

**SEMINOLE COUNTY GOVERNMENT  
AGENDA MEMORANDUM**

**SUBJECT:** Reclaimed Water System-Pulte Homes-Carriage Homes @ Dunwoody

**DEPARTMENT:** Environmental Services **DIVISION:** Planning, Engineering & Inspections

**AUTHORIZED BY:** *John Cirello* **CONTACT:** *Mike Harber* **EXT.** 2118  
John Cirello, Director Mike Harber, Sr. Engineer

Agenda Date <u>9/27/05</u> Regular <input type="checkbox"/> Consent <input checked="" type="checkbox"/> Work Session <input type="checkbox"/> Briefing <input type="checkbox"/> Public Hearing – 1:30 <input type="checkbox"/> Public Hearing – 7:00 <input type="checkbox"/>
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**MOTION/RECOMMENDATION:**

Approve and Authorize Chairman to execute the Agreement between Seminole County and Pulte Homes for Reclaimed Water System.



**BACKGROUND:**

The Agreement for a Reclaimed Water System states the terms and conditions under which the Developer of Carriage Homes @ Dunwoody Commons subdivision (NW Oregon St.) will construct a 4" Reclaim Water line. Staff has identified the need to oversize off-site reclaimed water system in this portion of the County's service area based on work performed by our master planning engineers. Cost associated with over sizing of this system to an 8" from a 4" reclaimed water line for approximately 1,850 lineal feet is \$91,076.00. Adequate funds for over sizing are available for this project in Water and Sewer Over sizings. District 5 - Carey

Reviewed by:
Co Atty: _____
DFS: _____
Other: _____
DCM: <u><i>SS</i></u>
CM: <u><i>TLG</i></u>
File No. <u>CESP02</u>



EXHIBIT A

That part of Sections 20 and 29, Township 19 South, Range 30 East, Seminole County, Florida, described as follows:

BEGIN at Southwest corner of said Tract C; thence run the following five (5) courses along the Southerly boundary of said DUNWOODY COMMONS PHASE 1: S90°00'00"W for a distance of 92.52 feet; thence run S53°07'48"W for a distance of 93.96 feet; thence run S00°00'00"W for a distance of 83.62 feet; thence run S90°00'00"W for a distance of 437.77 feet; thence run S43°20'43"W for a distance of 25.26 feet to the Southernmost corner of said DUNWOODY COMMONS PHASE 1; thence run the following six (6) courses along the Southerly boundary of DUNWOODY COMMONS PHASE 2, according to the plat thereof as recorded in Plat Book 64, Pages 78 through 80, of said Public Records: S43°20'43"W for a distance of 302.40 feet; thence run S62°56'30"W for a distance of 108.57 feet; thence run S43°20'43"W for a distance of 166.53 feet; thence run S66°00'18"W for a distance of 95.27 feet; thence run S44°28'55"W for a distance of 308.44 feet; thence run S13°38'10"W for a distance of 70.64 feet; thence run N90°00'00"E for a distance of 800.51 feet to the Westerly right of way of North Oregon Street, as recorded in Official Records Book 3332, Page 477, and a point on a non-tangent curve concave Southeasterly having a radius of 785.00 feet and a chord bearing of N35°08'09"E; thence run Northeasterly along the arc of said curve and said Westerly right-of-way line through a central angle of 25°54'55" for a distance of 355.06 feet to the point of tangency; thence run N48°05'36"E along said Westerly right-of-way line for a distance of 333.46 feet to the point of curvature of a curve concave Northwesterly having a radius of 725.00 feet and a chord bearing of N36°10'17"E; thence run Northeasterly along the arc of said curve and said Westerly right-of-way line through a central angle of 23°50'38" for a distance of 301.71 feet to a non-tangent line; thence run N00°11'42"W along said Westerly right-of-way line for a distance of 123.80 feet to the South line of Tract "C", DUNWOODY COMMONS PHASE 1; thence run S90°00'00"W along said South line for a distance of 66.50 feet to the POINT OF BEGINNING.

