

APPENDIX 4A

Contract with PIE Services for Computer System Management

PUBLIC WORKS AGREEMENT WITH PIE SERVICES FOR UPDATES TO THE WASTEWATER DIVISION COMPUTER WEB BASED SYSTEM MANAGEMENT

This public works and improvement Agreement (“Agreement”) is made by and between the City of Pacific Grove, a Charter City and political subdivision of the State of California (hereinafter “City”) and PIE Services (hereinafter “CONTRACTOR”); and follows the requirements of Pacific Grove Municipal Code **Chapter 2.16, Article III, Purchases under \$15,000.**

In consideration of the mutual covenants and conditions set forth in this Agreement, the City and CONTRACTOR (collectively, the “Parties”) agree as follows:

1. **SERVICES TO BE PROVIDED.** The City hereby engages CONTRACTOR to perform, and CONTRACTOR hereby agrees to perform, the services described in **Exhibit A, Scope of Services**, in conformity with the terms of this Agreement. The services are generally described as follows: *Update sewer system map data and make corrections to existing ICOM3 database, transfer data to iWorQ software and program map interface, and one year of technical support for iWorQ software for Wastewater Division.*
2. **PAYMENTS BY CITY.** City shall pay the CONTRACTOR in accordance with the payment provisions set forth in **Exhibit A**, subject to the limitations set forth in this Agreement. The total amount payable by City to CONTRACTOR under this Agreement **shall not exceed the sum of \$11,000** including any contingencies in accordance with the terms of the Section 6.01 of this Agreement for completion of all work specified above.
3. **TERM OF AGREEMENT.** The term of this Agreement is from August 24, 2012 through June 30, 2013, unless sooner terminated pursuant to the terms of this Agreement. This Agreement is of no force or effect until signed by both CONTRACTOR and City and with City signing last, and CONTRACTOR may not commence work before City signs this Agreement.
4. **ADDITIONAL PROVISIONS/EXHIBITS.** The following attached Exhibit is incorporated herein by reference and constitutes a part of this Agreement:

Exhibit A Scope of Services/Payment Provisions PIE Services

5. PERFORMANCE STANDARDS.

5.01. CONTRACTOR warrants that CONTRACTOR and CONTRACTOR’s agents, employees, and subcontractors performing services under this Agreement are specially trained, experienced, competent, and appropriately licensed to perform the work and deliver the services required under this Agreement and are not employees of the City, or immediate family of an employee of the City.

5.02. CONTRACTOR, its agents, employees, and subcontractors shall perform all work in a safe and skillful manner and in compliance with all applicable laws and regulations. All work performed under this Agreement that is required by law to be performed or supervised by licensed personnel shall be performed in accordance with such licensing requirements.

5.03. CONTRACTOR shall furnish, at its own expense, all materials, equipment, and personnel necessary to carry out the terms of this Agreement, except as otherwise specified in this Agreement. CONTRACTOR shall not use City premises, property (including equipment, instruments, or supplies) or personnel for any purpose other than in the performance of its obligations under this Agreement.

6. PAYMENT CONDITIONS.

6.01. CONTRACTOR shall submit to the Contract Administrator an invoice on a form acceptable to City. If not otherwise specified, the CONTRACTOR may submit such invoice periodically or at the completion of services, but in any event, not later than 30 days after completion of services. The invoice shall set forth the amounts claimed by CONTRACTOR for the previous period, together with an itemized basis for the amounts claimed, and such other information pertinent to the invoice as the City may require. The Contract Administrator or his or her designee shall certify the invoice, either in the requested amount or in such other amount as the City approves in conformity with this Agreement, and shall promptly submit such invoice to the Deputy City Manager - Finance for payment. The City Deputy City Manager – Finance shall pay the amount certified within 30 days of receiving the certified invoice.

6.02. CONTRACTOR shall not receive reimbursement for travel expenses unless set forth in this Agreement.

7. TERMINATION.

7.01. During the term of this Agreement, the City may terminate the Agreement for any reason by giving written notice of termination to the CONTRACTOR at least fourteen (14) days prior to the effective date of termination. Such notice shall set forth the effective date of termination. In the event of such termination, the amount payable under this Agreement shall be reduced in proportion to the services provided prior to the date of termination.

7.02. The City may cancel and terminate this Agreement for good cause effective immediately upon written notice to CONTRACTOR. "Good cause" includes the failure of CONTRACTOR to perform the required services at the time and in the manner provided under this Agreement. If City terminates this Agreement for good cause, the City may be relieved of the payment of any consideration to CONTRACTOR, and the City may proceed with the work in any manner which City deems proper. The cost to the City shall be deducted from any sum due the CONTRACTOR under this Agreement.

8. **INDEMNIFICATION.** To the fullest extent permitted by law, CONTRACTOR shall indemnify, defend, and hold harmless the City, its officers, agents, and employees, both severally and collectively from and against any and all claims, liabilities, and losses whatsoever (including damages to property and injuries to or death of persons, court costs, and reasonable attorneys' fees), howsoever the same may be caused, resulting directly or indirectly from or arising out of the activities, operations, or work performed by the CONTRACTOR, its employees, agents, subcontractors, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable and without limiting the generality of the foregoing, the same shall include; (1) bodily injury, sickness, disease or death to any person or persons or, (2) injury to or destruction of tangible and/or property including that of the City, whether direct or consequential including the loss of use resulting therefrom. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity, which would otherwise exist as to any party or person described herein. The City, at its sole option, may choose to provide all or a portion of the defense of claims, damages, losses, liability, costs, and expenses as set forth above, and in such event, CONTRACTOR shall indemnify and hold harmless the District from the costs and expenses, including attorney's fees, of such defense.

9. INSURANCE.

9.01. Insurance Coverage Requirements: Without limiting CONTRACTOR's duty to indemnify, CONTRACTOR shall maintain in effect throughout the term of this Agreement a policy or policies of insurance with the following minimum limits of liability:

Commercial general liability insurance, including but not limited to premises and operations, including coverage for Bodily Injury and Property Damage, Personal Injury, Contractual Liability, Broadform Property Damage, Independent Contractors, Products and Completed Operations, with a combined single limit for Bodily Injury and Property Damage of not less than \$1,000,000 per occurrence.
Exemption/Modification (Justification attached; subject to approval).

Business automobile liability insurance, covering all motor vehicles, including owned, leased, non-owned, and hired vehicles, used in providing services under this Agreement, with a combined single limit for Bodily Injury and Property Damage of not less than \$1,000,000 per occurrence.

✓ Exemption/Modification (Justification attached; subject to approval).

Workers' Compensation Insurance, if CONTRACTOR employs others in the performance of this Agreement, in accordance with California Labor Code section 3700 and with Employer's Liability limits not less than \$1,000,000 each person, \$1,000,000 each accident and \$1,000,000 each disease.

Exemption/Modification (Justification attached; subject to approval).

Professional liability insurance, if required for the professional services being provided, (e.g., those persons authorized by a license to engage in a business or profession regulated by the California Business and Professions Code), in the amount of not less than \$1,000,000 per claim and \$2,000,000 in the aggregate, to cover liability for malpractice or errors or omissions made in the course of rendering professional services. If professional liability insurance is written on a "claims-made" basis rather than an occurrence basis, the CONTRACTOR shall, upon the expiration or earlier termination of this Agreement, obtain extended reporting coverage ("tail coverage") with the same liability limits. Any such tail coverage shall continue for at least three years following the expiration or earlier termination of this Agreement.

✓ Exemption/Modification (Justification attached; subject to approval).

9.02. Other Insurance Requirements. All insurance required by this Agreement shall be with a company acceptable to the City and issued and executed by an admitted insurer authorized to transact Insurance business in the State of California. Unless otherwise specified by this Agreement, all such insurance shall be written on an occurrence basis, or, if the policy is not written on an occurrence basis, such policy with the coverage required herein shall continue in effect for a period of three years following the date CONTRACTOR completes its performance of services under this Agreement.

Each liability policy shall provide that the City shall be given notice in writing at least thirty days in advance of any endorsed reduction in coverage or limit, cancellation, or intended non-renewal thereof. Each policy shall provide coverage for Contractor and additional insureds with respect to claims arising from each subcontractor, if any, performing work under this Agreement, or be accompanied by a certificate of insurance from each subcontractor showing each subcontractor has identical insurance coverage to the above requirements.

Commercial general liability and automobile liability policies shall provide an endorsement naming the City of Pacific Grove, its officers, agents, and employees as Additional Insureds with respect to liability arising out of the CONTRACTOR'S work, including ongoing and completed operations, and shall further provide that such insurance is primary insurance to any insurance or self-insurance maintained by the City and that the

insurance of the Additional Insureds shall not be called upon to contribute to a loss covered by the CONTRACTOR'S insurance. The required endorsement form for Commercial General Liability Additional Insured is ISO Form CG 20 10 11-85 or CG 20 10 10 01 in tandem with CG 20 37 10 01 (2000). The required endorsement form for Automobile Additional Insured endorsement is ISO Form CA 20 48 02 99.

Prior to the execution of this Agreement by the City, CONTRACTOR shall file certificates of insurance with the City's contract administrator and City's Contracts/Purchasing Division, showing that the CONTRACTOR has in effect the insurance required by this Agreement. The CONTRACTOR shall file a new or amended certificate of insurance within five calendar days after any change is made in any insurance policy which would alter the information on the certificate then on file. Acceptance or approval of insurance shall in no way modify or change the indemnification clause in this Agreement, which shall continue in full force and effect.

CONTRACTOR shall at all times during the term of this Agreement maintain in force the insurance coverage required under this Agreement and shall send, without demand by City, annual certificates to City's Contract Administrator and City's Contracts/Purchasing Division. If the certificate is not received by the expiration date, City shall notify CONTRACTOR and CONTRACTOR shall have five calendar days to send in the certificate, evidencing no lapse in coverage during the interim. Failure by CONTRACTOR to maintain such insurance is a default of this Agreement which entitles City, at its sole discretion, to terminate this Agreement immediately.

10. RECORDS AND CONFIDENTIALITY.

10.01. Confidentiality. CONTRACTOR and its officers, employees, agents, and subcontractors shall comply with any and all federal, state, and local laws which provide for the confidentiality of records and other information. CONTRACTOR shall not disclose any confidential records or other confidential information received from the City or prepared in connection with the performance of this Agreement, unless City specifically permits CONTRACTOR to disclose such records or information. CONTRACTOR shall promptly transmit to City any and all requests for disclosure of any such confidential records or information. CONTRACTOR shall not use any confidential information gained by CONTRACTOR in the performance of this Agreement except for the sole purpose of carrying out CONTRACTOR's obligations under this Agreement.

10.02. City Records. When this Agreement expires or terminates, CONTRACTOR shall return to City any City records which CONTRACTOR used or received from City to perform services under this Agreement.

10.03. Maintenance of Records. CONTRACTOR shall prepare, maintain, and preserve all reports and records that may be required by federal, state, and City rules and regulations related to services performed under this Agreement. CONTRACTOR shall maintain such records for a period of at least three years after receipt of final payment under this Agreement. If any litigation, claim, negotiation, audit exception, or other action relating to this Agreement is pending at the end of the three year period, then CONTRACTOR shall retain said records until such action is resolved.

10.04. Access to and Audit of Records. The City shall have the right to examine, monitor and audit all records, documents, conditions, and activities of the CONTRACTOR and its subcontractors related to services provided under this Agreement. Pursuant to Government Code section 8546.7, if this Agreement involves the expenditure of public funds in excess of \$10,000, the parties to this Agreement may be subject, at the request of the City or as part of any audit of the City, to the examination and audit of the State Auditor pertaining to matters connected with the performance of this Agreement for a period of three years after final payment under the Agreement.

11. NON-DISCRIMINATION. During the performance of this Agreement, CONTRACTOR, and its subcontractors, shall not unlawfully discriminate against any person because of race, religious creed, color, sex, national origin, ancestry, physical disability, mental disability, medical condition, marital status, age (over 40), or sexual orientation, either in CONTRACTOR's employment practices or in the furnishing of services to recipients. CONTRACTOR shall ensure that the evaluation and treatment of its employees and applicants for employment and all persons receiving and requesting services are free of such discrimination. CONTRACTOR and any subcontractor shall, in the performance of this Agreement, fully comply with all federal, state, and local laws and regulations which prohibit discrimination. The provision of services primarily or exclusively to such target population as may be designated in this Agreement shall not be deemed to be prohibited discrimination.

12. COMPLIANCE WITH TERMS OF STATE OR FEDERAL GRANT. If this Agreement has been or will be funded with monies received by the City pursuant to a contract with the state or federal government in which the City is the grantee, CONTRACTOR will comply with all the provisions of said contract, to the extent applicable to CONTRACTOR as a subgrantee under said contract, and said provisions shall be deemed a part of this Agreement, as though fully set forth herein. Upon request, City will deliver a copy of said contract to CONTRACTOR, at no cost to CONTRACTOR.

14. APPRENTICES. CONTRACTOR agrees to comply with all provisions of the law regarding the employment of apprentices. (Labor Code §§ 1773.3, 1777.5, 1777.6 and 3077 et seq.) These Labor Code sections require that CONTRACTOR and subcontractors employ apprentices in apprenticeship occupations in a ratio of not less than one (1) apprentice for each five (5) journeyman hours, unless an exemption is granted, and that contractors and subcontractors shall not discriminate among otherwise qualified employees as indentured apprentices on any public work solely on the grounds of race, religious creed, color, national origin, ancestry, sex, or age. Only apprentices who are in training under written apprenticeship agreements shall be employed on public works contracts in apprenticeship occupations. The responsibility for compliance with these provisions for all apprenticeship occupations rests with CONTRACTOR.

15. PAYROLL RECORDS. Pursuant to Labor Code section 1776, CONTRACTOR and each subcontractor shall keep accurate records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by it in connection with the work. Each payroll record shall contain or be verified by a written declaration that it is made under penalty of perjury, stating both of the following: 1) The information contained in the payroll record is true and correct; 2) The employer has complied with the requirements of Labor Code sections 1771, 1811, and 1815 for any work performed by its employees on the Project. Payroll records enumerated shall be certified and shall be available for inspection at all reasonable hours at the principal office of the CONTRACTOR.

16. INDEPENDENT CONTRACTOR. In the performance of work, duties, and obligations under this Agreement, CONTRACTOR is at all times acting and performing as an independent contractor and not as an employee of the City. No offer or obligation of permanent employment with the City or particular City department or agency is intended in any manner, and CONTRACTOR shall not become entitled by virtue of this Agreement to receive from City any form of employee benefits including but not limited to sick leave, vacation, retirement benefits, workers' compensation coverage, insurance or disability benefits. CONTRACTOR shall be solely liable for and obligated to pay directly all applicable taxes, including federal and state income taxes and social security, arising out of CONTRACTOR's performance of this Agreement. In connection therewith, CONTRACTOR shall defend, indemnify, and hold City harmless from any and all liability which City may incur because of CONTRACTOR's failure to pay such taxes.

17. NOTICES. Notices required under this Agreement shall be delivered personally or by first-class, postage pre-paid mail to the City's and CONTRACTOR'S contract administrators at the addresses listed below:

| FOR CITY: | FOR CONTRACTOR: |
|--|---|
| <p style="text-align: center;">Sarah Hardgrave Programs Manager 2100 Sunset Drive Pacific Grove, CA 93950 (831) 648-5477</p> | <p style="text-align: center;">Cary Stiebel GIS & Database Analyst 5 Buena Vista Del Rio Carmel, CA 93924 (831)915-9449</p> |

18. UNFAIR BUSINESS PRACTICES CLAIM

In accord with California Public Contracts Code § 7103.5, CONTRACTOR agrees to assign to the CITY all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the Agreement. This assignment shall be made and become effective at the time the CITY tenders final payment to the CONTRACTOR, without further acknowledgment by the Parties.

19. MISCELLANEOUS PROVISIONS.

19.01. Conflict of Interest. CONTRACTOR represents that it presently has no interest and agrees not to acquire any interest during the term of this Agreement which would directly or indirectly conflict in any manner or to any degree with the full and complete performance of the professional services required to be rendered under this Agreement.

19.02. Amendments and Change Orders. This Agreement may be amended or modified as necessary only by an instrument in writing or authorized changed order executed by the Pacific Grove City Manager and the CONTRACTOR.

19.03. Waiver. Any waiver of any terms and conditions of this Agreement must be in writing and signed by the City and the CONTRACTOR. A waiver of any of the terms and conditions of this Agreement shall not be construed as a waiver of any other terms or conditions in this Agreement.

19.04. Contractor. The term “CONTRACTOR” as used in this Agreement includes CONTRACTOR’s officers, agents, and employees acting on CONTRACTOR’s behalf in the performance of this Agreement.

19.05. Disputes. CONTRACTOR shall continue to perform under this Agreement during any dispute. Contractor and the CITY hereby agree to make good faith efforts to resolve disputes as quickly as possible. In the event any dispute arising from or related to this Agreement results in litigation or arbitration, the prevailing party shall be entitled to recover all reasonable costs incurred, including court costs, attorney fees, expenses for expert witnesses (whether or not called to testify), expenses for accountants or appraisers (whether or not called to testify), and other related expenses. Recovery of these expenses shall be as additional costs awarded to the prevailing party, and shall not require initiation of a separate legal proceeding.

19.06. Assignment and Subcontracting. The CONTRACTOR shall not assign, sell, or otherwise transfer its interest or obligations in this Agreement without the prior written consent of the City. None of the services covered by this Agreement shall be subcontracted without the prior written approval of the City.

Notwithstanding any such subcontract, CONTRACTOR shall continue to be liable for the performance of all requirements of this Agreement.

19.07. Successors and Assigns. This Agreement and the rights, privileges, duties, and obligations of the City and CONTRACTOR under this Agreement, to the extent assignable or delegable, shall be binding upon and inure to the benefit of the parties and their respective successors, permitted assigns, and heirs.

19.08. Compliance with Applicable Law. The parties shall comply with all applicable federal, state, and local laws and regulations in performing this Agreement.

19.09. Headings. The headings are for convenience only and shall not be used to interpret the terms of this Agreement.

19.10. Time is of the Essence. Time is of the essence in each and all of the provisions of this Agreement.

19.11. Governing Law. This Agreement shall be governed by and interpreted under the laws of the State of California.

19.12. Non-exclusive Agreement. This Agreement is non-exclusive and both City and CONTRACTOR expressly reserve the right to contract with other entities for the same or similar services.

19.13. Construction of Agreement. The City and CONTRACTOR agree that each party has fully participated in the review and revision of this Agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this Agreement or any amendment to this Agreement.

19.14. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same Agreement.

19.15. Authority. Any individual executing this Agreement on behalf of the City or the CONTRACTOR represents and warrants hereby that he or she has the requisite authority to enter into this Agreement on behalf of such party and bind the party to the terms and conditions of this Agreement.

19.16. Integration. This Agreement, including the exhibits any documents incorporated by reference, represent the entire Agreement between the City and the CONTRACTOR with respect to the subject matter of this Agreement and shall supersede all prior negotiations, representations, or agreements, either written or oral, between the City and the CONTRACTOR as of the effective date of this Agreement, which is the date that the City signs the Agreement.

19.17. Interpretation of Conflicting Provisions. In the event of any conflict or inconsistency between the provisions of this Agreement and the Provisions of any exhibit or other attachment to this Agreement, the provisions of this Agreement shall prevail and control.

19.18 Severability. If any of the provisions contained in the Contract are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions shall not be impaired thereby. Limitations of liability and indemnities shall survive termination of the Contract for any cause. If a part of this Contract is valid, all valid parts that are severable from the invalid part remain in effect. If a part of this Contract is invalid in one or more of its applications, the part remains in effect in all valid applications that are severable from the invalid applications.

This space is left blank, intentionally.

IN WITNESS WHEREOF, City and CONTRACTOR have executed this Agreement as of the day and year written below.

CITY OF PACIFIC GROVE

By: T Frutchet
Thomas Frutchet, Purchasing Agent
Date: 8-27-12

By: Sarah Hardgrave
Sarah Hardgrave, Program Manager
Date: 8/27/12

Approved as to Form:
By: David Laredo
David Laredo, City Attorney
Date: 8/27/12

CONTRACTOR

PIE Services
By: Cary Stiebel
Date: Aug 24, 2012

*INSTRUCTIONS: If CONTRACTOR is a corporation, including limited liability and non-profit corporations, the full legal name of the corporation shall be set forth above together with the signatures of two specified officers. If CONTRACTOR is a partnership, the name of the partnership shall be set forth above together with the signature of a partner who has authority to execute this Agreement on behalf of the partnership. If CONTRACTOR is contracting in an individual capacity, the individual shall set forth the name of the business, if any, and shall personally sign the Agreement.

¹Approval by Risk Management is necessary only if changes are made in paragraph 8 or 9.

EXHIBIT A

SCOPE OF SERVICE/PAYMENT PROVISIONS

CONTRACTOR shall provide the Public Works Department of the City of Pacific Grove with an update sewer system map data, make corrections to existing ICOM3 database, transfer data to iWorQ software and develop a program map interface with iWorQ. CONTRACTOR shall provide one year of technical support for iWorQ software for the Public Works Wastewater Division.

City shall pay CONTRACTOR up to, but not to exceed, \$11,000 in accord with the terms of the Section 6.01 of this Agreement for completion of all work specified above.

People Information Earth Services

5 Buena Vista Del Rio
 Carmel Valley, CA. 93924

Estimate

| Date | Estimate # |
|-----------|------------|
| 8/12/2012 | 1 |

| Name / Address |
|---|
| City of Pacific Grove 300 Forest Avenue Pacific Grove, CA 93950 |

| | | | Project |
|---|-----|--------------|-------------|
| Description | Qty | Cost | Total |
| 1. Update Sewer line and manhole point GIS layers using existing reference material. | 100 | 60.00 | 6,000.00 |
| 2. Integrate IworQ sewer maintenance work order system with ArcGIS. Create ability for dynamic mapping of sewer work orders. | 40 | 75.00 | 3,000.00 |
| 3. Monthly maintenance of system integration between IworQ and ArcGIS. This includes technical phone support, remote access support and onsite support if required. | 10 | 200.00 | 2,000.00 |
| | | Total | \$11,000.00 |

Customer Signature _____

EXHIBIT B

WAIVER OF INSURANCE JUSTIFICATION

PIE Services for Wastewater Database Update and iWorQ Technical Support
August 24, 2012

Business Automobile Liability Insurance is waived because the Contractor will not operate motor vehicles as part of the professional services being performed.

Professional Liability Insurance is waived because it is not required for the professional services being performed.

