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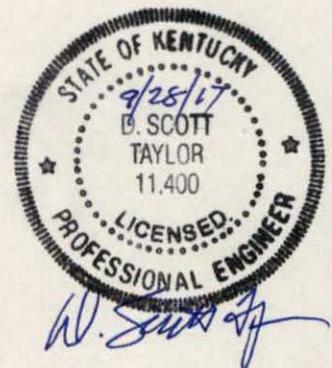
Case No. 2017-00392

**POWELLS VALLEY WATER DISTRICT
EXPANSION AND IMPROVEMENTS PROJECT**

JANUARY 2012

MSE

Engineers Architects and Planners
624 Wellington Way
Lexington, KY 40503



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Powells Valley Water District
Preliminary Engineering Report
for the
2012 Water System Improvements and Extension Project

I. GENERAL

The Powells Valley Water District operates and maintains 356 miles of distribution mains with water storage tanks, pump stations and miscellaneous support equipment and facilities. The District constantly reviews the condition of those facilities and considers the need for replacements and improvements as time and wear take their toll and as changes and developments in water supply equipment are made and become cost effective. The Commission and managers of the system have outlined needs in 3 categories and are seeking financial assistance to implement the changes addressing those needs.

Some of the old mains constructed during the 60's were constructed using glue joint PVC pipe and they are a constant maintenance issue and cost the District in man power, time, expense and water loss. Some of the booster pump stations have been operating for years and as the District customers grow and demand additional water their operating times have grown from 1 shift to 2 and into 3. The capacities need to be increased not only to meet the demands and increases in water consumption but to improve the cycling of the pumps and tanks to maintain better water quality in the distribution system. The water storage tanks are ground tanks or standpipes and were constructed with a single fill line which doubles as the distribution supply line whereas today the design standard requires two separate lines to force water through the tank with each rise and fall of the tank level. The tanks need to be retrofitted with dual lines and/or tank mixers to assure water turnover and compliance with up coming changes in distribution system water quality monitoring regulations.

II. PROJECT PLANNING AREA

The planning area includes the Powells Valley Water District and all of Powell County served directly by the Water District water system. It includes an inventory of the distribution facilities and hydraulic modeling.

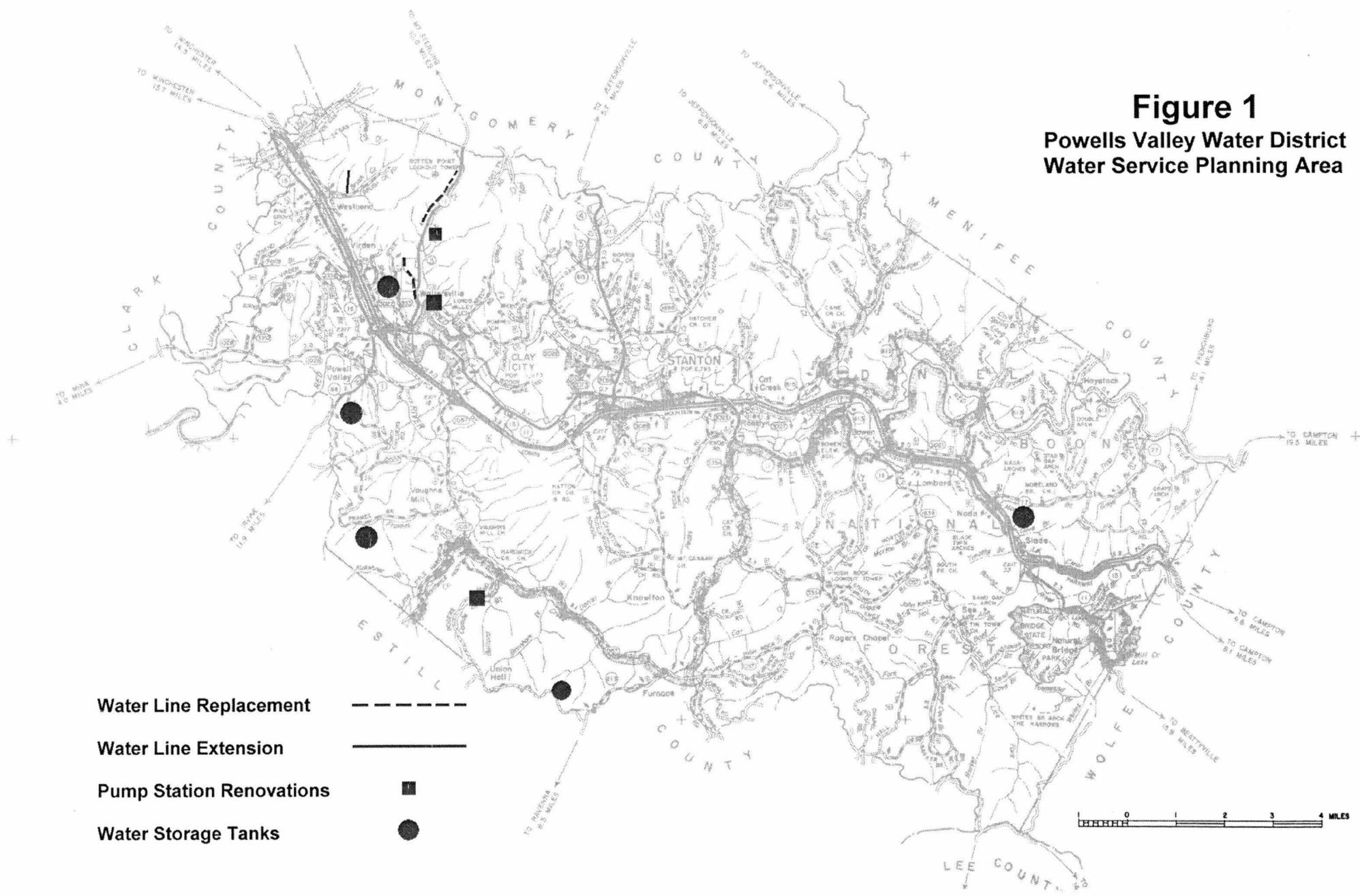
A. Location:

The location of the project is in the Powells Valley Water District boundaries. See Figure 1 - Powells Valley Water District Water Service Planning Area showing the extent of the planning area and detailed maps in the appendix.

B. Environmental Resources Present:

See the detailed map submitted for State Clearinghouse review showing the areas being affected by the project construction. On a portion of the project, construction will take place on previously disturbed land in that it will be replacing an existing main along the highway right-of-way. The maps show that the project will have no impact on any flood plain.

Figure 1
Powells Valley Water District
Water Service Planning Area



- Water Line Replacement - - - - -
- Water Line Extension —————
- Pump Station Renovations ■
- Water Storage Tanks ●

0 1 2 3 4 MILES

C. Growth Areas and Populations:

The existing service area for water supply is not being expanded by the proposed plans and there is little growth either in the Water District or in the rural County areas currently served. The Beech Fork Water Commission facilities are considered adequate and no provisions are made herein to change the raw water supply or treatment capacity of the Water District's suppliers system.

III. EXISTING FACILITIES

The existing Powells Valley Water District facilities include operation of, water distribution facilities and sewer treatment and collection mains primarily for the service of the Water District and surrounding County areas.

A. Location Map

The existing service area is identified in Figure 1, Powells Valley Water Service Planning Area. The facility characteristics and components for both the Water and Sewer facilities are itemized in the enclosed Summary / Addendum - Kentucky Guide 7 on pages 2, 3 and 4.

B. Condition of Facilities:

Most of the facilities are in acceptable condition for continued use. The existing water treatment plant and sources are adequate for any known demands as a regional supply. As identified herein, portions of the distribution system are old glue joint PVC pipe with excessive leaks, pump stations are nearing capacity and the storage tanks need upgrade to meet today's and tomorrow's changing standards.

C. Financial Status of Operating Central Facilities:

The existing water and sewer operations are financially sound at the time of this writing. The operating expenses and revenues are shown for the existing operations of the sewer and water systems in the Summary / Addendum - Kentucky Guide 7 on pages 28 and 31 respectively. The District recently retired a bond issue and the proposed financing replaces the previous bonds and related principal and interest payments with a new bond with equal annual payments.

IV. NEED FOR THE PROJECT

Some of the old distribution mains are made from glue joint PVC pipe and experience excessive water loss, main breaks and cause losses to the District in labor, time and water loss. Other areas are unserved just beyond the existing service extents and their need for water is the same as many other rural Kentucky residents in that cisterns don't supply sufficient water during low rain periods and wells are plagued with water quality problems and low production. Pumps and tanks need upgrading to allow for proper turnover of the stored water for improved water quality and to meet the new regulations for water distribution .

A. Health and Safety:

The pipe with poor joints leak water under pressure and can allow intrusion under low pressure periods. Main breaks cause the District to make repairs under various conditions and take portions of the system out of service requiring boil water advisories and delivering water not meeting the state standards. "The Ten State Standards" incorporated by reference by the Kentucky Division of Water outline the requirements for the micro biological quality in Section 3.2.2 and outlines chlorine residual requirements as well as flushing requirements. Other construction requirements are addressed by the American Water Works Association Standards.

B. System O&M:

The existing system operation and maintenance is considered adequate for the existing operation. Even though some mains leak water excessively, the overall system water loss is currently maintained at 9% which is considered good by the industry standard of 15% allowable.

C. Growth:

The proposed new water mains will help increase conveyance in the system to meet any increases in water demands in the area. The pump station and tank upgrades will help meet the demands of reasonable growth.

V. ALTERNATIVES CONSIDERED

The mains with glue joints are small diameter preventing reasonable efforts to slip line the system. Pipe joints could be located, cut out and replaced with small sections of pipe and repair clamps but the cost for the work would likely exceed replacement costs and would be susceptible to water leaks and failures. The proposed pump station increases by replacing pumps is the more cost effective approach to increasing the conveyance on these distribution system sub-systems. The existing pumps could supply more water by reducing the head or pressure that they must pump against. The TDH of a pump can be reduced by replacing or paralleling the mains leading into and out of the pump station. Miles of replacement pipe greatly exceed the cost of the pump changes. Inadequate water main conveyance is best resolved by improved conveyance. Conveyance of the pumps can be improved by increasing the effective or nominal diameter of the suction and discharge mains, increasing the friction factor or C-value of the pipe or increasing the suction pressures or decreasing the discharge pressures. Changing the operating pressures is not reasonable since the system tanks provide for the operating pressures and reconstructing the system tanks at different levels is cost prohibitive.

VI. PROPOSED PROJECT

The proposed project will replace some existing mains, valves and service connections where the glue joint pipe was used on two stretches of mains. Pump stations capacities will be increased by replacing the pumps with larger facilities. The larger pumps will require larger motors, breakers, starter, wiring and other related appurtenances. Tanks will be retro-fitted to allow for separate line in and out of the tank for increased turnover while others will have mixers installed to maintain water quality longer. They are more fully described in the following:

A. Project design:

1. Water Supply. The existing Beech Fork supply system provide for reasonable drought resistance and no changes are planned for the raw water supply system.
2. Treatment. The Beech Fork Water Treatment .Plant is adequate for the system demands and no changes are planned for the plant.
3. Storage. Existing water storage is sized to provide for peak demand and emergency fire supply and but they were not constructed with inlet and outlet facilities. New mains and valves will be designed for turnover to maintain water quality. Other tanks will be improved by adding mixers to the storage facility. The telemetry system is proposed to be upgraded for improved monitoring and operations.
4. Pumping Stations. The edexisting station are reaching or nearing their capacities and are in need of upgrading to deliver more water and allow for better cycling of the pumps and tanks.
5. Distribution. The distribution system is a mix of old and new facilities as described above and shown in the distribution schematic and planning area figure. Some of the older mains were constructed with glue joint PVC pipe and need to be replaced to prevent excessive loss and repair.
6. Hydraulic Calculations. The hydraulic parameters and calculations for the proposed mains will be based on the requirements of the Kentucky Division of Water and the 10 States Standards and computed by industry standard hydraulics analysis modeling software.

B. Cost Estimate. The construction cost estimate is contained in Table 1 itemizes anticipated construction quantities and computes the estimate based on the measured and estimated quantities and unit prices obtained on similar previously bid project components. The total project cost is based on the estimated construction cost and includes the costs for engineering design and inspection, land and rights, legal services, a contingency fund for unforeseen items and administration fees. The selected water main project cost is shown in Table 2 and is fully developed in the Summary / Addendum - Kentucky Guide 7 page 35. The project cost is \$864,200 and the requested funding includes an RD loan in the amount of \$489,400 with the \$374,800 balance from other grant sources.

C. Annual Operating Budget. The annual operating and maintenance cost are not projected to change significantly. The replaced main should require less maintenance or repairs but the amount is unknown and is conservatively not shown as a reduction. The total operational costs are

TABLE 1
 POWELLS VALLEY WATER DISTRICT
 PROJECT COST ESTIMATE

| | Cost Estimate |
|---|------------------|
| Water Line Replacements / Extensions | |
| Stokley Loop | \$44,000 |
| Black Creek | 60,000 |
| Wells Lane | 22,000 |
| Sub-Total | \$126,000 |
| Pump Station Upgrades | |
| Beech Fork | \$150,000 |
| Black Creek | 120,000 |
| Happy Top 3 Phase Conversion | 50,000 |
| Happy Top & Ballard Variable Frequency Drives | 30,000 |
| Sub-Total | \$350,000 |
| Water Storage Tanks Upgrades | |
| Frames Branch | \$50,000 |
| Circulation for All Tanks | 120,000 |
| Sub-Total | \$170,000 |
| Sub-Total Construction Costs | \$646,000 |
| Non-Construction Items | |
| Engineering | 9.60% \$62,015 |
| Inspection | 6.62% 42,765 |
| Engineering Report | 7,000 |
| Legal / Bond | 8,900 |
| Administrative | 2% 12,920 |
| Permits / Environmental / Other | 11,000 |
| Property / Easement Surveys / Mapping | 7,000 |
| PVWD Admin | 2,000 |
| Contingencies | 10% 64,600 |
| Sub-Total | \$218,200 |
| Estimated Project Cost | \$864,200 |

TABLE 2
FmHA Summary / Addendum Tables XVI, XVII & XVIII - Pages 31, 32 & 33

| Project Operating Budget | 2010 | | Difference |
|--|----------------------|-------------------------|-------------------|
| | Current Operation | Existing & New Users | Extension Only |
| A. Operating Income: | | | |
| Water Sales | \$1,112,274 | \$1,112,274 | 0 |
| Disconnect/Reconnect/Late Charge Fees | 40,553 | 40,553 | 0 |
| Other (Describe) | | 0 | 0 |
| Less Allowances & Deductions | 0 | 0 | 0 |
| Total Operating Income | \$1,152,827 | \$1,152,827 | 0 |
| B. Operation and Maintenance Expenses: | | | |
| Salaries, Wages & Benefits | 346,908 | 346,908 | 0 |
| Utilities | 415,079 | 415,079 | 0 |
| Materials & Supplies | 102,817 | 102,817 | 0 |
| Contractual Services | 2,180 | 2,180 | 0 |
| Equipment Expense | 914 | 914 | 0 |
| Other Expenses | 120,244 | 120,244 | 0 |
| Administrative | 10,800 | 10,800 | 0 |
| Total Operating Expenses | \$998,942 | \$998,942 | \$0 |
| Net Operating Income | \$153,885 | \$153,885 | 0 |
| C. Non-Operating Income: | | | |
| Interest on Deposits | 4,984 | 4,984 | 0 |
| Other (Identify) | 31,752 | 31,752 | 0 |
| Total Non-Operating Income | 36,736 | 36,736 | 0 |
| D. Net Income | \$190,621 | \$190,621 | 0 |
| E. Debt Repayment: | | | |
| FmHA Interest | 80,911 | 88,651 | 9,886 |
| FmHA Principal | 52,500 | 46,437 | 7,437 |
| Non-FmHA Interest | 0 | 0 | 0 |
| Non-FmHA Principal | 0 | 0 | 0 |
| Total Debt Repayment | \$133,411 | \$135,088 | \$17,323 |
| F. Balance available for Coverage and Depreciation | \$57,210 | \$55,533 | (1,676) |
| H. Replacement Reserves and Coverage | | | |
| Coverage on Existing Debt | 0.1 13,341 | 11,777 | (1,565) |
| Coverage on New Debt | | 1,732 | 1,732 |
| Short Lived Assets Reserve | 0 | 0 | 0 |
| Total Replacement Reserves and Coverage | \$13,341 | \$13,509 | \$167 |
| G. Balance after Reserves | \$43,869 | \$42,025 | (\$1,844) |

calculated and shown in the Summary / Addendum - Kentucky Guide 7 page 31, 32 and 33 along with all other changes in financial operations from the current operation to the post project operations. See Table 2 for details.

1. Income. The projected income for the project is based upon the existing users. The existing income is based upon 2365 users averaging 3896 gallons per month per customer and producing \$1,112,281 annual revenues using the existing water rates. The Annual Report shows \$1,112,274 revenues. The proposed revenues are based upon the proposed users and usage generating \$1,112,300 annual revenues. The existing rates are the rates used in generating the project revenues herein. See Summary / Addendum - Kentucky Guide 7 page 7 for the existing rates, page 14 for the proposed rates. The billings analysis used to produce the revenues for the existing and proposed operations are shown on pages 22 and 25 respectively.
2. Operation and Maintenance Costs. The operation and maintenance costs are shown in Summary / Addendum - Kentucky Guide 7 pages 31, 32 and 33 for the existing and proposed operations. The new operation costs were estimated based upon operations of the existing facilities as reported in the annual reports and increased 3% each year for inflation.
3. Capitol Improvements. The Powells Valley Water District will continue to purchase its water from the Beech Fork Water Commission for its operations and no additional purchase contracts are anticipated.
4. Debt Repayment. The project financing is fully described and itemized in the Summary / Addendum - Kentucky Guide 7 page 35. The debt payment schedules are included and coverage of 10% was used in the projections of expenses and revenues. The rates without grants were computed and result in a bill for 5000 gallons that would cost \$47.55 per month for rural customers which is high for the income levels of the proposed customers in the region. The requested RD grant will allow for reduction in the rates to \$46.72 for 5000 gallons per month for Stanford residents.
5. Reserve. The financial analysis allows for a 10% coverage over the debt service which will provide for the State statute requirements.

