

RECORD OF PROCEEDINGS

MINUTES OF A REGULAR MEETING OF
THE BOARD OF DIRECTORS OF THE
NORTHWEST LAKEWOOD SANITATION DISTRICT
AND THE BOARD OF DIRECTORS OF THE
WASTEWATER UTILITY ENTERPRISE
HELD
MARCH 25, 2009

A regular meeting of the Board of Directors of the Northwest Lakewood Sanitation District and the Board of Directors of the Wastewater Utility Enterprise (referred to hereafter as "Board") was convened on Wednesday, the 25th day of March, 2009, at 4:00 P.M., at the offices of the District, 141 Union Boulevard, Suite 150, Lakewood, Colorado 80228. The meeting was open to the public.

ATTENDANCE

Directors In Attendance Were:

Anthony M. Dursey, Acting President
Catherine "CiCi" Kesler
James D. "Jim" Zimmerman
Gregory A. Fabisiak

Upon motion duly made by Director Fabisiak, seconded by Director Kesler and, upon vote, unanimously carried, the absence of Michael Curran was excused and Director Dursey was appointed Acting President for the meeting.

Also In Attendance Were:

Lisa A. Johnson; Special District Management Services, Inc.

Tim Flynn, Esq.; Collins, Cockrel & Cole, P.C.

Wayne Ramey; Ramey Environmental Compliance

Bill Willis; Martin/Martin Consulting Engineers

See attached list for additional attendees

ADMINISTRATIVE MATTERS

Minutes: The Board reviewed the minutes of the February 25, 2009 regular meeting.

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Following discussion, upon motion duly made by Director Fabisiak, seconded by Director Kesler and, upon vote, unanimously carried, the minutes of the February 25, 2009 regular meeting were approved.

Facilities Renovation Fee: Ms. Johnson reported that all of the properties on 17th Avenue which were sent a bill are not actually in the District. The billing error is being addressed. The issue with the assessor showing the properties as being part of the District will also be addressed.

The press release explaining the Facilities Renovation Fee and the process the Board took to arrive at the fee will be reviewed by Attorney Flynn. The article will be submitted to the Lakewood, Wheat Ridge and Golden "Your Hub" for publication.

COMMUNITY COMMENTS

Main extension from Robb Street to Routt Street: Ms. Polinsky addressed the Board. She informed the Board that she and Ms. Blessinger will not pay the costs associated with the landscape repairs for the Webster property. Ms. Polinsky informed the Board that she and Ms. Blessinger have been notified by Mr. Webster that he has filed a suit against each of them for \$13,600.

Ms. Polinsky requested that the District provide an itemized bill for the sewer line repairs and the landscaping related to the project.

FINANCIAL MATTERS

Claims: The Board considered the approval of the payment of claims through the period ending March 25, 2009, as follows:

| | |
|-----------------|--------------------|
| General Fund | \$ 3,999.06 |
| Enterprise Fund | <u>58,641.95</u> |
| Total | <u>\$62,641.01</u> |

Following discussion, upon motion duly made by Director Kesler, seconded by Director Zimmerman and, upon vote, unanimously carried, the Board approved the payment of claims for the period ending March 25, 2009.

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Financial Statements: The Board reviewed the unaudited financial statements of the District setting forth the cash deposits, investments, and budget analysis, and accounts payable vouchers for the period ending February 28, 2009 and the schedule of cash position as of March 25, 2009.

Following discussion, upon motion duly made by Director Kesler, seconded by Director Zimmerman and, upon vote, unanimously carried, the Board accepted the unaudited financial statements for the period ending February 28, 2009.

Investments: The Board directed staff to move forward with renewing the certificate of deposit with Mile High Bank.

The Board directed the District's accounting staff to work with Director Kesler on the lockbox funds and property tax revenues to determine which investment options to use.

LEGAL MATTERS

Denver Water/Moffat Water Treatment Plant issues: Attorney Flynn reported that he is still working with Denver Water to answer their questions. He has a meeting tentatively scheduled for April 13, 2009.

Attorney's report: Inclusion of 2615 Oak Drive, Units 19-25. Attorney Flynn noted that there are seven properties and nine owners involved. Attorney Flynn reported that he has received four petitions back. He is still waiting for the other property owners to respond.