That part of the Northwest 1/4 of Section 29, Township 19 South, Range 30 East, Seminole County, Florida, described as follows:

COMMENCE at the North 1/4 corner of said Section 29, thence run S89°44'08"W along the North line of said Northwest 1/4 of Section 29 for a distance of 37.42 feet to the Westerly right-of-way line of North Oregon Street, as described in Official Records Book 3332, Page 477, of the Public Records of Seminole County, Florida, and a point on a non-tangent curve concave Northwesterly having a radius of 725.00 feet and a chord bearing of S26°17'03"W; thence run Southwesterly along said Westerly right-of-way line and the arc of said curve through a central angle of 43°37'07" for a distance of 551.94 feet to the point of tangency; thence run S48°05'36"W for a distance of 77.69 feet to the East line of a Florida Department of Transportation Easement, as recorded in Official Records Book 5276, Page 268, of said Public Records; thence run N00°00'00"E along said East line for a

distance of 88.84 feet to the POINT OF BEGINNING; thence run N36°53'17"W for a distance of 49.98 feet; thence run N00°00'00"E for a distance of 8.47 feet; thence run N36°59'21"E for a distance of 49.86 feet to the aforesaid East line; thence run S00°00'00"W along said East line for a distance of 88.27 feet to the POINT OF BEGINNING.

Containing 0.033 acres more or less and being subject to any rights-of-way, restrictions and easements of record.

**AGREEMENT BETWEEN SEMINOLE COUNTY/PULTE HOME CORPORATION  
FOR  
RECLAIMED WATER SYSTEM COSTS**

**THIS AGREEMENT** is made and entered into this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between **SEMINOLE COUNTY**, a political subdivision of the State of Florida, whose address is Seminole County Services Building, 1101 East First Street, Sanford, Florida 32771, hereinafter referred to as "COUNTY," and **PULTE HOME CORPORATION**, a Michigan corporation, whose address is 4901 Vineland Road, Suite 500, Orlando, Florida 32811, hereinafter referred to as "OWNER".

**W I T N E S S E T H:**

**WHEREAS**, OWNER owns certain real property known as Carriage Homes at Dunwoody Commons in Seminole County, Florida, hereinafter referred to as "the Property," as described in Exhibit "A," attached hereto and incorporated herein; and

**WHEREAS**, OWNER requires a reclaimed water service system to serve future residential development to be located on the Property; and

**WHEREAS**, COUNTY requires a certain size reclaimed water service system to benefit COUNTY and serve future growth in the area around the Property in unincorporated Seminole County; and

**WHEREAS**, OWNER is willing to construct an off-site reclaimed water system and other appurtenant facilities to serve the Property and convey the reclaimed water system and appurtenant facilities to the COUNTY in return for the considerations set forth herein; and

**WHEREAS**, OWNER has executed Conditional Utility Agreements For Water and Sewer Service, hereinafter "Conditional Utility Agreements" and together the Conditional Utility Agreements and this Agreement

comprise the complete and entire reclaimed water agreement between the parties,

**NOW, THEREFORE,** in consideration of the premises, the parties mutual covenants and agreements, including the cost of designing, permitting, constructing, conveying and accepting the reclaimed water system as hereinafter defined, the Agreement and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties do hereby agree as follows:

**Section 1. Recitals.** The foregoing premises are true and correct and form a material part of this Agreement upon which the parties have relied.

**Section 2. Definitions.** As used in this Agreement, certain terms and phrases appearing herein are defined as follows:

(a) **Reclaimed Water System.** The term "Reclaimed Water System" shall refer to and mean the construction of an off-site reclaimed water system along North Oregon Street adjacent to the NW Oregon PUD, including transmission mains, stub-outs, meter boxes, pipes, valves, fittings and other such pertinent facilities as are routinely placed in public rights-of-way or dedicated easements. All permits and engineering design and construction contracts, plans and specifications for the Reclaimed Water System as and when filed with and approved by the County's Planning Department, Development Review Division, are incorporated herein by reference. The Reclaimed Water System shall be constructed from its terminus at Wayside Drive, underneath S.R. 46, north along the western right-of-way of North

Oregon Street, to the northern boundary of the property owned by OWNER and described in Exhibit "A".