APPENDIX 4B

Larson Consulting CCTV Summary Report

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|-----------------------|---------------|------------------|-----------------------------|-------------------------------|------------|-----------------|---|
| 1051-536 | #2 | # 74 | S3 | Yes* (Can see MH from defect) | 04/10/2006 | Austin Ave | 1) Location: Austin 536 upstream to I536. 2) GIS: E536A-1051 (62'); 1051-536 (438'); and E536-536 (41') US of MH. 536 not found. Using 1051-536 temporarily. 3) Offset at pipe material change. Can see downstream manhole from defect at 439'. |
| 261-260 | #2 | # 33 | | Yes (Ended at MH) | 04/06/2006 | Carmel | |
| 262-261 | #2 | # 32 | S1 | Yes (Ended at MH) | 04/06/2006 | Carmel | |
| 266-264 | #2 | # 29 | S2 | No (Manhole not shown in GIS) | 04/06/2006 | 14th Ave | 1) -177 (58% discrepancy in footage) 2) Operator stated that manhole is not shown on print and that he'd come up from the other side (other inspection not found) 3) GIS does not show a manhole between 266 and 264 |
| 269-I268-268-I267-266 | #2 | # 21 & 28 | S1 | Unknown (Location unclear) | 04/06/2006 | 14th Ave | 1) Location (Run #21): 14th Ave 269 DS to 267; Operator had question about existence of MH 266. 2) Location (Run #28): 266 US to 288, "Second part of run #21... no MH 267 on plans" 3) Video #28 ended at 151' (DVD & VHS). Log ends intruding lateral at 154'. 4) GIS: 269-I268 (37' 90°); I268-268 (170'); 268-I267 (56'); I267-266 (Actual=278'; Calculated=465'). Unknown location. |
| 270-I270 | #2 | # 27 | S5 | Yes (Ended at MH) | 04/06/2006 | Beaumont- Alley | 1) Location: Alley 270 downstream to 268. GIS: 270-I270 (68'); I270-268 (140'). There are break-in connections at 67' and 71', but no cleanouts. 2) Problem with DVD - reviewed VHS. |
| 271-270 | #2 | # 25 | S3 | Yes (Ended at MH) | 04/06/2006 | Ransford | -12 (8% discrepancy in footage) |
| 272-271 | #2 | # 26 | S2 | Yes (Ended at MH) | 04/06/2006 | Beaumont | |
| 273-272 | #1 | B74 & B75 | S3 | Yes (Completed from US MH) | 30-Dec-05 | Morse Dr | Check GIS; Medium priority; low priority spot repair, 4' not inspected |
| 274-266 | #2 | # 19 | S4 | Yes (Ended at MH) | 04/05/2006 | Hillcrest | |
| 275-274 | #2 | # 11 & 12 | S3 | Yes (Jan #11 & Jan #12) | 04/05/2006 | Fountain | Run #12 appeared to end at point where Run #11 was abandoned due to offset joint. |
| 276-I275 | #2 | # 10 | | Yes (Ended at CO) | 04/05/2006 | Beaumont | |
| 277-276 | #2 | # 8 & 50 | S3 | Yes (Jan #9 & Mar-Apr #50) | 04/26/2006 | Morse | 1) Line inspected Jan & Mar-Apr. Operator Run #50 (Mar-Apr): "We've done this run before, but there were roots & couldn't get through..." 2) Run #8 (Jan from US MH) ended at 38' (roots). #9 (from DS MH) ended 191' (intruding break-in connection). 3) #50 (March-April from upstream manhole) ended 421' at intruding break-in connection. 4) Intruding break-in connection for Run #50 and Run #9 appears to be the same. 5) FYI -- Run #9 Defective DVD so reviewed VHS. |
| 279-274 | #2 | # 17 & 18 | S2 | Yes (Jan #17 & Jan #18) | 04/05/2006 | Hillcrest | |
| 280-279 | #2 | # 15 & 16 | S3 | Yes (Jan #15 & Jan #16) | 04/05/2006 | Fountain -Alley | GIS shows "Actual Length" as 43' and "Calculated Length" as 464'. Run #16 (Jan): Manhole not shown on operator's map |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|---|------------|---|--|
| 281-280 | #2 | # 7 & 14 | S3 | Yes (Ended at CO) | 04/05/2006 | Fountain -Alley | 1) -46' (24%) 2) #7 ended 148' (cleanout). Location: Beaumont 281 DS to 280. 3) Run #14 ended at cleanout at 39'. Location: Alley 280 upstream to cleanout. CCTV shows a large line entering from left (going US) and a smaller line straight ahead 4) GIS: 281-280 with 90° ~40' from DS MH (no cleanout or intersection). 5) GIS shows Actual=154' & Calculated=197'. Actual may not include the segment between the 90 ° turn and DS MH. |
| 282-281 | #2 | # 5 & Unk | | Unknown (CO not shown in GIS) | 04/05/2006 | Morse-Beaumont | Run #5 (Jan): End inspection at manhole? Cleanout? Audio unclear. GIS does not show cleanout. Next run was labeled as Run #6 (295'), but run 6 was only 35' long. Unknown location of Run #6. Run #6 (Jan): End of inspection: Ended at cleanout. GIS does not show cleanout |
| 283-282 | #2 | # 3 & 4 | S4 | No (Intruding laterals both directions) | 04/05/2006 | Morse-Beaumont | 1) -42' (7%) 2) #3 (from US MH) ended at 131' (intruding lateral). #4 (from DS MH) ended at 384' (intruding lateral that did not appear to be the same as in Run #3.) 3) FYI - CCTV header "Watsonville" 4) GIS: Actual=270' & Calculated=558'. |
| 361-360 | #1 | B39 & B40 | S4 | No | 19-Dec-05 | 19th | High priority - Displaced pipe, incomplete inspection |
| 362-361 | #1 | B38 | | | 19-Dec-05 | 19th | |
| 363-362 | #1 | B30 | S2 | | 15-Dec-05 | Grove Acre (Spazier Dr is on VHS label) | Low priority - not displaced, reinspect |
| 364-362 | #1 | B34 | S2 | | 19-Dec-05 | 19th Ave | Low priority |
| 365-473 | #1 | B35 & B36 | | No | 19-Dec-05 | Hillcrest | Clean - inspection was completed from US MH |
| 366-364 | #1 | B32 & B33 | S4 | No | 19-Dec-05 | 19th Ave | High priority - Could not complete inspection from US or DS MH. Over 100' not inspected |
| 366-681 | #1 | B47 | | | 22-Dec-05 | Marino Pines | |
| 373-366 | #1 | B46 | S3 | | 20-Dec-05 | 19th St | Medium priority - slightly displaced at 6, reinspect |
| 374-373 | #1 | B44 | | | 20-Dec-05 | Hillcrest Ct | |
| 375-374 | #1 | B43 | | | 20-Dec-05 | Hillcrest Ct | |
| 376-375 | #1 | B42 | | | 20-Dec-05 | Petra Lane | |
| 377-376 | #1 | B41 | | | 20-Dec-05 | Petra Lane | |
| 380-379 | #1 | B52 | S2 | | | | Low priority |
| 381-380 | #1 | B49 & B51 | S4 | Yes (Completed from US MH) | 22-Dec-05 | Congress | One High priority - some displacement; one Medium priority; two Low priority. Inspection completed from US MH |
| 382-381 | #1 | B50 | S3 | | 22-Dec-05 | Congress | Medium priority - slightly displaced at top of pipe; one Low priority |
| 439-438 | #1 | A09 | S4 | | 12-Dec-05 | Cedar | High priority - slightly displaced; one Low priority. |
| 440-439 | #1 | A08 | S4 | | 12-Dec-05 | Cedar | High priority - slightly displaced |
| 441-440 | #1 | A07 | S4 | No | 12-Dec-05 | Cedar | High priority - 108' not inspected; one Homeowner problem |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|-------------------------------|------------|-----------------------|---|
| 442-441 | #1 | A05 & A06 | S3 | Yes (Completed from US MH) | 12-Dec-05 | Rosemont Ave | Medium priority - inspection completed from DS MH |
| 443-442 | #1 | A03 & A04 | S3 | Yes (Completed from US MH) | 12-Dec-05 | Rosemont Ave | Medium priority - inspection completed from DS MH; one Low priority |
| 456-455 | #1 | B26 | S1 | | 15-Dec-05 | Walnut | Low priority - Homeowner problem; reinspect |
| 473-364 | #1 | B37 | S1 | | 19-Dec-05 | Hillcrest | Low priority - Homeowner problem |
| 514-513 | #2 | # 41 | | Yes (Ended at MH) | 02/17/2006 | Majella | |
| 516-515 | #2 | # 42 | S1 | Yes (Ended at MH) | 02/20/2006 | Majella | |
| 520-519 | #2 | # 36 | S4 | Yes (Ended at MH) | 02/16/2006 | David/Ortega | +18 (7% discrepancy in footage) |
| 521-520 | #2 | # 7 | S4 | Yes* (Can see MH from defect) | 02/02/2006 | Lincoln/David | 1) Fractured/displaced pipe in joint next to downstream manhole 2) Can see downstream manhole from defect. |
| 522-521 | #2 | # 6 | | Yes (Ended at MH) | 02/01/2006 | Miles/Lincoln | |
| 523-522 | #2 | # 5 | | Yes (Ended at MH) | 02/01/2006 | Lawton/Miles | |
| 527-526 | #2 | # 11 | S1 | Yes (Ended at MH) | 02/02/2006 | Buena Vista | |
| 529-538 | #2 | # 93 | S4 | Yes (Ended at MH) | 04/13/2006 | Buena Vista - Funston | |
| 530-1035-529 | #2 | # 82 | S3 | Yes (Ended at MH) | 04/11/2006 | Buena Vista | 1) Location according to operator (Run #82): Buena Vista 530 downstream to 529. This run was 469' and ended at downstream manhole. 3) GIS shows 530-1035 (243'); 1035-529 (217'). 4) Run #82 (Jan): Manhole not shown on operator's map: GIS shows this as 1035. |
| 531-1034 | #2 | # 79 & 80 | S3 | Yes (Jan #79 & Jan #80) | 04/11/2006 | Buena Vista | 1) Ended at intruding break-in connection both Run #79 and #80. 2) FYI - MH data transcribed incorrectly by CCTV contractor. Operator labeled US/DS MH differently Run #79 & #80 but stated intruding lateral on Run #80 was the same as #79. |
| 532-531 | #2 | # 78 | | Yes (Ended at MH) | 04/10/2006 | Buena Vista | |
| 533-532 | #2 | # 77 | S4 | No (Offset joint) | 04/10/2006 | Austin Ave | 1) Location: Austin 553 (sic) DS to 532. Ended 121' (offset joint). CCTV inspection not found for line segment 532 US to 533 (or 553). 2) GIS shows 533 between Austin and Buena Vista; and 553 on Lincoln. GIS shows 533-532 (161'). |
| 536-533 | #2 | # 76 | S4 | Yes (Ended at MH) | 04/10/2006 | Austin Ave | 1) Location according to operator: Austin 536 downstream to 553 (sic). 2) GIS shows 536 on Austin. 536-533 (146'). This run ended at manhole at 154' so is probably 536-533. |
| 537-541 | #2 | # 94 | | Yes (Ended at MH) | 04/13/2006 | Funston- Shafter | |
| 538-537 | #2 | # 87 | | Yes (Ended at MH) | 04/13/2006 | Funston | |
| 539-1033-538 | #2 | # 85 & 86 | S5 | No (Offset joints) | 04/13/2006 | Funston | 1) Location #85: Funston 539 DS to 538. Ended at 432' (offset joint). 2) Location #86: Funston 539 US to 538. Ended at 10' (offset joint). 3) GIS shows 539-1033 (247'); 1033-538 (213'). 4) Run #85 (Jan): Manhole not shown on operator's map |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|---------------------------|------------|-----------------|--|
| 540-1032 | #2 | # 84 | S2 | Yes (Ended at MH) | 04/11/2006 | Funston | 1) Location: Funston 540 DS to 539. 2) GIS: 540-1032 (250'); 1032-539 (250'). Ended at DS MH at 508'. Two service connections (237' and 260'). GIS appears to be incorrect. 3) Run #84 (Jan): Manhole not shown on operator's map |
| 541-524 | #2 | # 91 | S4 | Yes (Ended at MH) | 04/13/2006 | Shafter | 1) Location according to operator: Shafter 541 downstream to 540. 2) GIS shows 541-524 (328'). This run ended at downstream manhole at 327'. |
| 542-541 | #2 | # 90 | S4 | No (Offset joint) | 04/13/2006 | Shafter | |
| 543-523 | #2 | # 92 | S3 | Yes (Ended at MH) | 04/13/2006 | Lawton | 1) Location: "Lawton 543 downstream to 542." 2) GIS shows 543-523 (461'). This run ended at downstream manhole at 451' (2% error). Line segment appears to have been identified incorrectly. |
| 544-1031-543 | #2 | # 96 & 97 | S3 | Yes (Jan #96 & Jan #97) | 04/13/2006 | Lawton | 1) Location #96: Lawton 544 DS to 543. Ended at 76' (roots). 2) Location #97: Lawton 544 US to 543. Ended at 456' at lateral (roots), "where prior run was abandoned" per operator. 3) #97 has a MH "not shown on print" at 283' US of MH 543. 4) GIS: 544-1031 (263'); 1031-543 (263'). GIS appears to be correct. 5) Run #97 (Jan): Manhole not shown on operator's map at 10:00 position |
| 545-522 | #2 | # 102 | | Yes (Ended at MH) | 04/13/2006 | Miles | |
| 546-545 | #2 | # 100 & 101 | S2 | Yes (Jan #100 & Jan #101) | 04/13/2006 | Miles | -9 (4% discrepancy in footage) |
| 546-554 | #2 | # 8 | | Yes (Ended at MH) | 02/02/2006 | Montecito | |
| 547-546 | #2 | # 99 | S4 | Yes (Ended at MH) | 04/13/2006 | Miles | +29 (16% discrepancy in footage) |
| 548-547 | #2 | # 98 | S4 | Yes (Ended at MH) | 04/13/2006 | Miles | -27 (6% discrepancy in footage) |
| 549-548 | #2 | # 103 | S4 | Yes (Ended at MH) | 04/13/2006 | Buena Vista | |
| 552-551 | #2 | # 52 | S4 | No (Intruding lateral) | 04/28/2006 | Funston | |
| 553-521 | #2 | # 4 | S5 | Yes (Ended at MH) | 02/01/2006 | Lincoln | |
| 554-553 | #2 | # 3 | S4 | Yes (Ended at MH) | 02/01/2006 | Lincoln | |
| 554-564 | #2 | # 9 | S1 | Yes (Ended at MH) | 02/02/2006 | Montecito | |
| 555-554 | #2 | # 2 | S1 | Yes (Ended at MH) | 02/01/2006 | Lincoln | |
| 556-555 | #2 | # 1 | S4 | Yes (Ended at MH) | 02/01/2006 | Lincoln | |
| 557-556 | #2 | # 120 | | Yes (Ended at MH) | 04/14/2006 | Lincoln | |
| 558-557 | #2 | # 118 & 119 | S4 | Yes (Jan #118 & Jan #119) | 04/14/2006 | Lincoln | |
| 559-556 | #2 | # 116 | | Yes (Ended at MH) | 04/14/2006 | Buena Vista | |
| 560-559 | #2 | # 115 | S3 | Yes (Ended at MH) | 04/14/2006 | Buena Vista | 1) +26 (8% discrepancy in footage) 2) Run #115 (Jan): End inspection at US MH. GIS or footage is incorrect. |
| 561-514 | #2 | # 40 | | Yes (Ended at MH) | 02/17/2006 | Majella | 1) Location: Maella 561 DS to 514. Ended at 368'. 2) GIS: 561-514 (361'). 3) CCTV database showed as 656-655. CCTV # 43 is 656-655 (485'). MH data transcribed incorrectly by CCTV company. |
| 562-561 | #2 | # 39 | S5 | Yes (Ended at MH) | 02/17/2006 | Majella | |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|---------------------------------|------------|-----------------|--|
| 564-563 | #2 | # 35 | | Yes (Ended at MH) | 02/16/2006 | David | 1) +8 (12% discrepancy in footage). 2) Location according to operator (Run #35): David 564 downstream to 563. |
| 564-633 | #2 | # 25 & 26 | S4 | Yes (Jan #25 & Jan #26) | 02/13/2006 | David | 1) -16' (5%) 2) US/DS MHs don't match on CCTV header, but same according to operator. 3) Location #25: David 564 DS to 663. Ended at 180' (intruding lateral). 4) Location #26: David 663 US to 564. Ended at 125' (same intruding lateral). 5) GIS: two 8" lines DS of 564 on David. 564-563 (67') & 564-633 (320'). Manhole 563 heads North toward Majella Rd. Manhole 663 is on Prescott between Seaview and Forest. 564-563 was inspected in Run #35. |
| 565-564 | #2 | # 24 | S3 | Yes (Ended at MH) | 02/13/2006 | David | |
| 566-565 | #2 | # 22 & 23 | S2 | Yes (Jan #22 & Jan #23) | 02/13/2006 | David | |
| 567-566 | #2 | # 21 | | Yes (Ended at MH) | 02/06/2006 | David | |
| 569-567 | #2 | # 20 | S3 | Yes (Ended at MH) | 02/03/2006 | David | Operator stated location was "...on David from 569 to 567. There is a manhole 568 on the plans but it's crossed out. But if there is a 568, then I'll go ahead and stop the run there and start a new run..." |
| 571-570 | #2 | # 19 | S1 | Yes (Ended at MH) | 02/03/2006 | David | |
| 572-676-571 | #2 | # 48 | S1 | Yes (Ended at MH) | 02/24/2006 | David | 1) Location #48: David 572 DS to 571. MH not on print at 25'. Ended at 285' (MH) 2) GIS shows 572-676 (30') and 676-571 (265'). 3) +39 (15% discrepancy in footage) |
| 573-572 | #2 | # 46 & 47 | S4 | No (Offset joint) | 02/24/2006 | David | 1) -140 (29% discrepancy in footage) 2) Run #46 (from upstream manhole) ended at offset joint at 341'. Run #47 (from downstream manhole) ended at a different offset joint at 6' |
| 574-573 | #2 | # 44 & 45 | S1 | Unknown (GIS/CCTV inconsistent) | 02/24/2006 | David | 1) +64 (11% discrepancy in footage) 2) #44 (from US MH) abandoned due to unknown obstruction at 513' 3) #45 (from DS MH) ended at 115' due to unknown obstruction. Roots at joint appear identical. |
| 575-574 | #2 | # 23 | S3 | Yes (Ended at MH) | 04/20/2006 | David | |
| 577-566 | #2 | # 13 | | Yes (Ended at MH) | 02/02/2006 | Buena Vista | |
| 578-567 | #2 | # 16 | | Yes (Ended at MH) | 02/03/2006 | Clark | -11 (8% discrepancy in footage) |
| 579-569 | #2 | # 110 | | Yes (Ended at MH) | 04/14/2006 | Presidio | Camera underwater 201' to end of run (came out of water at downstream manhole) |
| 580-579 | #2 | # 108 | S1 | Yes (Ended at MH) | 04/14/2006 | Presidio | Run #108: Manhole not shown on operator's map |
| 581-580 | #2 | # 109 | | Yes (Ended at MH) | 04/14/2006 | Presidio | Channel enters to left in downstream manhole |
| 582-581 | #2 | # 107 | S1 | Yes (Ended at MH) | 04/14/2006 | Presidio | |
| 583-582 | #2 | # 57 | | Yes (Ended at MH) | 04/07/2006 | Presidio | |
| 584-583 | #2 | # 56 | S2 | Yes (Ended at MH) | 04/07/2006 | Presidio | Note: Street name changed to Otter Ln and Line Segment changed to 585 <= 595 at 229'. No reason given by operator. |
| 585-584 | #2 | # 54 & 55 | S3 | Yes (Jan #54 & Jan #55) | 04/07/2006 | Tunston | |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|---|------------|------------------|--|
| 586-585 | #2 | # 70 | S2 | Yes (Ended at MH) | 04/10/2006 | Funston | |
| 588-580 | #2 | # 62 & 63 | S2 | Yes (Jan #62 & Jan #63) | 04/07/2006 | Hillside | |
| 589-588 | #2 | # 61 | | Yes (Ended at MH) | 04/07/2006 | Hillside | -10 (22% discrepancy in footage) |
| 591-581 | #2 | # 17 | | No (Pipe turns straight up) | 02/03/2006 | Presidio | -21' (5% discrepancy in footage) |
| 594-583 | #2 | # 58 | S1 | Yes (Ended at MH) | 04/07/2006 | Benito | 1) Location: Benito 583 DS (sic) to E594. 2) GIS: E594-594 (94'); 594-593 (122'). 3) CCTV database shows as 583 US to 594. 4) Ended at 123'. Line segment appears to have been incorrectly identified by operator. |
| 595-585 | #2 | # 52 & 53 | S2 | Yes (Jan #52 & Jan #53) | 04/07/2006 | Otter Ln | 1) -12 (5% discrepancy in footage) 2) Run #53 ended at 216' due to roots. Run #54 ended at 33' at what appear to be the same roots. |
| 596-595 | #2 | # 50 & 51 | S4 | No (Series of offset joints both US & DS) | 04/06/2006 | Benito Ct | 1) -14 (3% discrepancy in footage) 2) Run #51 (Jan): End of inspection: Entire line has been inspected per operator, but GIS footage indicates 14' have not been inspected. |
| 597-596 | #2 | # 49 | | Yes (Ended at MH) | 04/06/2006 | Benito Ct | -17 (8% discrepancy in footage) |
| 598-597 | #2 | # 48 | | Yes (Ended at MH) | 04/06/2006 | Benito Ct | |
| 599-598 | #2 | # 47 | S4 | Yes (Ended at MH) | 04/06/2006 | Sydia | |
| 600-599 | #2 | # 45 | S3 | Yes* (Can see MH from defect) | 04/06/2006 | Sydia | |
| 602-570 | #2 | # 112 | | Yes (Ended at MH) | 04/14/2006 | Patterson | |
| 603-602 | #2 | # 67 | S3 | Yes (Ended at MH) | 04/07/2006 | Piedmont | |
| 604-603 | #2 | # 66 | | Yes (Ended at MH) | 04/07/2006 | Piedmont | -9 (6% discrepancy in footage) |
| 605-604 | #2 | # 65 | S4 | No (Roots) | 04/07/2006 | Piedmont | |
| 606-571 | #2 | # 42 | | Yes (Ended at MH) | 04/06/2006 | Kenet Pl | |
| 607-606 | #2 | # 41 | S2 | Yes (Ended at MH) | 04/06/2006 | Kenet Pl | |
| 608-607 | #2 | # 40 | S2 | Yes (Ended at MH) | 04/06/2006 | Piedmont | 1) Location: Piedmont 607 US to 609. 2) GIS shows 609-608 (34'); 608-607 (88'). Ended at manhole at 88'. 3) This would be line segment 608-607. 4) 609-608 does not appear to have been inspected. |
| 610-609 | #2 | # 39 | S4 | No (Offset joint) | 04/06/2006 | Sydia Dr | |
| 611-610 | #2 | # 35 | S2 | Yes (Ended at MH) | 04/06/2006 | Sydia Dr | |
| 612-611 | #2 | # 37 | S3 | Yes (Ended at MH) | 04/06/2006 | Sydia Dr | Run #37 (Jan): Manhole not shown on operator's map: Outside drop connection manhole. |
| 619-574 | #1 | B71 | S4 | | 30-Dec-05 | Ransford | High priority - offset and old spot repair |
| 620-619 | #1 | B67 | S1 | | 29-Dec-05 | Forest Hill Blvd | Low priority - Homeowner problem |
| 621-620 | #1 | B66 | S1 | | 29-Dec-05 | Forest Hill Blvd | Low priority - Homeowner problem |
| 622-621 | #1 | B65 | S2 | | 29-Dec-05 | Forest Hill Blvd | Low priority |
| 623-1623-622 | #2 | # 23 & 24 | S4 | No (Offset joint/roots) | 04/05/2006 | Ransford | 1) Location #23: Ransford 623 DS to 622. Ended at 114' (offset joint). 2) Location #24: Ransford 622 US to 623, continuation prior run. Ended at 53' (heavy roots). 3) GIS: 623-1623 (110'); 1623-622 (386'). 4) File not on DVD. Reviewed VHS. |
| 624-623 | #2 | # 38 | S5 | No (Broken pipe/Multiple fractures) | 04/24/2006 | Piedmont | |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|---|------------|-----------------|---|
| 624-623 | #1 | B64 | S4 | No | 29-Dec-05 | Piedmont | High priority - severe displacement - 230' not inspected; one Medium priority; one Low priority |
| 625-624 | #2 | # 37 & 48 | S5 | Yes (Jan #37 & Jan #48) | 04/25/2006 | Forest | |
| 626-625 | #1 | B62 | | | 28-Dec-05 | Bishop/Forest | |
| 627-626 | #1 | B63 | S3 | No | 28-Dec-05 | Forest | Medium priority - Offset joint and fractures; one Low priority. |
| 628-627 | #1 | B61 | S3 | | 28-Dec-05 | Bishop Ave | Medium priority |
| 629-628 | #1 | B60 | | | 28-Dec-05 | Bishop Ave | |
| 630-1630 | #1 | B58 | S3 | No | 28-Dec-05 | 68 | Medium priority - Suggest install manhole at Wye and cap the lateral with heavy roots. Check GIS/Locate MH 1630 to complete run. |
| 631-630 | #1 | B57 | S1 | | 28-Dec-05 | Adobe | Low priority - Homeowner problem |
| 632-619 | #1 | B70 | | | 30-Dec-05 | Ransford | |
| 633-520 | #2 | # 27 | S4 | Yes* (Can see MH from defect) | 02/13/2006 | David | 1) Location according to operator: David 663 (sic) downstream to 520. 2) GIS shows 633-520 (511'). 3) This run ends within sight of manhole at 511'. |
| 634-501 | #2 | # 47 | | Yes (Ended at MH) | 04/25/2006 | Sunset | 1) Location according to operator (Run #47): Sunset 635 downstream to 501. 2) GIS shows 635-634 (261'); 634-501 (105'). Note: Run #45 and #46 are of 635-634. Using location 634-501 until verified. |
| 635-634 | #2 | # 45 & 46 | S1 | No (Camera underwater Run #45; Roots Run #46) | 04/25/2006 | Sunset | 1) -20 (8% discrepancy in footage) 2) Location #45: Sunset 635 DS to 634 (10"). #45 abandoned at 62' (camera underwater). 3) Location #46: Sunset 634 DS to 635 (10"). Reverse of prior run. Operator stated should be approximately 200' to sag. #46 abandoned at 180' (roots). 4) GIS: 635-634 (261') is shown as 12" pipe. |
| 636-635 | #2 | # 44 | S2 | Yes (Ended at MH) | 04/25/2006 | Sunset | |
| 637-636 | #2 | # 42 | | Yes (Ended at MH) | 04/24/2006 | Sunset | |
| 638-637 | #2 | # 41 | | Yes (Ended at MH) | 04/24/2006 | Sunset | |
| 639-638 | #2 | # 40 | S3 | Yes (Ended at MH) | 04/24/2006 | Sunset | |
| 640-639 | #2 | # 39 | S1 | Yes (Ended at MH) | 04/24/2006 | Sunset | |
| 641-640 | #2 | # 43 | | Yes (Ended at MH) | 04/25/2006 | Sunset | |
| 642-641 | #2 | # 8 | S4 | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 643-642 | #2 | # 7 | | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 644-643 | #2 | # 6 | S2 | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 645-644 | #2 | # 5 | | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 646-645 | #2 | # 4 | S4 | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 647-646 | #2 | # 3 | S3 | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 648-647 | #2 | # 2 | | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 649-677 | #2 | # 19 | S4 | Yes* (Can see MH from defect) | 04/19/2006 | Forest | Stopped within sight of manhole |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|---|------------|-----------------|---|
| 651-650-649 East | #2 | # 14 | S5 | Yes (Ended at MH) | 04/18/2006 | Forest | Parallel Lines 1) Location #14 - from US MH: Parallel to previous 8" line (Run #13), to the right of the other. VCP 6". 2) MH not on print at 123'. Ended at 499' (within sight of manhole). 3) CCTV shows two DS pipes and possibly two US at MH 651 (see screenshot from Run #12 downstream manhole). 4) GIS shows 651-650 (337' as 6" line); Only one parallel section is shown: 650-649 (153' as 6" line). |
| 651-650-649 West | #2 | # 13, 15, 16 | S5 | Unknown (Location of "new manhole" unclear) | 04/18/2006 | Forest | Parallel Lines 1) Location #13-from US MH: Forest MH 651 to 649; 8" line on the left and heading DS. Ended at 130' (debris) 2) Location #15-from DS MH: 2nd part of #13, new MH intersection Forest & David US to 651 (VCP 8"). Ended at 107' (debris) 3) Location #16: Forest from new MH DS to 649 (8" VCP). Ended at DS MH (260') 4) GIS: parallel 6" lines for 650-649 (153' each) & only one line 651-650 (337'). 5) #13 (131') & #15 (108') would be 251' short of length shown in GIS from MH 651 to MH 649. 6) GIS does not show MH for this line at the intersection of Forest and David. Location of "new manhole" is unclear. |
| 652-651 | #2 | # 12 | S2 | Yes (Ended at MH) | 04/18/2006 | Forest | |
| 653-652 | #2 | # 11 | S3 | Yes (Ended at MH) | 04/18/2006 | Forest | |
| 654-653 | #2 | # 10 | S2 | Yes (Ended at MH) | 04/18/2006 | Forest | |
| 655-654 | #2 | # 9 | S5 | Yes (Ended at MH) | 04/18/2006 | Forest | |
| 656-655 | #2 | # 43 | S4 | Yes (Ended at MH) | 02/24/2006 | 68 | Camera underwater 477' to end of run |
| 657-656 | #1 | B56 | S4 | | 28-Dec-05 | Bishop Ave | Two High priority - some displacement; one Medium priority; two Low priority. |
| 658-657 | #2 | # 53 | S4 | Yes (Ended at MH) | 04/28/2006 | Bishop | |
| 659-656 | #1 | B54 | S4 | Yes (Inspection abandoned. Can see DS MH.) | 27-Dec-05 | Stuart | High priority - slightly displaced; High priority - damaged pipe/sag/offset; two Low priority |
| 660-649 | #2 | # 24 | | Yes (Ended at MH) | 04/20/2006 | David | |
| 663-655 | #2 | # 31 | S5 | Yes (Ended at MH) | 04/21/2006 | Prescott | |
| 663-970 | #2 | # 32 & 33 | S4 | No (Offset joints) | 04/21/2006 | Prescott | 1) -14 (3% discrepancy in footage) 2) Operator: "...offset we got down to on Run #(32)". Footage does not agree with GIS (461' vs 447'). |
| 664-663 | #2 | # 29 | S4 | Yes (Ended at MH) | 04/21/2006 | Prescott | |
| 665-1640-640 | #2 | # 17 & 18 | S5 | Yes (Ended at wye both US and DS) | 04/19/2006 | Sunset | 1) Location #17: Congress 665 DS to 640. #17 ends at 324' at wye. 2) Location #18: 2nd half of #17 with wye. Sunset 640 US to 665. #18 ends at wye at 249' at wye. 3) GIS: 665-1640 (317'); 1640-640 (249'). 4) No manhole shown at 1640. |
| 666-665 | #2 | # 38 | | Yes (Ended at MH) | 02/17/2006 | Congress | +30 (10% discrepancy in footage) |
| 667-666 | #2 | # 37 | S1 | Yes (Ended at MH) | 02/17/2006 | Congress | |
| 668-667 | #2 | # 34 | S4 | Yes (Ended at MH) | 02/16/2006 | New Congress | |
| 669-668 | #2 | # 33 | S3 | Yes (Ended at MH) | 02/16/2006 | Forest Lodge Rd | |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|--|------------|-----------------|--|
| 670-669 | #2 | # 32 | | Yes (Ended at MH) | 02/16/2006 | Forest Lodge Rd | |
| 671-670 | #2 | # 31 | | Yes (Ended at MH) | 02/16/2006 | Forest Lodge Rd | |
| 672-671 | #2 | # 30 | S2 | No (PVC pipe deformed/Too flat for camera) | 02/16/2006 | Forest Lodge Rd | |
| 673-672 | #2 | # 29 | S4 | No (PVC pipe deformed/Too flat for camera) | 02/16/2006 | Forest Lodge Rd | 1) Run #29 (from DS MH): Operator states that cannot [locate] manhole 673 so can't approach ... this from US. (6" PVC). 2) Operator states that pipe is so flat that the wheels of the camera won't turn |
| 674-673 | #2 | # 28 | S4 | No (Obstruction/Failed spot repair) | 02/16/2006 | Forest Lodge Rd | 1) Run #28 (from upstream manhole): Operator states on Run #29 that cannot [locate] manhole 673 so cannot run (674-673) from other direction. |
| 675-586 | #2 | # 69 | S2 | Yes (Ended at MH) | 04/10/2006 | Funston | |
| 677-648 | #2 | # 1 | | Yes (Ended at MH) | 03/22/2006 | Sunset | |
| 678-663 | #2 | # 30 | S2 | Yes* (Can see MH from defect) | 04/21/2006 | Prescott | Run ended two pipe joints short of downstream manhole |
| 680-642 | #2 | # 18 | | Yes (Ended at MH) | 02/03/2006 | Congress | |
| 681-680 | #1 | B48 | | | 22-Dec-05 | Marino Pines | |
| 823-634 | #1 | B72 | S2 | | 30-Dec-05 | Grove Acre | Low priority |
| 824-823 | #1 | B28 & B29 | S5 | No | 15-Dec-05 | Grove Ave | High priority - Needs immediate repair; clean after repair -- incomplete run (severe offset from DS MH, roots from US MH) |
| 938-939 | #2 | # 114 | | Yes (Ended at MH) | 04/14/2006 | 17 Mile Dr | 1) +43 (16% discrepancy in footage) 2) Run #114 (Jan): End inspection at US MH. 43' discrepancy between GIS and CCTV. |
| 939-847 | #1 | B18 | S2 | | 14-Dec-05 | 17 Mile Dr | Low priority |
| 940-939 | #1 | B16 & B17 | S3 | Yes (Completed from US MH) | 14-Dec-05 | 17 Mile Drive | Medium priority - Inspection completed from US MH |
| 941-940 | #1 | B15 | S2 | | 14-Dec-05 | 17 Mile Dr | Low priority |
| 942-941 | #1 | B13 & B14 | | No | 13-Dec-05 | Maple | Clean asap and reinspect |
| 943-942 | #1 | B10 | S4 | No | 13-Dec-05 | Maple | High priority - void with erosion; Repair, clean, complete inspection |
| 944-943 | #1 | B12 | | | 13-Dec-05 | Maple | |
| 945-943 | #1 | B09 | S3 | | 13-Dec-05 | Maple | Medium priority - small void |
| 946-945 | #1 | B07 & B08 | S4 | No | 13-Dec-05 | Maple | High priority - 494' not inspected |
| 947-946 | #1 | B05 | | | 13-Dec-05 | Maple | |
| 948-947 | #1 | B03 & B04 | | No | 13-Dec-05 | Maple | Clean - inspection was completed from US MH; one Medium priority; one Low priority |
| 949-950 | #1 | B19 | S2 | | 14-Dec-05 | Marino Pines | Low priority - not displaced; one Homeowner problem |
| 950-951 | #1 | B20 & B21 | S3 | Yes (Completed from US MH) | 14-Dec-05 | Marino Pines | Medium priority - Inspection completed from US MH |
| 951-952 | #1 | B22 | | | 14-Dec-05 | Marino Pines | |
| 952-638 | #1 | B24 | GIS | | 15-Dec-05 | Walnut | Check GIS |
| 955-1940 | #2 | # 113 | | Yes (Ended at Tie In) | 04/14/2006 | Weldon Grove | 1) Location #114: Weldongrove Place 995 (sic) DS to Tie In on 17 Mile Drive, no MH. Ends at tie in at 181'. 2) GIS shows 955 at Weldongrove Place and 1940 at 17 Mile Drive. MH 995 is at Sunset and Jewell. GIS shows 955-1940 (183'). |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|--|------------|-----------------|--|
| 957-944 | #1 | B11 | | | 13-Dec-05 | Laurie Ct | Reinspect |
| 960-948 | #1 | B02 | S2 | | 13-Dec-05 | Maple | One Low priority; one Homeowner problem |
| 970-971 | #2 | # 34 | S4 | Yes (Ended at MH) | 04/21/2006 | Prescott | |
| 971-651 | #2 | # 35 & 36 | S4 | No (Offset joint Run #35; Steep slope Run #36) | 04/24/2006 | Prescott | Incomplete run due to offset joint and vertical bend. 317' not inspected (79%). |
| 972-660 | #2 | # 25 | | No (Roots) | 04/20/2006 | David | |
| 977-589 | #2 | # 60 | S4 | Yes (Ended at MH) | 04/07/2006 | Hillside | |
| 998-586 | #2 | # 73 | | Yes (Ended at MH) | 04/10/2006 | Presido | |
| 1029-575 | #2 | # 22 | S5 | Yes (Ended at MH) | 04/20/2006 | Forest | 1) -112 (30% discrepancy in footage) 2) Operator (Run #20): "No actual numbers on the plans here so I just named them 575 in David and Forest upstream A, B, C" 3) GIS shows 575 at David and Forest. Line Segments are E575->1030; 1030->1029; 1029->575. |
| 1030-1029 | #2 | # 21 | S4 | Yes (Ended at MH) | 04/19/2006 | Forest | 1) +44 (14% discrepancy in footage) 2) Operator (Run #20): "No actual numbers on the plans here so I just named them 575 in David and Forest upstream A, B, C" 3) GIS shows 575 at David and Forest. Line Segments are E575->1030; 1030->1029; 1029->575. |
| 1034-530 | #2 | # 81 | S3 | Yes (Ended at MH) | 04/11/2006 | Buena Vista | 1) Location according to operator (Run #81): "Buena Vista from the manhole between 530 and 531 which we'll call 530M heading downstream to 530." 2) GIS shows manhole between 530 and 531 as 1034. 1034-530 (242') |
| E028-028 | #2 | # 34 | S5 | No (Offset joint) | 04/06/2006 | 2nd St | |
| E283-283 | #2 | # 2 | | Yes* (Can see MH from defect) | 04/05/2006 | Morse | 1) Location: Morse 283 US to 679. Says 8" in log but 6" on Video. 2) GIS: E283-283 or I283-283 (approx same length 6" VCP). 3) MH 649 is near E283 on different sewer (8" line). Unknown location. 3) +13' (8% discrepancy). Using E283-283. |
| E363-363 | #1 | B31 | S2 | No | 19-Dec-05 | Spazier Dr | Clean and complete inspection; one Low priority; one Homeowner problem |
| E373-373 | #1 | B45 | S3 | No | 20-Dec-05 | 19th Street | Check GIS; Medium priority - slightly displaced top of pipe |
| E439-439 | #1 | A10 | S2 | | 12-Dec-05 | Pedersen Ct | Low priority |
| E526-526 | #2 | # 12 | | Yes* (Can see CO from defect) | 02/02/2006 | Buena Vista | Inspection ended approx 6' from cleanout. Operator states "elevation change in pipe" kept from reaching cleanout. |
| E528A-578 | #2 | # 15 | S2 | Yes (Ended at CO) | 02/03/2006 | Clark | |
| E536-536 | #2 | # 75 | S2 | Yes (Ended at CO) | 04/10/2006 | Austin Ave | |
| E540-540 | #2 | # 83 | S4 | No (Offset joint) | 04/11/2006 | Funston | Operator says manhole is in joint that is offset (PVC). However, there appears to be another offset joint beyond. |
| E542-542 | #2 | # 88 & 89 | S4 | No (Video footage missing from DVD) | 04/13/2006 | Shafter | Video started at 410' - Review not complete. |
| E544-544 | #2 | # 95 | S4 | No (Offset joint) | 04/13/2006 | Lawton | |
| E548-548 | #2 | # 106 | S4 | No (Offset joint) | 04/13/2006 | Miles Ave | |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|----------------------------------|------------|-----------------|---|
| E549-549 | #2 | # 104 & 105 | S4 | No (Roots) | 04/13/2006 | Buena Vista | 1) +94' (15% discrepancy in footage) 2) Operator: "E549 is supposed to be cleanout but is manhole" |
| E558-558 | #2 | # 117 | S3 | Yes* (Can see MH from defect) | 04/14/2006 | Lincoln | Can see end of line from defect |
| E560-560 | #2 | # 54 | S4 | No (Roots) | 04/28/2006 | Miles | |
| E575-1030 | #2 | # 20 | S4 | Yes (Ended at MH) | 04/19/2006 | Forest | 1) +68 (17% discrepancy in footage) 2) Operator (Run #20): "No actual numbers on the plans here so I just named them 575 in David and Forest upstream A, B, C" 3) GIS shows 575 at David and Forest. Line Segments are E575->1030; 1030->1029; 1029->575. |
| E578-578 | #2 | # 14 | | No (Roots) | 02/03/2006 | Clark | |
| E589-589 | #2 | # 59 | S4 | No (Roots) | 04/07/2006 | Hillside | |
| E594-594 | #2 | # 71 | | Yes (Ended at CO) | 04/10/2006 | Benito | 1) -45 (48% discrepancy in footage) 2) Run #71 (Jan): End inspection at cleanout. GIS or CCTV is incorrect. |
| E599-I599 | #2 | # 46 | | No (Pipe size decrease) | 04/06/2006 | Sydia | 1) Location according to operator: Sydia 599 upstream to E599. This run ended at 40' due to roots. 2) GIS shows E599-I599 (41'); I599-599 (50'). 3) Location needs to be identified. |
| E600-600 | #2 | # 44 | S4 | No (Offset joint) | 04/06/2006 | Ransford | |
| E603-603 | #2 | # 111 | S2 | Yes (Ended at CO) | 04/14/2006 | Piedmont | +8 (6% discrepancy in footage) |
| E604-604 | #2 | # 64 | | No (Roots) | 04/07/2006 | Piedmont | |
| E607-607 | #2 | # 43 | | Yes (Ended at CO) | 04/06/2006 | Piedmont | |
| E612-612 | #2 | # 36 | | Yes (Ended at CO) | 04/06/2006 | Sydia Dr | |
| E617-617 | #2 | # 49 | | No (Roots) | 02/24/2006 | Arkwright Ct | |
| E623-623 | #2 | # 22 | S5 | Yes (Ended at CO) | 04/05/2006 | Ransford | 1) -13 (8% discrepancy in footage) 2) Run #22 (Jan): End inspection at cleanout according to operator. Roots very heavy. Cannot see cleanout. GIS or CCTV is incorrect. |
| E632-632 | #1 | B69 | S2 | | 29-Dec-05 | Ransford | Low priority |
| E664-664 | #2 | # 27 | S5 | No (Displaced fracture at joint) | 04/21/2006 | Prescott | |
| E824-824 | #1 | B27 | S2 | No | 15-Dec-05 | Walnut | |
| E845A-845 | #1 | A02 | S1 | | 12-Dec-05 | Sinex Ave | Clean line and reinspect; one Homeowner problem |
| E850-969 | #1 | A01 | GIS | | 12-Dec-05 | Day Cir | Check GIS |
| E947-947 | #1 | B06 | S1 | | 13-Dec-05 | Maple | Low priority - Homeowner problem |
| E952-952 | #1 | B23 | S4 | No | 15-Dec-05 | Walnut | High priority - 52' not inspected |
| E960-960 | #1 | B01 | S3 | No | 13-Dec-05 | Cedar | Clean and reinspect; one Medium priority; two Low priority; one Homeowner problem. |
| E998-998 | #2 | # 72 | | No (Roots) | 04/10/2006 | Presido | |
| I262-262 | #2 | # 30 | S4 | Yes (Ended at CO) | 04/06/2006 | Hillcrest | |
| I262B-262 | #2 | # 31 | S4 | No (Intruding lateral) | 04/06/2006 | Hillcrest | |
| I268-268 | #2 | # 20 | | Yes (Ended at CO) | 04/05/2006 | 14th Ave | -11 (6% discrepancy in footage) |
| I273-273 | #2 | # 51 | S4 | Yes (Ended at CO) | 04/26/2006 | Morse | |
| I273-273 | #1 | B73 | S2 | No | 30-Dec-05 | Morse Dr | Clean and reinspect (180' not inspected); one Low priority |
| I275-275 | #2 | # 13 | | Yes (Ended at CO) | 04/05/2006 | Fountain | |
| I283-283 | #2 | # 1 | S2 | Yes (Ended at CO) | 04/05/2006 | Morse | CCTV header said "Watsonville" |