4101 Miller Street: VCUP application. Proposal for clean-up. Attorney Flynn presented the proposal from ERM. ERM has proposed two options:

Option 1-Remediation for residential use
for a total cost of \$70,110.00.

Option 2-Remidatsion for park/open space
use for a total cost of \$25,470.00.

The Board asked that Martin/Martin provide a cost estimate to demolish the plant and a cost estimate for the main line that would be constructed prior to the sale of the property.

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Attorney Flynn will contact Jefferson County and request that County staff prepare a first draft of a proposed purchase and sale agreement. The Board wants the ability to terminate the contract if the cost of remediating the soil beneath the existing buildings becomes too great.

No action was taken at this time.

Legal description of the District: Attorney Flynn reported that the Order Amending Findings and Organizational Decree of the District was entered and has been recorded.

Sewer Service Agreement: Staff met with the College Park Water and Sanitation District ("CPWSD") board of directors and presented the District's proposal. The 17.7% allocation for treatment costs is acceptable to CPWSD. However, CPWSD asked that maintenance costs (jetting, cleaning, tving) be stated as a dollar figure rather than a percentage. They want to be able to budget for the costs. They also requested that the District provide proof for the maintenance expenditures and a reconciliation of actual expenses after three years. CPWSD also wants the District to guarantee capacity of the line sections per the percentages provided in the Martin/Martin memo showing the flow to capacity of each line attributed to CPWSD. Martin/Martin will present this information at the next meeting.

Cost Recovery Agreement: Attorney Flynn has drafted a cost recovery agreement for the line extension for the Robb Street to Routt Street properties. He is circulating to the engineers and the property owners for review and comment. He will present the Agreement at the next meeting.

OPERATIONS MATTERS

Plant Manager's Report: Mr. Ramey presented the March 2009 monthly report. A copy of the report is attached hereto and incorporated herein by this reference.

Grease trap inspections. Mr. Ramey reported on the inspection status.

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2009 televising and jetting program. Mr. Ramey reported that they are working with Martin/Martin on getting access to certain properties where it is not clear whether access easements are in place.

Break-in at WWTP. Mr. Ramey reported that a police report was filed with the Wheat Ridge police department.

Engineer's report: Main extension from Robb Street to Routt Street. Mr. Willis reported that the project has been completed.

2009 Improvements. Mr. Willis presented the updated letter which includes all the recommendations for the 2009 sewer improvement projects. A copy of the letter is attached hereto and incorporated herein by this reference.

The Board directed the engineer to proceed with the bidding process for the manhole, point repair, full lining and sewer main remove/replace projects, as recommended, for an amount not to exceed \$375,500.

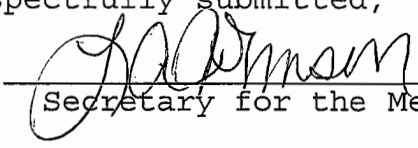
The Board will consider the Alternate Sanitary Sewer Main Remove/Replace recommendations at future meetings.

ADJOURNMENT

There being no further business to come before the Board at this time, upon motion duly made and seconded and, upon vote, unanimously carried, the meeting was adjourned.

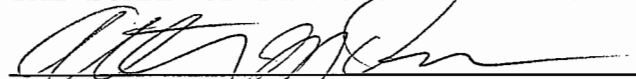
Respectfully submitted,

By

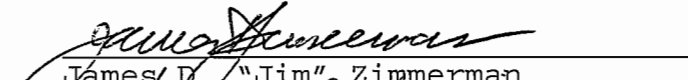

Secretary for the Meeting


RECORD OF PROCEEDINGS

THESE MINUTES APPROVED AS THE OFFICIAL MARCH 25, 2009
MINUTES OF THE NORTHWEST LAKEWOOD SANITATION DISTRICT BY
THE BOARD OF DIRECTORS SIGNING BELOW:


Anthony M. Dursey


Catherine C. Kesler


James D. "Jim" Zimmerman


Gregory A. Fabisiak

NORTHWEST LAKEWOOD SANITATION DISTRICT

March 25, 2009

Please ***print*** your name, address and phone number and the issue(s) you are interested in addressing at this meeting.

