

Profile/Photo Observation Report

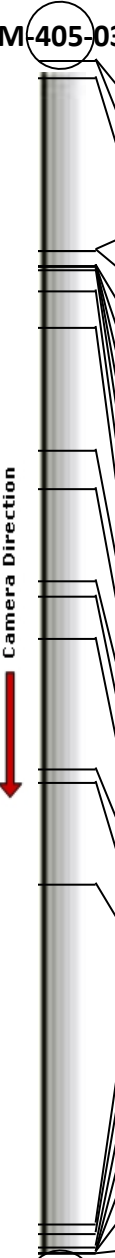


Date:	04/19/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	318.6	Owner:	NA	Pre Clean:	No Pre-Cleaning
P.O.#:		Surveyor:	Byrd Fitzgerald	PSR:	P-405-036-035
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	ALLEY BETWEEN SOFTWOOD DR & C	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Yard	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	8"
Use:	Sanitary	Material:	PVC
Drain Area:	NA	Lining:	
Category:	NA		
Comment:	P_C At 173 ft roots		

Location Details:		Direction of Survey:	Downstream
US MH:	M-405-035	DS MH:	M-405-036
		Total Length Surveyed (ft):	175.0

O&M Index:	1.48	O&M Quick:	4131	O&M Rating:	77.00
Structural Index:	2.97	Structural Quick:	3D21	Structural Rating:	86.00
Overall Index:	2.01	Overall Quick:	413D	Overall Rating:	163.00

	Position	Code	Observation	Video (sec)	Grade
M-405-035					
 Camera Direction	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	2.6	TF	Tap Factory	38	NA
	27.9	MMC	Material Change	101	NA
	27.9	MWL	Water Level	113	NA
	30.1	TFC	Tap Factory Capped	130	NA
	30.1	CL	Crack Longitudinal	141	S 2
	30.1	RFC	Roots Fine Connection	153	M 1
	30.1	RFB	Roots Fine Barrel	164	M 2
	30.7	RFJ(S01)	Roots Fine Joint	177	M 1
	33.7	CM(S02)	Crack Multiple	195	S 3
	39.3	TFC	Tap Factory Capped	218	NA
	57.2	MMC	Material Change	265	NA
	62.8	MWL	Water Level	288	NA
	76.3	MMC	Material Change	327	NA
	78.7	DAZ(S03)	Deposits Attached Other	345	M 2
	84.7	MMC	Material Change	368	NA
	104.1	TF	Tap Factory	419	NA
	105.9	TF	Tap Factory	436	NA
	120.9	MMC	Material Change	478	NA
	170.7	MWL	Water Level	589	NA
	172.1	RMJ	Roots Medium Joint	603	M 3
	174.1	RBJ	Roots Ball Joint	619	M 4
	175.0	MSA	Abandoned Survey	632	NA
	175.0	DAZ(F03)	Deposits Attached Other	643	M 2
	175.0	CM(F02)	Crack Multiple	654	S 3
	175.0	RFJ(F01)	Roots Fine Joint	665	M 1
M-405-036					

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

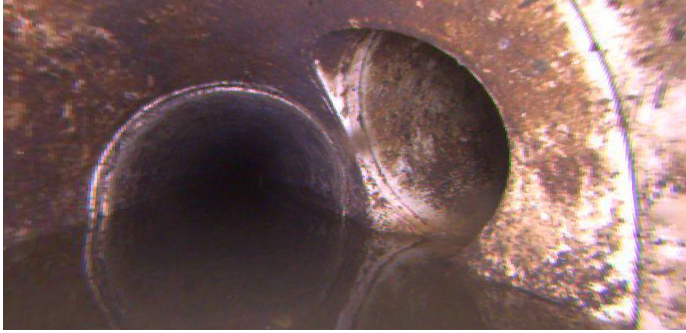


Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **M-405-035**

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

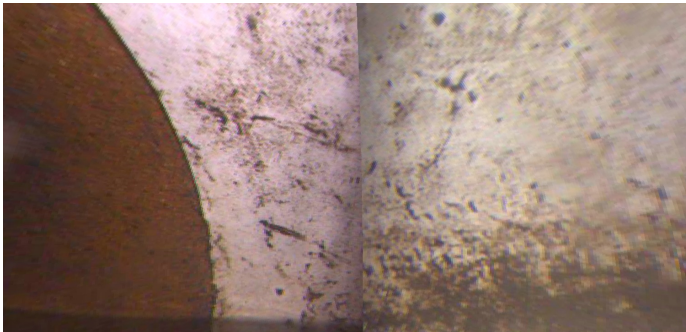


Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **2.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **MMC**
Description: **Material Change**

