

Introduced by _____ Council Bill No. R 22-13

A RESOLUTION

authorizing an amendment to the cooperative agreement with Boone County Regional Sewer District relating to sewer construction in the Grindstone Creek Watershed, Upper North Fork, Hominy Branch Watershed and Little Cedar Creek Watershed.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Manager is hereby authorized to execute an amendment to the cooperative agreement with Boone County Regional Sewer District relating to sewer construction in the Grindstone Creek Watershed, Upper North Fork, Hominy Branch Watershed and Little Cedar Creek Watershed. The form and content of the agreement shall be substantially as set forth in "Attachment A" attached hereto and made a part hereof as fully as if set forth herein verbatim.

ADOPTED this _____ day of _____, 2013.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor

COPY

AMENDMENT TO AGREEMENT FOR THE GRINDSTONE CREEK WATERSHED – UPPER NORTH FORK; HOMINY BRANCH WATERSHED; LITTLE CEDAR CREEK WATERSHED COOPERATIVE AGREEMENT

On this _____ day of _____, 20_____, the City of Columbia, a municipal corporation ("City") and the Boone County Regional Sewer District, a common sewer district organized pursuant to Chapter 204 RSMo ("District") amend their agreement of January 20th, 2010 in connection with *the GRINDSTONE CREEK WATERSHED – UPPER NORTH FORK; HOMINY BRANCH WATERSHED; LITTLE CEDAR CREEK WATERSHED COOPERATIVE AGREEMENT*, as follows:

1. The following services are added to the above-referenced agreement for the cost indicated:

In accordance with the attached December 10, 2012 Bates Utility Company, Inc. (hereinafter "Bates Utility") proposal, a copy of which is attached hereto as Exhibit A and incorporated herein by reference, for the removal, demolition, salvage, and disposal of the existing sewage treatment plant components, including the steel tank, structures, and site closure for the Shaw Wastewater Treatment Plant per the attached specification Section 13331, a copy of which is attached hereto as Exhibit B and incorporated herein by reference, in the lump sum amount of \$30,000.00.

In accordance with the attached December 10, 2012 Bates Utility proposal, silt fence installation in the amount of \$4.00 per linear foot.

NOT-TO-EXCEED \$30,000.00 plus \$4.00 per linear foot for silt fence.

2. The total payments for the services to be provided by Bates Utility shall not exceed \$30,000.00 plus \$4.00 per linear for silt fence and shall be 100% reimbursed from the District to the City.
3. All other provisions of the January 20th, 2010 agreement shall remain in effect.

IN WITNESS WHEREOF, the parties have caused this amendment to be executed by their duly authorized agents on the day and year first above written.

CITY OF COLUMBIA, MISSOURI

Mike Matthes, City Manager

ATTESTED BY:

By _____
Sheela Amin, City Clerk

APPROVED AS TO FORM:

By _____
Fred Boeckmann, City Counselor

I hereby certify that this Agreement is within the purpose of the appropriation to which it is to be charged, that is account _____ and that there is an unencumbered balance to the credit of such account sufficient to pay therefore.

John Blattel, Director of Finance

BOONE COUNTY REGIONAL SEWER DIST

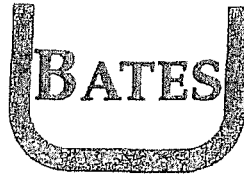
By: _____
Randy Chann, Chairman, Board of Trustees

ATTEST:

Debbie Schnedler, Secretary, Board of Trustees

APPROVED AS TO FORM:

John L. Whiteside, General Counsel



BATES UTILITY COMPANY, INC.

*Work In Progress
Facilities & Systems
Shaw Wastewater
Treatment Plant*

December 10, 2012

Exhibit A

BOONE COUNTY REGIONAL SEWER DISTRICT
1314 North 7th Street
Columbia, MO 65201

Attn: Mr. Tom Ratterman, General Manager

841
Westwood
Industrial
Park
Drive

RE: Closure of the Boone County Regional Sewer District (BCRSD), Shaw
Wastewater Treatment Facility, Missouri State Operating Permit #MO-0118672,
Boone County

Weldon
Spring

Dear Mr. Ratterman:

Missouri

Bates Utility proposal includes the removal, demolition, salvage, and disposal of
the existing sewage treatment plant components, including the steel tank,
structures, and site closure for the Shaw Wastewater Treatment Plant per Section
13331.

