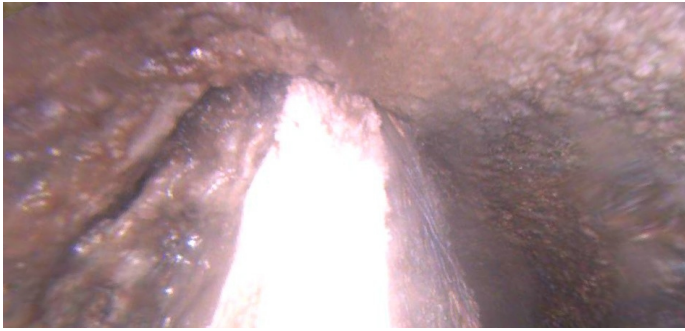
Distance (ft): **44.5**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **2**
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **45.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **Roots**

Code: **RBC**
Description: **Roots Ball Connection**



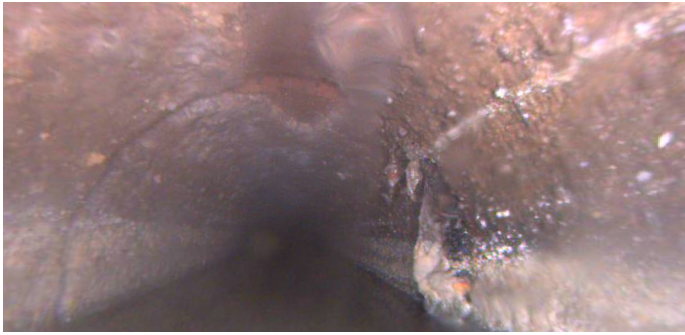
Distance (ft): **45.3**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From: **11**
Clock To:
1st Value:
2nd Value:
Value Percent: **100.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **46.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **DAR**
Description: **Deposits Attached Ragging**



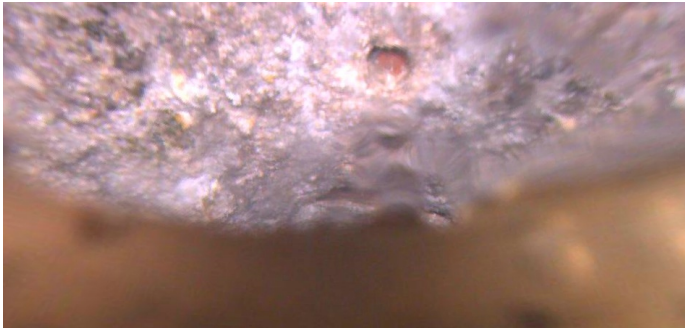
Distance (ft): **46.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **46.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **50.6**
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: **NO**
Remarks: **Mixed materials / Clock positions vary**

Code: **MGO**
Description: **General Observation**



Distance (ft): **50.6**
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: **Switching to rear camera**

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



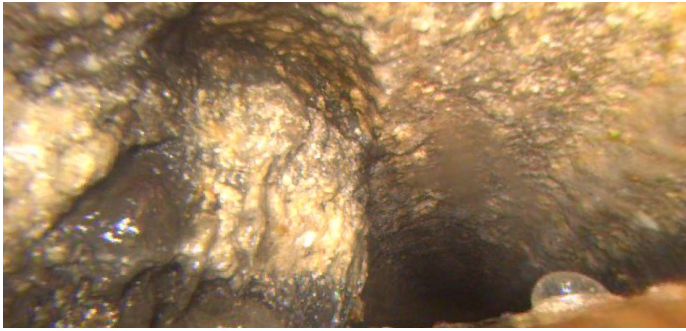
Distance (ft): **50.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S02**
Within 8" of Joint: **NO**
Remarks: **Mixed materials**

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



Distance (ft): **52.1**
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:
Remarks: **Roots**

Code: **RML**
Description: **Roots Medium Lateral**



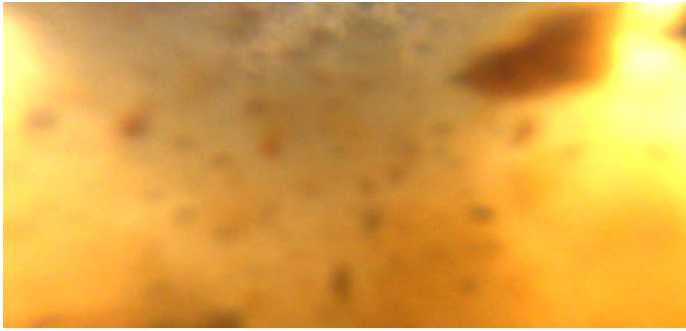
Distance (ft): **52.1**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **1**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



