

North Central Montana Regional Water Authority
Executive Committee Meeting
AE2S Office Buildings (300 15th Street South, Suite #7) – Great Falls, MT
Conference Call Number: 1-712-775-7035 Participation Code 288230#
1:00 p.m. - Tuesday, November 15, 2016

M.A.

- 1) Approval of Agenda
- 2) Public Comment
- 3) Approve October 25, 2016 Meeting Minutes *M/S/P*
- 4) Lobbyist Updates */Brad Mollett*
 - a. Current Federal Legislation *March: CR - 2 Rec. Bills - Infrastructure -*
- 5) Financials & Accounting: Approval of financials and payment of invoices *(M/S/P)*
- 6) Engineering Team Updates
 - A. North Havre CWD *- Equipment - to B.O.R. -*
 - B. Tiber Service Area >
 - C. Hill CWD
 - D. Conrad/Brady >
 - E. Shelby/Cut Bank
 - a. Status Update *- flushing, pressure testing, check the mid Dec. Bldg done, record 31st*
 - F. Shelby/Sweet Grass *- change of place of use -*
 - G. Shelby/Conrad
 - H. Newsletter
- 7) Proposed 2017 Meeting Calendar
- 8) Other
 - A. DNRC, BOR, DEQ and EPA Reports
 - B. Next Meeting:
 - Coordinating Committee Meeting**
Tuesday ~~November~~ *Feb* 28, 2017 at 10:00 a.m. – AE2S Office Great Falls, MT
 - Executive Committee Meeting**
Tuesday January 24, 2017 at 1:00 p.m. – AE2S Office Great Falls, MT
 - Full Authority Meeting**
December 13, 2016 at 1:00 p.m. – AE2S Office Great Falls, MT
- 9) Adjournment *M/S/P*

*- color of hydrocasts -
- tenders only -*

DRAFT

**Rocky Boy's/North Central Montana Regional Water Authority
Coordinating Committee Meeting**

AE2S Office Buildings (300 15th Street South, Suite #7) – Great Falls, MT

Conference Call Number: (712) 775-7035, Access Code: 288230#

November 15, 2016

10:00 a.m.

1. Introductions - Authority (Chair)/ Tribe (Co-Chair)
 - a. Recognition of Guests
 - b. Review of Agenda
 - c. Approval of August 23, 2016 Meeting Minutes *m/s/*

2. Chippewa Cree Construction Corp Report
 - a. Ongoing Projects
 - b. AFA17 Proposed Projects
 - c. Financials
 - d. Operations – Tribal Water Resource Department *(OM+R)*

3. North Central MT Regional Water Authority Report
 - a. Ongoing Projects *-*
 - b. AFA17 Proposed Projects *-*
 - c. Financials *- AFA 2017 request - BOR complete this week -*

4. Ranking Criteria Funding Letter *-*

5. Proposed 2017 Meeting Calendar

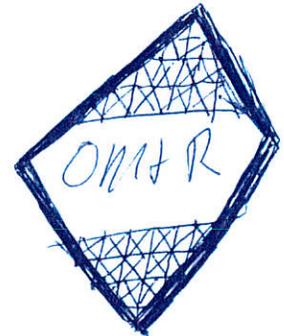
6. BOR, DNRC, DEQ, EPA and BIA Updates *Musler*

7. Other
 - a. Newsletter Review
 - b. *regulation*

8. Next Meeting Date *Feb 28th 10am AE2S
OM+R @ 830am*

*Steve Davis - Area Manager
BOR*

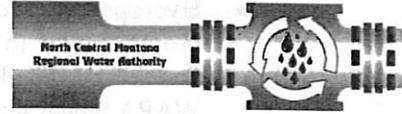
(OM+R)



Coordinating Committee Meeting

Tuesday February 28, 2017 at 10:00 a.m. - AE2S Office – Great Falls

Greg



November 15, 2016

Mr. Steve Davies
Bureau of Reclamation
Great Plains Region
Montana Area Office
P.O. Box 30137
Billings, Montana 59107-0137

RE: Fiscal Year 2018 Rural Water Ranking Criteria

Dear Mr. Davies:

The Bureau of Reclamation is requesting input regarding Factor 11 for the prioritization of fiscal year 2018 funding for the Rural Water Supply Program. This letter represents the unique project characteristics or circumstances related to Factor 11 identified by the following two entities that have a partnership to supply drinking water to Montana residents:

1. Chippewa Cree Tribe of the Rocky's Boy Reservation (Core System)
2. North Central Montana Regional Water Authority (NCRMWA) (Non-Core System)
 - a. NCRMWA represents residents in Chouteau, Glacier, Hill, Liberty, Pondera, Teton, and Toole Counties in Montana.

Both entities wish to highlight that the Rocky Boy's/ North Central Montana Regional Water System (Rocky Boy's/NCRMWS) Project to our knowledge is the last substantially funded Rural Water Supply Program project without an operating water treatment plant. The Chippewa Cree Tribe has been preparing for construction of Phase 1A of the Water Treatment Plant (WTP), which is anticipated to begin in the spring of 2017. A substantial amount of funding is required to complete this project (\$53M). Both entities strongly request additional federal funding in 2017/2018 to complete WTP Phase 1A.

