



THE CITY OF
MT. PLEASANT, MICHIGAN

CITY HALL

320 W. Broadway • 48858-2447
(989) 779-5300
(989) 773-4691 fax

PUBLIC SAFETY

804 E. High • 48858-3595
(989) 779-5100
(989) 773-4020 fax

PUBLIC WORKS

1303 N. Franklin • 48858-4682
(989) 779-5400
(989) 772-6250 fax

PRE-BID ADDENDUM 1

Project Bid: 2015 Sewer Relining Project

Bid Time & Date:

1:30 PM, Tuesday, October 6, 2015 (No Change)

Opening: Office of City Clerk
City of Mt. Pleasant
320 W. Broadway Street
Mount Pleasant, MI 49958

Addendum Issued By:

City of Mt. Pleasant
Division of Public Works
1303 North Franklin Street
Mount Pleasant, MI 48858

Date Issued: September 23, 2015

Intent:

1. To specify the sizes and amount of sewer pipe
2. To eliminate section 6536 (90' of 10" pipe)
3. To provide televising report results and overview map for informational purposes.

Bid Proposal: Changed. See attached.

Specifications: No change.

[Form24a]

City of Mt. Pleasant, Michigan
BID PROPOSAL
2015 Sewer Relining Project

TO: City Clerk
City Hall
320 W. Broadway Street
Mt. Pleasant, MI 48858

BID DATE: October 6, 2015
TIME: 1:30 p.m.

The undersigned, as Bidder, hereby declares that this bid is made in good faith without fraud or collusion with any person or persons bidding of the same Contract; that he has carefully read and examined the Contract Documents, including the Notice to Bidders, Instructions, Bond Forms, Technical and Detailed Specifications, and Contract Drawings, for the designated work and understands all of the same; that he, or his representative, has made such a personal investigation at the site as is necessary to determine the character and difficulties attending the execution of the proposed work; and he proposes and agrees that if this Proposal is accepted, he will contract with the Owner in the form of the Contract hereto annexed, to provide necessary machinery, tools, apparatus and other means of construction, including utility and transportation services, necessary to do all the work and furnish all the materials and equipment specified or referred to in the Contract Documents, including Addenda No. __, __, and __, in the manner and time therein prescribed, and according to the requirements of the Owner as therein set forth to furnish Contractor Bonds and Insurance required of the Contractor by the Contract Documents, and that he will take in full payment therefore the unit prices set forth in the following Proposal.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any irregularities in the bidding.

The Bidder agrees that his bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving the bids.

Upon receipt of a written Notice of Award of the Bid, the Bidder shall execute the formal Contract Agreement attached hereto within ten (10) days and shall deliver to the Owner a Surety Bond or Bonds required. In the event the Contract and Bond are not executed within the time above set forth, the Bid Deposit attached in the sum of five percent (5%) of the Bid Proposal shall become the property of the Owner as liquidated damages for the delay and additional expense to the Owner caused thereby.

The Bidder hereby agrees to commence work under this Contract on or before the date to be specified in the written Notice to Proceed executed by the Owner and to fully complete the project as stipulated in the Special Conditions of these Specifications. The Bidder further agrees to pay as liquidated damages the sum indicated in the Special Conditions for each consecutive calendar day thereafter, until substantial completion, that is when all work items in the proposal are complete and notification of substantial completion of work items and final quantities is given to the Director of Public Works by the contractor.

The below unit prices shall include all labor, materials, overhead, profit, insurance, etc., to cover the finished work of the several kinds specified, and the Bidder agrees to perform all of the work described in the Specifications and/or shown on the Plans for the following unit prices:

| ITEM NO. | DESCRIPTION | QTY | UNIT | UNIT COST | TOTAL |
|----------|---------------------------------|-------|------|------------------|----------|
| 1 | Sewer/Cured in Place Pipe – 8” | 3,871 | LFT | \$ _____ | \$ _____ |
| 2 | Sewer/Cured in Place Pipe – 10” | 1,111 | LFT | \$ _____ | \$ _____ |
| 3 | Sewer/Cured in Place Pipe – 12” | 180 | LFT | \$ _____ | \$ _____ |
| 4 | Sewer/Cured in Place Pipe – 15” | 99 | LFT | \$ _____ | \$ _____ |
| 5 | Reinstate Service Connection | 109 | EA | \$ _____ | \$ _____ |
| | | | | TOTAL BID | \$ _____ |

_____ and ____/100 DOLLARS
(written)

RESPECTFULLY SUBMITTED,

Company Name _____

Address _____

City _____ ST _____ ZIP CODE _____

Phone _____ Fax _____

Email _____

Authorized Signature _____

Print or Type Name and Title _____

Date _____

EXPERIENCE QUESTIONNAIRE
TO BE FURNISHED BY BIDDER
CITY OF MOUNT PLEASANT, MICHIGAN

The signatory of this proposal guarantees the truth and accuracy of all statements and of all answers hereinafter made.

1. How many years have you been in business as a contractor under your present name?

2. How many years have you been a principal officer of a firm under a different name?

Name of Firm _____

3. What projects of a similar nature has your organization contracted for within the past five years? (NOTE: Fill out each blank completely.)

| Name of Owner & Location | Name/Address/Phone # of Person in Charge as Reference | Type of Work | Value of Work | Date Completed |
|--------------------------|---|--------------|---------------|----------------|
| 1. | _____ | _____ | _____ | _____ |
| 2. | _____ | _____ | _____ | _____ |
| 3. | _____ | _____ | _____ | _____ |
| 4. | _____ | _____ | _____ | _____ |
| 5. | _____ | _____ | _____ | _____ |
| 6. | _____ | _____ | _____ | _____ |

2015 SEWER RELINING PROJECT

SEGMENTS

| FetID | Diameter | Material | UpperfetID | LowerfetID | Upper_IDNum | Lower_IDNum | Length |
|-------|----------|----------|------------|------------|-------------|-------------|--------|
| 7247 | 8 | VCP | 124 | 1653 | B-54 | B-53 | 355 |
| 6892 | 8 | Conc | 97 | 99 | B-64 | B-63 | 367 |
| 6893 | 8 | Conc | 99 | 100 | B-63 | B-60 | 249 |
| 6879 | 8 | Conc | 100 | 103 | B-60 | B-59 | 389 |
| 6880 | 8 | Conc | 103 | 104 | B-59 | B-58 | 205 |
| 6894 | 8 | Conc | 104 | 1653 | B-58 | B-53 | 239 |
| 6569 | 8 | Conc | 309 | 1498 | C-49 | C-48 | 307 |
| 6451 | 10 | Conc | 617 | 607 | A-48 | A-47 | 230 |
| 6452 | 10 | Conc | 607 | 605 | A-47 | A-46 | 201 |
| 6470 | 12 | RCP | 604 | 605 | A-55 | A-46 | 180 |
| 5491 | 15 | Conc | 534 | 1548 | G-9A | G-9 | 48 |
| 5490 | 15 | Conc | 380 | 534 | G-10 | G-9A | 51 |
| 5635 | 8 | Conc | 1658 | 462 | G-64 | G-63 | 233 |
| 5636 | 8 | Conc | 474 | 1658 | G-65 | G-64 | 285 |
| 5866 | 8 | Conc | 516 | 517 | G-106 | G-105 | 180 |
| 5867 | 8 | Conc | 517 | 513 | G-105 | G-104A | 329 |
| 6367 | 10 | Conc | 712 | 708 | C-144 | C-143 | 356 |
| 6368 | 8 | Conc | 708 | 709 | C-143 | C-142 | 29 |
| 6365 | 8 | RCP | 839 | 711 | C-146 | C-145 | 54 |
| 8015 | 8 | Conc | 840 | 839 | C-147 | C-146 | 317 |
| 6366 | 8 | RCP | 711 | 712 | C-145 | C-144 | 73 |
| 6320 | 8 | RCP | 841 | 840 | C-148 | C-147 | 260 |
| 6489 | 8 | Conc | 1468 | 363 | C-8 | C-7 | 333 |
| 8007 | 10 | Conc | 310 | 311 | | C-46 | 172 |
| 6855 | 10 | Conc | 1653 | 1654 | B-53 | B-49 | 149 |

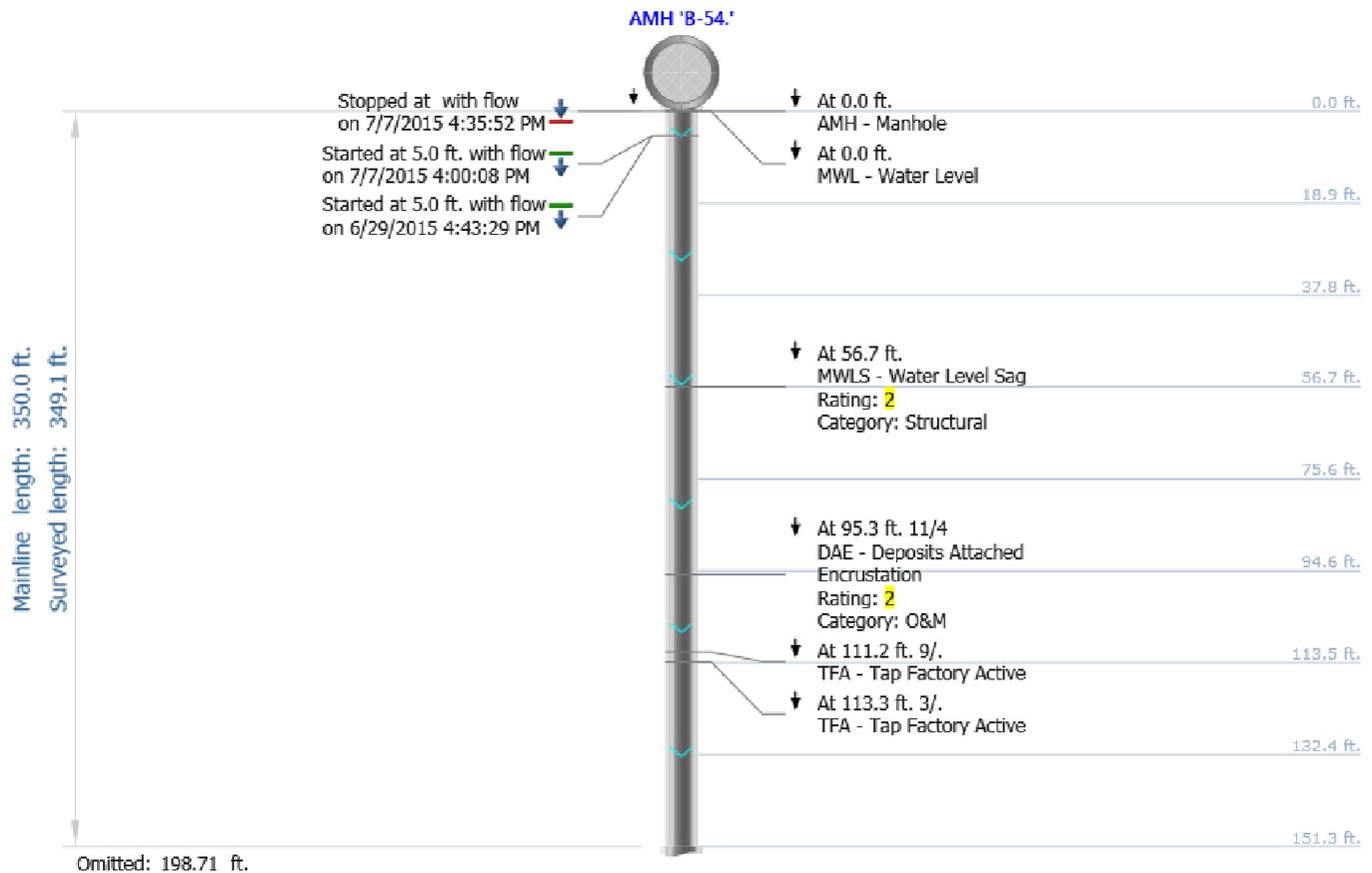
Main Inspections Pipe Run and Scoring

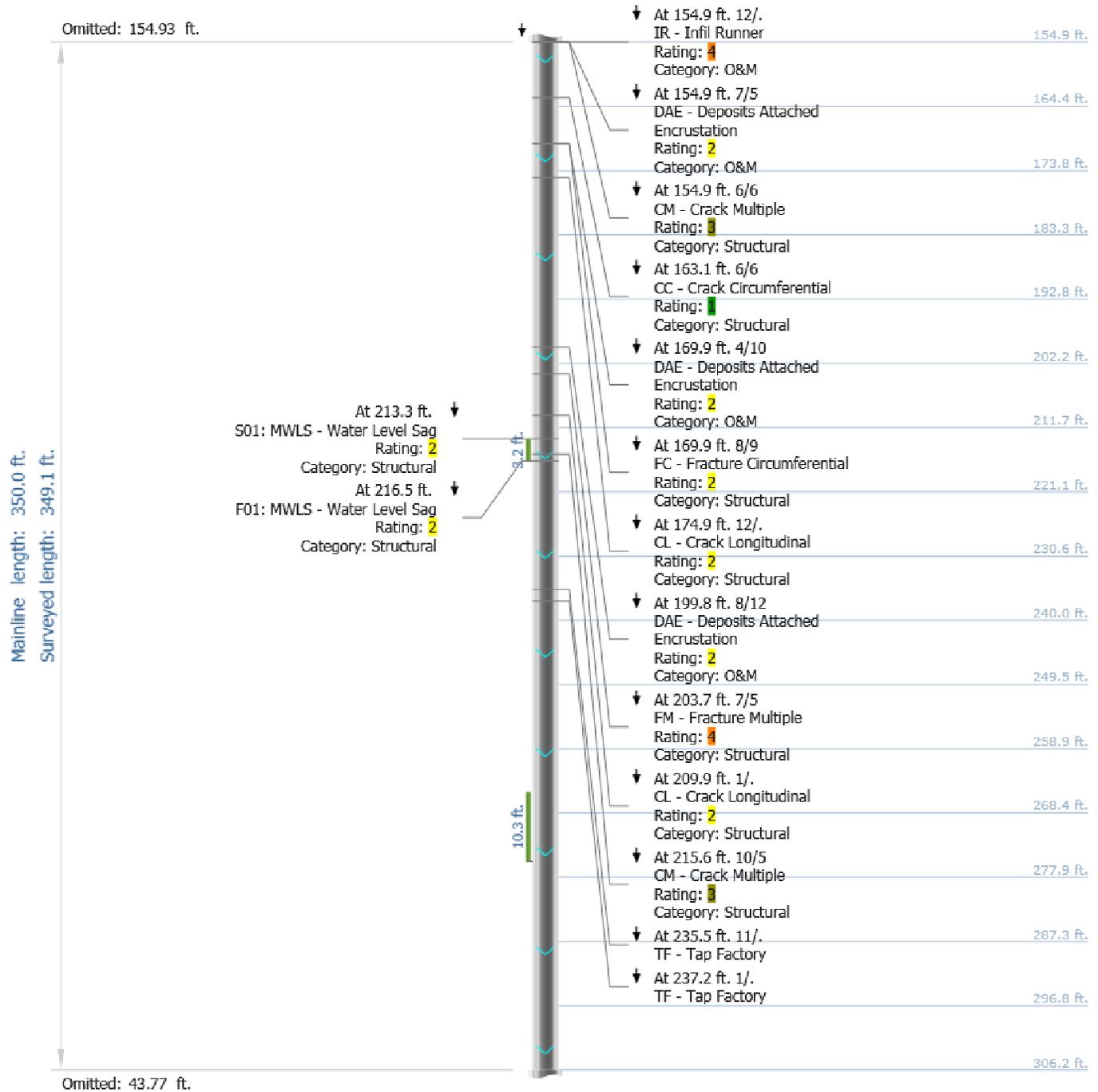
| | | | |
|---------------------------|-----------------------------|--------------------|-----------------|
| Project name: | Mainline ID: | City: | Street: |
| PACKET-10-SANITARY | B-54. - B-53. - 7247 | MT PLEASANT | GLENWOOD |
| Start date/time: | Direction: | Weather: | Location code: |
| 6/29/2015 4:43 PM | D | 1 | |
| Shape: | Material: | Height: | Width: |
| C | VCP | 8 in. | |

Scores

Calculated at: **7/7/2015 4:35:53 PM**

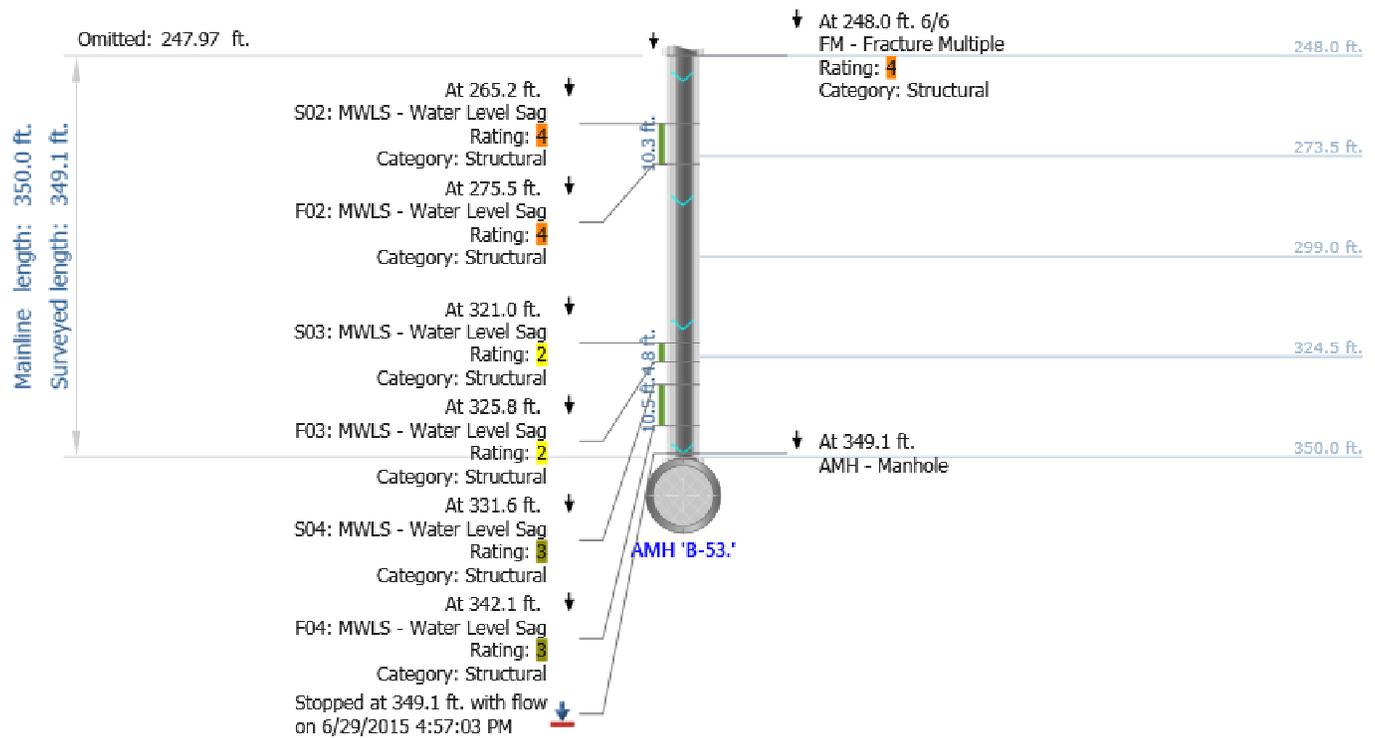
| Grade | Structural: | | | | O&M: | | | | Overall: | |
|-------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 1 | 41 | 4434 | 2.73 | 0 | 12 | 4124 | 2.40 | 53 | 2.65 |
| 2 | 12 | | | | 8 | | | | | |
| 3 | 12 | | | | 0 | | | | | |
| 4 | 16 | | | | 4 | | | | | |
| 5 | 0 | | | | 0 | | | | | |





Weather:

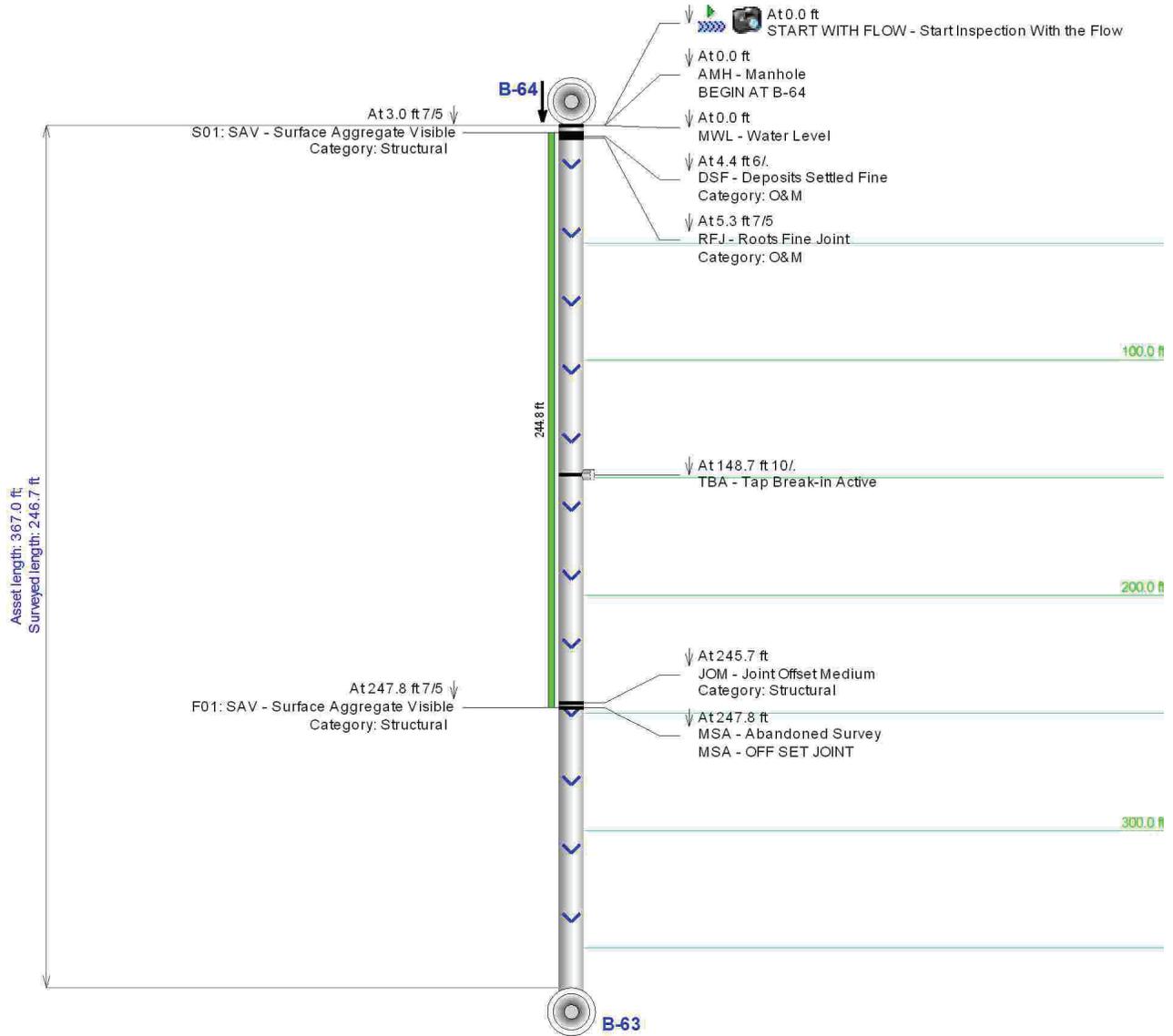
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Main Inspection with Pipe-Run Graph

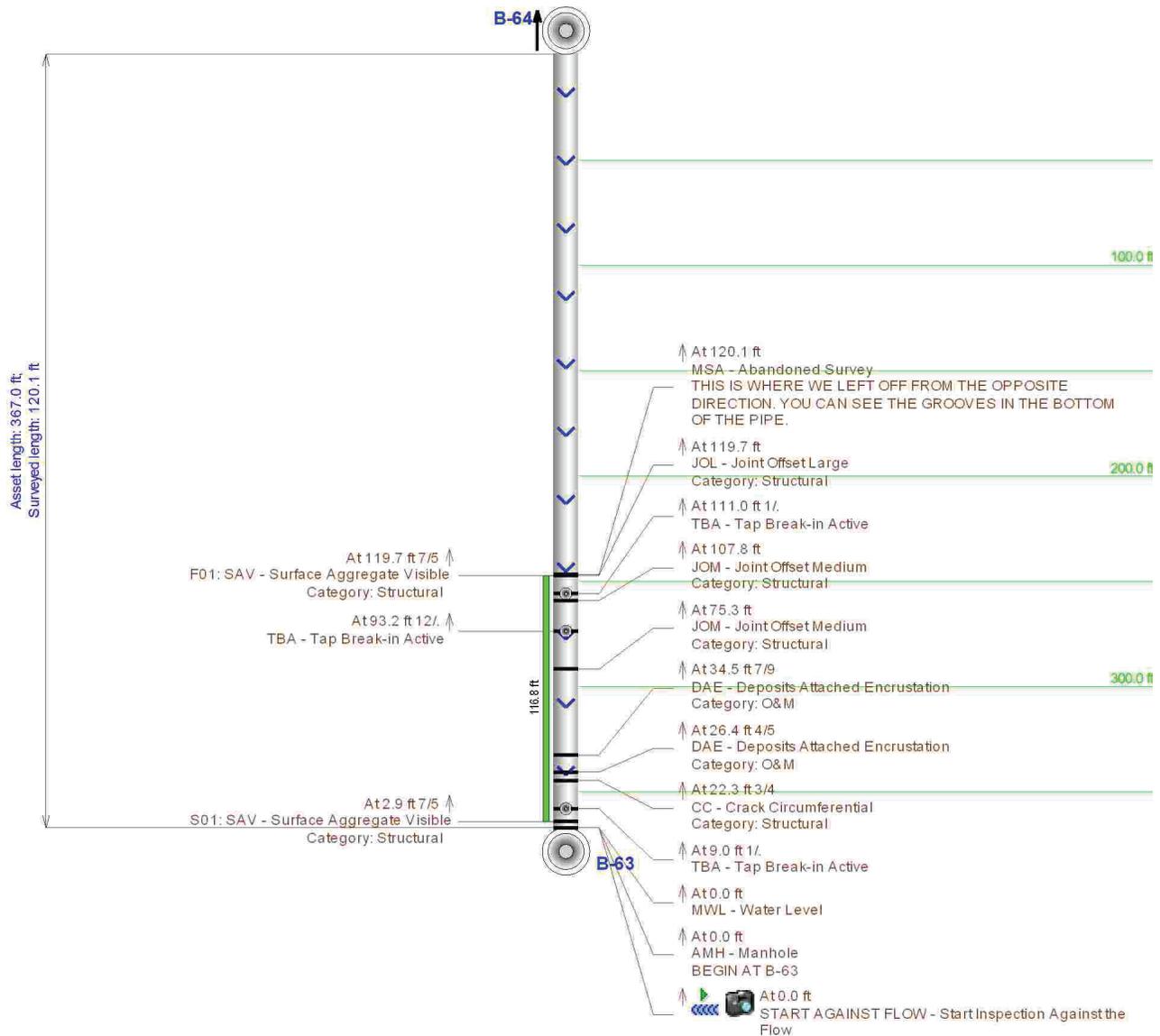
| | | | | | | | |
|---|----------------------------------|---|------------------------|-----------------------------|----------------------|-----------------------------|--|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-64-B-63 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/6/2014 | Width: 8 | Height: 8 | Material: CP | Location code: C | Weather: 3 | | |
| Direction: Downstream | Length surveyed: 246.7 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |





Main Inspection with Pipe-Run Graph

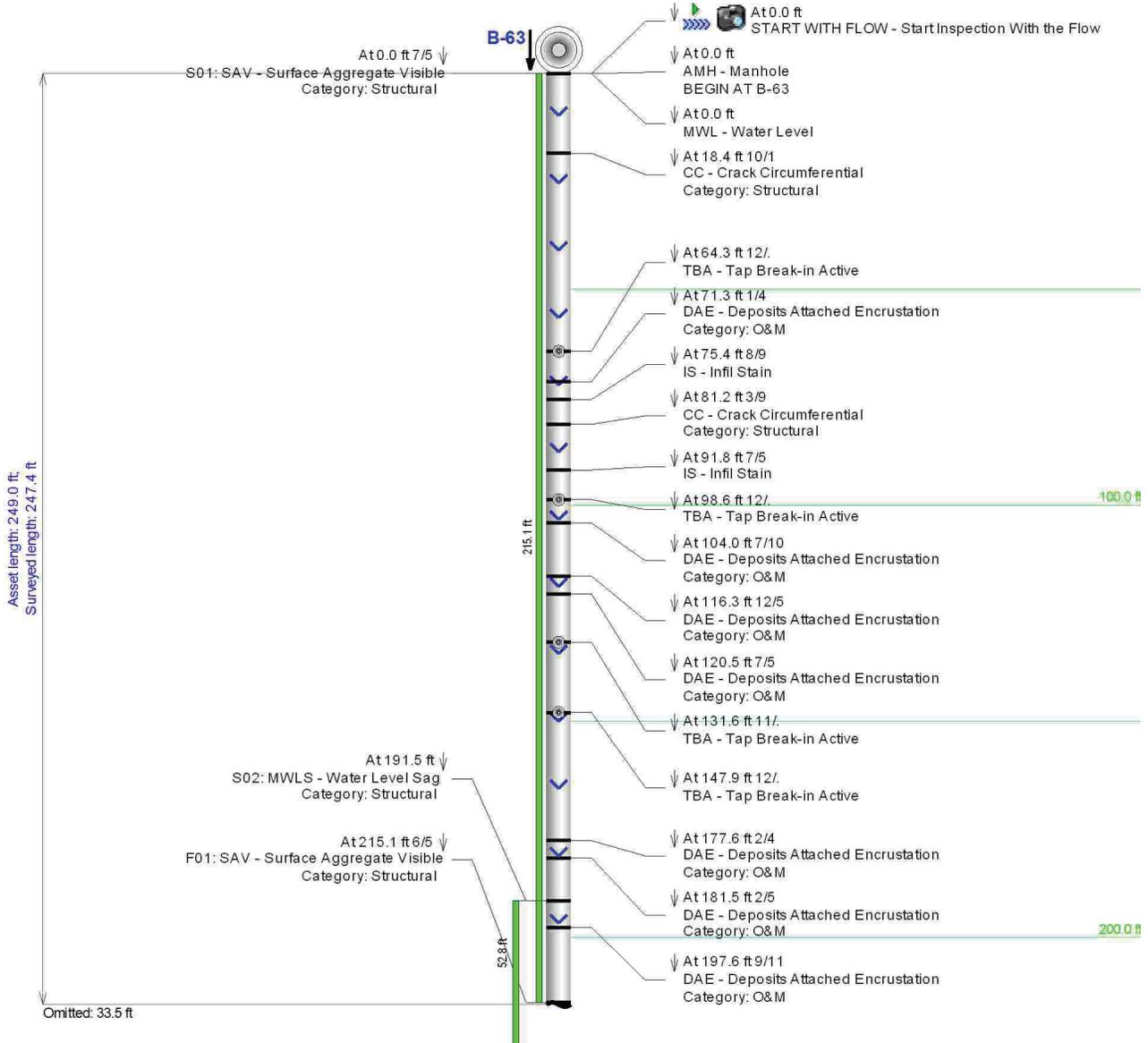
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|---|--|---|---------------------|---------------------------------------|----------------------------|-----------------------------|----------------------|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-64-B-63_1 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/6/2014 | | Width: 8 | Height: 8 | Material: CP | Location code: C | | Weather: 3 |
| Direction: UPSTREAM | | Length surveyed: 120.1 | | Surveyed by: ALEX SCHMELING | | Additional info: | |





Main Inspection with Pipe-Run Graph

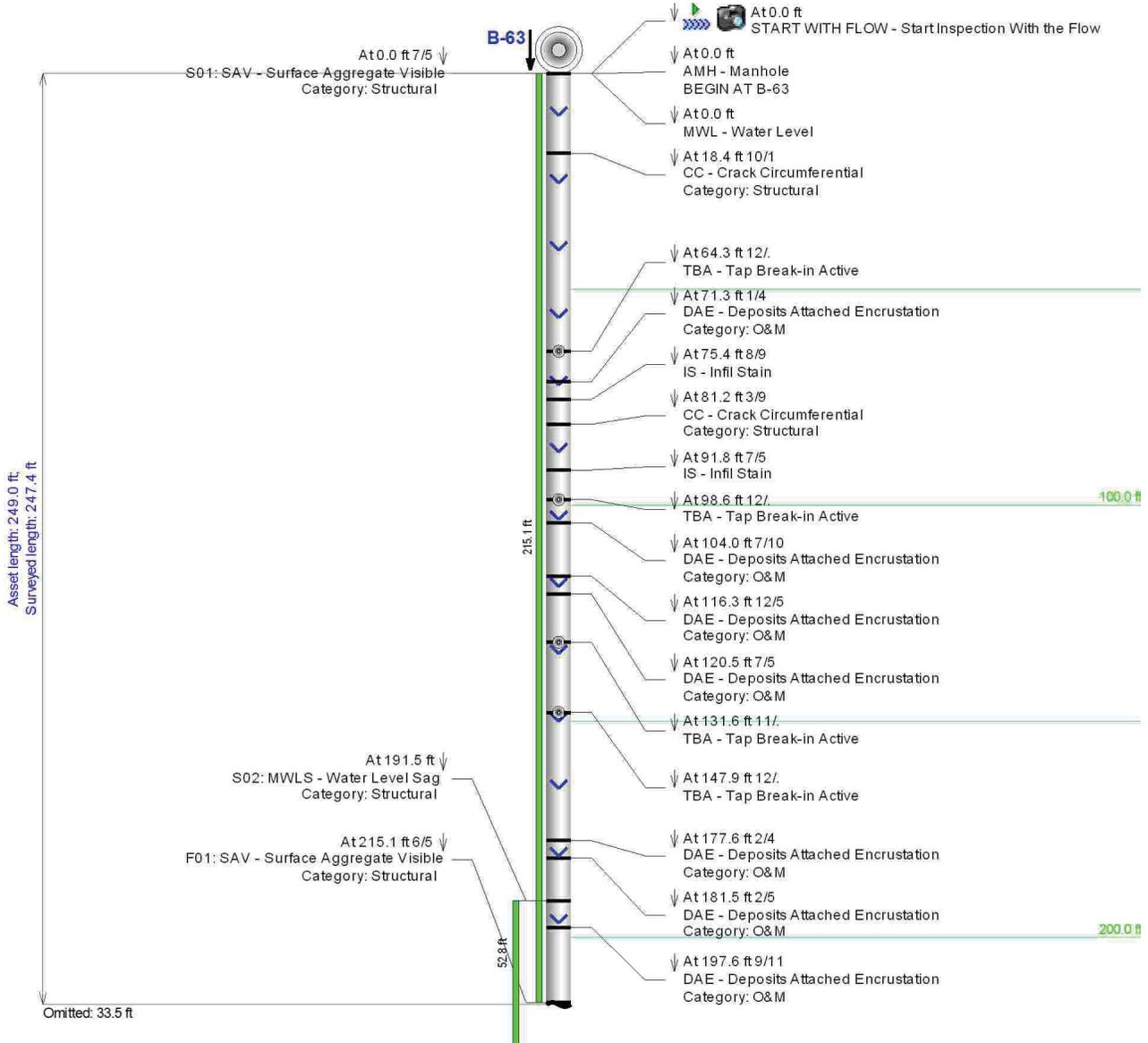
| | | | | | | | |
|---|----------------------------------|---|------------------------|-----------------------------|----------------------|-----------------------------|--|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-63-B-60 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/6/2014 | Width: 8 | Height: 8 | Material: CP | Location code: C | Weather: 3 | | |
| Direction: Downstream | Length surveyed: 247.4 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |





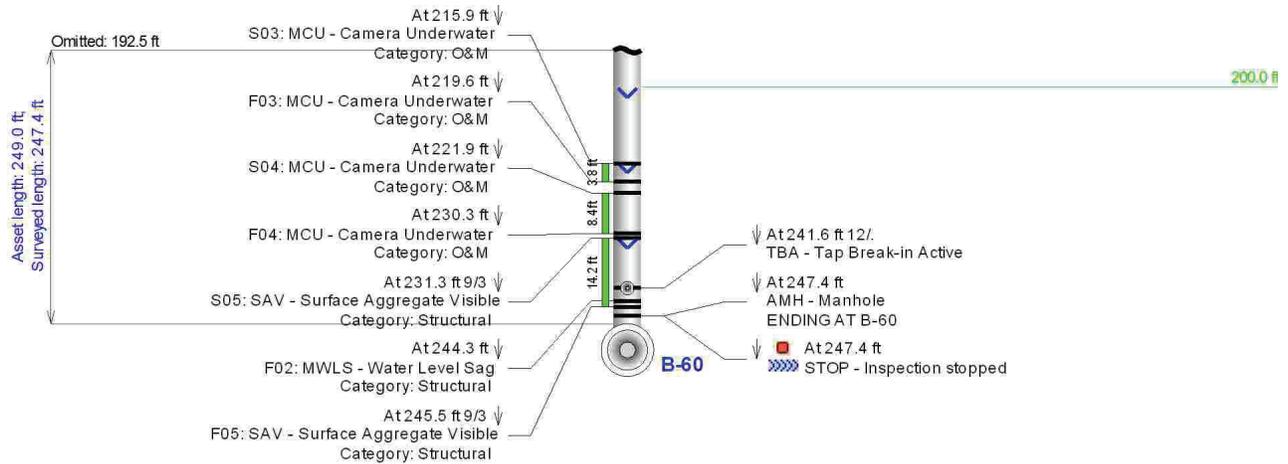
Main Inspection with Pipe-Run Graph

| | | | | | | | |
|---|----------------------------------|---|------------------------|-----------------------------|----------------------|-----------------------------|--|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-63-B-60 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/6/2014 | Width: 8 | Height: 8 | Material: CP | Location code: C | Weather: 3 | | |
| Direction: Downstream | Length surveyed: 247.4 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |





| | | | | | | | |
|---|--|---|---------------------|---------------------------------------|----------------------------|-----------------------------|----------------------|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-63-B-60 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/6/2014 | | Width: 8 | Height: 8 | Material: CP | Location code: C | | Weather: 3 |
| Direction: Downstream | | Length surveyed: 247.4 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



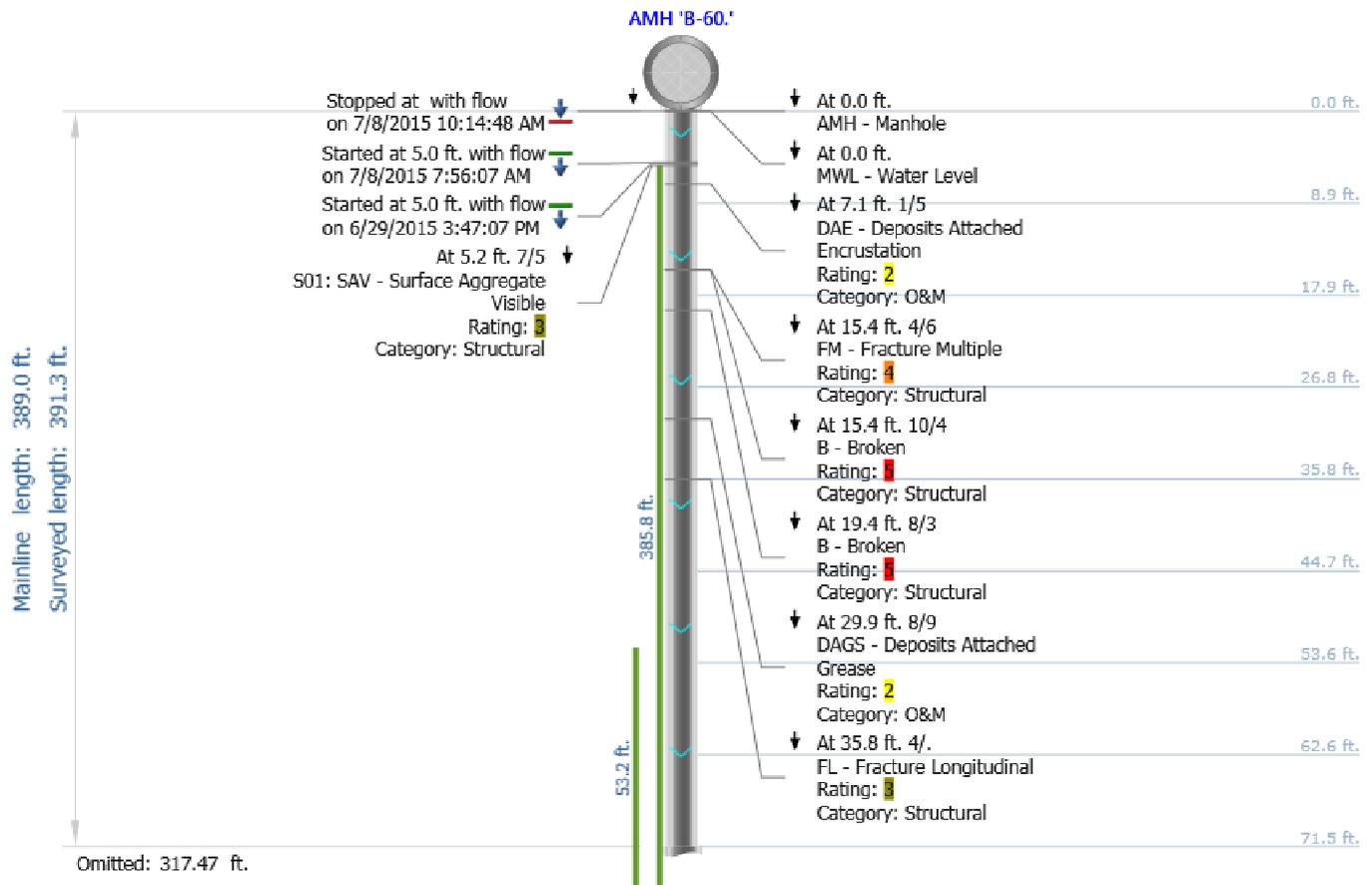
Main Inspections Pipe Run and Scoring

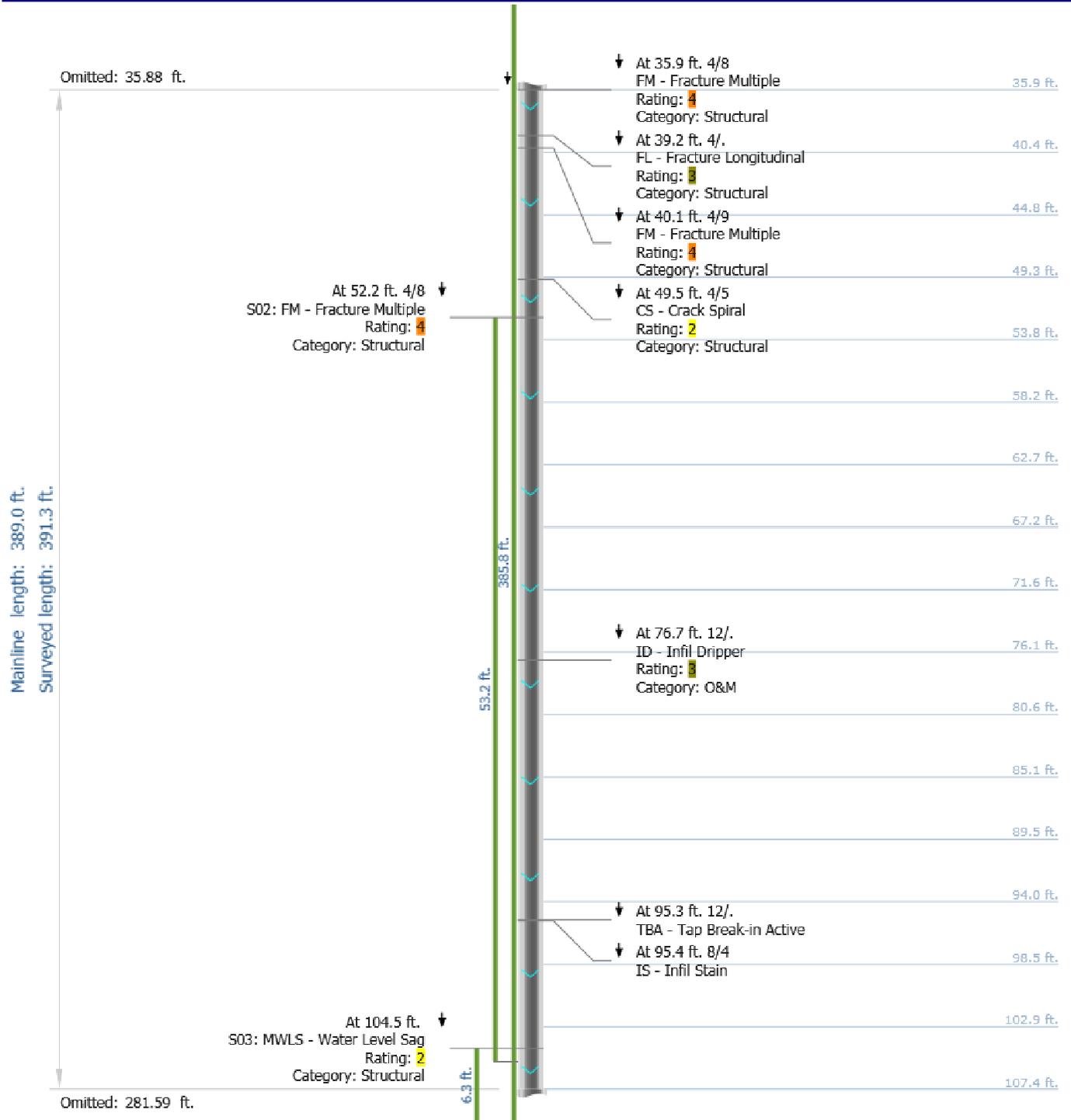
| | | | |
|---------------------------|----------------------------|--------------------|------------------|
| Project name: | Mainline ID: | City: | Street: |
| PACKET-10-SANITARY | B-60. - B-59 - 6879 | MT PLEASANT | FAIRFIELD |
| Start date/time: | Direction: | Weather: | Location code: |
| 6/29/2015 3:47 PM | D | 1 | B |
| Shape: | Material: | Height: | Width: |
| C | VCP | 8 in. | |

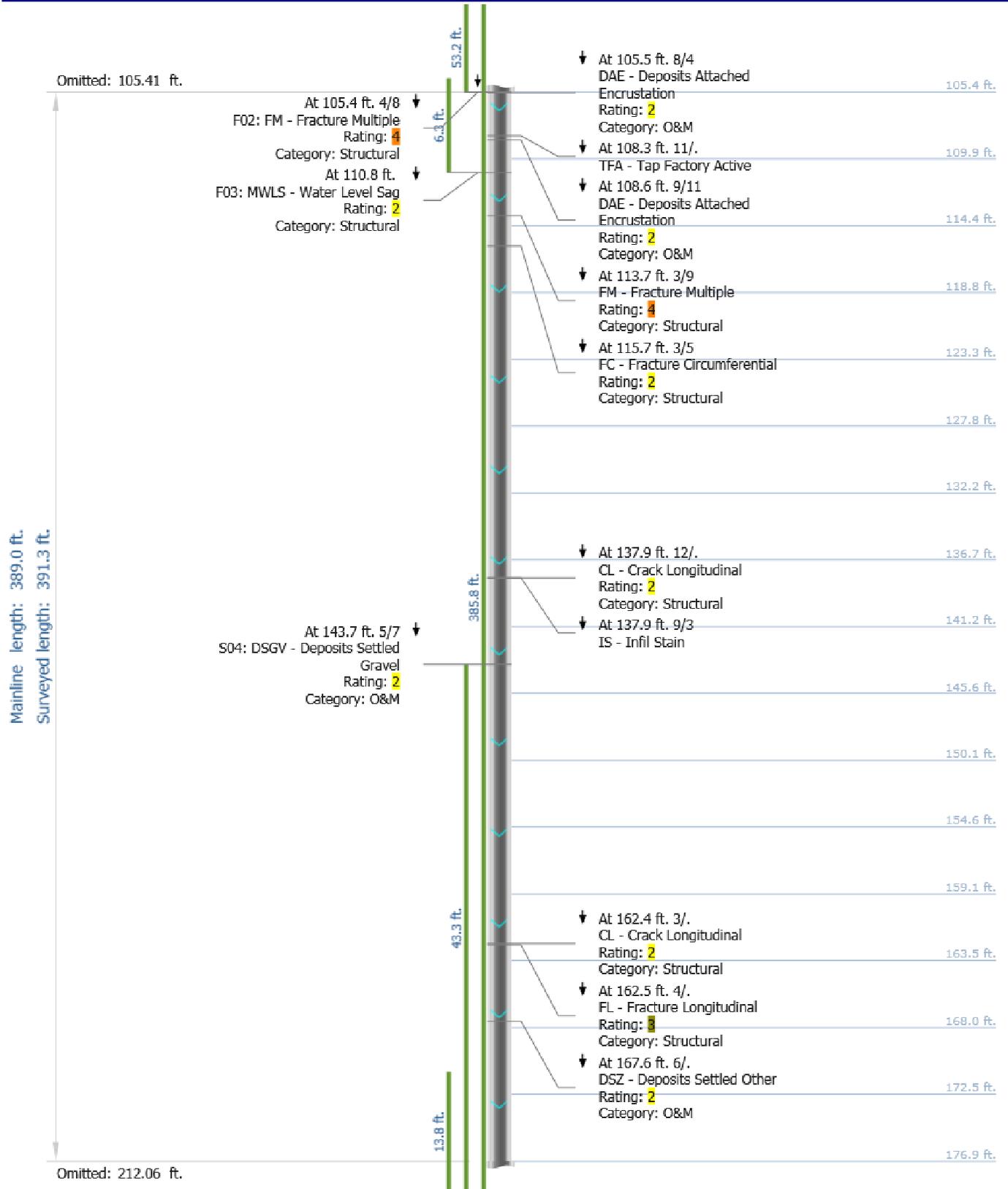
Scores

Calculated at: **7/8/2015 10:14:49 AM**

| Grade | Structural: | | | | O&M: | | | | Overall: | |
|-------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 0 | 349 | 524B | 3.14 | 0 | 47 | 312C | 2.04 | 396 | 2.96 |
| 2 | 14 | | | | 44 | | | | | |
| 3 | 249 | | | | 3 | | | | | |
| 4 | 76 | | | | 0 | | | | | |
| 5 | 10 | | | | 0 | | | | | |

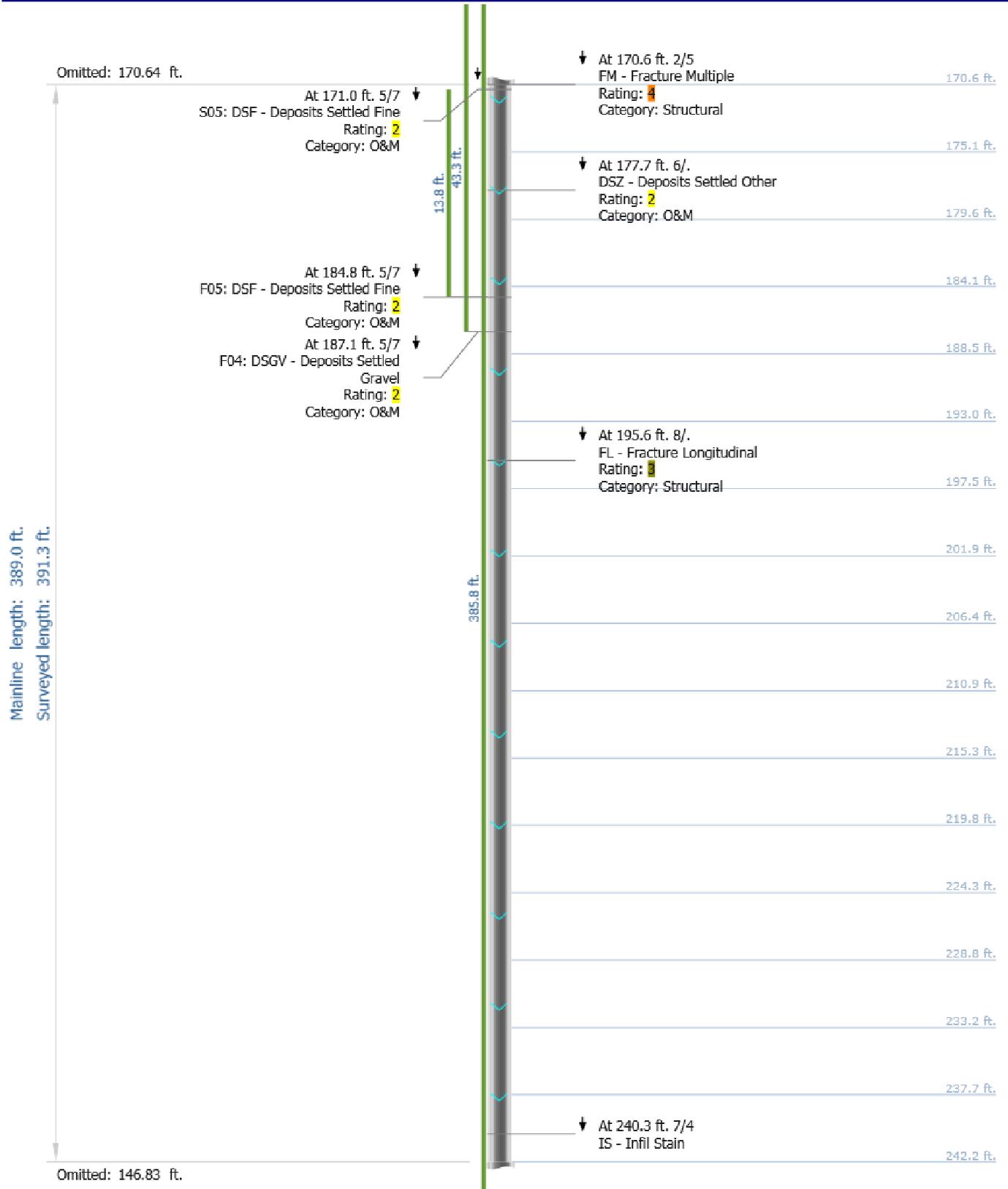


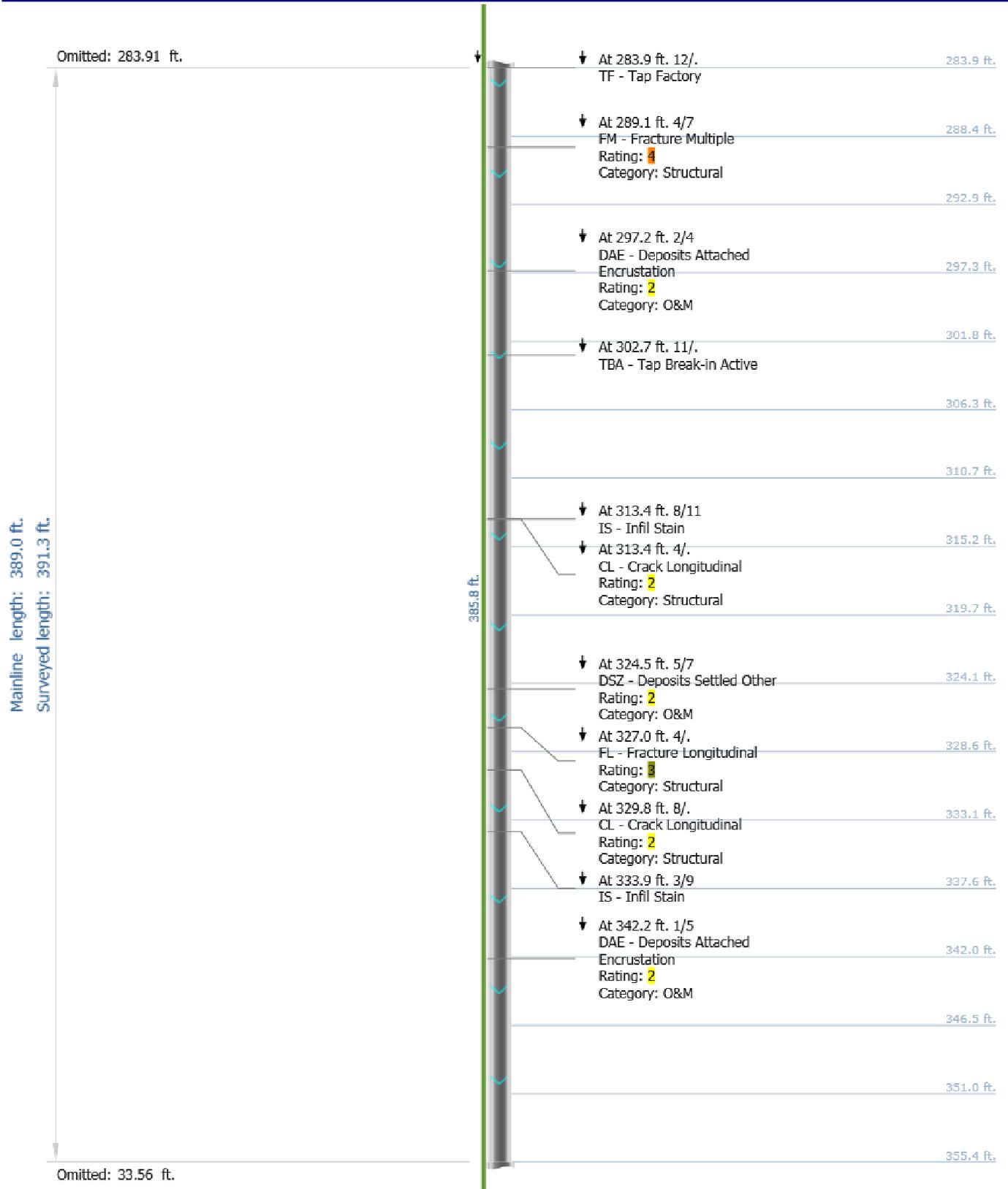




Weather:

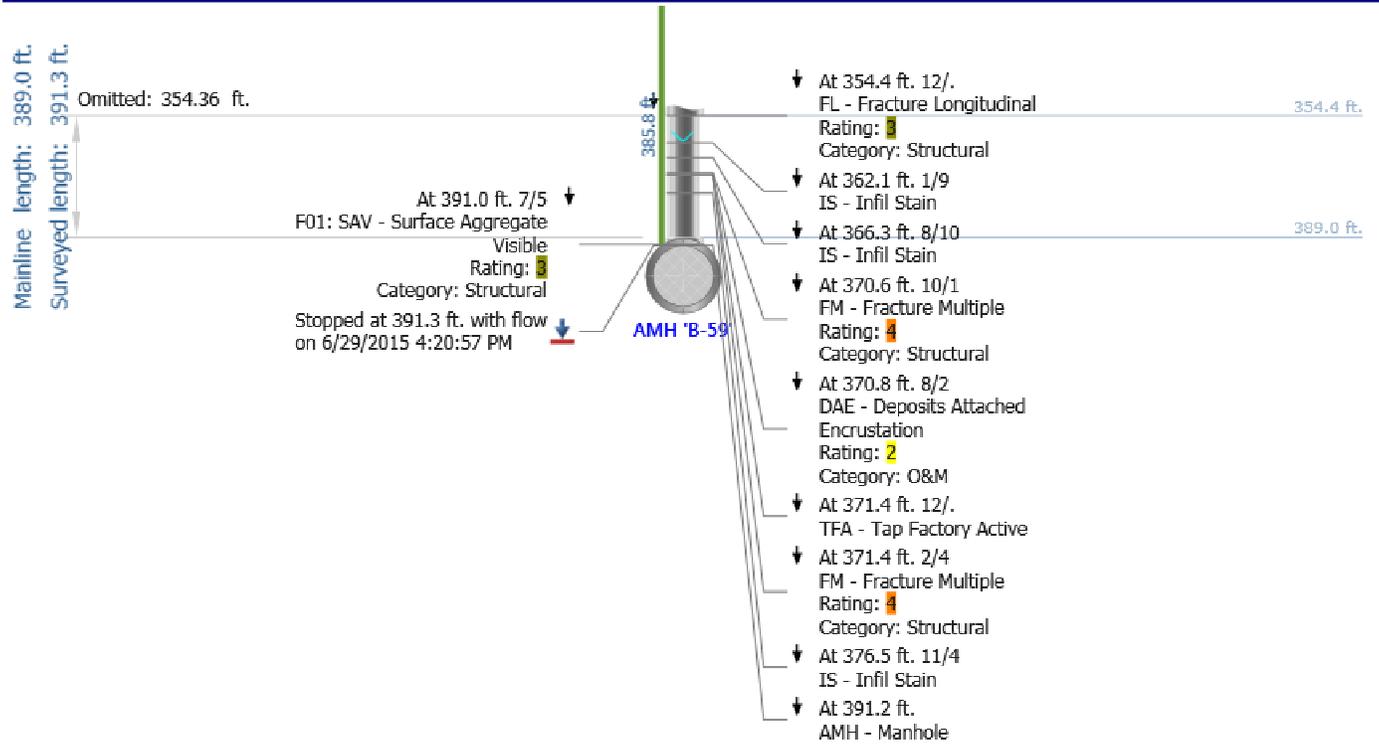
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Weather:

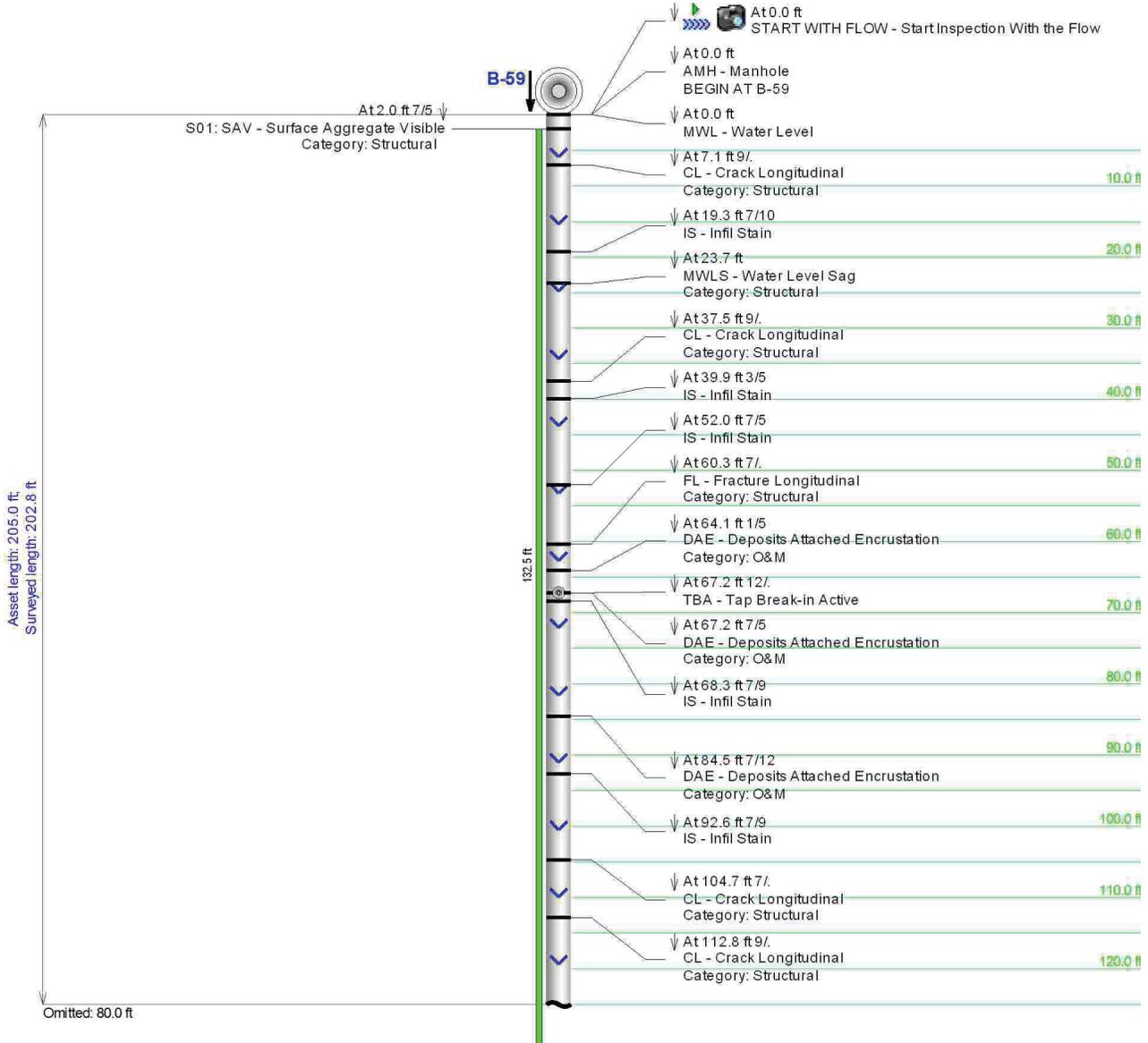
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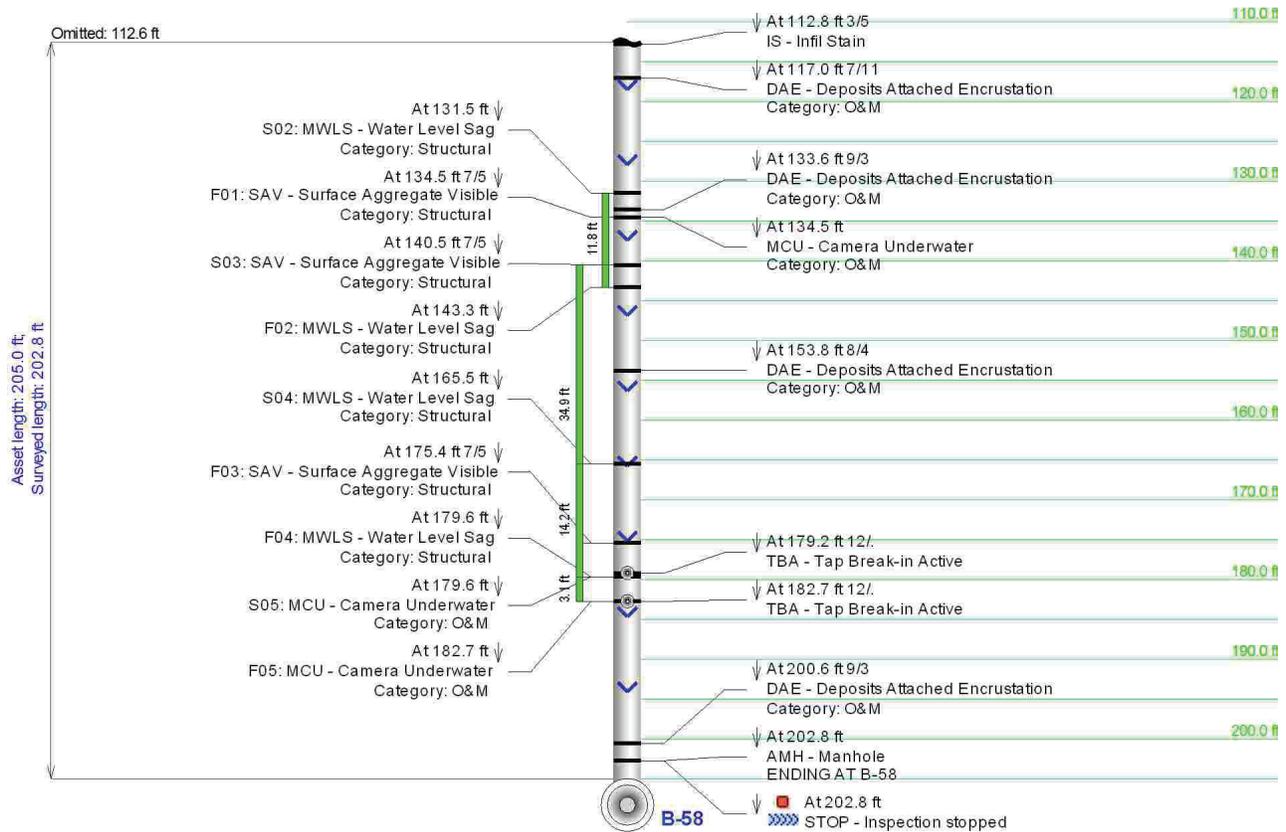


Main Inspection with Pipe-Run Graph

| | | | | | | | |
|---|--|---|---------------------|---------------------------------------|----------------------------|-----------------------------|----------------------|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-59-B-58 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/7/2014 | | Width: 8 | Height: 8 | Material: CP | Location code: C | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 202.8 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



| | | | | | | | |
|---|--|---|---------------------|---------------------------------------|----------------------------|-----------------------------|----------------------|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-59-B-58 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/7/2014 | | Width: 8 | Height: 8 | Material: CP | Location code: C | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 202.8 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