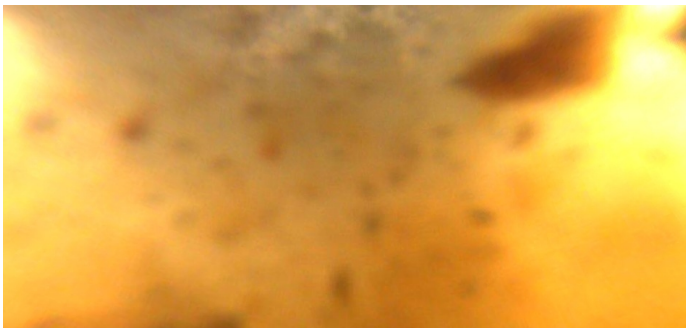
Distance (ft): **53.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **12**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



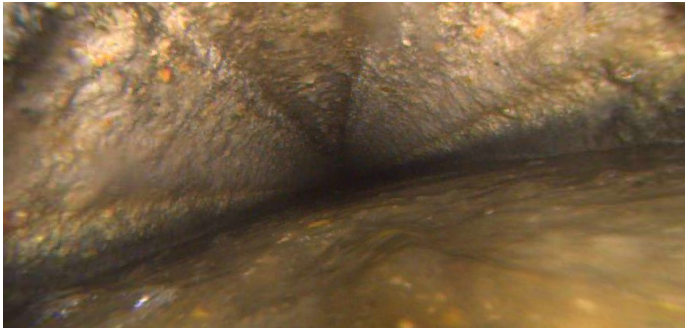
Distance (ft): **58.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks: **Mixed materials / Clock positions vary**

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



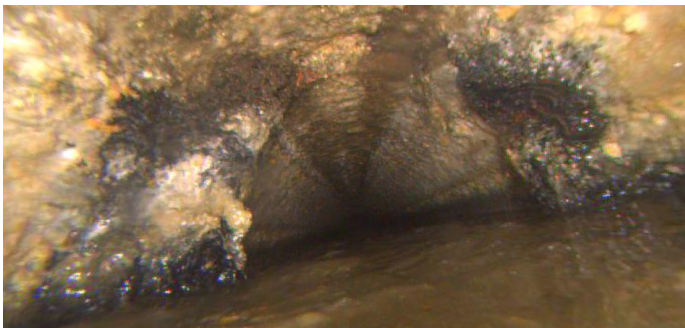
Distance (ft): **58.7**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



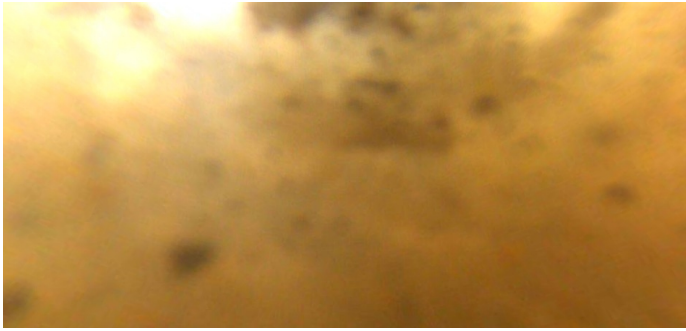
Distance (ft): **61.4**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S03**
Within 8" of Joint: **NO**
Remarks: **Mixed materials**

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



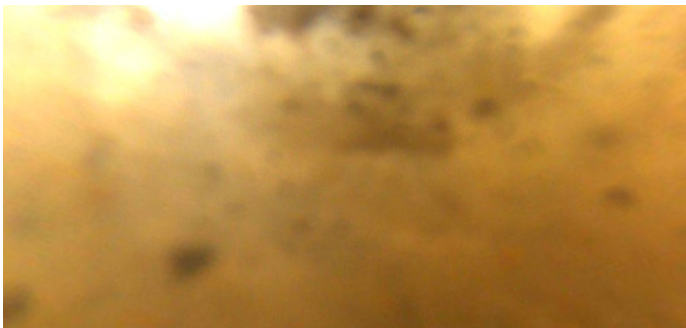
Distance (ft): **61.7**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **65.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F03**
Within 8" of Joint: **NO**
Remarks: **Mixed materials / Clock positions vary**

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



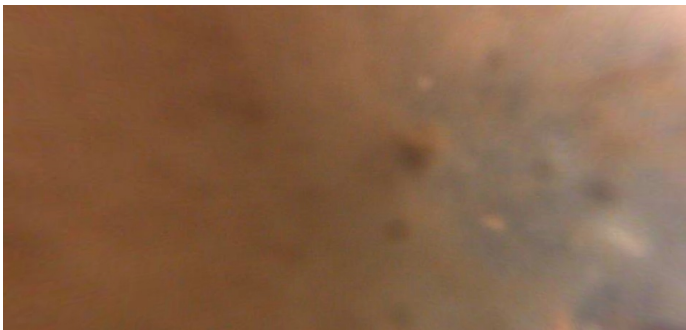
Distance (ft): **65.6**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S04**
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **75.8**
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: **MGO**
Description: **General Observation**



Distance (ft): **75.8**
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: **Switching to front camera**



Code:	MSA
Description:	Abandoned Survey
Distance (ft):	78.0
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:	Unknown