(b) Service Area. The term "Service Area" shall mean and consist of the Property which is described in Exhibit "A".

**Section 3. Agreement to Construct and Convey.** OWNER agrees to construct and convey to the COUNTY the Reclaimed Water System and the COUNTY, in reliance on the representations and warranties of OWNER contained herein and subject to the terms and conditions of this Agreement, agrees to accept the Reclaimed Water System from OWNER and pay for a portion of the costs thereof upon completion of the Reclaimed Water System. OWNER represents and warrants that:

(a) OWNER shall cause to be designed, permitted and constructed, an off-site Reclaimed Water System to serve the Property. Any Federal, State or local permitting fees and approvals, if applicable, shall be the responsibility of the OWNER; provided, however, that the COUNTY shall be responsible for the Right-of-Way use permit fee, if applicable, the Florida Department of Environmental Protection permit fee and the underground utility permit fee, all related to the off-site Reclaimed Water System only.

(b) Subject to the terms of this Agreement, the OWNER shall commence construction of the Reclaimed Water System within four (4) months and complete construction within twelve (12) months of execution of the Agreement.

(c) OWNER's agreement to construct and convey the Reclaimed Water System is in addition to OWNER's agreement to construct, install and convey, at OWNER's sole cost and expense, all other transmission,

collection and meter facilities necessary to provide service to OWNER's Property pursuant to the Conditional Utility Agreements.

**Section 4. Conveyance.** In addition to the provisions set forth in Section 11, Title to Installations Constructed by Developer, of the Conditional Utility Agreements, the following shall apply:

(a) The conveyance of the Reclaimed Water System from OWNER to COUNTY (the "Closing") shall be closed at the Seminole County Services Building within fifteen (15) days of the approval by the COUNTY Board of County Commissioners of such conveyance.

(b) Real and personal property taxes payable on the Reclaimed Water System, if any, shall be the responsibility of the OWNER until the Closing and prorated as of the date of closing. Any corrective instruments required in connection with perfecting OWNER's title to the Reclaimed Water System shall be prepared and recorded by OWNER prior to Closing.

**Section 5. Construction of Installations.** In addition to the provisions of Section 9 of the Conditional Utility Agreements, the OWNER shall provide COUNTY with the proposed utility contractor's firm name, key agents, address and brief description of previous applicable jobs so that the COUNTY may approve said contractor prior to establishment of a pre-construction conference. Approval shall not be unreasonably withheld by the COUNTY.

**Section 6. Payment.** COUNTY shall reimburse OWNER for the actual costs incurred in design and construction of the Reclaimed Water System as described in Section 2(a) herein. The parties respective shares of the anticipated construction costs are set forth in Exhibit

"B," attached hereto and incorporated herein. The COUNTY's share shall not exceed NINETY-ONE THOUSAND SEVENTY-SIX AND 00/100 DOLLARS (\$91,076.00), unless change orders are approved in writing by the COUNTY prior to OWNER incurring such costs. Actual costs shall include all design, permitting, construction, labor and materials, administration of such work, engineer's certification of completion and as-builts associated with construction of the Reclaimed Water System. To be eligible for reimbursement by COUNTY, the costs incurred by OWNER must be reviewed and written consent obtained from COUNTY by OWNER prior to incurring the costs. These costs shall be based on the contractor's invoices and OWNER's engineer's certification of the invoices and in accordance with cost and pay estimates approved by COUNTY. Payment shall be made as follows:

(a) Notwithstanding any other provision of this Agreement, the total repayment amount by the COUNTY shall not exceed the amount of COUNTY's share to construct the Reclaimed Water System as enumerated in Exhibit "B" together with change orders as approved by the COUNTY in writing.