VII. CONCLUSIONS AND RECOMMENDATIONS

The Powells Valley Water District facilities are in need of improvements to meet the growing needs of its customers and improve water quality to the existing customers in the area and meet the changing regulations. It is recommended that the Water District pursue all avenues of public facility financing to secure sufficient funds to complete the anticipated works. The project will need the support and coordination of RD in conjunction with one or more of the following funding sources: ARC, EDA, CDBG, DOW, PSC, KIA and DLG..

APPENDIX

MAPS

- Water Mains
- Pump Stations
- Storage Tank

FINANCIAL EXHIBITS

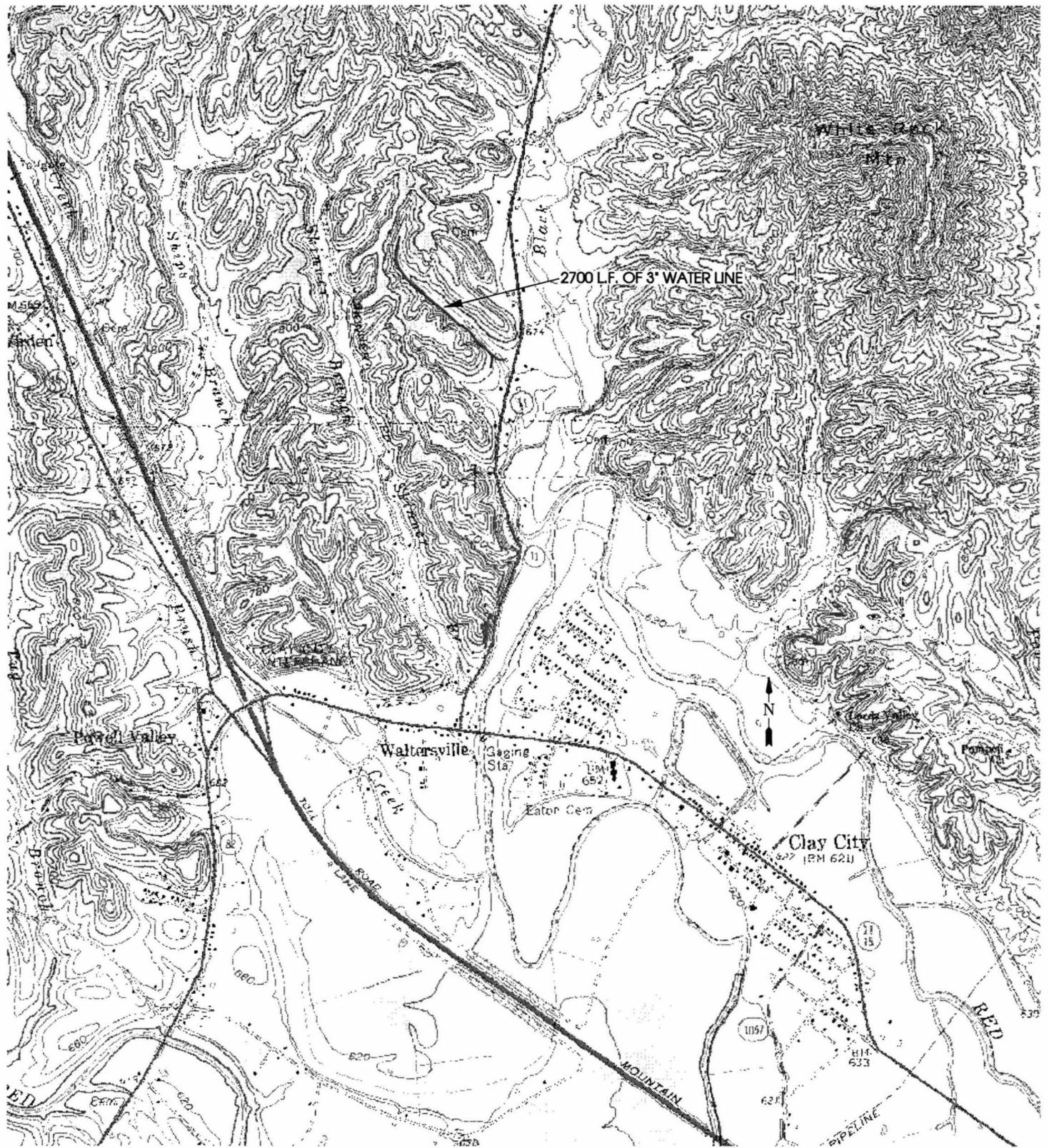
- PSC Annual Report Budgets - 2005 through 2010
- Annual Audit Budgets - 2009 - 2010
- Combined Bond Schedules for All Existing Notes
- Proposed New Bond Schedule
- Billing Analysis - Existing Residential and Commercial Customers

RD SUMMARY / ADDENDUM

HEALTH AND SANITARY LETTER FOR DOW CONCURRENCE

MAPS

Water Mains
Pump Stations
Storage Tank



Map Source: Clay City & Levee USGS Topographic Maps

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Scale: 1"=2000'



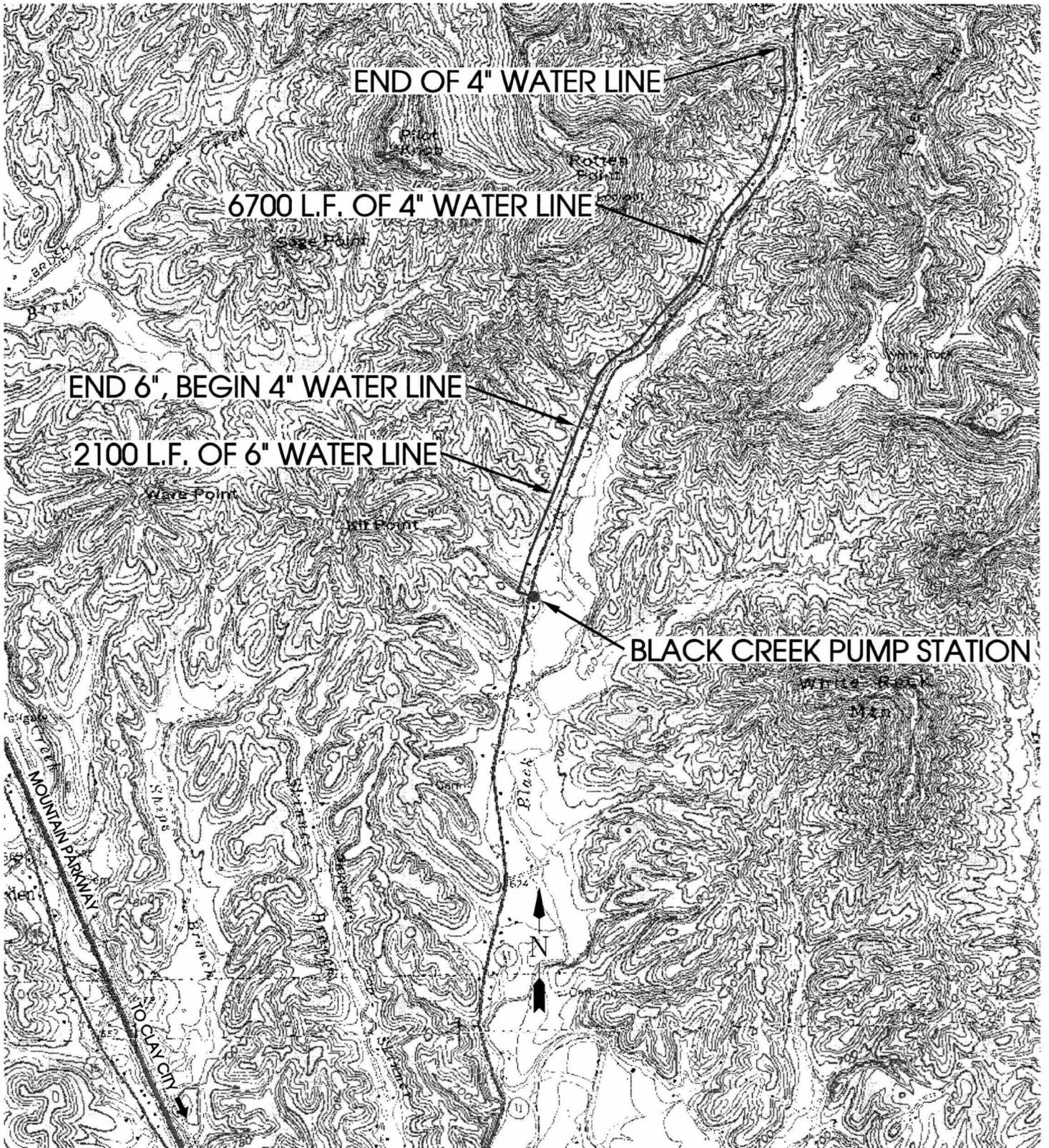
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**POWELLS VALLEY WATER DISTRICT
STOKLEY BRANCH ROAD WATER LINE
LOCATION MAP**

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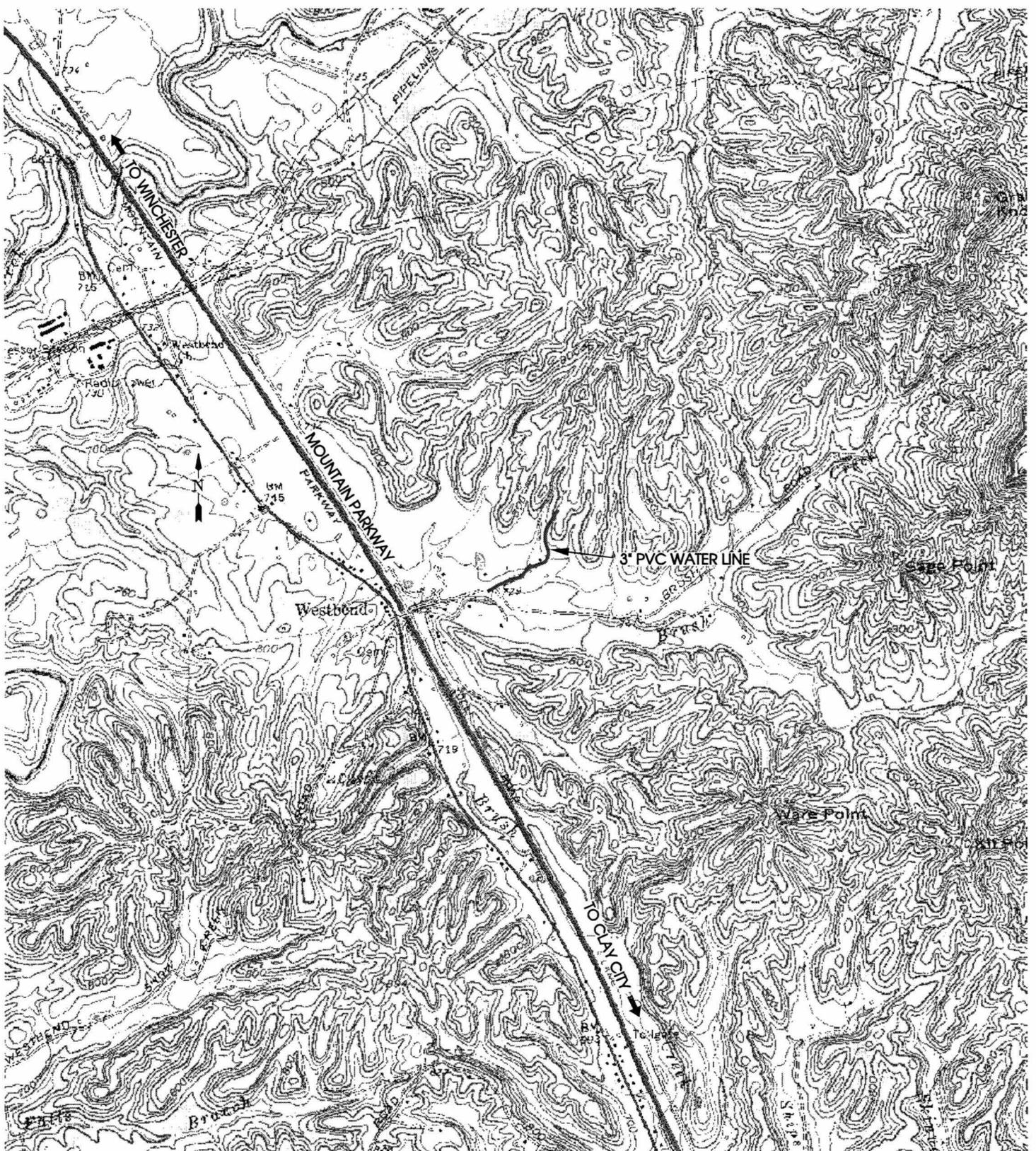
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**POWELLS VALLEY WATER DISTRICT
BLACK CREEK ROAD PROJECT
LOCATION MAP**