| NAME | ADDRESS | TELEPHONE/EMAIL | ISSUE(S) TO BE ADDRESSED |
|--------------------|----------------|-----------------|--------------------------|
| Christine Polinsky | 242 Dora St | 37941.2999 | Sewer Line |
| Carol Blessinger | 2136 Rowett St | 3/234-0330 | P.U.A |
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Northwest Lakewood Sanitation District Monthly Report

March 2009

Plant Activities:

- Feb 16th
Mon.** Completed 3 locates and entered UNCC data into database.
- Feb 17th
Tues.** Completed 4 locates and entered UNCC data into database. Videoed 8 lines in section 16, for a total of 2,134.9 feet.
- Feb 18th
Wed.** Completed 2 locates and entered UNCC data into database. Videoed 6 lines in section 16, and 20, for a total of 1,822.7 feet. Dave Gillaspie from Martin and Martin came to Plant with an upgrade of the NWLSD pipe program, data from November 2008 to current can now be entered to the data base.
- Feb 19th
Thurs.** Completed 3 locates and entered UNCC data into data base. Videoed 2 lines in section 16 and 10 for a total of 545.4 feet. Enter video data into NWLSD pipe program. Call from SDM, packet and posting ready for pickup. Post meeting at Gold's Market.
- Feb 20th
Fri.** Completed 2 locates and entered UNCC data into database. Meet with Patrick Roberts with Martin and Martin to go over main sewer lines from Collage Park through NWLSD District. Enter some on hold data into NWLSD pipe program.
- Feb 21st
Sat.** John—Received a page from UNCC for an emergency locate for Consolidated Mutual Water to repair a water main break at 10535 West 32nd Ave. Met crew on site and painted mains, all clear.
- Feb 22nd
Sun.** Videoed 1 line in section 16 for a total of 193 feet.
- Feb 23rd
Mon.** Completed 1 locate and entered UNCC data into database. Enter more on hold data into NWLSD pipe program.
- Feb 24th
Tues.** Completed 2 locates and entered UNCC data into database.

**Feb 25th
Wed.** Jetted 16 lines in sections 5 and 16 for a total of 3,454 feet. Enter jet data into NWLSD pipe program.

**Feb 26th
Thurs.** Completed 1 locate and entered UNCC data into data base.

**Feb 27th
Fri.** Completed 1 locate and entered UNCC data into database. Received a call from Kendra with SDM asking for verification of 4 addresses to see if they are on District sewer or not:

| | |
|-------------------|-----------------|
| 2635 Youngfield | no lateral card |
| 11125 Linda Vista | no lateral card |
| 3234 Taft Ct. | 1982 tap |
| 2540 Kipling | 1966 tap |

Performed 6 grease trap inspections:

| | |
|----------------------|------|
| Paramont Lanes | Pass |
| NY Pizza | Pass |
| Crown Hill Tap House | Pass |
| Papa John's | Pass |
| Pizza Hut | Pass |
| Smash Burger | Pass |

**March 1st
Sun.** Videoed 17 lines in section 5 for a total of 2,426.9 feet.

**March 2nd
Mon.** Completed 1 locate and entered UNCC data into data base. Videoed 12 lines in section 5, 10, and 20 for a total of 1,219.4 feet. Enter video data into NWLSD pipe program.

**March 3rd
Tues.** Received a call from SDM for a possible sewer backup at 2580 Miller Street, went on site and checked up and down stream manholes, all flows normal. Talked to home owner, this property has a very long lateral and home owners remember work done in November of 2008 on the easement main where they connect. Bert will follow up with Martin and Martin to see if any problems were encountered during C&L backhoe repairs. Bert placed a call to Martin and Martin, Patrick Roberts remembered this address and will follow up with home owner on problems. It turned out that the problem was in the lateral of the home owner. Videoed 9 lines in section 19 for a total of 2,430.5 feet. Enter video data into NWLSD pipe program.

**March 4th
Wed.** Completed 2 locates and entered UNCC data into data base. Videoed 10 lines in sections 16 and 19, for a total of 2,128.9 feet. Enter video data into NWLSD pipe program.