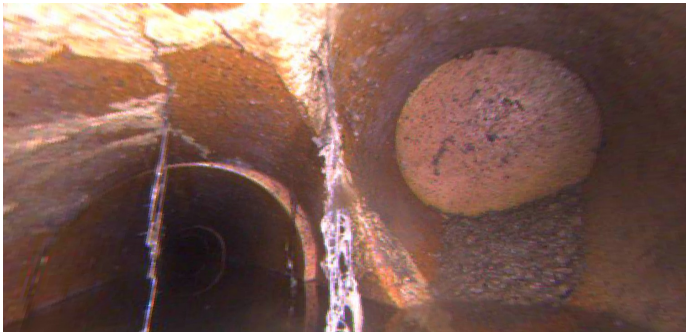
Distance (ft): **27.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **vcp**

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



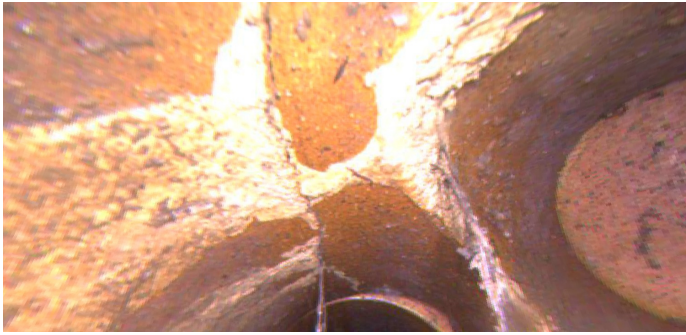
Distance (ft): **27.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

Code: **TFC**
Description: **Tap Factory Capped**



Distance (ft): **30.1**
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: **YES**
Remarks:

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



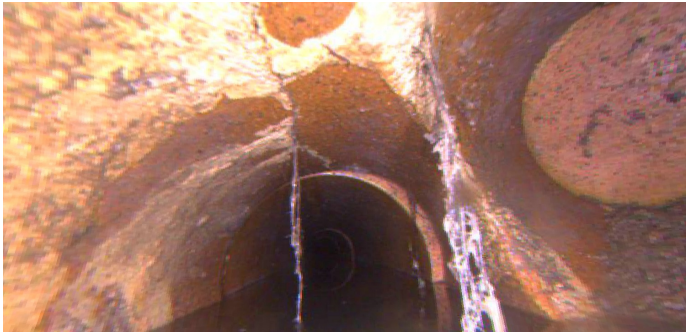
Distance (ft): **30.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



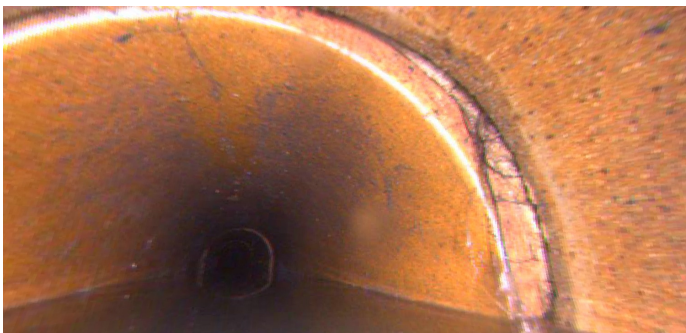
Distance (ft): **30.1**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **1**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

Code: **RFB**
Description: **Roots Fine Barrel**



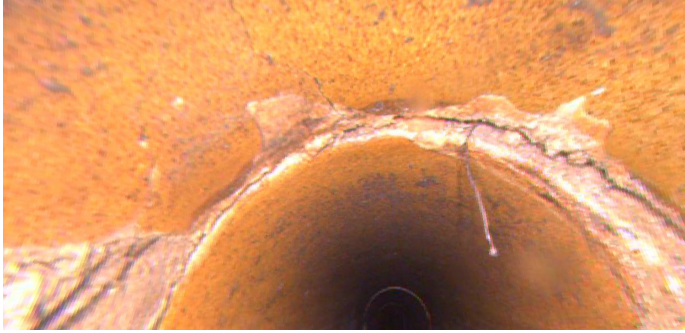
Distance (ft): **30.1**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **30.7**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks: **wandering**