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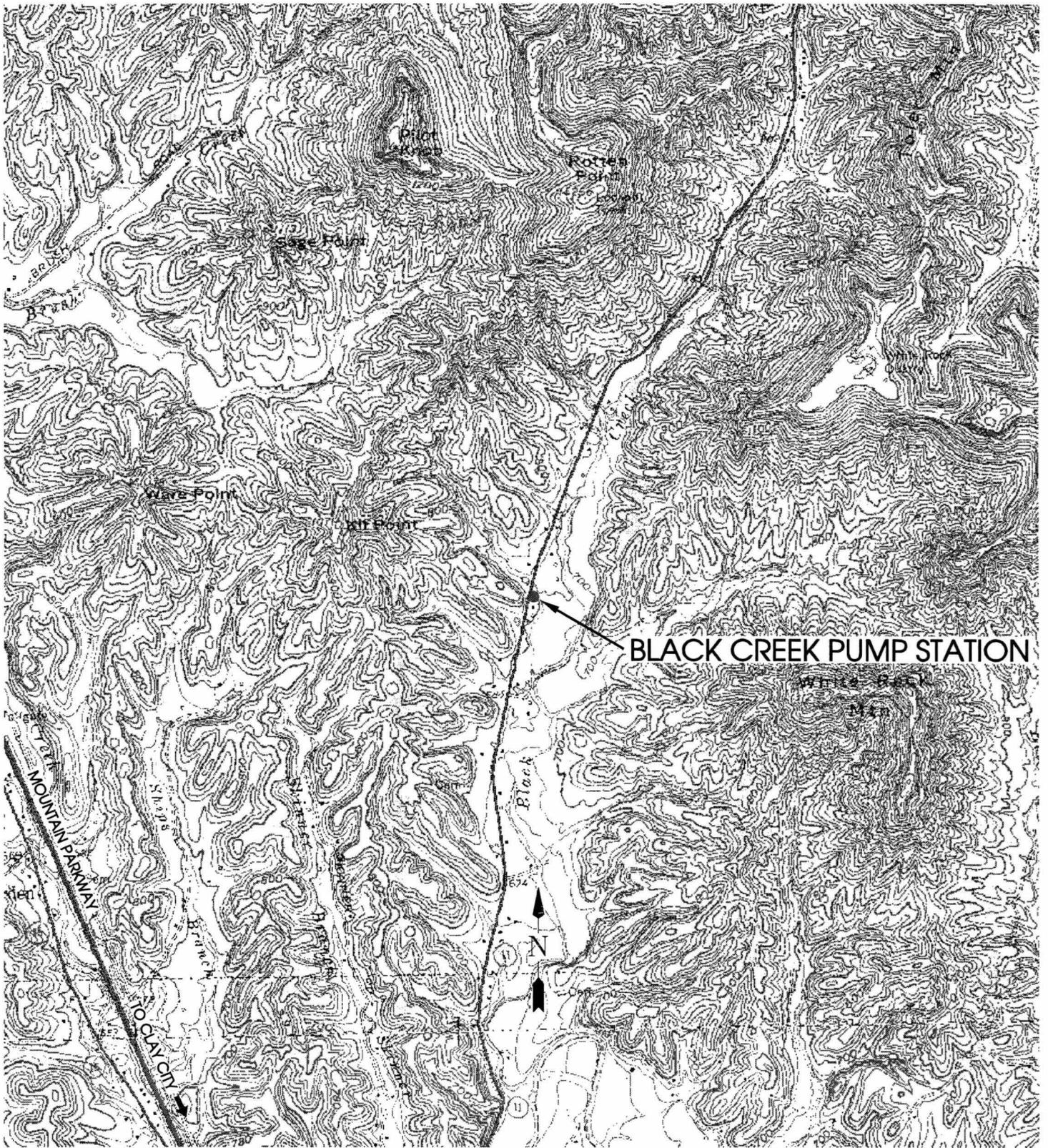
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POWELLS VALLEY WATER DISTRICT
WELLS LANE WATER LINE
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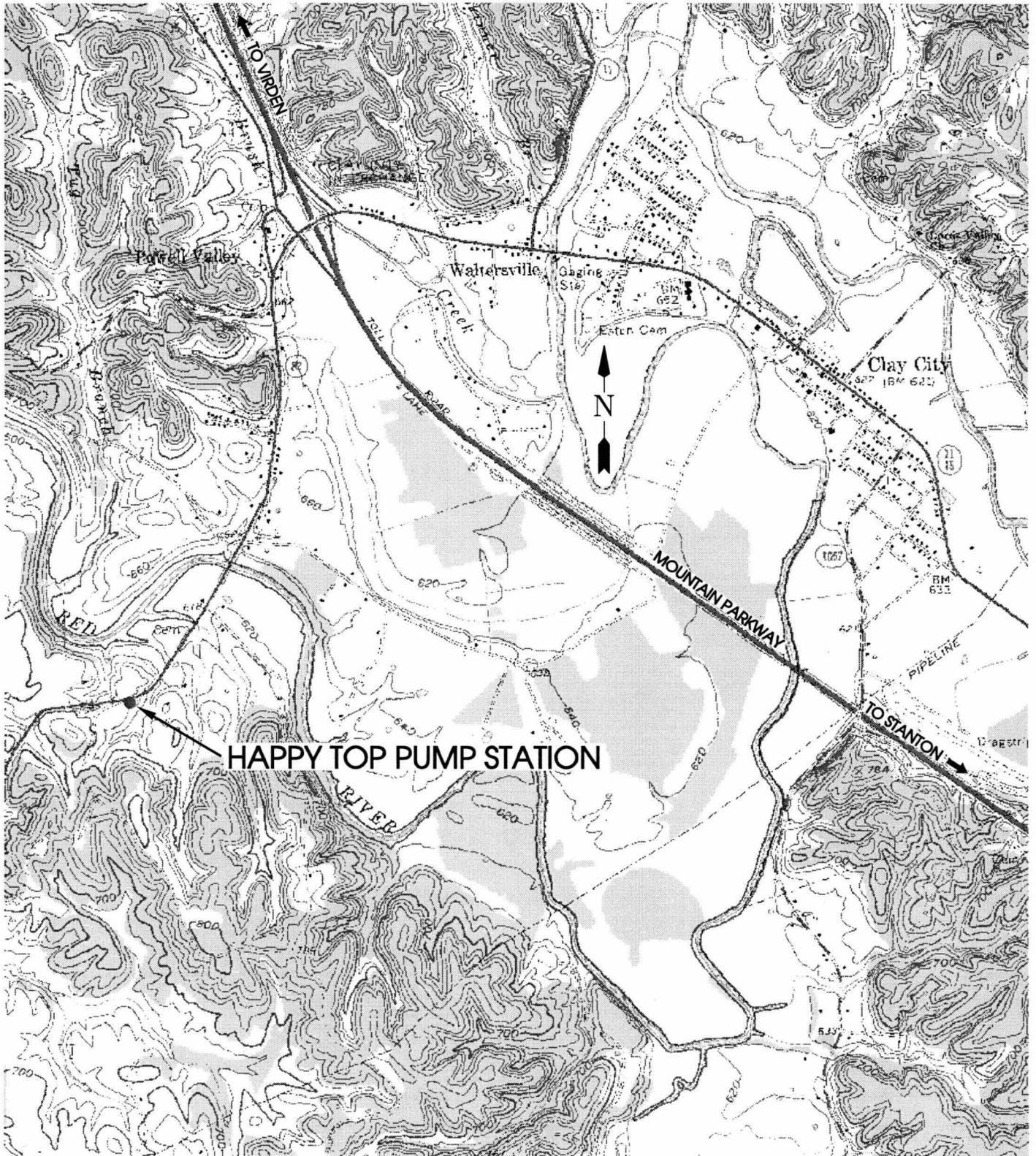
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POWELLS VALLEY WATER DISTRICT
BLACK CREEK PUMP STATION PROJECT
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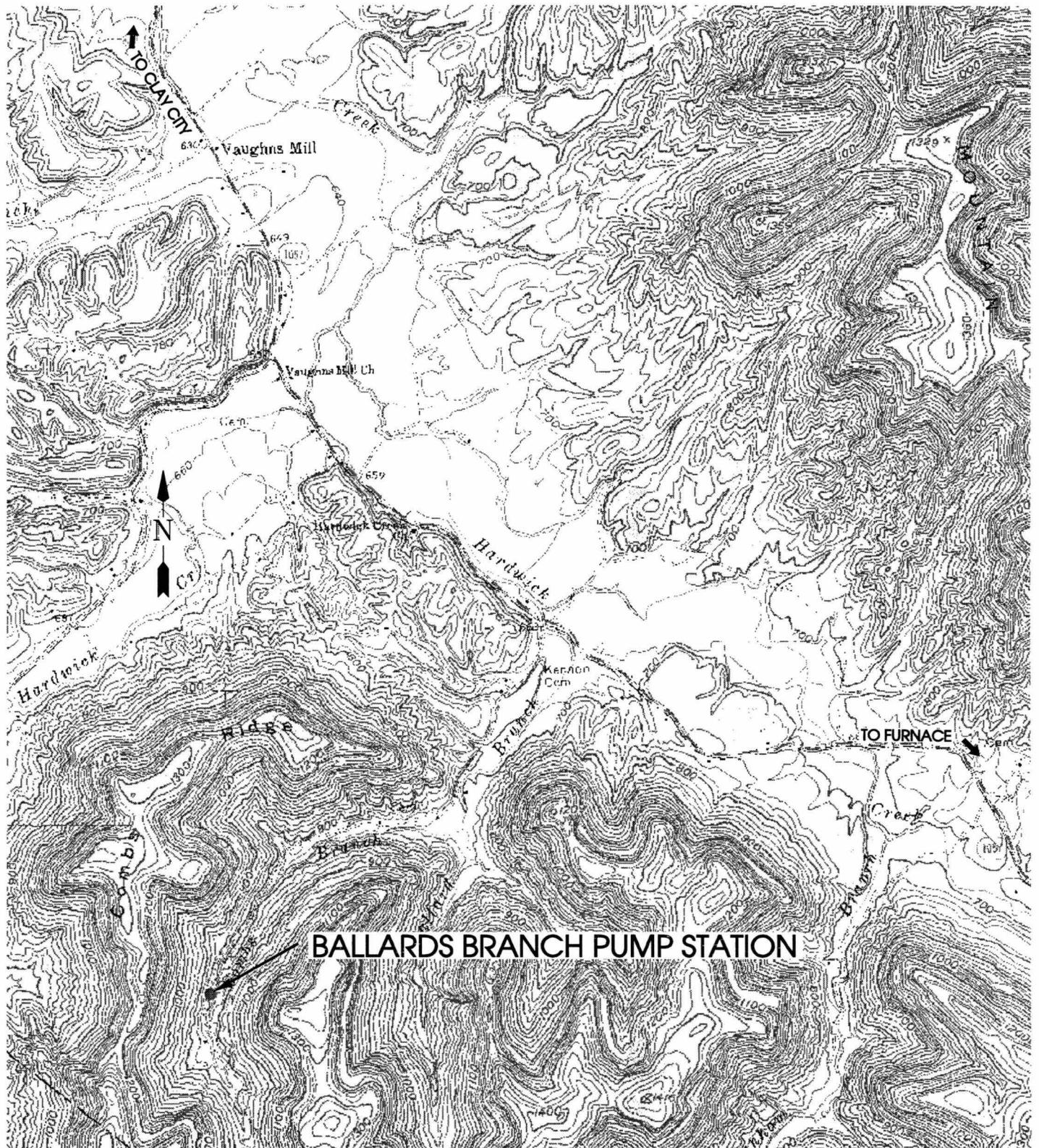
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POWELLS VALLEY WATER DISTRICT
HAPPY TOP PUMP STATION PROJECT
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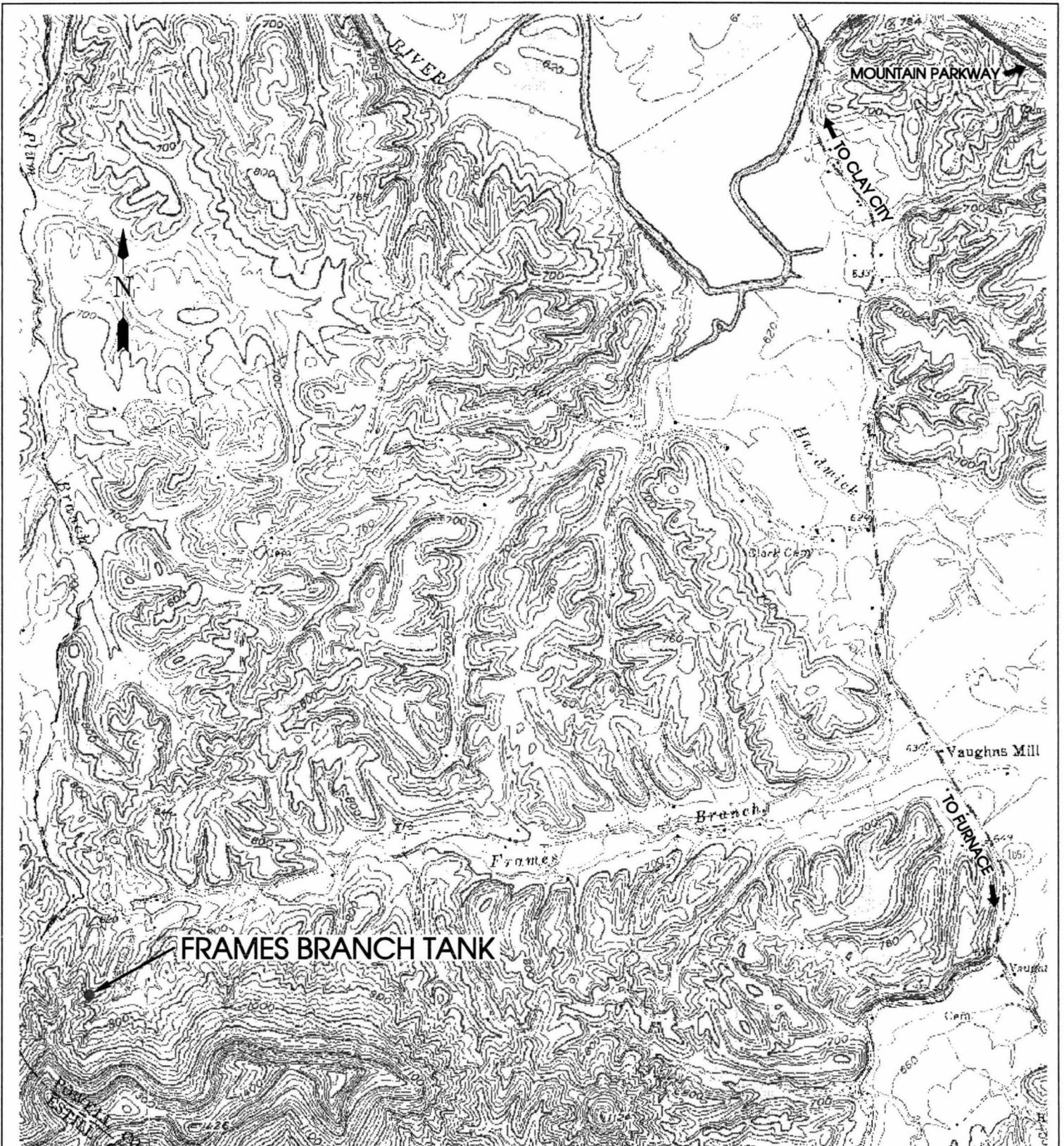
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POWELLS VALLEY WATER DISTRICT
BALLARDS BRANCH PUMP STATION PROJECT
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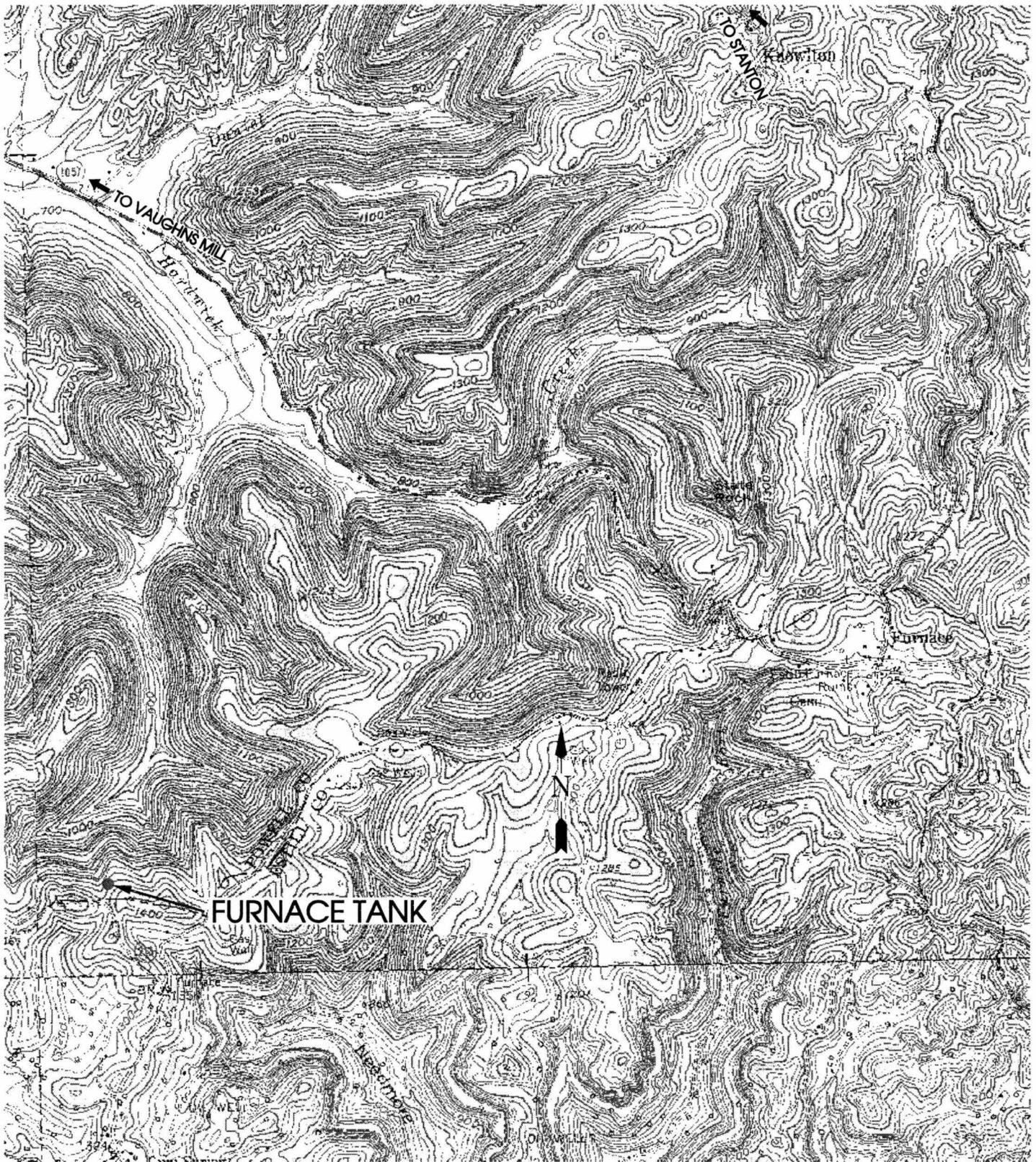
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POWELLS VALLEY WATER DISTRICT
FRAMES BRANCH TANK PROJECT
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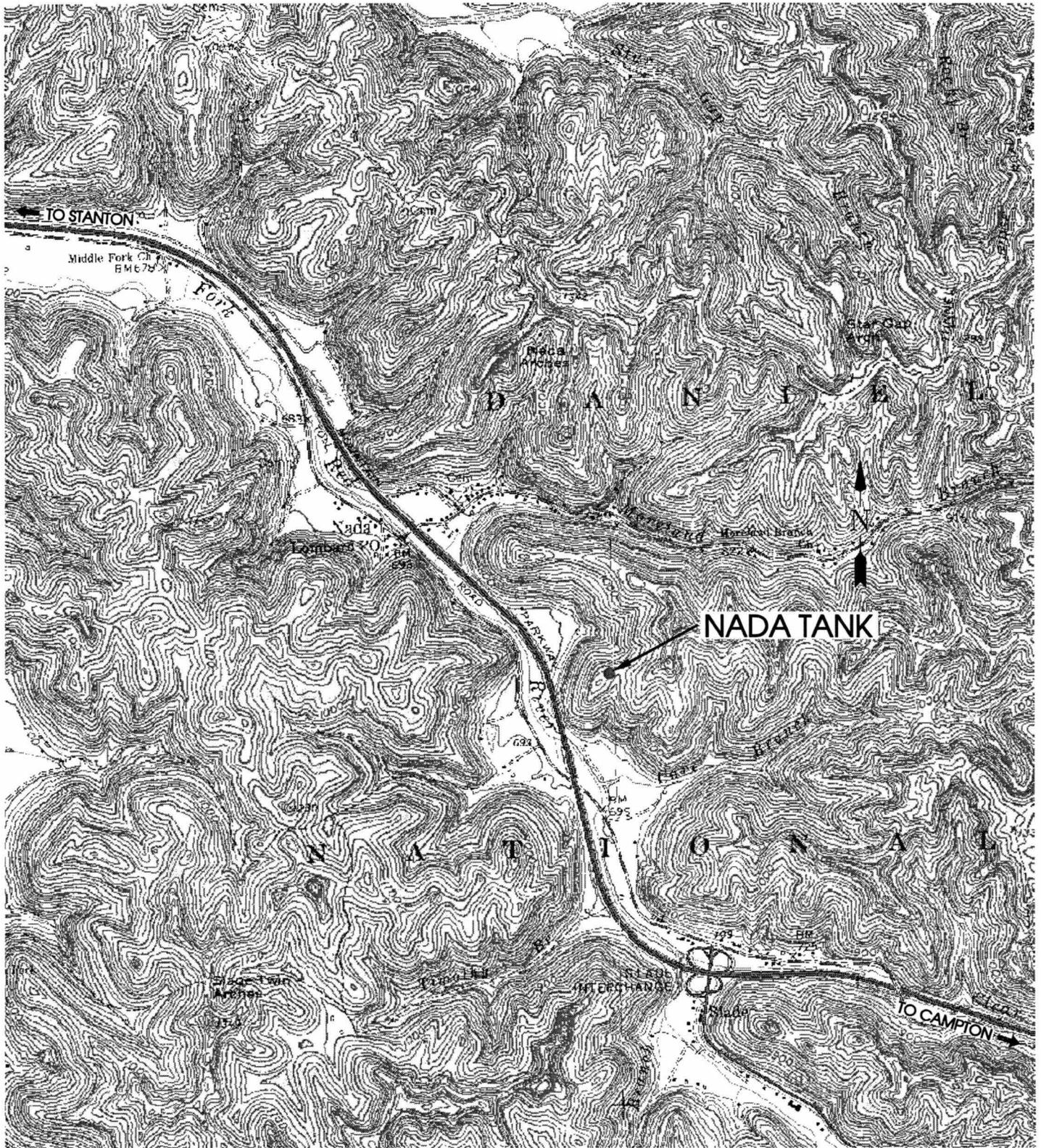
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POWELLS VALLEY WATER DISTRICT
FURNACE TANK PROJECT
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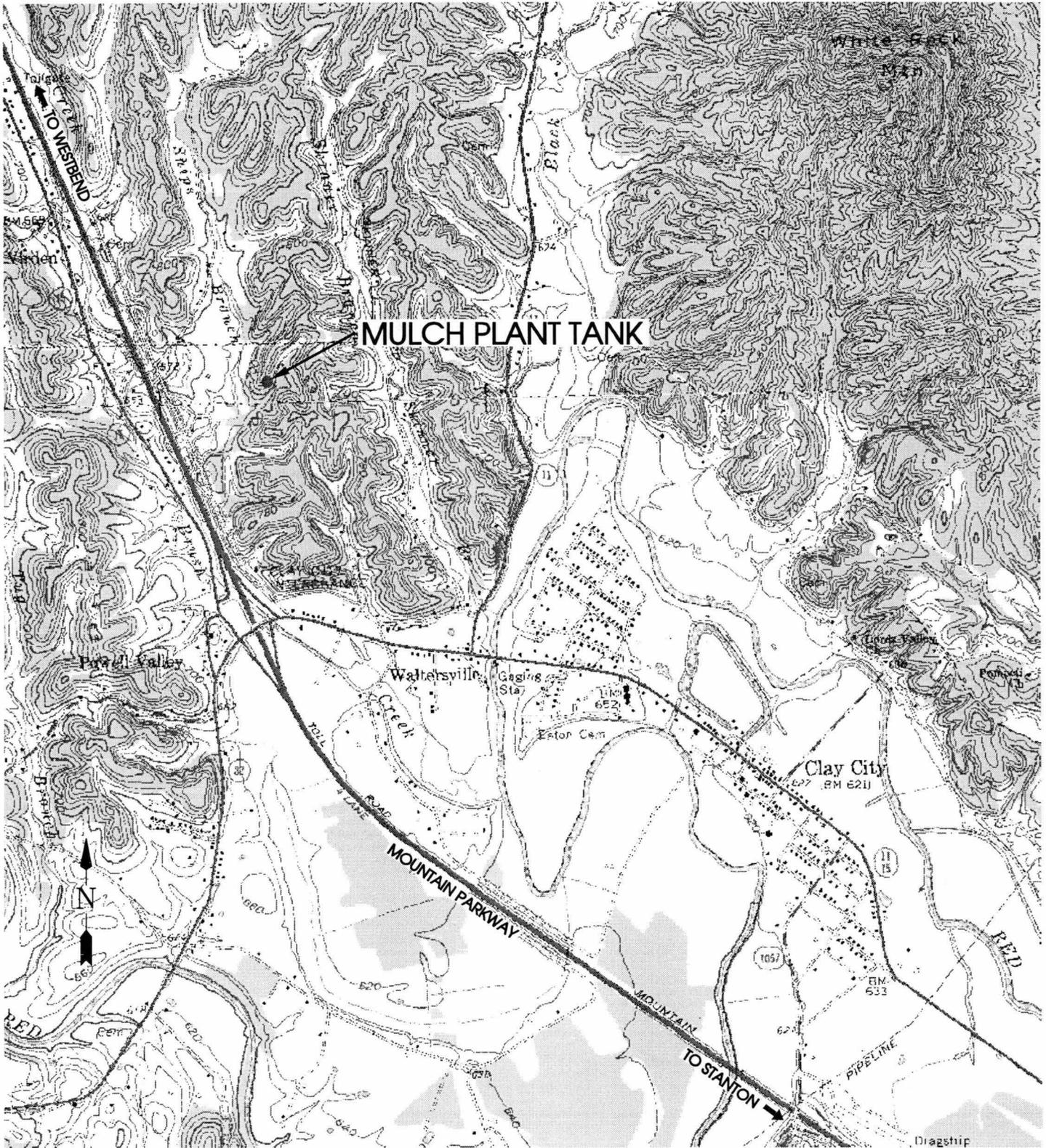
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NADA TANK PROJECT
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FINANCIAL EXHIBITS