**March 5th
Thurs.** Completed 1 locate and entered UNCC data into data base. Videoed 13 lines in sections 11 and 12 for a total of 3,285.2 feet. Jet 11 lines in section 11 and 12 for a total of 2,796 feet. Enter video and jet data into NWLSD pipe program. Received a call from SDM asking to verify address on sewer service:

| | |
|--------------------------------|----------------------------------|
| 10900 W. 26 th Ave. | no lateral card-leach and septic |
|--------------------------------|----------------------------------|

**March 6th
Fri.** Completed 5 locates and entered UNCC data into database. Videoed 11 lines in section 11, 13, and 21 for a total of 2,001.3 feet. Enter video data into NWLSD pipe program. Received an E-mail from Will Raatz for a lateral map for 2755 Taft Court, copied map and dropped off at M&M.

- March 7th Sat.** Videod 6 lines in section 17 for a total of 1,368.3 feet.
- March 9th Mon.** Completed 1 locate and entered UNCC data into database. Videod 12 lines in section 23, for a total of 2,637.6 feet. Enter video data into NWLSD pipe program. Received a call from SDM about lateral map for 1070 Zinnia, copied map and home owner will come by plant to pick up.
- March 10th Tues.** Completed 3 locates and entered UNCC data into database. Received a call from SDM for verification of tap for 1020 Zinnia, look up, and card file states there is a stub out to property and full tap fees will be paid when house is build, take lateral card to SDM so they have record. Videod 19 lines in sections 21, 22, and 23 for a total of 4,190.7 feet. Enter video data into NWLSD pipe program.
- March 11th Wed.** Videod 12 lines in sections 18, 19, and 21 for a total of 3,101.5 feet. Enter video data into NWLSD pipe program.
- March 12th Thurs.** Completed 4 locates and entered UNCC data into database. Videod 3 lines in sections 2 and 17, for a total of 552 feet. Jet 3 lines in sections 2, 7, and 13 for a total of 803 feet. Enter video and jet data into NWLSD pipe program.
- March 13th Fri.** Completed 2 locates and entered UNCC data into data base. Videod 7 lines in sections 2 and 7, for a total of 1,074 ft. Delivered tap report to 3135 Ward Ct. for homeowner.

| Collection System Televising | | | | |
|-------------------------------------|----------------|-------------------|----------------|--|
| Date | Section | # of Lines | Footage | |
| 2/17/09 | 16 | 8 | 2134.9 | |
| 2/18/09 | 16, 20 | 6 | 1822.7 | |
| 2/19/09 | 10, 16 | 2 | 545.4 | |
| 2/22/09 | 16 | 1 | 193 | |
| 3/1/09 | 5 | 17 | 2426.9 | |
| 3/2/09 | 5, 10, 20 | 12 | 1219.4 | |
| 3/3/09 | 19 | 9 | 2430.5 | |
| 3/4/09 | 16, 19 | 10 | 2128.9 | |
| 3/5/09 | 11, 12 | 13 | 3285.2 | |
| 3/6/09 | 11, 13, 21 | 11 | 2001.3 | |
| 3/7/09 | 17 | 6 | 1368.3 | |
| 3/9/09 | 23 | 12 | 2637.6 | |
| 3/10/09 | 21, 22, 23 | 19 | 4190.7 | |
| 3/11/09 | 18, 19, 21 | 12 | 3101.5 | |
| 3/12/09 | 2, 17 | 3 | 552 | |
| 3/13/09 | 2, 7 | 7 | 1074 | |
| | | Total | 31,113 | |
| Jetting | | | | |
| Date | Section | # of Lines | Footage | |
| 2/25/09 | 5, 16 | 5 | 3454 | |
| 3/5/09 | 11, 12 | 11 | 2796 | |
| 3/12/09 | 2, 17 | 3 | 803 | |
| | | Total | 7053 | |

| | Projected ft. - 2009 | YTD actual ft. - 2009 | Current 2009 ft. | %YTD - 2009 |
|---------------------------------|-------------------------|--------------------------|------------------|-------------|
| Cleaning & Hot Spots | 124,817 | 7053 | 7053 | 5.65% |
| 14" less | | | | |
| 15" more | | | | |
| Root Cutting | 83,245 | 14153 | 0 | 17.00% |
| 14" less | | | | |
| 15" more | | | | |
| Televising | 64,380 | 45,498 | 31,113 | 70.67% |
| | | | | |
| Total | | | | |

