

Figure No. 2



BLACK & VEATCH
C o r p o r a t i o n

8400 Ward Parkway, P.O. Box 8405, Kansas City, Missouri 64114, (913) 458-2000

B&V Project 136101

DESIGN MEMO SUBMITTAL

LAWRENCE, KANSAS

**CLINTON WTP
PHASE II EXPANSION**

**OPINION OF
PROBABLE CONSTRUCTION COST
January 31, 2006**

SUMMARY

Capacity Items

General Requirements		\$920,000
Sitework		1,650,000
Presedimentation Basin		1,300,000
Primary Basin		920,000
Secondary Basin		1,340,000
Sludge Control Building		470,000
Basin Drainage Modifications		20,000
Chemical Feed		550,000
Chlorine Disinfection		850,000
Filter Gallery Piping and Valves		100,000
High Service Pump Station No. 1 Improvements		50,000
High Service Pump Station No. 2		730,000
HVAC		180,000
Plumbing		70,000
Instrumentation		560,000
Electrical		1,390,000

Contingencies	5%	560,000
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Reliability Items

Existing Basin Drive Replacement	300,000
Convert WH-1 & 2 to 480 Volt	159,000
Add Central Service Pump to HSPS w/ yard piping	760,000
480 Volt Conversion	830,000

TOTAL PROBABLE CONSTRUCTION COST	\$13,710,000
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ENGINEERING (Final Design and CPS)	1,750,000
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TOTAL PROBABLE PROJECT COST	\$15,460,000
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