PSC Annual Report Budgets - 2005 through 2010

Annual Audit Budgets - 2009 - 2010

Combined Bond Schedules for All Existing Notes

Proposed New Bond Schedule

Billing Analysis - Existing Residential and Commercial Customers

Powells Valley Water District - Budget History
PSC Annual Report Figures

| | | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|----------------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|
| Revenues | | | | | | | |
| Residential | Revenues | \$674,898 | \$689,725 | \$743,718 | \$794,527 | \$861,702 | \$949,989 |
| | Customers | 2,134 | 2,153 | 2,205 | 2,218 | 2,225 | 2,249 |
| Com / Ind | Revenues | \$102,781 | \$101,433 | \$114,271 | \$111,074 | \$141,460 | \$162,285 |
| | Customers | 84 | 96 | 98 | 110 | 116 | 115 |
| Total Sales | Revenues | \$777,679 | \$791,158 | \$857,989 | \$905,601 | \$1,003,162 | \$1,112,274 |
| | Customers | 2,218 | 2,249 | 2,303 | 2,328 | 2,341 | 2,364 |
| Misc Service | | 53,869 | 128,065 | 38,740 | 0 | 0 | 40,553 |
| Total Revenues | | \$831,548 | \$919,223 | \$896,729 | \$905,601 | \$1,003,162 | \$1,152,827 |

Expenses

| | | | | | | | |
|----------------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Salaries, Wages & Benefits | | \$143,695 | \$95,295 | \$160,546 | \$167,656 | \$180,443 | \$208,640 |
| Directors Salaries | | 9,000 | 10,800 | 10,800 | 10,800 | 10,800 | 10,800 |
| Benifits | | 76,468 | 76,465 | 94,915 | 103,101 | 119,354 | 138,268 |
| Purchased Water | | 256,371 | 248,931 | 279,007 | 277,802 | 264,298 | 354,459 |
| Purchased Power | | 48,960 | 39,167 | 48,924 | 56,468 | 55,970 | 60,620 |
| Chemicals | | 0 | 0 | 0 | 0 | 0 | 0 |
| Materials & Supplies | | 68,152 | 53,365 | 40,421 | 39,437 | 70,898 | 102,817 |
| Contract Services | Engr | 0 | 0 | 0 | 0 | 0 | 0 |
| | Acctg | 2,957 | 3,000 | 3,000 | 2,903 | 2,375 | 0 |
| | Legal | 0 | 0 | 0 | 0 | 0 | 0 |
| | Water Testing | 0 | 0 | 0 | 0 | 0 | 0 |
| | Misc | 6,278 | 62,483 | 32,845 | 28,994 | 25,385 | 2,180 |
| Rental Eq | | | 0 | 0 | 0 | 0 | 0 |
| Transportation Exp | | 42,671 | 0 | 5,800 | 5,800 | 854 | 914 |
| Insurance | Liability | | 0 | 15,100 | 14,278 | 19,972 | 24,709 |
| | Workers Comp | 25,573 | 25,460 | 3,519 | 3,511 | 3,340 | 1,496 |
| | Misc | | | 6109 | 2,120 | 1397 | 323 |
| Advertising | | 297 | 0 | 0 | 0 | 0 | |
| Bad Debt | | 0 | 0 | 2,633 | 1,091 | 2,161 | 0 |
| Misc | | 0 | 38,338 | 27,612 | 36,227 | 34,862 | 93,716 |
| | | \$680,422 | \$653,304 | \$731,231 | \$750,188 | \$792,109 | \$998,942 |

POWELLS VALLEY WATER DISTRICT
Annual Audit Figures

| Income / Expenses | Water | | Sewer | | Total | | |
|--|-----------------|---------------|---------------|---------------|---------------|---------------|-------------|
| | 2010 Audit | 2009 Audit | 2010 Audit | 2009 Audit | 2010 Audit | 2009 Audit | |
| Revenues | | | | | | | |
| Users Fees | 1,112,274 | 961,660 | 87,278 | 76,038 | 1,199,552 | 1,037,698 | |
| Other Water Revenues | 40,553 | 41,502 | 0 | 0 | 40,553 | 41,502 | |
| Sub-total | 1,152,827 | 1,003,162 | 87,278 | 76,038 | 1,240,105 | 1,079,200 | |
| Expenses | | | | | | | |
| Water Purchased | 354,459 | 264,298 | 0 | 0 | 354,459 | 264,298 | |
| Salaries & Wages | 219,440 | 191,243 | 0 | 0 | 219,440 | 191,243 | |
| Office | 12,805 | 12,026 | 626 | 452 | 13,431 | 12,478 | |
| Insurance | 27,442 | 25,563 | 0 | 0 | 27,442 | 25,563 | |
| Taxes | 27,961 | 19,553 | 120 | 0 | 28,081 | 19,553 | |
| Outside Services | 42,841 | 27,760 | 5,115 | 8,961 | 47,956 | 36,721 | |
| Employee Benefits | 138,268 | 119,354 | 0 | 0 | 138,268 | 119,354 | |
| Misc | 13,403 | 1,663 | 2,939 | 196 | 16,342 | 1,859 | |
| Depreciation | 183,889 | 175,574 | 18,998 | 18,653 | 202,887 | 194,227 | |
| Supplies | 102,817 | 70,898 | 21,300 | 13,015 | 124,117 | 83,913 | |
| Utilities | 60,620 | 55,970 | 12,939 | 10,159 | 73,559 | 66,129 | |
| Vehicle Expense | 26,847 | 23,334 | 0 | 0 | 26,847 | 23,334 | |
| Sub-total | 1,210,792 | 987,236 | 62,037 | 51,436 | 1,272,829 | 1,038,672 | |
| Operating Income (Loss) | (\$57,965) | \$15,926 | \$25,241 | \$24,602 | (\$32,724) | \$40,528 | |
| Non-Operating Revenues (Expenses) | | | | | | | |
| Grants | \$190,624 | \$241,262 | \$0 | \$2,353 | 190,624 | 243,615 | |
| Misc Income | \$31,752 | \$8,939 | \$1,057 | \$0 | \$32,809 | \$8,939 | |
| Settlement in Lawsuit | | 0 | | -10000 | 0 | (10,000) | |
| Interest Income | \$4,984 | \$4,245 | \$346 | \$168 | \$5,330 | \$4,413 | |
| Interest Expense | (\$80,838) | (\$83,549) | (\$13,493) | (\$13,892) | (\$94,331) | (\$97,441) | |
| Net Non-Op Revenues | \$146,522 | \$170,897 | (\$12,090) | (\$21,371) | \$134,432 | \$149,526 | |
| Net Change In Assets | \$88,557 | \$186,823 | \$13,151 | \$3,231 | \$101,708 | \$190,054 | |
| How Will RD Look at it: | | | | | | | |
| Revenues | Charges | \$1,152,827 | \$1,003,162 | \$87,278 | \$76,038 | \$1,240,105 | \$1,079,200 |
| | Interest Income | \$4,984 | \$4,245 | \$346 | \$168 | \$5,330 | \$4,413 |
| | Misc Income | \$31,752 | \$8,939 | \$1,057 | \$0 | \$32,809 | \$8,939 |
| O&M w/out | Depreciation | (\$1,026,903) | (\$811,662) | (\$43,039) | (\$32,783) | (\$1,069,942) | (\$844,445) |
| Debt | Principal | (\$15,000) | (\$15,000) | \$0 | \$0 | (\$15,000) | (\$15,000) |
| | Interest | (\$80,838) | (\$80,838) | (\$13,493) | (\$13,493) | (\$94,331) | (\$94,331) |
| | Coverage | 10% (\$9,584) | (\$9,584) | (\$1,349) | (\$1,349) | (\$10,933) | (\$10,933) |
| Balance | | \$57,238 | \$99,262 | \$30,800 | \$28,581 | \$88,038 | \$127,843 |

POWELL'S VALLEY WATER DISTRICT
Total all Bond Issues

| YEAR | PRINCIPAL | INTEREST JANUARY | INTEREST JULY | TOTAL | BALANCE |
|------|-----------|---------------------|------------------|---------|-----------|
| 2011 | 39,000 | 39,834 | 38,931 | 117,765 | 1,697,500 |
| 2012 | 42,500 | 38,931 | 37,946 | 119,378 | 1,655,000 |
| 2013 | 43,500 | 37,946 | 36,938 | 118,384 | 1,611,500 |
| 2014 | 45,500 | 36,938 | 35,884 | 118,321 | 1,566,000 |
| 2015 | 47,500 | 35,884 | 34,784 | 118,168 | 1,518,500 |
| 2016 | 51,000 | 34,784 | 33,601 | 119,385 | 1,467,500 |
| 2017 | 53,000 | 33,601 | 32,373 | 118,974 | 1,414,500 |
| 2018 | 55,500 | 32,373 | 31,086 | 118,959 | 1,359,000 |
| 2019 | 57,000 | 31,086 | 29,766 | 117,853 | 1,302,000 |
| 2020 | 61,500 | 29,766 | 28,341 | 119,608 | 1,240,500 |
| 2021 | 63,000 | 28,341 | 26,881 | 118,223 | 1,177,500 |
| 2022 | 66,500 | 26,881 | 25,341 | 118,723 | 1,111,000 |
| 2023 | 69,500 | 25,341 | 23,730 | 118,571 | 1,041,500 |
| 2024 | 72,000 | 23,730 | 22,064 | 117,794 | 969,500 |
| 2025 | 75,500 | 22,064 | 20,314 | 117,878 | 894,000 |
| 2026 | 79,500 | 20,314 | 18,473 | 118,286 | 814,500 |
| 2027 | 82,500 | 18,473 | 16,563 | 117,535 | 732,000 |
| 2028 | 72,500 | 16,563 | 14,909 | 103,971 | 659,500 |
| 2029 | 76,000 | 14,909 | 13,176 | 104,085 | 583,500 |
| 2030 | 80,000 | 13,176 | 11,351 | 104,528 | 503,500 |
| 2031 | 83,000 | 11,351 | 9,461 | 103,813 | 420,500 |
| 2032 | 77,000 | 9,461 | 7,729 | 94,190 | 343,500 |
| 2033 | 81,500 | 7,729 | 5,895 | 95,124 | 262,000 |
| 2034 | 21,000 | 5,895 | 5,423 | 32,318 | 241,000 |
| 2035 | 22,000 | 5,423 | 4,928 | 32,350 | 219,000 |
| 2036 | 23,000 | 4,928 | 4,410 | 32,338 | 196,000 |
| 2037 | 24,000 | 4,410 | 3,870 | 32,280 | 172,000 |
| 2038 | 26,000 | 3,870 | 3,285 | 33,155 | 146,000 |
| 2039 | 27,000 | 3,285 | 2,678 | 32,963 | 119,000 |
| 2040 | 28,000 | 2,678 | 2,048 | 32,725 | 91,000 |
| 2041 | 29,000 | 2,048 | 1,395 | 32,443 | 62,000 |
| 2042 | 30,000 | 1,395 | 720 | 32,115 | 32,000 |
| 2043 | 32,000 | 720 | 0 | 32,720 | 0 |