| | | |
|--------------------------------------|---|---------|
| 2540 Kipling St. | 3 | 2/16/09 |
| 7 Skyline Dr. | 2 | 2/16/09 |
| 3140 Xenon St. | 2 | 2/16/09 |
| 13630 Braun Dr. | 2 | 2/17/09 |
| 3085 Alkire St. | 3 | 2/17/09 |
| 1750 Swadley St. | 2 | 2/17/09 |
| 2315 Nelson St. | 2 | 2/17/09 |
| 13081 W. 20 th Ave. | 1 | 2/18/09 |
| 2075 Simms St. | 2 | 2/18/09 |
| 10895 W. 31 st Pl. | 2 | 2/19/09 |
| 12599 W. 27 th Ave. | 3 | 2/19/09 |
| 11295 Benthaven Dr. | 2 | 2/19/09 |
| 13200 Braun Rd. | 2 | 2/20/09 |
| 10902 W. 30 th Pl. | 2 | 2/20/09 |
| 12070 W. 18 th Dr. | 2 | 2/23/09 |
| 2580 Simms St. | 3 | 2/24/09 |
| 1520 View Point Rd. | 2 | 2/24/09 |
| 13043 W. 20 th Ave. | 1 | 2/26/09 |
| 10869 W. 30 th Ave. | 2 | 2/27/09 |
| 11398 W. 18 th Ave. | 3 | 3/2/09 |
| 10215 W. 25 th Ave. | 3 | 3/4/09 |
| 16 Rangeview Dr. | 2 | 3/4/09 |
| 12311 W. 16 th Dr. | 2 | 3/5/09 |
| 10 Morningside Dr. | 2 | 3/6/09 |
| 12 Morningside Dr. | 2 | 3/6/09 |
| 2492 Coors Dr. | 2 | 3/6/09 |
| 3240 Youngfield St. | 2 | 3/6/09 |
| W. 33 rd Ave. & Quail St. | 2 | 3/6/09 |
| 2115 Urban Dr. | 1 | 3/9/09 |
| 12 Morningside Dr. | 2 | 3/10/09 |
| 1847 Quail St. | 2 | 3/10/09 |
| 12 Morningside Dr. | 1 | 3/10/09 |
| 2525 Youngfield St. | 1 | 3/12/09 |
| 1810 Willow Way | 3 | 3/12/09 |
| 2525 Youngfield St. | 3 | 3/12/09 |
| 12466 W. 16 th Pl. | 2 | 3/12/09 |
| 10992 W. 30 th Pl. | 2 | 3/13/09 |
| 2378 Van Gordon St. | 2 | 3/13/09 |



March 24, 2009
Board of Directors
Northwest Lakewood Sanitation District

Dear Board Members:

Martin/Martin and Ramey Environmental Compliance have evaluated defective areas within the District's sanitary sewer collection system as candidates for the NWLSD 2009 Improvements. The prioritization of the improvements is based recommendations from District Staff and on televising inspections.

The 2009 Improvement candidates have both a description of the proposed areas recommended and an opinion of estimated cost for repair/replacement. Repair/replacement projects have been outlined in separate categories including Sanitary Sewer Remove and Replace, Sanitary Sewer Point Repairs and Sanitary Sewer Manhole Repairs.

Priorities have been established for each category based on pipe age, material, known maintenance issues and existing physical attributes. As projects are completed, Martin/Martin recommends this report be updated on an annual basis to maintain the District's ability to proactively track their long-term plans.

The recommended repairs may be modified as televising of the District continues.

Sanitary Sewer - NWLSD 2009 Improvements:

Sanitary Sewer Manholes 2009:

- | | |
|--|---------|
| 1. JB-17A-1, Alkire Street Infiltration into Manhole Eliminate Infiltration <u>Estimated Cost: ~\$2,500</u> | Area 3 |
| 2. GE-3, Miller Court -W. 23 rd Place Invert problems Repair inverts <u>Estimated Cost: ~\$2,500</u> | Area 13 |
| 3. G-19, 20 th Avenue Invert problems Repair inverts <u>Estimated Cost: ~\$2,500</u> | Area 13 |