| Line Segment US-DS | Report Number | CCTV Run Numbers | Highest Structural Priority | Complete Run? | CCTV Date | Street/Location | Comments/Spot Repairs |
|--------------------|---------------|------------------|-----------------------------|--|------------|-----------------|---|
| I456-456 | #1 | B25 | | No | 15-Dec-05 | Walnut | Reinspect/Contact Greenline - Greenline provided screenshot from 86', but video ended at 26'. |
| I528-528 | #2 | # 10 | | Yes (Ended at CO) | 02/02/2006 | Buena Vista | -9 (9% discrepancy in footage) |
| I535-534 | #2 | # 49 | S5 | No (Offset joint and location unclear) | 04/26/2006 | Austin Ave | 1) Location: Austin Ave 535 DS to 534. Operator noted location of cleanout at 71' but did not log. Ends at 307' within view of MH. 2) GIS: 535-I535 (60'); I535-534 (349'). GIS shows 535-534 should be 409'. Unknown CCTV location. 3) Run #49 (Mar-Apr): Operator logged as multiple fractures at 27' - line is in excellent condition at 27'. MH numbers match run. Date is the same - time is 10 minutes later on the screenshots with defect. Unknown location of CCTV. |
| I610-610 | #2 | # 38 | S4 | No (Offset joint) | 04/06/2006 | Sydia Dr | |
| I630-629 | #1 | B59 | S4 | No | 28-Dec-05 | 68 | High priority - slightly displaced; Incomplete inspection; one Medium priority; one Low priority |
| I632-632 | #1 | B68 | | | 29-Dec-05 | Pine Circle | |
| I658-658 | #1 | B55 | S4 | No | 28-Dec-05 | Bishop Ave | High priority - incomplete inspection (clean before reinspect); one Medium priority; one Low priority |
| I659-659 | #1 | B53 | S4 | No | 22-Dec-05 | Stuart | High priority - incomplete run; three Medium priority; one Low priority |
| I660-660 | #2 | # 26 | S5 | No (Roots) | 04/20/2006 | David | |
| I664-664 | #2 | # 28 | S3 | No (Pipe bends left) | 04/21/2006 | Prescott | GIS shows line segment to be 393'. CCTV ended at 92'. |
| I675-675 | #2 | # 68 | S1 | Yes (Ended at CO) | 04/07/2006 | Funston | +20 (7% discrepancy in footage) |

APPENDIX 4C

2013 CCTV Inspections

City Of Pacific Grove CCTV Sewer Mains: FY 2012-2013

| Map Page | Street | From Street | To Street | Footage | M/H # | M/H # |
|-----------|-------------------|---------------|---------------|---------|-------|-------|
| A-2 | Quarter Deck | Balboa | Spray | 406 | 772 | E772 |
| B-2 | Rail Road Way | Rail Road Way | Rail Road Way | 240 | 890 | 888 |
| B-2 | Jewell | 17 Mile Drive | Del Monte | 373 | 783 | 782 |
| C-2 | Bayview | Del Monte | Cedar | 300 | 470 | 1470 |
| C-2 | Short | Ridge | Short | 238 | 869 | E869 |
| C-3 | Cypress | Short | Laurel | 340 | 390 | 389 |
| C-3 | Carmel | Central | Oceanview | 486 | 213 | 204 |
| D-2 | Dennett | Dennett | Sinex | 259 | 927 | 843 |
| D-2 | Alder | Gibson | Junipero | 363 | 935 | 934 |
| D-2 | Wood | Junipero | Spruce | 354 | 406 | 405 |
| D-2 | Lobos | Junipero | Spruce | 355 | 400 | 399 |
| D-3 | Forest | Spruce | Pine | 374 | 312 | 311 |
| D-4 | Sloat | Sloat | Eardley | 335 | 006 | 010 |
| D-2 | Maple | Maple | 17 Mile Drive | 171 | 942 | 941 |
| D-2 | 17 Mile Drive | 17 Mile Drive | Weiden Grove | 337 | 941 | 940 |
| D-3 | 16th Street | Sinex | Gibson | 327 | E321 | 321 |
| D-3 | 16th Street | Gibson | Junipero | 360 | 321 | 320 |
| D-3 | 14th Street | 14th Street | Gibson | 186 | 256 | 255 |
| D-2 | Congress | Sinex | Rosemont | 316 | 379 | 378 |
| D-3 | 14th Street | 14th Street | alley | 147 | 247 | 246 |
| E-2 | Spazier | Congress | 19th Street | 425 | 381 | E381 |
| F-3 | Stewart | Stewart | Bishop | 365 | 659 | 1657 |
| F-3 | Bishop | Bishop | Bishop | 150 | 627 | E627 |
| F-3 | Bishop | Bishop | Stewart | 237 | 657 | 656 |
| G-1 | Ortega | Ortega | David | 232 | 520 | 519 |
| G-1 | Funston | Funston | Buena Vista | 275 | 538 | 529 |
| D-3 | 9th Street | Pine | Laurel | 375 | 128 | 127 |
| C-4 | Monterey | Oceanview | Central | 439 | 101 | 102 |
| B-2 / B-3 | Siren | Siren | Ripple | 320 | 774 | 1774A |
| D-2 | Congress | Rosemont | Hillcrest | 378 | 380 | 379 |
| F-2 | Forest Hill Blvd. | Ransford | Ransford | 506 | 620 | 621 |
| F-2 | Forest Hill Blvd. | Ransford | Ransford | 375 | 619 | 620 |

APPENDIX 4D

Contract with Green Line for Sewer Cleaning

PUBLIC WORKS AGREEMENT FOR PROFESSIONAL SERVICES WITH GREEN LINE, A
SUBSIDIARY OF LF & GW CORPORATION, FOR CITY WIDE SANITARY SEWER SYSTEM
HYDROFLUSH CLEANING AND TREE ROOT REMOVAL

This Professional Services Agreement ("Agreement") is made by and between the City of Pacific Grove, a political subdivision of the State of California (hereinafter "City") and Green Line, A Subsidiary Of LF & GW Corporation, (hereinafter "CONTRACTOR") for city wide sanitary sewer system hydroflush cleaning and tree root removal.

In consideration of the mutual covenants and conditions set forth in this Agreement, the parties agree as follows:

1. **SERVICES TO BE PROVIDED.** The City hereby engages CONTRACTOR to perform, and CONTRACTOR hereby agrees to perform, the services described in **Exhibit A** in conformity with the terms of this Agreement. The services are generally described as follows: City wide sanitary sewer system hydroflush cleaning, tree root removal and emergency call-out services, to hydroflush at rate of \$0.63 per linear foot and to do tree root removal at rate of \$0.85 per linear foot, as well as an emergency call out work rate of \$240 per hour with a 3 hour minimum after 4:30pm weekdays and weekends and a holiday rate of \$305.00 per hour with a 3 hour minimum.
2. **PAYMENTS BY CITY.** City shall pay the CONTRACTOR in accordance with the payment provisions set forth in **Exhibit A**, subject to the limitations set forth in this Agreement. The total amount payable by City to CONTRACTOR under this Agreement shall not exceed \$200,000 per fiscal year, for two years.
3. **TERM OF AGREEMENT.** The term of this Agreement is from July 23, 2012 through June 30, 2014 unless sooner terminated pursuant to the terms of this Agreement. This Agreement is of no force or effect until signed by both CONTRACTOR and City and with City signing last.
4. **ADDITIONAL PROVISIONS/EXHIBITS.** The following attached exhibits are incorporated herein by reference and constitute a part of this Agreement:

Exhibit A- Scope of Services/Payment Provisions

5. **PERFORMANCE STANDARDS.**

5.01. CONTRACTOR warrants that CONTRACTOR and CONTRACTOR's agents, employees, and subcontractors performing services under this Agreement are specially trained, experienced, competent, and appropriately licensed to perform the work and deliver the services required under this Agreement and are not employees of the City, or immediate family of an employee of the City.

5.02. CONTRACTOR, its agents, employees, and subcontractors shall perform all work in a safe and skillful manner and in compliance with all applicable laws and regulations. All work performed under this Agreement that is required by law to be performed or supervised by licensed personnel shall be performed in accordance with such licensing requirements.

5.03. CONTRACTOR shall furnish, at its own expense, all materials, equipment, and personnel necessary to carry out the terms of this Agreement, except as otherwise specified in this Agreement. CONTRACTOR

shall not use City premises, property (including equipment, instruments, or supplies) or personnel for any purpose other than in the performance of its obligations under this Agreement.

6. PAYMENT CONDITIONS.

6.01. CONTRACTOR shall submit to the Contract Administrator an invoice on a form acceptable to City. If not otherwise specified, the CONTRACTOR may submit such invoice periodically or at the completion of services, but in any event, not later than 30 days after completion of services. The invoice shall set forth the amounts claimed by CONTRACTOR for the previous period, together with an itemized basis for the amounts claimed, and such other information pertinent to the invoice as the City may require. The Contract Administrator or his or her designee shall certify the invoice; either in the requested amount or in such other amount as the City approves in conformity with this Agreement, and shall promptly submit such invoice to the City Administrative Services Director for payment. The City Administrative Services Director shall pay the amount certified within 30 days of receiving the certified invoice.

6.02. CONTRACTOR shall not receive reimbursement for travel expenses unless set forth in this Agreement.

7. TERMINATION.

7.01. During the term of this Agreement, the City may terminate the Agreement for any reason by giving written notice of termination to the CONTRACTOR at least fourteen (14) days prior to the effective date of termination. Such notice shall set forth the effective date of termination. In the event of such termination, the amount payable under this Agreement shall be reduced in proportion to the services provided prior to the date of termination.

7.02. The City may cancel and terminate this Agreement for good cause effective immediately upon written notice to CONTRACTOR. "Good cause" includes the failure of CONTRACTOR to perform the required services at the time and in the manner provided under this Agreement. If City terminates this Agreement for good cause, the City may be relieved of the payment of any consideration to CONTRACTOR, and the City may proceed with the work in any manner which City deems proper. The cost to the City shall be deducted from any sum due the CONTRACTOR under this Agreement.

8. **INDEMNIFICATION.** CONTRACTOR shall indemnify, defend, and hold harmless the City, its officers, agents, and employees, from and against any and all claims, liabilities, and losses whatsoever (including damages to property and injuries to or death of persons, court costs, and reasonable attorneys' fees) occurring or resulting to any and all persons, firms or corporations furnishing or supplying work, services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims, liabilities, and losses occurring or resulting to any person, firm, or corporation for damage, injury, or death arising out of or connected with the CONTRACTOR's performance of this Agreement, unless such claims, liabilities, or losses arise out of the sole negligence or willful misconduct of the City. "CONTRACTOR's performance" includes CONTRACTOR's action or inaction and the action or inaction of CONTRACTOR's officers, employees, agents and subcontractors.

9. INSURANCE.

9.01. Insurance Coverage Requirements: Without limiting CONTRACTOR's duty to indemnify, CONTRACTOR shall maintain in effect throughout the term of this Agreement a policy or policies of insurance with the following minimum limits of liability:

Commercial general liability insurance, including but not limited to premises and operations, including coverage for Bodily Injury and Property Damage, Personal Injury, Contractual Liability, Broadform Property Damage, Independent Contractors, Products and Completed Operations, with a combined single limit for Bodily Injury and Property Damage of not less than \$1,000,000 per occurrence.

Exemption/Modification (Justification attached; subject to approval).

Business automobile liability insurance, covering all motor vehicles, including owned, leased, non-owned, and hired vehicles, used in providing services under this Agreement, with a combined single limit for Bodily Injury and Property Damage of not less than \$500,000 per occurrence.

Exemption/Modification (Justification attached; subject to approval).

Workers' Compensation Insurance, if CONTRACTOR employs others in the performance of this Agreement, in accordance with California Labor Code section 3700 and with Employer's Liability limits not less than \$1,000,000 each person, \$1,000,000 each accident and \$1,000,000 each disease.

Exemption/Modification (Justification attached; subject to approval).

Professional liability insurance, if required for the professional services being provided, (e.g., those persons authorized by a license to engage in a business or profession regulated by the California Business and Professions Code), in the amount of not less than \$1,000,000 per claim and \$2,000,000 in the aggregate, to cover liability for malpractice or errors or omissions made in the course of rendering professional services. If professional liability insurance is written on a "claims-made" basis rather than an occurrence basis, the CONTRACTOR shall, upon the expiration or earlier termination of this Agreement, obtain extended reporting coverage ("tail coverage") with the same liability limits. Any such tail coverage shall continue for at least three years following the expiration or earlier termination of this Agreement.

Exemption/Modification (Justification attached; subject to approval).

9.02. Other Insurance Requirements. All insurance required by this Agreement shall be with a company acceptable to the City and issued and executed by an admitted insurer authorized to transact Insurance business in the State of California. Unless otherwise specified by this Agreement, all such insurance shall be written on an occurrence basis, or, if the policy is not written on an occurrence basis, such policy with the coverage required herein shall continue in effect for a period of three years following the date CONTRACTOR completes its performance of services under this Agreement.

Each liability policy shall provide that the City shall be given notice in writing at least thirty days in advance of any endorsed reduction in coverage or limit, cancellation, or intended non-renewal thereof. Each policy shall provide coverage for Contractor and additional insureds with respect to claims arising from each subcontractor, if any, performing work under this Agreement, or be accompanied by a certificate of insurance from each subcontractor showing each subcontractor has identical insurance coverage to the above requirements.

Commercial general liability and automobile liability policies shall provide an endorsement naming the City of Pacific Grove, its officers, agents, and employees as Additional Insureds with respect to liability arising out of the CONTRACTOR'S work, including ongoing and completed operations, and shall further provide that such insurance is primary insurance to any insurance or self-insurance maintained by the City and that the insurance of the Additional Insureds shall not be called upon to contribute to a loss covered by the CONTRACTOR'S insurance. The required endorsement form for Commercial General Liability Additional Insured is ISO Form CG 20 10 11-85 or CG 20 10 10 01 in tandem with CG 20 37 10 01 (2000). The required endorsement form for Automobile Additional Insured endorsement is ISO Form CA 20 48 02 99.

Prior to the execution of this Agreement by the City, CONTRACTOR shall file certificates of insurance with the City's contract administrator and City's Contracts/Purchasing Division, showing that the CONTRACTOR has in effect the insurance required by this Agreement. The CONTRACTOR shall file a new or amended certificate of insurance within five calendar days after any change is made in any insurance policy which would alter the information on the certificate then on file. Acceptance or approval of insurance shall in no way modify or change the indemnification clause in this Agreement, which shall continue in full force and effect.

CONTRACTOR shall at all times during the term of this Agreement maintain in force the insurance coverage required under this Agreement and shall send, without demand by City, annual certificates to City's Contract Administrator and City's Contracts/Purchasing Division. If the certificate is not received by the expiration date, City shall notify CONTRACTOR and CONTRACTOR shall have five calendar days to send in the certificate, evidencing no lapse in coverage during the interim. Failure by CONTRACTOR to maintain such insurance is a default of this Agreement which entitles City, at its sole discretion, to terminate this Agreement immediately.

10. RECORDS AND CONFIDENTIALITY.

10.01. Confidentiality. CONTRACTOR and its officers, employees, agents, and subcontractors shall comply with any and all federal, state, and local laws which provide for the confidentiality of records and other information. CONTRACTOR shall not disclose any confidential records or other confidential information received from the City or prepared in connection with the performance of this Agreement, unless City specifically permits CONTRACTOR to disclose such records or information. CONTRACTOR shall promptly transmit to City any and all requests for disclosure of any such confidential records or information. CONTRACTOR shall not use any confidential information gained by CONTRACTOR in the performance of this Agreement except for the sole purpose of carrying out CONTRACTOR's obligations under this Agreement.

10.02. City Records. When this Agreement expires or terminates, CONTRACTOR shall return to City any City records which CONTRACTOR used or received from City to perform services under this Agreement.

10.03. Maintenance of Records. CONTRACTOR shall prepare, maintain, and preserve all reports and records that may be required by federal, state, and City rules and regulations related to services performed under this Agreement. CONTRACTOR shall maintain such records for a period of at least three years after receipt of final payment under this Agreement. If any litigation, claim, negotiation, audit exception, or other action relating to this Agreement is pending at the end of the three year period, then CONTRACTOR shall retain said records until such action is resolved.

10.04. Access to and Audit of Records. The City shall have the right to examine, monitor and audit all records, documents, conditions, and activities of the CONTRACTOR and its subcontractors related to services provided under this Agreement. Pursuant to Government Code section 8546.7, if this Agreement involves the expenditure of public funds in excess of \$10,000, the parties to this Agreement may be subject, at the request of the City or as part of any audit of the City, to the examination and audit of the State Auditor pertaining to matters connected with the performance of this Agreement for a period of three years after final payment under the Agreement.

10.05. Royalties and Inventions. City shall have a royalty-free, exclusive and irrevocable license to reproduce, publish, and use, and authorize others to do so, all original computer programs, writings, sound recordings, pictorial reproductions, drawings, and other works of similar nature produced in the course of or under this Agreement. CONTRACTOR shall not publish any such material without the prior written approval of City.

11. NON-DISCRIMINATION. During the performance of this Agreement, CONTRACTOR, and its subcontractors, shall not unlawfully discriminate against any person because of race, religious creed, color, sex, national origin, ancestry, physical disability, mental disability, medical condition, marital status, age (over 40), or sexual orientation, either in CONTRACTOR's employment practices or in the furnishing of services to recipients. CONTRACTOR shall ensure that the evaluation and treatment of its employees and applicants for employment and all persons receiving and requesting services are free of such discrimination. CONTRACTOR and any subcontractor shall, in the performance of this Agreement, fully comply with all federal, state, and local laws and regulations which prohibit discrimination. The provision of services primarily or exclusively to such target population as may be designated in this Agreement shall not be deemed to be prohibited discrimination.

12. COMPLIANCE WITH TERMS OF STATE OR FEDERAL GRANT. If this Agreement has been or will be funded with monies received by the City pursuant to a contract with the state or federal government in which the City is the grantee, CONTRACTOR will comply with all the provisions of said contract, to the extent applicable to CONTRACTOR as a subgrantee under said contract, and said provisions shall be deemed a part of this Agreement, as though fully set forth herein. Upon request, City will deliver a copy of said contract to CONTRACTOR, at no cost to CONTRACTOR.

13. INDEPENDENT CONTRACTOR. In the performance of work, duties, and obligations under this Agreement, CONTRACTOR is at all times acting and performing as an independent contractor and not as an employee of the City. No offer or obligation of permanent employment with the City or particular City department or agency is intended in any manner, and CONTRACTOR shall not become entitled by virtue of this Agreement to receive from City any form of employee benefits including but not limited to sick leave, vacation, retirement benefits, workers' compensation coverage, insurance or disability benefits. CONTRACTOR shall be solely liable for and obligated to pay directly all applicable taxes, including federal and state income taxes and social security, arising out of CONTRACTOR's performance of this Agreement. In connection therewith, CONTRACTOR shall defend, indemnify, and hold City harmless from any and all liability which City may incur because of CONTRACTOR's failure to pay such taxes.

14. NOTICES. Notices required under this Agreement shall be delivered personally or by first-class, postage pre-paid mail to the City's and CONTRACTOR'S contract administrators at the addresses listed below:

| | |
|---|--|
| <p>FOR CITY: Tom Frutchey, City Manager 300 Forest Ave. Pacific Grove, CA 93950 (831) 648-3100</p> | <p>FOR CONTRACTOR: David Phillips Owner-President 1128-A Madison Lane Salinas, CA 93907 (831) 649-6388</p> |
| <p>Sarah Hardgrave Environmental Programs Manager 2100 Sunset Dr. Pacific Grove, CA 93950 (831) 648-5722 ext. 203</p> | |

15. MISCELLANEOUS PROVISIONS.

15.01. Conflict of Interest. CONTRACTOR represents that it presently has no interest and agrees not to acquire any interest during the term of this Agreement which would directly or indirectly conflict in any manner or to any degree with the full and complete performance of the professional services required to be rendered under this Agreement.

15.02. Amendment. This Agreement may be amended or modified only by an instrument in writing signed by the City and the CONTRACTOR.

15.03. Waiver. Any waiver of any terms and conditions of this Agreement must be in writing and signed by the City and the CONTRACTOR. A waiver of any of the terms and conditions of this Agreement shall not be construed as a waiver of any other terms or conditions in this Agreement.

15.04. Contractor. The term "CONTRACTOR" as used in this Agreement includes CONTRACTOR's officers, agents, and employees acting on CONTRACTOR's behalf in the performance of this Agreement.

15.05. Disputes. CONTRACTOR shall continue to perform under this Agreement during any dispute. Contractor and the CITY hereby agree to make good faith efforts to resolve disputes as quickly as possible. In the event any dispute arising from or related to this Agreement results in litigation or arbitration, the prevailing party shall be entitled to recover all reasonable costs incurred, including court costs, attorney fees, expenses for expert witnesses (whether or not called to testify), expenses for accountants or appraisers (whether or not called to testify), and other related expenses. Recovery of these expenses shall be as additional costs awarded to the prevailing party, and shall not require initiation of a separate legal proceeding.

15.06. Assignment and Subcontracting. The CONTRACTOR shall not assign, sell, or otherwise transfer its interest or obligations in this Agreement without the prior written consent of the City. None of the services covered by this Agreement shall be subcontracted without the prior written approval of the City. Notwithstanding any such subcontract, CONTRACTOR shall continue to be liable for the performance of all requirements of this Agreement.

15.07. Successors and Assigns. This Agreement and the rights, privileges, duties, and obligations of the City and CONTRACTOR under this Agreement, to the extent assignable or delegable, shall be binding upon and inure to the benefit of the parties and their respective successors, permitted assigns, and heirs.

15.08. Compliance with Applicable Law. The parties shall comply with all applicable federal, state, and local laws and regulations in performing this Agreement.

15.09. Headings. The headings are for convenience only and shall not be used to interpret the terms of this Agreement.

15.10. Time is of the Essence. Time is of the essence in each and all of the provisions of this Agreement.

15.11. Governing Law. This Agreement shall be governed by and interpreted under the laws of the State of California.

15.12. Non-exclusive Agreement. This Agreement is non-exclusive and both City and CONTRACTOR expressly reserve the right to contract with other entities for the same or similar services.

15.13. Construction of Agreement. The City and CONTRACTOR agree that each party has fully participated in the review and revision of this Agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this Agreement or any amendment to this Agreement.

15.14. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same Agreement.

15.15. Authority. Any individual executing this Agreement on behalf of the City or the CONTRACTOR represents and warrants hereby that he or she has the requisite authority to enter into this Agreement on behalf of such party and bind the party to the terms and conditions of this Agreement.