Code: **CM**
Description: **Crack Multiple**



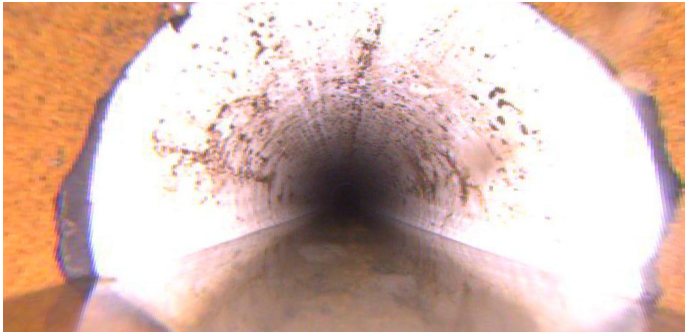
Distance (ft): **33.7**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks: **wnadering**

Code: **TFC**
Description: **Tap Factory Capped**



Distance (ft): **39.3**
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: **YES**
Remarks:

Code: **MMC**
Description: **Material Change**



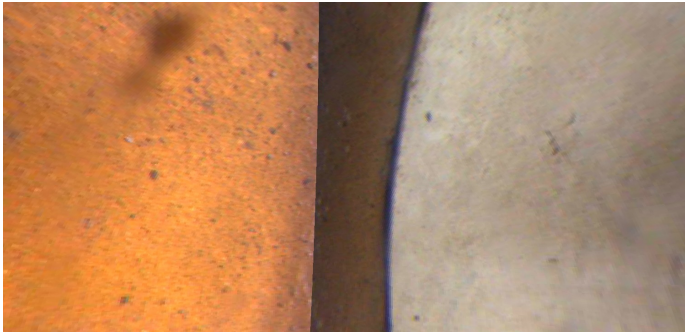
Distance (ft): **57.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **pvc**

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



Distance (ft): **62.8**
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: **MMC**
Description: **Material Change**

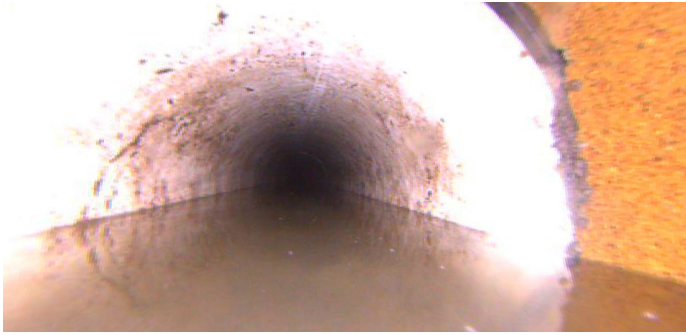


Distance (ft): **76.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **vcp**

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



Distance (ft): **78.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks: **wandering**

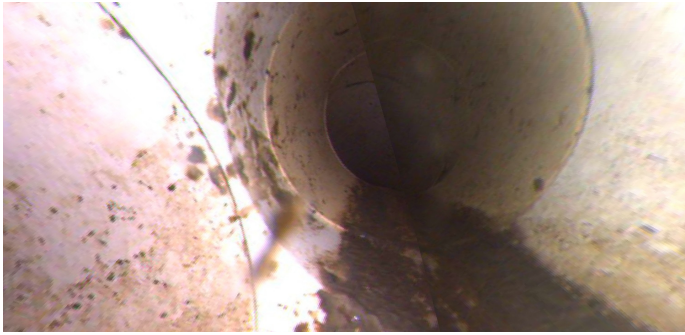


Code:	MMC
Description:	Material Change
Distance (ft):	84.7
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	pvc



Code:	TF
Description:	Tap Factory
Distance (ft):	104.1
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:	YES
Remarks:	

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



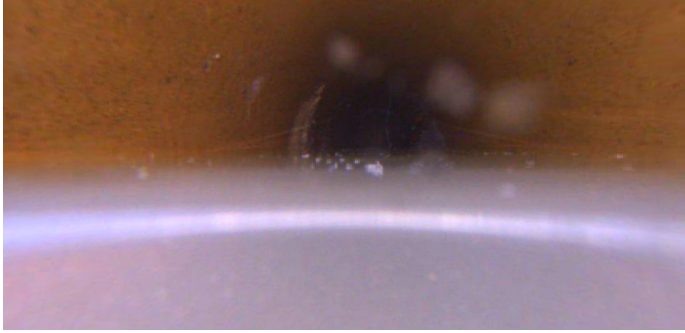
Distance (ft): **105.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **MMC**
Description: **Material Change**



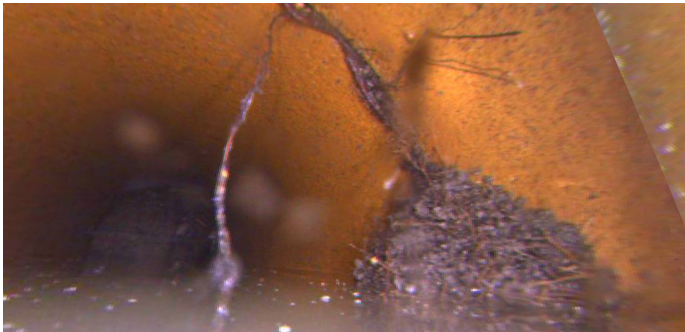
Distance (ft): **120.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **vcp**