63304

Bid Amount \$30,000.00

(636) 939-5628

ADD – Silt Fence \$4.00 per lineal foot

Fax

(636) 939-5615

Conditions and/or Exclusions

- 1.) Items E. 2, 3, 4 and 5 to be removed by BCRSD (Bates will assist if necessary)
- 2.) All site fill and erosion control blanket to be completed with existing materials.

Respectfully submitted,

BATES UTILITY COMPANY, INC.

Tony Beseda
Tony Beseda, Project Manager

D 3 M
Facilities & Systems
Shaw Wastewater Treatment
Plant

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

5.110 BCRSD, Shaw Wastewater Treatment Facility
MO-0118672
Boone County

November 19, 2012

Exhibit B

Mr. Tom Ratterman, General Manager
Boone County Regional Sewer District
1314 North 7th Street
Columbia, MO 65201

RE: Closure of the Boone County Regional Sewer District (BCRSD), Shaw Wastewater Treatment Facility (WWTF), Missouri State Operating Permit (MSOP) #MO-0118672, Boone County

Dear Mr. Ratterman:

On October 24, 2012, the Missouri Department of Natural Resources (Department), Northeast Regional Office received a closure plan from Ms. Elke Boyd, P.E., from Schaffer, Kline, and Warren Inc., for the closure of the package treatment facility formerly serving the Shaw Subdivision, with MSOP #MO-0118672. The closure plan was reviewed in accordance with Missouri Clean Water Commission Regulation 10 CSR 20-6.010(12), "Closure of Treatment Facilities," and Standard Condition Part III of MSOP #MO-0118672. The Department approves the submitted closure plan with the following conditions:

- e The closure plan states that "The Contractor shall grade the site to drain and seed and straw." and "All disturbed areas of the site shall be seeded and strawed per specifications." Prior to termination of MSOP #MO-0118672, the site must be stabilized with a vegetative cover of at least 70% plant density over 100% of the disturbed area.
- e The facility must obtain a land disturbance permit prior to the start of the physical closure if it is determined the disturbed area will encompass an acre or more.

According to the closure plan wastewater and residual biosolids will be removed to the City of Columbia collection system and wastewater treatment facility. Any minor remaining residual solids and grit after this process will be mixed with bentonite clay and removed to a permitted landfill for disposal as solid waste. The submitted plan states that all remaining equipment will be removed from the site and reused in other BCRSD facilities or disposed of as solid waste.

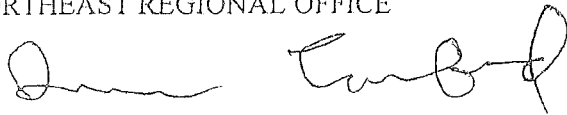
Shaw Wastewater Treatment Facility
November 19, 2012
Page 2

The facility may begin the physical closure process. Once the physical closure is complete and the site is stabilized and meets the condition that a vegetative cover of at least 70% plant density over 100% of the disturbed area is in place, please submit a completed Form J, for the termination of the MSOP, to the Department. Once the completed Form J is received an inspection will be conducted to verify the site has been closed in accordance with the approved plan.

If you have any questions, please contact Mr. Troy LaLond or me at (660) 385-8000 in the Northeast Regional Office, 1709 Prospect Drive, Macon, MO 63552.

Sincerely,

NORTHEAST REGIONAL OFFICE

Two handwritten signatures in black ink. The first signature is a cursive 'Irene Crawford' and the second is a cursive 'Troy LaLond'.

Irene Crawford
Regional Director

IC/tla

c: Ms. Elke Boyd, P.E., Schaffer, Kline, and Warren, Inc.



SHAFFER, KLINE & WARREN, INC.

0 5M

Facilities 3 Systems
Shaw Wastewater
Treatment Plant

October 22, 2012

Mr. Troy LaLond, Water Specialist III
Missouri Department of Natural Resources
Northeast Regional Office
1709 Prospect Drive
Macon MO, 63552

RE: Boone County Regional Sewer District, Shaw WWTP Closure

Dear Mr. LaLond:

Please find enclosed the closure plan for the Bonne County Regional Sewer District (BCRSD) Shaw WWTP, NPDES Permit number MO 0118672. This is a packaged activated sludge plant with a design flow of 50,000 gpd.

The closure is to be performed as an add-on to the City of Columbia/BCRSD joint North Grindstone Outfall Extension Sewer - Phase II project, currently under construction. The contractor is to perform all work described in the attached specification Section 13331.