15.16. Integration. This Agreement, including the exhibits and any documents incorporated by reference, represent the entire Agreement between the City and the CONTRACTOR with respect to the subject matter of this Agreement and shall supersede all prior negotiations, representations, or agreements, either written or oral, between the City and the CONTRACTOR as of the effective date of this Agreement, which is the date that the City signs the Agreement.

15.17. Interpretation of Conflicting Provisions. In the event of any conflict or inconsistency between the provisions of this Agreement and the Provisions of any exhibit or other attachment to this Agreement, the provisions of this Agreement shall prevail and control.

15.18 Severability. If any of the provisions contained in the Contract are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions shall not be impaired thereby. Limitations of liability and indemnities shall survive termination of the Contract for any cause. If a part of this Contract is valid, all valid parts that are severable from the invalid part remain in effect. If a part of this Contract is invalid in one or more of its applications, the part remains in effect in all valid applications that are severable from the invalid applications.

This space is left blank, intentionally.

IN WITNESS WHEREOF, City and CONTRACTOR have executed this Agreement as of the day and year written below.

CITY OF PACIFIC GROVE

By: Thomas Frutchey
Thomas Frutchey, Purchasing Agent

Date: 8-8-12

By: Sarah Hardgrave
Sarah Hardgrave, Environmental Programs Manager

Date: 8-2-12

Approved as to Form

By: David C. Laredo
David C. Laredo, City Attorney

Date: 8/8/2012

CONTRACTOR

Green Line, a Subsidiary of LF & GW Corporation

By: David Phillips
David Phillips

owner President
Owner-President

Date: 8-1-2012

By: Kimberly A Phillips
(Signature of Secretary, Asst. Secretary, CFO, or Asst. Treasurer)*
Kimberly A Phillips
SECRETARY - TREASURER
Name and Title

Date: 8-1-2012

*INSTRUCTIONS: If CONTRACTOR is a corporation, including limited liability and non-profit corporations, the full legal name of the corporation shall be set forth above together with the signatures of two specified officers. If CONTRACTOR is a partnership, the name of the partnership shall be set forth above together with the signature of a partner who has authority to execute this Agreement on behalf of the partnership. If CONTRACTOR is contracting in an individual capacity, the individual shall set forth the name of the business, if any, and shall personally sign the Agreement.

EXHIBIT A

SCOPE OF SERVICE/PAYMENT PROVISIONS

CONTRACTOR shall provide city wide sanitary sewer system hydroflush cleaning, tree root removal and emergency call-out services, to hydroflush at rate of \$0.63 per linear foot and to do tree root removal at rate of \$0.85 per linear foot, as well as an emergency call out work rate of \$240 per hour with a 3 hour minimum after 4:30pm weekdays and weekends and a holiday rate of \$305.00 per hour with a 3 hour minimum, with the following requirements and conditions:

- A. The CONTRACTOR shall furnish all labor, materials, tools and equipment necessary to clean sanitary sewer manholes & pipelines in a safe, timely and workmanlike manner.
- B. CONTRACTOR shall be responsible for scheduling monthly work plan update with the Public Works Environmental Programs Manager and Wastewater Division Field Supervisor to provide a map and list of lines cleaned or root cut and to receive direction and schedule for the coming month.
- C. All work performed, methods, and equipment used shall be in conformance with the prevailing state and federal occupational safety and health act. Costs from delays and losses due to operations not in conformance to these acts, specifications, or stoppages by OSHA inspectors or the designated representative, as a result of non-conformance, shall be solely borne by the contractor.
- D. The CONTRACTOR shall be solely responsible for traffic control in accordance with Manual of Work Area Traffic Control Handbook, 2009 Edition. At a minimum, placement of adequate pre-warning and detour signs to control vehicular and pedestrian traffic shall be required. Contractor shall submit a traffic control plan to the project manager and city traffic engineer for review and approval prior to commencement of work.
- E. All manholes shall be treated as confined spaces. The entry of manholes, for cleaning and inspection, shall be avoided when possible. Use of mechanical devices or equipment to remove material from pipelines and manholes should be utilized whenever possible. If entry to confined spaces is necessary, all Cal-OSHA and title 8 requirements shall be followed.
- F. The CONTRACTOR shall be responsible for performing the cleaning of the sanitary sewer system for the project using the Best Management Practices specified in the City's Sewer System Management Plan. The intent of sewer line cleaning is to remove all sludge, dirt, sand, rocks, grease, and other solids or semisolid material from the pipe. Sewer cleaning shall be performed with a hydraulically propelled high-velocity jet. The equipment shall be capable of removing tree roots, dirt, grease, rocks, sand and other materials and obstructions from the sewer lines and manholes. As a minimum, jetting of lines must be performed by pulling the high velocity spray nozzle in the direction opposite to the force created by the water pressure. The CONTRACTOR may propose an alternate method of cleaning the sewer lines at no extra cost to the city, which city may approve or deny in its sole discretion. Such alternative method must be approved in writing by the city prior to implementation.
- G. The CONTRACTOR shall use precautions to ensure that the water pressure created by the cleaning operations does not damage or cause flooding of public or private property. Also, CONTRACTOR shall

take precautions in the use of cleaning equipment, so as to prevent damage to the existing pipe and manholes. The CONTRACTOR shall be responsible for all costs involved in damage to public or private property through its cleaning operation. Any damage to the pipe shall be repaired by the CONTRACTOR immediately at no cost to the city.

- H. The designated sanitary sewer sections shall be cleaned using hydraulically propelled, high-velocity jet equipment. Selection of the equipment used shall be based on the conditions of the lines at the time the work commences. The equipment and methods selected shall be in accordance with industry and the city's best management practices. The equipment shall be capable of removing tree roots, dirt, grease, rocks, sand, and other materials and obstructions in the sewer lines and manholes. If cleaning of the entire section cannot be successfully performed from one manhole, then the equipment shall be set up at the upstream manhole and cleaning attempted again.
- I. The following is a list of equipment that will not be allowed to be used:
 - 1. Hydraulically propelled equipment: sewer balls or movable dam
 - 2. Mechanically powered equipment: bucket machines
- J. The following is a list of cleaning equipment that will be allowed, depending upon the application:
 - 1. High-velocity hydraulic (hydro-cleaning) equipment: all high-velocity sewer cleaning equipment shall be constructed for ease and safety of operation. The equipment shall have a minimum working pressure of 2000 psi at a 30-gpm rate. The nozzles shall be capable of producing a scouring action, in the lines designated to be cleaned, to remove debris and sand from the flow line. Equipment shall also include a high-velocity jetter for washing and scouring manhole walls and floors. The jetter shall be capable of producing flows from a fine spray to a solid stream. The equipment shall carry a nominal 1000 gallon minimum water tank, auxiliary engines, pumps, and hydraulically driven hose reel. The equipment shall have a minimum of 650 feet of high-pressure hose.
 - 2. Root removal equipment: hydraulic or mechanical driven cutters may be used as necessary to remove root intrusion. Chain flail nozzles and warthog type nozzles may be used for root removal.
- J. As a condition of compliance the CONTRACTOR shall obtain the required permits for a meter to access to water from fire hydrants by Monterey Peninsula Water Management District (MPWMD) and Cal American Water (CalAm).
- K. The CONTRACTOR shall be available for emergency callouts, in addition to ongoing line cleaning activities.
- L. As needed, CONTRACTOR shall provide CCTV services of sewer and/or stormdrain lines to investigate the condition of the facilities and to identify possible areas of cross connections.

City shall pay CONTRACTOR up to, but not to exceed, \$200,000 per fiscal year for two years in accord with the terms of the Section 6.01 of this Agreement for completion of all work specified above.

APPENDIX 4E

Line Cleaning Documents

Weekly Sewer Cleaning Report: August 8-12, 2011
Weekly Chemical Root Control Report: May 9-13, 2011
Weekly Manhole Inspections Report: October 17-21, 2011
Line Maintenance Report: 2013

Weekly Sanitary sewer Report

Week of Aug 8th - 12th

5,363 feet cleaned

2011

Scheduled Cleaning: HYDRO

Scheduled Date:

WO# _____ Structure Up: _____ Structure Down: _____ Map Page: _____ Frequency: _____ Months

Street: _____ Length: _____ Material: _____ Size: _____ Vehical #: _____

Special Instructions:

Personnel:

| OBSERVATION | LIGHT | MED | HEAVY | |
|----------------|-------|-----|-------|--|
| ROOTS | | | | |
| GREASE | | | | |
| DEBRIS | | | | |
| OTHER | | | | |
| Specify Other* | | | | |

Completion Date: _____

Start Time: _____

End Time: _____

Recommended TV Inspection.....

Recommended Foam Treat.....

Recommended Repair.....

Recommended Other.....

Specify Other: _____

Change Frequency: _____

Cleaning History:

| Insp Date | Amount | Debris |
|-----------|--------|--------|
| | | |
| | | |
| | | |
| | | |

Scheduled Cleaning: HYDRO

Scheduled Date:

WO# _____ Structure Up: _____ Structure Down: _____ Map Page: _____ Frequency: _____ Months

Street: _____ Length: _____ Material: _____ Size: _____ Vehical #: _____

Special Instructions:

Personnel:

| OBSERVATION | LIGHT | MED | HEAVY | |
|----------------|-------|-----|-------|--|
| ROOTS | | | | |
| GREASE | | | | |
| DEBRIS | | | | |
| OTHER | | | | |
| Specify Other* | | | | |

Completion Date: _____

Start Time: _____

End Time: _____

Recommended TV Inspection.....

Recommended Foam Treat.....

Recommended Repair.....

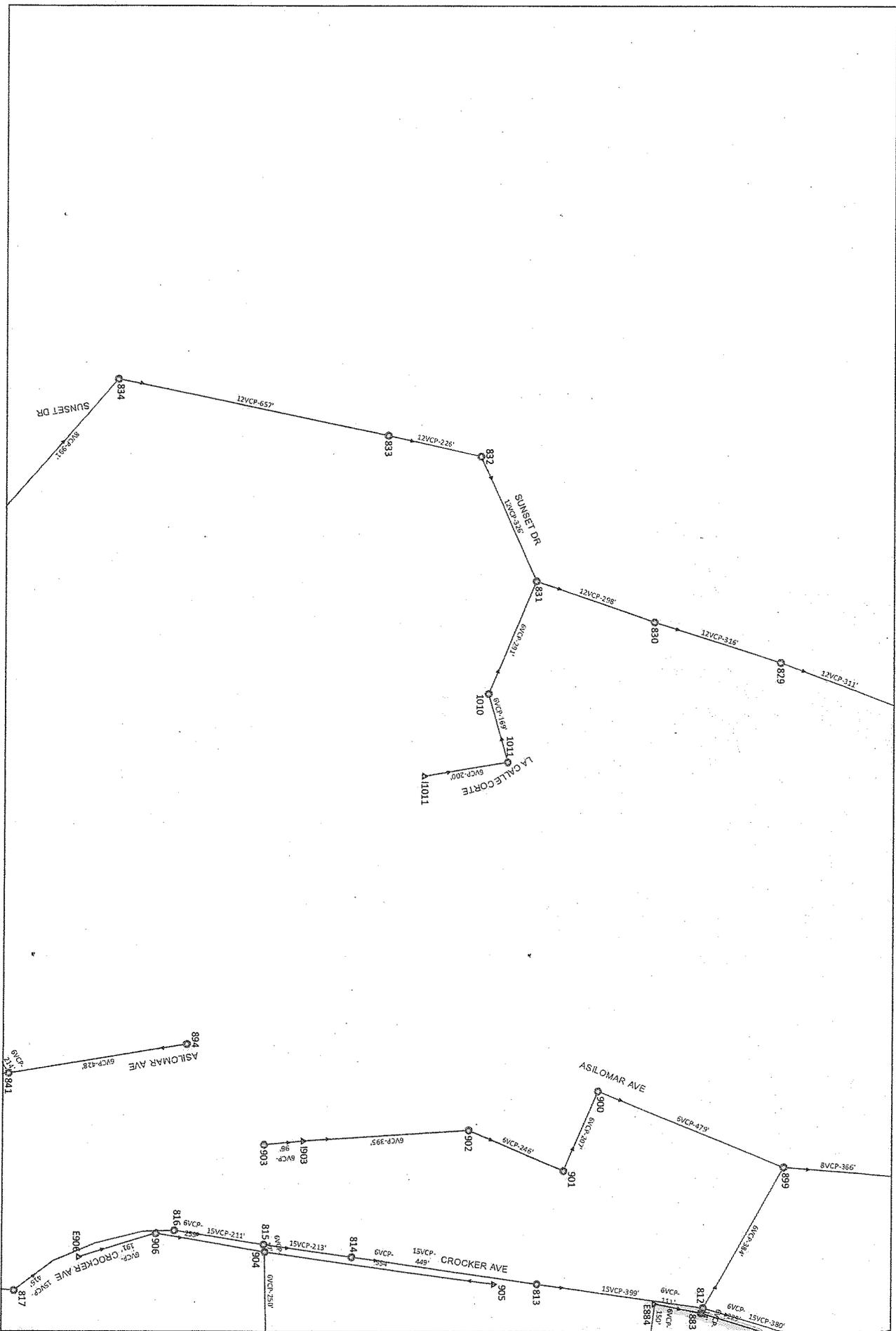
Recommended Other.....

Specify Other: _____

Change Frequency: _____

Cleaning History:

| Insp Date | Amount | Debris |
|-----------|--------|--------|
| | | |
| | | |
| | | |
| | | |



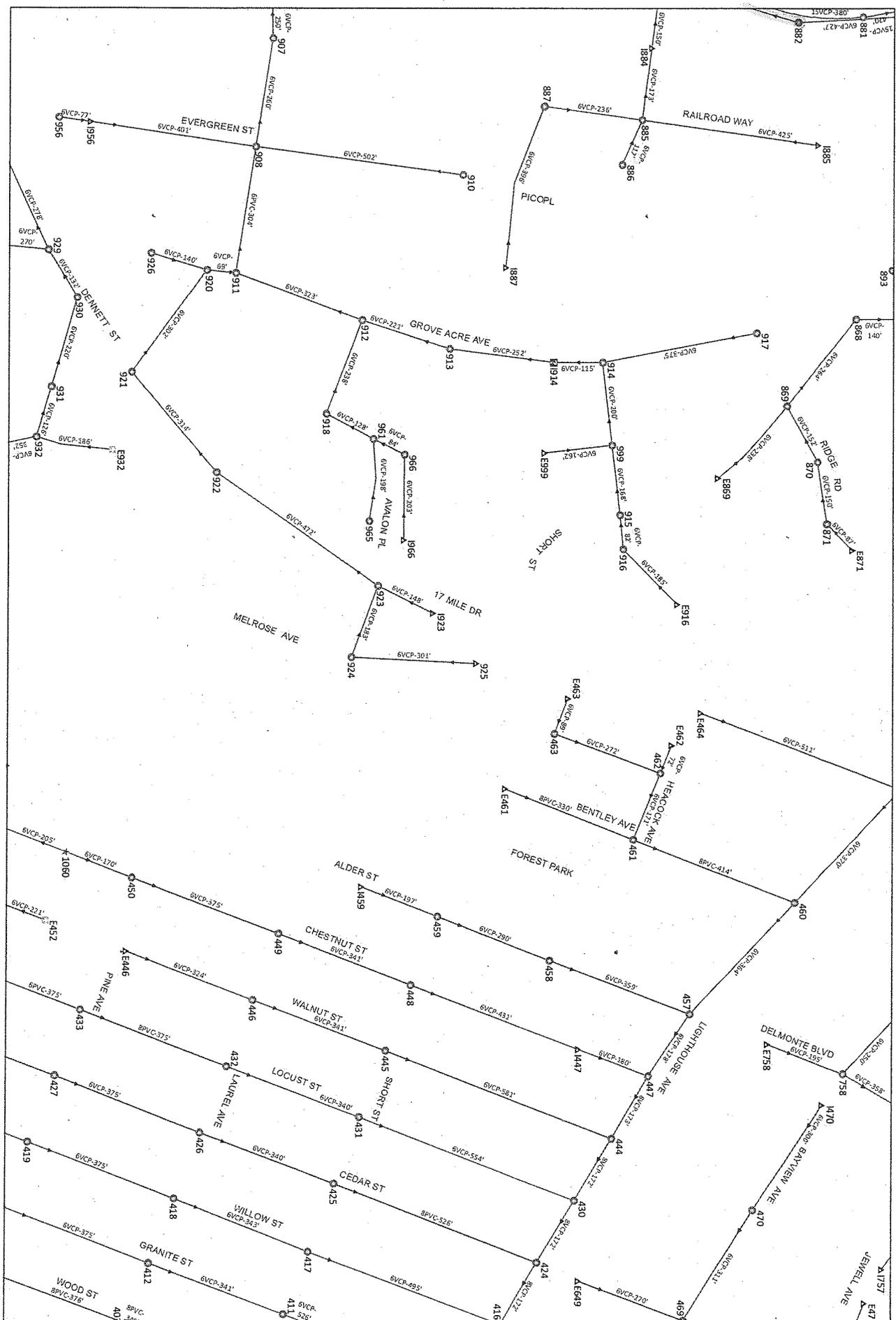
1 IN = 200 FT
 Revision Date: Jan 2005

| | | |
|----|----|----|
| B1 | B2 | B3 |
| C1 | C2 | C3 |
| D1 | D2 | D3 |

City of Pacific Grove
 Collection System Inventory

Legend

- Node
- Pipe
- △ Manhole
- Valve
- Tank
- Lift Station
- Pump Station
- Treatment Plant
- Outfall
- Other
- Unknown



1 IN = 200 FT
Revision Date: Jan 2005

| | | | |
|----|----|----|----|
| D1 | B1 | B2 | B3 |
| C1 | C2 | C3 | |
| D2 | D3 | | |



City of Pacific Grove

Collection System Inventory

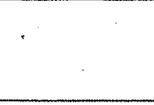
Legend

- Manhole
- Valve
- Hydrant
- Water Main
- Sanitary Sewer
- Storm Sewer
- Water Line
- Sanitary Sewer Line
- Storm Sewer Line
- Water Main Line
- Sanitary Sewer Line
- Storm Sewer Line



1 IN = 200 FT
 Revision Date: Jan 2005

| | | |
|----|----|----|
| C1 | C2 | C3 |
| D1 | D2 | D3 |
| E1 | E2 | E3 |



City of Pacific Grove
 Collection System Inventory

Legend
 Street
 Utility
 Right-of-Way
 Easement
 Other

2011

Chemical root control

WEEK OF May 9th - 13th

15,126 feet treated

Collection System Inventory

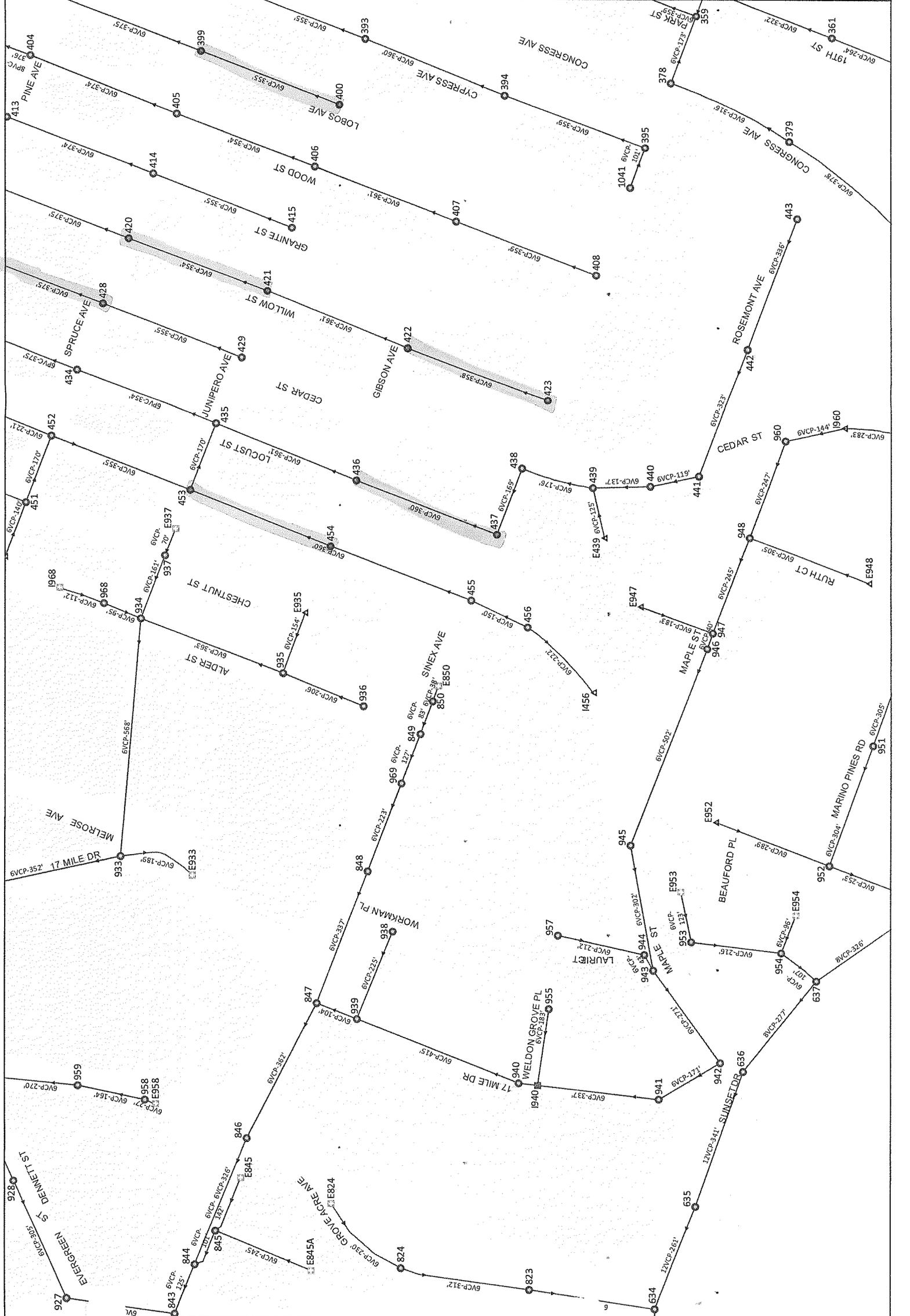
City of Pacific Grove



1 IN = 200 FT
 Revision Date: Jan 2006

| | | |
|----|----|----|
| C1 | C2 | C3 |
| D1 | D2 | D3 |
| E1 | E2 | E3 |

- Legend**
- Collection System
 - Box
 - High Point
 - Invert Elevation
 - Manhole
 - Valve
 - Water Meter
 - Fire Hydrant
 - Public Station



2011 MANHOLE INSPECTIONS

WEEK OF OCTOBER 17th – 21st

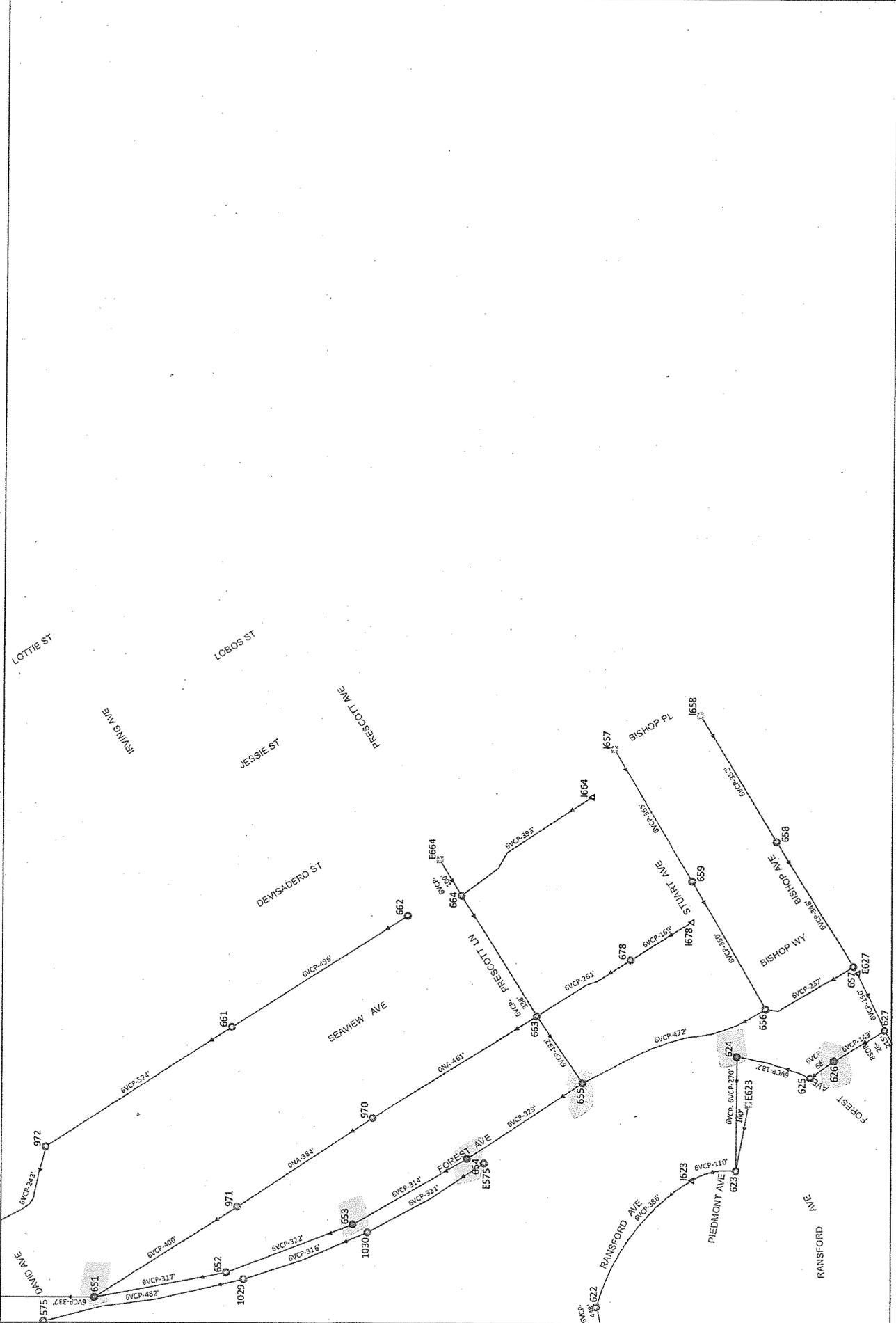
15 INSPECTIONS PERFORMED



1 IN = 200 FT
Revision Date: Jan 2024

| | | |
|----|----|----|
| E2 | E3 | E4 |
| F2 | F3 | F4 |

- Legend
- Invert
 - Elev
 - △ Inlet
 - Manhole
 - Catch Basin
 - Storm
 - Sewer
 - Pump Station

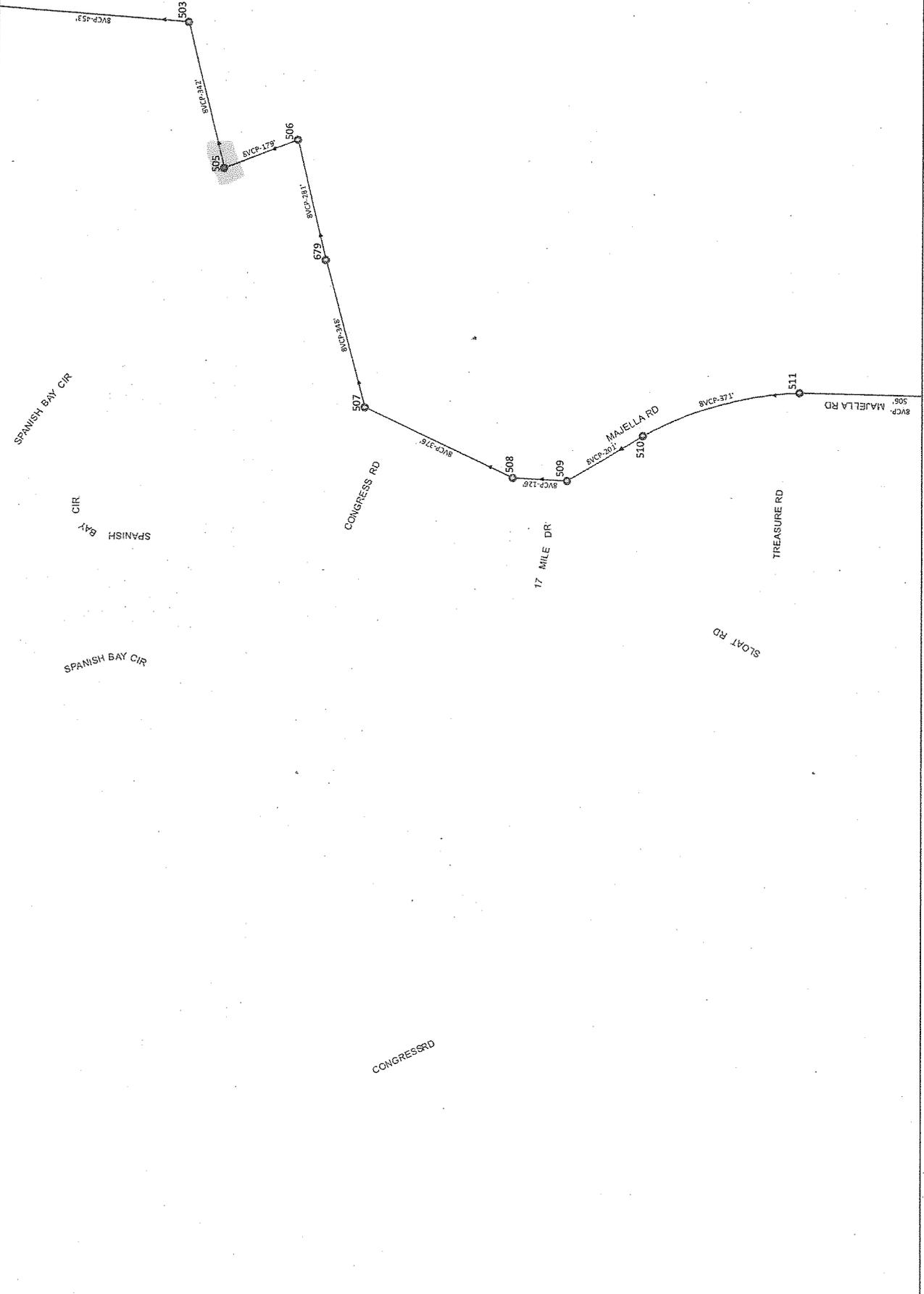


City of Pacific Grove Collection System Inventory

1 IN = 200 FT
Revision Date: Jan 2008

| | | |
|----|----|----|
| D1 | D2 | D3 |
| E1 | E2 | E3 |
| F1 | F2 | F3 |

- Legend**
- Collection System
 - Street
 - Water Main
 - Sewer Main
 - Gas Main
 - Electric Main
 - Telephone Main
 - Cable TV Main
 - Fire Hydrant
 - Manhole
 - Valve
 - Meter
 - Catch Basin
 - Storm Drain
 - Street Light
 - Traffic Sign
 - Fire Alarm
 - Fire Station
 - Police Station
 - City Hall
 - School
 - Church
 - Cemetery
 - Park
 - Beach
 - Pier
 - Boat Ramp
 - Marina
 - Harbor
 - Bay
 - Ocean
 - Mountain
 - Hill
 - Valley
 - Plain
 - Desert
 - Forest
 - Field
 - Meadow
 - Pasture
 - Farm
 - Ranch
 - Estate
 - Home
 - Apartment
 - Office
 - Store
 - Restaurant
 - Bar
 - Club
 - Hotel
 - Motel
 - Inn
 - Camp
 - Trailer
 - Cabin
 - House
 - Cottage
 - Villa
 - Estate
 - Farm
 - Ranch
 - Estate
 - Home
 - Apartment
 - Office
 - Store
 - Restaurant
 - Bar
 - Club
 - Hotel
 - Motel
 - Inn
 - Camp
 - Trailer
 - Cabin
 - House
 - Cottage
 - Villa