Proposed Bond Schedule

| | | |
|---|-------------|-----------|
| Loan Supported by Paid Bond Issue | | \$439,356 |
| Annual Interest Rate | | 2.25% |
| Loan Period (Principal deferred 2 yrs.) | | 38 |
| Average Annual Payments | 0.039427526 | \$17,323 |

| Year | Balance | Interest | Principal | P&I |
|------|-----------|----------|-----------|----------|
| 1 | \$439,356 | \$9,886 | \$0 | \$9,886 |
| 2 | \$439,356 | \$9,886 | \$0 | \$9,886 |
| 3 | \$439,356 | \$9,886 | \$7,437 | \$17,323 |
| 4 | \$431,919 | \$9,718 | \$7,605 | \$17,323 |
| 5 | \$424,314 | \$9,547 | \$7,776 | \$17,323 |
| 6 | \$416,539 | \$9,372 | \$7,951 | \$17,323 |
| 7 | \$408,588 | \$9,193 | \$8,129 | \$17,323 |
| 8 | \$400,459 | \$9,010 | \$8,312 | \$17,323 |
| 9 | \$392,146 | \$8,823 | \$8,499 | \$17,323 |
| 10 | \$383,647 | \$8,632 | \$8,691 | \$17,323 |
| 11 | \$374,956 | \$8,437 | \$8,886 | \$17,323 |
| 12 | \$366,070 | \$8,237 | \$9,086 | \$17,323 |
| 13 | \$356,984 | \$8,032 | \$9,291 | \$17,323 |
| 14 | \$347,693 | \$7,823 | \$9,500 | \$17,323 |
| 15 | \$338,194 | \$7,609 | \$9,713 | \$17,323 |
| 16 | \$328,480 | \$7,391 | \$9,932 | \$17,323 |
| 17 | \$318,548 | \$7,167 | \$10,155 | \$17,323 |
| 18 | \$308,393 | \$6,939 | \$10,384 | \$17,323 |
| 19 | \$298,009 | \$6,705 | \$10,618 | \$17,323 |
| 20 | \$287,391 | \$6,466 | \$10,856 | \$17,323 |
| 21 | \$276,535 | \$6,222 | \$11,101 | \$17,323 |
| 22 | \$265,434 | \$5,972 | \$11,350 | \$17,323 |
| 23 | \$254,084 | \$5,717 | \$11,606 | \$17,323 |
| 24 | \$242,478 | \$5,456 | \$11,867 | \$17,323 |
| 25 | \$230,611 | \$5,189 | \$12,134 | \$17,323 |
| 26 | \$218,477 | \$4,916 | \$12,407 | \$17,323 |
| 27 | \$206,070 | \$4,637 | \$12,686 | \$17,323 |
| 28 | \$193,384 | \$4,351 | \$12,972 | \$17,323 |
| 29 | \$180,412 | \$4,059 | \$13,263 | \$17,323 |
| 30 | \$167,149 | \$3,761 | \$13,562 | \$17,323 |
| 31 | \$153,587 | \$3,456 | \$13,867 | \$17,323 |
| 32 | \$139,720 | \$3,144 | \$14,179 | \$17,323 |
| 33 | \$125,541 | \$2,825 | \$14,498 | \$17,323 |
| 34 | \$111,043 | \$2,498 | \$14,824 | \$17,323 |
| 35 | \$96,219 | \$2,165 | \$15,158 | \$17,323 |
| 36 | \$81,061 | \$1,824 | \$15,499 | \$17,323 |
| 37 | \$65,562 | \$1,475 | \$15,848 | \$17,323 |
| 38 | \$49,714 | \$1,119 | \$16,204 | \$17,323 |
| 39 | \$33,510 | \$754 | \$16,569 | \$17,323 |
| 40 | \$16,942 | \$381 | \$16,942 | \$17,323 |
| 41 | \$0 | \$0 | | |

POWELLS VALLEY WATER DISTRICT

Existing Billing Analysis

| Monthly Water Usage | Residential | | | Non-Residential / Commercial | | | | |
|-----------------------------------|---------------|--------------|---------------|------------------------------|---------------------|--------------|--------------------|-----------------------|
| | Average Usage | Average Rate | No. of Bills | Usage | Income | No. of Bills | Usage | Income |
| 0 - 2,000 | 1,000 | \$20.74 | 9469 | 9,469,000 | \$196,387.06 | 586 | 586,000 | 12,153.64 |
| 2,000 - 3,000 | 2,500 | 25.22 | 5374 | 13,435,000 | 135,532.28 | 219 | 547,500 | 5,523.18 |
| 3,000 - 4,000 | 3,500 | 34.18 | 4511 | 15,788,500 | 154,185.98 | 118 | 413,000 | 4,033.24 |
| 4,000 - 5,000 | 4,500 | 42.69 | 2979 | 13,405,500 | 127,173.51 | 81 | 364,500 | 3,457.89 |
| 5,000 - 6,000 | 5,500 | 50.75 | 1760 | 9,680,000 | 89,320.00 | 49 | 269,500 | 2,486.75 |
| 6,000 - 7,000 | 6,500 | 58.55 | 1077 | 7,000,500 | 63,052.97 | 27 | 175,500 | 1,580.72 |
| 7,000 - 8,000 | 7,500 | 66.08 | 629 | 4,717,500 | 41,561.18 | 29 | 217,500 | 1,916.18 |
| 8,000 - 9,000 | 8,500 | 73.61 | 376 | 3,196,000 | 27,675.48 | 20 | 170,000 | 1,472.10 |
| 9,000 - 10,000 | 9,500 | 81.14 | 233 | 2,213,500 | 18,904.46 | 28 | 266,000 | 2,271.78 |
| 10,000 - 11,000 | 10,500 | 88.67 | 138 | 1,449,000 | 12,235.77 | 20 | 210,000 | 1,773.30 |
| 11,000 - 12,000 | 11,500 | 96.20 | 78 | 897,000 | 7,503.21 | 15 | 172,500 | 1,442.93 |
| 12,000 - 13,000 | 12,500 | 103.73 | 59 | 737,500 | 6,119.78 | 5 | 62,500 | 518.63 |
| 13,000 - 14,000 | 13,500 | 111.26 | 56 | 756,000 | 6,230.28 | 12 | 162,000 | 1,335.06 |
| 14,000 - 15,000 | 14,500 | 118.79 | 36 | 522,000 | 4,276.26 | 7 | 101,500 | 831.50 |
| 15,000 - 16,000 | 15,500 | 126.32 | 32 | 496,000 | 4,042.08 | 10 | 155,000 | 1,263.15 |
| 16,000 - 17,000 | 16,500 | 133.85 | 19 | 313,500 | 2,543.06 | 4 | 66,000 | 535.38 |
| 17,000 - 18,000 | 17,500 | 141.38 | 14 | 245,000 | 1,979.25 | 7 | 122,500 | 989.63 |
| 18,000 - 19,000 | 18,500 | 148.91 | 14 | 259,000 | 2,084.67 | 4 | 74,000 | 595.62 |
| 19,000 - 20,000 | 19,500 | 156.44 | 14 | 273,000 | 2,190.09 | 7 | 136,500 | 1,095.05 |
| 20,000 - 25,000 | 22,500 | 179.03 | 32 | 720,000 | 5,728.80 | 14 | 315,000 | 2,506.35 |
| 25,000 - 30,000 | 27,500 | 216.68 | 25 | 687,500 | 5,416.88 | 9 | 247,500 | 1,950.08 |
| 30,000 - 35,000 | 32,500 | 254.33 | 12 | 390,000 | 3,051.90 | 11 | 357,500 | 2,797.58 |
| 35,000 - 40,000 | 37,500 | 291.98 | 3 | 112,500 | 875.93 | 15 | 562,500 | 4,379.63 |
| 40,000 - 45,000 | 42,500 | 329.63 | 1 | 42,500 | 329.63 | 10 | 425,000 | 3,296.25 |
| 45,000 - 50,000 | 47,500 | 367.28 | 2 | 95,000 | 734.55 | 5 | 237,500 | 1,836.38 |
| 50,000 - 60,000 | 55,000 | 423.75 | 39 | 2,145,000 | 16,526.25 | 10 | 550,000 | 4,237.50 |
| 60,000 - 70,000 | 65,000 | 499.05 | 1 | 65,000 | 499.05 | 3 | 195,000 | 1,497.15 |
| 70,000 - 80,000 | 75,000 | 574.35 | | 0 | 0.00 | 0 | 0 | 0.00 |
| 80,000 - 90,000 | 85,000 | 649.65 | 1 | 85,000 | 649.65 | 5 | 425,000 | 3,248.25 |
| 90,000 - 100,000 | 95,000 | 724.95 | | 0 | 0.00 | 1 | 95,000 | 724.95 |
| | | | | | | | 0 | 0.00 |
| Sub-total | | | 26,984 | 89,196,000 | \$936,809.97 | 1,331 | 7,682,000 | \$71,750 |
| LARGE USERS > 100,000 G | | | | | | | | |
| 1 | 412,520 | \$3,115.88 | 4 | 1,650,080 | \$12,463.50 | 0 | 0 | \$0.00 |
| 2 | 197,400 | 1,496.02 | 0 | 0 | 0.00 | 61 | 12,041,400 | 91,257.34 |
| 3 | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| 4 | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| 5 | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Sub-total | 0 | | 4 | 1,650,080 | \$12,463.50 | 61 | 12,041,400 | \$91,257.34 |
| TOTAL FOR ALL USERS | | | 26,988 | 90,846,080 | \$949,273.47 | 1392 | 19,723,400 | \$163,007.14 |
| PSC Report Figures | | | 26988 | 89,113,000 | \$949,989 | 1392 | 20,182,000 | \$162,285 |
| Grand Total All Users | | | | | | 28380 | 110,569,480 | \$1,112,280.61 |

RD SUMMARY / ADDENDUM

SUMMARY ADDENDUM
TO
PRELIMINARY ENGINEERING REPORT

DATED April 2011

FOR

2012 Water System Improvement and Extension Project
(Name of Project)

APPLICANT CONTACT PERSON Scott Taylor, P.E.

APPLICANT PHONE NUMBER (606) 223-5694

APPLICANT TAX IDENTIFICATION NUMBER (TIN) _____

ITEMS IN BOLD ITALIC PRINT ARE APPLICABLE TO SEWER SYSTEMS.

In order to avoid unnecessary delays in application processing, the applicant and its consulting engineer should prepare a summary of the preliminary report in accordance with this Guide.

Please complete the applicable sections of the Summary Addendum. ***Please note, if water and sewer revenue will both be taken as security for the loan, all user information and characteristics of both utility systems will be needed even though the project will benefit only one utility.***

Feasibility reviews and grant determinations may be processed more accurately and more rapidly if the Summary/Addendum is submitted simultaneously with the preliminary engineering report, or as soon thereafter as possible.

I. GENERAL

- A. Proposed Project: Provide a brief description of the proposed project. In addition to this summary, the applicant/engineer should submit a project map of the service area.

This project will replace the aged tuberculated mains along Danville Street and construct a new parallel water main connecting branch line dead ends eliminating stagnating water quality issues while improving hydraulic conveyance for the area.

II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM

A. *Sewage Treatment:*

1. Type Extended Aeration
2. Method of Sludge Disposal Landfill (dried)
3. Cost per 1,000 gallons if sewage treatment is contracted:
\$ N/A
4. Date Constructed 2000 2006

B. Treatment Capacity of Sewage Treatment Plant 0.08 MGD

C. Type of Sewage Collector System (Describe) _____
Combination of gravity mains, lift stations and force mains.

D. Number and Capacity of Sewage Lift Stations 2 - 150 gpm

E. Sewage Collection System:

Lineal Feet of Collector Lines, by size 6" _____ 8" 25,000

10" _____ 12" _____, Larger _____

Date(s) Constructed _____

F. Conditions of Existing System: Briefly describe the conditions and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

Good

III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract if applicable.

Impoundment, to WTP (2 MGD)

If the applicant purchases water:

Seller(s):

1. Beech Fork Water Commission
2. _____
3. _____

Price/1,000 gallons:

1. _____
2. _____
3. _____

Present Estimated Market Value of Existing System: \$ _____

IV. EXISTING LONG-TERM INDEBTEDNESS

See Attached Bond Schedules

A. List of Bonds and Notes:

| <u>Date of Issue</u> | <u>Bond/Note Holder</u> | <u>Principal Balance</u> | <u>Payment Date</u> | <u>Bond Type Water-Sewer*</u> | | <u>Amount on Deposit in Reserve Account</u> |
|----------------------|-------------------------|--------------------------|---------------------|-------------------------------|---------|---|
| 19 __ Issue | _____ | \$ _____ | _____ | _____ % | _____ % | _____ |
| 19 __ Issue | _____ | \$ _____ | _____ | _____ % | _____ % | _____ |
| 19 __ Issue | _____ | \$ _____ | _____ | _____ % | _____ % | _____ |
| 19 __ Issue | _____ | \$ _____ | _____ | _____ % | _____ % | _____ |
| 19 __ Issue | _____ | \$ _____ | _____ | _____ % | _____ % | _____ |

* If a combined issue, show attributable portion to each system.

B. Principal and Interest Payments: (Begin with Next Fiscal Year Payment)

| <u>Date of Issue</u> | <u>Bond/Note Holder</u> | <u>Payment Year</u> | | <u>Payment Year</u> | | <u>Payment Year</u> | |
|----------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|
| | | <u>1999</u> | <u>Interest Payment</u> | <u>2000</u> | <u>Interest Payment</u> | <u>2001</u> | <u>Interest Payment</u> |
| 19 __ Issue | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 19 __ Issue | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 19 __ Issue | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 19 __ Issue | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 19 __ Issue | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 19 __ Issue | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

POWELL'S VALLEY WATER DISTRICT
Total all Bond Issues

| YEAR | PRINCIPAL | INTEREST JANUARY | INTEREST JULY | TOTAL | BALANCE |
|------|-----------|---------------------|------------------|---------|-----------|
| 2011 | 39,000 | 39,834 | 38,931 | 117,765 | 1,697,500 |
| 2012 | 42,500 | 38,931 | 37,946 | 119,378 | 1,655,000 |
| 2013 | 43,500 | 37,946 | 36,938 | 118,384 | 1,611,500 |
| 2014 | 45,500 | 36,938 | 35,884 | 118,321 | 1,566,000 |
| 2015 | 47,500 | 35,884 | 34,784 | 118,168 | 1,518,500 |
| 2016 | 51,000 | 34,784 | 33,601 | 119,385 | 1,467,500 |
| 2017 | 53,000 | 33,601 | 32,373 | 118,974 | 1,414,500 |
| 2018 | 55,500 | 32,373 | 31,086 | 118,959 | 1,359,000 |
| 2019 | 57,000 | 31,086 | 29,766 | 117,853 | 1,302,000 |
| 2020 | 61,500 | 29,766 | 28,341 | 119,608 | 1,240,500 |
| 2021 | 63,000 | 28,341 | 26,881 | 118,223 | 1,177,500 |
| 2022 | 66,500 | 26,881 | 25,341 | 118,723 | 1,111,000 |
| 2023 | 69,500 | 25,341 | 23,730 | 118,571 | 1,041,500 |
| 2024 | 72,000 | 23,730 | 22,064 | 117,794 | 969,500 |
| 2025 | 75,500 | 22,064 | 20,314 | 117,878 | 894,000 |
| 2026 | 79,500 | 20,314 | 18,473 | 118,286 | 814,500 |
| 2027 | 82,500 | 18,473 | 16,563 | 117,535 | 732,000 |
| 2028 | 72,500 | 16,563 | 14,909 | 103,971 | 659,500 |
| 2029 | 76,000 | 14,909 | 13,176 | 104,085 | 583,500 |
| 2030 | 80,000 | 13,176 | 11,351 | 104,528 | 503,500 |
| 2031 | 83,000 | 11,351 | 9,461 | 103,813 | 420,500 |
| 2032 | 77,000 | 9,461 | 7,729 | 94,190 | 343,500 |
| 2033 | 81,500 | 7,729 | 5,895 | 95,124 | 262,000 |
| 2034 | 21,000 | 5,895 | 5,423 | 32,318 | 241,000 |
| 2035 | 22,000 | 5,423 | 4,928 | 32,350 | 219,000 |
| 2036 | 23,000 | 4,928 | 4,410 | 32,338 | 196,000 |
| 2037 | 24,000 | 4,410 | 3,870 | 32,280 | 172,000 |
| 2038 | 26,000 | 3,870 | 3,285 | 33,155 | 146,000 |
| 2039 | 27,000 | 3,285 | 2,678 | 32,963 | 119,000 |
| 2040 | 28,000 | 2,678 | 2,048 | 32,725 | 91,000 |
| 2041 | 29,000 | 2,048 | 1,395 | 32,443 | 62,000 |
| 2042 | 30,000 | 1,395 | 720 | 32,115 | 32,000 |
| 2043 | 32,000 | 720 | 0 | 32,720 | 0 |

V. EXISTING SHORT-TERM INDEBTEDNESS

A. List of All Sort Term Debts: (Do Not Show Any Debt Listed in Paragraph IV Above)

| <u>Lender or Lessor</u> | <u>Date of Issue (Month & Year)</u> | <u>Principal Balance</u> | <u>Purpose (Water and/ or Sewer)</u> | <u>Payment Date</u> | <u>Principal & Interest Payment (P&I)</u> | <u>Date to Be Paid In Full</u> |
|-----------------------------|---|------------------------------|--|-------------------------|---|--|
| N/A | | | | | | |
| N/A | | | | | | |
| N/A | | | | | | |
| N/A | | | | | | |
| N/A | | | | | | |
| N/A | | | | | | |

VI. LAND AND RIGHTS - EXISTING SYSTEM(S)

| | | | | |
|----------------------------------|-------|-------------------|--------------|-------------------|
| Number of Treatment Plant Sites: | Water | <u>0</u> | <i>Sewer</i> | <u> </u> |
| Number of Storage Tank Sites | Water | <u>7</u> | <i>Sewer</i> | <u> </u> |
| Number of Pump Stations: | Water | <u>5</u> | <i>Sewer</i> | <u> </u> |
| Total Acreage: | Water | <u>50 Acres</u> | <i>Sewer</i> | <u> Acres</u> |
| Purchase Price: | Water | <u> </u> | <i>Sewer</i> | <u> </u> |

VII. NUMBER OF EXISTING USERS

| | | |
|--|------------|--------------|
| | Water | <i>Sewer</i> |
| Residential (In Town)* | 0 | 0 |
| Residential (Out of Town)* | 2249 | 65 |
| Non-Residential (In Town) | 0 | 0 |
| Non-Residential (Out of Town) | <u>116</u> | <u>36</u> |
| Total | 2365 | 101 |
| Number to Total Potential Users Living in the Service Area | 3000 | 120 |

Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residence.

