



**State of West Virginia
Department of Administration
Purchasing Division**

NOTICE

Due to the size of this bid, it was impractical to scan every page for online viewing. We have made an attempt to scan and publish all pertinent bid information. However, it is important to note that some pages were necessarily omitted.

If you would like to review the bid in its entirety, please contact the buyer. Thank you.



Stantec

Stantec Consulting Services Inc.
1 Moore Avenue
Buckhannon, WV 26201
Tel: (888) 830-1272
Fax: (304) 472-6239

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ABANDONED DIVISION
STATE OF WV

July 1, 2008

West Virginia Department of Environmental Protection
Office of Abandoned Mine Lands
601 57th Street, SE – Box 20
Charleston, West Virginia 25304-2345

Attention: Mr. Nick Estes, P.E., Design Administrator

Dear Mr. Estes:

Reference: Summit Park Waterline Replacement Design Services

Please find enclosed an Expression of Interest (EOI) for Stantec Consulting Services Inc. to perform engineering services for the Summit Park Waterline Replacement West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands (WVAML) Reclamation Project. Stantec Consulting Services Inc. (Stantec) is an 8,700 member engineering company with two offices in West Virginia located in Charleston and Buckhannon. Please review the enclosed completed "AML Consultant Confidential Qualification Questionnaire", "AML and Related Project Experience Matrix", and Purchasing Affidavit for Stantec to perform engineering services for the Summit Park Waterline Replacement Design Services project.

Stantec (formerly R.D. Zande and Associates, Inc.) successfully completed the Summit Park PSD Waterline Extension Feasibility Study, I.D. Number 288 in November 2005. Therefore, we are very familiar with the existing Summit Park PSD Waterline Distribution System, the project area, the problems arising from abandoned mine lands within the project area, and with Summit Park PSD officials and their complaints. In areas where the PSD is uncertain of line locations, we can accurately and easily determine and survey line alignments and depths to avoid design conflicts and unplanned water disruptions through non-destructive underground surveys of the distribution system's underground infrastructure. In addition, we have performed public and private record research and have experience and knowledge of the local geology, hydrology, and pre-law and post-law mining in the project area.

Stantec has EOI-specific experience completing numerous waterline replacements and extensions for PSD's in the five-state region of West Virginia, Ohio, Pennsylvania, Virginia, and Kentucky. Stantec is also very familiar with "WVAML" requirements for construction plans, specifications, and project reporting, invoicing, and required meetings having successfully completed projects for the WVAML Program; for the West Virginia Department of Environmental Protection, Office of Special Reclamation; for the Ohio Department of Natural Resources (ODNR) AML Program; and for the West Virginia Conservation Agency. In addition, Stantec has employee project-specific experience completing other Projects for the WVAML Program. Our AML Project experience includes surveying and mapping; subsurface investigations; slope stability analyses, design, and stabilization; groundwater and surface water testing, analyses, and reporting; refuse and overburden neutralization calculations and design; wet mine seals design, modified wet mine seals with bat gates design, and vertical shaft mitigation design; mass balanced earthwork quantities; structure demolition and removal plans; site drainage design including hydrologic and hydraulic studies for bridges, natural stream designs; channels, ditches, pipes and box culverts; civil site design; sediment control; and revegetation plans as well as construction plans and specifications. Approximately half of these projects involved passive acid mine drainage treatment designs ranging from simple limestone beds to complex interactive systems that boost AMD pH to precipitate metals, settle and filter dissolved metals, and polish effluent water with alkalinity prior

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to release of near neutral waters from the Project area. In addition, Stantec designed the first active alkaline treatment system for the State of West Virginia (Special Reclamation), which is nearing completion with start-up operations currently underway.

Some Stantec and employee waterline replacement/extension EOI-specific experience includes:

	1.	Elkins Road Public Service District Water Distribution System Improvement Project-Phase II and III, Randolph County;		
\$5,000,000	Phase II:	Phase III:		Construction Plans and Specifications, Traffic Control; Cost Estimates, Project Mapping, Revegetation Plan, Project Reporting and Invoicing
Phase II	11 mis. PVC & Copper Service Lines;	15 mis. PVC & Copper Service Lines;		
Eng. Est.	225,000 Gallon Water Tank;	275,000 Gallon Water Tank;		
	220+ Customers;	5 Boosters and Pumps		
\$6,500,000	50 Fire Hydrants;	250+ Customers;		
Phase III	Road and Stream Crossings;	60 Fire Hydrants;		
Eng. Est.	Hydraulic Calculations	Road and Stream Crossings;		
		Hydraulic Calculations		
	2.	McKinley Avenue 36-Inch Water Main;		
\$8,600,000	138 L.Ft. 12" Pipe Removed;	180 L.Ft. 8-Inch Waterline;		Construction Plans and Specifications, Traffic Control; Cost Estimates, Project Mapping, Revegetation Plan, Project Reporting and Invoicing
Eng. Estimate	Concrete and Asphalt Public Road Repair;	138 L.Ft. 12-Inch Waterline;		
	Concrete and Asphalt Driveway Repairs;	3,367 L.Ft. 30-Inch Waterline;		
	Curb and Gutter Replacement;	20,931 L.Ft. 36-Inch Waterline;		
	Guardrail Replacement;	98 L.Ft. 54-Inch Casing Pipe		
	Hydraulic Calculations;			
	Revegetation Plan			