Lines Maintenance Report

01/01/2006 - 1/30/2013

| ID | Description | Type | Maintenance Date | Maintenance Type | Cost | Hours | Construction Year | Line Classification | Active | Recommend Clean | Recommend Foam | Recommend Repair | Recommend TV | Area | Map Page | Comments | Last Foam | Last Hydro | Frequency | Debris | Roots | Alert |
|-------|---|-------------|------------------|------------------|--------|-------|-------------------|---------------------|--------|-----------------|----------------|------------------|--------------|--------|----------|---|-----------|------------|-----------|--------|-------|-------|
| 475.0 | D/M, MIKE, #43 | 6 in VCP | 1/28/2013 | 001: Hydro | \$0.00 | 0.00 | 1,995 | REGULAR | YES | NO | NO | NO | NO | Area 7 | C3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 6/18/2012 | | | | |
| 390.0 | CLN, MIKE, #43 | 8 in SDR 26 | 1/28/2013 | 001: Hydro | \$0.00 | 0.00 | 2,003 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 3/12/2012 | | | | |
| 483.0 | CLN, MIKE, #43 | 6 in PVC | 1/28/2013 | 001: Hydro | \$0.00 | 0.00 | 1,990 | REGULAR | YES | NO | NO | NO | NO | Area 7 | C3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 3/31/2011 | | | | |
| 399.0 | D/L, MIKE, #43 | 6 in VCP | 1/25/2013 | 001: Hydro | \$0.00 | 0.00 | 2,003 | REGULAR | YES | NO | NO | NO | NO | Area 7 | C3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 4/14/2011 | | | | |
| 677.0 | CLN, MIKE, #43, NEW LINE 2012 | 6 in VCP | 1/25/2013 | 001: Hydro | \$0.00 | 0.00 | 2,012 | REGULAR | YES | NO | NO | NO | NO | Area 7 | D3 | NEW LINE 2012 MPE | | 8/6/2012 | | | | |
| 667.0 | CLN, MIKE, #43, NEW LINE 2012 | 6 in VCP | 1/25/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 7 | D3 | NEW LINE 2012 | 5/13/2011 | 3/30/2011 | | | | |
| 627.0 | CLN, MIKE, #43 | 6 in SDR 35 | 1/25/2013 | 001: Hydro | \$0.00 | 0.00 | 1,995 | REGULAR | YES | NO | NO | NO | NO | Area 7 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 8/8/2012 | | | | |
| 686.0 | R/H, G/L, MIKE, #43, REC FOAM 2013 AND CCTV LOTS OF WORMS | 6 in VCP | 1/24/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | YES | Area 7 | D3 | NEED TO FOAM LINE AND ALSO CCTV LINE SEVERAL WORMS... | | 6/11/2012 | | | | |
| 721.0 | R/H, G/M, MIKE, #43, REC FOAM 2013 | 6 in VCP | 1/24/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 7 | D3 | FOAM LINE 2013 | 5/12/2011 | 7/3/2012 | | | | |
| 775.0 | OTHER/H, SANDY DIRT, MIKE, #43 RECOMMEND CCTV. | 6 in VCP | 1/24/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | YES | Area 7 | D3 | FRESH SANDY DIRT TORWARDS END OF RUN. | 3/3/2008 | 7/3/2012 | | | | |
| 913.0 | D/L, MIKE, #43, NEED TO ADD MANHOLE AT TIE IN LOCATION | 6 in VCP | 1/24/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | YES | NO | Area 2 | E3 | NEED TO ADD MANHOLE @ TIE IN LOCATION ON MAIN | | 3/20/2012 | | | | |
| 800.0 | R/M, MIKE, #43 REC FOAM 2013 | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 7 | D3 | NEED TO FOAM LINE 2013 | 3/4/2008 | 7/20/2011 | | | | |
| 793.0 | R/M, MIKE, #43, REC FOAM 2013 | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 7 | D3 | FOAM LINE 2013 | 3/4/2008 | 7/20/2011 | | | | |
| 729.0 | R/M, MIKE, #43, FOAM LINE 2013 | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 7 | D3 | FOAM LINE 2013 | 5/12/2011 | 2/7/2011 | | | | |
| 801.0 | R/H, OTHER/M, DIRT, SAND, S M ROCKS, MIKE, #43 | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | YES | Area 7 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 5/13/2011 | 6/11/2012 | | | | |
| 738.0 | R/L, D/L, MIKE, #43 | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 7 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 5/12/2011 | 6/11/2012 | | | | |
| 771.0 | R/H LINE IS IN POOR CONDITION AND NEEDS REPLACING, MIKE #43 | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | YES | YES | Area 7 | D3 | NEED FOAM/TREATMENT 2013 | 6/16/2011 | 3/16/2010 | | | | |

| ID | Description | Type | Maintenanc e Date | Maintenanc e Type | Cost | Hours | Constructio n Year | Line Classificatio n | Active | Recommend Clean | Recommend Foam | Recommend Repair | Recommend TV | Area | Map Page | Comments | Last Foam | Last Hydro | Frequency | Debris | Roots | Alert |
|--------|---|----------------------|----------------------|----------------------|--------|-------|-----------------------|----------------------------|--------|--------------------|-------------------|---------------------|-----------------|--------------|----------|--|-----------|------------|-----------|--------|--------|-------|
| 712.0 | R/H, D/L, MIKE, #43, SEWER LINE AND MANHOLE ARE BOTH IN POOR CONDITION NEED TO BE REPLACED | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | YES | YES | Area 7 | D3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | 5/12/2011 | 4/27/2011 | | | | |
| 657.0 | D/L, MIKE, #43 | 6 in VCP | 1/23/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 7 | D3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | 3/21/2008 | 3/31/2011 | | | | |
| 813.0 | R/M D/L MIKE/47 REC ROOT FOAM | 6 in VCP | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 3 | D3 | NEED TO FOAM FOR ROOTS GREENLINE B/M | 5/12/2011 | 5/13/2010 | | | Medium | |
| 447.0 | D/L MIKE/43 | 6 in PVC | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 1,994 | REGULAR | YES | NO | NO | NO | YES | Area 3 | C3 | COULD NOT MAKE IT MORE THAN 305FT HOSE STOPPED | | 5/13/2011 | | | | |
| 402.0 | D/L MIKE/43 | 6 in SDR 35 | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 1,994 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | | 5/13/2011 | | | | |
| 354.0 | D/L MIKE/43 | 6 in SDR 35 | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 1,994 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | | 5/16/2011 | | | | |
| 445.0 | D/L MIKE/43 | 8 in PVC | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 1,906 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | | 5/20/2011 | | | | |
| 411.0 | D/L MIKE/43 | 8 in VCP | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 1,906 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | | 5/20/2011 | | | | |
| 362.0 | D/L MIKE/43 | 8 in PVC | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 2,003 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | | 5/20/2011 | | | | |
| 306.0 | D/L MIKE/43 | 12 in PVC | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 1,993 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE- AVG'd DUE TO QUALITY OF SRC DOC | | 7/25/2011 | | | | |
| 1221.0 | CLN MIKE/43 | 0 in NOT ASSIGNED | 1/22/2013 | 001: Hydro | \$0.00 | 0.00 | 0 | REGULAR | YES | | NO | NO | NO | Not Assigned | | | | 7/20/2011 | | | | |
| 514.0 | R/M, VINCE, #43 RECOMEND ROOT FOAM 2013 | 6 in VCP | 1/18/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 3 | C3-D3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | 5/19/2011 | 7/3/2012 | | | | |
| 474.0 | G/L, VINCE, #43 | 6 in VCP | 1/18/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | 3/5/2008 | 7/3/2012 | | | | |
| 1219.0 | D/L, VINCE, #43 | 0 in NOT ASSIGNED | 1/18/2013 | 001: Hydro | \$0.00 | 0.00 | 0 | REGULAR | YES | | NO | NO | NO | Not Assigned | | | | 7/20/2011 | | | | |
| 1220.0 | D/L, VINCE, #43 0 in NOT ASSIGNED | 0 in NOT ASSIGNED | 1/18/2013 | 001: Hydro | \$0.00 | 0.00 | 0 | REGULAR | YES | | NO | NO | NO | Not Assigned | | | | 7/20/2011 | | | | |
| 704.0 | CLN, VINCE, #43 | 6 in VCP | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | 2/29/2008 | 8/22/2012 | | | | |
| 653.0 | G/L, D/L, VINCE, #43 | 6 in VCP | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | 2/29/2008 | 7/19/2011 | | | | |
| 594.0 | D/L, VINCE, #43 | 6 in PVC | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 1,995 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE- AVERAGED DUE TO QUALITY OF SRC DOC | | 7/19/2011 | | | | |

| ID | Description | Type | Maintenance Date | Maintenance Type | Cost | Hours | Construction Year | Line Classification | Active | Recommend Clean | Recommend Foam | Recommend Repair | Recommend TV | Area | Map Page | Comments | Last Foam | Last Hydro | Frequency | Debris | Roots | Alert |
|-------|--|-------------|------------------|------------------|--------|-------|-------------------|---------------------|--------|-----------------|----------------|------------------|--------------|--------|----------|---|-----------|------------|-----------|--------|-------|-------|
| 528.0 | D/L, VINCE, #43 LINE NEEDS TO BE RAN IN EARLY A.M. | 6 in VCP | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 1,995 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3-D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 5/6/2011 | | | | |
| 769.0 | D/L, VINCE, #43 | 6 in VCP | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 2/29/2008 | 7/19/2011 | | | | |
| 726.0 | G/L, D/L, VINCE, #43 | 8 in PVC | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 2,001 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 7/20/2011 | | | | |
| 676.0 | R/M, VINCE, #43 RECOMEND ROOT FOAM 2013 | 6 in VCP | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 5/19/2011 | 2/10/2011 | | | | |
| 615.0 | R/M, VINCE, #43 RECOMEND ROOT FOAM 2013 | 6 in VCP | 1/17/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 3/28/2011 | | | | |
| 714.0 | G/L, MIKE, #43 | 6 in VCP | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 3/3/2008 | 7/16/2012 | | | | |
| 661.0 | D/L, MIKE, #43 | 6 in VCP | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 6/16/2011 | 7/16/2012 | | | | |
| 605.0 | R/M, MIKE, #43 RECOMEND FOAM TREATMENT IN 2013. | 6 in VCP | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 6/16/2011 | 7/16/2012 | | | | |
| 540.0 | CLN, MIKE, #43 | 6 in SDR 35 | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | NEW LINE 8" SDR REPLACED IN 2012 BY MPE. | 6/16/2011 | 7/16/2012 | | | | |
| 508.0 | CLN, MIKE, #43 | 6 in SDR 35 | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | NEW PIPE REPLACED 2012 SDR 8" | 6/16/2011 | 7/16/2012 | | | | |
| 504.0 | CLN, MIKE, #43 | 6 in SDR 35 | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | C3 | BRAND NEW PIPE 2012 8" SDR | 6/16/2011 | 4/9/2010 | | | | |
| 704.0 | D/L, MIKE, #43 | 6 in VCP | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 2/29/2008 | 8/22/2012 | | | | |
| 653.0 | D/L, MIKE, #43 | 6 in VCP | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 2/29/2008 | 7/19/2011 | | | | |
| 774.0 | R/L, D/L, MIKE, #43 | 6 in VCP | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | THIS LINE IS 115 FEET LONG NOT 80 FEET NEED TO CHANGE MAP | 2/29/2008 | 4/25/2012 | | | | |
| 785.0 | D/L, MIKE, #43 | 6 in VCP | 1/16/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 2/29/2008 | 7/19/2011 | | | | |
| 789.0 | R/M D/M MIKE/43 REC ROOT FOAM 2013 | 6 in VCP | 1/15/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | YES | NO | NO | Area 2 | D3 | ROOT FOAM 2013 | 6/16/2011 | 6/11/2012 | | | | |
| 788.0 | D/M MIKE/43 DEBRIS FROM LINES ABOVE | 6 in VCP | 1/15/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 8/1/2012 | | | | |
| 758.0 | D/L MIKE/43 | 6 in VCP | 1/15/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 8/1/2012 | | | | |

| ID | Description | Type | Maintenance Date | Maintenance Type | Cost | Hours | Construction Year | Line Classification | Active | Recommend Clean | Recommend Foam | Recommend Repair | Recommend TV | Area | Map Page | Comments | Last Foam | Last Hydro | Frequency | Debris | Roots | Alert |
|-------|--|----------|------------------|------------------|--------|-------|-------------------|---------------------|--------|-----------------|----------------|------------------|--------------|--------|----------|---|-----------|------------|-----------|--------|-------|-------|
| 792.0 | D/L MIKE/43 | 8 in VCP | 1/15/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 9/20/2011 | | | | |
| 815.0 | D/M MIKE/43 REC CCTV/REPAIR | 6 in VCP | 1/15/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | YES | YES | Area 2 | D3 | STOPPED SHORT RECOMEND REPAIR/CCTV | | 3/16/2012 | | | | |
| 761.0 | D/L MIKE 47 | 6 in VCP | 1/15/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 3 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 5/12/2011 | 5/13/2010 | | | | |
| 836.0 | D/L VINCE/47 | 8 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 5/16/2011 | | | | |
| 849.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 7/26/2012 | | | | |
| 828.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 3/4/2008 | 6/11/2012 | | | | |
| 816.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 3/4/2008 | 8/22/2012 | | | | |
| 812.0 | D/L VINCE, #47 | 8 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 9/20/2011 | | | | |
| 904.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | | | 7/26/2012 | | | | |
| 885.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | | | 7/26/2012 | | | | |
| 871.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 7/26/2012 | | | | |
| 876.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 3/16/2012 | | | | |
| 855.0 | CLN VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 3/14/2012 | | | | |
| 867.0 | D/M VINCE, #47, INFILTRATION INTO MANHOLE. AND PIECES OF CLAY PIPE RECOMEND CCTV TO BE DONE. | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | YES | Area 2 | E3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | 9/1/2002 | 6/11/2012 | | | | |
| 856.0 | D/L VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 7/26/2012 | | | | |
| 870.0 | D/M VINCE, #47, PIECES OF CLAY PIPE RECOMEND CCTV | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | YES | Area 2 | E3 | RECOMEND CCTV TO BE DONE FOUND PIECES OF CLAY PIPE... | | 7/26/2012 | | | | |
| 845.0 | D/M VINCE, #47 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 8/1/2012 | | | | |

| ID | Description | Type | Maintenance Date | Maintenance Type | Cost | Hours | Construction Year | Line Classification | Active | Recommend Clean | Recommend Foam | Recommend Repair | Recommend TV | Area | Map Page | Comments | Last Foam | Last Hydro | Frequency | Debris | Roots | Alert |
|--------|--|----------|------------------|------------------|--------|-------|-------------------|---------------------|--------|-----------------|----------------|------------------|--------------|--------|----------|---|-----------|------------|-----------|--------|-------|-------|
| 837.0 | D/L VINCE, #47, NEW HDPE 8" PIPE DONE IN 2012 | 6 in VCP | 1/14/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | D3 | new line hdpe 8" 2012 mpe | | 8/1/2012 | | | | |
| 905.0 | R/L D/L OTHER/L INFILTRATION LINE IS 350 FT NOT 415FT VINCE/47 | 6 in VCP | 1/11/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | YES | NO | NO | Area 2 | E3 | ROOT FOAM 2013 | 3/4/2008 | 12/21/2011 | | | | |
| 910.0 | D/L OTHER/L INFILTRATION AT M.H. 262 VINCE/47 | 6 in VCP | 1/11/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | | | 7/26/2012 | | | | |
| 902.0 | D/L OTHER/L INFILTRATION AT M.H. 262 VINCE/47 | 6 in VCP | 1/11/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | 265 FROM MH262 TO IH262A | | 7/26/2012 | | | | |
| 866.0 | D/L VINCE, #47 | 6 in VCP | 1/11/2013 | 001: Hydro | \$0.00 | 0.00 | 1,907 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE-AVERAGED DUE TO QUALITY OF SRC DOC | | 7/26/2012 | | | | |
| 935.0 | D/L MIKE/43 | 6 in VCP | 1/10/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | NO FOAM 2013 | 5/23/2011 | 7/8/2012 | | | | |
| 938.0 | D/L MIKE/43 | 6 in VCP | 1/10/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | NO FOAM 2013 | 3/3/2008 | 7/8/2012 | | | | |
| 899.0 | R/M D/M MIKE/43 REC ROOT TREATMENT 2013 | 6 in VCP | 1/10/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | YES | NO | NO | Area 2 | E3 | ROOT FOAM IN 2013 | 3/3/2008 | 7/8/2012 | | | | |
| 898.0 | D/L MIKE/47 | 6 in VCP | 1/10/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | | 5/23/2011 | 3/1/2011 | | | | |
| 972.0 | CLN VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO FOAM 2013 | 3/3/2008 | 3/19/2012 | | | | |
| 953.0 | D/L VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO FOAM 2013 | 5/23/2011 | 6/28/2012 | | | | |
| 934.0 | CLN VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | 5/23/2011 | 6/28/2012 | | | | |
| 928.0 | D/L VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | | 5/23/2011 | 7/8/2012 | | | | |
| 969.0 | R/L D/L VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | YES | NO | NO | Area 2 | E3 | ROOTTREAT 2013 | 5/23/2011 | 6/27/2012 | | | | |
| 941.0 | D/L VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | | 6/28/2012 | | | | |
| 1216.0 | D/L VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 0 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | | | 3/16/2012 | | | | |
| 933.0 | D/L VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO FOAM 2013 | | 7/8/2012 | | | | |
| 887.0 | D/L VINCE/47 | 6 in VCP | 1/9/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | | 3/3/2008 | 7/8/2012 | | | | |
| 954.0 | D/L MIKE/43 | 6 in VCP | 1/8/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO TREATMENT FOR 2013 | 3/3/2008 | 6/28/2012 | | | | |
| 951.0 | D/M MIKE/43 | 6 in VCP | 1/8/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO FOAM 2013 | 3/3/2008 | 7/8/2012 | | | | |
| 947.0 | D/L MIKE/43 | 6 in VCP | 1/8/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO FOAM 2013 | 3/3/2008 | 7/8/2012 | | | | |
| 942.0 | D/M MIKE/43 | 6 in VCP | 1/8/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO FOAM 2013 | | 7/8/2012 | | | | |
| 945.0 | D/M MIKE/43 | 6 in VCP | 1/8/2013 | 001: Hydro | \$0.00 | 0.00 | 1,912 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE CLEAR OF ROOTS NO FOAM 2013 | | 7/8/2012 | | | | |

| ID | Description | Type | Maintenance Date | Maintenance Type | Cost | Hours | Construction Year | Line Classification | Active | Recommend Clean | Recommend Foam | Recommend Repair | Recommend TV | Area | Map Page | Comments | Last Foam | Last Hydro | Frequency | Debris | Roots | Alert |
|--------|--|----------|------------------|------------------|--------|-------|-------------------|---------------------|--------|-----------------|----------------|------------------|--------------|---------|----------|--|-----------|------------|-----------|--------|-------|-------|
| 971.0 | D/L MIKE/43 | 6 in VCP | 1/7/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE IS FREE OF ROOTS HOLD OFF ON ROOTTREATMENTS | 3/3/2008 | 6/27/2012 | | | | |
| 967.0 | D/L MIKE/43 | 6 in VCP | 1/7/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | LINE IS CLEAR OF ANY ROOTS HOLD OFF ON ROOT TREATMENTS | 3/3/2008 | 6/27/2012 | | | | |
| 955.0 | CLN MIKE/43 | 6 in VCP | 1/7/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | 3/3/2008 | 6/28/2012 | | | | |
| 948.0 | CLN MIKE/43 | 6 in VCP | 1/7/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | E3 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | 3/3/2008 | 6/28/2012 | | | | |
| 973.0 | snaked line to cut root mass need to have line foamed 2013 hydro cleaned line after root removal | 6 in VCP | 1/3/2013 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | YES | NO | NO | Area 2 | E3 | CCTV line on 12/31/12 found root mass 1 ft in snaked out to clear on 1/3/13 root treat in 2013 | | 3/19/2012 | | | | |
| 1029.0 | CLN MIKE/43 | 6 in VCP | 1/2/2013 | 001: Hydro | \$0.00 | 0.00 | 1,951 | REGULAR | YES | NO | NO | NO | NO | Area 9 | G2 | | | 2/9/2012 | | | | |
| 1040.0 | CLN MIKE/43 | 6 in VCP | 1/2/2013 | 001: Hydro | \$0.00 | 0.00 | 1,951 | REGULAR | YES | NO | NO | NO | NO | Area 9 | G2 | | | 3/26/2012 | | | | |
| 207.0 | V.G. D-L | 6 in VCP | 12/29/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 2 | B2 | PIPE AGE UNSURE- SRC DOC UNCLEAR | | 4/12/2012 | | | | |
| 98.0 | V.G. D-L | 6 in VCP | 12/29/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | NO | NO | NO | Area 1 | B2 | | | 3/12/2012 | | | | |
| 59.0 | V.G. D-L | 6 in VCP | 12/28/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | NO | NO | NO | Area 1 | A2 | | | 3/1/2012 | | | | |
| 60.0 | V.G. D-M | 6 in VCP | 12/28/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | NO | NO | NO | Area 1 | A2 | | | 3/1/2012 | | | | |
| 61.0 | V.G. D-L | 8 in VCP | 12/28/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | YES | NO | NO | Area 1 | A2 | NEW HDPE LINE IN 2012 | 6/8/2011 | 3/4/2011 | | | | |
| 53.0 | V.G. D-L | 6 in VCP | 12/28/2012 | 001: Hydro | \$0.00 | 0.00 | 1,932 | REGULAR | YES | NO | NO | NO | NO | Area 1 | A2 | | 3/13/2008 | 10/17/2011 | | | | |
| 149.0 | V.G. D-L | 6 in VCP | 12/28/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | NO | NO | NO | Area 1 | B2 | | | 3/4/2011 | | | | |
| 138.0 | V.G. D-L | 6 in VCP | 12/28/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | NO | NO | NO | Area 1 | B2-B3 | | | 3/12/2012 | | | | |
| 153.0 | V.G. G-L | 6 in VCP | 12/28/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | NO | NO | NO | Area 1 | B3 | | | 3/7/2011 | | | | |
| 281.0 | V.G. D-L | 6 in VCP | 12/27/2012 | 001: Hydro | \$0.00 | 0.00 | 1,925 | REGULAR | YES | NO | NO | NO | NO | Area 4 | C3 | | 2/22/2008 | 3/15/2011 | | | | |
| 194.0 | V.G. D-M | 6 in VCP | 12/27/2012 | 001: Hydro | \$0.00 | 0.00 | 1,925 | REGULAR | YES | NO | NO | NO | NO | Area 2 | B2 | | 3/11/2008 | 3/12/2012 | | | | |
| 205.0 | V.G. R-M / D-L | 6 in VCP | 12/27/2012 | 001: Hydro | \$0.00 | 0.00 | 1,925 | REGULAR | YES | NO | YES | NO | YES | Area 2 | B2 | ROOT TREAT IN 2013 | 3/11/2008 | 3/12/2012 | | | | |
| 96.0 | V.G. D-L | 6 in VCP | 12/27/2012 | 001: Hydro | \$0.00 | 0.00 | 1,916 | REGULAR | YES | NO | NO | NO | NO | Area 1 | B3 | | 3/13/2008 | 3/8/2011 | | | | |
| 174.0 | V.G. D-L | 6 in VCP | 12/27/2012 | 001: Hydro | \$0.00 | 0.00 | 1,932 | REGULAR | YES | NO | NO | NO | NO | Area 1 | B2 | 423 FROM MH 715 TO 1715A | 3/7/2008 | 3/10/2011 | | | | |
| 970.0 | V.G. D-L | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | YES | NO | NO | Area 8 | E2 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | 8/14/2006 | 3/22/2012 | | | | |
| 659.0 | V.G. D-L | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 10 | D2 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | 3/5/2008 | 8/14/2012 | | | | |
| 708.0 | V.G. D-L | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 10 | D2 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | | 3/1/2012 | | | | |
| 647.0 | V.G. D-L | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 10 | D2 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | 3/5/2008 | 3/1/2012 | | | | |
| 580.0 | V.G. D-L | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 10 | D2 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | | 3/1/2012 | | | | |
| 570.0 | V.G. D-L | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | REGULAR | YES | NO | NO | NO | NO | Area 10 | D1 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | | 3/1/2012 | | | | |
| 741.0 | V.G. D-L | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | FORCE MAIN | YES | NO | NO | NO | NO | Area 10 | D1 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | | 4/3/2006 | | | | |
| 746.0 | V.G. CLN | 6 in VCP | 12/26/2012 | 001: Hydro | \$0.00 | 0.00 | 1,960 | FORCE MAIN | YES | NO | NO | NO | NO | Area 10 | D1 | PIPE AGE UNSURE- SRC DOC NOT CLEAR | | 4/3/2006 | | | | |

APPENDIX 4F

Manhole Inspection Forms and Maintenance Reports

Weekly Manhole Inspections Report: October 17-21, 2011

Manhole Maintenance Report: 2012

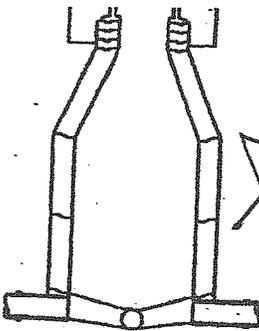
2011 MANHOLE INSPECTIONS

WEEK OF OCTOBER 17th – 21st

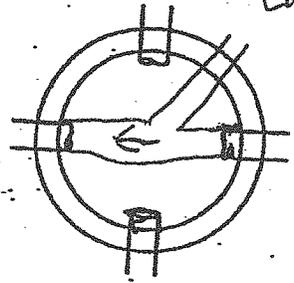
15 INSPECTIONS PERFORMED

PACIFIC GROVE MANHOLE INSPECTION FORM

Private Lateral?