2009 MANHOLE SUBTOTAL: \$7,500

| <u>Point Repairs –2009</u> | <u>Type</u> | |
|---|-----------------|---------|
| 4. P-10-1 to P-11-1, W. 15 th Drive (24" line) Longitudinal crack, infiltration Point Repair: 180-185LF (0 services) <u>Estimated Cost: ~\$2,500</u> | CIPP | Area 1 |
| 5. B-83A to B-82A, Yank Street Sag, Circumferential Fracture Point Repair: 407-417LF (0 services) <u>Estimated Cost: ~\$5,000</u> | Excavation | Area 2 |
| 6. JB-17A to JB-17A-1, Alkire Street Infiltration, Cracks Point Repair: 102-160LF(0 services – 1 @ 101LF) <u>Estimated Cost: ~\$10,000</u> | CIPP | Area 3 |
| 7. BH-1-9-3(D) to BH-1-9-2(D), W. 16 th Place Exfiltration, Drop MH replacement Point Repair: 125-130LF <u>Estimated Cost: ~\$6,000</u> | Excavation | Area 7 |
| 8. B-37 to B-36, Willow Ln. Esmt. Multiple cracks, longitudinal crack Point Repair: 32-44LF, 60-65LF(0 services) <u>Estimated Cost: ~\$6,000</u> | CIPP | Area 10 |
| 9. B-26-2-1A to B-26-2-1, Youngfield Street Multiple cracks, Sag Point Repair: 135-140LF, 180-188LF, 256-264LF(0 services, 1 @ 134LF) <u>Estimated Cost: ~\$11,000</u> | CIPP/Excavation | Area 10 |
| 10. B-11R-7A-4D to B-11R-7A-4C, W.27 th Drive Sever Offset, Drop MH pipe replacement Point Repair: 50-55 LF (0 services) <u>Estimated Cost: ~\$6,000</u> | Excavation | Area 11 |
| 11. C-6-3-1 to C-6-3-2, W. 26 th Place Gasket exposed, infiltration, offset Point Repair: 240LF-245LF(0 service, 1 service @ 239LF) <u>Estimated Cost: ~\$5,000</u> | Excavation | Area 12 |
| 12. C-9-2 to C-9-1, Queen St, S of 26 th Ave Crack, piece starting to fail Point Repair: 140-150LF(0 services) <u>Estimated Cost: ~\$4,000</u> | CIPP/Excavation | Area 12 |
| 13. C-6B to C-6, Quail Street Hole in pipe, Multiple Cracks Point Repair: 130-135LF, 165-170LF(0 services) <u>Estimated Cost: ~\$4,000</u> | CIPP | Area 12 |

| | | |
|--|-----------------|---------|
| 14. C-8A-1 to C-8A, Quail Street Infiltration Point Repair: 85-90LF, 265-280LF (1 service) <u>Estimated Cost: ~\$6,000</u> | CIPP | Area 12 |
| 15. G-1 to A-61-1, 25 th Avenue Pipe Broken – Fiber Optics Point Repair: 0-5 LF (0 service) <u>Estimated Cost: ~\$2,500</u> | CIPP | Area 13 |
| 16. EA-2A to EA-2A-CO, W 24 th Pl, W of Iris St. 2 adjacent holes in pipe, cracks Point Repair: 275-285 LF(0 services) <u>Estimated Cost: \$5,000</u> | CIPP | Area 14 |
| 17. EA-1 to E-3A, Iris St, S of W 25 th Pl Hole and cracks, growth Point Repair: 70-75LF(1 service) <u>Estimated Cost: ~\$5,000</u> | CIPP | Area 14 |
| 18. B-15-3A to B-15-3A-1, Wright Ct. Fracture, Offset joint Point Repair: 5-10LF,65-70 LF(0 services) <u>Estimated Cost: ~\$8,000</u> | Excavation | Area 15 |
| 19. BF-14-1 to BF-14, Applewood Shops Multiple cracks Point Repair: 28-33LF(0 services) <u>Estimated Cost: ~\$2,500</u> | CIPP | Area 16 |
| 20. BF-16A-1 to BF-16A Circumferential crack Point Repair: 129-134LF (0 service) <u>Estimated Cost: ~\$2,500</u> | CIPP | Area 16 |
| 21. B-11R-2-2 to B-11R-2-3, Vivian St. Easement Multiple cracks, collapsed connection Point Repair: 0-5LF, 200-205LF (1 service) <u>Estimated Cost: ~\$12,000</u> | Excavation | Area 16 |
| 22. A-30 to A-29, Routt Street Circumferential crack Point Repair: 38-43LF(0 services) <u>Estimated Cost: ~\$2,500</u> | CIPP | Area 17 |
| 23. AD-1-1 to AD-1-2, W. 31st Pl. Longitudinal Crack Point Repair: 110-115LF, 144-152LF(0 services) <u>Estimated Cost: ~\$6,000</u> | CIPP | Area 17 |
| 24. AD-2 to AD-3, Routt Cir. Multiple Fractures @ tap, Mineral Deposits Point Repair: 25-30LF, 61-71 LF (3 services) <u>Estimated Cost: ~\$15,000</u> | CIPP/Excavation | Area 17 |