(b) The COUNTY shall reimburse the OWNER for approved costs, as set forth in Exhibit "B," of design, permitting and construction of the Reclaimed Water System. Upon completion of an acceptable design and issuance of applicable permits to OWNER for the Reclaimed Water System, the COUNTY shall reimburse, by COUNTY warrant and in accordance with Exhibit "B", OWNER for such costs within thirty (30) days of OWNER's submittal of its contractor's invoice for same to COUNTY. Payments for construction of the Reclaimed Water System shall

be by COUNTY warrant within forty-five (45) days of receipt and approval by COUNTY of the bill of sale, contractor invoices, engineer certification of completion, Florida Department of Environmental Protection acceptance and clearance, final COUNTY inspection and COUNTY receipt of as-builts related to the off-site Reclaimed Water System in accordance with this Agreement.

**Section 7. Risk of Loss.** OWNER shall bear the risk of loss or damage to the Reclaimed Water System prior to conveyance and acceptance by the COUNTY. OWNER shall restore at its expense all loss or damage within a reasonable period of time.

**Section 8. Approval of County.** As a condition precedent to COUNTY's obligations hereunder, the OWNER shall deliver to COUNTY for COUNTY's prior review and approval all plans, specifications, drawings, financial and cost projections, construction and other contracts and corresponding prices prepared for the OWNER regarding the Reclaimed Water System. Under no circumstances shall the review by the COUNTY impose on the COUNTY any liability to the OWNER for faulty design or construction of the Reclaimed Water System. It is acknowledged by the parties that the COUNTY review contemplated in this Section is only for the purpose of determining the operational acceptability of the Reclaimed Water System and for no other purpose whatsoever. Nothing in this Section shall relieve OWNER of its obligations under this Agreement, the Conditional Utility Agreements, or under applicable COUNTY regulations and procedures.

**Section 9. Access to Site.** The COUNTY shall provide to the OWNER rights of access and easements over property belonging to or

controlled by the COUNTY for installation of the Reclaimed Water System as required for the completion of the approved Reclaimed Water System and in accordance with the approved plans and specifications. County Development Fees related to development of the adjacent subdivision other than those relating to the Reclaimed Water System, including underground utilities fees and right-of-way use fees, shall not be waived by this Section.

**Section 10. Operation and Maintenance.** Upon transfer, the COUNTY shall be responsible for operation and maintenance of the Reclaimed Water System and shall assure service to all present and future connections to the Property; provided, however, that the COUNTY's obligation shall be consistent with and not greater than the COUNTY's obligation to provide such reclaimed water service to the public generally.

**Section 11. Indemnification.**

(a) Each party to this Agreement is responsible for all personal injury and property damage attributable to the negligent acts or omissions arising out of this Agreement of that party and the officers, employees, and agents thereof. The waiver of a provision herein by either party shall not constitute the further waiver of said provision or the waiver of any other provision.

(b) Notwithstanding the above, however, OWNERS agree to hold harmless and indemnify the COUNTY from and against any and all claims, losses, damages or lawsuits for damages resulting from:

(1) any misrepresentation by OWNER of a material fact contained in this Agreement or the exhibits attached hereto; or

(2) any breach of warranties made by OWNER pursuant to this Agreement.

**Section 12. County's Liability.** Notwithstanding everything contained herein to the contrary, OWNER understands and agrees that the obligations of the COUNTY, including, but not limited to, the payment of costs to be made hereunder to OWNER shall not be deemed to be or constitute a pledge of the full faith and credit of the general revenues, including non-ad valorem tax revenues of the COUNTY.

**IN WITNESS WHEREOF,** the parties hereto have executed this Agreement as of the day and year first above written.

ATTEST:

PULTE HOME CORPORATION,  
a Michigan corporation

*Lynn Sweetman*  
Lynn Sweetman Secretary

By: *Douglas Puvogel*  
DOUGLAS PUVOGEL Attorney-in-Fact

(CORPORATE SEAL)

Date: 9-1-05

BOARD OF COUNTY COMMISSIONERS  
SEMINOLE COUNTY, FLORIDA

ATTEST:

\_\_\_\_\_  
MARYANNE MORSE  
Clerk to the Board of  
County Commissioners of  
Seminole County, Florida.

By: \_\_\_\_\_  
CARLTON HENLEY, Chairman

Date: \_\_\_\_\_

For the use and reliance  
of Seminole County only.