Prior to the contractor commencing work under the attached section, the BCRSD will pump the water out of the plant into the newly installed operable North Grindstone Outfall Extension Sewer. BCRSD staff will then remove the sludge with a vacuum truck and truck the sludge to the City of Columbia wastewater system. The BCRSD will then add bagged bentonite to the grit, mix the grit and bentonite with a skid loader, remove the grit with a skid loader, and truck the grit to the landfill for final disposal.

Please let me know, if this satisfies the DNR requirements for plant closure plan submittals or if you need anything else before we commence closure of the plant. You may contact me at 573-234-2648 or eboyd@skw-inc.com, if you need any additional information.

Sincerely,
SHAFFER, KLINE & WARREN, INC.

Elke B. Boyd, P.E.
Project Manager

Enclosure

Cc: Mr. Tom Ratermann, BCRSD

SKW 120591-010

SECTION 13331

SEWAGE TREATMENT PLANT DECOMMISSIONING

PART I GENERAL

1.1 SUMMARY

- A. This section includes the requirements for removal, demolition, salvage, and disposal of existing sewage treatment plant components, including the steel tank, structures, electrical/control components, all appurtenances, and site closure for the Shaw Wastewater Treatment Plant (WWTP) owned by the Boone County Regional Sewer District (BCRSD).

1.2 MEASUREMENT AND PAYMENT

- A. This section is written under the following premises and the Contractor shall prepare the bid accordingly.
 - 1. BCRSD staff will dewater the plant, remove the sludge and grit and power wash the WWTP.
 - 2. The Contractor shall excavate and dispose of the plant, effluent weir, and obsolete appurtenances. Salvageable equipment shall be left on site for the BCRSD. The Contractor shall grade the site to drain and seed and straw. The Contractor shall also connect the newly constructed North Grindstone Outfall Extension Sewer to the site to the existing WWTP influent manhole.
 - 3. Payment for this Work will be lump sum. The lump sum price shall include all material, products and execution under this section.

1.3 DESCRIPTION OF EXISTING FACILITIES

- A. The WWTP tank is constructed of steel and measures about 100 feet long times 10 feet wide. The clarifier tank is an integral part of the tank and contains two hopper style clarifiers. The aeration basin has an aeration system mounted in the bottom of the tank. There are several feed and return lines mounted in and on top of the tank. Three blowers and the control panel are mounted on top of the tank. The entire tank is covered with galvanized steel grating, except that there are steel plates under the blowers.
- B. The tank will be emptied and power washed before the Contractor starts Work under this section.
- C. There is a concrete influent manhole located adjacent to the tank. The depth of the manhole is approximately 2.2 feet. One 12 inch diameter pipe enters and exits the manhole.
- D. There is a concrete effluent weir located between the plant and the receiving stream. The weir contains a weir plate and flow meter with associated electric panel and connection.

- E. The treatment tank and manhole are bedded in crushed rock. The plant, manhole and weir structure are surrounded by a small earthen berm for flood control. The berm is partially rocked for erosion control.
- F. The site is partially surrounded by a wood privacy fence with gate and partially by a woven wire fence.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

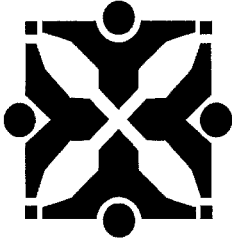
3.1 DEMOLITION

- A. The Contractor shall complete construction of the Phase II North Grindstone Outfall Extension Sewer, including Manhole B-15 and a 12 inch diameter SDR PVC 35 stub towards the exiting WWTP influent manhole. Work under this section shall only commence after this prior work has been accepted by the Engineer.
- B. After completion of Item 3.1.A, the Contractor shall coordinate with the BCRSD regarding the timing of temporary flow stoppage to facilitate connection of the existing Shaw WWTP influent manhole to the new Outfall Extension Sewer. Contractor shall then connect the new 12 inch diameter stub to the existing WWTP influent manhole and rebuild the manhole invert per plans and specifications.
- C. After completion and acceptance of Item 3.1.B, the Contractor shall coordinate with the BCRSD to contact Boone Electric Cooperative to disconnect electricity to the site.
- D. After completion of Item 3.1.C, the Contractor shall excavate and remove the steel tank, effluent weir and all remaining piping and fencing. The Contractor shall properly dispose of all material offsite that is not designated to remain onsite herein.
- E. The following items shall be salvaged and stored onsite for removal by the BCRSD. All items shall be removed and stored in a way that protects the integrity and functionality of the item and protects the item from the effects of weather and surface drainage and from theft and vandalism.
 - 1. Fence gates
 - 2. Blowers, motors, and associated controls and unistrut
 - 3. Autodialer
 - 4. Level sensor and associated controls and unistrut
 - 5. Grating