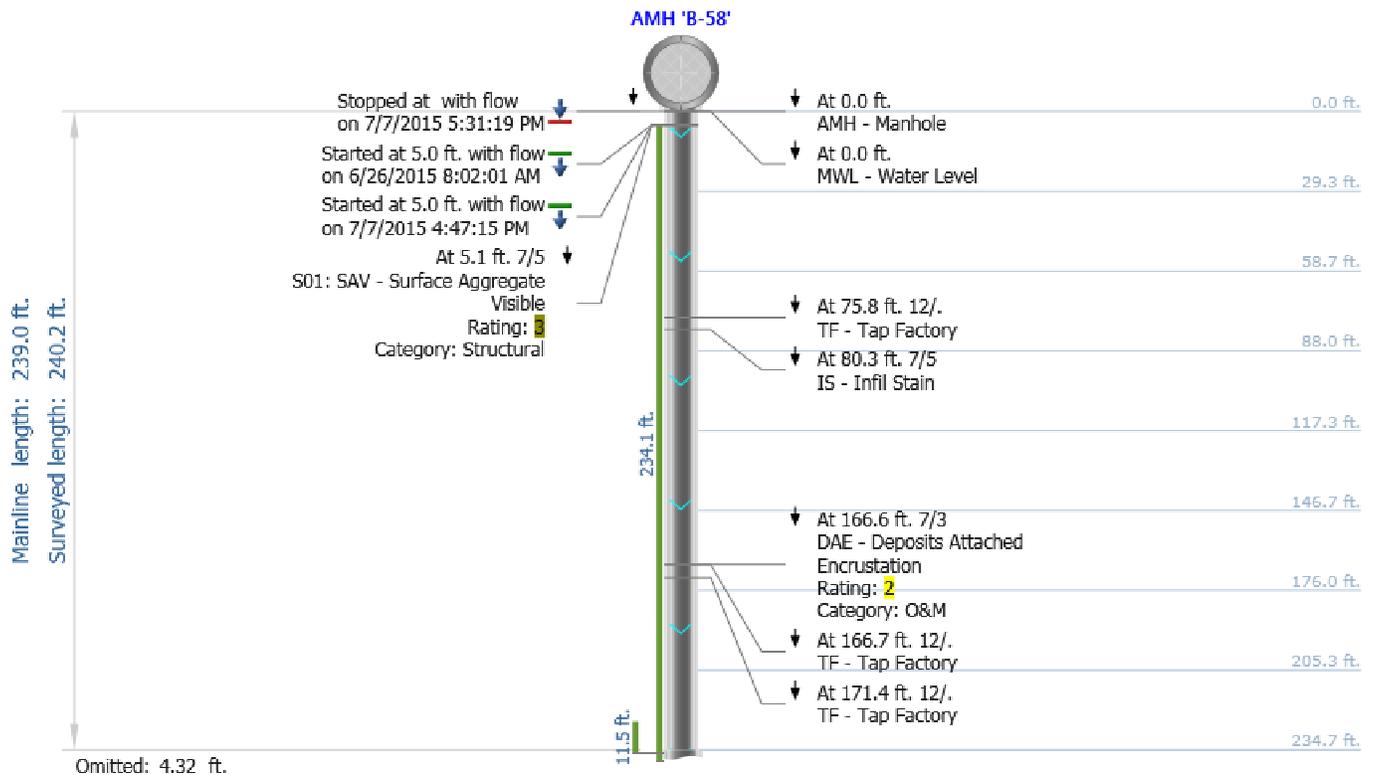
Main Inspections Pipe Run and Scoring

| | | | |
|---------------------------|----------------------------|--------------------|------------------|
| Project name: | Mainline ID: | City: | Street: |
| PACKET-10-SANITARY | B-58. - B-53 - 6894 | MT PLEASANT | FAIRFIELD |
| Start date/time: | Direction: | Weather: | Location code: |
| 6/26/2015 8:02 AM | D | 1 | B |
| Shape: | Material: | Height: | Width: |
| C | RCP | 8 in. | |

Scores

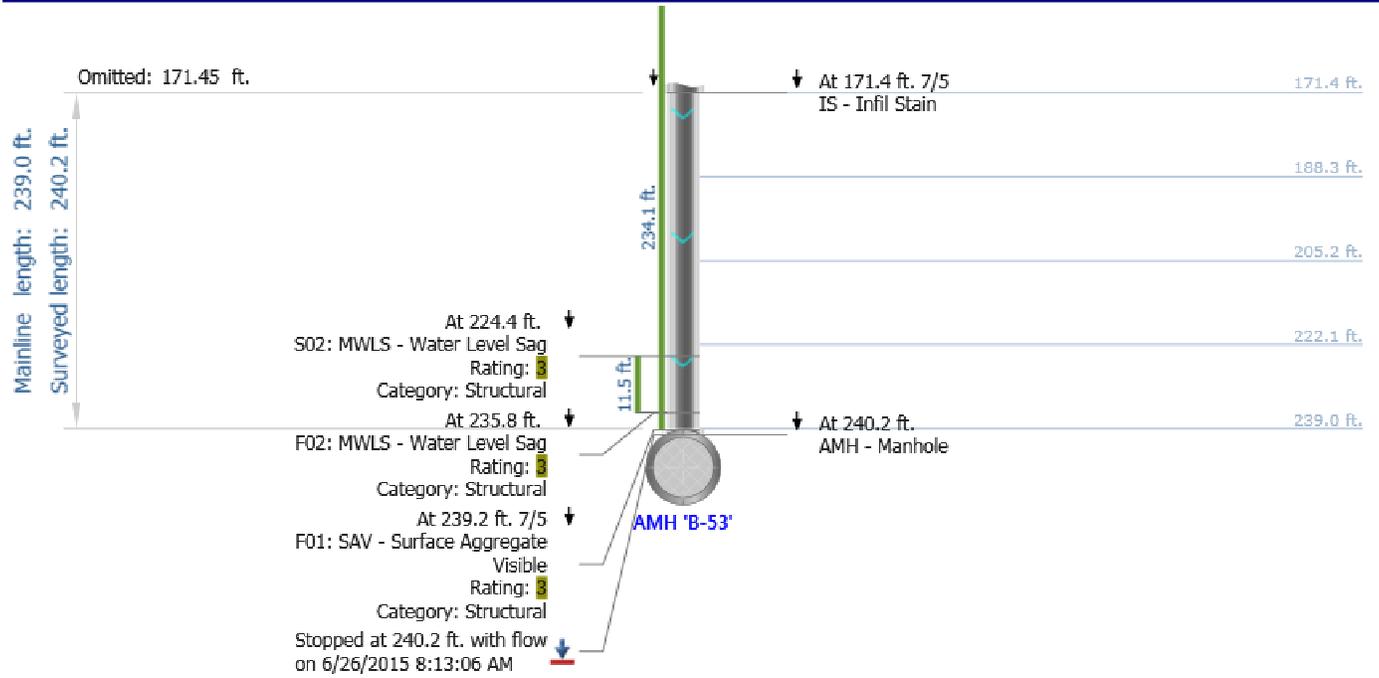
Calculated at: **7/7/2015 5:31:20 PM**

| Grade | Structural: | | | | O&M: | | | | Overall: | |
|----------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 0 | 147 | 3H00 | 3.00 | 0 | 2 | 2100 | 2.00 | 149 | 2.98 |
| 2 | 0 | | | | 2 | | | | | |
| 3 | 147 | | | | 0 | | | | | |
| 4 | 0 | | | | 0 | | | | | |
| 5 | 0 | | | | 0 | | | | | |



Weather:

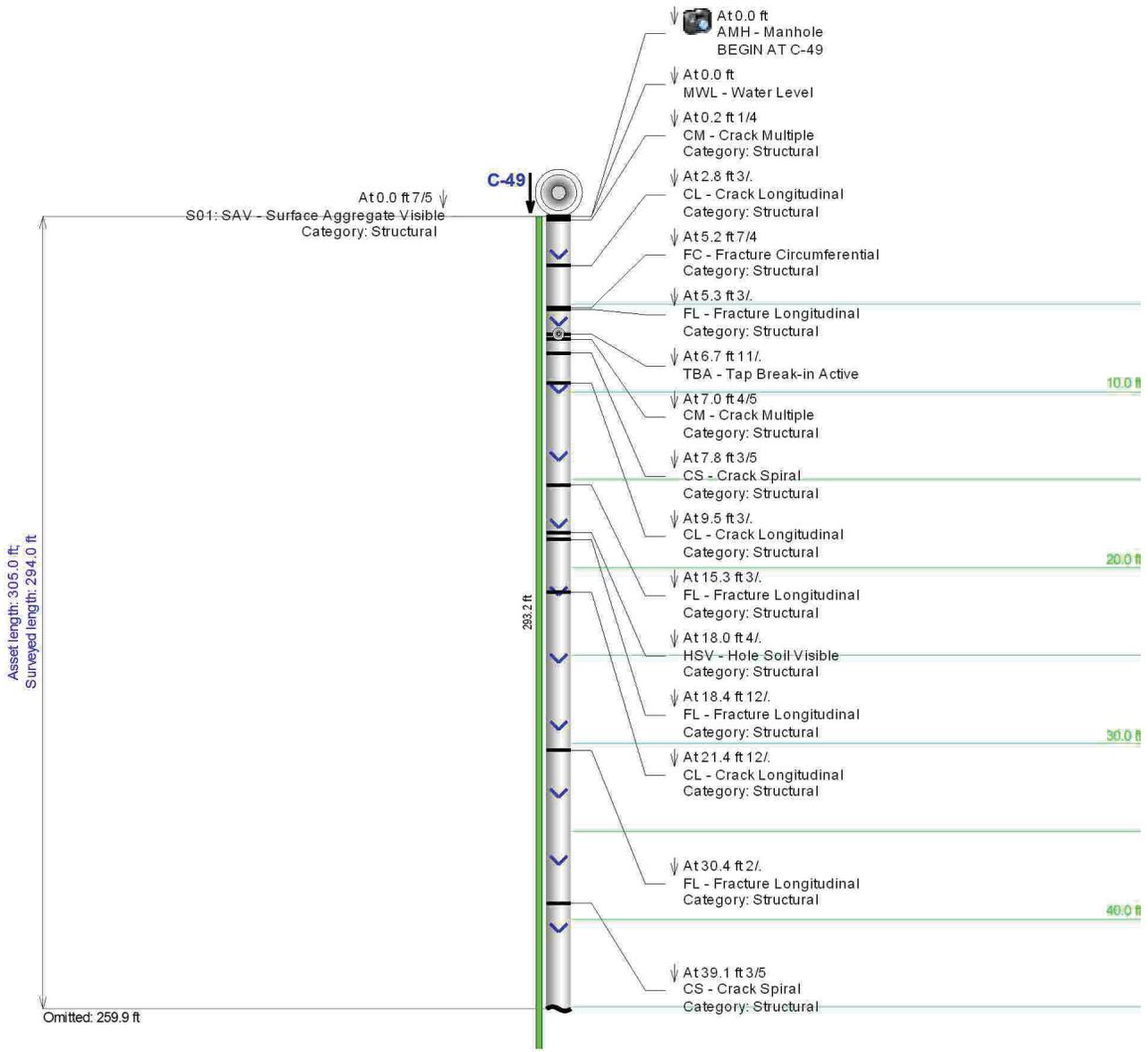
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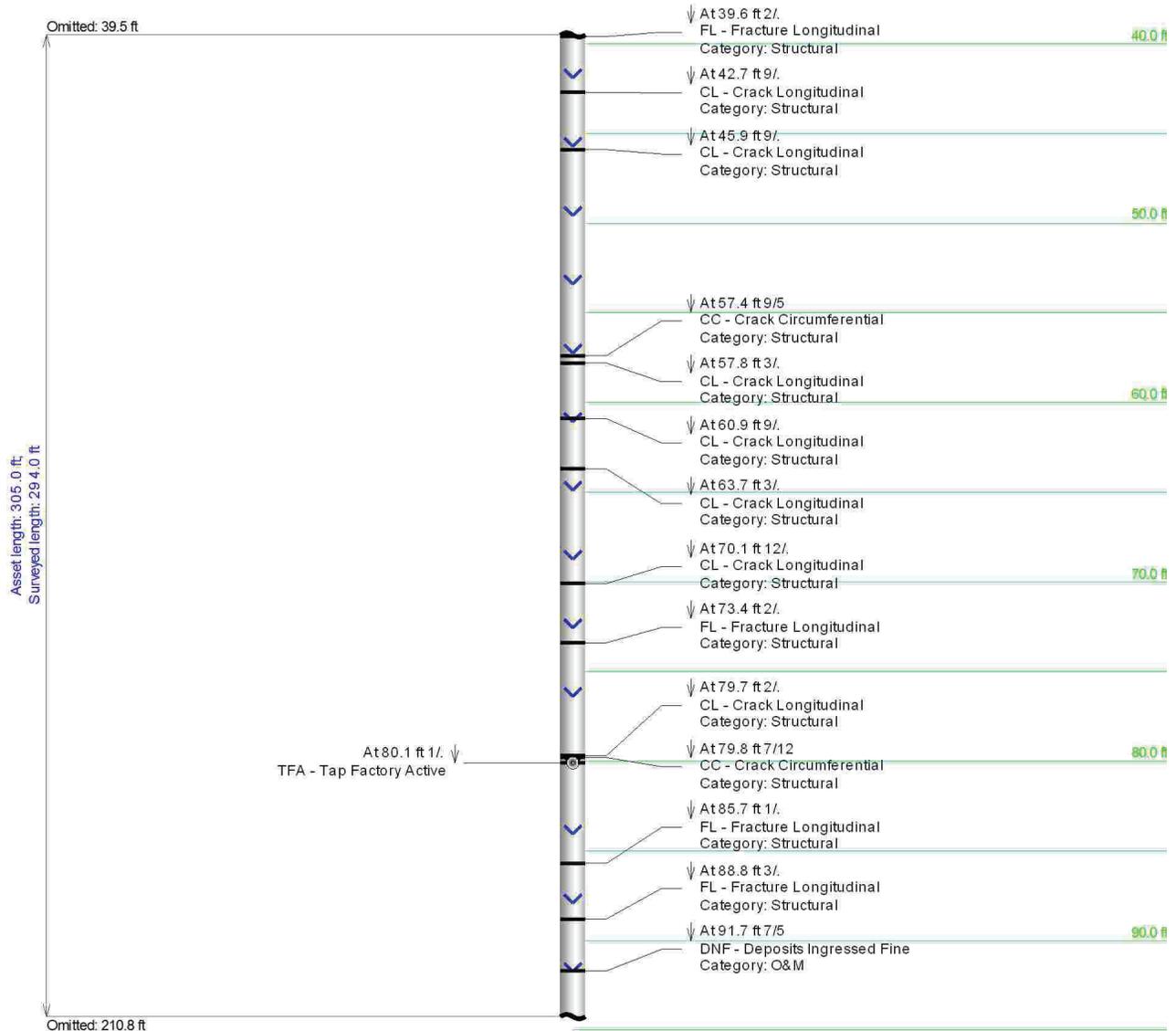


Main Inspection with Pipe-Run Graph

| | | | | | | | |
|---|----------------------------------|--|-------------------------|-----------------------------|----------------------|------------------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-49-6-5C-48 | | City: MT PLEASANT | | Street: RUSSELL EASEMENT | |
| Start date/time: 10/17/2014 | Width: 8 | Height: 8 | Material: RCP | Location code: D | Weather: 1 | | |
| Direction: Downstream | Length surveyed: 294.0 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |

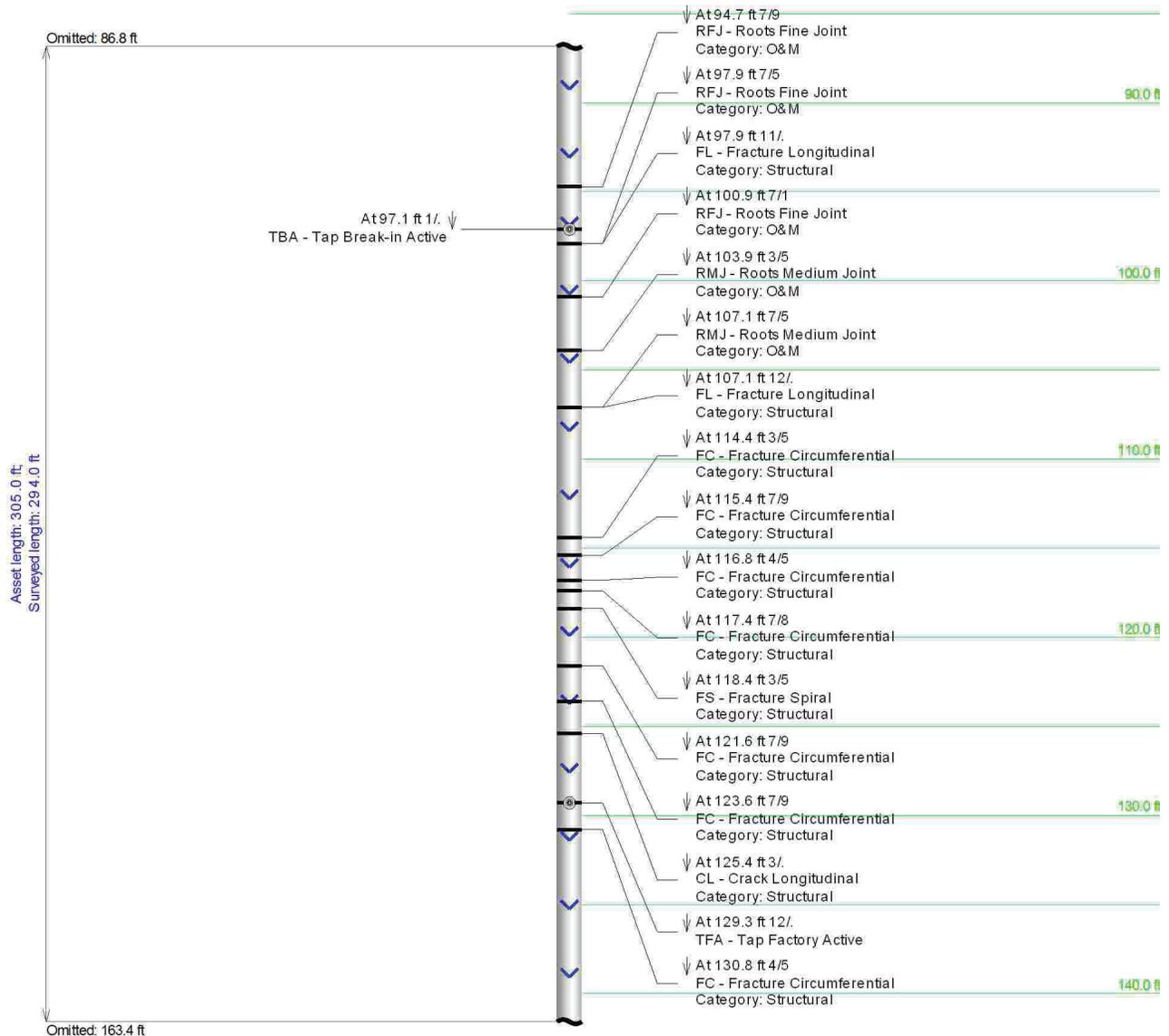


| | | | | | | | |
|---|--|--|---------------------|---------------------------------------|----------------------------|------------------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-49-6-5C-48 | | City: MT PLEASANT | | Street: RUSSELL EASEMENT | |
| Start date/time: 10/17/2014 | | Width: 8 | Height: 8 | Material: RCP | Location code: D | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 294.0 | | Surveyed by: ALEX SCHEMLING | | Additional info: | |



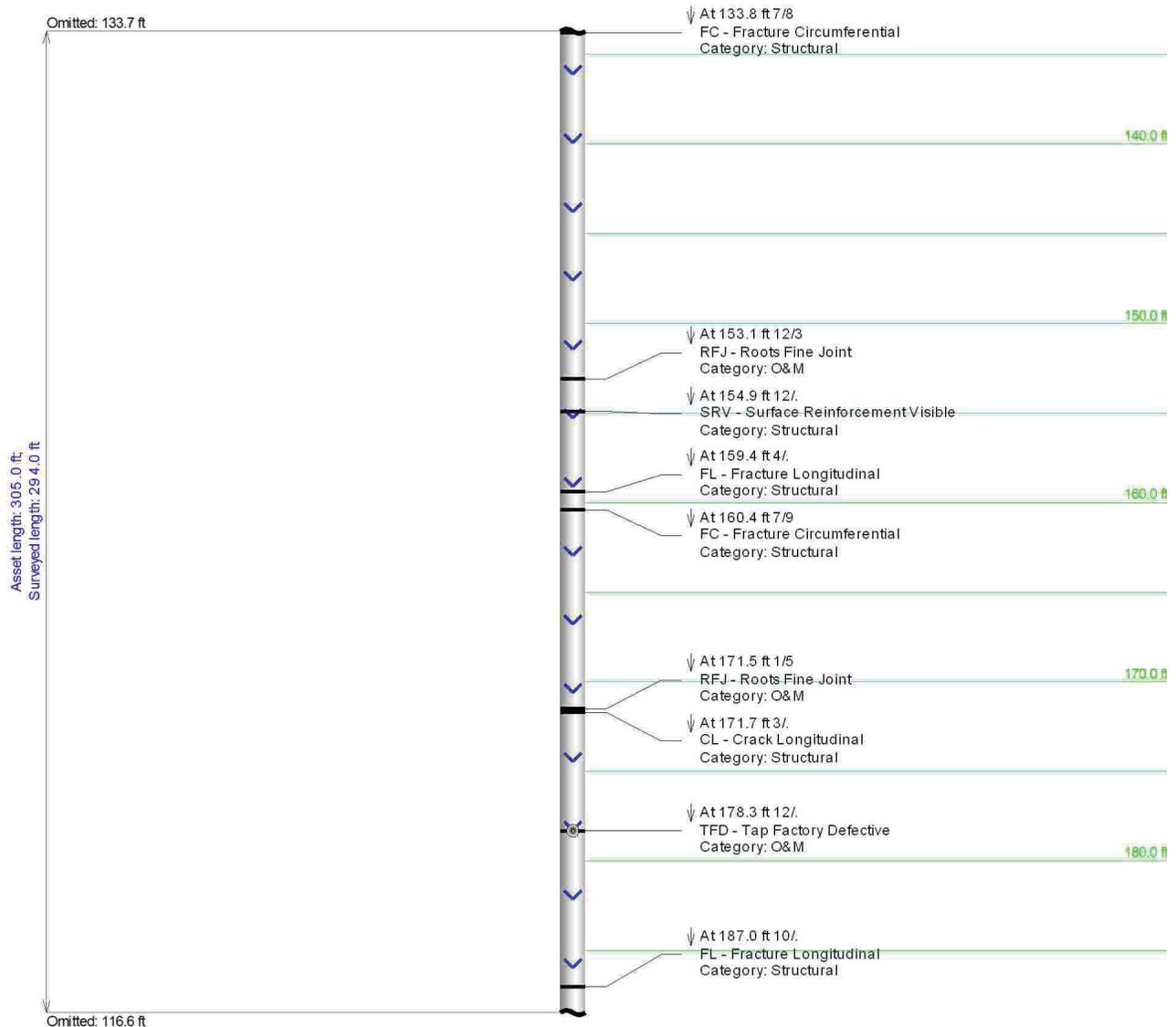


| | | | | | | | |
|---|--|--|---------------------|---------------------------------------|----------------------------|------------------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-49-6-5C-48 | | City: MT PLEASANT | | Street: RUSSELL EASEMENT | |
| Start date/time: 10/17/2014 | | Width: 8 | Height: 8 | Material: RCP | Location code: D | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 294.0 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



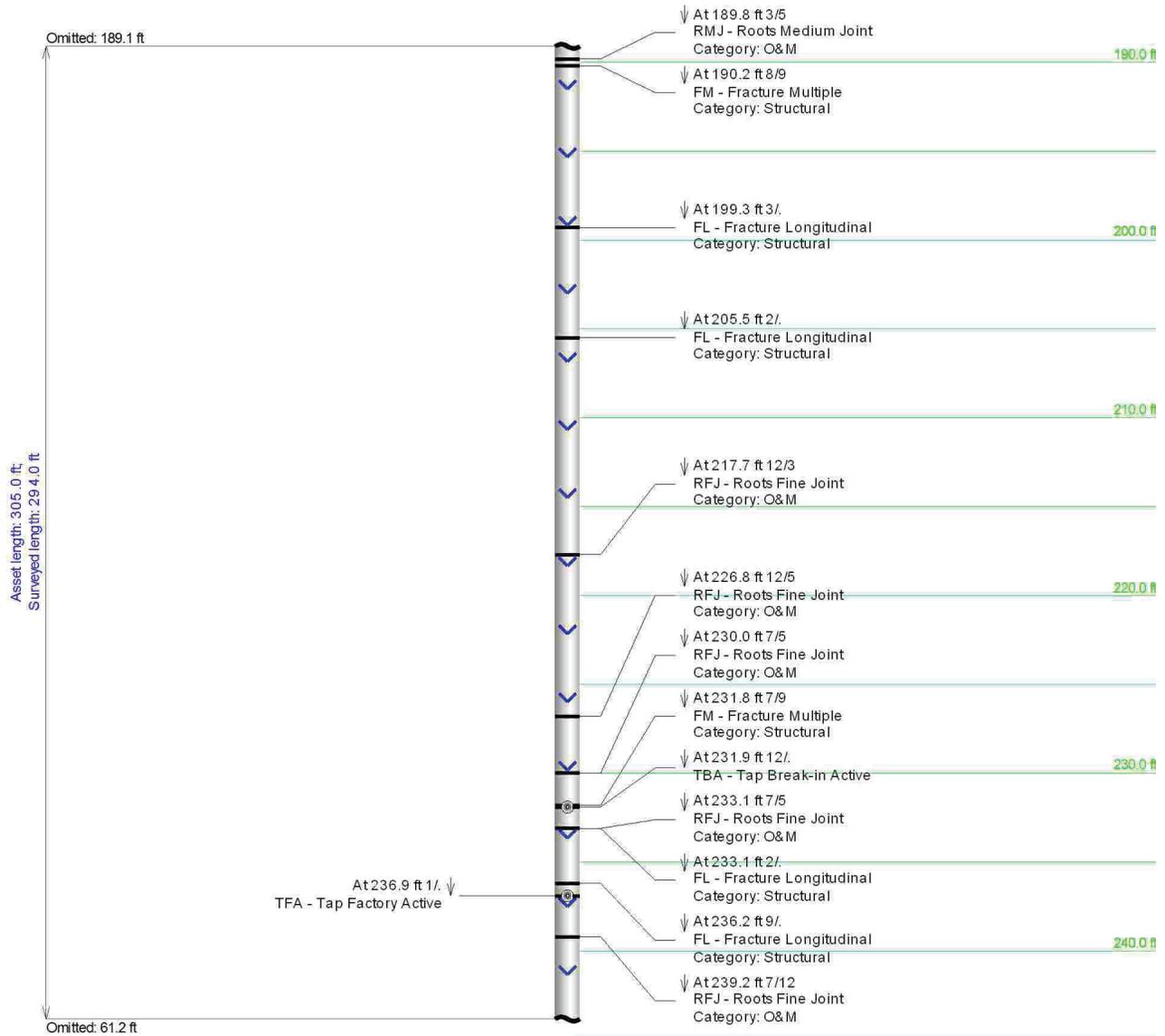


| | | | | | | | |
|---|--|--|---------------------|---------------------------------------|----------------------------|------------------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-49-6-5C-48 | | City: MT PLEASANT | | Street: RUSSELL EASEMENT | |
| Start date/time: 10/17/2014 | | Width: 8 | Height: 8 | Material: RCP | Location code: D | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 294.0 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



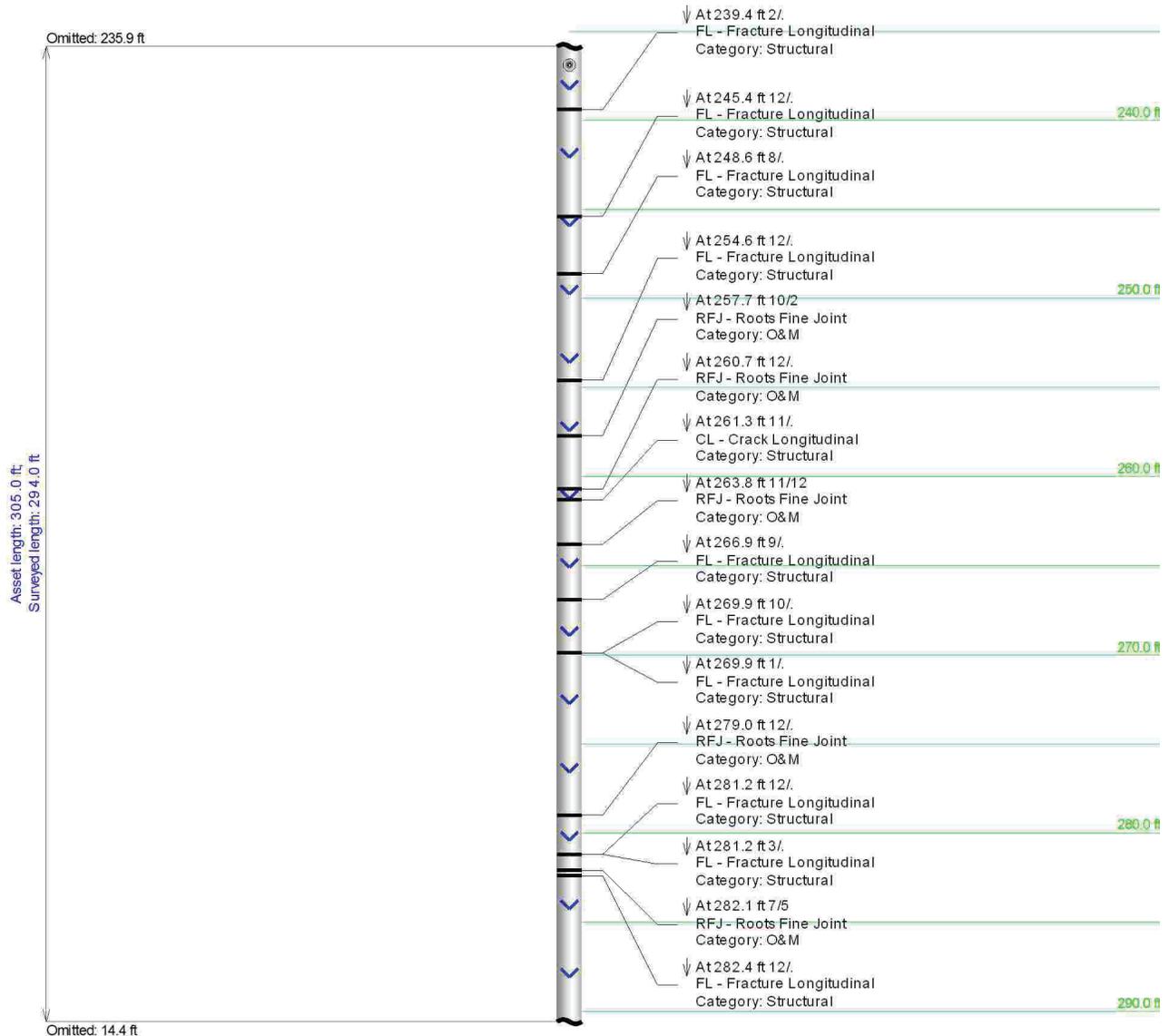


| | | | | | | | |
|---|--|--|---------------------|---------------------------------------|----------------------------|------------------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-49-6-5C-48 | | City: MT PLEASANT | | Street: RUSSELL EASEMENT | |
| Start date/time: 10/17/2014 | | Width: 8 | Height: 8 | Material: RCP | Location code: D | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 294.0 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



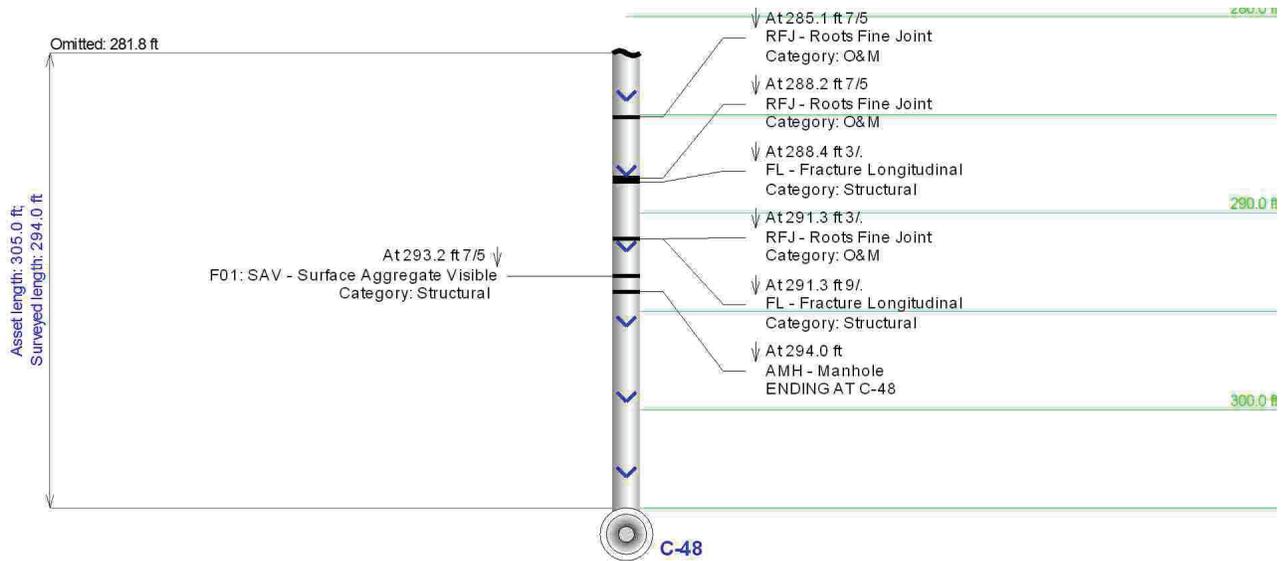


| | | | | | | | |
|---|----------------------------------|--|-------------------------|-----------------------------|----------------------|------------------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-49-6-5C-48 | | City: MT PLEASANT | | Street: RUSSELL EASEMENT | |
| Start date/time: 10/17/2014 | Width: 8 | Height: 8 | Material: RCP | Location code: D | Weather: 1 | | |
| Direction: Downstream | Length surveyed: 294.0 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |





| | | | | | | | |
|---|--|--|---------------------|---------------------------------------|----------------------------|------------------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-49-6-5C-48 | | City: MT PLEASANT | | Street: RUSSELL EASEMENT | |
| Start date/time: 10/17/2014 | | Width: 8 | Height: 8 | Material: RCP | Location code: D | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 294.0 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