As authorized for execution  
by the Board of County Commissioners  
at their \_\_\_\_\_, 20\_\_\_\_  
regular meeting.

Approved as to form and  
legal sufficiency.

\_\_\_\_\_  
County Attorney  
SED/lpk  
3/18/04 7/15/04 6/23/05 8/11/05  
reclaimed water-pulte

Attachments:

- Exhibit "A" - legal description
- Exhibit "B" - design and construction costs

EXHIBIT A

That part of Sections 20 and 29, Township 19 South, Range 30 East, Seminole County, Florida, described as follows:

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Containing 0.033 acres more or less and being subject to any rights-of-way, restrictions and easements of record.

TABLE ONE

EXHIBIT B<sub>1</sub>



**DONALD W. McINTOSH  
ASSOCIATES, INC.**

May 16, 2003  
*Revised December 10, 2003*  
*Revised September 23, 2004*  
*Revised June 16, 2005*  
*(for verbal authorization)*

Mr. Doug Puvogel  
**Pulte Home Corporation**  
4901 Vineland Road, Suite 500  
Orlando, FL 32811

Re: North Oregon Street Reclaimed Watermain Extension  
DWMA Job No. 23138

Dear Mr. Puvogel:

CIVIL ENGINEERS

LAND PLANNERS

SURVEYORS

We are pleased to present this Letter Agreement for the referenced project. We agree to provide the following Basic Services for the itemized fees and expenses set forth below which shall be invoiced in four week increments subject to this Letter Agreement and its Attachments, incorporated herein by reference. The Attachments consist of the Hourly Rate Schedule, Client Billing Information Sheet, Basis for Proposal and Client Responsibilities, and the Terms of Agreement documents.

**BASIC SERVICES & ITEMIZED FEES**

The nature, scope and schedule (if any) of basic services (hereinafter referred to as "Basic Services") to be performed by us under this Agreement, are set forth below.

You may, from time to time, request us to perform services in connection with the Project which are outside the scope of the services listed herein. Should we agree to perform those, any such services (hereinafter referred to as "Additional Services") shall be subject to and governed by the provisions of this Agreement. Additional Services and Basic Services to be provided under this Agreement shall hereinafter be referred to collectively as "Services."

*We are proceeding with this project based on your verbal authorization.*

**PART I - PROFESSIONAL SURVEYING & MAPPING**

- |   |            |
|---|------------|
| A. OFFSITE SURVEY - Provide offsite survey data for utility connection for the south r-o-w of S.R. 46 at Wayside Drive. | \$2,250.00 |
| B. LEGAL DESCRIPTION - Preparation of legal description for the required utility easements along North Oregon Street.   | \$1,500.00 |

2200 Park Ave. North

Winter Park, FL

32789-2355

Fax 407-644-6316

407-644-4068

✓ F:\CONTRACT\lcp4840c.doc



Mr. Doug Puvogel  
Pulte Home Corporation  
Re: North Oregon Street Reclaimed Watermain Extension  
DWMA Job No. 23138  
May 16, 2003, Revised December 10, 2003  
Revised September 23, 2004, Revised June 16, 2005  
Page 2 of 11

C. LOCATE UTILITY LINES - Locate horizontally underground utility lines along the proposed reclaimed watermain route ( $\pm$  2600') as flagged by utility company field representatives. DWMA will schedule a field appointment with Sunshine State One Call Center, on a one-time basis, for the purpose of flagging the location of underground lines. DWMA will show the approximate location of these underground lines per the surface markings. Digging marked locations for verification and measuring depths is not included. DWMA will not be responsible to reschedule appointments missed by the utility company nor for showing unmarked lines.

\$4,650.00

**SUBTOTAL PART I**

**\$8,400.00**

**PART II - CIVIL ENGINEERING**

A. ENGINEERING CONCEPT DRAWINGS - Prepare three (3) Engineering Concept Drawings for alternate reclaimed watermain routes to price by contractor.