| | | |
|---|------------|---------|
| <p>25. ACC-1 to ACA-2, W 30th Pl, W of Simms St Longitudinal cracks in pipe ceiling Point Repair: 230-235LF(0 services) <u>Estimated Cost: ~\$2,500</u></p> | CIPP | Area 17 |
| <p>26. B-3A-5 to B-3A-5-1, W. 32nd Place Pipe broken Point Repair: 0-5LF (1 service) <u>Estimated Cost: ~\$2,500</u></p> | CIPP | Area 17 |
| <p>27. B-11R-7-2 to B-11R-7-3, W. 29th Avenue Separated Joint, Pipe Broken Point Repair: 12-17LF, 38-43LF (0 services) <u>Estimated Cost: ~\$8,000</u></p> | Excavation | Area 17 |
| <p>28. A-33 to A-32, 32nd Avenue Circumferential Crack, Mineral Deposit Point Repair: 63-68LF(1 service) <u>Estimated Cost: ~\$2,500</u></p> | CIPP | Area 18 |
| <p>29. C-3B-4 to C-3B-5, Oak Street Gasket exposed (0 services) Point Repair: 94-100 LF <u>Estimated Cost: ~\$3,000</u></p> | CIPP | Area 19 |
| <p>30. C-3B-5 to C-3B-6, Oak Easement Obstruction, minerals at joint Point Repair: 60-65LF(0 service) <u>Estimated Cost: ~\$5,000</u></p> | Excavation | Area 19 |
| <p>31. A-28 to A-27, Routt Street Longitudinal crack Point Repair: 208-222LF(0 services) <u>Estimated Cost: ~\$4,000</u></p> | CIPP | Area 21 |
| <p>32. B-1A-3 to B-1A-2, Swadley Street Pipe Broken Point Repair: 135-140LF (0 services) <u>Estimated Cost: ~\$4,000</u></p> | Excavation | Area 21 |

2009 POINT REPAIR SUBTOTAL: \$152,000

Sanitary Sewer Full Lining 2009:

| | | |
|--|------|---------|
| 33. B-11R-28A to B-11R-28, Ward Drive – Easement Multiple cracks and fractures Replace – Full lining? ~145LF (0 services) <u>Estimated Cost: ~\$8,000</u> | CIPP | Area 10 |
| 34. EA-1A to EA-1A-1, W 25 th Ave, E of Iris St Hole in pipes, Circum Fracture Point Repair: 15-150 LF Replace – Full lining? ~350LF 8" (3 services) <u>Estimated Cost: ~\$12,000</u> | CIPP | Area 14 |
| 35. B-11R-2 to B-11R-2-1, Vivian St. Easement Multiple cracks throughout pipe Replace ~ Full lining? ~110 LF 8" (2 services) <u>Estimated Cost: ~\$6,000</u> | CIPP | Area 16 |
| 36. B-11R-2-1 to B-11R-2-2, Vivian St. Easement Multiple cracks throughout pipe Replace ~ Full lining? ~215 LF 8" (3 services) <u>Estimated Cost: ~\$12,000</u> | CIPP | Area 16 |
| 37. B-11R-2-7 to B-11R-2-8, W. 31 st Place Easement Multiple Fractures, Cracks Replace ~ Full lining? ~208 LF 8" (2 services) <u>Estimated Cost: ~\$13,000</u> | CIPP | Area 16 |
| 38. B-11R-8 to B-11R-9, W. 29 th Place and Vivian St. Esmt Longitudinal Crack Replace ~ Full lining? ~305 LF 12" (1 service) <u>Estimated Cost: ~\$12,000</u> | CIPP | Area 16 |
| 39. A-29 to A-28, W. Routt Street Multiple cracks throughout pipe, pipe broken Replace ~ Full lining? ~400 LF 12" (4 services) <u>Estimated Cost: ~\$16,000</u> | CIPP | Area 17 |