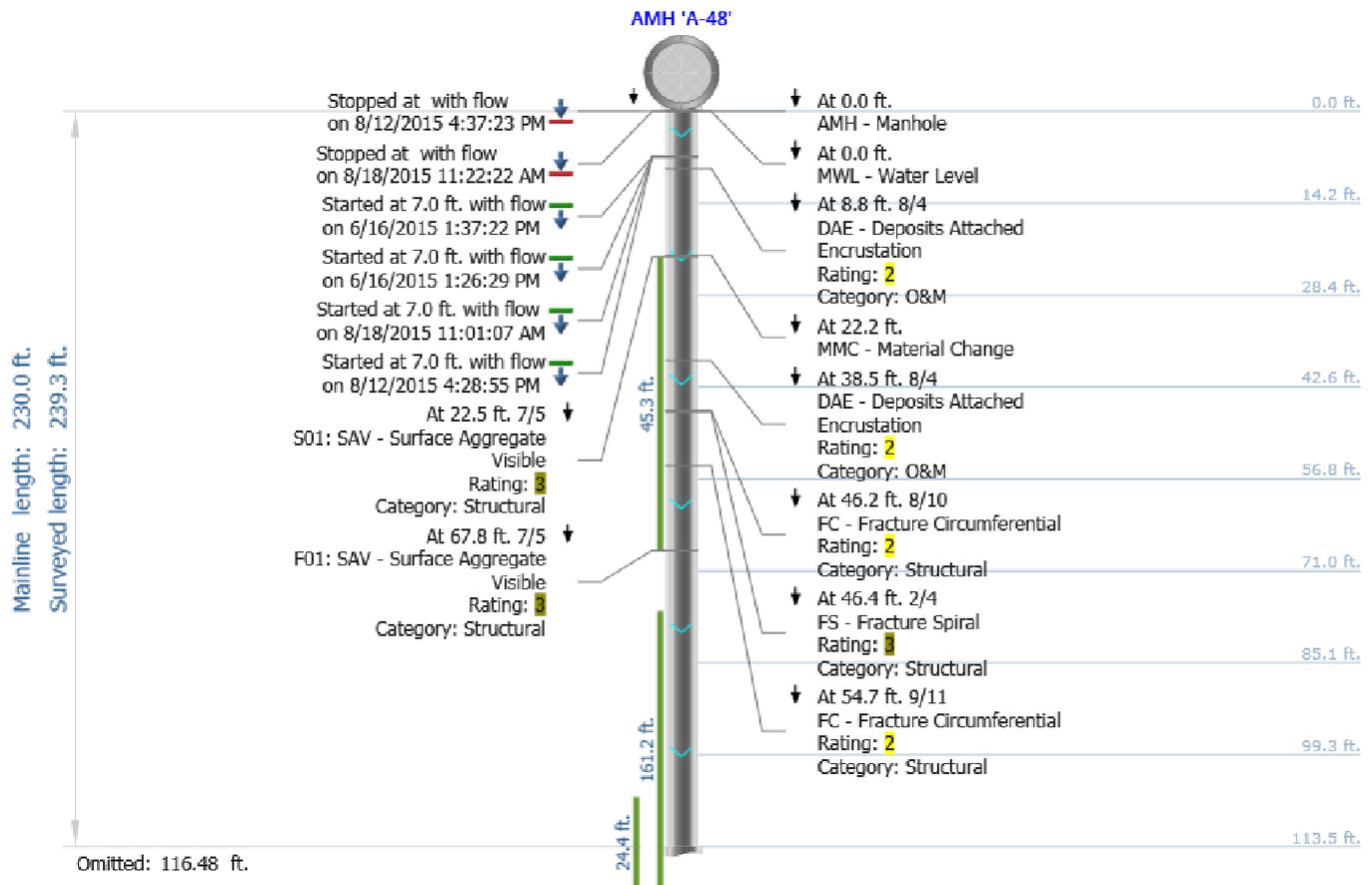
Main Inspections Pipe Run and Scoring

| | | | |
|--------------------------|---------------------------|--------------------|----------------|
| Project name: | Mainline ID: | City: | Street: |
| PACKET-5 SANITARY | A-48 - A-47 - 6451 | MT PLEASANT | RUSSELL |
| Start date/time: | Direction: | Weather: | Location code: |
| 6/16/2015 1:26 PM | D | 1 | B |
| Shape: | Material: | Height: | Width: |
| C | VCP | 10 in. | |

Scores

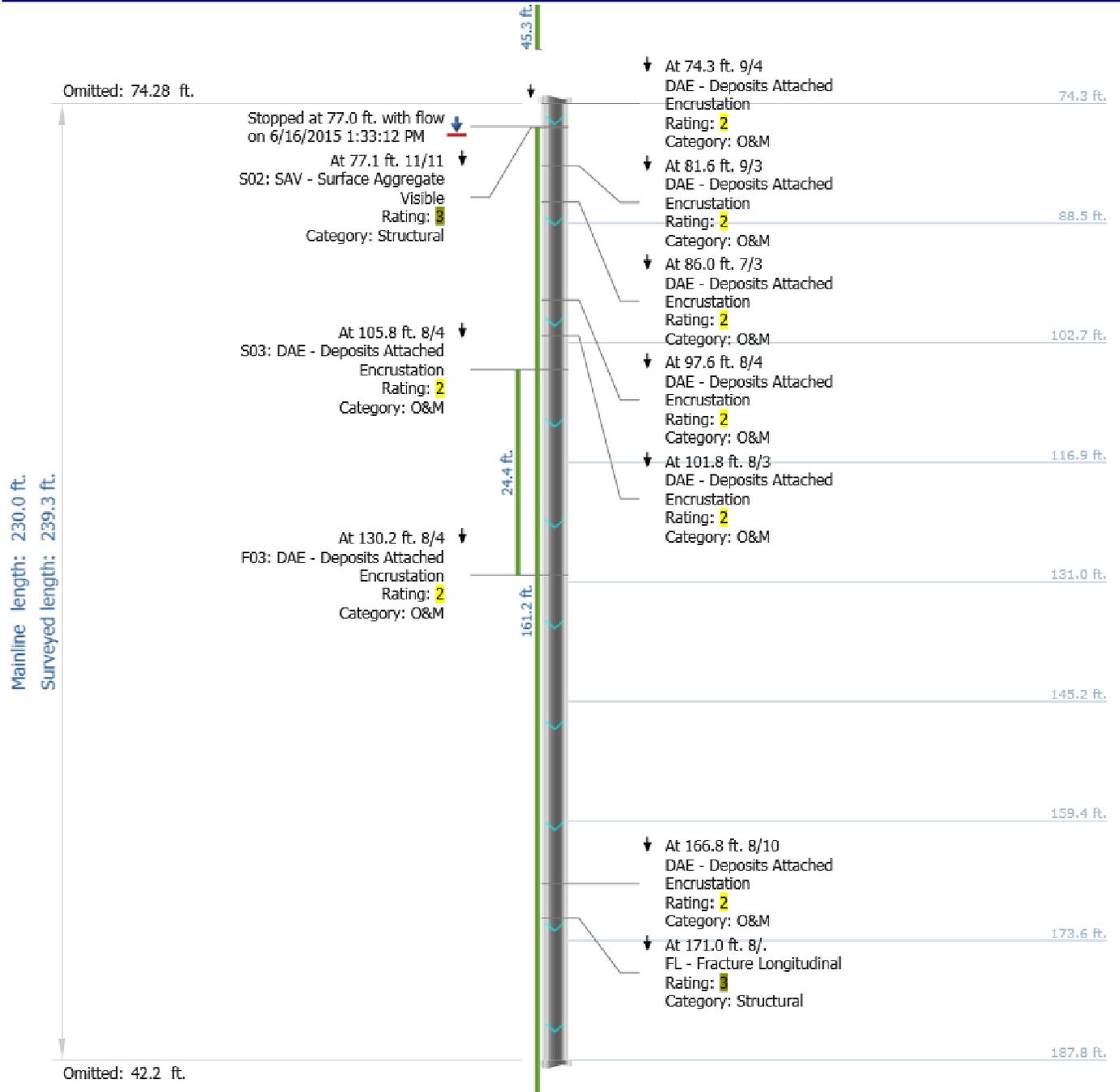
Calculated at: **8/18/2015 11:22:23 AM**

| Grade | Structural: | | | | O&M: | | | | Overall: | |
|----------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 0 | 133 | 3G22 | 2.96 | 0 | 28 | 2A00 | 2.00 | 161 | 2.73 |
| 2 | 4 | | | | 28 | | | | | |
| 3 | 129 | | | | 0 | | | | | |
| 4 | 0 | | | | 0 | | | | | |
| 5 | 0 | | | | 0 | | | | | |



Weather:

1



Project name:
PACKET-5 SANITARY

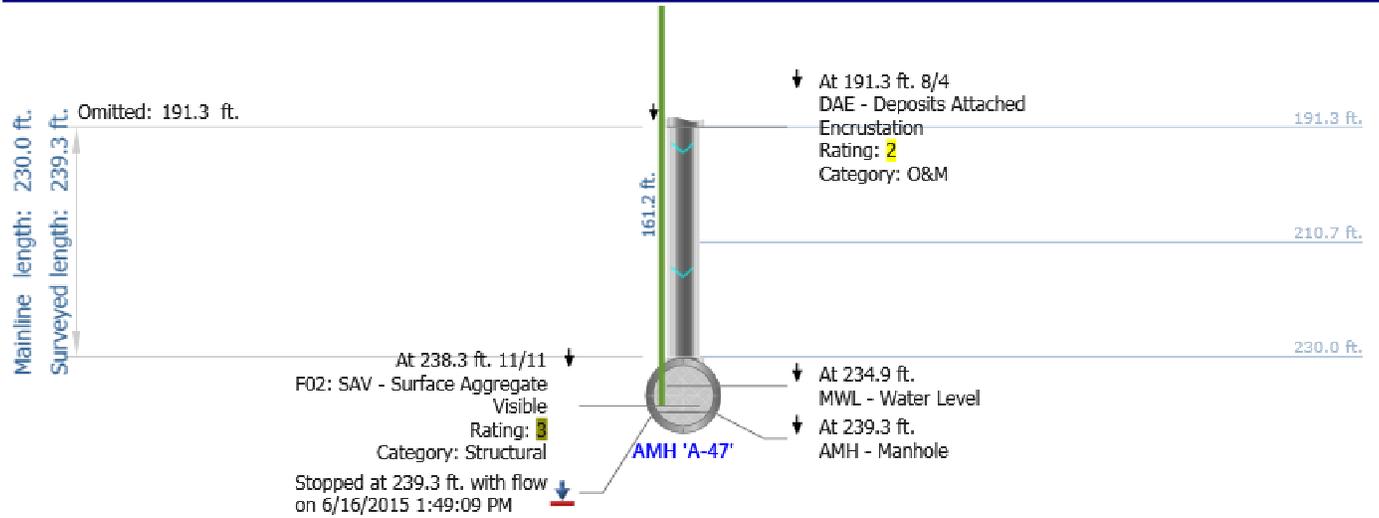
Mainline ID:
A-48 - A-47 - 6451

Start date/time:
6/16/2015 1:26 PM

Direction:
D

Weather:

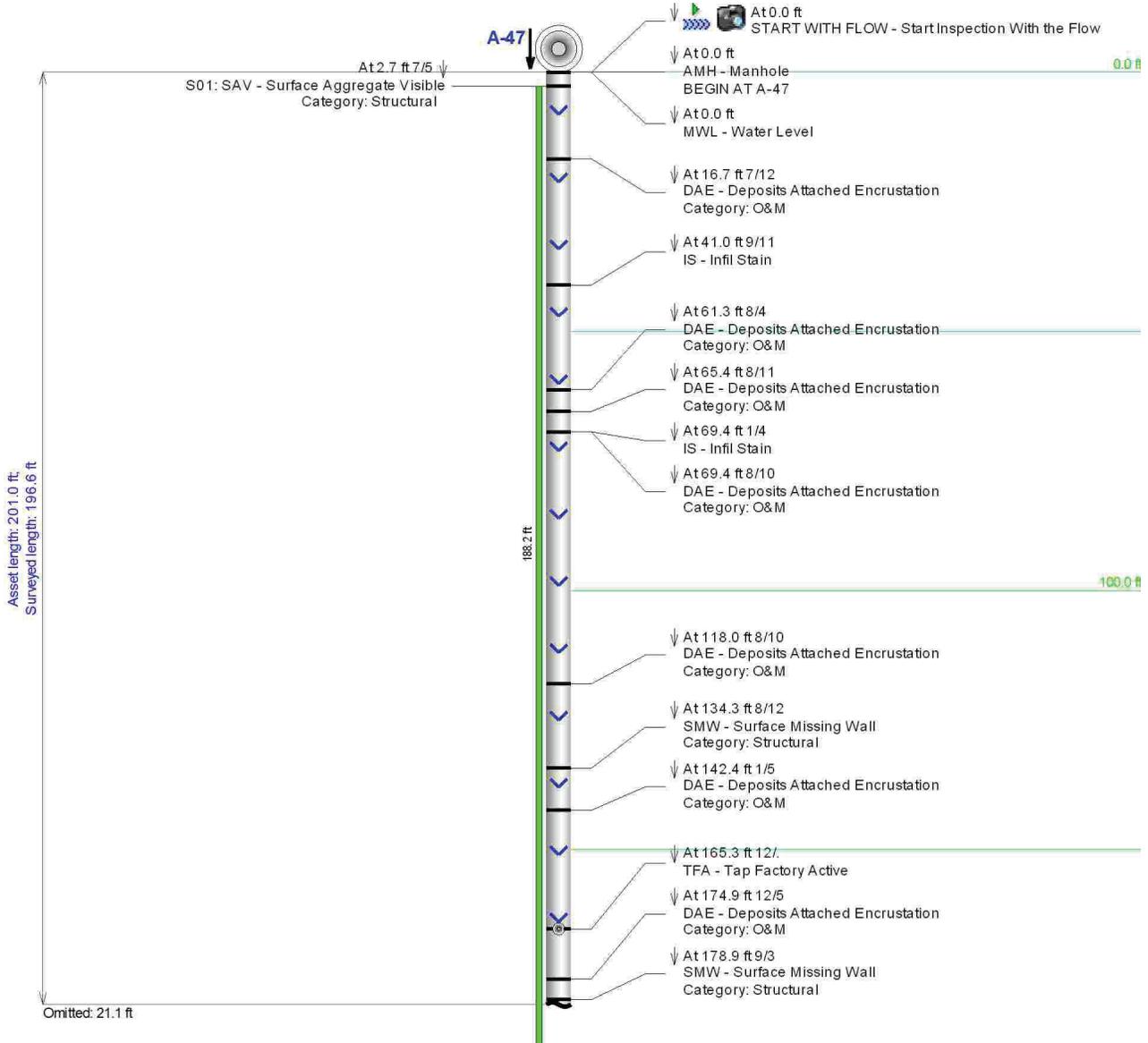
1





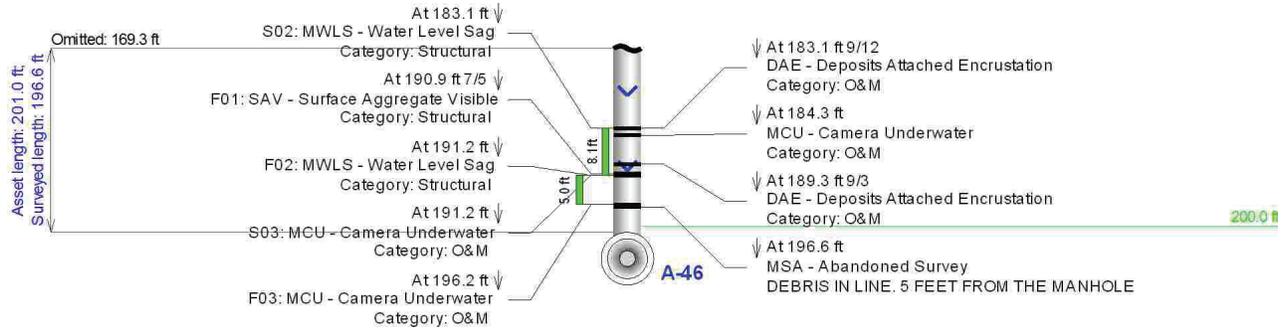
Main Inspection with Pipe-Run Graph

| | | | | | | | |
|--|----------------------------------|---|-------------------------|-----------------------------|----------------------|----------------------------|--|
| Project Name: CITY OF MT PLEASANT PACKET 7 SAN | | Pipeline segment ref: A-47-A-46 | | City: MT PLEASANT | | Street: CHIPPEWA | |
| Start date/time: 10/22/2014 | Width: 10 | Height: 10 | Material: RCP | Location code: C | Weather: 1 | | |
| Direction: Downstream | Length surveyed: 196.6 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |





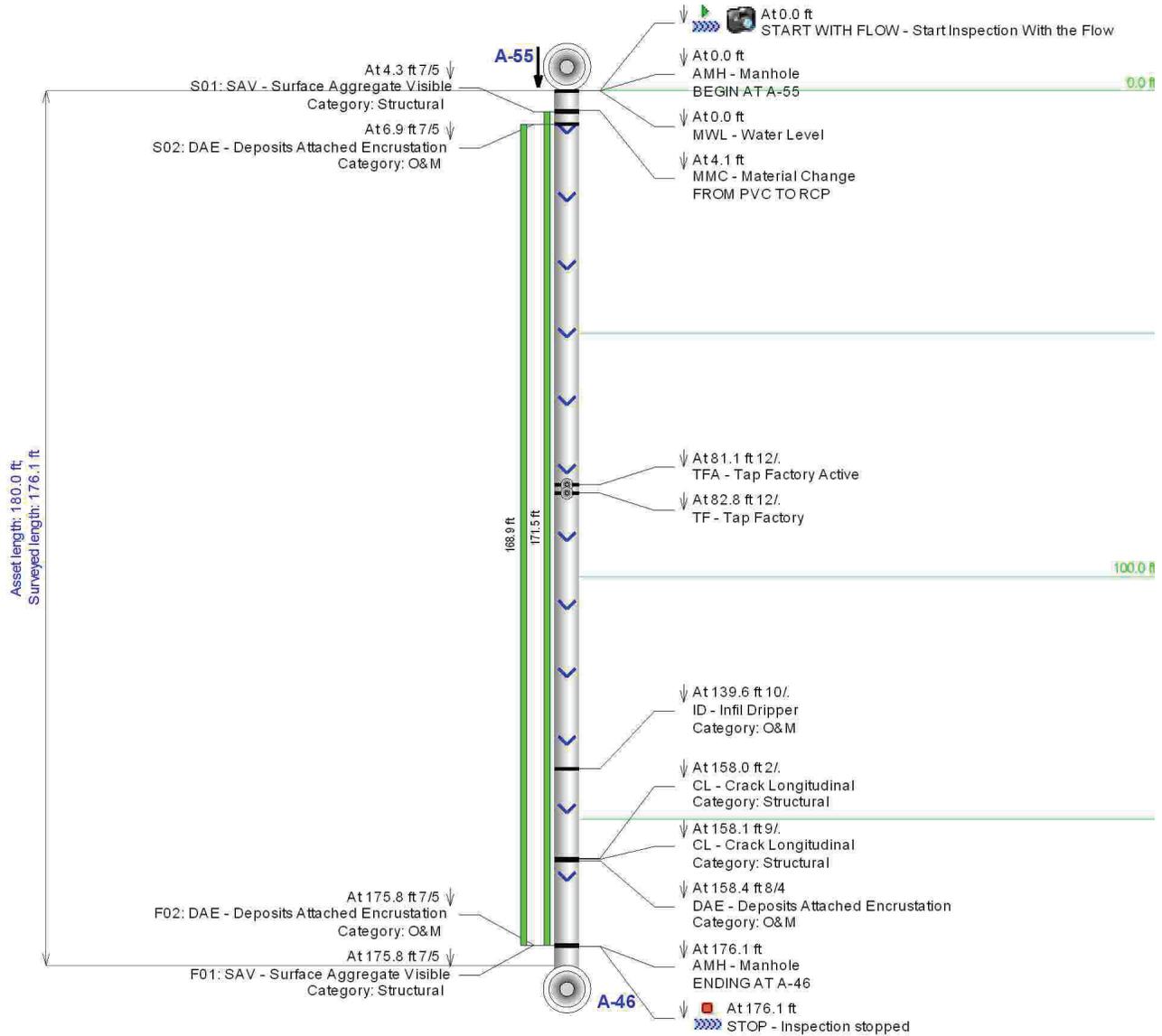
| | | | | | | | |
|--|--|---|----------------------|---------------------------------------|----------------------------|----------------------------|----------------------|
| Project Name: CITY OF MT PLEASANT PACKET 7 SAN | | Pipeline segment ref: A-47-A-46 | | City: MT PLEASANT | | Street: CHIPPEWA | |
| Start date/time: 10/22/2014 | | Width: 10 | Height: 10 | Material: RCP | Location code: C | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 196.6 | | Surveyed by: ALEX SCHMELING | | Additional info: | |





Main Inspection with Pipe-Run Graph

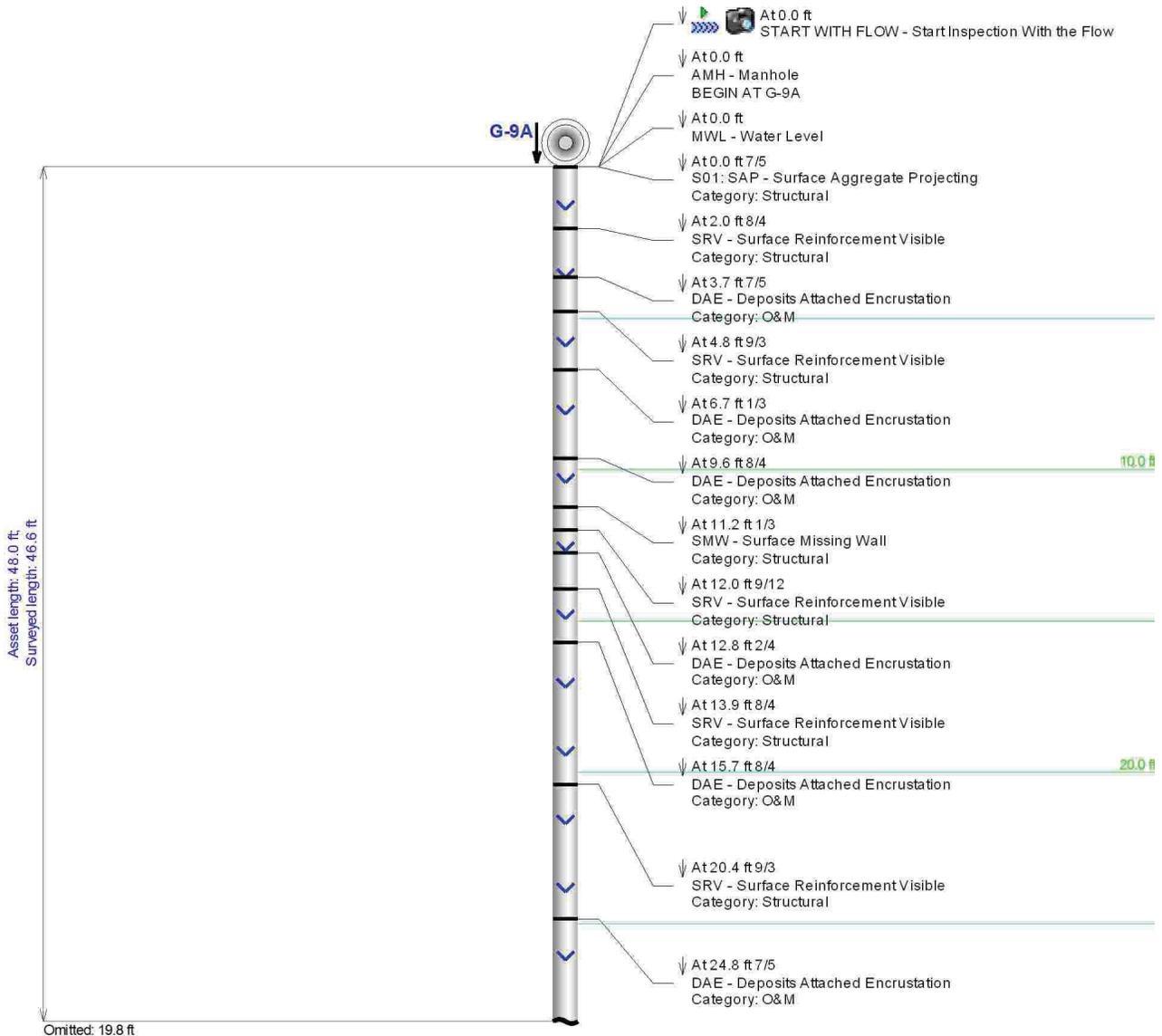
| | | | | | | | |
|--|----------------------------------|---|-------------------------|-----------------------------|----------------------|----------------------------|--|
| Project Name: CITY OF MT PLEASANT PACKET 7 SAN | | Pipeline segment ref: A-55-A-46_1 | | City: MT PLEASANT | | Street: CHIPPEWA | |
| Start date/time: 10/22/2014 | Width: 12 | Height: 12 | Material: PVC | Location code: C | Weather: 1 | | |
| Direction: Downstream | Length surveyed: 176.1 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |



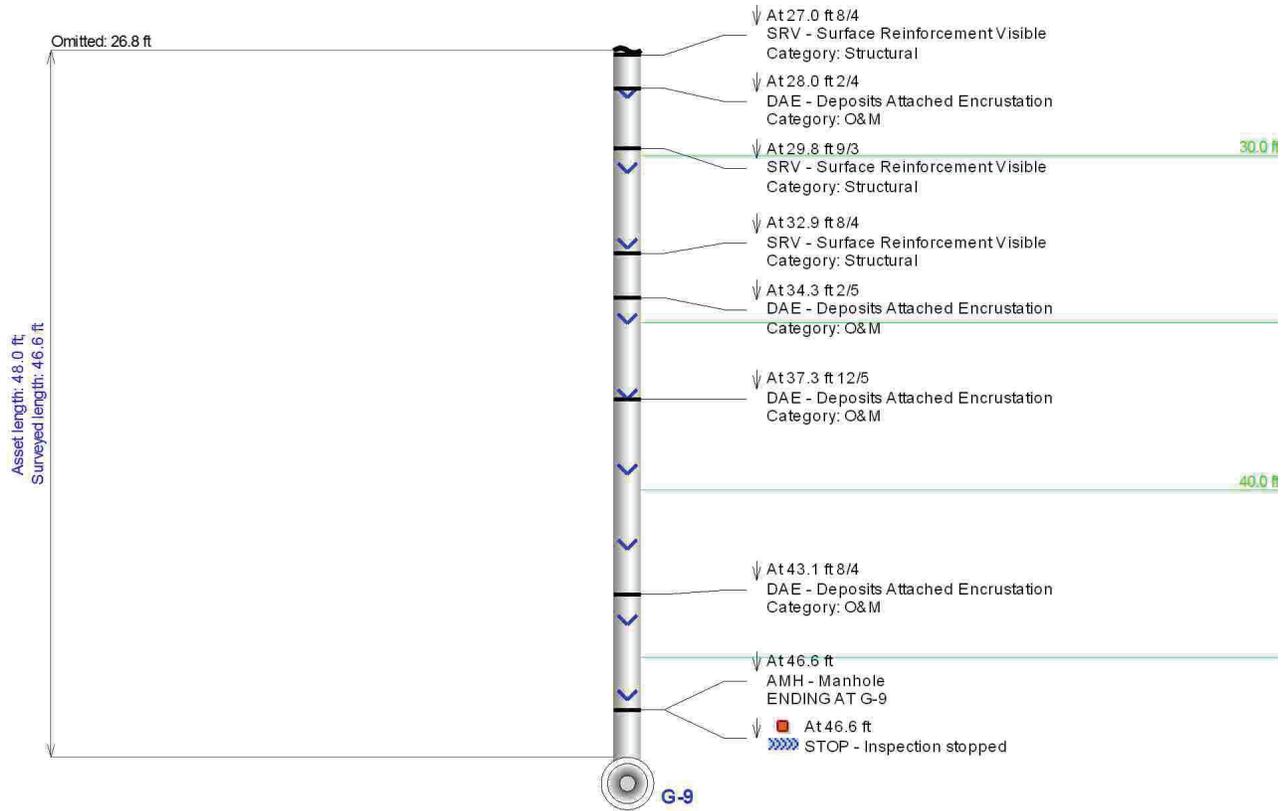


Main Inspection with Pipe-Run Graph

| | | | |
|--|--|---------------------------------------|---------------------------|
| Project Name: RECLEAN SECTIONS | Pipeline segment ref: G-9A-G-9_1 | City: MT PLEASANT | Street: PICKARD |
| Start date/time: 12/5/2014 | Width: 15 | Height: 15 | Material: RCP |
| Direction: Downstream | Length surveyed: 46.6 | Surveyed by: ALEX SCHMELING | Additional info: |



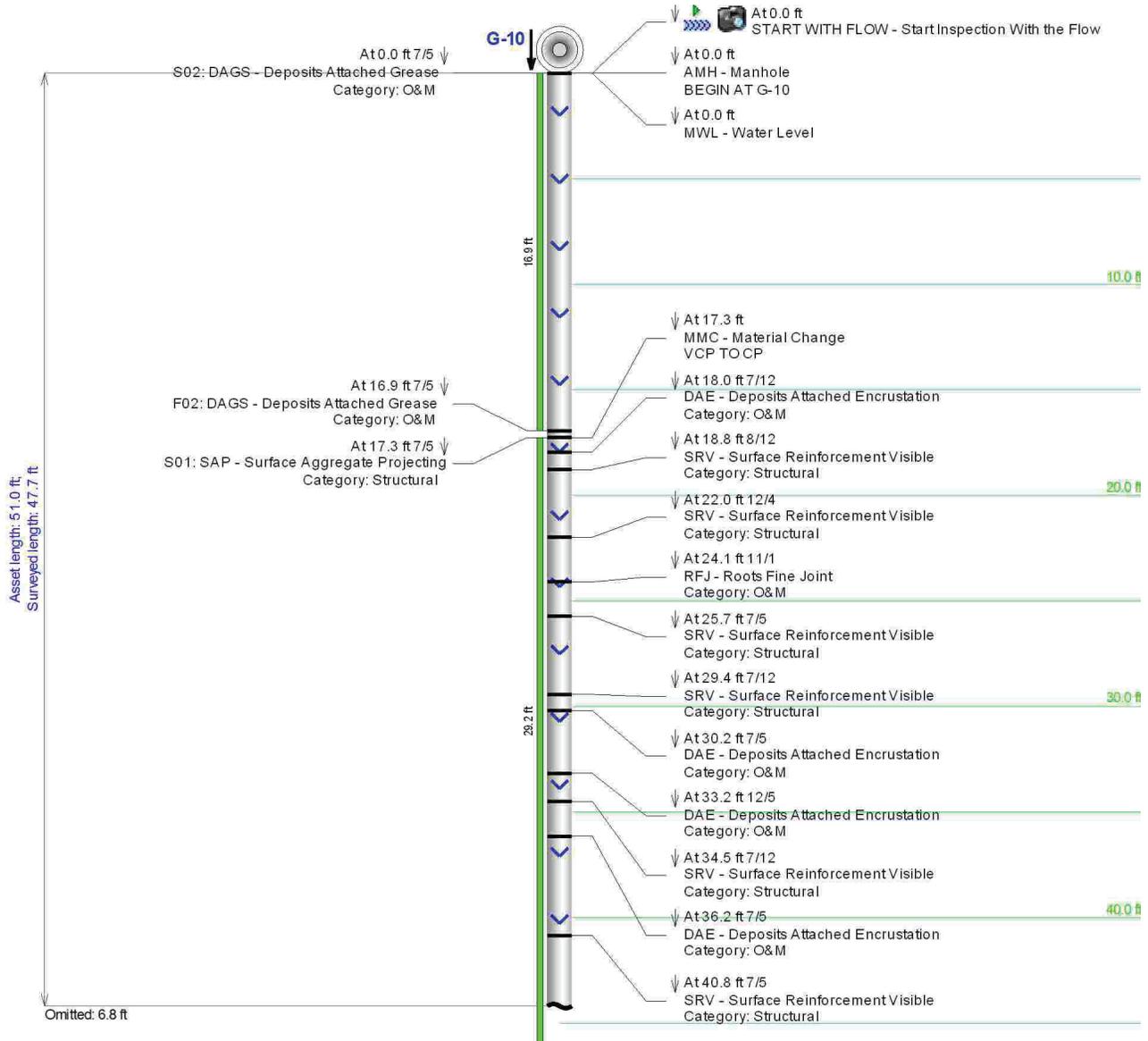
| | | | |
|--|--|---------------------------------------|----------------------------|
| Project Name: RECLEAN SECTIONS | Pipeline segment ref: G-9A-G-9_1 | City: MT PLEASANT | Street: PICKARD |
| Start date/time: 12/5/2014 | Width: 15 | Height: 15 | Material: RCP |
| Direction: Downstream | Length surveyed: 46.6 | Surveyed by: ALEX SCHMELING | Location code: B |
| | | | Weather: 1 |
| | | | Additional info: |





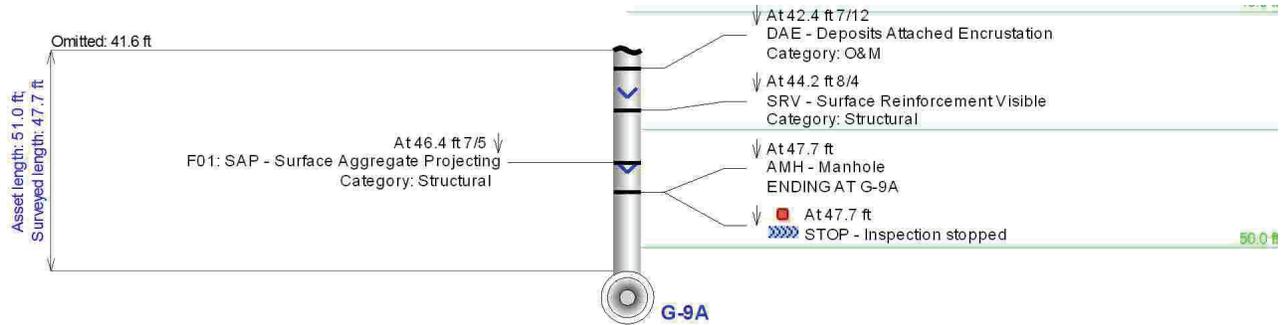
Main Inspection with Pipe-Run Graph

| | | | |
|--|---|---------------------------------------|---------------------------|
| Project Name: RECLEAN SECTIONS | Pipeline segment ref: G-10-G-9A_1 | City: MT PLEASANT | Street: PICKARD |
| Start date/time: 12/5/2014 | Width: 15 | Height: 15 | Material: VCP |
| Direction: Downstream | Length surveyed: 47.7 | Surveyed by: ALEX SCHMELING | Additional info: |
| Location code: B | | Weather: 1 | |





| | | | |
|--|---|---------------------------------------|---------------------------|
| Project Name: RECLEAN SECTIONS | Pipeline segment ref: G-10-G-9A_1 | City: MT PLEASANT | Street: PICKARD |
| Start date/time: 12/5/2014 | Width: 15 | Height: 15 | Material: VCP |
| | | Location code: B | Weather: 1 |
| Direction: Downstream | Length surveyed: 47.7 | Surveyed by: ALEX SCHMELING | Additional info: |