Done



SECTION VIEW

PLAN VIEW

Manhole No. 658
 Inspection Date: 7-11-11
 Crew Leader: Hal/Luis

Pipe Size: 6"
 Pipe Material: VCP
 Manhole Depth: 47"

I. MAN HOLE INITIAL INSPECTION

A - Location

- []
- []
- []
- []
- []
- []

1. Roadway
2. Gutter
3. Paved Alley
4. Unpaved Alley
5. Easement
6. Other _____

B - Manhole Cover

- []
- []
- []
- []
- []
- []

1. Serviceable
2. Damaged
3. Displaced
4. Missing
5. Loose
6. Sealed

C - Ring and Frame

- []
- []
- []
- []
- []
- []

1. Serviceable
2. Loose
3. Displaced
4. Missing Grout
5. Needs Raising
6. Needs Lowering

D - Manhole Material

- []
- []

1. Brick
2. Concrete

E - Size MH Cover

- []
- []

1. 24 - inch
2. 36 - inch

F - Manhole Size

- []
- []

1. 4 - Foot
2. 5 - Foot

II. STRUCTURAL INSPECTION

A - Rungs

- []
- []
- []
- []
- []
- []

1. Serviceable
2. Unsafe
3. Missing (No. _____)
4. Corroded
5. None

B - Cone

- []
- []
- []
- []
- []

1. Serviceable
2. Broken / *cracked*
3. Sulfided
4. Misaligned
5. Leaking / Bad Joints

C - Riser

- []
- []
- []
- []
- []

1. Serviceable
2. Broken / *cracked*
3. Sulfided
4. Misaligned
5. Leaking / Bad Joints

D - Shelf

- []
- []
- []
- []
- []

1. Serviceable
2. Broken
3. Dirty
4. Sulfided
5. Bad Base Joints

E - Channel

- []
- []
- []
- []
- []
- []

1. Serviceable
2. Obstructed
3. Sulfided
4. Bad Pipe Joint
5. Silt
6. Poor Structural Cond.

III. HYDRAULIC INSPECTION

A - Inflow Indications

- []
- []

1. Debris on Sides/Rungs
2. Debris on Sides/Shelf

B - Surge Indications

- []
- []

1. Grease/Debris on Shelf
2. Grease/Debris on Sides /Rungs

C - Clarity of Flow

- []
- []

1. Turbid Sewage Appearance
2. Clear Water Appearance

D - Flow

- []
- []
- []
- []
- []

1. Steady
2. Pulsing
3. Turbulent
4. Surcharging
5. Sluggish

Observation Summary: Fair/Good Condition

Recommendations: _____

City of Pacific Grove Collection System Inventory

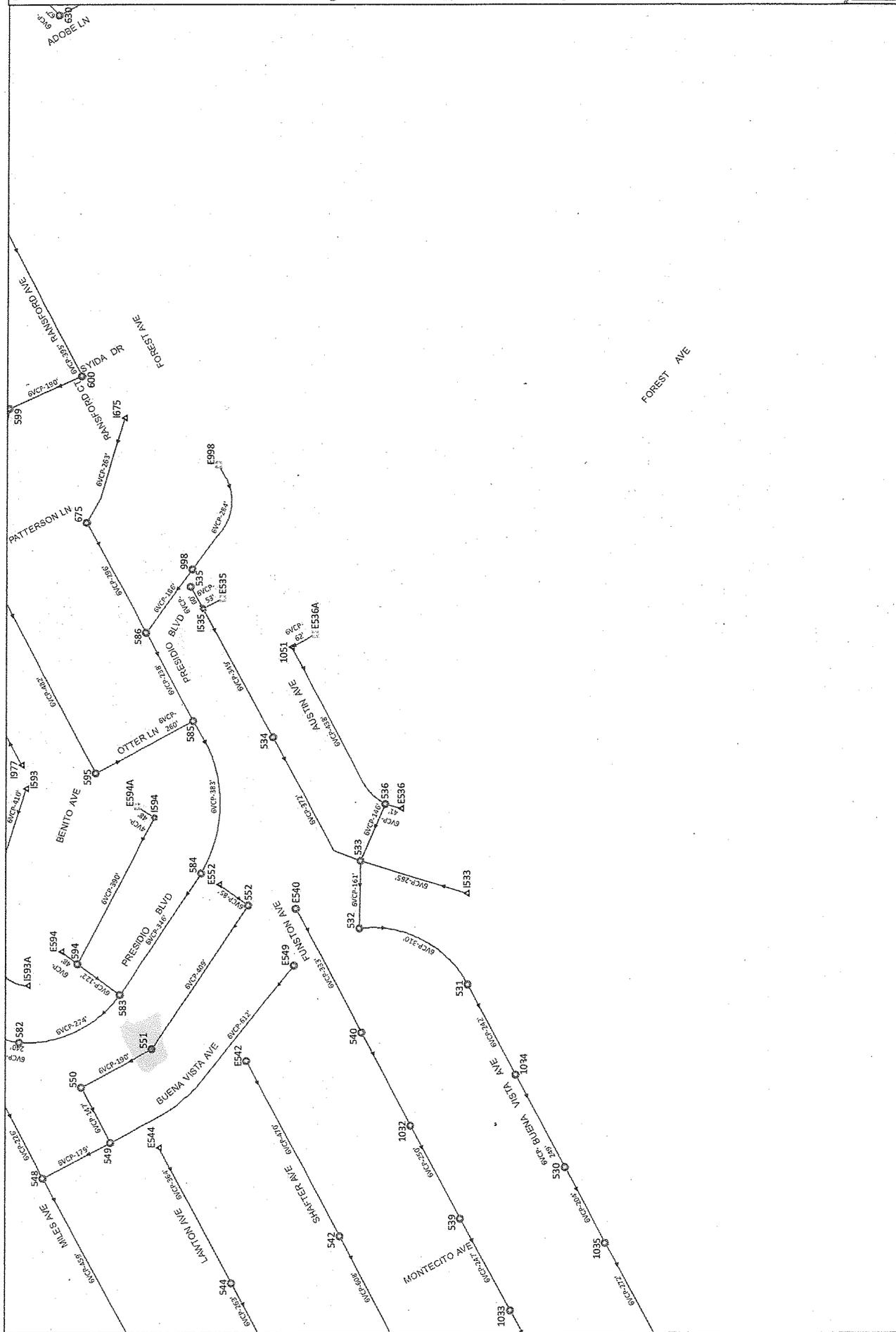


1 IN = 200 FT

| | | |
|----|----|----|
| FT | F2 | F3 |
| G1 | G2 | G3 |

LEGEND

- Manhole
- Box
- Hydrant
- Valve
- 1st
- 2nd
- 3rd
- 4th
- 5th
- 6th
- 7th
- 8th
- 9th
- 10th
- 11th
- 12th
- 13th
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- 97th
- 98th
- 99th
- 100th

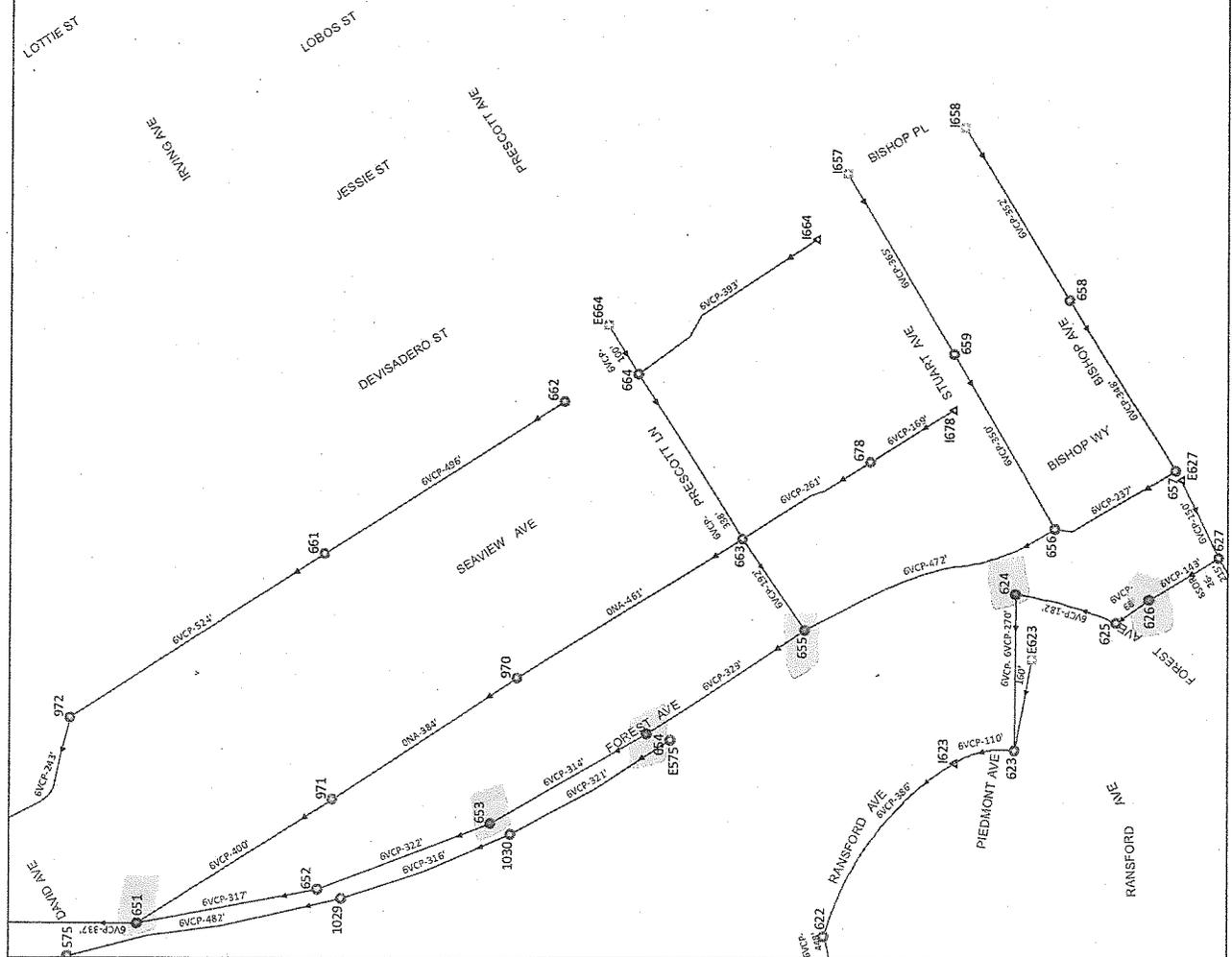


City of Pacific Grove Collection System Inventory



1 IN = 200 FT
 Revision Date: Jan 2024

| | | |
|----|----|----|
| E2 | E3 | E4 |
| F2 | F3 | |

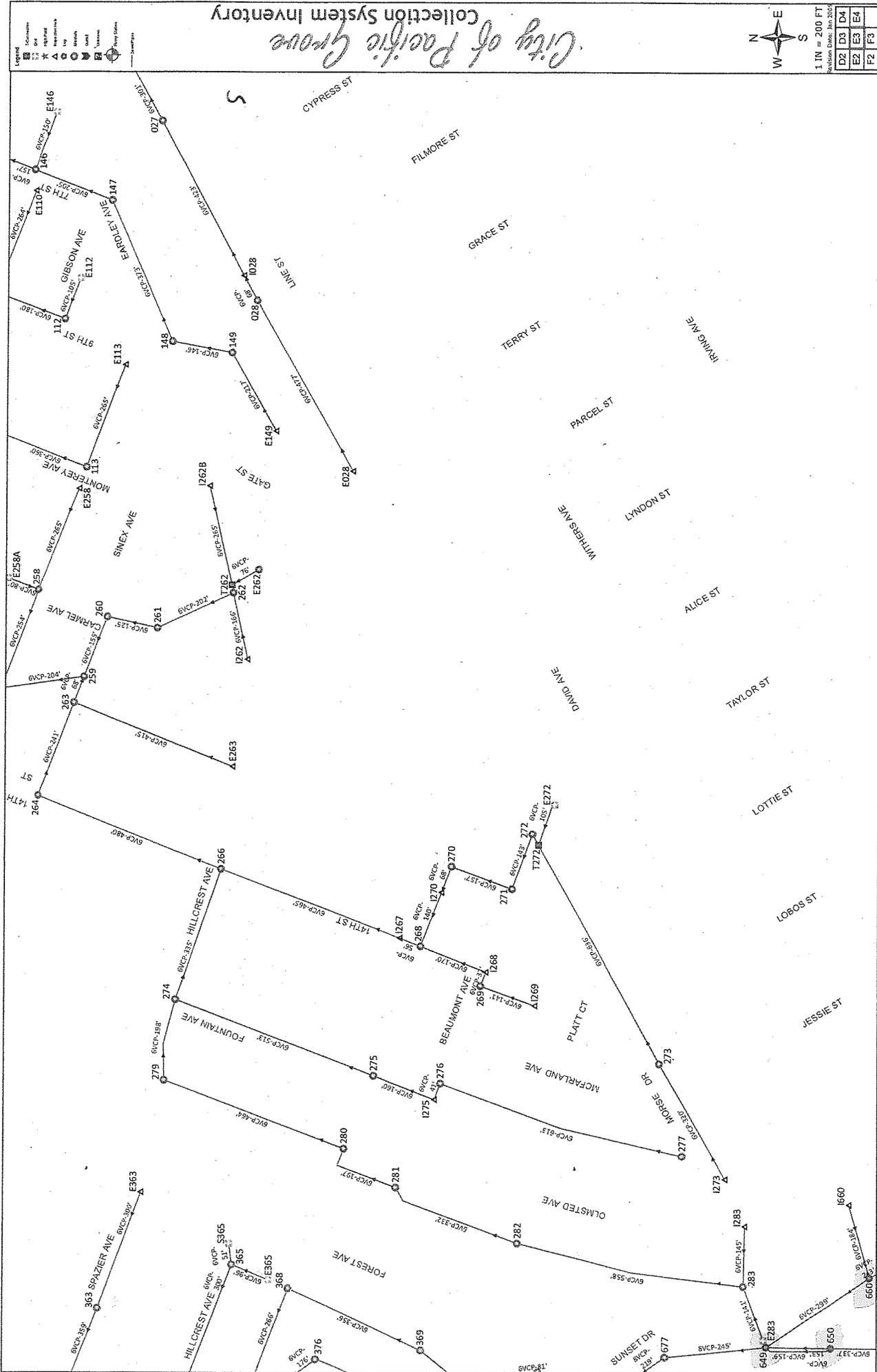




1 IN = 200 FT

Revision Date: Jan 2005

| | | | |
|----|----|----|----|
| D1 | D2 | D3 | D4 |
| E1 | E2 | E3 | E4 |
| F1 | F2 | F3 | F4 |



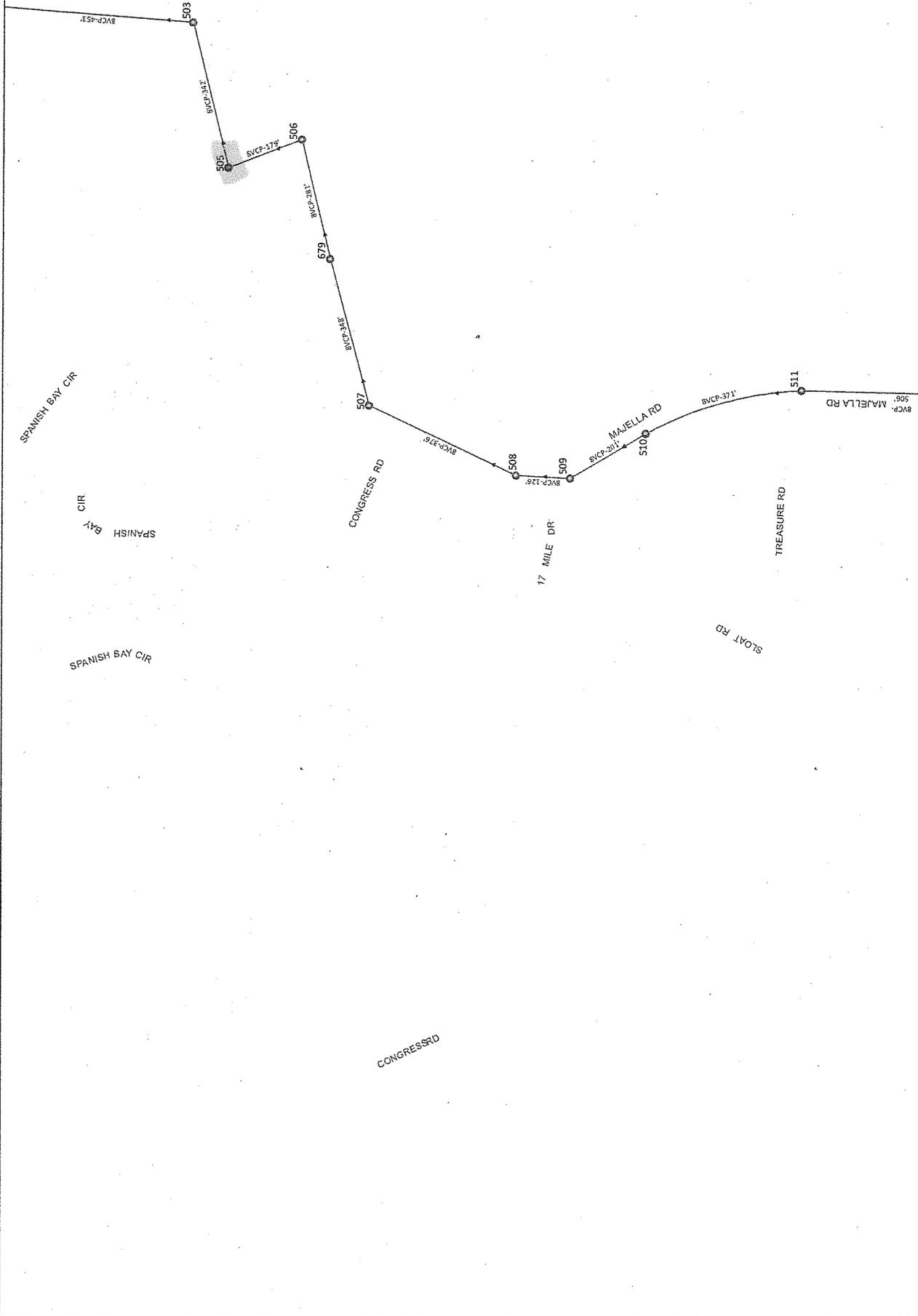
City of Pacific Grove Collection System Inventory



1 IN = 200 FT

| | | |
|----|----|----|
| D1 | D2 | D3 |
| E1 | E2 | E3 |
| F1 | F2 | F3 |

- Sewer Main
- Storm Main
- Manhole
- Catch Basin
- Pump Station
- Valve
- Hydrant
- Fire Hydrant
- Water Main
- Gas Main
- Electric Main
- Telephone Main
- Cable TV Main
- Unknown



City of Pacific Grove Collection System Inventory

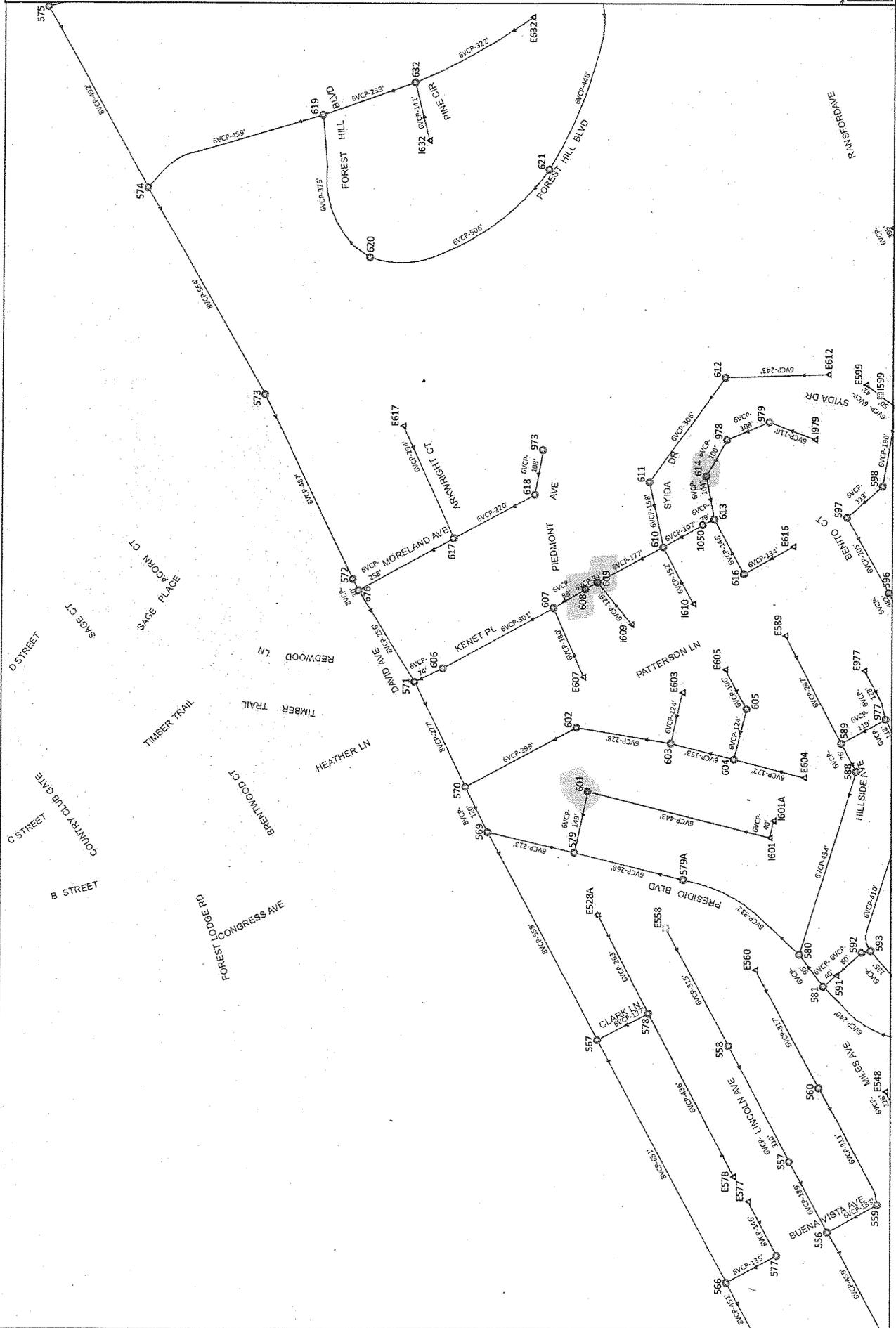


1 IN = 200 FT
Revision Date: Jan 2008

| | | |
|----|----|----|
| E1 | E2 | E3 |
| F1 | F2 | F3 |

Legend

- Manhole
- Inflow Point
- Stormwater Inlet
- Catch Basin
- Valve
- Manhole with Lid
- Manhole with Cover
- Manhole with Access
- Manhole with Vent
- Manhole with Vent and Access
- Manhole with Vent and Access and Lid
- Manhole with Vent and Access and Lid and Cover





Manholes Maintenance Report

01/01/2006 - 1/30/2013

| ID | Type | Maintenance Date | Hours | Comments | Recommendations | Comments |
|------|------|------------------|-------|------------------|------------------------------------|--|
| 1163 | IH | 5/9/2012 | 0.0 | | | VERY GOOD COND |
| 1164 | MH | 5/9/2012 | 0.0 | | RUN LINE TO OPEN UP FLOW | HOLDING WATER /M.H. GOOD COND |
| 1165 | MH | 5/9/2012 | 0.0 | | | GOOD COND |
| 1159 | MH | 5/9/2012 | 0.0 | | | GOOD COND |
| 808 | MH | 5/9/2012 | 0.0 | | EPOXY COAT OR SEAL / REPLACE COVER | POOR TO FAIR |
| 809 | MH | 5/9/2012 | 0.0 | | REPAIR / REPLACE CHANNEL | FAIR TO POOR COND |
| 309 | MH | 5/9/2012 | 0.0 | | | BRAND NEW M.H. 2012 |
| 377 | MH | 5/9/2012 | 0.0 | | | BRAND NEW M.H. 2012 |
| 411 | MH | 5/9/2012 | 0.0 | NO ELEV POSSIBLE | R&R | POOR COND |
| 407 | MH | 5/1/2012 | 0.0 | | | FAIR TO GOOD COND |
| 232 | MH | 5/1/2012 | 0.0 | | REPLACE RING ,FRAME , COVER | FAIR COND/ M.H. IS IN SAND DUNES SALT CORROSION AND 12 MAIN SULFIDES |
| 2 | MH | 5/1/2012 | 0.0 | | REPLACE COVER, FRAME | CANT OPEN COVER RUSTED TO FRAME CANT DO INSPECTION CORECTLY |

| ID | Type | Maintenance Date | Hours | Comments | Recommendations | Comments |
|------|------|------------------|-------|----------|-------------------------------|---|
| 46 | MH | 5/1/2012 | 0.0 | | REPLACE COVER, FRAME | CANT OPEN COVER RUSTED TO FRAME CANT DO COMPLETE INSPECTION |
| 61 | MH | 5/1/2012 | 0.0 | | REPLACE COVER, FRAME | CANT PULL COVER RUSTED TO FRAME INSPECTION INCOMPLETE |
| 77 | MH | 5/1/2012 | 0.0 | | REPLACE COVER, FRAME | FAIR COND |
| 113 | MH | 5/1/2012 | 0.0 | | | GOOD COND |
| 750 | MH | 5/1/2012 | 0.0 | | R/R MANHOLE | POOR COND/PRE CAST WITH A LINER AND GETTING EATEN UP |
| 2 | MH | 4/30/2012 | 0.0 | | REPLACE COVER, FRAME | CANT OPEN COVER RUSTED TO FRAME CANT DO INSPECTION CORECTLY |
| 6 | MH | 4/30/2012 | 0.0 | | REPLACE COVER AND FRAME ASAP | NEED TO REPLACE COVER AND FRAME |
| 1157 | MH | 4/23/2012 | 0.0 | | CLEAN SHELF AND CHANNEL | GOOD COND |
| 1129 | MH | 4/23/2012 | 0.0 | | | GOOD COND |
| 1122 | MH | 4/23/2012 | 0.0 | | | GOOD COND |
| 1138 | MH | 4/23/2012 | 0.0 | | | GOOD COND |
| 1153 | MH | 4/11/2012 | 0.0 | | | FAIR TO GOOD COND |
| 1168 | MH | 4/11/2012 | 0.0 | | REPLACE RESET FRAME AND COVER | FAIR COND |

| ID | Type | Maintenance Date | Hours | Comments | Recommendations | Comments |
|------|------|------------------|-------|----------|--|--|
| 1177 | MH | 4/11/2012 | 0.0 | | | GOOD COND |
| 701 | MH | 4/11/2012 | 0.0 | NEW | | GOOD COND |
| 237 | MH | 3/30/2012 | 0.0 | | R&R | POOR COND |
| 1149 | MH | 3/30/2012 | 0.0 | | FOAM TREAT REGROUT SEAL JOINTS | FAIR TO POOR COND |
| 1158 | MH | 3/30/2012 | 0.0 | | REGROUT AND SEAL JOINTS | FAIR COND |
| 1074 | MH | 3/30/2012 | 0.0 | | | FAIR TO COND |
| 1097 | MH | 3/30/2012 | 0.0 | | | GOOD COND |
| 124 | MH | 3/29/2012 | 0.0 | | R&R LID AND FRAME IN FUTURE | FAIR TO GOOD COND |
| 138 | MH | 3/29/2012 | 0.0 | | | FAIR TO GOOD COND |
| 170 | MH | 3/29/2012 | 0.0 | | | GOOD TO FAIR COND |
| 708 | MH | 3/29/2012 | 0.0 | | | FAIR COND |
| 588 | MH | 3/29/2012 | 0.0 | NTG | | GOOD TO FAIR COND |
| 424 | MH | 3/28/2012 | 0.0 | | | POOR COND |
| 431 | MH | 3/28/2012 | 0.0 | | | FAIR TO GOOD COND/ BROKEN PIECE ON FRAME |
| 438 | MH | 3/28/2012 | 0.0 | | | GOOD COND |
| 488 | MH | 3/28/2012 | 0.0 | | | GOOD TO FAIR COND |
| 274 | MH | 3/28/2012 | 0.0 | | COVER FRAME NEEDS TO BE RESET | GOOD COND |
| 298 | MH | 3/28/2012 | 0.0 | | | GOOD COND |
| 378 | MH | 3/28/2012 | 0.0 | | | GOOD TO FAIR COND |
| 317 | MH | 3/28/2012 | 0.0 | PHASE 2 | | GOOD COND |
| 320 | MH | 3/28/2012 | 0.0 | | | FAIR TO GOOD COND |
| 332 | MH | 3/28/2012 | 0.0 | | | GOOD COND |
| 294 | MH | 3/28/2012 | 0.0 | | | GOOD COND |

| ID | Type | Maintenance Date | Hours | Comments | Recommendations | Comments |
|------|------|------------------|-------|------------------|---|--|
| 337 | MH | 3/28/2012 | 0.0 | | | GOOD COND |
| 343 | MH | 3/28/2012 | 0.0 | | | GOOD COND |
| 346 | MH | 3/28/2012 | 0.0 | | | GOOD COND |
| 304 | MH | 3/27/2012 | 0.0 | | R/R | POOR COND |
| 311 | MH | 3/27/2012 | 0.0 | | | POOR TO FAIR COND |
| 314 | MH | 3/27/2012 | 0.0 | | R&R | POOR COND |
| 217 | MH | 3/27/2012 | 0.0 | | | GOOD TO FAIR COND/HI FLOW SULFIDE ENVIROMENT |
| 206 | MH | 3/27/2012 | 0.0 | | REPLACE RING AND COVER IN FUTURE | FAIR TO GOOD COND |
| 222 | MH | 3/27/2012 | 0.0 | NO ELEV POSSIBLE | | GOOD COND |
| 223 | MH | 3/27/2012 | 0.0 | | NEED TO REPLACE COVER AND FRAME IN FUTURE | GOOD COND |
| 127 | MH | 3/27/2012 | 0.0 | | | GOOD COND |
| 413 | MH | 3/27/2012 | 0.0 | NO ELEV POSSIBLE | | GOOD CONDITION |
| 201 | MH | 3/22/2012 | 0.0 | | | GOOD TO FAIR COND |
| 103 | MH | 3/22/2012 | 0.0 | | | FAIR COND |
| 235 | MH | 3/22/2012 | 0.0 | | | GOOD COND |
| 244 | MH | 3/22/2012 | 0.0 | | | FAIR COND |
| 246 | MH | 3/22/2012 | 0.0 | | | FAIR TO GOOD |
| 1196 | MH | 3/22/2012 | 0.0 | New MH per Vince | | GOOD COND |
| 1139 | MH | 3/20/2012 | 0.0 | | | FAIR TO POOR COND |
| 881 | MH | 3/20/2012 | 0.0 | | CLEAN AND GROUT TO SEAL | POOR TO FAIR COND |
| 507 | MH | 3/20/2012 | 0.0 | | | GOOD COND |
| 518 | MH | 3/20/2012 | 0.0 | | | GOOD COND |