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



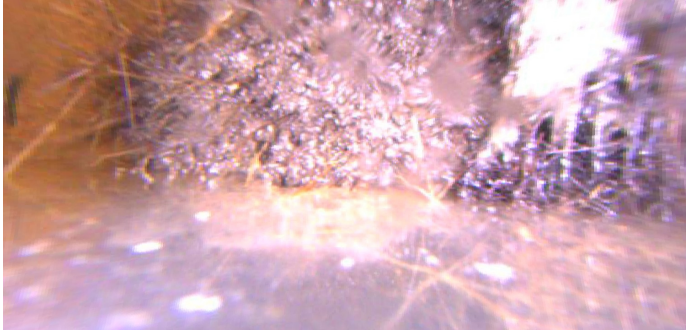
Distance (ft): **170.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



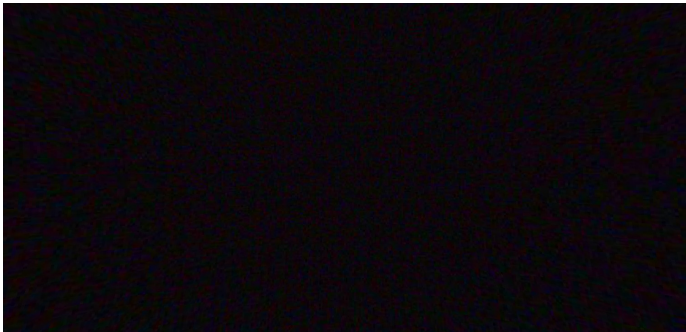
Distance (ft): **172.1**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **3**
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **RBJ**
Description: **Roots Ball Joint**



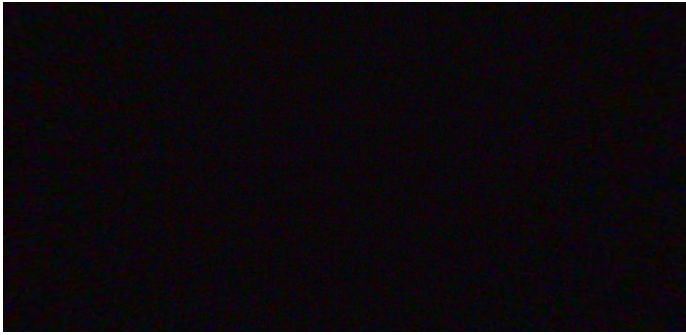
Distance (ft): **174.1**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **100.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



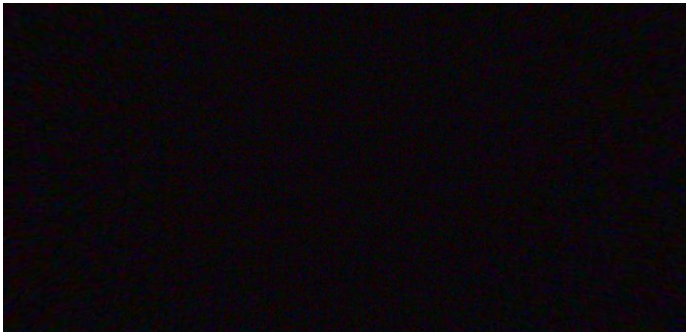
Distance (ft): **175.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **rbj**

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

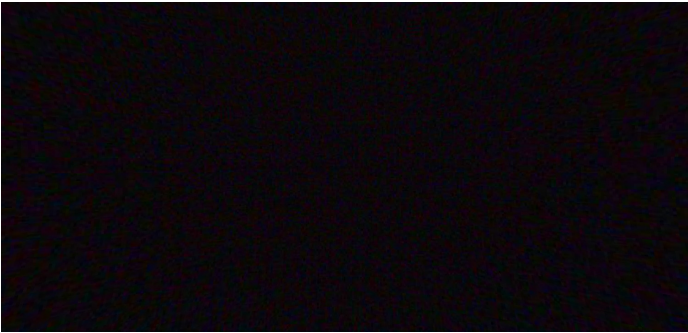


Distance (ft): **175.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks: **wandering**

Code: **CM**
Description: **Crack Multiple**



Distance (ft): **175.0**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks: **wnadering**



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	175.0
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	2
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F01
Within 8" of Joint:	YES
Remarks:	wandering