\$3,350.00

B. CONSTRUCTION DRAWINGS - Design, preparation and submittal of construction drawings and technical specifications for  $\pm$  2600 linear feet of reclaimed watermain from Wayside Drive north along the west right-of-way of North Oregon Street

\$8,000.00

C. FDEP PERMIT APPLICATIONS - Preparation and submittal of Florida Department of Environmental Protection (FDEP) permit applications for reclaimed water distribution.

\$550.00

D. FDOT PERMIT APPLICATION - Preparation and submittal of Florida Department of Transportation utility permit application

\$1,650.00

E. PROJECT MEETINGS AND COORDINATION - Representation at staff meetings, negotiations and public hearings, as required. Coordination of utility companies and legal representation.

\$3,000.00

**SUBTOTAL PART II**

**\$16,550.00**



*Mr. Doug Puvogel*  
**Pulte Home Corporation**  
*Re: North Oregon Street Reclaimed Watermain Extension*  
*DWMA Job No. 23138*  
*May 16, 2003, Revised December 10, 2003*  
*Revised September 23, 2004, Revised June 16, 2005*  
*Page 3 of 11*

### **PART III - CONSTRUCTION PHASE SERVICES**

The following construction phase services are included in this proposal. CLIENT shall understand that construction certifications are required by most regulatory agencies.

- |  |            |
|--|------------|
| A. QUANTITY TAKEOFFS - Preparation of Quantity takeoff.  | \$800.00   |
| B. OPINION OF PROBABLE CONSTRUCTION COSTS -<br>Preparation of opinion of probable construction costs.  | \$1,250.00 |
| C. PRECONSTRUCTION CONFERENCE - Attendance and<br>coordination of project preconstruction conference.  | \$1,000.00 |
| D. CONTRACTOR PAYMENT REQUESTS - Contractor payment<br>request, review and approvals (for construction related to DWMA<br>designs) and appurtenant site observation (based on one visit per<br>month for three months).  | \$1,350.00 |
| E. SHOP DRAWINGS - Review (one time) of quality control and<br>shop drawing information (limited to review for general<br>conformance with specifications).  | \$850.00   |
| F. SITE VISITS - Make site visits for observation of materials and<br>construction for the specific purpose of providing certifications<br>listed below. Visits to be at discretion of DWMA based on<br>contractor's submitted construction schedule for various elements.<br>Schedule to be required and kept current by contractor. Estimated<br>fee based on five visits at \$450.00 each. (Additional visits, if<br>required, will be at the same rate.) | \$2,250.00 |
| G. FDEP CERTIFICATIONS - Provide Florida Department of<br>Environmental Protection (FDEP) standard form certification of<br>completion/substantial compliance for reclaimed water permits.<br>Contractor to provide information and testing as follows:<br>• Record drawings, signed by contractor<br>• As-built drawings, signed by registered surveyor   | \$750.00   |



Mr. Doug Puvogel

**Pulte Home Corporation**

Re: *North Oregon Street Reclaimed Watermain Extension*

*DWMA Job No. 23138*

*May 16, 2003, Revised December 10, 2003*

*Revised September 23, 2004, Revised June 16, 2005*

*Page 4 of 11*

H. FDOT CERTIFICATIONS - Provide utility connection certifications as required by Florida Department of Transportation (FDOT) permit conditions. Contractor's record drawings must be furnished to DWMA.	\$750.00
I. FINAL PROJECT CERTIFICATIONS - Provide final project certification to Seminole County.	\$750.00
J. RECORD DRAWINGS - Preparation of "Record Drawings" from contractor furnished data.	\$1,250.00
K. AS-BUILT SURVEY AS REQUIRED BY COUNTY - Provide as-built survey, as required by Seminole County to standards required by Seminole County for project completion.	\$2,650.00
L. COORDINATE CONSTRUCTION ISSUES - Coordination of construction issues: meeting attendance, contractor issues, assistance with change orders, expediting government processes, etc., if required, will be billed on an hourly basis per the attached rate schedule with an estimated fee of	\$1,500.00
M. ADDITIONAL SITE VISITS DUE TO FAILURES OR NO SHOWS - Construction phase testing, resulting in failures or no-shows, and therefore requiring additional site visits for retesting, shall be additional services and will be billed on an hourly basis per the attached rate schedule with an estimated fee of	\$1,250.00
<b>SUBTOTAL PART III</b>	<b>\$16,400.00</b>
<b>TOTAL PARTS I-III</b>	<b>\$41,350.00</b>
<b>SEMINOLE COUNTY SHARE @ 50%</b>	<b>\$20,675.00</b>
<b>PULTE HOME CORPORATION @ 50%</b>	<b>\$20,675.00</b>