| ID | Type | Maintenance Date | Hours | Comments | Recommendations | Comments |
|------|------|------------------|-------|----------|-------------------------|--|
| 537 | MH | 3/20/2012 | 0.0 | | | GOOD COND |
| 541 | MH | 3/20/2012 | 0.0 | | | GOOD COND |
| 560 | MH | 3/20/2012 | 0.0 | | | GOOD COND |
| 525 | MH | 3/19/2012 | 0.0 | | R/R | POOR COND |
| 609 | MH | 3/19/2012 | 0.0 | NEW | | GOOD COND |
| 606 | MH | 3/19/2012 | 0.0 | | | GOOD COND |
| 517 | MH | 3/19/2012 | 0.0 | | | FAIR TO POOR COND/HIGH FLOW INLET EATING SHELF |
| 513 | MH | 3/19/2012 | 0.0 | | RE LINE OR EPOXY COTE | GOOD TO FAIR COND/FORCE MAIN PUMPS IN TO M.H. ERODING SULFIDED LINER IS COMING APART |
| 826 | MH | 3/19/2012 | 0.0 | | | POOR COND/RING HAS A BROKEN PIECE |
| 734 | MH | 3/19/2012 | 0.0 | | | FAIR COND |
| 736 | MH | 3/19/2012 | 0.0 | NTG | | FAIR COND |
| 692 | MH | 3/19/2012 | 0.0 | NEW | | GOOD COND |
| 674 | MH | 3/19/2012 | 0.0 | | R/R | POOR COND |
| 643 | MH | 3/19/2012 | 0.0 | | | GOOD COND |
| 681 | MH | 3/19/2012 | 0.0 | | | GOOD COND |
| 1202 | MH | 3/19/2012 | 0.0 | NA | | GOOD COND |
| 694 | MH | 3/16/2012 | 0.0 | | | GOOD COND |
| 703 | MH | 3/16/2012 | 0.0 | | R&R | POOR COND |
| 732 | MH | 3/16/2012 | 0.0 | | REPLACE COVER AND FRAME | GOOD TO FAIR COND |
| 743 | MH | 3/16/2012 | 0.0 | | | GOOD COND |
| 798 | MH | 3/16/2012 | 0.0 | | R&R | POOR COND |
| 607 | MH | 3/16/2012 | 0.0 | | | POOR TO FAIR |
| 574 | MH | 3/15/2012 | 0.0 | | | POOR COND |

| ID | Type | Maintenance Date | Hours | Comments | Recommendations | Comments |
|-----|------|------------------|-------|----------|---|--|
| 527 | MH | 3/15/2012 | 0.0 | | | POOR COND |
| 532 | MH | 3/15/2012 | 0.0 | | | FAIR TO POOR |
| 546 | MH | 3/15/2012 | 0.0 | | | POOR TO FAIR/ BARREL SIZE IS 36 |
| 571 | MH | 3/15/2012 | 0.0 | | R&R | VERY POOR/REPLACE |
| 806 | MH | 3/15/2012 | 0.0 | | | POOR COND |
| 766 | MH | 3/15/2012 | 0.0 | | | GOOD COND |
| 838 | MH | 3/15/2012 | 0.0 | | SEAL OR R&R | POOR COND |
| 746 | MH | 3/15/2012 | 0.0 | | R&R | POOR COND |
| 259 | MH | 3/14/2012 | 0.0 | | CLEN OUT CHANNEL | POOR TO FAIR COND |
| 264 | MH | 3/14/2012 | 0.0 | | | POOR COND |
| 330 | MH | 3/14/2012 | 0.0 | | | FAIR COND |
| 497 | MH | 3/14/2012 | 0.0 | | | GOOD COND |
| 477 | MH | 3/13/2012 | 0.0 | | | POOR COND |
| 448 | MH | 3/13/2012 | 0.0 | | | POOR COND |
| 292 | MH | 3/13/2012 | 0.0 | | | FAIR TO POOR |
| 300 | MH | 3/13/2012 | 0.0 | | | POOR COND |
| 241 | MH | 2/28/2012 | 0.0 | | REPLACE REBUILD | POOR TO FAIR REPLACE |
| 247 | MH | 2/28/2012 | 0.0 | | REPLACE COVER AND FRAME ASAP | NEED TO RELACE COVER ASAP CANT OPEN |
| 161 | MH | 2/28/2012 | 0.0 | | REPLACE AND REMOVE UTILITY SERVICE POSSIBLE GAS MAIN RUNNING THROUGH | POOR COND NEED TO REPLACE |
| 169 | MH | 2/28/2012 | 0.0 | | CLEN SHELF AND CHANEL | FAIR TO POOR COND |

| ID | Type | Maintenance Date | Hours | Comments | Recommendations | Comments |
|------|------|------------------|-------|------------------------------|---------------------------------------|---|
| 221 | MH | 2/28/2012 | 0.0 | | ROOT TREAT AND REMOVE UTILITY IN M.H. | FAIR FOAM FOR ROOTS |
| 94 | MH | 2/28/2012 | 0.0 | | CLEAN SHELF AND CHANNEL | ROOTS ON SHELF POOR COND/ ROOTTREAT M.H. |
| 6 | MH | 2/28/2012 | 0.0 | | REPLACE COVER AND FRAME ASAP | NEED TO REPLACE COVER AND FRAME |
| 460 | MH | 2/28/2012 | 0.0 | | REPLACE COMPLETE | POOR REPLACE |
| 434 | MH | 2/28/2012 | 0.0 | | FOAM ROOTS AND LINE | POOR COND REPLACE ROOTS BAD FOAM |
| 25 | MH | 1/27/2012 | 0.0 | | NONE | FAIR COND |
| 81 | MH | 1/27/2012 | 0.0 | | CLEAN SHELF | FAIR COND |
| 214 | MH | 1/27/2012 | 0.0 | | REPLACE | POOR COND |
| 104 | MH | 1/27/2012 | 0.0 | | CLEAN SHELF AND CHANNEL | POOR TO FAIR COND |
| 501 | MH | 11/14/2011 | 0.0 | | | FAIR TO POOR COND |
| 435 | MH | 10/28/2011 | 0.0 | | | BRAND NEW CONSTRUCTION 2011 OCTOBER |
| 400 | MH | 10/28/2011 | 0.0 | INV 33.75' IN AND 33.75" OUT | | GOOD COND |
| 1132 | MH | 10/26/2011 | 0.0 | NO ELEV POSSIBLE | | FAIR COND |
| 1161 | MH | 10/26/2011 | 0.0 | NO ELEV POSSIBLE | | FAIR COND |
| 1057 | MH | 10/26/2011 | 0.0 | NO ELEV POSSIBLE | | FAIR COND/ UNACCESSIBLE STRUCTURE BUILT OVER M.H. |

APPENDIX 4G

Weekly Chemical Root Control Log and HMA List

Weekly Chemical Root Control Report: May 9-13, 2011
Hot Spot Lines by Due Date

2011

Chemical root control

WEEK OF May 9th - 13th

15,126 feet treated

Collection System Inventory

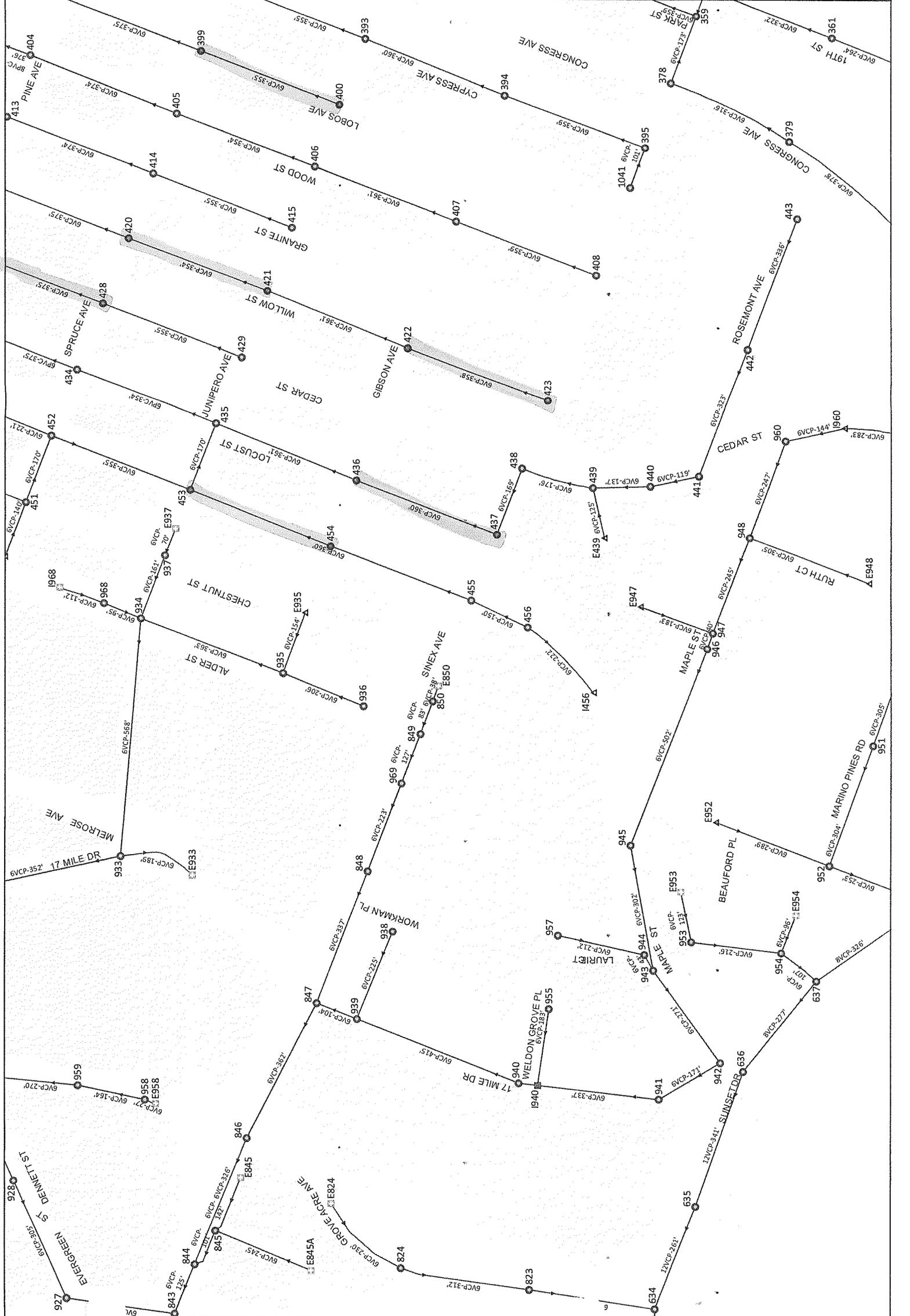
City of Pacific Grove



1 IN = 200 FT
 Revision Date: Jan 2006

| | | |
|----|----|----|
| C1 | C2 | C3 |
| D1 | D2 | D3 |
| E1 | E2 | E3 |

- Legend**
- Collection System
 - Box
 - High Point
 - Invert Elevation
 - Manhole
 - Valve
 - Water Station
 - Sewer Station



HOT SPOT LINES BY DUE DATE

1. 08/09/2012 588-580 hillside (F-2) 9 month
2. 08/09/2012 1007-339 19th (C-3) 9 month
3. 09/05/2012 503-502 corp. yard to p.b. (E-1) 2 month
4. 12/06/2012 006-010 sloat @ eardly (D-4) 9 month
5. 12/12/2012 453-435 junipero (D-2) 9 month
6. 12/12/2012 869-868 short (C-2) 6 month
7. 12/18/2012 598-597 Benito ct (F-2) 6 month
8. 12/18/2012 599-598 Benito ct (F-2) 6 month
9. 12/21/2012 390-389 Laurel (C-3) 6 month
10. 01/08/2013 274-266 Hillcrest (E-3) 6 month
11. 01/09/2013 529-538 Buena Vista (G-1) 6 month
12. 01/10/2013 764-I763 Bay view (B-2) 6 month
13. 01/10/2013 I763-763 Bay view (B-2) 6 month
14. 01/11/2013 888-860 R/R Way (B-2) 6 month
15. 03/06/2013 708-707 Balboa (A-2) 9 month
16. 03/06/2013 I774A-774 Ripple (B-2) 9 month
17. 03/06/2013 I773-773 Balboa (B-3) 9 month
18. 03/06/2013 732-731 Spray (B-2) 9 month
19. 03/06/2013 890-888 R/R Way (B-2) 9 month
20. 03/06/2013 I715-715 Egan (B-2) 9 month
21. 03/07/2013 300-299 Grand (D-3) 9 month
22. 03/07/2013 384-383 Laurel (C-3) 9 month
23. 03/07/2013 417-416 Short (C-2) 9 month
24. 03/08/2013 458-457 Alder (C-2) 9 month
25. 03/08/2013 E462-462 Heacock (C-2) 9 month
26. 03/08/2013 E463-463 Walcott (C-2) 9 month
27. 03/12/2013 871-870 Ridge (C-2) 9 month
28. 03/12/2013 870-869 Ridge (C-2) 9 month
29. 03/12/2013 999-914 Grove acres (C-2) 9 month
30. 03/12/2013 I884-E884 Crocker to R/R Way (C-1/C-2) 9 month
31. 03/12/2013 885-I884 Crocker to R/R Way (C-2) 9 month
32. 03/12/2013 460-457 Lighthouse (C-2) 9 month
33. 03/15/2013 1021-141 7th (D-4) 9 month
34. 03/21/2013 E649/469 Ceder (C-2) 9 month
35. 03/26/2013 407-406 Gibson (D-2) 9 month
36. 03/27/2013 380-379 Congress (D-2) 9 month
37. 04/03/2013 921-920 Dennett (C-2) 9 month
38. 04/03/2013 213-204 Carmel (C-3) 9 month
39. 04/03/2013 222-221 12th (D-3) 9 month

40. 04/03/2013 225-224 12th (D-3) 9 month
41. 04/09/2013 537-541 Funston (G-1) 9 month
42. 04/16/2013 311-310 Pine (D-3) 9 month
43. 04/12/2013 666-665 Congress (E-2) 9 month
44. 04/16/2013 141-140 Lighthouse (D-4) 9 month
45. 04/16/2013 312-311 Spruce (D-3) 9 month
46. 04/17/2013 516-515 Majella (F-1) 9 month
47. 04/17/2013 515-514 Majella (F-1) 9 month
48. 05/14/2013 027-026 2nd (E-3/E-4) 9 month
49. 05/14/2013 026-025 2nd (E-4) 9 month
50. 05/14/2013 025-I025 2nd (E-4) 9 month
51. 05/14/2013 I025-024 2nd (E-4) 9 month
- 52.05/14/2013 024-023 2nd (D-4) 9 month

APPENDIX 4H

Contract with MRWPCA for Sewage Lift Station Maintenance

ORIGINAL

AGREEMENT FOR MAINTENANCE
OF SEWAGE LIFT STATIONS

THIS AGREEMENT is made and entered into on June 23, 2008, by and between the CITY OF PACIFIC GROVE, a California Municipal Corporation, hereinafter called "City", and the MONTEREY REGIONAL WATER POLLUTION CONTROL AGENCY, a California Joint Powers Agency, hereinafter referred to as "MRWPCA", City and MRWPCA are sometimes herein referred to individually as "Party" and collectively as "Parties", as follows:

RECITALS

A. On July 1, 1977, as part of the implementation of a regional wastewater management system to serve northern Monterey County, the MRWPCA acquired the wastewater treatment plant previously owned and operated by the City. The ownership and responsibility for the sewage collection system within the City's internal sewage collection system were retained by and remain with the City, except for the Coral Street and Fountain Avenue stations..

B. Coincident with the July 1, 1977 acquisition of the City's treatment plant, and by mutual agreement between the City and the MRWPCA, the personnel previously employed by the City to operate and maintain its treatment plant terminated their employment with the City and became employees of the MRWPCA.

C. On November 16, 1977 and amended in part on October 26, 1990, the Parties entered into an Agreement for Maintenance of Sewage Lift Stations which they now intend to terminate and to replace in its entirety with this Agreement to continue MRWPCA's operation and maintenance of the City-owned lift stations.

TERMS AND CONDITIONS

In consideration of the mutual promises contained herein, the City and the MRWPCA hereby agree to the following terms and conditions:

1. Services to be Performed. The MRWPCA agrees to perform the following types of services to those sewage lift stations owned by the City and specifically described in Section 15 of this Agreement:

(a) Normal operational services including regular periodic visits to each lift station for the purposes of checking the operational status of all electrical and mechanical equipment located at the lift station; making appropriate operational adjustments; reading meters, cleaning debris from bar screens; washing down fouled surfaces; and all other duties typically associated with normal lift station operation. The frequency of such periodic visits will normally be once per week unless, in the opinion of the MRWPCA, a particular lift station requires less or more

frequent visits. The City may at any time request and receive a revision of the then current frequency of such regular visits.

(b) Normal preventive maintenance services as recommended by the manufactures of the equipment involved and/or as based on previous maintenance experience, to all electrical and mechanical equipment located at the lift stations. These services will include such work items as lubrication; fluid change and replacement; packing adjustment and replacement; operating valves; and cleaning of moving parts of the mechanical equipment.

(c) Repairs and major maintenance services, as required due to wear and tear of equipment failure and/or as recommended by the manufacturers involved, to all electrical and mechanical equipment located at the lift stations. These services will include such work items as motor replacement; bearing replacement; gasket replacement; and removal of equipment from its installed location, transport to and from a repair location, and reinstallation of the repaired or replaced piece of equipment. MRWPCA staff will attempt to keep lift stations operational while performing work of this type by making appropriate operational adjustments to utilize backup equipment installed at the lift stations. If the operation of a lift station will be significantly impaired during the course of performing work of this type, the Public Works Department of the City will be so advised, in advance of performing the work if possible, in order to develop a method of minimizing impairment. The City may be asked to provide reasonable assistance in the form of manpower and equipment to MRWPCA personnel in performing unusual types of lift station work for which the MRWPCA is not properly staffed or equipped to perform. In the event such assistance cannot be provided, the MRWPCA is authorized to rent special equipment and/or utilize additional non-staff manpower in such instances.

2. Working Hours. Work of the type described in Sections 1.a and 1.b will be performed during normal working hours, if at all possible. Work of the type described in Section 1.c will also be performed during normal working hours unless, in the opinion of MRWPCA staff, the circumstances constitute an emergency which requires immediate action. Under these conditions such work may be performed outside of normal working hours and at prevailing overtime labor rates.

3. Emergency Callback. MRWPCA staff will provide 24-hour-a-day, 7-day-a-week response to emergency trouble calls involving the lift stations covered by this Agreement.

4. Parts and Materials. The MRWPCA will maintain an adequate supply of lubricants, fluids, packing materials, gasket materials, and other parts and material necessary to accomplish the work described in Sections 1.a and 1.b. Special materials and/or replacement parts required to accomplish the work described in Section 1.c will either be kept available by the MRWPCA as standby items or obtained as needed, at the discretion of the MRWPCA. The City will be billed for such items as soon as MRWPCA is billed for them by the supplier involved. The City may at any time review the spare parts inventory and request changes therein.

5. Division of Responsibilities. The responsibilities for operation and maintenance shall be divided between the involved parties in the following manner:

(a) For below-ground lift station structures the MRWPCA will perform all operation and maintenance work to both the structure and the equipment. This work will include repairs, replacement, painting, cleaning, and general upkeep.

(b) For lift stations which involve above-ground structures, the MRWPCA will perform those services as described in Section 5.a only to those facilities or portions of the structure located inside the structure. The exterior of the above-ground structure and the grounds around the structure will be maintained by the City. With regard to this latter type of work, the MRWPCA will inform the City if its staff observes the need for such work to be performed.

(c) In the event of a sewage backup or flooding of a lift station, MRWPCA personnel will clear the interior of the lift station structure of such sewage and debris and restore it to proper operating condition and a normal state of cleanliness. The City will perform this type of cleanup work to the area surrounding the structure, including the adjacent street(s) and/or property, if necessary.

6. Hold Harmless and Indemnity.

(a) The City shall defend, indemnify and hold harmless MRWPCA from any and all damages, liabilities, losses, claims and costs or expenses (hereinafter collectively "Claims") arising out of, relating to, resulting from or in conjunction with maintenance activities, including cleanup, by the City, or any of its other contractors, subcontractors, employees or agents, to the extent such are determined to be caused by the negligence or willful misconduct of the City, any of its other contractors, subcontractors, employees or agents. Nothing in this Agreement is intended or shall be construed as an assumption by MRWPCA of any responsibility arising under any applicable law or regulation, including the common law, for liability for payment of any fine or civil penalty levied against the City by a regulatory agency.

(b) MRWPCA shall defend, indemnify and hold harmless the City from any and all Claims arising out of, relating to, resulting from or in conjunction with the operation, maintenance and repairs to be performed by MRWPCA, or any of its employees, subcontractors or agents, under this Agreement, to the extent such are determined to be caused by the negligence or willful misconduct of MRWPCA, its employees, subcontractors or agents. Nothing in this Agreement is intended or shall be construed as an assumption by MRWPCA of any responsibility arising under any applicable law or regulation, including the common law, for liability for payment of any fine or civil penalty levied against the City by a regulatory agency.

(c) In the event of concurrent negligence of the Agency, its employees,

subcontractors or agents, and City, its other contractors, subcontractors, employees or agents, then the liability for any and all Claims which arise out of the terms and conditions of this Agreement shall be appointed under the California theory of comparative negligence as established presently, or as may be hereafter modified.

7. Insurance/Self Insurance. The Parties are either insured or self-insured as to any requirements under this Agreement. No policies or bonds are required of either party as to any provisions of this Agreement. The Parties are aware of and shall comply with the requirements of Section 3700 of the Labor Code of the State of California at its own cost and expense and further, neither Party nor its carrier shall be entitled to recover from the other any costs, settlements, or expenses of Workers' Compensation claims arising out of this Agreement.

8. Methods of Compensation. The MRWPCA will provide to the City an invoice for the actual costs of all labor and materials supplied by the MRWPCA for the services rendered under the provisions of this Agreement. Labor rates will be those prevailing at the time the work is performed and will be at net cost to the MRWPCA. Labor rates will include direct salary, labor benefits and a 10% overhead. Cost of materials will be at net cost to the MRWPCA. Driving time to and from the lift stations will be included in the invoiced charges, and vehicle charges for this purpose will also be included. Work involving the services of a contractor, a machine shop, or other non-MRWPCA owned facility will be charged to the City on the invoice at net cost to the MRWPCA. Improvements to upgrade the condition and/or performance of the lift stations will be agreed to in advance by the parties involved before costs for such improvements are incurred. Any other expenses directly associated with the performance of the provisions of this contract will be charged in a manner acceptable to both the City and the MRWPCA.

9. Rendering of Invoices. Labor and materials to perform routine work as described in Sections 1.a and 1.b will be invoiced on a quarterly basis and in the manner described in Section 6. Costs associated with the types of work described in Section 1.c may be invoiced along with these regular quarterly billings, or may be invoiced separately, at the discretion of the MRWPCA. The City agrees to pay the amounts invoiced for each and all the foregoing services within 30 calendar days from the date of the receipt of the invoice.

10. Independent Contractors. It is expressly understood that this is an agreement between two (2) independent contractors and that no agency, employee, partnership, joint venture, or other relationship is established by this Agreement. The intent by both Parties is to create an independent contractor relationship.

11. Authorization to Incur Costs. The City authorizes the MRWPCA to incur all costs necessary to properly perform those services described in Sections 1.a and 1.b. The City authorizes the MRWPCA to incur costs up to a maximum expenditure of \$1,000 during any one quarterly invoice period to perform repair and/or major maintenance work as described in Section 1.c. if the total amount of such expenditures will exceed \$1,000 during any given

quarter, the City will be notified prior to exceeding this amount. This notification will be made initially by telephone to the City Public Works Director, and will be immediately followed up with a written memo describing the repair or maintenance work to be performed and the estimated costs involved. In the event that in the opinion of the MRWPCA an emergency condition arises in which immediate action is required in order to prevent property damage or a health hazard from developing, the City authorizes the MRWPCA to make expenditures for such services and/or materials as are necessary to correct these conditions without advance notification. In such instances, the City will be notified as soon thereafter as possible.

12. Budget Planning Assistance. To assist in budget planning, the City may request the MRWPCA to make periodic recommendations regarding capital improvements necessary to ensure continued proper operation of the lift stations.

13. Modification and Termination of Agreement. This Agreement shall be deemed to have become effective on the date first written above and shall continue thereafter from fiscal year to fiscal year unless sooner terminated by either party by 90 days written notice from one party to the other. The provisions of this Agreement are subject to review and modification at any time upon the mutual consent of the MRWPCA and the City.

14. Attorney's Fees. In the event it shall become necessary to commence or defend litigation for purposes of enforcing this Agreement or rights hereunder, the prevailing party shall be entitled to recover reasonable attorney's fees and costs.

15. Facilities Covered by This Agreement. The sewage lift stations to which the provisions of the Agreement apply are:

| <u>Lift Station Designation</u> | <u>Location</u> |
|---------------------------------|--|
| Station #11 | Ocean View & Eardley |
| Station #12 | Ocean View & 9 th |
| Station #14 | Ocean View & 17 th (Lover's Point Park) |
| Station #15.5 | Ocean View & Crespi Pond |
| Station #16 | Sunset & Arena |
| Station #17 | Beachcomber Motel |
| Station #18 | Russell Service Center |

IN WITNESS WHEREOF, the parties have executed this Agreement on the dates herein below

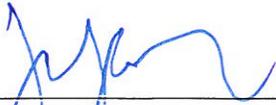
indicated for each.

MONTEREY REGIONAL WATER
POLLUTION CONTROL AGENCY

By: 
Keith Israel
General Manager

Date: 10/27/08

CITY OF PACIFIC GROVE

By: 
James J. Colangelo
City Manager

Date: 10-21-08

APPENDIX 4I

Example Lift Station Logs, Scheduled Work Orders, and Lift Station Work Orders

Lift Station #11 Log: January 2008

Scheduled Work Orders: January – February 2012

Lift Station Work Order: March 2013



Monterey Regional Water Pollution Control Agency

"Dedicated to meeting the wastewater and recycled water needs of our member agencies, while protecting the environment."

Treatment Facility and Water Recycling Project:

Mailing Address: P.O. Box 1790, Marina, CA 93933-1790

Shipping Address Only: 14811 Del Monte Blvd., Marina CA 93933

(831) 883-1118 or 424-1108, FAX: (831) 883-0516

Website: www.mrwPCA.org

FAX TRANSMISSION COVER SHEET

DATE: 2-28-13

TIME: _____

TO: BILL CALLAHAN

ATTN: _____

FAX #: 805 544 4294

FROM: TRET BOATMAN

RE: LOG BOOK ENTRY & READING SHEET

NUMBER OF PAGES INCLUDING COVER SHEET: 3

DOCUMENT(S) BEING SENT: _____

REMARKS: _____

| MONTH: <u>Jan</u> YEAR: <u>2008</u> STATION: <u>11</u> | | | | | | |
|--|----------------|-------|----------------|-------|------------------|-------|
| DAY | SEWAGE PUMP #1 | | SEWAGE PUMP #2 | | ELECTRICAL METER | |
| | HOURS | TOTAL | HOURS | TOTAL | HOURS | TOTAL |
| 1 | | | | | | |
| 2 | 6118.0 | 2.1 | 5864.0 | 2.3 | 2474 | 23.8 |
| 3 | | 2.5 | | 3.0 | | 25.5 |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | 6133.0 | 2.5 | 5882 | 3.0 | 2627 | 25.5 |
| 9 | | 2.1 | | 2.5 | | 25.2 |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | 6148.0 | 2.1 | 5900.0 | 2.5 | 2804 | 25.2 |
| 16 | | 2.0 | | 2.0 | | 24.5 |
| 17 | | 2.6 | | 2.0 | | |
| 18 | 6154 | 2.4 | 5906 | 2.8 | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | 6166 | 2.4 | 5920 | 2.8 | 3000 | 24.5 |
| 24 | | 3.0 | | 3.6 | | 34.5 |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | 6184.0 | 3.0 | 5942.0 | 3.6 | 3207 | 34.5 |
| 30 | | 2.8 | | 3.1 | | 31.2 |
| 31 | | | | | | |

f2
LAGGED

READINGS
PUMPS

AD/DH
CHECKLIST
PUMPS

1-23-08
SR/AD

PURGE/DRAIN
ALARMS

READINGS + WEEKLY CHECKS, PURGE + DRAIN
RUN PUMPS

1-18-08 BB

1000 CRIT ADV ALARM - FOUND SP #2
TRIPPED. RESET + TESTED. TRIPPED
AGAIN. BACKFLOWED, TRIPPED, SWAPPED
MOTOR LEAD, RAN PUMP BACKWARDS.
SWAPPED TO NORMAL ROTATION. PUMP RUNS
18.4 AMPS COMPARED TO 14.4 AMPS SP#1.

1-23-08 SR/AD

READINGS + WEEKLY READINGS. PULLED
F.I. FLOAT, PURGE + DRAIN. RAN PUMPS.
SENT ALARMS

300 1-27-08 BB

CRIT/ADV ALARM - BOTH PUMPS PUMPING
CANT KEEP UP. RAINING CATS, DOGS,
+ CHICKS IS RIGHT NOW.