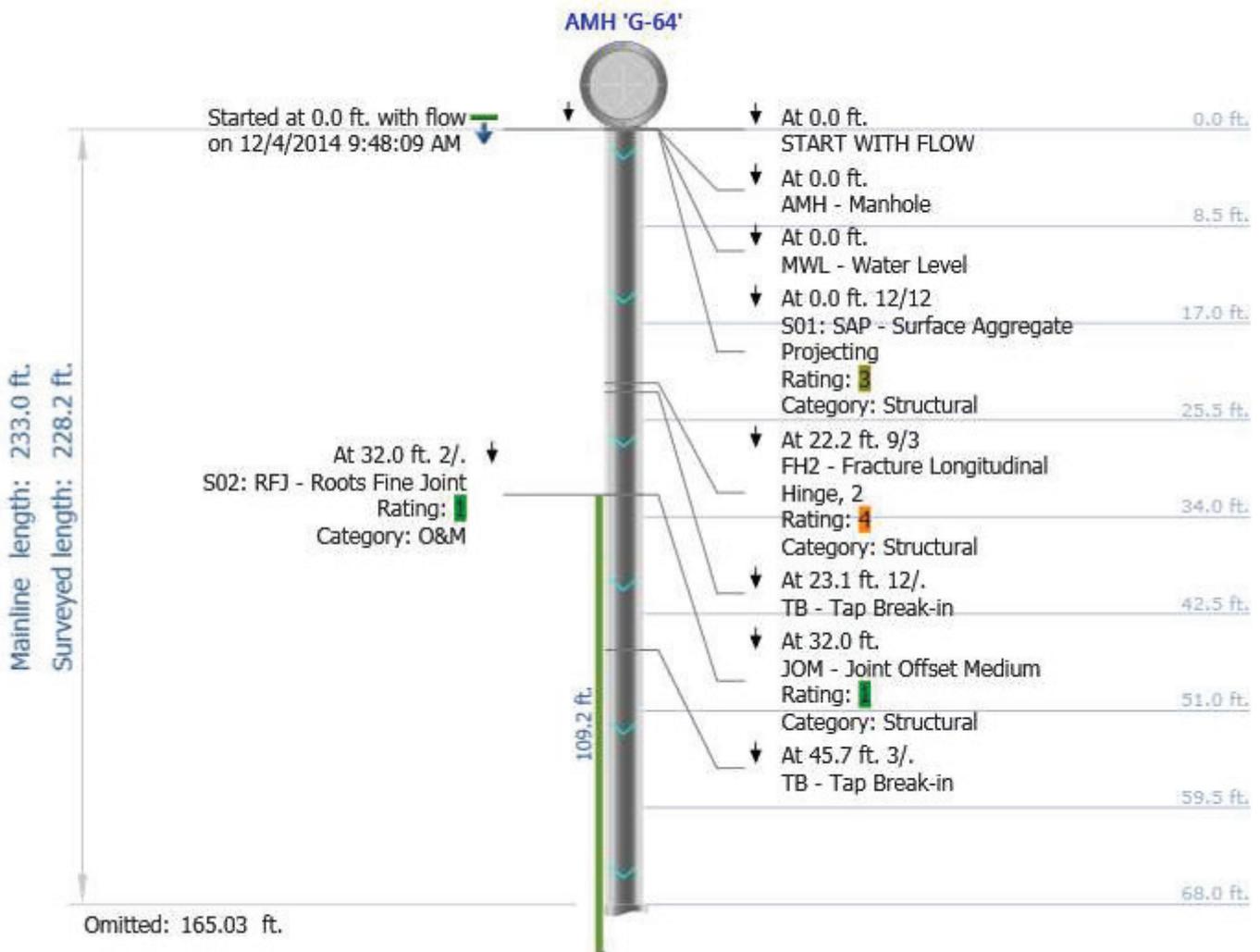
Main Inspections Pipe Run and Scoring

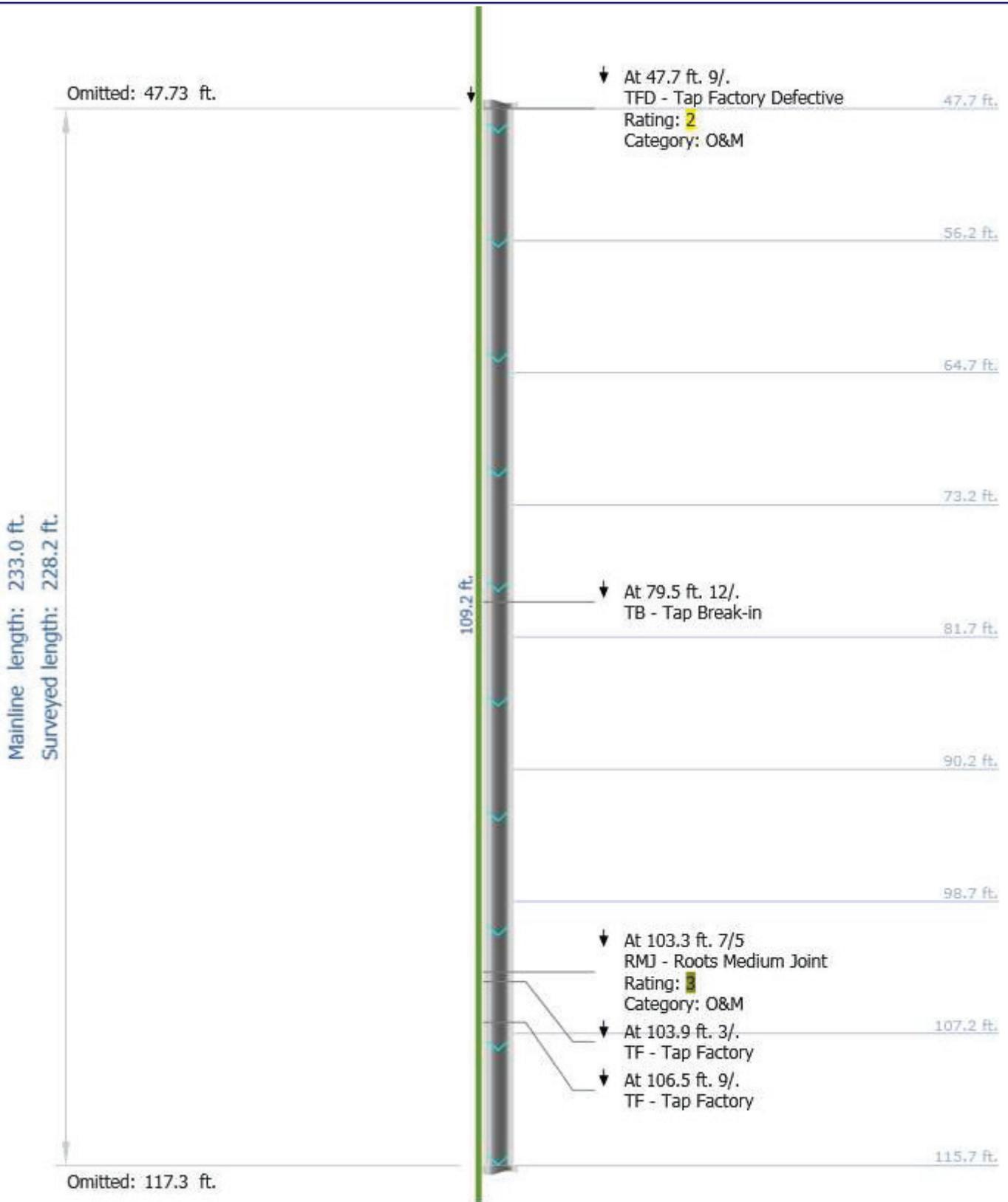
Project name: **HEAVY CLEAN SANITARY MT PLEASANT 2014** Mainline ID: **G-64-G-63_1** City: **MT PLEASANT** Street: **WARD EASEMENT**
 Start date/time: **12/4/2014 9:48 AM** Direction: **D** Weather: **1** Location code: **D**
 Shape: **C** Material: **CP** Height: **8 in.** Width:

Scores

Calculated at: **8/18/2015 4:00:38 PM**

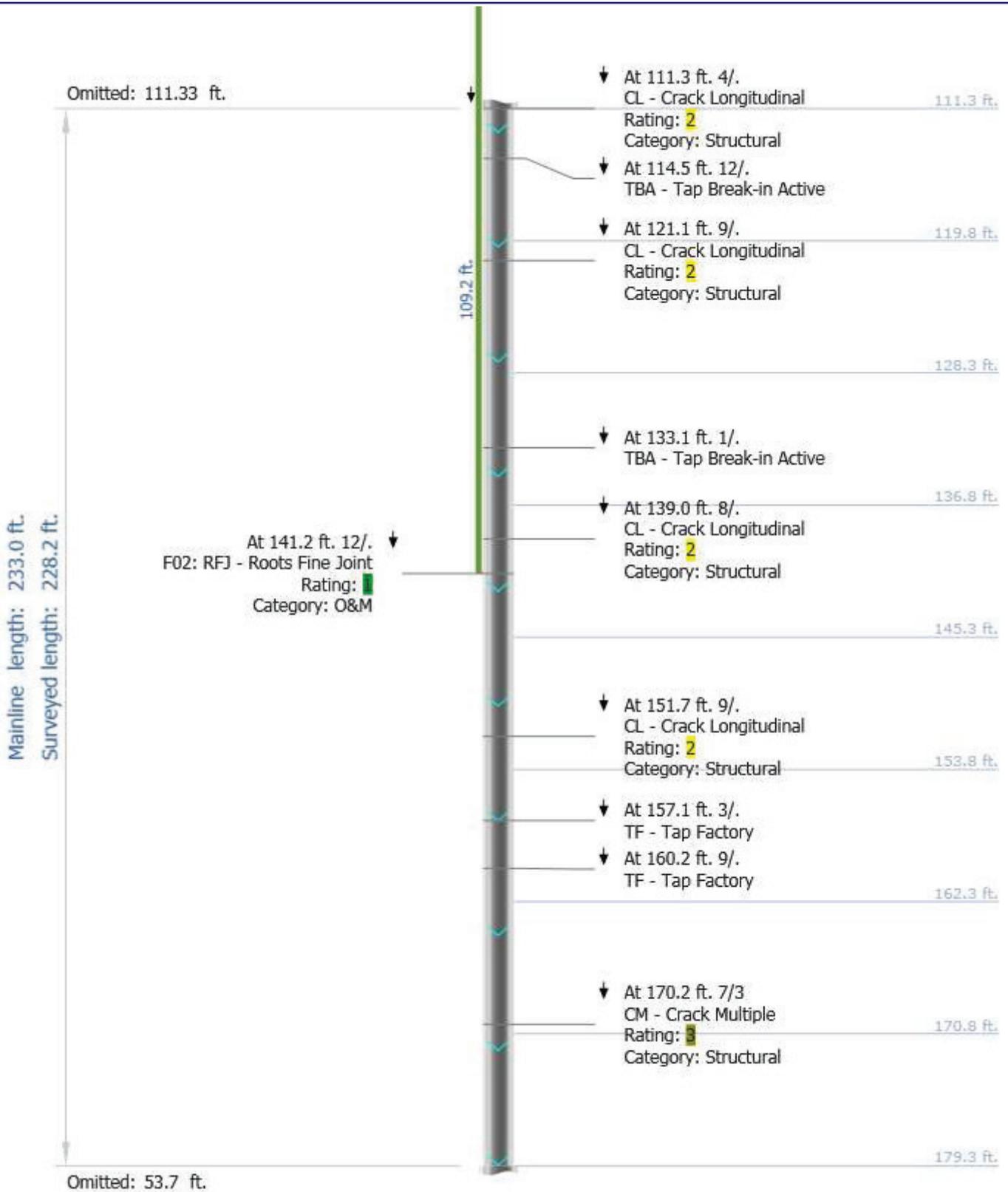
| Grade | Structural: | | | | O&M: | | | | Overall: | |
|-------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 1 | 20 | 4131 | 2.22 | 22 | 27 | 3121 | 1.12 | 47 | 1.42 |
| 2 | 12 | | | | 2 | | | | | |
| 3 | 3 | | | | 3 | | | | | |
| 4 | 4 | | | | 0 | | | | | |
| 5 | 0 | | | | 0 | | | | | |





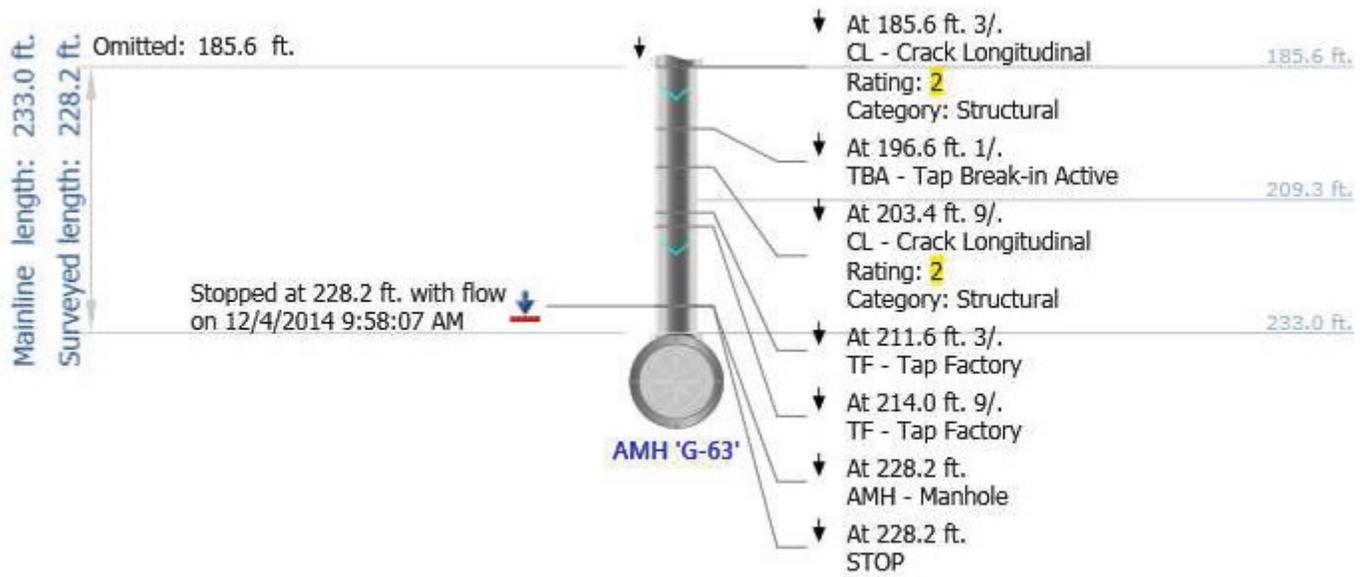
Weather:

1



Weather:

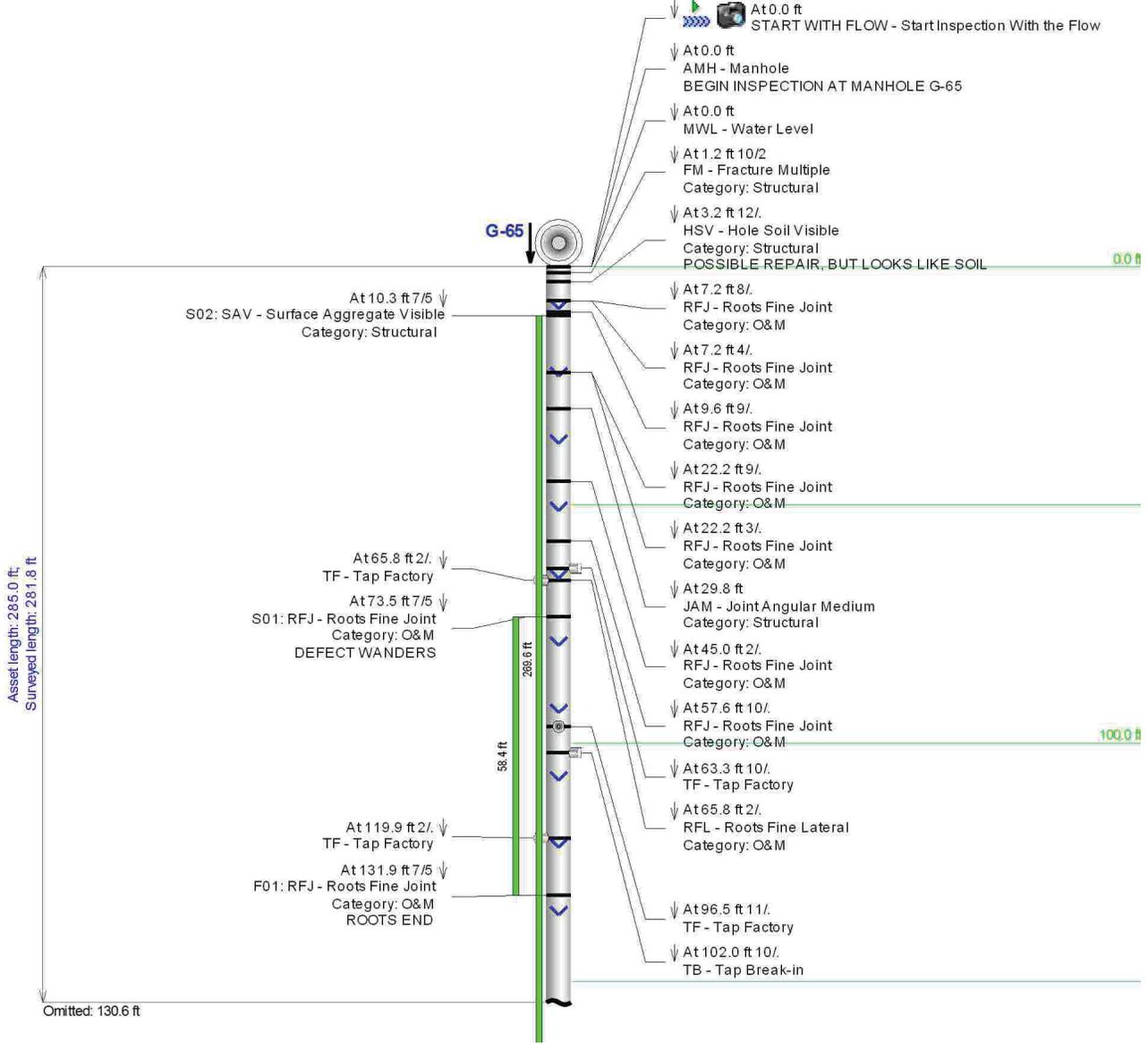
1





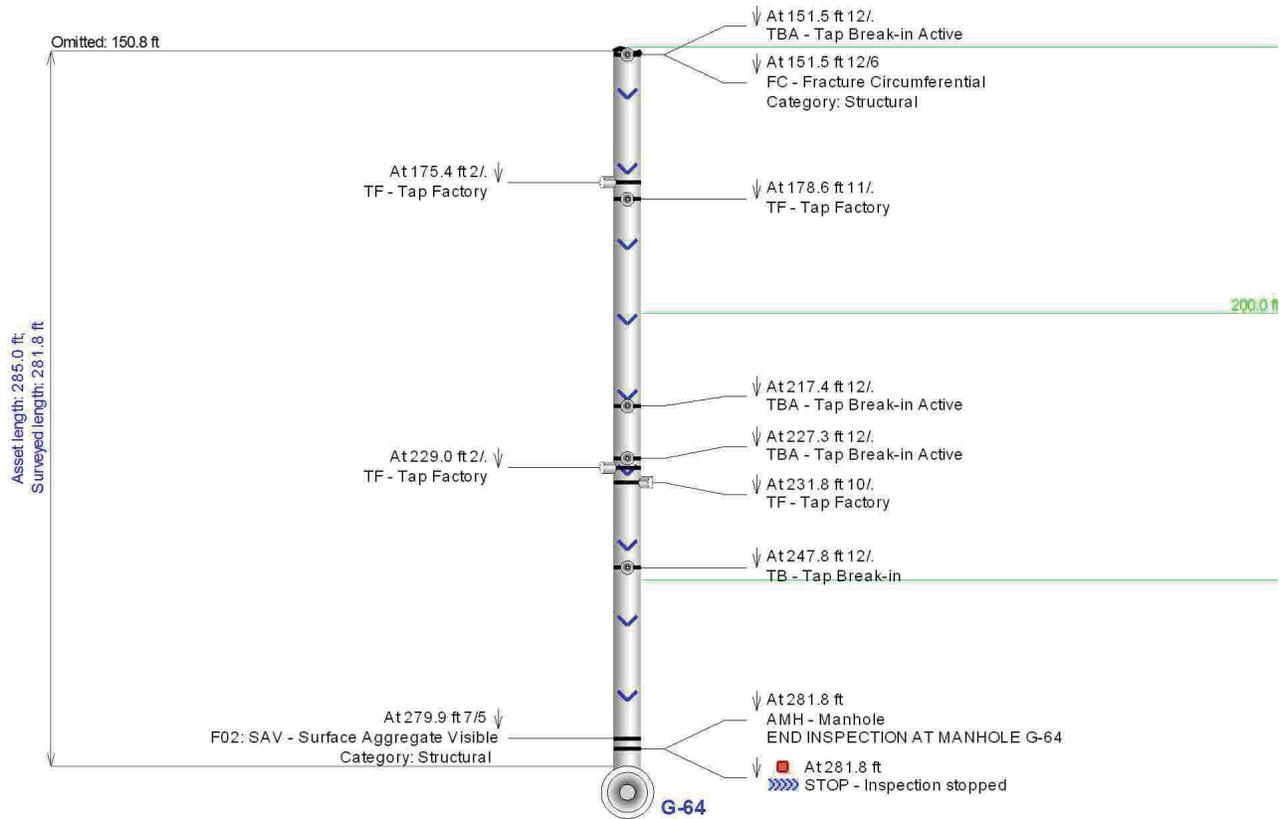
Main Inspection with Pipe-Run Graph

| | | | | | | | |
|---|----------------------------------|---|-------------------------|--------------------------------|----------------------|-------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: G-65-G-64 | | City: MOUNT PLEASANT | | Street: ADAMS | |
| Start date/time: 9/9/2014 | Width: 8 | Height: 8 | Material: RCP | Location code: B | Weather: 1 | | |
| Direction: Downstream | Length surveyed: 281.8 | Surveyed by: PATRICK | | Additional info: | | | |





| | | | | | | | |
|---|--|---|---------------------|--------------------------------|----------------------------|-------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: G-65-G-64 | | City: MOUNT PLEASANT | | Street: ADAMS | |
| Start date/time: 9/9/2014 | | Width: 8 | Height: 8 | Material: RCP | Location code: B | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 281.8 | | Surveyed by: PATRICK | | Additional info: | |



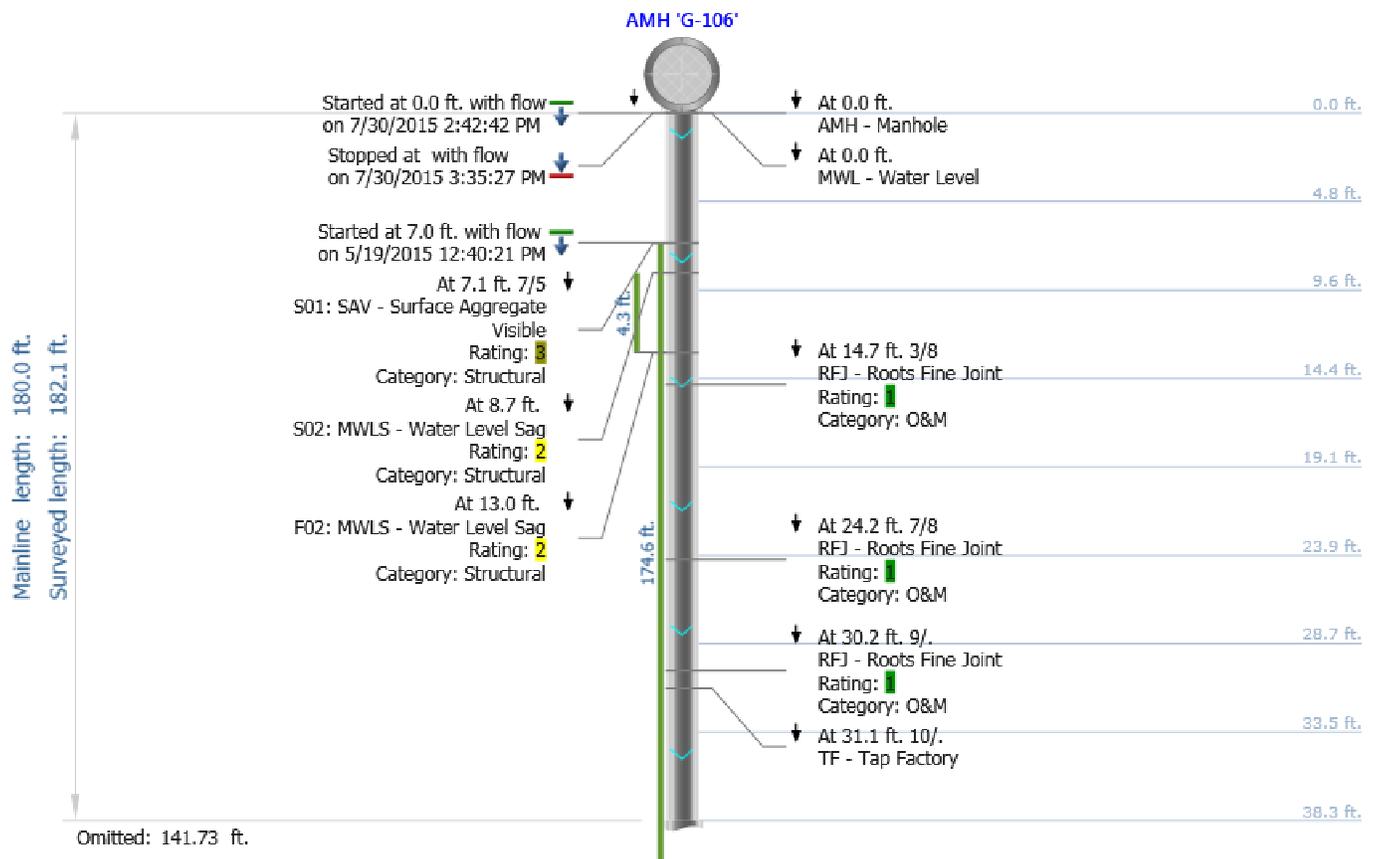
Main Inspections Pipe Run and Scoring

| | | | |
|---|---|-----------------------------|----------------------------|
| Project name: PACKET 1 SANITARY SEWER | Mainline ID: G-106 - G-105 - 5866 | City: MT PLEASANT | Street: MARY ANN |
| Start date/time: 5/19/2015 12:40 PM | Direction: D | Weather: | Location code: B |
| Shape: C | Material: RCP | Height: 8 in. | Width: |

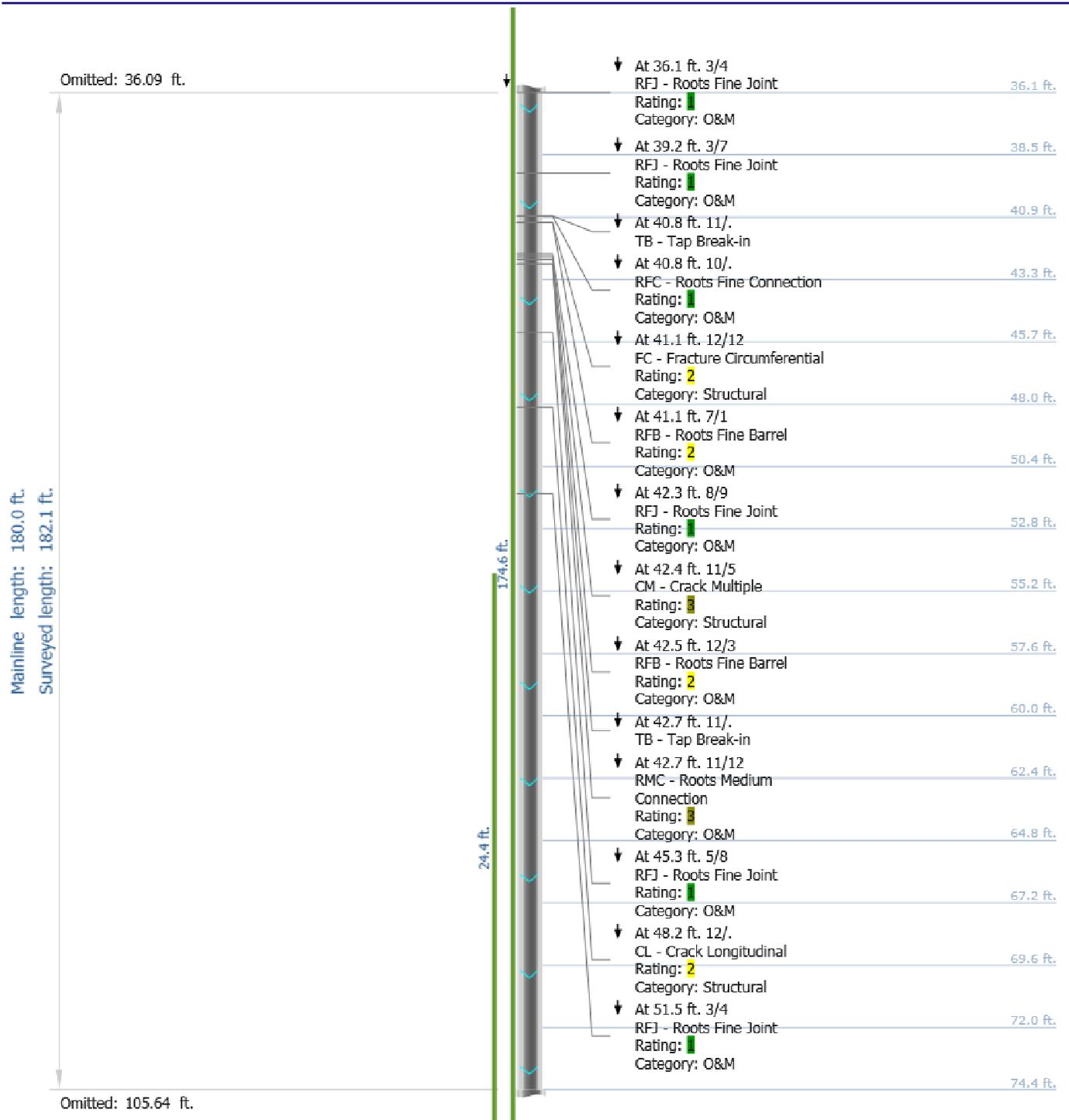
Scores

Calculated at: **7/30/2015 3:35:29 PM**

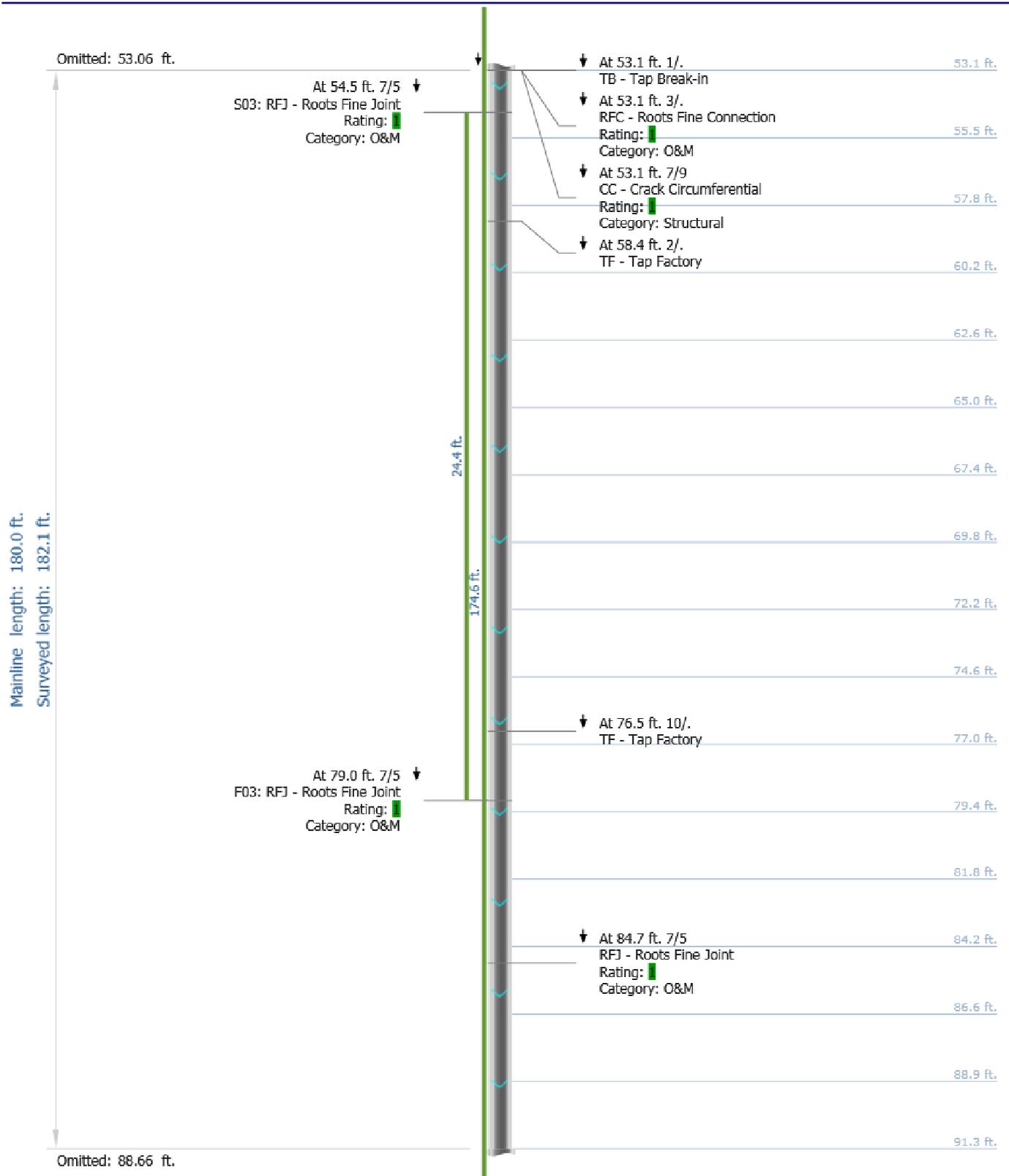
| Grade | Structural: | | | | O&M: | | | | Overall: | |
|----------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 3 | 125 | 3F27 | 2.72 | 20 | 29 | 3123 | 1.21 | 154 | 2.20 |
| 2 | 14 | | | | 6 | | | | | |
| 3 | 108 | | | | 3 | | | | | |
| 4 | 0 | | | | 0 | | | | | |
| 5 | 0 | | | | 0 | | | | | |