VIII. CURRENT WATER AND SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

| <u>Meter Size</u> | <u>Water Connection Fee</u> | <u>Sewer Connection Fee</u> |
|--------------------|-----------------------------|-----------------------------|
| <u>5/8" x 3/4"</u> | \$ <u>750</u> | \$ <u>1010.5</u> |
| <u>1 inch</u> | \$ <u>Cost</u> | \$ <u>Cost</u> |

IX. SEWER RATES - EXISTING SYSTEM

Percentage of Water Bill N/A % Minimum Charge \$ N/A

Other: (If Charge Not Based on Water Bill) _____

First 2000 G @ \$25.12, + \$12.56 / 1000 G thereafter

Date This Rate Went Into Effect 4-14-2009

X. WATER RATES - EXISTING SYSTEM

Existing Rate Schedule:

SEE ATTACHED SCHEDULE

| | | | | | |
|----------|--------------|---------|---|-----------------|--------------------|
| First | <u>2,000</u> | Gallons | @ | \$ <u>20.74</u> | Minimum |
| Next | <u>2,000</u> | Gallons | @ | \$ <u>8.96</u> | per 1,000 Gallons. |
| Next | <u>2,000</u> | Gallons | @ | \$ <u>8.06</u> | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| All Over | <u>6,000</u> | Gallons | @ | \$ <u>7.53</u> | per 1,000 Gallons. |

Date This Rate Went Into Effect Jan, 2010

If More Than One Rate Schedule, Please Include All Schedules.

See Attached Schedule

XI. ANALYSIS OF ACTUAL SEWER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD

NO SEWER CHANGES

| <i>For Period</i> _____ <i>to</i> _____ | | | | | | | |
|---|----------------------------|----------------|----------------------|---------------------|------------------------|---------------------|-----|
| <i>All Meter Sizes</i> | <i>Monthly Sewer Usage</i> | <i>Average</i> | <i>Residential</i> | | <i>Non-Residential</i> | | |
| | | | <i>No. of Users</i> | <i>Usage (1000)</i> | <i>No. of Users</i> | <i>Usage (1000)</i> | |
| 0 | - 2,000 Gallons | 1,000 | _____ | _____ | _____ | _____ | |
| 2,000 | - 3,000 Gallons | 2,500 | _____ | _____ | _____ | _____ | |
| 3,000 | - 4,000 Gallons | 3,500 | _____ | _____ | _____ | _____ | |
| 4,000 | - 5,000 Gallons | 4,500 | _____ | _____ | _____ | _____ | |
| 5,000 | - 6,000 Gallons | 5,500 | _____ | _____ | _____ | _____ | |
| 6,000 | - 7,000 Gallons | 6,500 | _____ | _____ | _____ | _____ | |
| 7,000 | - 8,000 Gallons | 7,500 | _____ | _____ | _____ | _____ | |
| 8,000 | - 9,000 Gallons | 8,500 | _____ | _____ | _____ | _____ | |
| 9,000 | - 10,000 Gallons | 9,500 | _____ | _____ | _____ | _____ | |
| 10,000 | - 11,000 Gallons | 10,500 | _____ | _____ | _____ | _____ | |
| 11,000 | - 12,000 Gallons | 11,500 | _____ | _____ | _____ | _____ | |
| 12,000 | - 13,000 Gallons | 12,500 | _____ | _____ | _____ | _____ | |
| 13,000 | - 14,000 Gallons | 13,500 | _____ | _____ | _____ | _____ | |
| 14,000 | - 15,000 Gallons | 14,500 | _____ | _____ | _____ | _____ | |
| 15,000 | - 16,000 Gallons | 15,500 | _____ | _____ | _____ | _____ | |
| 16,000 | - 17,000 Gallons | 16,500 | _____ | _____ | _____ | _____ | |
| 17,000 | - 18,000 Gallons | 17,500 | _____ | _____ | _____ | _____ | |
| 19,000 | - 20,000 Gallons | 19,500 | _____ | _____ | _____ | _____ | |
| _____ | - _____ Gallons | _____ | _____ | _____ | _____ | _____ | |
| _____ | - _____ Gallons | _____ | _____ | _____ | _____ | _____ | |
| _____ | - _____ Gallons | _____ | _____ | _____ | _____ | _____ | |
| | | | <i>Total</i> | () | () | () | () |
| | | | <i>Average Usage</i> | | () | | () |

XII. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD

SEE ATTACHED

| | | | | | | | | |
|---------------------------------------|----------------------------|----------|----------------|----------------|--------------------|-----------------|-----------------------------|-----------------|
| For Period _____ | | to _____ | | | | | | |
| <u>All Meter Sizes</u> | <u>Monthly Water Usage</u> | | | <u>Average</u> | <u>Residential</u> | | <u>Non- Residential</u> | |
| | | | | | No. of Users | Usage (1000) | No. of Users | Usage (1000) |
| | 0 | - | 2,000 Gallons | 1,000 | _____ | _____ | _____ | _____ |
| | 2,000 | - | 3,000 Gallons | 2,500 | _____ | _____ | _____ | _____ |
| | 3,000 | - | 4,000 Gallons | 3,500 | _____ | _____ | _____ | _____ |
| | 4,000 | - | 5,000 Gallons | 4,500 | _____ | _____ | _____ | _____ |
| | 5,000 | - | 6,000 Gallons | 5,500 | _____ | _____ | _____ | _____ |
| | 6,000 | - | 7,000 Gallons | 6,500 | _____ | _____ | _____ | _____ |
| | 7,000 | - | 8,000 Gallons | 7,500 | _____ | _____ | _____ | _____ |
| | 8,000 | - | 9,000 Gallons | 8,500 | _____ | _____ | _____ | _____ |
| | 9,000 | - | 10,000 Gallons | 9,500 | _____ | _____ | _____ | _____ |
| | 10,000 | - | 11,000 Gallons | 10,500 | _____ | _____ | _____ | _____ |
| | 11,000 | - | 12,000 Gallons | 11,500 | _____ | _____ | _____ | _____ |
| | 12,000 | - | 13,000 Gallons | 12,500 | _____ | _____ | _____ | _____ |
| | 13,000 | - | 14,000 Gallons | 13,500 | _____ | _____ | _____ | _____ |
| | 14,000 | - | 15,000 Gallons | 14,500 | _____ | _____ | _____ | _____ |
| | 15,000 | - | 16,000 Gallons | 15,500 | _____ | _____ | _____ | _____ |
| | 16,000 | - | 17,000 Gallons | 16,500 | _____ | _____ | _____ | _____ |
| | 17,000 | - | 18,000 Gallons | 17,500 | _____ | _____ | _____ | _____ |
| | 19,000 | - | 20,000 Gallons | 19,500 | _____ | _____ | _____ | _____ |
| | _____ | - | _____ Gallons | _____ | _____ | _____ | _____ | _____ |
| | _____ | - | _____ Gallons | _____ | _____ | _____ | _____ | _____ |
| | _____ | - | _____ Gallons | _____ | _____ | _____ | _____ | _____ |
| | | | | Total | () | () | () | () |
| | | | | Average Usage | | () | | () |
| Total Water Purchased and/or Produced | | | | | _____ | _____ | _____ | _____ |
| Total Water Sold | | | | | _____ | _____ | _____ | _____ |

POWELLS VALLEY WATER DISTRICT

Existing Billing Analysis

| | | | | Residential | | | Non-Residential / Commercial | | |
|------------------------------|---------|---------------|--------------|--------------|------------|--------------|------------------------------|--------------------|-----------------------|
| Monthly Water Usage | | Average Usage | Average Rate | No. of Bills | Usage | Income | No. of Bills | Usage | Income |
| 0 - | 2,000 | 1,000 | \$20.74 | 9469 | 9,469,000 | \$196,387.06 | 586 | 586,000 | 12,153.64 |
| 2,000 - | 3,000 | 2,500 | 25.22 | 5374 | 13,435,000 | 135,532.28 | 219 | 547,500 | 5,523.18 |
| 3,000 - | 4,000 | 3,500 | 34.18 | 4511 | 15,788,500 | 154,185.98 | 118 | 413,000 | 4,033.24 |
| 4,000 - | 5,000 | 4,500 | 42.69 | 2979 | 13,405,500 | 127,173.51 | 81 | 364,500 | 3,457.89 |
| 5,000 - | 6,000 | 5,500 | 50.75 | 1760 | 9,680,000 | 89,320.00 | 49 | 269,500 | 2,486.75 |
| 6,000 - | 7,000 | 6,500 | 58.55 | 1077 | 7,000,500 | 63,052.97 | 27 | 175,500 | 1,580.72 |
| 7,000 - | 8,000 | 7,500 | 66.08 | 629 | 4,717,500 | 41,561.18 | 29 | 217,500 | 1,916.18 |
| 8,000 - | 9,000 | 8,500 | 73.61 | 376 | 3,196,000 | 27,675.48 | 20 | 170,000 | 1,472.10 |
| 9,000 - | 10,000 | 9,500 | 81.14 | 233 | 2,213,500 | 18,904.46 | 28 | 266,000 | 2,271.78 |
| 10,000 - | 11,000 | 10,500 | 88.67 | 138 | 1,449,000 | 12,235.77 | 20 | 210,000 | 1,773.30 |
| 11,000 - | 12,000 | 11,500 | 96.20 | 78 | 897,000 | 7,503.21 | 15 | 172,500 | 1,442.93 |
| 12,000 - | 13,000 | 12,500 | 103.73 | 59 | 737,500 | 6,119.78 | 5 | 62,500 | 518.63 |
| 13,000 - | 14,000 | 13,500 | 111.26 | 56 | 756,000 | 6,230.28 | 12 | 162,000 | 1,335.06 |
| 14,000 - | 15,000 | 14,500 | 118.79 | 36 | 522,000 | 4,276.26 | 7 | 101,500 | 831.50 |
| 15,000 - | 16,000 | 15,500 | 126.32 | 32 | 496,000 | 4,042.08 | 10 | 155,000 | 1,263.15 |
| 16,000 - | 17,000 | 16,500 | 133.85 | 19 | 313,500 | 2,543.06 | 4 | 66,000 | 535.38 |
| 17,000 - | 18,000 | 17,500 | 141.38 | 14 | 245,000 | 1,979.25 | 7 | 122,500 | 989.63 |
| 18,000 - | 19,000 | 18,500 | 148.91 | 14 | 259,000 | 2,084.67 | 4 | 74,000 | 595.62 |
| 19,000 - | 20,000 | 19,500 | 156.44 | 14 | 273,000 | 2,190.09 | 7 | 136,500 | 1,095.05 |
| 20,000 - | 25,000 | 22,500 | 179.03 | 32 | 720,000 | 5,728.80 | 14 | 315,000 | 2,506.35 |
| 25,000 - | 30,000 | 27,500 | 216.68 | 25 | 687,500 | 5,416.88 | 9 | 247,500 | 1,950.08 |
| 30,000 - | 35,000 | 32,500 | 254.33 | 12 | 390,000 | 3,051.90 | 11 | 357,500 | 2,797.58 |
| 35,000 - | 40,000 | 37,500 | 291.98 | 3 | 112,500 | 875.93 | 15 | 562,500 | 4,379.63 |
| 40,000 - | 45,000 | 42,500 | 329.63 | 1 | 42,500 | 329.63 | 10 | 425,000 | 3,296.25 |
| 45,000 - | 50,000 | 47,500 | 367.28 | 2 | 95,000 | 734.55 | 5 | 237,500 | 1,836.38 |
| 50,000 - | 60,000 | 55,000 | 423.75 | 39 | 2,145,000 | 16,526.25 | 10 | 550,000 | 4,237.50 |
| 60,000 - | 70,000 | 65,000 | 499.05 | 1 | 65,000 | 499.05 | 3 | 195,000 | 1,497.15 |
| 70,000 - | 80,000 | 75,000 | 574.35 | | 0 | 0.00 | 0 | 0 | 0.00 |
| 80,000 - | 90,000 | 85,000 | 649.65 | 1 | 85,000 | 649.65 | 5 | 425,000 | 3,248.25 |
| 90,000 - | 100,000 | 95,000 | 724.95 | | 0 | 0.00 | 1 | 95,000 | 724.95 |
| | | | | | | | | 0 | 0.00 |
| Sub-total | | | | 26,984 | 89,196,000 | \$936,809.97 | 1,331 | 7,682,000 | \$71,750 |
| LARGE USERS > 100,000 G | | | | | | | | | |
| 1 | | 412,520 | \$3,115.88 | 4 | 1,650,080 | \$12,463.50 | 0 | 0 | \$0.00 |
| 2 | | 197,400 | 1,496.02 | 0 | 0 | 0.00 | 61 | 12,041,400 | 91,257.34 |
| 3 | | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| 4 | | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| 5 | | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 |
| Sub-total | | 0 | | 4 | 1,650,080 | \$12,463.50 | 61 | 12,041,400 | \$91,257.34 |
| TOTAL FOR ALL USERS | | | | 26,988 | 90,846,080 | \$949,273.47 | 1392 | 19,723,400 | \$163,007.14 |
| PSC Report Figures | | | | 26988 | 89,113,000 | \$949,989 | 1392 | 20,182,000 | \$162,285 |
| Grand Total All Users | | | | | | | 28380 | 110,569,480 | \$1,112,280.61 |

XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM

- A. Sewage Treatment:** **NO CHANGES PROPOSED**
1. Type _____
2. Method of Sludge Disposal _____

3. Cost per 1,000 gallons if sewage treatment is contracted:
\$ NA _____
- B. Treatment Capacity of Sewage Treatment Plant** _____
- C. Type of Sewage Collector System (Describe)** _____

- D. Number and Capacity of Sewage Lift Stations** _____

- E. Sewage Collection System:**
- Lineal Feet of Collector Lines, by size 6" _____ 8" _____
10" _____ 12" _____, Larger _____

XIV. LAND AND RIGHTS - PROPOSED SEWER SYSTEM

| | |
|--|--------------------|
| <i>Number of Treatment Plant Sites</i> | <u>1</u> |
| <i>Number of Pump Sites</i> | <u>0</u> |
| <i>Number of Other Sites</i> | <u>0</u> |
| <i>Total Acreage</i> | _____ <i>Acres</i> |
| <i>Purchase Price</i> | \$ _____ |

Not Applicable – No Water System Changes Proposed

XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract if applicable.

B. Water Storage:

Type: Ground Storage Tank _____ 0 _____ Elevated Tank _____ 0 _____
Standpipe _____ 0 _____ Other _____ 0 _____
Number of Storage Structures _____ 0 _____
Total Storage Volume Capacity _____ 0 _____

C. Water Distribution System:

Pipe Material _____ PVC _____

Miles of Pipe: 3" Diameter _____ 0.8 _____ 4" _____
6" _____ 0.5 _____ 8" _____
10" _____ 12" _____

Number and Capacity of Pump Station(s) _____

XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM

| | | | |
|-----------------------------------|-------|---|-------------|
| Number of Treatment Plant Sites | _____ | 0 | _____ |
| Number of Pump Sites | _____ | 0 | _____ |
| Number of Other Sites (easements) | _____ | 0 | _____ |
| Total Acreage | _____ | 0 | _____ Acres |
| Purchase Price | \$ | 0 | _____ |

XVII. NUMBER OF NEW SEWER USERS *N/A - No Sewer Users Proposed*

| | |
|--|---|
| <i>Residential (In Town)*</i> | 0 |
| <i>Residential (Out of Town)*</i> | 0 |
| <i>Non-Residential (In Town)</i> | 0 |
| <i>Non-Residential (Out of Town)</i> | 0 |
| <i>Total</i> | 0 |
| <i>Number to Total Potential Users in the Service Area</i> | |

**Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.*

XVIII. PROPOSED SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

| <u>Meter Size</u> | <u>Connection Fee</u> |
|--------------------|------------------------------------|
| <u>5/8" x 3/4"</u> | \$ _____ <i>No New Connections</i> |
| <u>1 Inch</u> | \$ _____ |
| <u>1½ Inch</u> | \$ _____ |
| <u>2 Inch</u> | \$ _____ |
| <u>3 Inch</u> | \$ _____ |
| <u>4 Inch</u> | \$ _____ |
| <u>5 Inch</u> | \$ _____ |
| <u>6 Inch</u> | \$ _____ |

XIX. NUMBER OF NEW WATER USERS

| | |
|---|----------|
| Residential (In Town)* | <u>0</u> |
| Residential (Out of Town)* | <u>2</u> |
| Non-Residential (In Town) | <u>0</u> |
| Non-Residential (Out of Town) | <u>0</u> |
| Total | <u>0</u> |
| Number to Total Potential Users in the Service Area | <u>0</u> |

*Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.

XX. PROPOSED WATER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

| <u>Meter Size</u> | <u>Connection Fee</u> |
|--------------------|---|
| <u>5/8" x 3/4"</u> | \$ <u> </u> No change in connection fees is proposed |
| <u>1 Inch</u> | \$ <u> </u> |
| <u>1½ Inch</u> | \$ <u> </u> |
| <u>2 Inch</u> | \$ <u> </u> |
| <u>3 Inch</u> | \$ <u> </u> |
| <u>4 Inch</u> | \$ <u> </u> |
| <u>5 Inch</u> | \$ <u> </u> |
| <u>6 Inch</u> | \$ <u> </u> |

XXI. SEWER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant: Not Applicable - No Sewer Project
 Percentage of Water Bill _____% Minimum Charge \$ _____
 Other: (If Charge Not Based on Water Bill) _____

Proposed Rate Schedule: (Without RUS Grant) Out of Town

| | | | | | |
|----------|-------------|---------|---|-----------------|--------------------|
| First | <u>2000</u> | Gallons | @ | \$ <u>25.12</u> | Minimum |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| All Over | <u>2000</u> | Gallons | @ | \$ <u>12.56</u> | per 1,000 Gallons. |

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. Recommended Rate Schedule with RUS Grant: See Attached Rates
 Percentage of Water Bill _____% Minimum Charge \$ 25.12
 Other: (If Charge Not Based on Water Bill) _____

Recommended Rate Schedule: (With RUS Grant)

| | | | | | |
|----------|-------|---------|---|-----------------|--------------------|
| First | _____ | Gallons | @ | \$ <u>25.12</u> | Minimum |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | _____ | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| All Over | _____ | Gallons | @ | \$ <u>12.56</u> | per 1,000 Gallons. |

If more than one rate, use additional sheets.

