RESOLUTION 05-035

RESOLUTION OF THE CITY OF KETCHUM CITY COUNCIL ACCEPTING CHANGE ORDER #2 FOR THE WASTEWATER TREATMENT PLANT ENHANCEMENT PROJECT IN THE AMOUNT OF $40,200, AND AUTHORIZING THE MAYOR TO EXECUTE THE CHANGE ORDER

WHEREAS, the Utilities Department is managing the construction of a major enhancement to the Wastewater Treatment Plant that was approved by the voters of both the City of Ketchum and the Sun Valley Water and Sewer District, and

WHEREAS, projects of this size and scope frequently experience change orders that reflect unanticipated items or unforeseen site conditions, and

WHEREAS, the proposed change order has been reviewed by Brad Bjerke, city's consulting engineer; Steve Hansen, Utility Manager; Jack Brown, SVWSD Manager, and Ron LeBlanc, City Administrator, who concur and recommend approval,

NOW THEREFORE BE IT RESOLVED, that the Ketchum City Council accepts change order #2 for the Wastewater Treatment Plant Enhancement Project in the amount of $40,200 and that the Mayor is authorized to execute the change order.

This Resolution will be in full force and effect upon its adoption this second (2nd) day of May, 2005.

Edward Simon, Mayor

Attest:

Sandra Cady, CMC
City Treasurer/Clerk

CITY OF KETCHUM SEAL BLAINE COUNTY IDAHO

City of Ketchum
Utilities Department

MEMORANDUM

To: Ron LeBlanc, City Administrator
Jack Brown, SVWSD Manager

From: Steve Hansen SH

Re: Change Order #2 for WWTP Project

Date: April 26, 2005

I have attached Change Order #2 for the amount of $40,116.12 for your review. This change order represents 19 different changes and modifications that have occurred since Change Order #1 was approved back in January. We have reviewed all of the items and costs together with our engineers and feel that all are justified. Some of the changes are owner initiated, while others reflect added costs in dealing with obstacles that were not foreseen during pre-construction engineering. Mike Herrera and I have worked the final costs for each item down to what we believe are fair amounts.

Total project increase for all change orders now equals $85,686.46, and adds approximately 4.5% to the original contract amount of $1.919 million. This will bring the total current project cost up to $2,004,686.46. The original engineering estimate for this phase of construction was $2.12 million. Change orders totaling 3-6% were expected for a project of this scope before construction began, however; we are still $115,000.00 under the original engineering estimate.

The project is now approximately 97% complete and we are not anticipating any other significant change orders. Mike Herrera and I continue to be pleased with the quality of work provided by Spindler Construction. We have been very careful in the consideration and approval all change orders to date, but we both agree that the end result will increase efficiencies and be more beneficial to customers served by the City of Ketchum and the Sun Valley Water and Sewer District.

I will provide original documents for signatures as soon as they are delivered.

Please let me know if you have any questions. I would be happy to forward details of each of the line items if you wish.

PHARMER ENGINEERING LLC

www.pharmereng.com
671 East River Park Lane, Suite 140
Boise, ID 83706
Phone: 208-433-1900
Fax: 208-433-1901

April 21, 2005

Steve Hansen
Utilities Manager
110 Ranch Road
P.O. Box 2315
Ketchum, ID 83340

Re: Wastewater Project – UV Disinfection & Electrical
Change Order No. 2

Dear Steve,

Please find attached Change Order No. 2 for wastewater treatment improvements project - UV Disinfection, Electrical and I&C. The nineteen items on Change Order No. 2 have a total cost of **$40,116.12**. The revised contract price is $2,004,686.46 (includes both Change Order No. 1 and No. 2). The total project change is about 4.5% of the original contract price, $1,919,000. With the complexity of work on this project, we are very pleased with the low amount of changes.

The project is approximately 97% complete and we foresee few additional changes. Of the few remaining changes, the cost should be less than ½ of one percent (< $9,500).

In addition to the cost changes, the substantial completion time has been increased by 60 days. The new substantial completion date is May 11, 2005. Final completion remains unchanged at June 15, 2005.

Sincerely,

Brad

Bradley S. Bjerke, P.E.
Project Engineer

Cc: Sun Valley Water & Sewer District

CHANGE ORDER NO. 002

CHANGE ORDER DATE OF ISSUANCE	April 20, 2005	COMMENCEMENT OF CONTRACT TIME	June 16, 2004

OWNER City of Ketchum and Sun Valley Water & Sewer District

CONTRACTOR Spindler Construction Company – Logan, Utah

PROJECT Ketchum / Sun Valley UV Disinfection, Electrical / I&C

ENGINEER Pharmer Engineering, LLC

YOU ARE DIRECTED TO MAKE THE FOLLOWING CHANGES IN THE CONTRACT DOCUMENTS:

DESCRIPTION:

1. PROVIDE MANIFOLD CHANGES FOR PUMP STATION VALVE VAULT.
2. MISCELLANEOUS UNDERGROUND: RE-LOCATION OF SLUDGE LINE, INSTALLATION OF DRAIN MH (IN FRONT LOAD-OUT BUIDING),
3. CHANGE PUMP GUIDE RAILS FROM STEEL TO STAINLESS STEEL.
4. PROVIDE CANOPY TO CLOSE EAST AND WEST SIDES TO ADMIN AND UV BUILDINGS.
5. RE-LOCATE VAULT SOULTH OF UV WALKWAY.
6. PROVIDE SST BOLTS FOR OWNER FURNISHED EQUIPMENT (WEDECO UV).
7. PROVIDE MILLTRONICS HYDRORANGER FOR DISCRETE FLUME FLOW SIGNAL TO SCADA AND UV.
8. PROVIDE FUEL SYSTEM ALARM BELL AND WIRE ADDITIONAL LOUVER MOTORS.
9. CHANGE MODULE SLOT 3 WIRING TO 120-VAC.
10. CHANGE GAS DETECTION MONITOR TO COMMUNICATE WITH EXISTING SYSTEM.
11. PROVIDE MOUNTING FRAME FOR UV FEED PUMP VFD IN LIEU OF WALL MOUNTING.
12. PROVIDE WIRING AND TERMINATIONS FOR UV EQUIPMENT.
13. PROVIDE PHONE LINE FOR PLC COMMUNICATIONS.
14. PROVIDE POWER SUPPLIES FOR MOTION SENSORS.
15. PROVIDE 120-V CONTROL TRANSFORMERS FOR PUMP MOISTURE SENSORS.
16. PROVIDE CONDUIT FOR FUEL LEAK DETECTION LINE.
17. PROVIDE WIRING FOR UV BUILDING HEATERS AND EXHAUST FAN.
18. PROVIDE PHONE LINE FROM GARAGE TO GENERATOR ROOM.
19. PROVIDE EMERGENCY STOP STATIONS FOR RAS PUMPS.
20. ADD 60 DAYS CONTRACT TIME FOR SUBSTANTIAL COMPLETION.

REASON FOR CHANGE ORDER:

1. PUMP STATION ACCESS HATCHES WERE MOVED APART TO ALLOW SUFFICIENT REINFORCEMENT STEEL FOR STRUCTURAL INTEGRITY. THE PIPE MANIFOLD WAS CONSTRUCTED PRIOR TO THE HATCH LOCATION CHANGES AND THEREFORE REQUIRED RE-FABRICATION.
2. UNDERGROUND UTILITIES REQUIRED ADJUSTMENTS THAT COULD NOT BE ANTICIPATED DURING THE BIDDING PERIOD. THE DRAIN LINE MANHOLE WAS ADDED TO COLLECT NUMEROUS LINES FROM PREVIOUS CONSTRUCTION AND CURRENT CONSTRUCTION.
3. CORROSION RESISTENT STAINLESS STEEL GUIDE RAILS AN IMPROVED DESIGN OVER CARBON STEEL.
4. CANOPY DRAWING SHOWED LENGTH OF 40 FEET. THE ACTUAL LENGTH ABOUT 47 FEET.
5. VAULT COULD NOT BE LOCATED AS ORIGINALLY SITED DUE TO INTERFERENCES. FIELD ADJUSMENTS TO THE VAULT REQUIRED.
6. ANCHORING HARDWARE NOT PROVIDED WITH OWNER FURNISHED EQUIPMENT.
7. SPECIFIED FLUME LEVEL SENSOR DID NOT INDEPENDENTLY PROVIDE FLOW SIGNAL TO UV SYSTEM. SYSTEM MORE RELIABLE AS INDEPENDENT DEVICE.