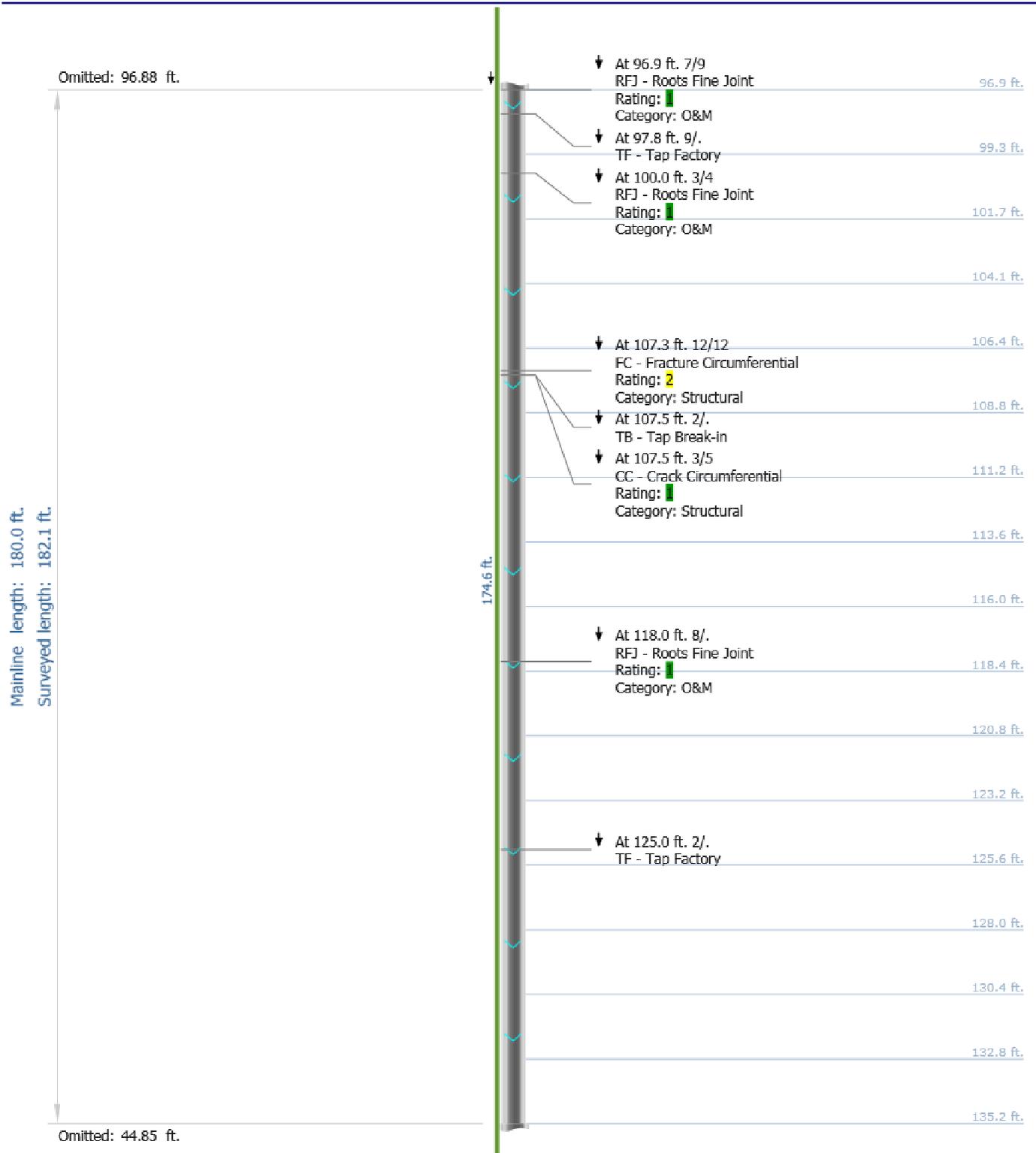
Weather:



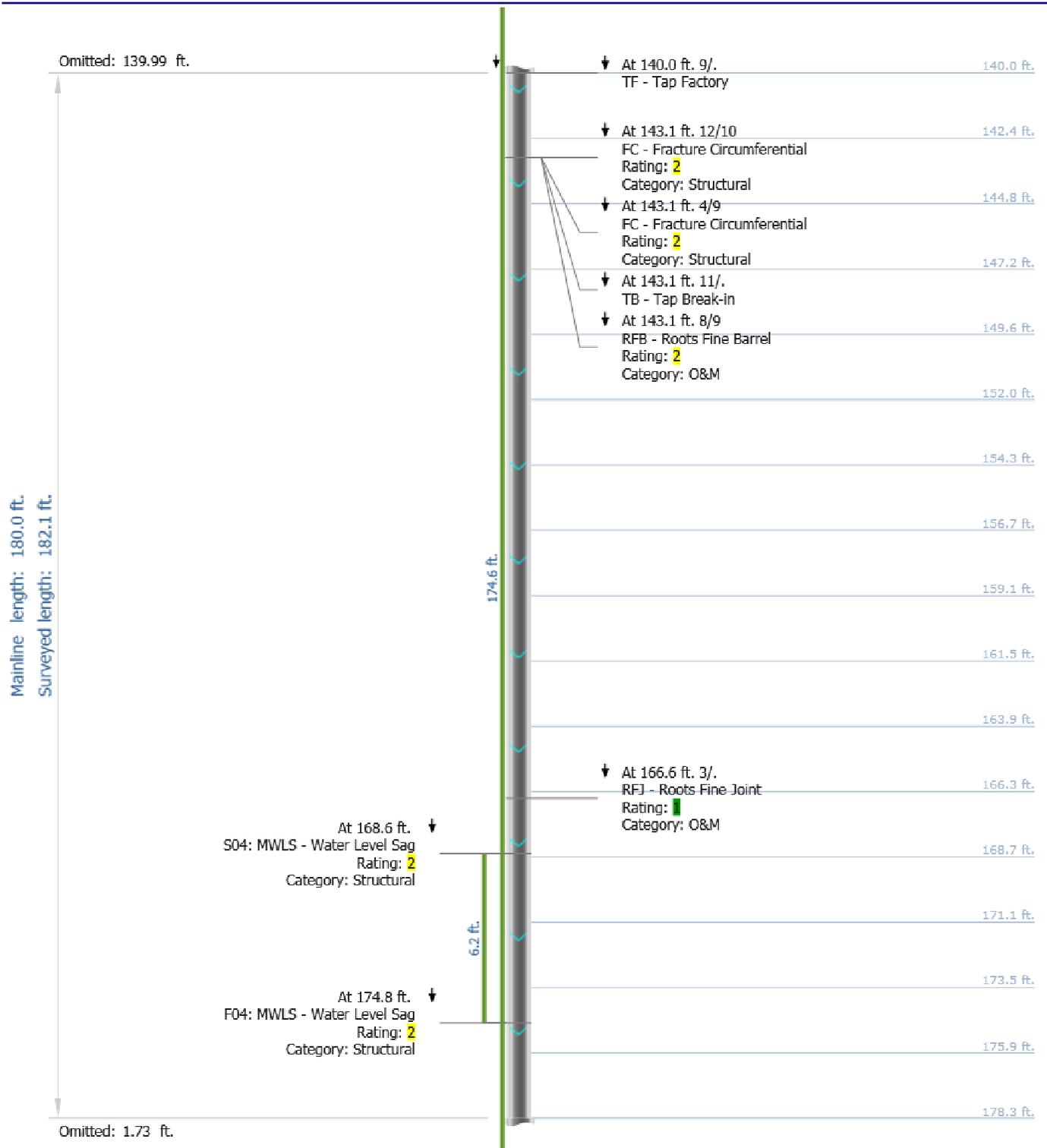
Weather:



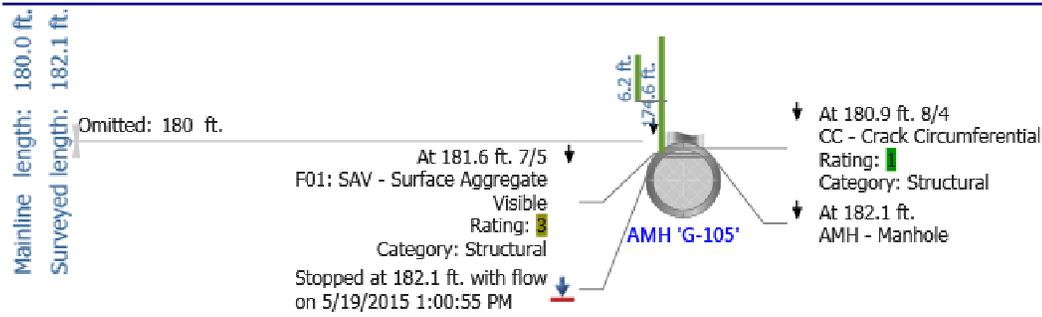
Weather:



Weather:



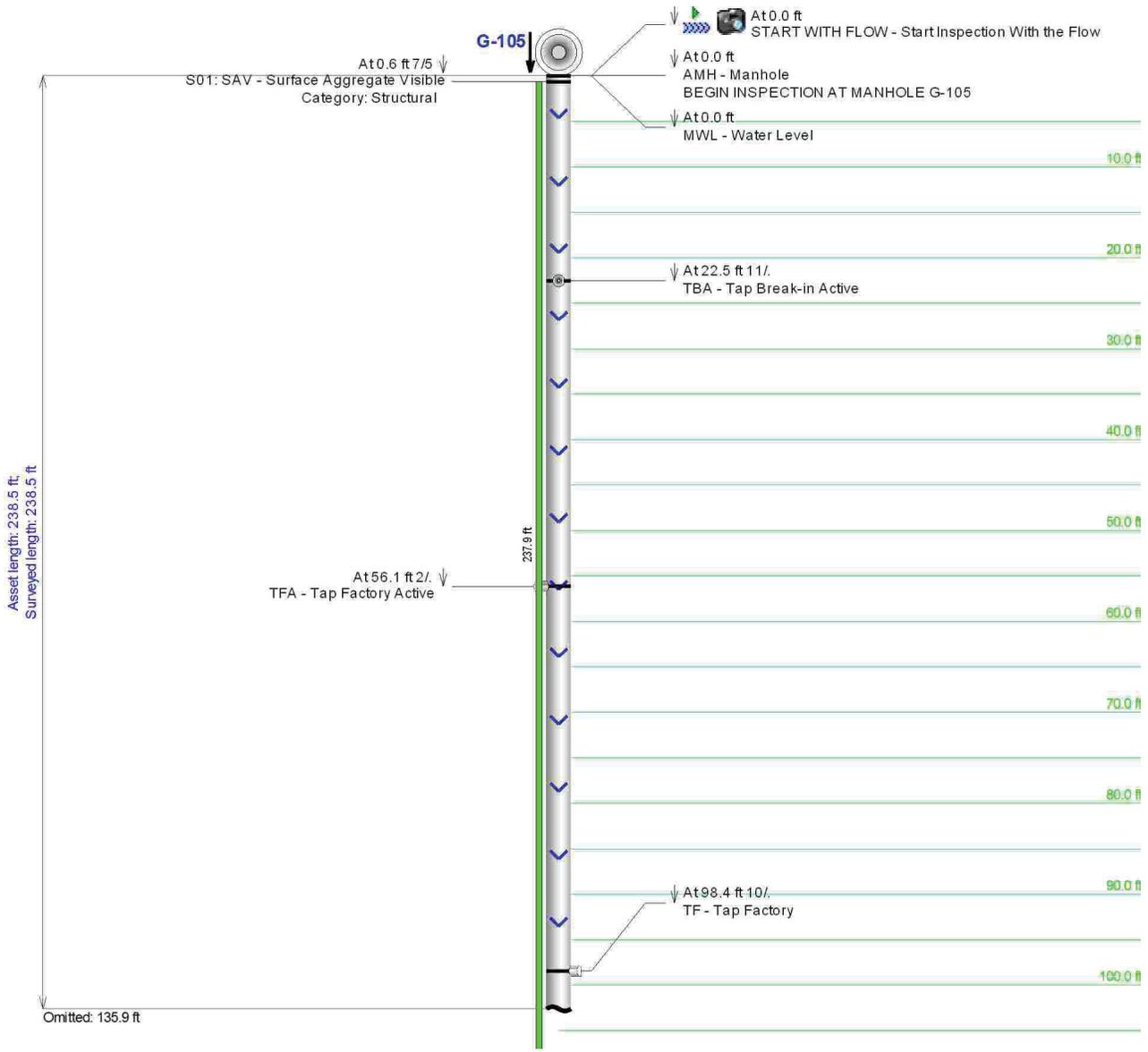
Weather:





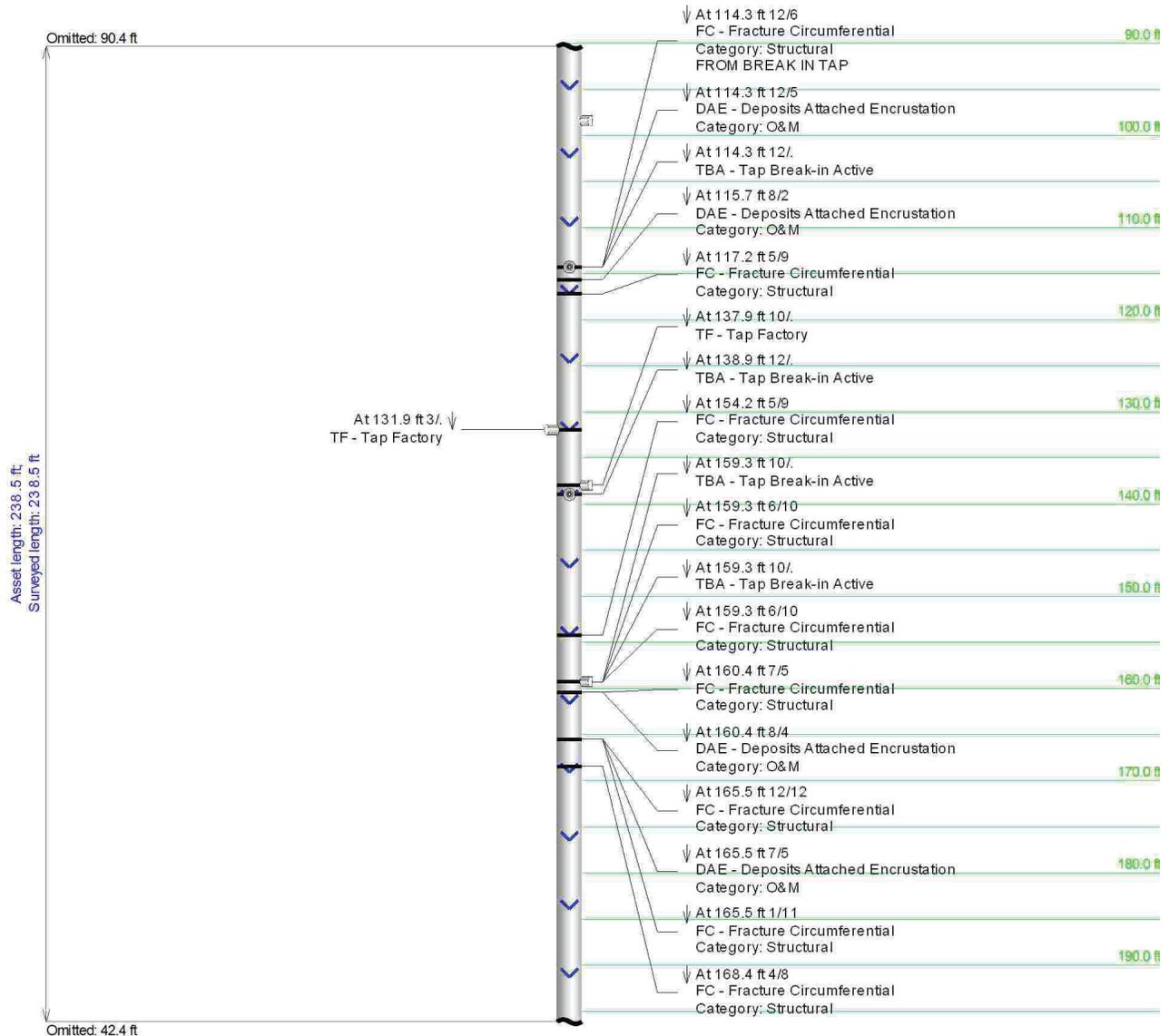
Main Inspection with Pipe-Run Graph

| | | | |
|---|---|--------------------------------|----------------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | Pipeline segment ref: G-105-G-105-1 | City: MOUNT PLEASANT | Street: MARY ANN |
| Start date/time: 9/9/2014 | Width: 8 | Height: 8 | Material: VCP |
| Direction: Downstream | Length surveyed: 238.5 | Surveyed by: PATRICK | Location code: B |
| | | Weather: 1 | |
| Additional info: | | | |

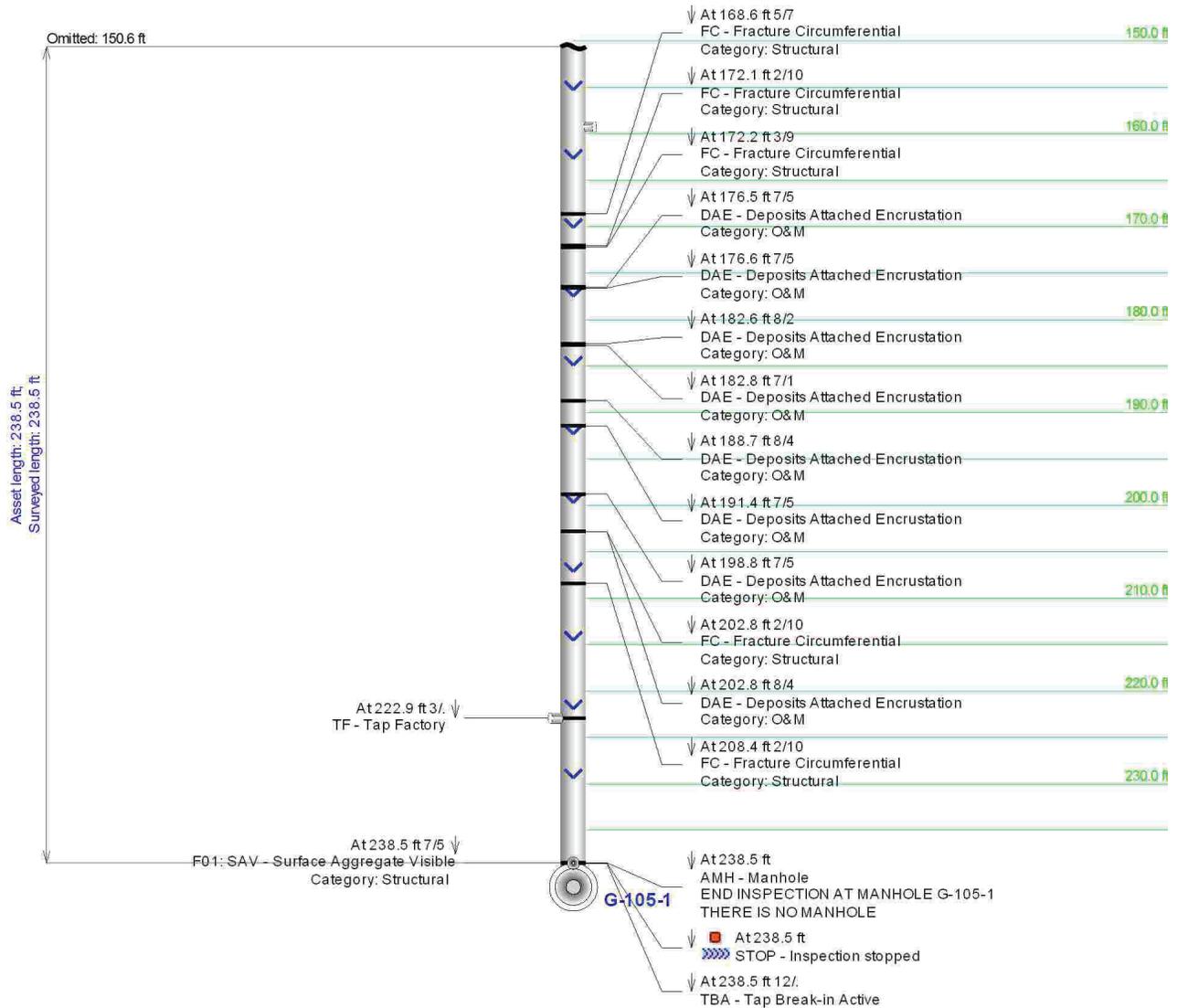




| | | | | | | | |
|---|----------------------------------|---|-------------------------|--------------------------------|----------------------|----------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: G-105-G-105-1 | | City: MOUNT PLEASANT | | Street: MARY ANN | |
| Start date/time: 9/9/2014 | Width: 8 | Height: 8 | Material: VCP | Location code: B | Weather: 1 | | |
| Direction: Downstream | Length surveyed: 238.5 | Surveyed by: PATRICK | | Additional info: | | | |



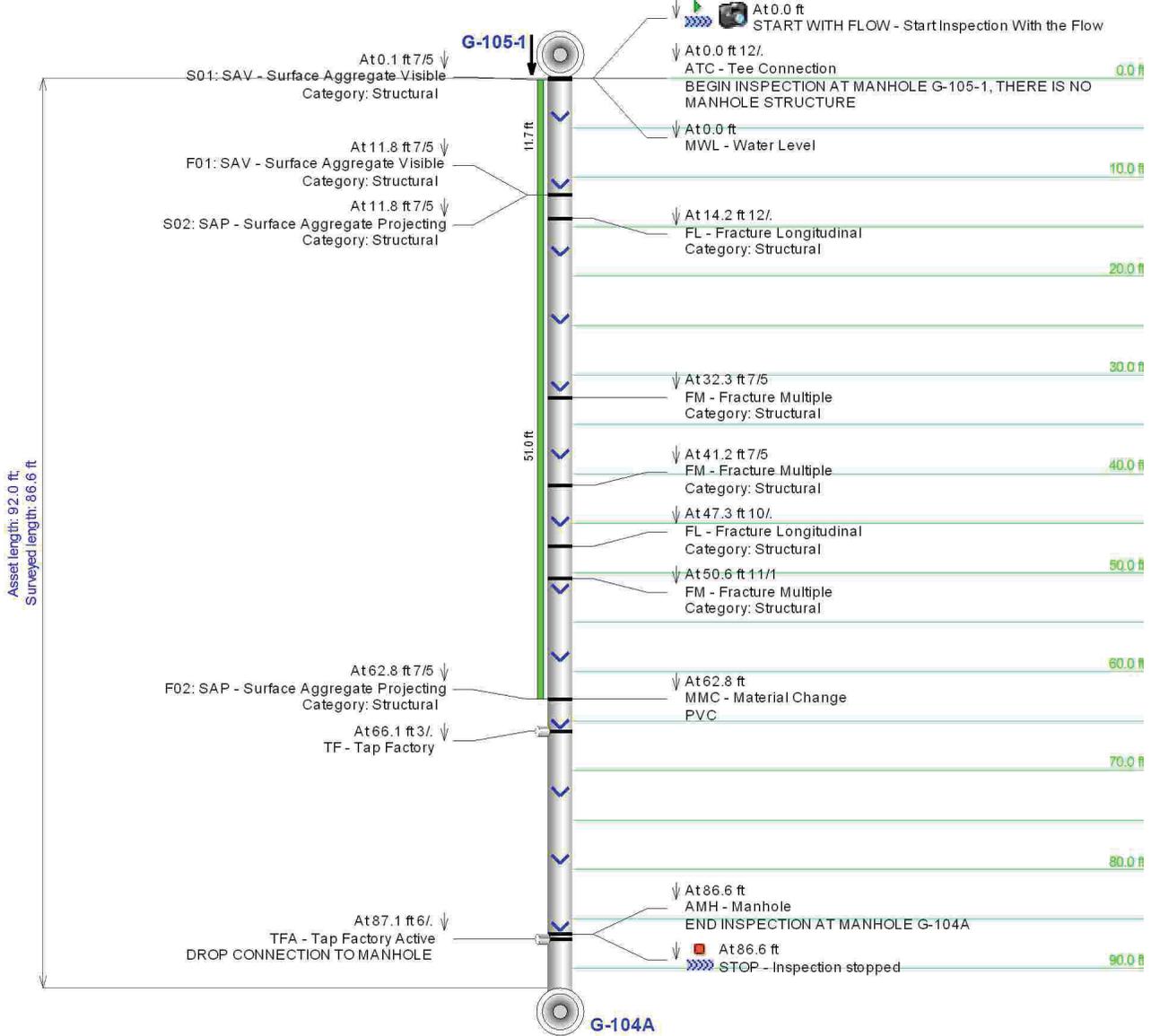
| | | | | | | | |
|---|--------------------|---|--------------------------------|--------------------------------|----------------------|----------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: G-105-G-105-1 | | City: MOUNT PLEASANT | | Street: MARY ANN | |
| Start date/time: 9/9/2014 | Width: 8 | Height: 8 | Material: VCP | Location code: B | Weather: 1 | | |
| Direction: Downstream | | Length surveyed: 238.5 | Surveyed by: PATRICK | | Additional info: | | |





Main Inspection with Pipe-Run Graph

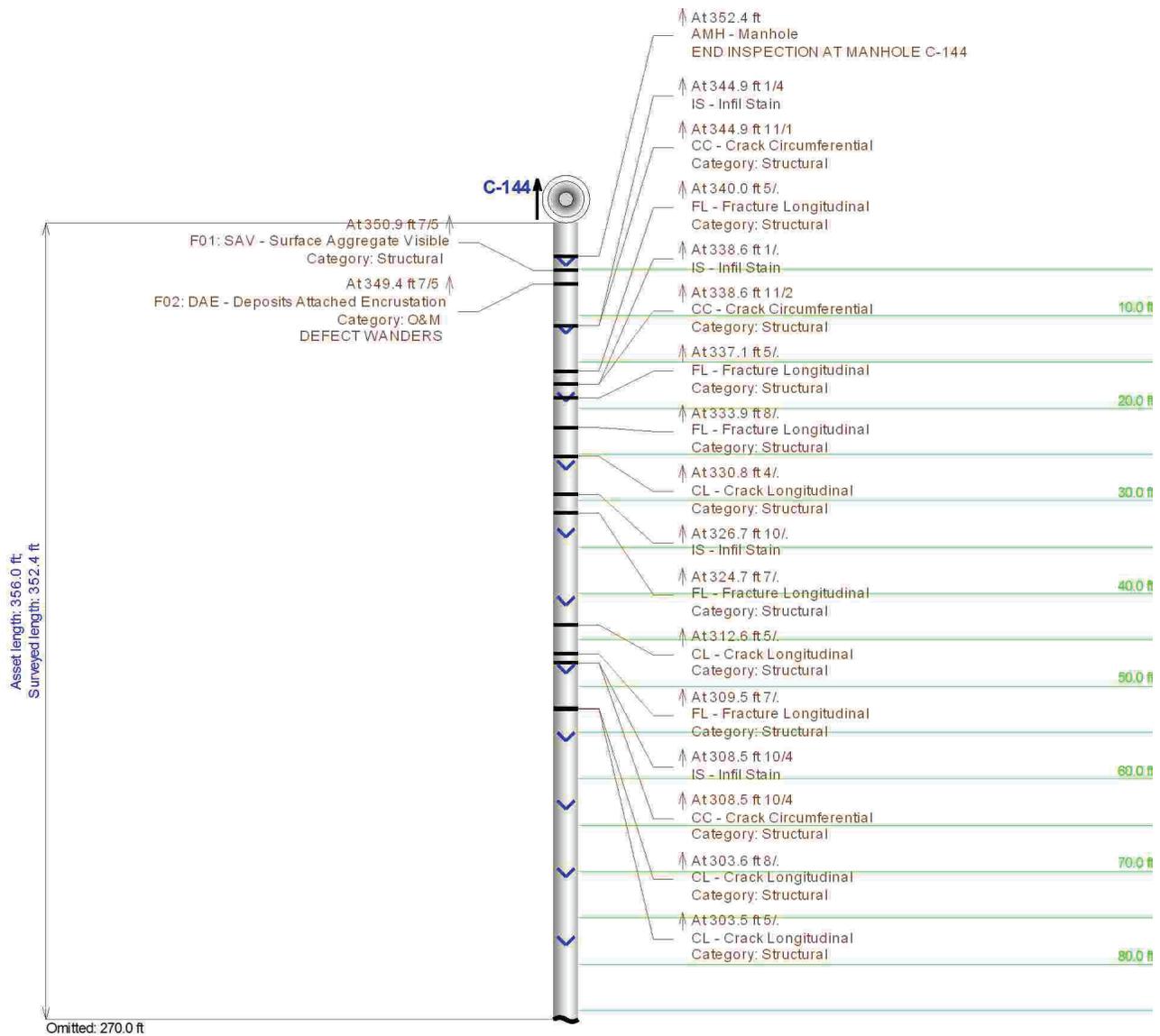
| | | | | | | | |
|---|---------------------------------|--|-------------------------|--------------------------------|----------------------|----------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: G-105-1-G-104A | | City: MOUNT PLEASANT | | Street: MARY ANN | |
| Start date/time: 9/9/2014 | Width: 8 | Height: 8 | Material: RCP | Location code: B | Weather: 1 | | |
| Direction: Downstream | Length surveyed: 86.6 | Surveyed by: PATRICK | | Additional info: | | | |





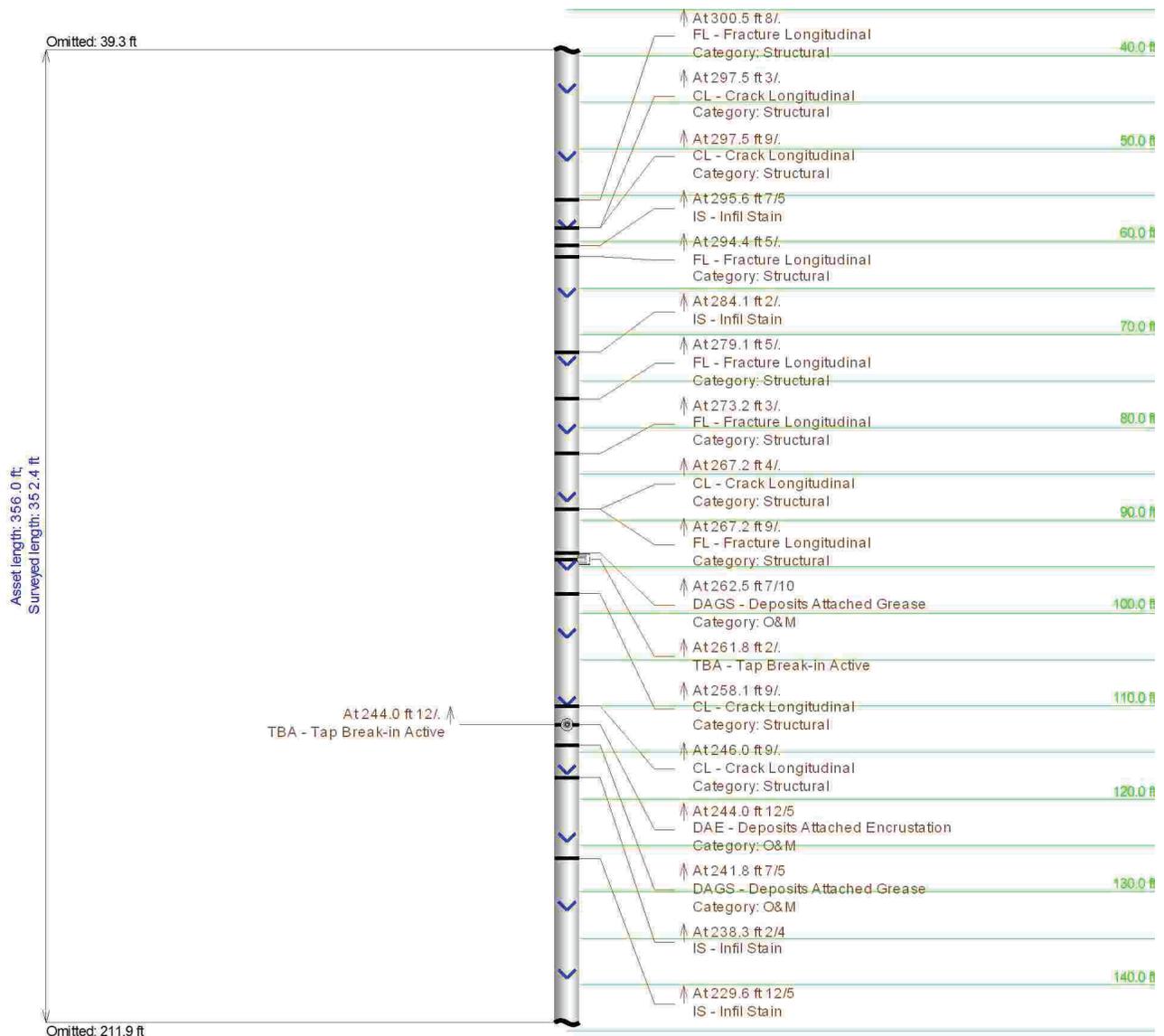
Main Inspection with Pipe-Run Graph

| | | | | | | | |
|---|----------------------------------|---|-------------------------|--------------------------------|----------------------|-------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-144-C-143 | | City: MOUNT PLEASANT | | Street: BROWN | |
| Start date/time: 10/9/2014 | Width: 10 | Height: 10 | Material: RCP | Location code: B | Weather: 1 | | |
| Direction: UPSTREAM | Length surveyed: 352.4 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |



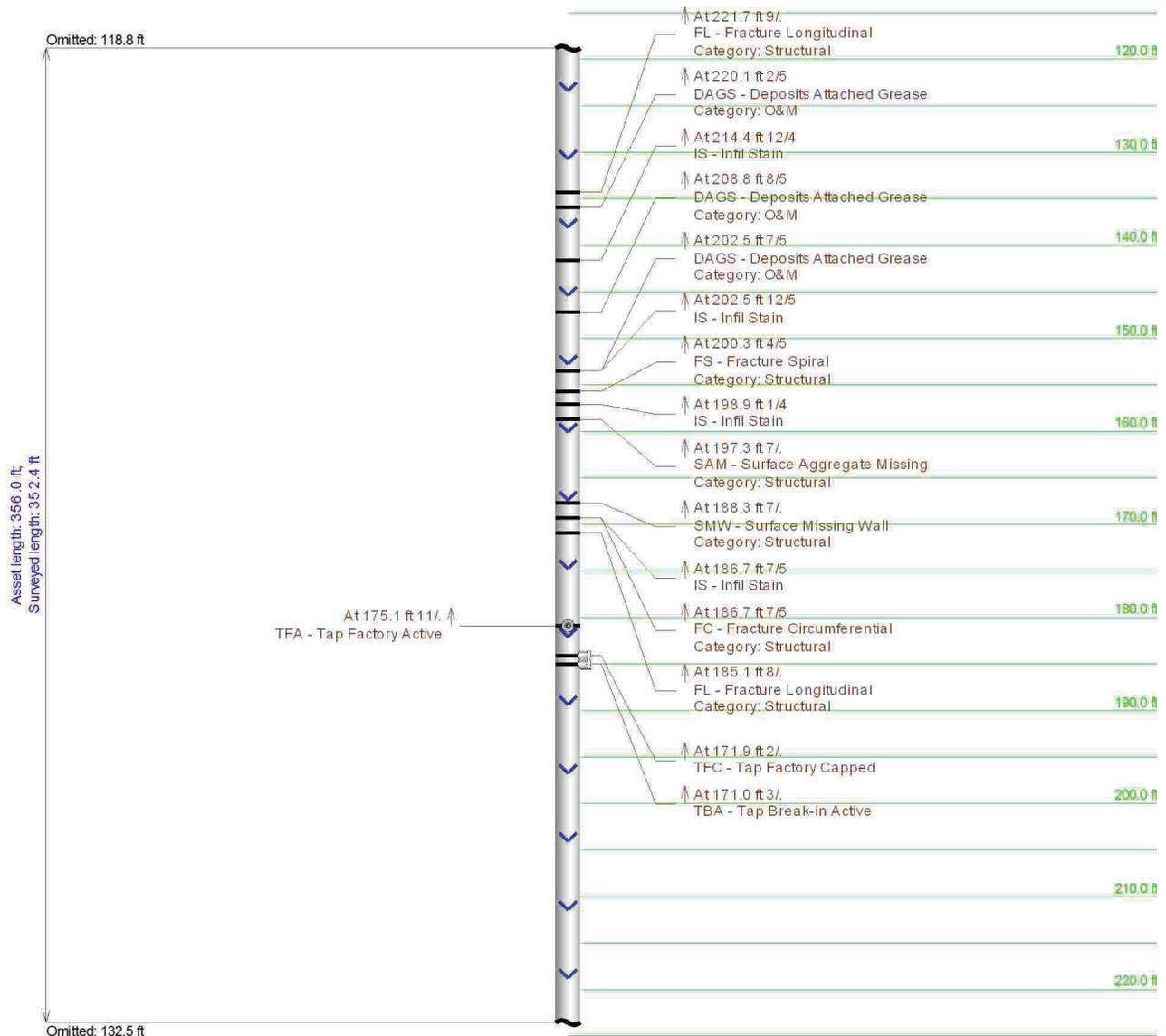


| | | | | | | | |
|---|----------------------------------|---|-------------------------|--------------------------------|----------------------|-------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-144-C-143 | | City: MOUNT PLEASANT | | Street: BROWN | |
| Start date/time: 10/9/2014 | Width: 10 | Height: 10 | Material: RCP | Location code: B | Weather: 1 | | |
| Direction: UPSTREAM | Length surveyed: 352.4 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |

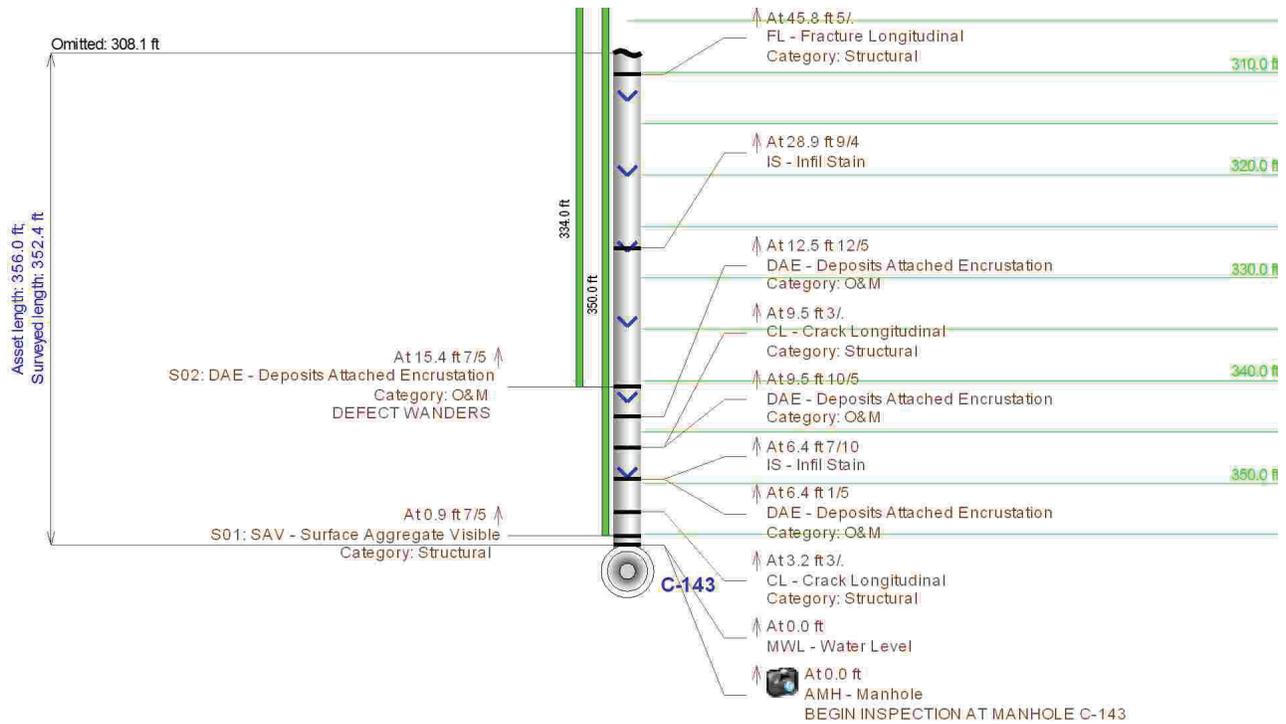




| | | | | | | | |
|---|----------------------------------|---|-------------------------|--------------------------------|----------------------|-------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-144-C-143 | | City: MOUNT PLEASANT | | Street: BROWN | |
| Start date/time: 10/9/2014 | Width: 10 | Height: 10 | Material: RCP | Location code: B | Weather: 1 | | |
| Direction: UPSTREAM | Length surveyed: 352.4 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |



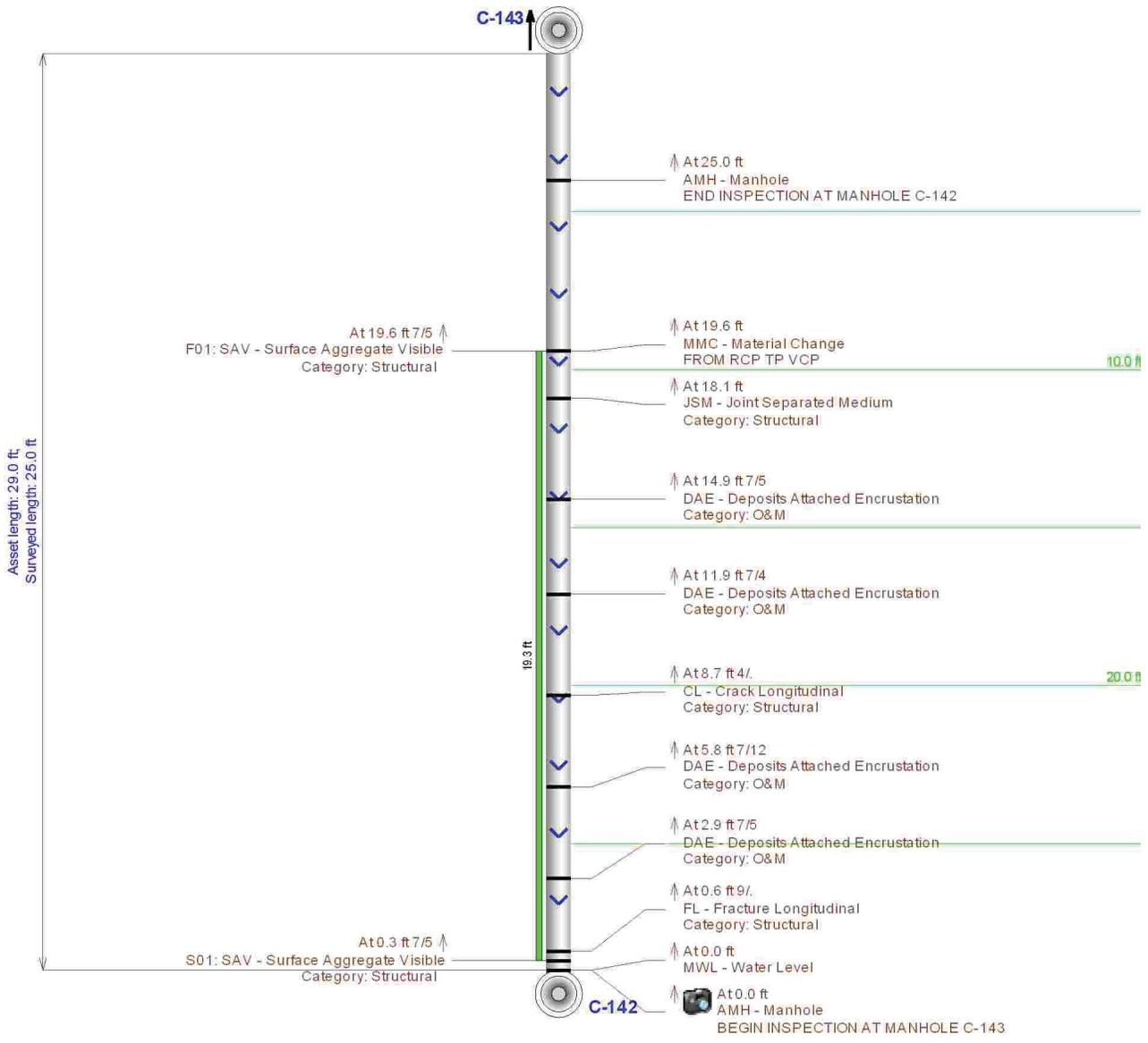
| | | | | | | | |
|---|--|---|----------------------|---------------------------------------|----------------------------|-------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-144-C-143 | | City: MOUNT PLEASANT | | Street: BROWN | |
| Start date/time: 10/9/2014 | | Width: 10 | Height: 10 | Material: RCP | Location code: B | | Weather: 1 |
| Direction: UPSTREAM | | Length surveyed: 352.4 | | Surveyed by: ALEX SCHMELING | | Additional info: | |





Main Inspection with Pipe-Run Graph

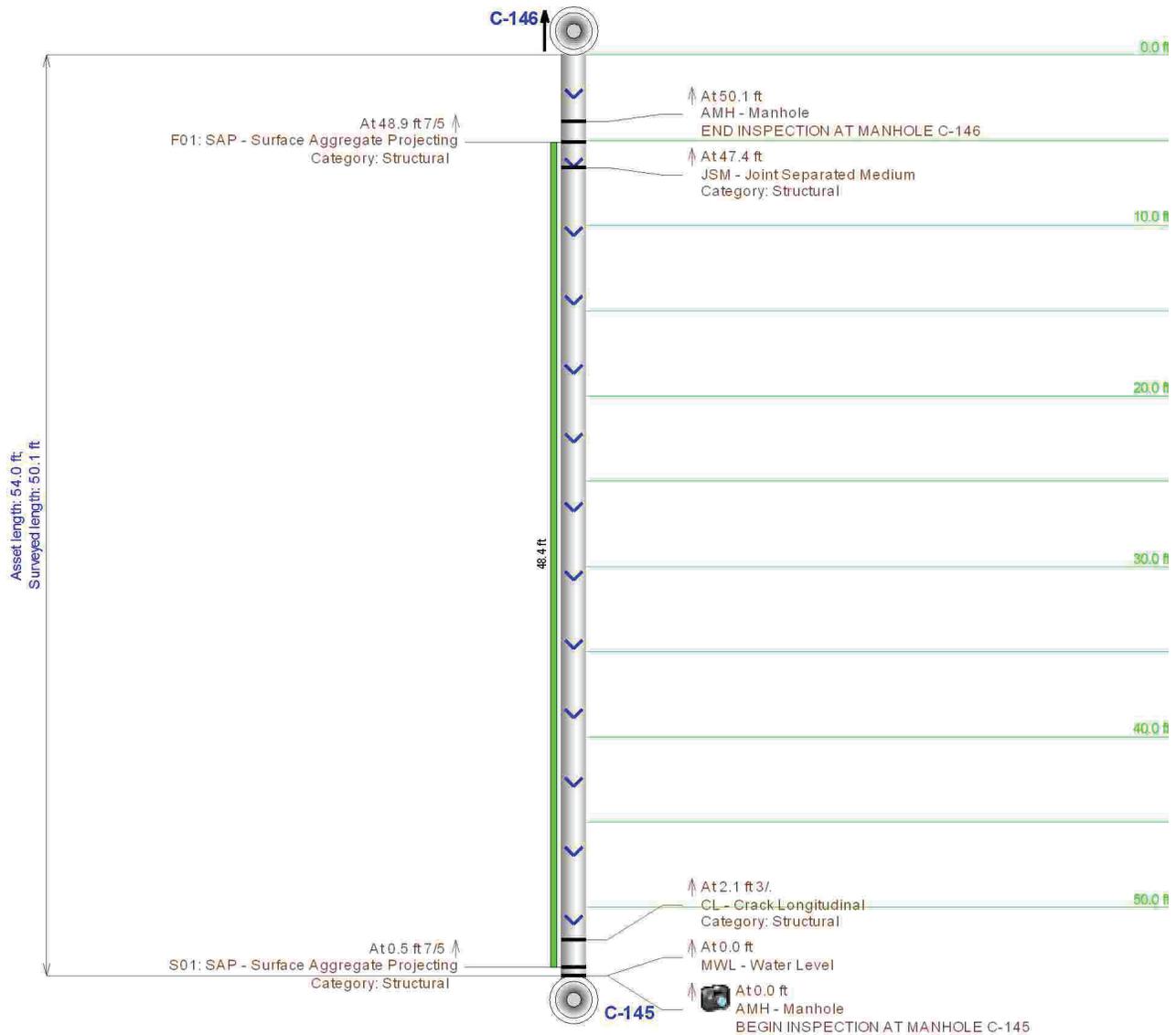
| | | | | | | | |
|---|---------------------------------|---|-------------------------|--------------------------------|----------------------|-------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-143-C-142 | | City: MOUNT PLEASANT | | Street: BROWN | |
| Start date/time: 10/9/2014 | Width: 8 | Height: 8 | Material: RCP | Location code: B | Weather: 1 | | |
| Direction: UPSTREAM | Length surveyed: 25.0 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |





Main Inspection with Pipe-Run Graph

| | | | |
|---|---|---------------------------------------|----------------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | Pipeline segment ref: C-146-C-145 | City: MOUNT PLEASANT | Street: BROWN |
| Start date/time: 10/9/2014 | Width: 8 | Height: 8 | Material: RCP |
| Direction: UPSTREAM | Length surveyed: 50.1 | Surveyed by: ALEX SCHMELING | Location code: B |
| | | | Weather: 1 |
| | | | Additional info: |



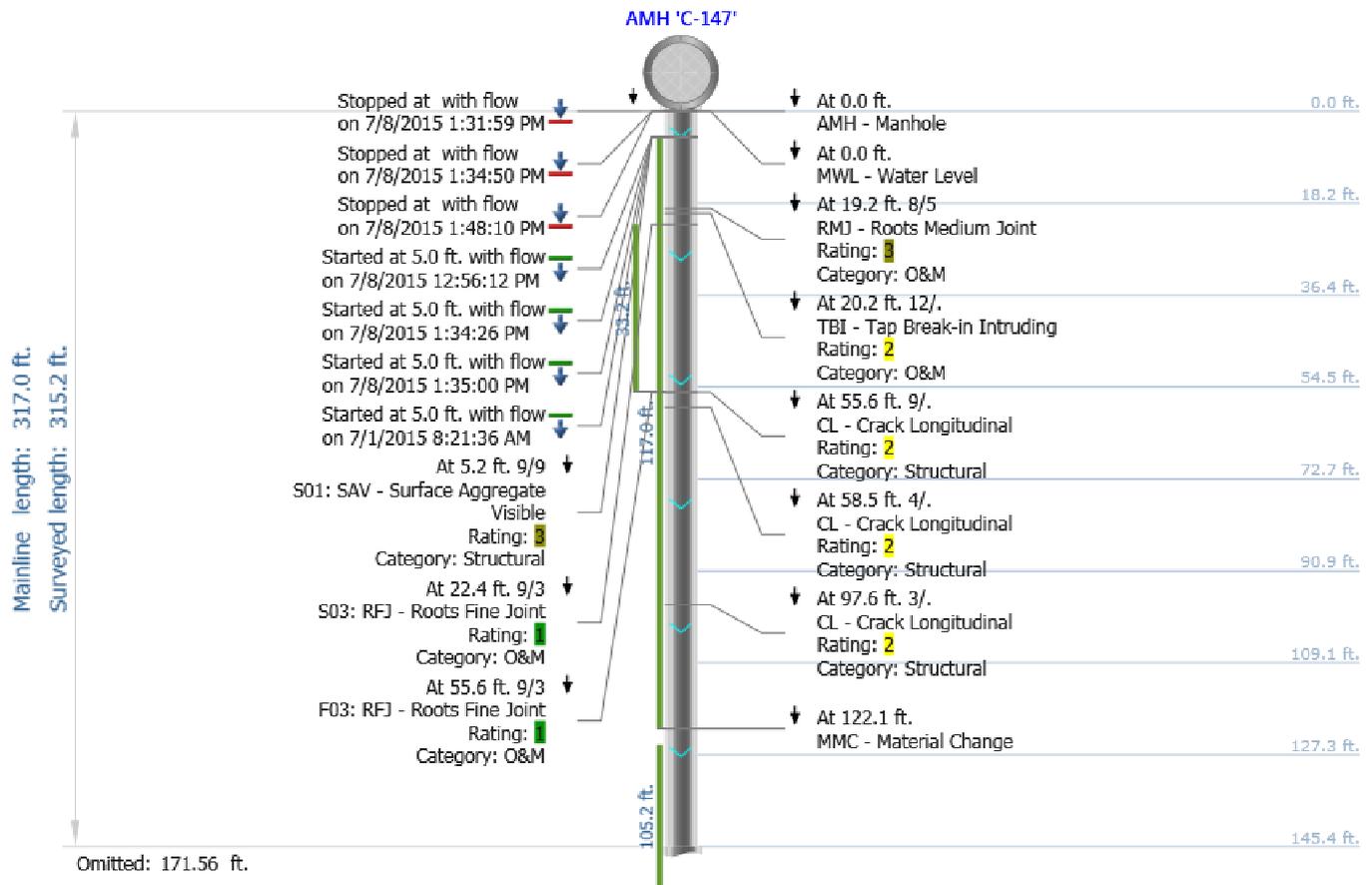
Main Inspections Pipe Run and Scoring

| | | | |
|--------------------------|-----------------------------|--------------------|----------------|
| Project name: | Mainline ID: | City: | Street: |
| PACKET-5 SANITARY | C-147 - C-146 - 8015 | MT PLEASANT | HIGH |
| Start date/time: | Direction: | Weather: | Location code: |
| 7/1/2015 8:21 AM | D | 1 | B |
| Shape: | Material: | Height: | Width: |
| C | RCP | 8 in. | |

Scores

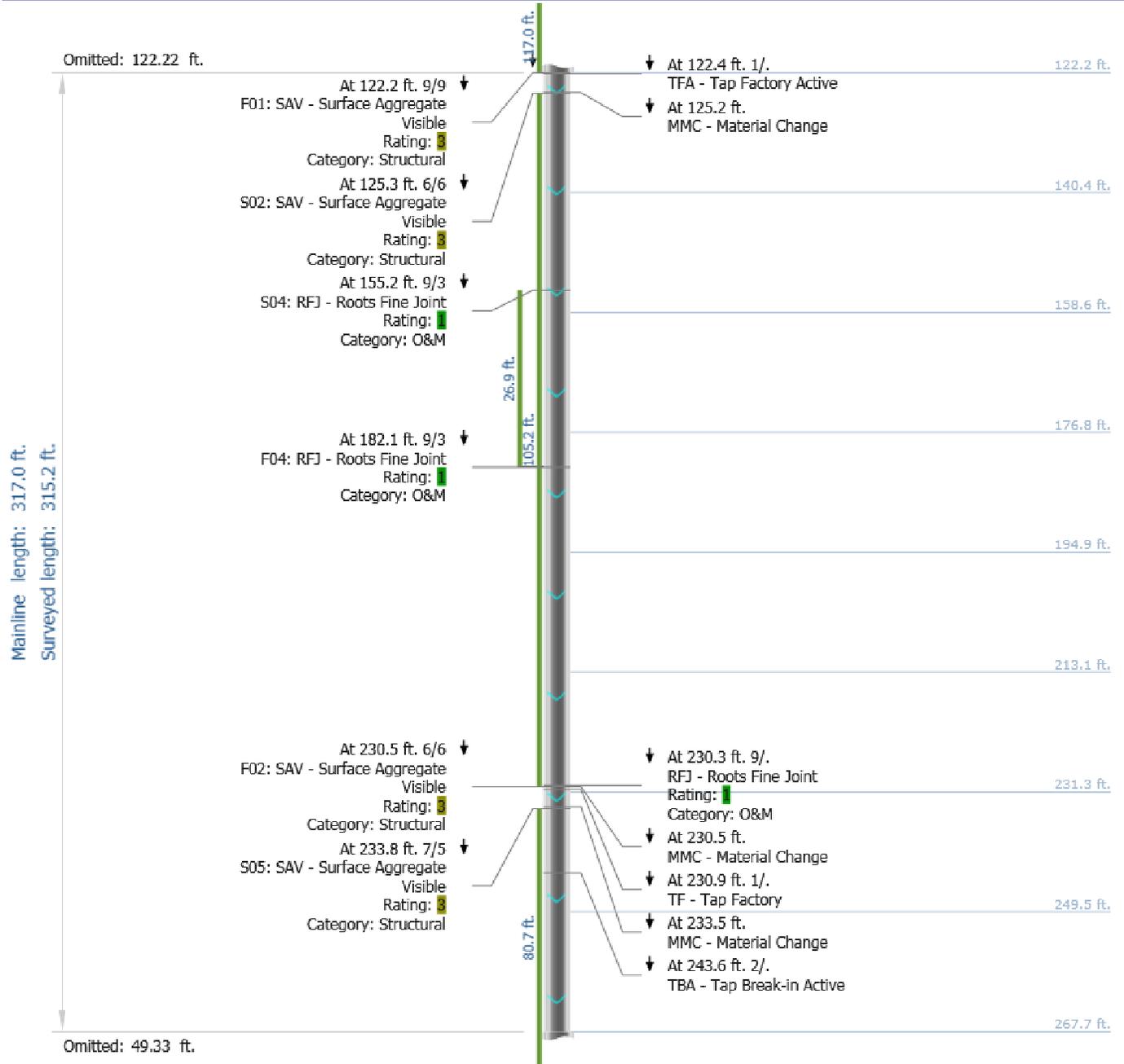
Calculated at: **7/8/2015 1:48:11 PM**

| Grade | Structural: | | | | O&M: | | | | Overall: | |
|----------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 0 | 186 | 3K23 | 2.95 | 17 | 22 | 3121 | 1.16 | 208 | 2.54 |
| 2 | 6 | | | | 2 | | | | | |
| 3 | 180 | | | | 3 | | | | | |
| 4 | 0 | | | | 0 | | | | | |
| 5 | 0 | | | | 0 | | | | | |



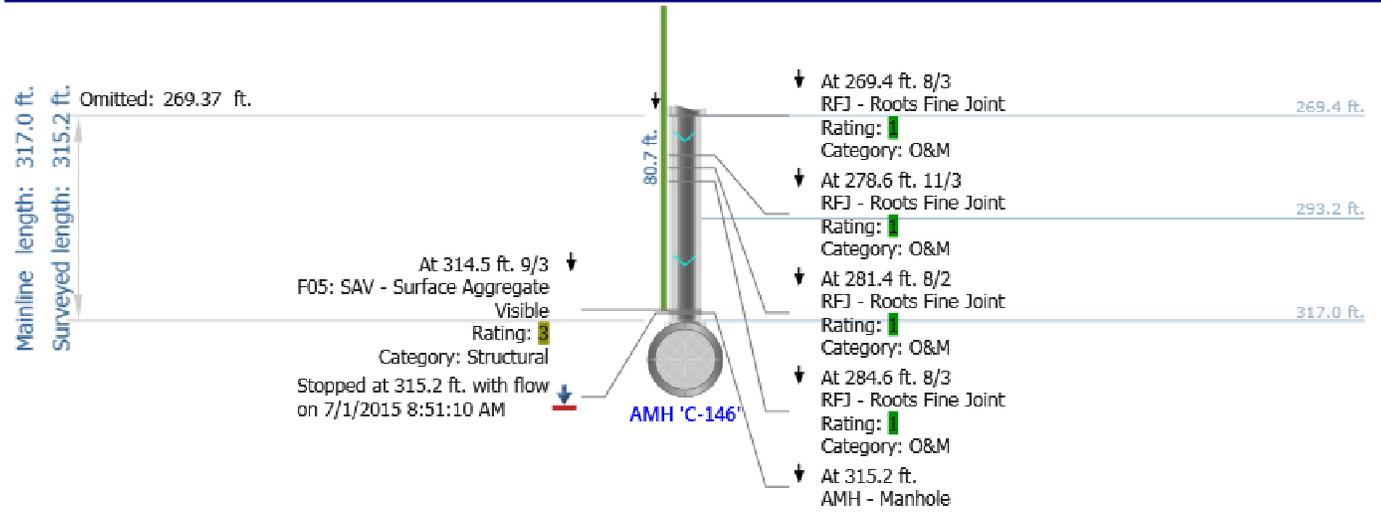
Weather:

1



Weather:

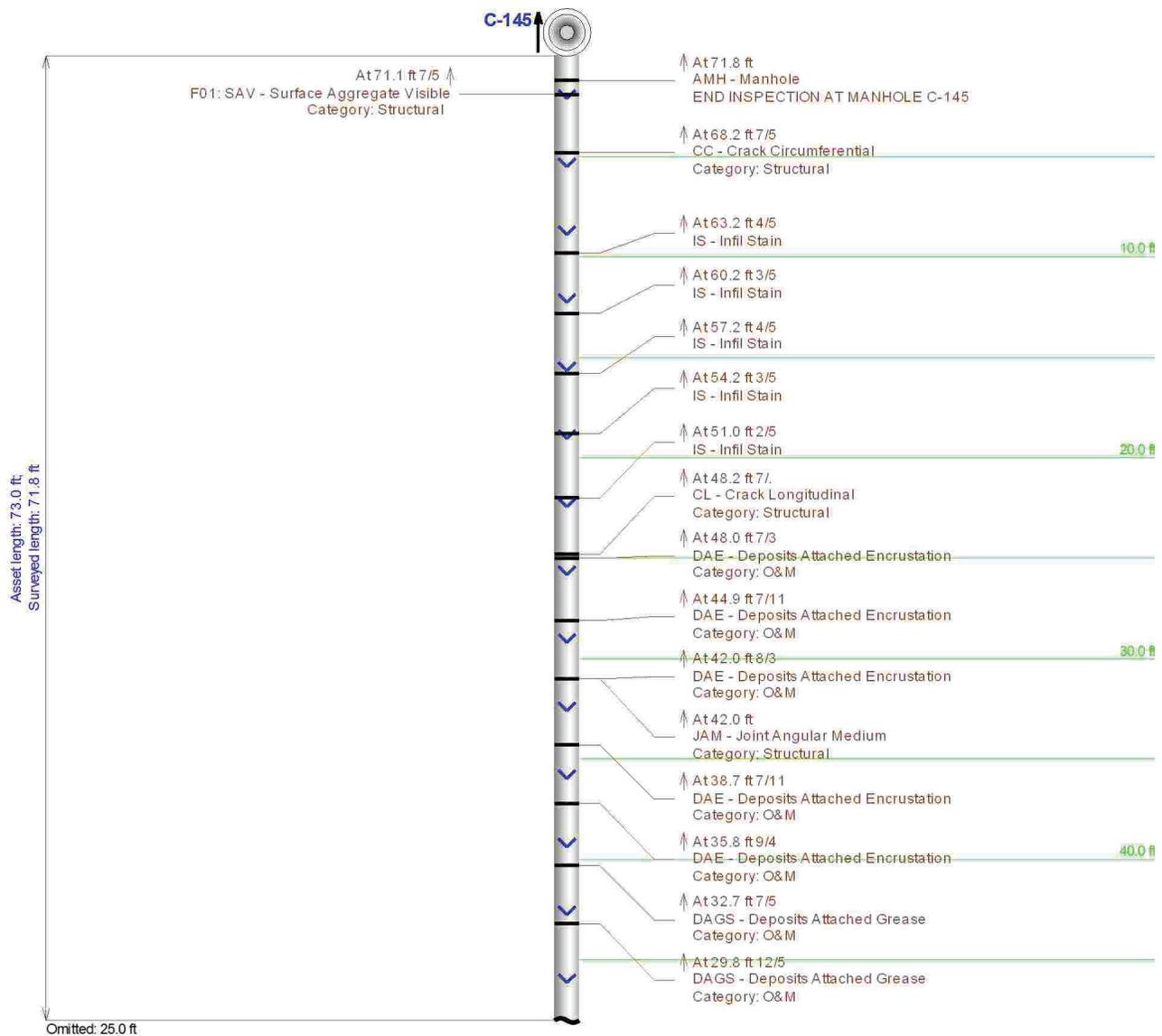
1



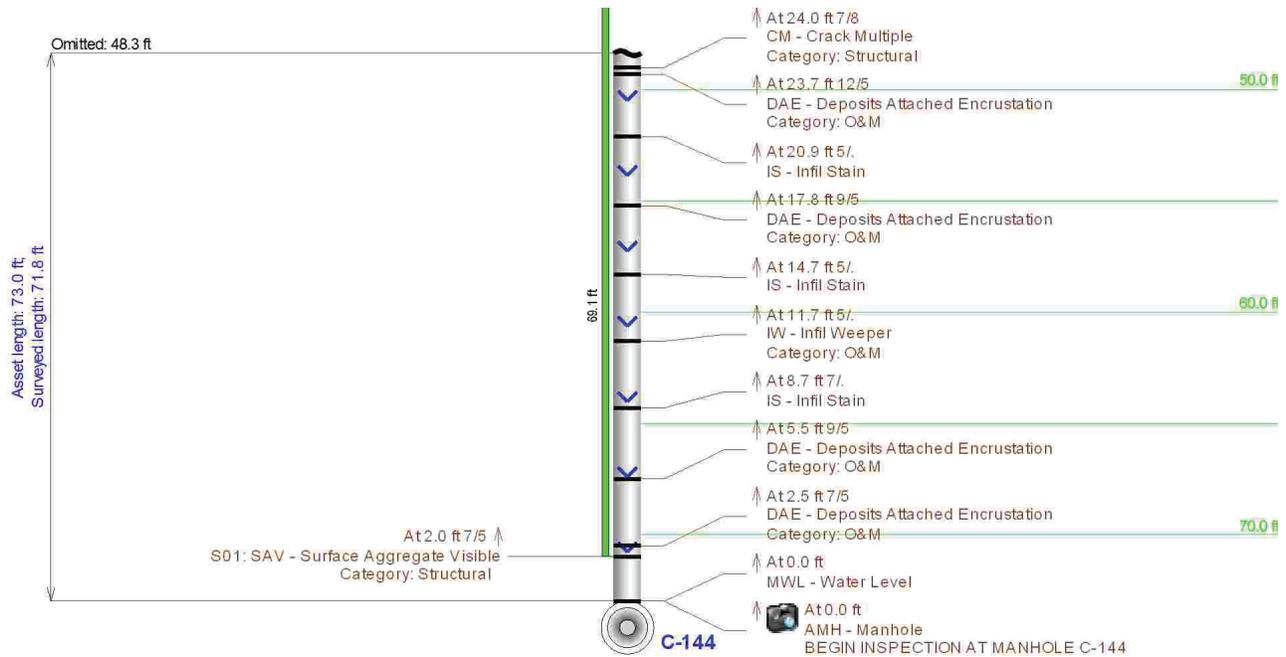


Main Inspection with Pipe-Run Graph

| | | | | | | | |
|---|---------------------------------|---|-------------------------|--------------------------------|----------------------|-------------------------|--|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-145-C-144 | | City: MOUNT PLEASANT | | Street: BROWN | |
| Start date/time: 10/9/2014 | Width: 8 | Height: 8 | Material: RCP | Location code: B | Weather: 1 | | |
| Direction: UPSTREAM | Length surveyed: 71.8 | Surveyed by: ALEX SCHMELING | | Additional info: | | | |



| | | | | | | | |
|---|--|---|---------------------|---------------------------------------|----------------------------|-------------------------|----------------------|
| Project Name: CITY OF MOUNT PLEASANT PUBLIC WORKS | | Pipeline segment ref: C-145-C-144 | | City: MOUNT PLEASANT | | Street: BROWN | |
| Start date/time: 10/9/2014 | | Width: 8 | Height: 8 | Material: RCP | Location code: B | | Weather: 1 |
| Direction: UPSTREAM | | Length surveyed: 71.8 | | Surveyed by: ALEX SCHMELING | | Additional info: | |