XXII. WATER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant:

| | | | | | |
|-----------|-------------|---------|---|-----------------|--------------------|
| First | <u>2000</u> | Gallons | @ | \$ <u>21.11</u> | Minimum. |
| Next | <u>2000</u> | Gallons | @ | \$ <u>9.12</u> | per 1,000 Gallons. |
| Next | <u>2000</u> | Gallons | @ | \$ <u>8.20</u> | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ _____ | per 1,000 Gallons. |
| All Over | <u>6000</u> | Gallons | @ | \$ <u>7.66</u> | per 1,000 Gallons. |
| Wholesale | | | | \$ _____ | per 1,000 Gallons. |

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. Recommended Rate Schedule with RUS Grant:

| | | | | | |
|----------|-------------|---------|---|-----------------|--------------------|
| First | <u>2000</u> | Gallons | @ | \$ <u>20.74</u> | Minimum. |
| Next | <u>2000</u> | Gallons | @ | \$ <u>8.96</u> | per 1,000 Gallons. |
| Next | <u>2000</u> | Gallons | @ | \$ <u>8.06</u> | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ <u>0</u> | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ <u>0</u> | per 1,000 Gallons. |
| Next | <u>0</u> | Gallons | @ | \$ <u>0</u> | per 1,000 Gallons. |
| All Over | <u>6000</u> | Gallons | @ | \$ <u>7.53</u> | per 1,000 Gallons. |
| | | | | \$ _____ | per 1,000 Gallons. |

If more than one rate, use additional sheets.

See Proposed Rate Schedules attached

No Sewer Usage Changes

XXIII. FORECAST OF SEWER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS

| <u>Meter Size*</u> | <u>Monthly Sewer Usage</u> | <u>Average</u> | <u>Rate</u> | <u>Residential</u> | | <u>Non-Residential</u> | | | |
|--------------------|------------------------------|----------------|-------------|-----------------------|---------------------|------------------------|---------------------|---------------------|---------------|
| | | | | <u>No. of Users**</u> | <u>Usage (1000)</u> | <u>Income</u> | <u>No. of Users</u> | <u>Usage (1000)</u> | <u>Income</u> |
| | 0 - 2,000 Gallons | 1,000 | _____ | _____ | _____ | _____ | _____ | | |
| | 2,000 - 3,000 Gallons | 2,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 3,000 - 4,000 Gallons | 3,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 4,000 - 5,000 Gallons | 4,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 5,000 - 6,000 Gallons | 5,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 6,000 - 7,000 Gallons | 6,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 7,000 - 8,000 Gallons | 7,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 8,000 - 9,000 Gallons | 8,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 9,000 - 10,000 Gallons | 9,500 | _____ | _____ | _____ | _____ | _____ | | |
| 5/8 x | 10,000 - 11,000 Gallons | 10,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 11,000 - 12,000 Gallons | 11,500 | _____ | _____ | _____ | _____ | _____ | | |
| 3/4 Inch | 12,000 - 13,000 Gallons | 12,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 13,000 - 14,000 Gallons | 13,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 14,000 - 15,000 Gallons | 14,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 15,000 - 16,000 Gallons | 15,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 16,000 - 17,000 Gallons | 16,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 17,000 - 18,000 Gallons | 17,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 18,000 - 19,000 Gallons | 18,500 | _____ | _____ | _____ | _____ | _____ | | |
| | 19,000 - 20,000 Gallons | 19,500 | _____ | _____ | _____ | _____ | _____ | | |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | | |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | | |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | | |
| | Sub-Total | | | (____) | (____) | (____) | (____) | (____) | (____) |
| | Average Monthly Rate | | | (____) | | | | | |
| | Average Monthly Usage | | | | (____) | | (____) | | |

• Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

| | | | | | | | | | | |
|---------------|---|------------------|--|--|-----|-----|-----|-----|-----|-----|
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| 1 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|----------------|---|------------------|--|--|-----|-----|-----|-----|-----|-----|
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| 1½ Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|---------------|---|------------------|--|--|-----|-----|-----|-----|-----|-----|
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| 2 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|---------------|---|------------------|--|--|-----|-----|-----|-----|-----|-----|
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| 3 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|---------------|---|------------------|--|--|-----|-----|-----|-----|-----|-----|
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| 4 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | | Sub-Total | | | () | () | () | () | () | () |

• Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of “meter settings”.

| | | | | | | | | | |
|--------|---|-----------|--|-----|-----|-----|-----|-----|-----|
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| 5 Inch | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | | Sub-Total | | () | () | () | () | () | () |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| 6 Inch | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | | Sub-Total | | () | () | () | () | () | () |
| | | TOTALS | | () | () | () | () | () | () |

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

| <u>Name of Unit</u> | <u>Number of Units</u> | <u>Number of Meters</u> | <u>Revenue Calculations</u> |
|---------------------|------------------------|-------------------------|-----------------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.
 - ** Number of users should reflect the actual number of “meter settings”.
- See Attached*

XXIV. FORECAST OF SEWER USAGE - INCOME - NEW USERS - EXTENSION ONLY

| <i>Meter Size*</i> | <i>Monthly Sewer Usage</i> | <i>Average</i> | <i>Rate</i> | <i>Residential</i> | | | <i>Non-Residential</i> | | |
|-----------------------------------|--------------------------------|----------------|-------------|-----------------------|---------------------|---------------|------------------------|---------------------|---------------|
| | | | | <i>No. of Users**</i> | <i>Usage (1000)</i> | <i>Income</i> | <i>No. of Users</i> | <i>Usage (1000)</i> | <i>Income</i> |
| <i>5/8 x 3/4 Inch</i> | <i>0 - 2,000 Gallons</i> | <i>1,000</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>2,000 - 3,000 Gallons</i> | <i>2,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>3,000 - 4,000 Gallons</i> | <i>3,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>4,000 - 5,000 Gallons</i> | <i>4,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>5,000 - 6,000 Gallons</i> | <i>5,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>6,000 - 7,000 Gallons</i> | <i>6,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>7,000 - 8,000 Gallons</i> | <i>7,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>8,000 - 9,000 Gallons</i> | <i>8,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>9,000 - 10,000 Gallons</i> | <i>9,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>10,000 - 11,000 Gallons</i> | <i>10,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>11,000 - 12,000 Gallons</i> | <i>11,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>12,000 - 13,000 Gallons</i> | <i>12,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>13,000 - 14,000 Gallons</i> | <i>13,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>14,000 - 15,000 Gallons</i> | <i>14,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>15,000 - 16,000 Gallons</i> | <i>15,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>16,000 - 17,000 Gallons</i> | <i>16,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>17,000 - 18,000 Gallons</i> | <i>17,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>18,000 - 19,000 Gallons</i> | <i>18,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | <i>19,000 - 20,000 Gallons</i> | <i>19,500</i> | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | |
| _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | |
| | <i>Sub-Total</i> | | | () | () | () | () | () | () |
| | <i>Average Monthly Rate</i> | | () | | | | | | |
| | <i>Average Monthly Usage</i> | | | () | | () | | | |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.
- ** Number of users should reflect the actual number of "meter settings".

| | | | | | | | | | | |
|--------|---|-----------|--|--|-----|-----|-----|-----|-----|-----|
| 1 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|---------|---|-----------|--|--|-----|-----|-----|-----|-----|-----|
| 1½ Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-----------|--|--|-----|-----|-----|-----|-----|-----|
| 2 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-----------|--|--|-----|-----|-----|-----|-----|-----|
| 3 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Sub-Total | | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-----------|--|--|-----|-----|-----|-----|-----|-----|
| 4 Inch | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Gallons | | | | | | | | |
| | - | Sub-Total | | | () | () | () | () | () | () |

• Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

| | | | | | | | | | |
|--------|---|-----------|--|-----|-----|-----|-----|-----|-----|
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| 5 Inch | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | | Sub-Total | | () | () | () | () | () | () |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| 6 Inch | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | - | Gallons | | | | | | | |
| | | Sub-Total | | () | () | () | () | () | () |
| | | TOTALS | | () | () | () | () | () | () |

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

| <u>Name of Unit</u> | <u>Number of Units</u> | <u>Number of Meters</u> | <u>Revenue Calculations</u> |
|---------------------|------------------------|-------------------------|-----------------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.
- ** Number of users should reflect the actual number of "meter settings".

See Attached

XXV. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS

| Meter Size* | Monthly Sewer Usage | Average | Rate | Residential | | | Non-Residential | | |
|-------------------------|-------------------------|-----------------------|-------|----------------|--------------|--------|-----------------|--------------|--------|
| | | | | No. of Users** | Usage (1000) | Income | No. of Users | Usage (1000) | Income |
| | 0 - 2,000 Gallons | 1,000 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 2,000 - 3,000 Gallons | 2,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 3,000 - 4,000 Gallons | 3,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 4,000 - 5,000 Gallons | 4,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 5,000 - 6,000 Gallons | 5,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 6,000 - 7,000 Gallons | 6,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 7,000 - 8,000 Gallons | 7,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 8,000 - 9,000 Gallons | 8,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 9,000 - 10,000 Gallons | 9,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 5/8 x 3/4 Inch | 10,000 - 11,000 Gallons | 10,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 11,000 - 12,000 Gallons | 11,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 12,000 - 13,000 Gallons | 12,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 13,000 - 14,000 Gallons | 13,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 14,000 - 15,000 Gallons | 14,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 15,000 - 16,000 Gallons | 15,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 16,000 - 17,000 Gallons | 16,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 17,000 - 18,000 Gallons | 17,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 18,000 - 19,000 Gallons | 18,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 19,000 - 20,000 Gallons | 19,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | Sub-Total | | () | () | () | () | () | () |
| | | Average Monthly Rate | () | | | | | | |
| | | Average Monthly Usage | | () | | | () | | |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.
- ** Number of users should reflect the actual number of “meter settings”.

POWELLS VALLEY WATER DISTRICT

Existing Billing Analysis

| Monthly Water Usage | | Residential | | | Non-Residential / Commercial | | | | |
|------------------------------|---------|---------------|--------------|--------------|------------------------------|--------------|--------------------|-----------------------|--------|
| | | Average Usage | Average Rate | No. of Bills | Usage | Income | No. of Bills | Usage | Income |
| 0 - 2,000 | 1,000 | \$20.74 | 9469 | 9,469,000 | \$196,387.06 | 586 | 586,000 | 12,153.64 | |
| 2,000 - 3,000 | 2,500 | 25.22 | 5374 | 13,435,000 | 135,532.28 | 219 | 547,500 | 5,523.18 | |
| 3,000 - 4,000 | 3,500 | 34.18 | 4511 | 15,788,500 | 154,185.98 | 118 | 413,000 | 4,033.24 | |
| 4,000 - 5,000 | 4,500 | 42.69 | 2979 | 13,405,500 | 127,173.51 | 81 | 364,500 | 3,457.89 | |
| 5,000 - 6,000 | 5,500 | 50.75 | 1760 | 9,680,000 | 89,320.00 | 49 | 269,500 | 2,486.75 | |
| 6,000 - 7,000 | 6,500 | 58.55 | 1077 | 7,000,500 | 63,052.97 | 27 | 175,500 | 1,580.72 | |
| 7,000 - 8,000 | 7,500 | 66.08 | 629 | 4,717,500 | 41,561.18 | 29 | 217,500 | 1,916.18 | |
| 8,000 - 9,000 | 8,500 | 73.61 | 376 | 3,196,000 | 27,675.48 | 20 | 170,000 | 1,472.10 | |
| 9,000 - 10,000 | 9,500 | 81.14 | 233 | 2,213,500 | 18,904.46 | 28 | 266,000 | 2,271.78 | |
| 10,000 - 11,000 | 10,500 | 88.67 | 138 | 1,449,000 | 12,235.77 | 20 | 210,000 | 1,773.30 | |
| 11,000 - 12,000 | 11,500 | 96.20 | 78 | 897,000 | 7,503.21 | 15 | 172,500 | 1,442.93 | |
| 12,000 - 13,000 | 12,500 | 103.73 | 59 | 737,500 | 6,119.78 | 5 | 62,500 | 518.63 | |
| 13,000 - 14,000 | 13,500 | 111.26 | 56 | 756,000 | 6,230.28 | 12 | 162,000 | 1,335.06 | |
| 14,000 - 15,000 | 14,500 | 118.79 | 36 | 522,000 | 4,276.26 | 7 | 101,500 | 831.50 | |
| 15,000 - 16,000 | 15,500 | 126.32 | 32 | 496,000 | 4,042.08 | 10 | 155,000 | 1,263.15 | |
| 16,000 - 17,000 | 16,500 | 133.85 | 19 | 313,500 | 2,543.06 | 4 | 66,000 | 535.38 | |
| 17,000 - 18,000 | 17,500 | 141.38 | 14 | 245,000 | 1,979.25 | 7 | 122,500 | 989.63 | |
| 18,000 - 19,000 | 18,500 | 148.91 | 14 | 259,000 | 2,084.67 | 4 | 74,000 | 595.62 | |
| 19,000 - 20,000 | 19,500 | 156.44 | 14 | 273,000 | 2,190.09 | 7 | 136,500 | 1,095.05 | |
| 20,000 - 25,000 | 22,500 | 179.03 | 32 | 720,000 | 5,728.80 | 14 | 315,000 | 2,506.35 | |
| 25,000 - 30,000 | 27,500 | 216.68 | 25 | 687,500 | 5,416.88 | 9 | 247,500 | 1,950.08 | |
| 30,000 - 35,000 | 32,500 | 254.33 | 12 | 390,000 | 3,051.90 | 11 | 357,500 | 2,797.58 | |
| 35,000 - 40,000 | 37,500 | 291.98 | 3 | 112,500 | 875.93 | 15 | 562,500 | 4,379.63 | |
| 40,000 - 45,000 | 42,500 | 329.63 | 1 | 42,500 | 329.63 | 10 | 425,000 | 3,296.25 | |
| 45,000 - 50,000 | 47,500 | 367.28 | 2 | 95,000 | 734.55 | 5 | 237,500 | 1,836.38 | |
| 50,000 - 60,000 | 55,000 | 423.75 | 39 | 2,145,000 | 16,526.25 | 10 | 550,000 | 4,237.50 | |
| 60,000 - 70,000 | 65,000 | 499.05 | 1 | 65,000 | 499.05 | 3 | 195,000 | 1,497.15 | |
| 70,000 - 80,000 | 75,000 | 574.35 | | 0 | 0.00 | 0 | 0 | 0.00 | |
| 80,000 - 90,000 | 85,000 | 649.65 | 1 | 85,000 | 649.65 | 5 | 425,000 | 3,248.25 | |
| 90,000 - 100,000 | 95,000 | 724.95 | | 0 | 0.00 | 1 | 95,000 | 724.95 | |
| | | | | | | | 0 | 0.00 | |
| Sub-total | | | 26,984 | 89,196,000 | \$936,809.97 | 1,331 | 7,682,000 | \$71,750 | |
| LARGE USERS > 100,000 G | | | | | | | | | |
| 1 | 412,520 | \$3,115.88 | 4 | 1,650,080 | \$12,463.50 | 0 | 0 | \$0.00 | |
| 2 | 197,400 | 1,496.02 | 0 | 0 | 0.00 | 61 | 12,041,400 | 91,257.34 | |
| 3 | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | |
| 4 | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | |
| 5 | | 20.74 | 0 | 0 | 0.00 | 0 | 0 | 0.00 | |
| Sub-total | 0 | | 4 | 1,650,080 | \$12,463.50 | 61 | 12,041,400 | \$91,257.34 | |
| TOTAL FOR ALL USERS | | | 26,988 | 90,846,080 | \$949,273.47 | 1392 | 19,723,400 | \$163,007.14 | |
| PSC Report Figures | | | 26988 | 89,113,000 | \$949,989 | 1392 | 20,182,000 | \$162,285 | |
| Grand Total All Users | | | | | | 28380 | 110,569,480 | \$1,112,280.61 | |

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 1 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|------------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 1 1/2 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 2 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 3 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 4 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Sub-Total | | () | () | () | () | () | () |

• Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of “meter settings”.

| | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------------------------|-------|-------|-------|
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| 5 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Sub-Total | _____ | _____ | () () () () () () | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| 6 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Sub-Total | _____ | _____ | () () () () () () | _____ | _____ | _____ |
| | - | _____ | TOTALS | _____ | _____ | () () () () () () | _____ | _____ | _____ |

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

| <u>Name of Unit</u> | <u>Number of Units</u> | <u>Number of Meters</u> | <u>Revenue Calculations</u> |
|---------------------|------------------------|-------------------------|-----------------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.
- ** Number of users should reflect the actual number of “meter settings”.