3.2 SITE WORK

- A. The contractor may dispose of the rock offsite or bury it at least two feet below the surface. No rock shall remain on the surface, with the exception of the gravel drive and along the streambank, as described herein. The gravel drive shall be left as is.
- B. Contractor shall backfill all excavations and level the berms per specifications and grade the site to drain, matching existing grades to the extent practical. Contractor shall restore original streambank contours near the current location of the outfall pipe without disturbing the adjacent streambank. Larger rock, salvaged from the flood control berms, shall be used to provide approximately a six (6) inch thick erosion control blanket on the newly graded streambank. The blanket shall extend from just above the ordinary high water mark to the top of bank.
- C. All disturbed areas of the site shall be seeded and strawed per specifications.

END OF SECTION



Source: Public Works *Gah*

Agenda Item No:

To: City Council
From: City Manager and Staff

MM

Council Meeting Date: Jan 22, 2013

Re: Amendment to the Grindstone Creek Watershed-Upper North Grindstone, Hominy Branch Watershed, and Little Cedar Creek Watershed Cooperative Agreement with the Boone County Regional Sewer District

EXECUTIVE SUMMARY:

Staff has prepared for Council consideration a resolution authorizing the City Manager to execute an amendment to the Grindstone Creek Watershed-Upper North Grindstone, Hominy Branch Watershed, and Little Cedar Creek Watershed Cooperative Agreement with the Boone County Regional Sewer District (BCRSD).

The amendment would add the removal and disposal of the BCRSD's Shaw Wastewater Treatment Plant to the scope of the North Grindstone Outfall Phase II sewer construction project. The plant removal is estimated to cost \$30,000.00, and erosion control of \$4.00 per foot (not to exceed \$1,600) for sediment fencing. The BCRSD would reimburse the City for all costs associated with the plant removal.

DISCUSSION:

In December 2009, the City and the Boone County Regional Sewer District (BCRSD) entered into the Grindstone Creek Watershed-Upper North Grindstone, Hominy Branch Watershed, and Little Cedar Creek Watershed Cooperative Agreement. This agreement addressed financial participation for construction of the North Grindstone Outfall Phase II sewer, and set forth customer service areas for the City and the BCRSD for the Grindstone Watershed, north of Interstate 70. The construction of the North Grindstone Outfall Phase II sewer is nearly complete. The installation of this sewer allows the BCRSD to eliminate the Shaw Wastewater Treatment Plant. The actual work to remove and dispose of the plant was not included in the original scope of the project, and the BCRSD would like to proceed with removal and disposal of this treatment facility at this time. This amendment will allow the removal to be included as part of the project by change order. The removal is estimated to cost \$30,000.00, and erosion control of \$4.00 per foot (not to exceed \$1,600). The amendment provides for the BCRSD to reimburse the City for all the additional costs.

FISCAL IMPACT:

The total cost is estimated at \$31,600.00 and will be paid from the North Grindstone Phase II capital improvement project. BCRSD will reimburse the City for all costs associated with this amendment.

VISION IMPACT:

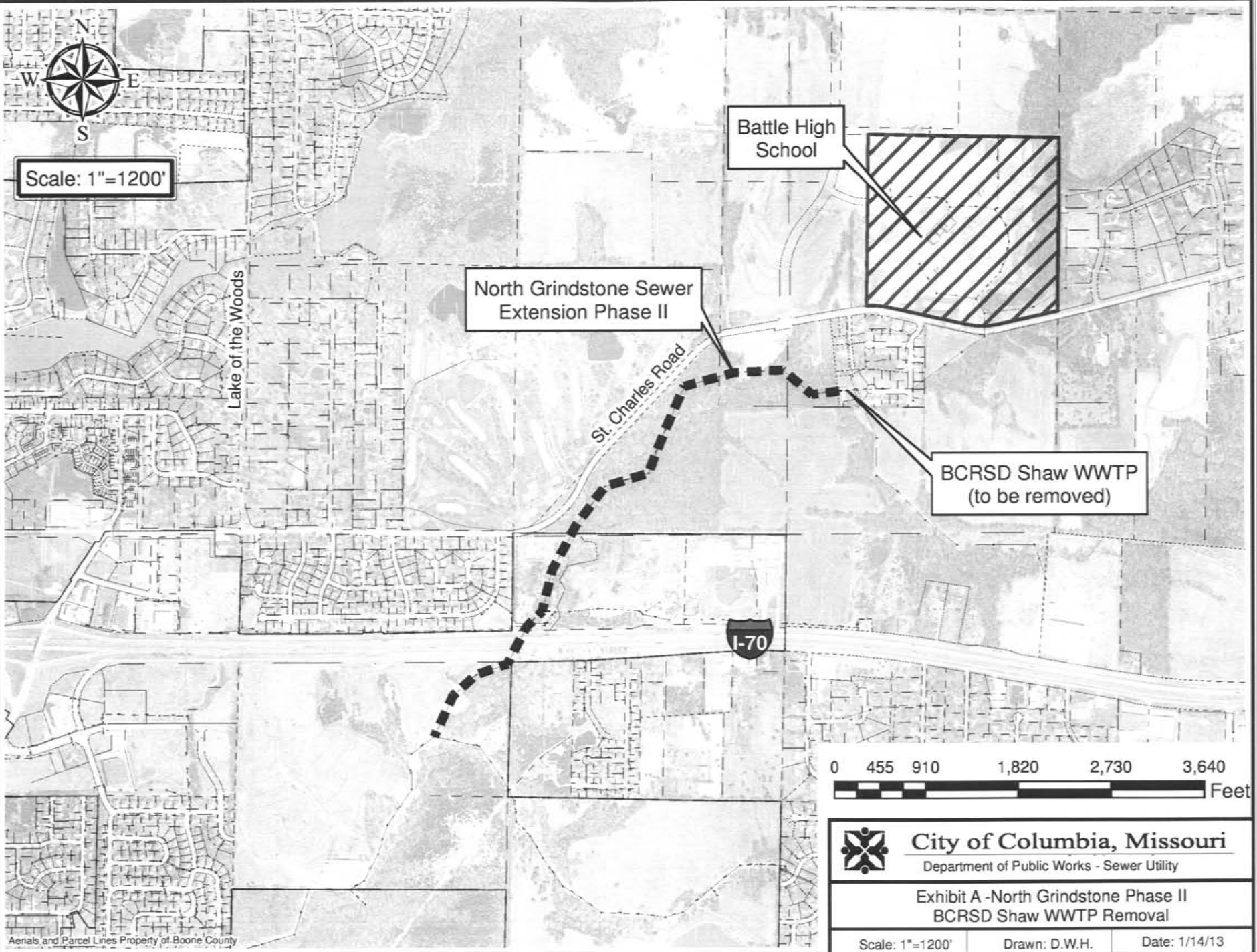
<http://www.gocolumbiamo.com/Council/Meetings/visionimpact.php>

None

SUGGESTED COUNCIL ACTIONS:

Approval of the resolution authorizing the City Manager to execute the amendment with BCRSD.

FISCAL and VISION NOTES:					
City Fiscal Impact Enter all that apply		Program Impact		Mandates	
City's current net FY cost	\$1,383,302.00	New Program/ Agency?	No	Federal or State mandated?	No
Amount of funds already appropriated	\$1,553,000.00	Duplicates/Expands an existing program?	Yes	Vision Implementation impact	
Amount of budget amendment needed	\$0.00	Fiscal Impact on any local political subdivision?	No	Enter all that apply: Refer to Web site	
Estimated 2 year net costs:		Resources Required		Vision Impact?	No
One Time	\$0.00	Requires add'l FTE Personnel?	No	Primary Vision, Strategy and/or Goal Item #	
Operating/ Ongoing	\$0.00	Requires add'l facilities?	No	Secondary Vision, Strategy and/or Goal Item #	
		Requires add'l capital equipment?	No	Fiscal year implementation Task #	



Scale: 1"=1200'



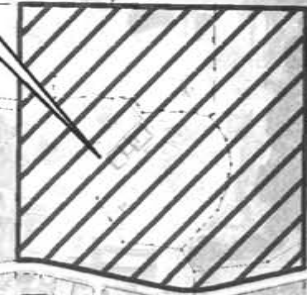
Lake of the Woods

North Grindstone Sewer Extension Phase II

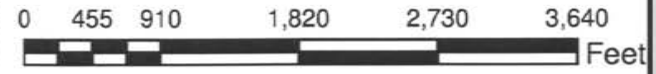
St. Charles Road



Battle High School



BCRSD Shaw WWTP (to be removed)



City of Columbia, Missouri

Department of Public Works - Sewer Utility

Exhibit A - North Grindstone Phase II
BCRSD Shaw WWTP Removal

Scale: 1"=1200'

Drawn: D.W.H.

Date: 1/14/13

Aerials and Parcel Lines Property of Boone County