8. WIRING NOT SHOWN FOR FUEL SYSTEM BELL. DRAWINGS FOR LOUVER WIRING SHOW ONE (1) MOTOR, LOUVERS ACTUALLY HAVE FOUR (4) MOTORS.
9. WIRING VOLTAGE CHANGE REQUIRED.
10. DETECTION MONITOR SUPPLIED COULD NOT COMMUNICATE WITH SCADA.
11. WALL MOUNTING NOT POSSIBLE ON SPECIAL ACOUSTICAL BLOCK WALL.
12. CONTRACT DRAWINGS DID NOT SHOW THE EXTENT OF WIRING REQUIRED FOR OWNER FURNISHED EQUIPMENT.
13. PHONE WIRING FOR PLC NOT SHOWN IN THE CONTRACT DRAWINGS.
14. VOLTAGE FOR MOTION SENSORS (10V) NOT AVAILABLE FROM PLC (24V). NEW POWER SOURCE REQUIRED.
15. WIRING FOR MOISTURE SENSORS NOT SHOWN IN THE CONTRACT DOCUMENTS.
16. CONDUIT RUN FOR FUEL SYSTEM LEAK DETECTION WIRING NOT SHOWN IN THE CONTRACT DOCUMENTS.
17. WIRING NOT SHOWN IN THE CONTRACT DRAWINGS FOR UV BLDG ELECTRICAL ROOM.
18. PHONE WIRING NOT SHOWN IN THE CONTRACT DRAWINGS.
19. CONDUIT AND WIRE ADDED PER OWNER REQUEST FOR INCREASED OPERATOR SAFETY.
20. CONTRACT TIME WAS ADDED DUE TO: EXTRA TIME ALLOWED FOR ELECTRICAL / I&C WORK COMPLETION (BEHIND SCHEDULE) AND DELAYS RELATED TO PUMP STATION NOT BEING OPERATIONAL (ELECTRICALLY AND CONTROLS) UNTIL MARCH 23. (THE PUMP STATION WAS NEEDED FOR UV SYSTEM CHECKOUT / STARTUP WHICH COULD NOT BE COMPLETED AS SCHEDULED. UV STARTUP COMPLETION RE-SCHEDULED FOR WEEK OF ~ APR 25TH). OTHER TIME FACTOR RELATED TO DELIVERY AND INSTALLATION OF NEW FLUME. GC NOT REQUIRED TO BE ON-SITE DURING FLUME DELIVERY PERIOD.

ATTACHMENTS:

CONTRACTOR BACKUP FOR EACH CHANGE

CONTRACT PRICE AND TIME

COST SUMMARY

Description	Cost ($)	Time (days)
1. Manifold Re-fabrication	$1,761.90	
2. Underground Changes	$10,966.76	
3. SST Guide Rails	$2,126.58	
4. Canopy Adjustments	$5,042.90	
5. Electrical Vault Adjustments	$1,223.03	
6. SST Bolts for OFE	$236.44	
7. Flume Transmitter Change	$3,375.06	
8. Fuel Alarm Bell and Louver Re-wire	$807.25	
9. Slot 3 Re-wire	$727.76	
10. Gas Detection Device Model Change	$694.85	
11. VFD Mounting Frames	$488.27	
12. Wedeco UV System Wiring	$6,679.05	
13. PLC Phone Line	$842.11	
14. Power Supply for Motion Sensors	$816.87	
15. Pump Moisture Sensors	$1,993.00	
16. Conduit for Fuel Tank Leak Detection	$906.37	
17. Heater and Ventilation Fan Wiring	$473.40	
18. Phone Line	$429.90	
19. Emergency RAS Stops	$524.62	
20. Contract Time Change for Substantial Completion	-	60
TOTAL	$40,116.12	

CHANGE IN CONTRACT PRICE
Original Contract Price:
$ 1,919,000.00
Net increase (decrease) from previous Change Orders:
$ 45,570.34
Net increase (decrease) of this Change Order:
$ 40,116.12
Revised Contract Price:
$ 2,004,686.46

CHANGE IN CONTRACT TIMES
Original Phase II Contract Times: *(days or dates)*
Substantial Completion: Dec 12, 2004 (180 days)
Ready for Final Payment: Feb.10, 2005 (240 days)
Net increase (decrease) from previous Change Orders: *(days)*
Substantial Completion: 90 days
Ready for Final Payment: 125 days
Net increase (decrease) of this Change Order: *(days)*
Substantial Completion: 60 days
Ready for Final Payment: 0 days
Revised Contract Times: *(days or dates)*
Substantial Completion: May 11, 2005 (330 days)
Ready for Final Payment: June 15, 2005(365 days)

CONTRACTOR agrees that this Change Order includes any and all costs associated with or resulting from the change ordered herein, including all impacts, delays, and accelerated costs. Other than the dollar amount and time allowance listed above, there shall be no other dollar or time compensation as a result of this Change Order.

THIS DOCUMENT SHALL BECOME AN AMENDMENT TO THE CONTRACT AND ALL STIPULATIONS AND COVENANTS OF THE CONTRACT SHALL APPLY HERETO.

RECOMMENDED: Engineer (Pharmer)

By: _____ *(signature)*

Bradley S. Bjerke, P.E.
(printed name)

Pharmer Engineering, LLC
(title)

Date: April 20, 2005

APPROVED: Owner (Ketchum)

By: _____ *(signature)*

_____ (printed name)

_____ *(title)*

Date: _____

APPROVED: Owner (SVWSD)

By: _____ *(signature)*

_____ (printed name)

_____ *(title)*

Date: _____

ACCEPTED: Contractor (Spindler)

By: _____ *(signature)*

_____ (printed name)

_____ *(title)*

Date: _____

END OF CHANGE ORDER NO. 002