See Attached

XXVI. FORECAST OF WATER USAGE - INCOME - NEW USERS - EXTENSION ONLY

| Meter Size* | Monthly Sewer Usage | Average | Average | | Residential | | | Non-Residential | | |
|-------------------------|-------------------------|---------|---------|----------------|--------------|--------|--------------|-----------------|--------|-------|
| | | | Rate | No. of Users** | Usage (1000) | Income | No. of Users | Usage (1000) | Income | |
| | 0 - 2,000 Gallons | 1,000 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 2,000 - 3,000 Gallons | 2,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 3,000 - 4,000 Gallons | 3,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 4,000 - 5,000 Gallons | 4,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 5,000 - 6,000 Gallons | 5,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 6,000 - 7,000 Gallons | 6,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 7,000 - 8,000 Gallons | 7,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 8,000 - 9,000 Gallons | 8,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 9,000 - 10,000 Gallons | 9,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 5/8 x 3/4 Inch | 10,000 - 11,000 Gallons | 10,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 11,000 - 12,000 Gallons | 11,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 12,000 - 13,000 Gallons | 12,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 13,000 - 14,000 Gallons | 13,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 14,000 - 15,000 Gallons | 14,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 15,000 - 16,000 Gallons | 15,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 16,000 - 17,000 Gallons | 16,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 17,000 - 18,000 Gallons | 17,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 18,000 - 19,000 Gallons | 18,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | 19,000 - 20,000 Gallons | 19,500 | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ - _____ Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | Sub-Total | | | () | () | () | () | () | () | () |
| | Average Monthly Rate | | () | | | | | | | |
| | Average Monthly Usage | | | () | | () | | | | |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 1 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|---------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 1½ Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 2 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 3 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | | Sub-Total | | () | () | () | () | () | () |

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| 4 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | | Sub-Total | | () | () | () | () | () | () |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of “meter settings”.

| | | | | | | | | | | |
|--------|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 5 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | | Sub-Total | | () | () | () | () | () | () |
| | | | | | | | | | | |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| 6 Inch | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | - | _____ | Gallons | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | | | Sub-Total | | () | () | () | () | () | () |
| | | | TOTALS | | () | () | () | () | () | () |

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

| <u>Name of Unit</u> | <u>Number of Units</u> | <u>Number of Meters</u> | <u>Revenue Calculations</u> |
|---------------------|------------------------|-------------------------|-----------------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

- Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.
- ** Number of users should reflect the actual number of “meter settings”.

See Attached

XXVII. CURRENT OPERATING BUDGET - (SEWER SYSTEM)

(As of the last full operating year.)

A. Operating Income:

| | |
|---------------------------------------|-----------|
| <i>Sewer Revenue</i> | \$ _____ |
| <i>Late Charge Fees</i> | _____ |
| <i>Other (Describe)</i> | _____ |
| <i>Less Allowances and Deductions</i> | (_____) |
| <i>Total Operating Income</i> | \$ _____ |

B. Operation and Maintenance Expenses:

(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)

| | |
|---|----------|
| <i>Operation Expense</i> | \$ _____ |
| <i>Maintenance Expense</i> | _____ |
| <i>Customer Accounts Expense</i> | _____ |
| <i>Administrative and General Expense</i> | _____ |
| <i>Total Operating and Maintenance Expenses</i> | \$ _____ |
| <i>Net Operating Income</i> | \$ _____ |

C. Non-Operating Income:

| | |
|-----------------------------------|----------|
| <i>Interest on Deposits</i> | \$ _____ |
| <i>Other (Identify)</i> | _____ |
| <i>Total Non-Operating Income</i> | \$ _____ |

D. Net Income \$ _____

E. Debt Repayment:

| | |
|-----------------------------|----------|
| <i>RUS Interest</i> | \$ _____ |
| <i>RUS Principal</i> | _____ |
| <i>Non-RUS Interest</i> | _____ |
| <i>Non-RUS Principal</i> | _____ |
| <i>Total Debt Repayment</i> | \$ _____ |

F. Balance Available for Coverage \$ _____

**XXVIII. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - EXISTING SYSTEM AND NEW
 USERS (1st Full Year of Operation) Year Ending _____**

A. Operating Income:

| | |
|---------------------------------------|-------------|
| <i>Sewer Revenue</i> | \$ <u>0</u> |
| <i>Late Charge Fees</i> | _____ |
| <i>Other (Describe)</i> | _____ |
| <i>Less Allowances and Deductions</i> | (_____) |
| <i>Total Operating Income</i> | \$ _____ |

B. Operation and Maintenance Expenses:

(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)

| | |
|---|----------|
| <i>Operation Expense</i> | \$ _____ |
| <i>Maintenance Expense</i> | _____ |
| <i>Customer Accounts Expense</i> | _____ |
| <i>Administrative and General Expense</i> | _____ |
| <i>Total Operating and Maintenance Expenses</i> | \$ _____ |
| <i>Net Operating Income</i> | \$ _____ |

C. Non-Operating Income:

| | |
|-----------------------------------|----------|
| <i>Interest on Deposits</i> | \$ _____ |
| <i>Other (Identify)</i> | _____ |
| <i>Total Non-Operating Income</i> | \$ _____ |

D. Net Income \$ _____

E. Debt Repayment:

| | |
|-----------------------------|----------|
| <i>RUS Interest</i> | \$ _____ |
| <i>RUS Principal</i> | _____ |
| <i>Non-RUS Interest</i> | _____ |
| <i>Non-RUS Principal</i> | _____ |
| <i>Total Debt Repayment</i> | \$ _____ |

F. Balance Available for Coverage \$ _____

XXIX. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - NEW USERS - EXTENSION ONLY (1st Full Year of Operation) Year Ending _____

| | |
|---|---------------------|
| A. Operating Income: | <i>No New Users</i> |
| Sewer Revenue | \$ _____ |
| Late Charge Fees | _____ |
| Other (Describe) | _____ |
| Less Allowances and Deductions | (_____) |
| Total Operating Income | \$ _____ |
| | |
| B. Operation and Maintenance Expenses: | |
| <i>(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)</i> | |
| Operation Expense | \$ _____ |
| Maintenance Expense | _____ |
| Customer Accounts Expense | _____ |
| Administrative and General Expense | _____ |
| Total Operating and Maintenance Expenses | \$ _____ |
| Net Operating Income | \$ _____ |
| | |
| C. Non-Operating Income: | |
| Interest on Deposits | \$ _____ |
| Other (Identify) | _____ |
| Total Non-Operating Income | \$ _____ |
| | |
| D. Net Income | \$ _____ |
| | |
| E. Debt Repayment: | |
| RUS Interest | \$ _____ |
| RUS Principal | _____ |
| Non-RUS Interest | _____ |
| Non-RUS Principal | _____ |
| Total Debt Repayment | \$ _____ |
| | |
| F. Balance Available for Coverage | \$ _____ |

XXX. CURRENT OPERATING BUDGET - (WATER SYSTEM) **SEE ATTACHED**
 (As of the last full operating year.)

| | |
|--|-----------|
| A. Operating Income: | |
| Sewer Revenue | \$ _____ |
| Disconnect/Reconnect/Late Charge Fees | _____ |
| Other (Describe) | _____ |
| Less Allowances and Deductions | (_____) |
| Total Operating Income | \$ _____ |
| B. Operation and Maintenance Expenses: | |
| (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners) | |
| Source of Supply Expense | \$ _____ |
| Pumping Expense | _____ |
| Water Treatment Expense | _____ |
| Transmission and Distribution Expense | _____ |
| Customer Accounts Expense | _____ |
| Administrative and General Expense | _____ |
| Total Operating Expenses | \$ _____ |
| Net Operating Income | \$ _____ |
| C. Non-Operating Income: | |
| Interest on Deposits | \$ _____ |
| Other (Identify) | _____ |
| Total Non-Operating Income | \$ _____ |
| D. Net Income | \$ _____ |
| E. Debt Repayment: | |
| RUS Interest | \$ _____ |
| RUS Principal | _____ |
| Non-RUS Interest | _____ |
| Non-RUS Principal | _____ |
| Total Debt Repayment | \$ _____ |
| F. Balance Available for Coverage | \$ _____ |

TABLE 2
FmHA Summary / Addendum Tables XVI, XVII & XVIII - Pages 31, 32 & 33

| Project Operating Budget | 2010 | | Difference |
|---|----------------------|-------------------------|-------------------|
| | Current Operation | Existing & New Users | Extension Only |
| A. Operating Income: | | | |
| Water Sales | \$1,112,274 | \$1,112,274 | 0 |
| Disconnect/Reconnect/Late Charge Fees | 40,553 | 40,553 | 0 |
| Other (Describe) | | 0 | 0 |
| Less Allowances & Deductions | 0 | 0 | 0 |
| Total Operatng Income | \$1,152,827 | \$1,152,827 | 0 |
| B. Operation and Maintnenace Expenses: | | | |
| Salaries, Wages & Benefits | 346,908 | 346,908 | 0 |
| Utilities | 415,079 | 415,079 | 0 |
| Materials & Supplies | 102,817 | 102,817 | 0 |
| Contractural Services | 2,180 | 2,180 | 0 |
| Equipment Expense | 914 | 914 | 0 |
| Other Expenses | 120,244 | 120,244 | 0 |
| Administrative | 10,800 | 10,800 | 0 |
| Total Operating Expenses | \$998,942 | \$998,942 | \$0 |
| Net Operating Income | \$153,885 | \$153,885 | 0 |
| C. Non-Operating Income: | | | |
| Interest on Deposits | 4,984 | 4,984 | 0 |
| Other (Identify) | 31,752 | 31,752 | 0 |
| Total Non-Operating Income | 36,736 | 36,736 | 0 |
| D. Net Income | \$190,621 | \$190,621 | 0 |
| E. Debt Repayment: | | | |
| FmHA Interest | 80,911 | 88,651 | 9,886 |
| FmHA Principal | 52,500 | 46,437 | 7,437 |
| Non-FmHA Interest | 0 | 0 | 0 |
| Non-FmHA Principal | 0 | 0 | 0 |
| Total Debt Repayment | \$133,411 | \$135,088 | \$17,323 |
| F. Balance available for Coverage and Depreciation | \$57,210 | \$55,533 | (1,676) |
| H. Replacement Reserves and Coverage | | | |
| Coverage on Existing Debt | 0.1 13,341 | 11,777 | (1,565) |
| Coverage on New Debt | | 1,732 | 1,732 |
| Short Lived Assets Reserve | 0 | 0 | 0 |
| Total Replacement Reserves and Coverage | \$13,341 | \$13,509 | \$167 |
| G. Balance after Reserves | \$43,869 | \$42,025 | (\$1,844) |

XXXI. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - EXISTING SYSTEM AND NEW USERS (1st Full Year of Operation) Year Ending _____

SEE ATTACHED

| | |
|--|-----------|
| A. Operating Income: | |
| Sewer Revenue | \$ _____ |
| Disconnect/Reconnect/Late Charge Fees | _____ |
| Other (Describe) | _____ |
| Less Allowances and Deductions | (_____) |
| Total Operating Income | \$ _____ |
| B. Operation and Maintenance Expenses: | |
| (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners) | |
| Source of Supply Expense | \$ _____ |
| Pumping Expense | _____ |
| Water Treatment Expense | _____ |
| Transmission and Distribution Expense | _____ |
| Customer Accounts Expense | _____ |
| Administrative and General Expense | _____ |
| Total Operating Expenses | \$ _____ |
| Net Operating Income | \$ _____ |
| C. Non-Operating Income: | |
| Interest on Deposits | \$ _____ |
| Other (Identify) | _____ |
| Total Non-Operating Income | \$ _____ |
| D. Net Income | \$ _____ |
| E. Debt Repayment: | |
| RUS Interest | \$ _____ |
| RUS Principal | _____ |
| Non-RUS Interest | _____ |
| Non-RUS Principal | _____ |
| Total Debt Repayment | \$ _____ |
| F. Balance Available for Coverage | \$ _____ |

XXXII. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - NEW USERS - EXTENSION

ONLY (1st Full Year of Operation)

Year Ending _____

SEE ATTACHED

| | |
|--|-----------|
| A. Operating Income: | |
| Sewer Revenue | \$ _____ |
| Disconnect/Reconnect/Late Charge Fees | _____ |
| Other (Describe) | _____ |
| Less Allowances and Deductions | (_____) |
| Total Operating Income | \$ _____ |
| B. Operation and Maintenance Expenses: | |
| (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners) | |
| Source of Supply Expense | \$ _____ |
| Pumping Expense | _____ |
| Water Treatment Expense | _____ |
| Transmission and Distribution Expense | _____ |
| Customer Accounts Expense | _____ |
| Administrative and General Expense | _____ |
| Total Operating Expenses | \$ _____ |
| Net Operating Income | \$ _____ |
| C. Non-Operating Income: | |
| Interest on Deposits | \$ _____ |
| Other (Identify) | _____ |
| Total Non-Operating Income | \$ _____ |
| D. Net Income | \$ _____ |
| E. Debt Repayment: | |
| RUS Interest | \$ _____ |
| RUS Principal | _____ |
| Non-RUS Interest | _____ |
| Non-RUS Principal | _____ |
| Total Debt Repayment | \$ _____ |
| F. Balance Available for Coverage | \$ _____ |

XXXIII. ESTIMATED PROJECT COST - SEWER
(Round to nearest \$100)

Not Applicable

| | <u>Collection</u> | <u>Treatment</u> | <u>Total</u> |
|--|-------------------|------------------|--------------|
| <i>Development</i> | _____ | _____ | _____ |
| <i>Land and Rights</i> | _____ | _____ | _____ |
| <i>Legal</i> | _____ | _____ | _____ |
| <i>Engineering</i> | _____ | _____ | _____ |
| <i>Interest</i> | _____ | _____ | _____ |
| <i>Contingencies</i> | _____ | _____ | _____ |
| <i>Initial Operating and Maintenance</i> | _____ | _____ | _____ |
| <i>Other</i> | _____ | _____ | _____ |
| TOTAL | _____ | _____ | _____ |

XXXIV. PROPOSED PROJECT FUNDING - SEWER

| | <u>Collection</u> | <u>Treatment</u> | <u>Total</u> |
|---|-------------------|------------------|--------------|
| <i>Applicant - User Contribution Fees</i> | _____ | _____ | _____ |
| <i>Other - Applicant Contribution</i> | _____ | _____ | _____ |
| <i>RUS Loan</i> | _____ | _____ | _____ |
| <i>RUS Grant</i> | _____ | _____ | _____ |
| <i>ARC Grant (If applicable)</i> | _____ | _____ | _____ |
| <i>CDBG (If applicable)</i> | _____ | _____ | _____ |
| <i>Other (Specify) KIA</i> | _____ | _____ | _____ |
| <i>Other (Specify) 2020</i> | _____ | _____ | _____ |

XXXV. ESTIMATED PROJECT COST - WATER

| | |
|-----------------------------------|-------------------|
| Development | \$ <u>646,000</u> |
| Land and Rights | <u>0</u> |
| Legal | <u>8,900</u> |
| Engineering | <u>129,780</u> |
| Equipment | <u>0</u> |
| Contingencies | <u>64,600</u> |
| Initial Operating and Maintenance | <u>0</u> |
| Other | <u>14,920</u> |
| TOTAL | \$ <u>864,200</u> |

XXXVI. PROPOSED PROJECT FUNDING

| | |
|----------------------------------|-------------------|
| Applicant - User Connection Fees | \$ <u>0</u> |
| Other Applicant Contribution | <u>0</u> |
| RUS Loan | <u>439,356</u> |
| RUS Grant | <u>424,844</u> |
| ARC Grant (If applicable) | <u>0</u> |
| CDBG (If applicable) | <u>0</u> |
| Other (Specify) | <u>0</u> |
| Other (Specify) | <u>0</u> |
| TOTAL | \$ <u>864,200</u> |

HEALTH AND SANITARY LETTER
FOR DOW CONCURRENCE

January 23, 2012

Elwood Howe
USDA / Rural Development
220 W 1st St ,
Morehead, KY 40351

624 Wellington Way
Lexington,
Kentucky 40503
859-223-5694
FAX 859-223-2607
mseinc@mselex.com

RE: Powells Valley Water District
2011 Water Line Project
MSE Project No. 95XX

The Powells Valley Water District is requesting funds for the above referenced project. We understand that in order to be eligible for low interest loan money and since the family income levels are below the required level, the Department for Natural Resources and Environmental Protection must confirm that the proposed facilities will eliminate a health or sanitary issue.

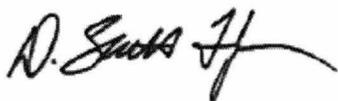
The proposed project will construct new mains to replace old glue joint PVC pipe for reduced water loss, system breaks and supply outages with boil water alerts and notices. The line requires excessive repairs which in turn require the district to isolate the break by valving off the area. During the repairs, the customers in the area inside the valved off zone are without service and due to the branch type distribution system with few loops, many repairs cut off service beyond the point of the repair. The District must issue a boil water advisory and service during the recovery does not meet state regulations for water supply due to low pressure (<30 psi) and the District delivering water with no water quality testing results in hand.

Some of the existing pump stations are undersized to create adequate filling rates to allow for enough non-pumping times for tank usage and proper turnover. The lack of tank cycling allows the water to age and loose its chlorine residual and allow for the creation of haas and Thms. New regulations on water quality testing and monitoring will require the improvements to meet.

The tanks in the system were constructed with single fill lines and float on the system hydraulics due to the increased system demands and longer pump times. The tanks do not cycle well and the little movement in the tank levels is compounded by the lack of facilities to force the water through the tank. Tank fill and empty lines and tank mixers will be added to improve water quality and help meet the new regulations.

If you have any questions regarding this request or any facet of the project, please contact us.

Sincerely,
MSE of Kentucky, Inc.



D. Scott Taylor, P.E.
Project Engineer