Some AML reclamation and related experience competed for the WVDEP includes:

	1.	WVDEP Emergency AML: Laurel Valley (Daniels) Landslide;		
\$284,000	13,000 C.Y. Earthwork	Surveying and Mapping		Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing
Eng. Estimate	182 L.Ft. "V" Ditches	200 L.Ft. Subs. Drain		
	696 L.Ft. Culverts	Debris Removal		
		Existing and Proposed Slope Stability Analysis		
		Sediment Control Plan		
		Revegetation 4.0 Acs.		
	2.	WVDEP: Weaver Portals and Mine Drainage, Phase I and Phase II;		
\$2,200,000	162,821 C.Y. Earthwork	14 Wet Mine Seals		Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing
Eng. Estimate	6,543 L.Ft. "V" Ditches	1,170 L.Ft. Subs. Drain		
	1,947 L.Ft. Flt Btm Ditches	Debris Removal		
	321 L.Ft. Culverts	De-watering Plan		
		Six Limestone Beds		
		w/Aluminators and Flush Ponds		

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At the request of WVDEP, Stantec can provide Quality Control/Quality Assurance and Construction Observation for the Summit Park Waterline Replacement Design Services Project. Some Project-Specific design and associated QA/QC experience includes:

\$3,100,000 Bid Estimate	1. WVDEP: Gladly Fork Mining D-35-82 Bond Forfeiture \$3.0M Active Alkaline Treatment Plant; Active Alkaline Treatment Plant - Single Train to Treat 1,000 GPM Construction Plans and Specifications Project Mapping Hydrologic Investigation	Concrete Aeration Basin Concrete Flocculator Concrete Settling Basin Concrete Sludge Thickener Concrete Geo-Tube Slab Bridge over Stonecoal Creek	Construction Inspection: Concrete testing and reporting, Compaction testing and reporting, Full Time Construction Observation and Reporting
\$284,000 Eng. Est.	2. WVCA: Fisher-Mill Creek Bank Stabilization; 148 L.Ft. Drilled Pile and Lag Wall, Ground Water and Surface Water Diversion	Construction Inspection: Concrete testing and reporting, Compaction testing and reporting, Full Time Construction Observation and Reporting	Construction Plans and Specifications, Project Mapping, Hydrologic Investigation Geotechnical Investigation Existing and Proposed Slope Stability

The above Projects demonstrate some of our Project-Specific and Project-Related experience and details a "one-stop shopping" solution for the Summit Park Waterline Replacement Design Services Project. Projects outlined in our attached AMLCCQQ provide more details on the above Projects as well as others completed by Stantec and our employees for the West Virginia Department of Environmental Protection AML and Special Reclamation Programs; the Ohio Department of Natural Resources AML Program; the West Virginia Conservation Agency; and others. Stantec also has employee experience with numerous Small Operators Assistance Program Applications for surface and deep mine applications in West Virginia and Maryland, as well as over 438 hydrologic investigations for Special Reclamation on bond forfeited sites, all involving hydrologic and geologic investigations and Probable Consequences of Mining in different geologic and hydrologic settings across the State.

Stantec can allot three (3) design teams to this project. Design Team leaders are: James Hollen, P.E., Gregory Linder, P.E., and Will Thornton, P.E. Each design team will have necessary support personnel CADD Operators, Staff Engineers, Survey Crews, and other support personnel to ensure the project is completed within WVDEP timeframes. In addition, Randy Calkins will serve as AML Corporate Manager to ensure the project achieves WVAML goals and is in compliance with WVAML standards.

We are very excited about the opportunity to continue our working relationship with the West Virginia Department of Environmental Protection and look forward to providing engineering services on this most important Project. We believe no other company can meet our quality of work, which, when coupled with our experience, allows us to be more efficient and therefore very cost competitive. Our Buckhannon office, located just 40 road miles from the project site will respond quickly, effectively, and in the most economical way. If chosen, our primary objective will be to address WVAML needs that can be complimented by other

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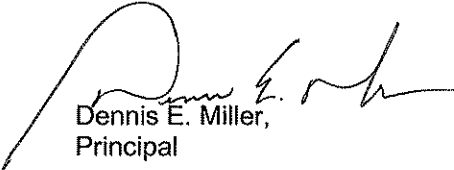
Reference: Summit Park Waterline Replacement Design Services

professionals in varying fields of expertise available on an "as needed" basis from our pool of over 8,700 professionals in Surveying and Mapping, Water and Waste Water Design, Civil and Site Engineering, Geotechnical Engineering, and Construction.

Should any questions arise, or if we can supply additional information or be of further service to you or the West Virginia Department of Environmental Protection, please contact me anytime at (304) 472-7140.

Respectfully Submitted,

STANTEC CONSULTING SERVICES INC. (Formerly R.D. Zande and Associates, Inc.)



Dennis E. Miller,
Principal

Tel: (304) 472-7140

Fax: (304) 472-6239

Dennis.Miller@Stantec.com

Attachment: Stantec EOI for the Summit Park Waterline Replacement Design Services Project