TABLE TWO  
EXHIBIT B2

Item	Unit	Qty	Reclaimed Water Line Comparison		Item	Unit	Qty	4" Reclaimed	
			Proposed 8" Unit Cost	Proposed 8" Total Cost				4" Reclaimed Unit Cost	4" Reclaimed Total Cost
Connect to Existing Reuse	LS	1	\$2,500.00	\$2,500.00	Connect to Existing Reuse	LS	1	\$2,500.00	\$2,500.00
8" PVC	LF	1850	\$19.75	\$36,537.50	4" PVC	LF	1200	\$13.50	\$16,200.00
8" Directional Bore	LF	550	\$60.00	\$33,000.00	4" Directional Bore	LF	550	\$48.00	\$26,400.00
Bore and Jack - 16" Casing	LS	1	\$19,000.00	\$19,000.00				\$0.00	\$0.00
6" DIP @ Bore and Jack	LF	80	\$22.00	\$1,760.00				\$0.00	\$0.00
4" PVC	LF	120	\$13.50	\$1,620.00				\$0.00	\$0.00
8" GV	EA	2	\$1,350.00	\$2,700.00	4" GV	EA	6	\$825.00	\$4,950.00
6" GV	EA	1	\$1,025.00	\$1,025.00				\$0.00	\$0.00
4" GV	EA	3	\$825.00	\$2,475.00				\$0.00	\$0.00
Miscellaneous Fittings	LS	1	\$12,500.00	\$12,500.00	Miscellaneous Fittings	LS	1	\$12,500.00	\$12,500.00
Layout	LS	1	\$700.00	\$700.00	Layout	LS	1	\$700.00	\$700.00
Testing	LS	1	\$1,500.00	\$1,500.00	Testing	LS	1	\$1,500.00	\$1,500.00
2" Blow Off	EA	4	\$450.00	\$1,800.00	2" Blow Off	EA	3	\$450.00	\$1,350.00
Open Cut and Repair Driveway at Lift Station	LS	1	\$3,500.00	\$3,500.00	Open Cut and Repair Driveway at Lift Station	LS	1	\$3,500.00	\$3,500.00
Remove Existing Trees and Haul Off @ Bill Heard	LS	1	\$6,500.00	\$6,500.00				\$0.00	\$0.00
Remove and Replace Sidewalk North of Existing Entrance	LS	1	\$1,150.00	\$1,150.00	Sod Disturbed Areas - Bahia	SY	6000	\$1.60	\$9,600.00
Sod Disturbed Areas - Bahia	SY	6000	\$1.60	\$9,600.00	Grade Disturbed Areas	SY	6000	\$0.25	\$1,500.00
Grade Disturbed Areas	SY	6000	\$0.25	\$1,500.00				\$1,850.00	\$1,850.00
MOT	LS	1	\$1,850.00	\$1,850.00	MOT	LS	1	\$1,850.00	\$1,850.00
<b>Total Cost 8"</b>			<b>\$141,217.50</b>	<b>\$141,217.50</b>					<b>\$82,550.00</b>
<b>Total Cost 4"</b>			<b>\$82,550.00</b>						<b>\$82,550.00</b>
<b>Difference</b>			<b>\$58,667.50</b>						
<b>County's Share Plus 20% Contingency</b>			<b>\$70,401.00</b>						

Assuming that we would build the 4" Reclaimed Main to the Intersection of Hawkstone and Oregon  
 4" Reclaimed Costs do not include Jack and Bore Across Oregon  
 Does not include Engineering or Permit Fees  
 4" Reclaimed Costs assume no work North of the Hawkstone/Oregon Intersection