2009 FULL LINING SUBTOTAL: \$85,000

Sanitary Sewer Main Remove/Replace 2009:

| | | |
|---|-------------|---------|
| 40. P-2 to P-1, W. 15 th Drive Severe Offset, Longitudinal Cracks Point Repair: 0-30LF (1 service) <u>Estimated Cost: ~\$9,000</u> | Excavation | Area 7 |
| 41. B-63 to B-64, Winfield Drive Multiple Fractures, Pipe Deformation Replace ~64-100 LF 8" (1 service) <u>Estimated Cost: ~\$12,000</u> | Excavation | Area 7 |
| 42. BHN-6-2-1 to BHN-6-2, W. 21 st Place Infiltration at joints and taps, circum fracture Replace-Full lining? ~255 LF-6" (5 services) <u>Estimated Cost: ~\$60,000</u> | Excavate 8" | Area 8 |
| 43. B-11R-5(D) to B-11R-5-1, Vivian St. Esmt. Offset joints – minor and medium-along entire length of pipe Replace ~195LF 8" (2 services in mainline, 2 in manhole B-11R-5-1) <u>Estimated Cost: ~\$50,000</u> | Excavation | Area 16 |

2009 REMOVE/REPLACE SUBTOTAL: \$131,000

2009 Totals

| | |
|---------------------------|------------------|
| Manhole | \$7,500 |
| Point Repair | \$152,000 |
| Full Lining | \$85,000 |
| Sewer Main Remove/Replace | \$131,000 |
| <u>Total</u> | <u>\$375,500</u> |

Alternates - Sanitary Sewer Main Remove/Replace 2009

| | | |
|---|-------------------|------------------|
| <p>44. BZ-1 to BZ-1A, Easmt near 9th and Alkire St. Directional bore needed Replace ~400 LF 8" (6 services) <u>Estimated Cost: ~\$50,000</u></p> | <p>Bore</p> | <p>Area 2</p> |
| <p>45. BHC-2 to BHC-3, W. 20th Avenue Upsizing main from 6" to 8" under canal Replace ~ 210 LF 6" with 8" <u>Estimated Cost ~ \$52,000</u></p> | <p>Excavation</p> | <p>Area 8</p> |
| <p>46. G-8 to G-6, W. 23rd Avenue Upsizing main from 8" to 12" due to amounts of flow Replace ~ 500 LF 8" with 12", 3 manholes <u>Estimated Cost ~ \$150,000</u></p> | <p>Excavation</p> | <p>Area 13</p> |
| <p>47. G-6 to G-3, Lewis Street Upsizing main from 8" to 12" due to amounts of flow Replace ~ 954 LF 8" with 12", 3 manholes <u>Estimated Cost ~ \$286,000</u></p> | <p>Excavation</p> | <p>Area 13</p> |
| <p>48. G-3 to A-61, W. 25th Avenue Upsizing main from 8" to 12" due to amounts of flow Replace ~ 1,000 LF 8" with 12", 5 manholes <u>Estimated Cost ~ \$350,000</u></p> | <p>Excavation</p> | <p>Area13-14</p> |
| <p>49. A-61 to A-58, Kipling Street Upsizing main from 12" to 15" due to amounts of flow Replace ~ 670 LF 12" with 15", 4 manholes <u>Estimated Cost ~ \$268,000</u></p> | <p>Excavation</p> | <p>Area 14</p> |

2009 REMOVE/REPLACE ALTERNATE SUBTOTAL: \$1,156,000

2009 Totals

| | |
|----------------------------------|---------------------------|
| <p>Manhole</p> | <p>\$7,500</p> |
| <p>Point Repair</p> | <p>\$152,000</p> |
| <p>Full Lining</p> | <p>\$85,000</p> |
| <p>Sewer Main Remove/Replace</p> | <p>\$131,000</p> |
| <p>Alternates</p> | <p>\$1,156,000</p> |
| <p><u>Total</u></p> | <p>\$1,531,500</p> |