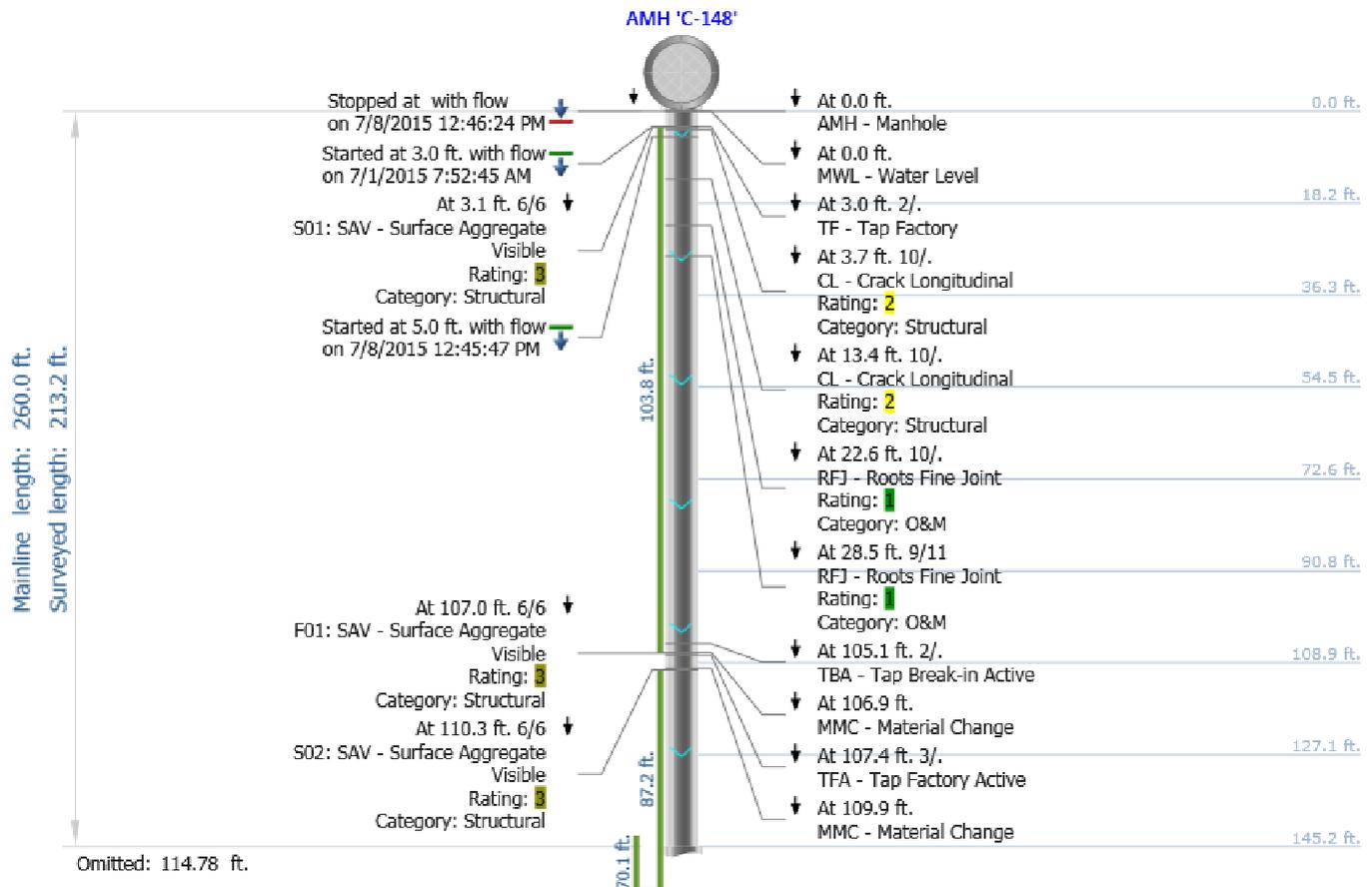
Main Inspections Pipe Run and Scoring

| | | | |
|--------------------------|-----------------------------|--------------------|----------------|
| Project name: | Mainline ID: | City: | Street: |
| PACKET-5 SANITARY | C-148 - C-147 - 6320 | MT PLEASANT | HIGH |
| Start date/time: | Direction: | Weather: | Location code: |
| 7/1/2015 7:52 AM | D | 1 | B |
| Shape: | Material: | Height: | Width: |
| C | RCP | 8 in. | |

Scores

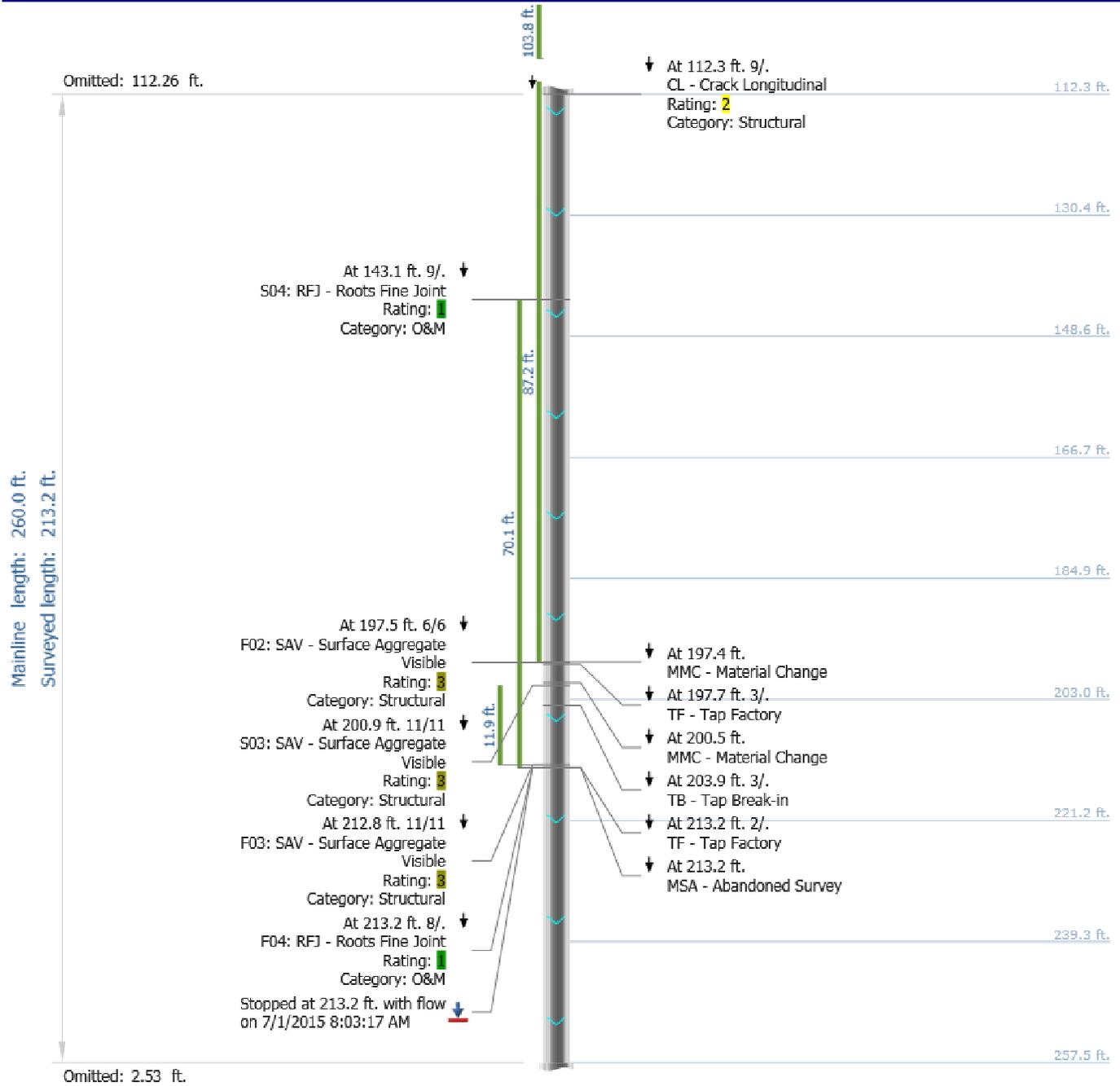
Calculated at: **7/8/2015 12:46:24 PM**

| Grade | Structural: | | | | O&M: | | | | Overall: | |
|----------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 0 | 126 | 3G23 | 2.93 | 16 | 16 | 1B00 | 1.00 | 142 | 2.41 |
| 2 | 6 | | | | 0 | | | | | |
| 3 | 120 | | | | 0 | | | | | |
| 4 | 0 | | | | 0 | | | | | |
| 5 | 0 | | | | 0 | | | | | |



Weather:

1



Project name:
PACKET-5 SANITARY

Mainline ID:
C-148 - C-147 - 6320

Start date/time:
7/1/2015 7:52 AM

Direction:
D

Weather:

1

Mainline length: 260.0 ft.
Surveyed length: 213.2 ft.

Omitted: 260 ft.



AMH 'C-147'

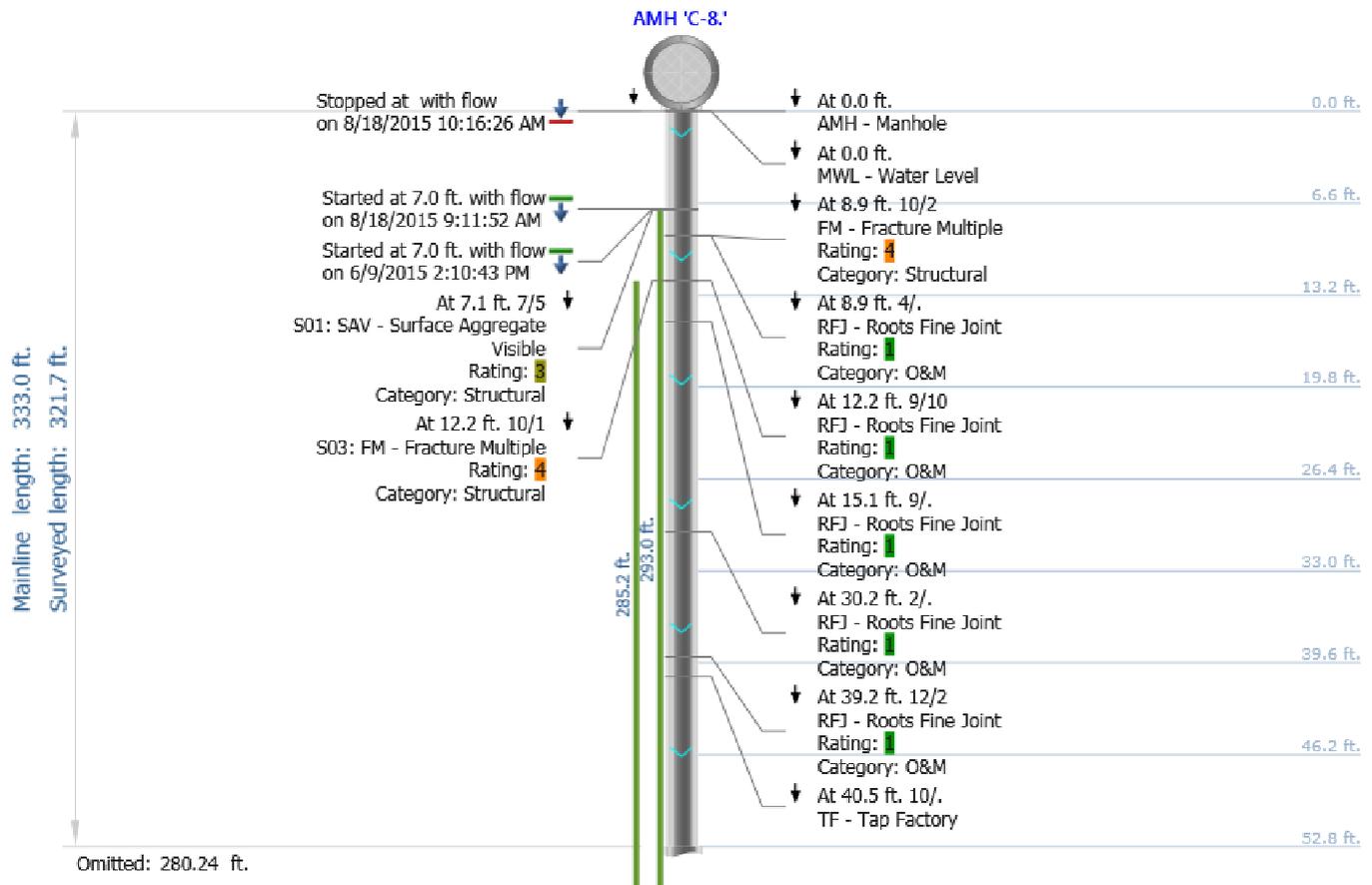
Main Inspections Pipe Run and Scoring

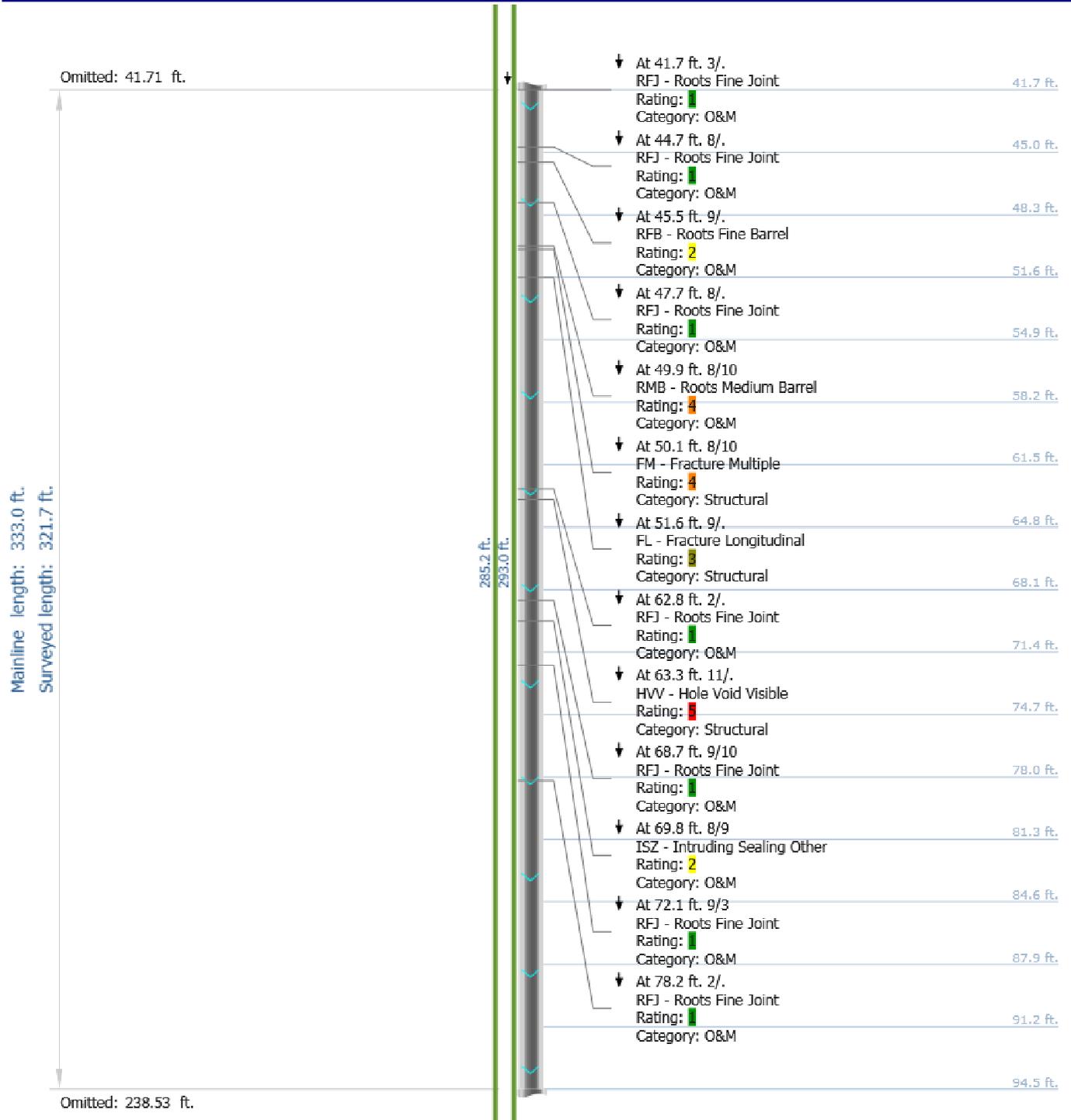
| | | | |
|--------------------------|--------------------------|--------------------|----------------|
| Project name: | Mainline ID: | City: | Street: |
| PACKET-6 SANITARY | C-8. - C-7 - 6489 | MT PLEASANT | FANCHER |
| Start date/time: | Direction: | Weather: | Location code: |
| 6/9/2015 2:10 PM | D | 1 | B |
| Shape: | Material: | Height: | Width: |
| C | VCP | 8 in. | |

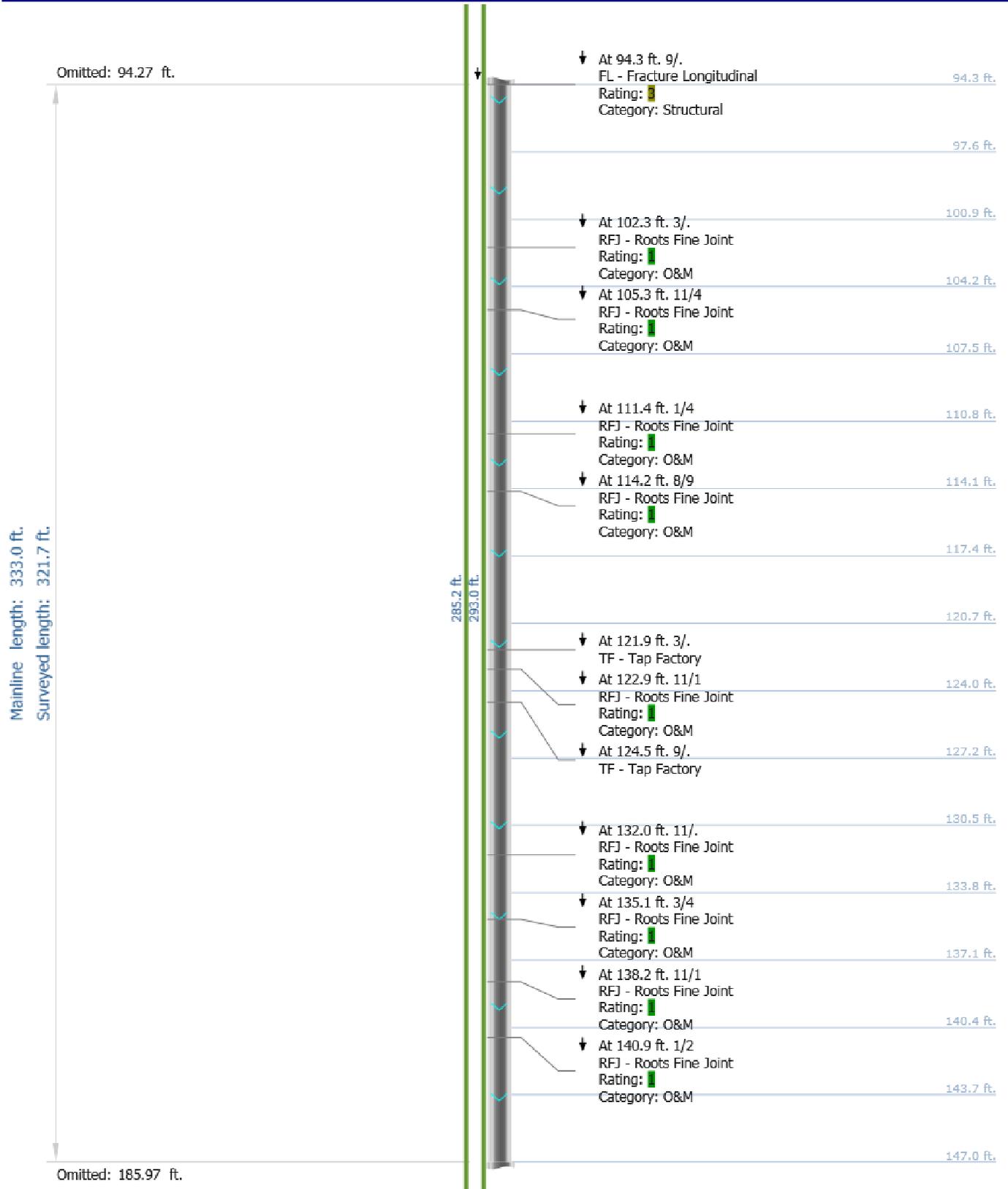
Scores

Calculated at: **8/18/2015 10:16:27 AM**

| Grade | Structural: | | | | O&M: | | | | Overall: | |
|----------|---------------|-------------|--------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
| | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1 | 0 | 457 | 524K | 3.49 | 28 | 38 | 4123 | 1.19 | 495 | 3.04 |
| 2 | 2 | | | | 6 | | | | | |
| 3 | 201 | | | | 0 | | | | | |
| 4 | 244 | | | | 4 | | | | | |
| 5 | 10 | | | | 0 | | | | | |

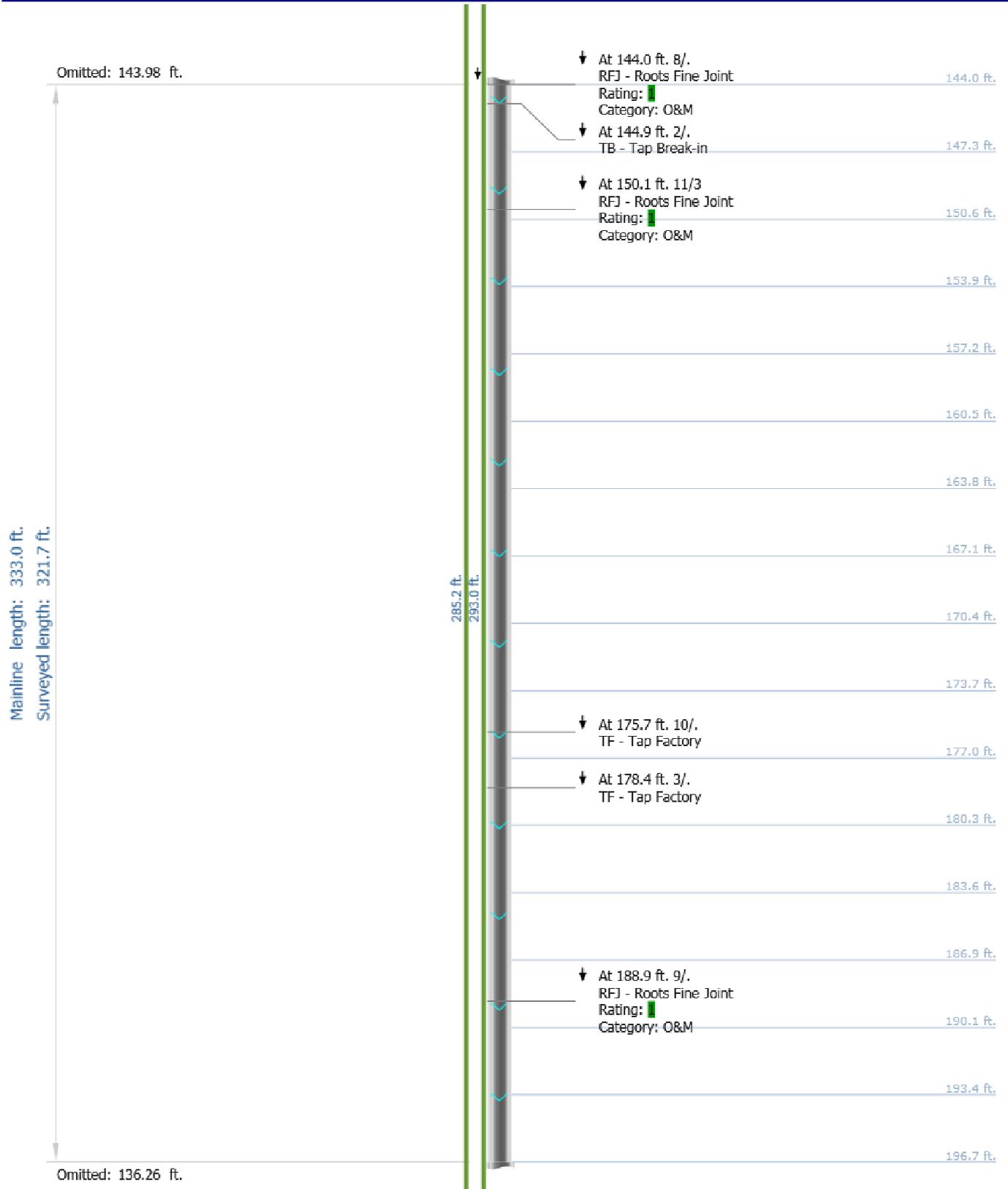






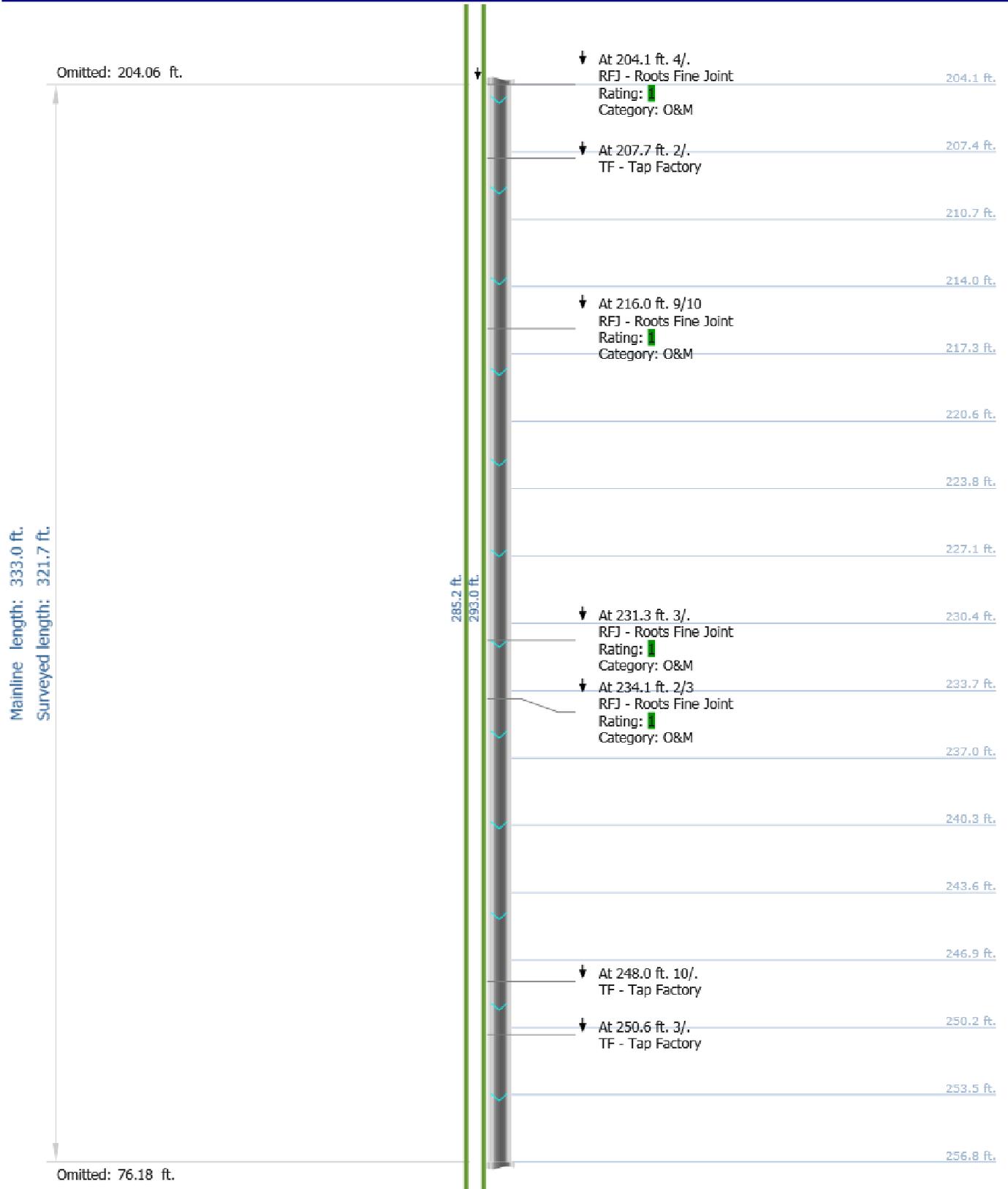
Weather:

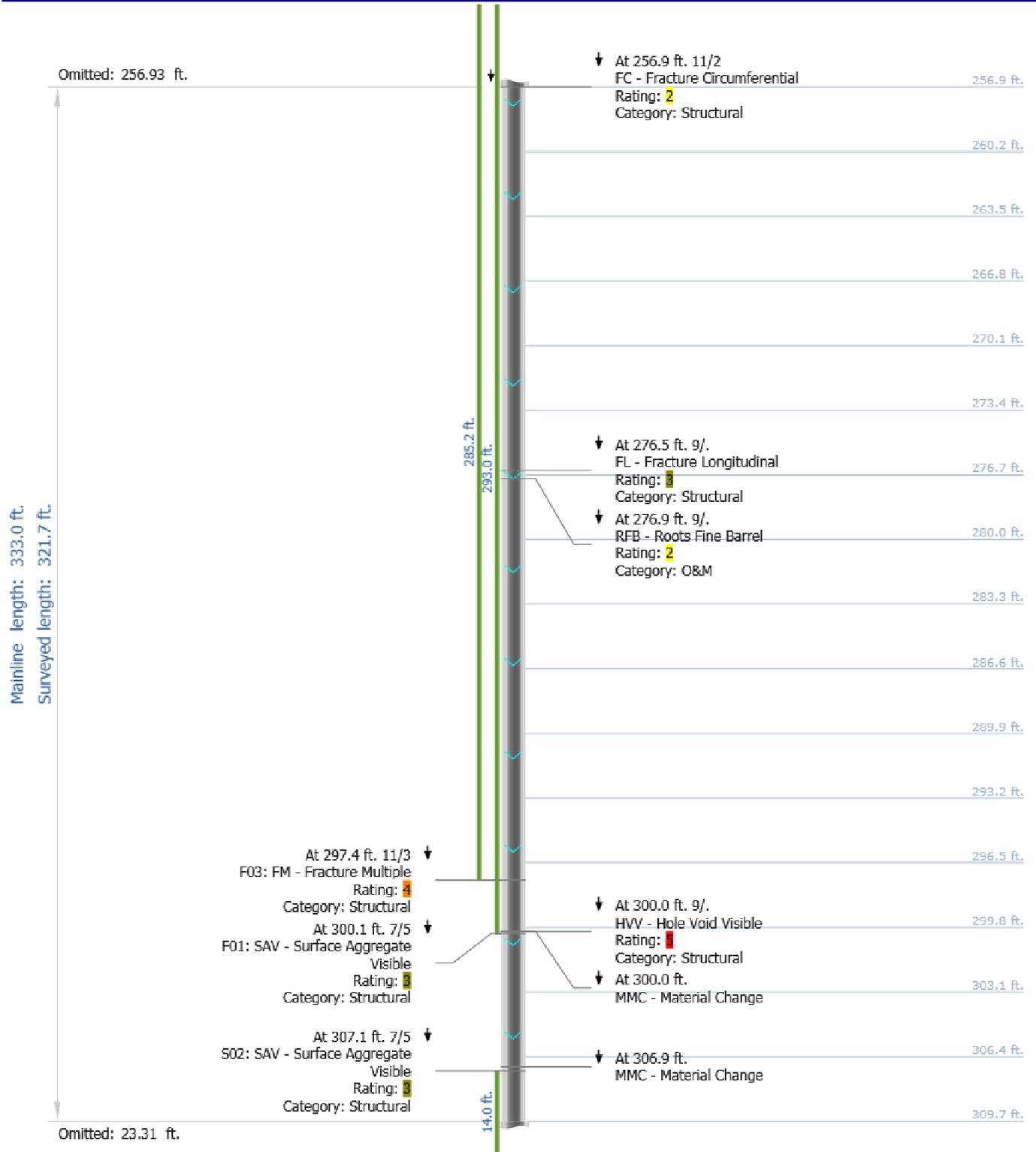
1



Weather:

1





Project name:
PACKET-6 SANITARY

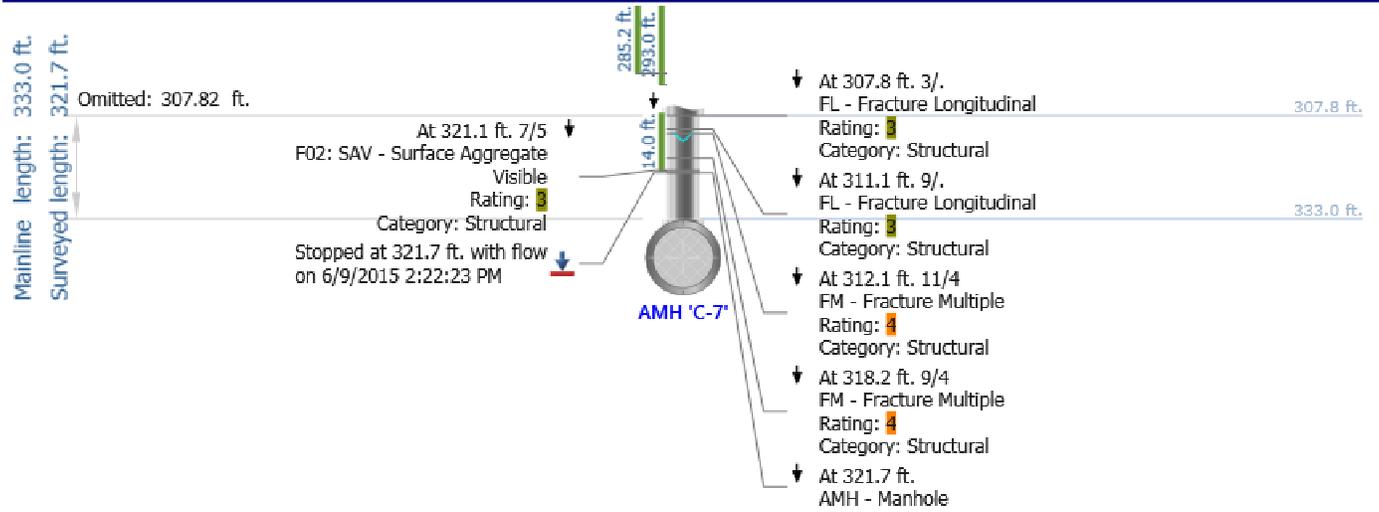
Mainline ID:
C-8. - C-7 - 6489

Start date/time:
6/9/2015 2:10 PM

Direction:
D

Weather:

1





Main Inspection with Pipe-Run Graph

| | | | | | | | |
|---|--|---|----------------------|---------------------------------------|----------------------------|-----------------------------|----------------------|
| Project Name: CITY OF MT PLEASANT PACKET 10 | | Pipeline segment ref: B-53-B-49 | | City: MT PLEASANT | | Street: FAIRFIELD | |
| Start date/time: 11/7/2014 | | Width: 10 | Height: 10 | Material: PVC | Location code: C | | Weather: 1 |
| Direction: Downstream | | Length surveyed: 150.0 | | Surveyed by: ALEX SCHMELING | | Additional info: | |