1-29-08 A-D

READINGS + WEEKLY CHECKS, PURGE + DRAIN
RUN PUMPS

MRWPCA CITY BILLING FORM

CITY OF: **PACIFIC GROVE**

MONTH / YEAR: **JANUARY 2012**

| EMPLOYEE | DEPARTMENT | HOURS | VEHICLE / EQUIP | HOURS |
|-----------------|-------------------|--------------|------------------------|--------------|
| ACE | 40 | 8.5 | | |
| BELLONE | 32 | | | |
| DELGADO | 32 | | | |
| GONZALES | 40 | | 1433 | |
| HUSTON | 32 | | 1443 | |
| KEIM | 32 | | 1444 | |
| LAMONT | 40 | | 1453 | |
| RODEWALD | 32 | 8.5 | 1463 | |
| SALAS | 40 | 3 | 1470 | 11.5 |
| SNYDER | 40 | 3 | 1475 | |
| TOTAL | | 23 | | 11.5 |

COMMENTS:

| | |
|-----------------------------------|----------|
| CODE II'S WITH OVERTIME | 2 |
| CODE II'S WITHOUT OVERTIME | 7 |

CITY STATION MONTHLY TIME SHEET

| Month: JAN | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 11 | |
|------------------------------------|----------------|------------|----|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 1/4 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | | |
| 1/10 | 1 | 2 | 4 | 1470 | .25 | SR | .25 |
| | 5 | 11 | | | | | |
| 1/18 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | | |
| 1/24 | 1 | 2 | 3 | 1470 | .25 | KS | .25 |
| | 4 | 5 | 11 | | | | |
| 1/31 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.25 | TA | 1.0 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 1.0 |
| 3. Ck wet / dry wells ck. viv pit. | | | | | | JS | .25 |
| 4. Ck. pump operation | | | | | | KS | .25 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: JAN | | Year: 2012 | | City: Pacific Grove | | Sta.# 12 | |
|------------------------------------|----------------|------------|----|--|----------------|----------|------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 1/4 | 1 | 2 | 3 | 1470 | .5 | SR | .5 |
| | 4 | 5 | 11 | | | TA | .5 |
| 1/24 <small>* NEW STR</small> | 1 | 2 | 3 | 1470 | .75 | KS | .75 |
| | 4 | 5 | 11 | | .75 | JS | .75 |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.25 | TA | .5 |
| 2. Purge / Drain / Bubbler | | | | | | SR | .5 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | SS | .75 |
| 4. Ck. pump operation | | | | | | KS | .75 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: JAN | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 14 | |
|------------------------------------|---|------------|----|--|------|----------|------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 1/4 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 1/4 | Filled Generator diesel tank with approx. 25 gal. | | | 1470 | 1.00 | EK | 1.00 |
| | 20120005 | | | | | | |
| 1/10 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 1/18 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 1/24 | 1 | 2 | 3 | 1470 | .25 | KS | .25 |
| | 4 | 5 | 11 | | | JS | .25 |
| 1/31 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.25 | TA | 1.0 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 1.0 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .25 |
| 4. Ck. pump operation | | | | | | KS | .25 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

Code II

CITY STATION MONTHLY TIME SHEET

| Month: | JAN | Year: | 2012 | City: | PACIFIC GROVE | Sta.# | 15.5 |
|------------------------------------|----------------|-------|------|--|---------------|----------|------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 1/4 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 1/11 | 1 | 2 | 4 | 1470 | .25 | SR | .25 |
| | 5 | | | | | TA | .25 |
| 1/18 | 1 | 2 | 4 | 1470 | .25 | SR | .25 |
| | 5 | | | | | TA | .25 |
| 1/24 | 1 | 2 | 4 | 1470 | .25 | KS | .25 |
| | 5 | | | | | JS | .25 |
| 1/31 | 1 | 2 | 4 | 1470 | .25 | SR | .25 |
| | 5 | 3 | | | | TA | .25 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.25 | TA | 1.0 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 1.0 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .25 |
| 4. Ck. pump operation | | | | | | KS | .25 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: JAN | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 16 | |
|------------------------------------|----------------|------------|----|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 1/4 | 1 | 2 | 3 | 1470 | .5 | SR | .5 |
| | 4 | 5 | 11 | | | TA | .5 |
| 1/11 | 1 | 2 | 3 | 1470 | .5 | SR | .5 |
| | 4 | 5 | 11 | | | TA | .5 |
| 1/18 | 1 | 2 | 3 | 1470 | .5 | SR | .5 |
| | 4 | 5 | 11 | | | TA | .5 |
| 1/24 | 1 | 2 | 3 | 1470 | .75 | KS | .75 |
| | 4 | 5 | ⑥ | | | JS | .75 |
| | ⑦ | 11 | | | | | |
| 1/31 | 1 | 2 | 3 | 1470 | .5 | SR | .5 |
| | 4 | 5 | 11 | | | TA | .5 |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 2.75 | TA | 2.0 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 2.0 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .75 |
| 4. Ck. pump operation | | | | | | KS | .75 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: JAN | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 17 | |
|------------------------------------|----------------|------------|---|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 1/4 | 1 | 3 | 4 | 1470 | .5 | SR | .5 |
| | 5 | 11 | | | | TA | .5 |
| 1/10 | 1 | 3 | 4 | 1470 | .5 | SR | .5 |
| | 5 | 11 | | | | TA | .5 |
| 1/18 | 1 | 3 | 4 | 1470 | .5 | SR | .5 |
| | 5 | 11 | | | | TA | .5 |
| 1/24 | 1 | 3 | 4 | 1470 | .5 | KS | .5 |
| | 5 | 11 | | | | JS | .5 |
| 1/31 | 1 | 3 | 4 | 1470 | .5 | SR | .5 |
| | 5 | 11 | | | | TA | .5 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 2.5 | TA | 2.0 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 2.0 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .5 |
| 4. Ck. pump operation | | | | | | KS | .5 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: JAN | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 18 | |
|------------------------------------|----------------|------------|---|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 1/4 | 1 | 3 | 4 | 1470 | .25 | SR | .25 |
| | 5 | 11 | | | | TA | .25 |
| 1/11 | 1 | 3 | 4 | 1470 | .25 | SR | .25 |
| | 5 | 11 | | | | TA | .25 |
| 1/18 | 1 | 3 | 4 | 1470 | .25 | SR | .25 |
| | 5 | 11 | | | | TA | .25 |
| 1/24 | 1 | 3 | 4 | 1470 | .25 | KS | .25 |
| | 5 | 11 | | | | JS | .25 |
| 1/31 | 1 | 4 | | 1470 | .25 | SR | .25 |
| | | | | | | TA | .25 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.25 | TA | 1.0 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 1.0 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .25 |
| 4. Ck. pump operation | | | | | | KS | .25 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CODE II

CITY: PACIFIC GROVE

DATE: 1/4/12

W/O # 2012005

STATION: # 14

EMERGENCY: YES / NO

OVERTIME

| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIP. | HOURS | Y / N |
|----------|-------|-------|------------------|-------|-------|
| Kerm | 40 | 1.0 | 1453 | 1.0 | ✓ |
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PARTS

PRICE

DIESEL @ 3.50 GAL = \$87.50

Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

ADDED 25 GALS DIESEL TO GENERATOR.

CODE II

CITY: PACIFIC GROVE

DATE: 1/4/12 **W/O #** 20120005

STATION: # 14

EMERGENCY: YES / NO

OVERTIME

| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIP. | HOURS | Y/N |
|----------|-------|-------|------------------|-------|-----|
| 10258 | 40 | 1.0 | 1453 | 1.0 | |
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Levin

PARTS

PRICE

25 Gallons diesel

\$3.50/GAL

Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

ADDED DIESEL TO BACK-UP GENERATOR
TANK (25 Gallons)

CODE II

| CITY: PG | | | DATE: 1-9-12 | | | W/O # | |
|-------------|-------|-------|--------------------------|--|-------|-------|----------|
| STATION: 17 | | | EMERGENCY: <u>YES</u> NO | | | | OVERTIME |
| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIPT. | | HOURS | Y / N | |
| Foley | 40 | 2 | 1510 | | 2 | N | |
| Confer | 40 | 1 | | | | | |
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| PARTS | | | | | PRICE | |
|-------|--|--|--|--|-------|--|
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Please attach a copy of the invoice to this code II form

DESCRIPTION OF WORK PERFORMED :

Investigate problem with power fail alarm on DC alarm system. Tested alarms and problem resolved.

CODE II

CITY: PACIFIC GROVE

DATE: 1/20/12 **W/O #**

STATION: #14

EMERGENCY: YES / NO

OVERTIME

| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIP. | HOURS | (Y) N |
|----------|-------|-------|------------------|-------|-------|
| ACE | 40 | 2 | 1470 | 2 | 2 |
| | | | | | |
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PARTS

PRICE

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Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

RESPONDED TO SCADA LOCKED IN AT STATION. ALLEN-BRADLEY DISPLAY UNREADABLE AT THIS TIME. RESET UPS AND CLEARED SCADA, PULLED F.R. FLOAT AND SENT ALARM - CONTROL RECEIVED ALARM ON SCADA/DAQ, WATCHED STATION FOR PROPER OPERATION. EVERYTHING IS NORMAL AT STATION EXCEPT ALLEN-BRADLEY SCREEN IS UNREADABLE. X PLC WAS ~~LOCKED~~^{OFF} UPON ARRIVAL BUT REBOOTED WHEN THE UPS WAS TURNED OFF/ON

CODE II

CITY: PG

DATE: 1-21-12 W/O #

STATION: 14

EMERGENCY: YES/NO

OVERTIME

| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIP. | HOURS | Y/N |
|----------|-------|-------|----------------------|-------|-----|
| Foley | 40 | 2 | 1510 | 2 | 2 |
| Acc | 40 | 2 | 1498 1470 | 2 | 2 |
| | | | | | |
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PARTS

PRICE

1 ups-

100.00

Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

ups failed and control power to PLC was lost. Replaced ups with new unit.

CODE II

CITY: PG

DATE: 1-24-12 W/O #

STATION: 17

EMERGENCY: YES/NO

OVERTIME

| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIP. | HOURS | Y / N |
|----------|-------|-------|------------------|-------|-------|
| Foley | 40 | .5 | 1510 | .5 | N |
| | | | | | |
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| PARTS | | | | PRICE | |
|-------|--|--|--|-------|--|
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Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

Installed new resistors for mission alarm pump run time.

CODE II

CITY: PG

DATE: 1-27-12 W/O #

STATION: 14 Storm water

EMERGENCY: YES/NO

OVERTIME

| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIP. | HOURS | Y / N |
|----------|-------|-------|------------------|-------|-------|
| Foley | 40 | 1.5 | 1510 | 1.5 | N |
| | | | | | |
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PARTS

PRICE

| | |
|-------------------------------|------------------|
| Weather head 2" | 21.16 |
| 4-bolts + hardware | 37.86 |
| Billed on another invoice. | |

Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

Replaced antenna mount for stormwater pump station SCADA.

CODE II

CITY: P6

DATE: 1-30-12 W/O #

STATION: 18

EMERGENCY: YES/NO

OVERTIME

EMPLOYEE

DEPT.

HOURS

VEHICLE / EQUIP.

HOURS

Y/N

Foley

40

2

1510

2

N

PARTS

PRICE

Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

Installed 820 ohm 2 watt resistor on DC phone alarm so alarm comes in when power fails. Tested alarm and works correctly.

MRWPCA CITY BILLING FORM

CITY OF: **PACIFIC GROVE**

MONTH / YEAR: **FEBRUARY 2012**

| EMPLOYEE | DEPARTMENT | HOURS | VEHICLE / EQUIP | HOURS |
|--------------|------------|-----------|-----------------|-----------|
| ACE | 40 | 9.5 | | |
| BELLONE | 32 | | | |
| DELGADO | 32 | | | |
| GONZALES | 40 | | 1433 | |
| HUSTON | 32 | | 1443 | |
| KEIM | 32 | | 1444 | |
| LAMONT | 40 | | 1453 | |
| RODEWALD | 32 | 10.25 | 1463 | |
| SALAS | 40 | 3.5 | 1470 | 13 |
| SNYDER | 40 | 2.75 | 1475 | |
| TOTAL | | 26 | | 13 |

COMMENTS:

| | |
|-----------------------------------|----------|
| CODE II'S WITH OVERTIME | 0 |
| CODE II'S WITHOUT OVERTIME | 2 |

CITY STATION MONTHLY TIME SHEET

| Month: FEB | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 11 | |
|------------------------------------|----------------|------------|----|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 2/7 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 2/14 | 1 | 2 | 3 | 1470 | .25 | KS | .25 |
| | 4 | 5 | 11 | | | JS | .25 |
| 2/22 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 2/28 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
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| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.0 | TA | .75 |
| 2. Purge / Drain / Bubbler | | | | | | SR | .75 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .25 |
| 4. Ck. pump operation | | | | | | KS | .25 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: | FEB | Year: | 2012 | City: | PACIFIC GROVE | Sta.# | 12 |
|------------------------------------|----------------|-------|------|--|---------------|----------|------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 2/2 | 1 | 2 | 3 | 1470 | .75 | SR | .75 |
| | 4 | 5 | 11 | | | SS | .75 |
| | | | | | | | |
| 2/7 | 1 | 2 | 3 | 1470 | .75 | SR | .75 |
| | 4 | 5 | 11 | | | TA | .75 |
| | | | | | | | |
| 2/14 | 1 | 2 | 3 | 1470 | .75 | KS | .75 |
| | 4 | 5 | 11 | | | JS | .75 |
| | | | | | | | |
| 2/22 | 1 | 2 | 3 | 1470 | .75 | SR | .75 |
| | 4 | 5 | 11 | | | TA | .75 |
| | | | | | | | |
| 2/28 | 1 | 2 | 3 | 1470 | .75 | SR | .75 |
| | 4 | 5 | 11 | | | TA | .75 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 3.75 | TA | 2.25 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 3.0 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | SS | 1.5 |
| 4. Ck. pump operation | | | | | | KS | .75 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK CODE WILL BE BILLED ON A CODE II FORM. i.e. Call out (over time) or repairs | | | |
| 10. Clean station | | | | | | | |
| 11. Pull F.R. Float | | | | | | | |

CITY STATION MONTHLY TIME SHEET

| Month: FEB | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 14 | |
|------------------------------------|----------------|------------|----|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 2/7 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 2/14 | 1 | 2 | 3 | 1470 | .25 | KS | .25 |
| | 4 | 5 | 11 | | | JS | .25 |
| 2/22 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| 2/28 | 1 | 2 | 3 | 1470 | .25 | SR | .25 |
| | 4 | 5 | 11 | | | TA | .25 |
| | | | | | | | |
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| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.0 | TA | .75 |
| 2. Purge / Drain / Bubbler | | | | | | SR | .75 |
| 3. Ck wet / dry wells ck. viv pit. | | | | | | JS | .25 |
| 4. Ck. pump operation | | | | | | KS | .25 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: FEB | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 15.5 | |
|------------------------------------|----------------|------------|---|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 2/7 | 1 | 2 | 4 | 1470 | .25 | SR | .25 |
| | 5 | | | | | TA | .25 |
| 2/14 | 1 | 2 | 4 | 1470 | .25 | KS | .25 |
| | 5 | | | | | JS | .25 |
| 2/22 | 1 | 2 | 4 | 1470 | .25 | SR | .25 |
| | 5 | | | | | TA | .25 |
| 2/28 | 1 | 2 | 4 | 1470 | .25 | SR | .25 |
| | 5 | | | | | TA | .25 |
| | | | | | | | |
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| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 1.0 | TA | .75 |
| 2. Purge / Drain / Bubbler | | | | | | SR | .75 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .25 |
| 4. Ck. pump operation | | | | | | KS | .25 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CITY STATION MONTHLY TIME SHEET

| Month: FEB | | Year: 2012 | | City: PACIFIC GROVE | | Sta.# 16 | |
|------------------------------------|----------------|------------|----|--|-------------|-----------------|-------------|
| Date | Work performed | | | Vehicle # | Time | Employee | Time |
| 2/7 | 1 | 2 | 3 | 1470 | .5 | SR | .5 |
| | 4 | 5 | 11 | | | TA | .5 |
| 2/14 | 1 | 2 | 3 | 1470 | .5 | KS | .5 |
| | 4 | 5 | 11 | | | JS | .5 |
| 2/22 | 1 | 2 | 3 | | | | |
| | 4 | 5 | *6 | 1470 | .75 | SR | .75 |
| | *7 | 11 | | | | TA | .75 |
| 2/23 | *10 | | | 1470 | 1.0 | SR | 1.0 |
| | | | | | | TA | 1.0 |
| 2/28 | 1 | 2 | 3 | 1470 | .5 | SR | .5 |
| | 4 | 5 | 11 | | | TA | .5 |
| | | | | | | | |
| | | | | | | | |
| WORK CODES | | | | Vehicle | Time | Employee | Time |
| 1. Record readings. | | | | 1470 | 3.25 | TA | 2.75 |
| 2. Purge / Drain / Bubbler | | | | | | SR | 2.75 |
| 3. Ck wet / dry wells ck. vlv pit. | | | | | | JS | .5 |
| 4. Ck. pump operation | | | | | | KS | .5 |
| 5. Test alarm | | | | | | | |
| 6. Ck. gen. oil / water / batt. | | | | | | | |
| 7. Run generator | | | | | | | |
| 8. Pump down | | | | | | | |
| 9. Clean mech. seal filters | | | | ANY WORK PERFORMED OTHER THAN THE WORK | | | |
| 10. Clean station | | | | CODE WILL BE BILLED ON A CODE II FORM. | | | |
| 11. Pull F.R. Float | | | | i.e. Call out (over time) or repairs | | | |

CODE II

CITY: PACIFIC GROVE

DATE: 2/29/12 W/O #

STATION: #12

EMERGENCY: YES/NO

OVERTIME

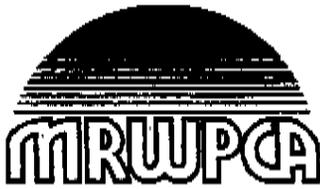
| EMPLOYEE | DEPT. | HOURS | VEHICLE / EQUIP. | HOURS | Y/N |
|----------|-------|-------|------------------|-------|-----|
| DUNCAN | 40 | 1.5 | 1479 | 1.5 | N |
| RODEWALD | 32 | 1.5 | 1470 | 1.5 | N |
| | | | | | |
| | | | | | |
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| PARTS | PRICE |
|-------|-------|
| | |
| | |
| | |
| | |

Please attach a copy of the invoice to this Code II form.

DESCRIPTION OF WORK PERFORMED:

INPUTS FOR WET WELL HIGH LEVEL WERE WRONG
ON MISSION COMMUNICATIONS. CHANGED INPUTS
SO CORRECT ALARM COMES IN ON HIGH LEVEL



Monterey Regional Water Pollution Control Agency

"Dedicated to meeting the wastewater and recycled water needs of our member agencies, while protecting the environment."

Treatment Facility and Water Recycling Project:
Mailing Address: P.O. Box 1790, Marina, CA 93933-1790
Shipping Address Only: 14811 Del Monte Blvd., Marina CA 93933
(831) 883-1118 or 424-1108 FAX: (831) 883-0516
Website: www.mrwPCA.org

FAX TRANSMISSION COVER SHEET

DATE: 5-28-13

TIME: _____

TO: BILL CALLAWAN

ATTN: _____

FAX #: _____

FROM: BRET BOATMAN

RE: _____

NUMBER OF PAGES INCLUDING COVER SHEET: _____

DOCUMENT(S) BEING SENT: MONTHLY P.M. LIST -

CITY OF PACIFIC GROVE LIFT STATIONS

REMARKS: _____

Joint Powers Authority Member Entities:

Boronda County Sanitation District, Castroville Service Area 14, County of Monterey, Del Rey Oaks, Fort Ord, Marina Coast Water District, Monterey, Moss Landing County Sanitation District, Pacific Grove, Salinas, Sand City, and Seaside

4424



Plant Work Order

Work Order **20130553** Project Status CL
 Activity Type PM Priority R Billing PG 999
 Responsible Dept. 32FM Initiated Date 3/1/2013 Initiated Time 14:26
 Initiated By
 Initiated Dept. Initiated From
 Work Status RS Date 3/1/2013 Time 14:26 Work Plan
 Activity PMSTAM PM PUMP STATION MONTHLY

Task Details: DAILY READINGS AND CHECKLIST
 WEEKLY CHECKLIST
 MONTHLY CHECKLIST
 STATION CLEAN UP

Asset Info

Maintenance Group PMGEN Isolation Required CSE N Assets Involved
 Asset No PG PUMP STATIONS WORK THAT INVOLVES ALL CITY OF PG STATIONS
 Asset Type PMPSTA Master Asset No PG999

Location Info

Loop Tag No PS-CITY-PG CITY OF PACIFIC GROVE PUMP STATIONS
 Loop No
 Location PG999 INVOLVES ALL CITY OF PACIFIC GROVE STATIONS
 Area PS PUMP STATION
 Master Loop

Assignment Info

Resources Assigned Date Assigned Scheduled Start Date 3/31/2013
 Assigned To
 Assigned By
 Request No Related Work Order
 Failure Cause Down Date Down Time :

User Defined Comments

Action Taken WEEKLY READINGS AND CHECKLISTS COMPLETED. SENT ALARMS WEEKLY. RAN GENERATORS UNDER LOAD.

Target Completion Date 4/30/2013 Completed Date 3/28/2013 Completed Time
 Completed By 10080 STEVE RODEWALD Job Cost Information (Y/N)

Work Order Cost Listing

| Work Order No | Alloc. Type Code | Allocation Description | Mult. Units | Rate | Cost | Billing Code | Billing Date |
|---------------|------------------|------------------------|-------------|---------|----------|--------------|--------------|
| 20130553 | P 10080 | STEVE ROSENWALD | 3.50 | \$58.00 | \$203.00 | PG 999 | 3/26/2013 |
| 20130553 | P 10202 | JOSE SALAS | 3.00 | \$34.83 | \$104.49 | PG 999 | 3/19/2013 |
| 20130553 | P 10216 | KYLE SNYDER | 2.50 | \$34.83 | \$87.08 | PG 999 | 3/19/2013 |
| 20130553 | P 10231 | TONY ACE (NEW ONE) | 3.00 | \$58.00 | \$174.00 | PG 999 | 3/19/2013 |
| 20130553 | P 10231 | TONY ACE (NEW ONE) | 3.00 | \$58.00 | \$174.00 | PG 999 | 3/26/2013 |

Total Units 24.00 Total Cost \$1,206.03

APPENDIX 4J

Fiscal Year 2012/2013 Operating and Capital Budgets and Fees

City of Pacific Grove Fiscal Year 2012/2013 Operating Budget
City of Pacific Grove Fiscal Year 2012/2013 Capital Budget
City of Pacific Grove Master Fee Schedule Fiscal Year 2012/2013
MRWPCA Sewer Service User Fee Rates and Capacity Charges

Operating Budget

SPI - FINANCIAL ACCOUNTING
 DATE: 03/04/13
 TIME: 09:04:02

CITY OF PACIFIC GROVE
 EXPENDITURE STATUS REPORT

PAGE NUMBER: 1
 EXPSTAIL

SELECTION CRITERIA: expldgr.key_orgn='611'
 ACCOUNTING PERIOD: 3/13

SORTED BY: FUND, TOTAL DIVISION, ACCOUNT
 TOTALED ON: TOTAL DIVISION
 PAGE BREAKS ON:

FUND-76 SEWER FUND
TOTAL DIVISION-611 SEWER *operating*

| ACCOUNT | TITLE | BUDGET | PERIOD EXPENDITURES | ENCUMBRANCES OUTSTANDING | YEAR TO DATE EXP | AVAILABLE BALANCE | YTD/ BUD |
|---------|--------------------------|--------------|---------------------|--------------------------|------------------|-------------------|----------|
| 5101 | BASE SALARY | 250,000.00 | 20,596.23 | .00 | 58,091.02 | 191,908.98 | 23.24 |
| 5102 | OVERTIME | .00 | 573.29 | .00 | 976.36 | -976.36 | .00 |
| 5105 | PART-TIME SALARIES | 51,000.00 | 2,640.60 | .00 | 7,093.18 | 43,906.82 | 13.91 |
| 5121 | FICA-MEDICARE BENEFITS | 4,400.00 | 309.70 | .00 | 858.50 | 3,541.50 | 19.51 |
| 5122 | RETIREMENT (PERS) | 25,100.00 | 2,291.16 | .00 | 6,695.12 | 18,404.88 | 26.67 |
| 5123 | HEALTH INSURANCE COST | 2,100.00 | 171.01 | .00 | 513.11 | 1,586.89 | 24.43 |
| 5124 | UNEMPLOYMENT COST | 110.00 | 8.51 | .00 | 24.46 | 85.54 | 22.24 |
| 5126 | WORKERS' COMPENSATION | 9,500.00 | 729.43 | .00 | 2,126.58 | 7,373.42 | 22.39 |
| 5128 | OTHER EMPLOYEE BENEFITS | 14,400.00 | 1,066.61 | .00 | 3,190.88 | 11,209.12 | 22.16 |
| 5129 | FLEXIBLE HEALTH BENEFIT | 2,500.00 | 192.00 | .00 | 576.00 | 1,924.00 | 23.04 |
| 5132 | PERS P.O.B. PAYMENT | 25,601.00 | .00 | .00 | 26,367.13 | -766.13 | 102.99 |
| 5201 | CONTRACT SERVICES | 500,000.00 | 69,644.28 | .00 | 71,448.28 | 428,551.72 | 14.29 |
| 5202 | PROF/CONSULTANT SERVICES | 3,000.00 | .00 | .00 | .00 | 3,000.00 | .00 |
| 5204 | ENGINEERING/DESIGN SVCS | 3,000.00 | .00 | .00 | .00 | 3,000.00 | .00 |
| 5207 | MAINTENANCE SERVICES | 3,000.00 | .00 | .00 | .00 | 3,000.00 | .00 |
| 5211 | POSTAGE | 100.00 | .00 | .00 | 832.44 | 2,167.56 | 27.75 |
| 5212 | TELEPHONE | 5,000.00 | .00 | .00 | 378.00 | -278.00 | 378.00 |
| 5215 | MEETING/TRAINING/TRAVEL | 1,000.00 | .00 | .00 | 485.37 | 4,210.36 | 15.79 |
| 5222 | UTILITIES | 16,000.00 | 160.01 | .00 | 73.00 | 577.00 | 42.30 |
| 5223 | BLDG REPAIR, MAINT | 2,000.00 | .00 | .00 | 1,518.35 | 13,581.85 | 15.11 |
| 5226 | EQUIPMENT REPAIR | 3,000.00 | .00 | .00 | .00 | 2,000.00 | .00 |
| 5227 | VEHICLE REPAIR | 3,000.00 | .00 | .00 | -38.89 | 3,038.89 | -1.30 |
| 5231 | INSURANCE | 15,000.00 | 107.54 | 59.59 | 114.52 | 14,825.89 | 1.16 |
| 5232 | INSURANCE CLAIMS | 10,000.00 | .00 | .00 | 78,130.00 | .00 | 100.00 |
| 5261 | SUBSCRIPTIONS, MEMB | 2,000.00 | .00 | .00 | .00 | 10,000.00 | .00 |
| 5291 | SPECIAL DEPT EXPENSE | 4,500.00 | .00 | .00 | 1,000.00 | 1,000.00 | 50.00 |
| 5309 | OTHER SUPPLIES | 10,000.00 | 1,651.01 | 48.17 | 400.00 | 4,100.00 | 8.89 |
| 5311 | VEHICLE FUEL | 8,000.00 | 1,230.70 | .00 | 2,681.95 | 7,269.88 | 27.30 |
| 5312 | VEHICLE TIRES | 1,000.00 | .00 | .00 | 2,248.71 | 5,751.29 | 28.11 |
| 5352 | CHEMICAL SUPPLIES | 1,000.00 | .00 | .00 | .00 | 1,000.00 | .00 |
| 5491 | INDIRECT COST ALLOCATION | 214,953.00 | .00 | .00 | .00 | 214,953.00 | .00 |
| | TOTAL SEWER | 1,265,394.00 | 101,572.08 | 1,661.83 | 265,784.07 | 997,948.10 | 21.14 |
| | TOTAL REPORT | 1,265,394.00 | 101,572.08 | 1,661.83 | 265,784.07 | 997,948.10 | 21.14 |

CIP

SPI - FINANCIAL ACCOUNTING
 DATE: 03/04/13
 TIME: 09:04:39

PAGE NUMBER: 1
 EXPSTALL

CITY OF PACIFIC GROVE
 EXPENDITURE STATUS REPORT

SELECTION CRITERIA: expLedgr.key_orgn='612'
 ACCOUNTING PERIOD: 3/13

SORTED BY: FUND, TOTAL DIVISION, ACCOUNT
 TOTALED ON: TOTAL DIVISION
 PAGE BREAKS ON:

FUND-76 SEWER FUND
 TOTAL DIVISION-612 SEWER CAPITAL IMPROVMT

| ACCOUNT | TITLE | BUDGET | PERIOD EXPENDITURES | ENCUMBRANCES OUTSTANDING | YEAR TO DATE EXP | AVAILABLE BALANCE | YTD/ BUD |
|---------|------------------------------|--------------|---------------------|--------------------------|------------------|-------------------|----------|
| 5201 | CONTRACT SERVICES | 75,000.00 | 1,000.00 | .00 | 1,000.00 | 74,000.00 | 1.33 |
| 5204 | ENGINEERING/DESIGN SVCS | 250,000.00 | 52,007.00 | .00 | 52,007.00 | 197,993.00 | 20.80 |
| 5413 | EQUIP DEPRECIATION | 45,597.00 | .00 | .00 | .00 | 45,597.00 | .00 |
| 5415 | SEWER DEPRECIATION | 145,278.00 | .00 | .00 | .00 | 145,278.00 | .00 |
| 5801 | INTEREST PMTS | 1,672.00 | 170.03 | .00 | 348.74 | 1,323.26 | 20.86 |
| 5802 | PRINCIPAL PMTS | 69,526.00 | 2,846.36 | .00 | 40,684.04 | 28,841.96 | 58.52 |
| 5803 | BOND - INTEREST PMTS | 58,225.00 | .00 | .00 | 29,488.59 | 28,736.41 | 50.65 |
| 5804 | AMORTIZATION EXPENSES | 2,891.00 | .00 | .00 | .00 | 2,891.00 | .00 |
| 6051 | SEWER SYSTEM IMP | 700,000.00 | .00 | .00 | 123,168.60 | 576,831.40 | 17.60 |
| 6052 | PUMP STA IMPROVEMENTS | 2,050,000.00 | .00 | .00 | .00 | 2,050,000.00 | .00 |
| 6053 | SEWER LATERALS REPLCMT. | 40,000.00 | 27.00 | .00 | 27.00 | 39,973.00 | .07 |
| | TOTAL SEWER CAPITAL IMPROVMT | 3,438,189.00 | 56,050.39 | .00 | 246,723.97 | 3,191,465.03 | 7.18 |

TOTAL REPORT 3,438,189.00 56,050.39 .00 246,723.97 3,191,465.03 7.18

Pump Station Bnd \$ 825,100.00
 + \$ 140,600.00 (Street overlay)

Reserves are in addition to this (?)