The following information represents the Rocky Boy's/NCRMWS Project's unique characteristics for your consideration under Factor 11:

Incorporation of new project components to increase the proportion of renewable energy used

- Hydropower is considered a renewable and clean energy. The substation proposed to provide power to the Rocky Boy's WTP will directly use energy generated at Tiber Dam that is distributed by the Western Area Power Administration (WAPA). The renewable WAPA power will be utilized for 100% of the planned power needs at the Tiber Intake and Rocky Boy's WTP facilities, Operator Housing, etc.
- A considerable portion of the energy used at the Rocky Boy's WTP is required to pump water to the western portion of the Non-Core System, which is intended to provide water service to the communities of Chester, Shelby, Cut Bank, Conrad, Sunburst, Dutton, and several other public water systems.
- In addition to the WAPA substation at the Rocky Boy's WTP, it is anticipated that WAPA power (via a new substation) will be utilized for several pumping facilities located on the Rocky Boy's Reservation to provide water service to its communities and residents.
- There are several pumping facilities associated with the Non-Core System, which will require power to be delivered by local electrical utilities. Electrical utilities in the project area include Glacier Electric Co-op, Hill County Electric Co-op, Marias River Electric Co-op, Sun River Electric Co-op, and NorthWestern Energy. WAPA power will be pursued for the Non-Core System facilities if it is available from these utilities.
- The Core System Pipeline consists of approximately 54 miles of transmission pipeline to convey drinking water from Tiber Dam to the Rocky Boy's Reservation and the City of Havre without the need for pumping. To accomplish this task, portions of the pipeline will maintain a considerable amount of static pressure as the pipeline extends to the east, where the elevation is substantially lower. Micro-Hydro power technology harnesses the energy of flowing water and converts it to useable electricity via turbines. Excess pressure may be available for renewable energy production from the Core System Pipeline. This renewable energy technology could be incorporated into the Core System Pipeline design, and the potential exists for energy to be generated to provide power to critical components. In addition, there have been significant advancements in the feasibility of onsite solar power generation. Solar power could be incorporated in the Core System Pipeline as a renewable energy source to provide power for metering stations, cathodic protection systems, farm water depots, and data monitoring sites.
- **In summary, all of the pumping facilities to be constructed for the Rocky Boy's/NCMRWS Project are eligible to receive electrical power from WAPA, which is a renewable power source.**

Projects that advance sustainable energy initiatives

- The Rocky Boy's/NCMRWS Project intends to regionalize water systems in a large area of Montana. The regional system will replace multiple water supply and treatment systems that are aging and relatively inefficient with larger, modern systems that are substantially more efficient.
- Equipment for the Rocky Boy's/NCMRWS Project is evaluated for possible micro-hydro power, wind power, and solar power opportunities. Segment W4-A1: Conrad to Brady which was constructed in 2013-2014 includes a standpipe located near the City of Conrad. The standpipe is equipped with a solar powered mixing system to address

potential water quality problems and avoid freezing issues. Future facilities will be evaluated for similar equipment.

- The Chippewa Cree Tribe performed a wind energy assessment in 2006, the area was designated a Class 3 wind resource, which is feasible for the development of wind power generation. The assessment shows the ability to generate 5-6 million kWh in net energy per wind turbine on reservation. The Rocky Boy's/NCMRWS Project will construct a WAPA interconnection facility on-reservation to provide power for on-reservation Core System infrastructure. Wind power could be supplied through this interconnection facility to WAPA to promote sustainable energy initiatives.
- There are currently two wind energy generation systems in the Rocky Boy's/NCMRWS Project area: The Rim Rock Wind Farm (189 Megawatts) and the Glacier Wind Farm (210 Megawatts). The systems are located in the vicinity of Shelby and Cut Bank. The Rocky Boy's/NCMRWS Project is planned to meet the long-term water supply requirements for these and other area communities. Currently, the NCMRWA is completing the construction of a significant water pipeline project that will convey water from Shelby to Cut Bank, which serve as the local economic hub that supports residents employed by the wind farms.
- The hydropower generating facility at Tiber Dam, which is rated at 7.5 Megawatts, is supported by the Town of Chester and surrounding area. The Rocky Boy's/NCMRWS Project is planned to meet the long-term water supply requirements for Chester and the surrounding area, which serve as the local economic hub that supports residents employed at the hydropower generating facility at Tiber Dam.

Projects that supply water to national security facilities

- The Rocky Boy's/NCMRWS Project will provide water to the Sweet Grass County Community Water and Sewer District (Sweet Grass), which provides water service to the border crossing station located at the Port of Sweet Grass. Water is currently provided to Sweet Grass and subsequently the Port of Sweet Grass from the Village of Coultts, Alberta using a water treatment system that is not consistent with United States Environmental Protection Agency regulations. The Rocky Boy's/NCMRWS Project would address this regulatory challenge and provide improved water service to the Port of Sweet Grass border crossing facility.
- The United States Border Patrol recently constructed a field office in Sunburst, MT. The water source used by the Town of Sunburst is relatively poor and contains concentrations of contaminants that exceed secondary water quality standards aesthetics. Contaminants of concern include total dissolved solids, hardness, sulfate, sodium, nitrate, and several heavy metals. The Rocky Boy's/NCMRWS Project will provide improved water quality to the Town of Sunburst and the United States Border Patrol field office.
- The United States Border Patrol also has office facilities in Havre, MT and Shelby, MT. The Rocky Boy's/NCMRWS Project will provide water service to the City of Havre and the City of Shelby to address long-term water system planning objectives.
- Malmstrom Air Force Base consists of several remote sites as part of the United States Strategic Command Intercontinental Ballistic Missile Wing located in the service area of the Rocky Boy's/NCMRWS Project, which are currently served or could be served by water systems participating in the project. Providing water service to the remote sites could improve living conditions for military service members stationed at those locations.
- The Bureau of Reclamation has operations and maintenance facilities located at Tiber Dam and has requested information regarding water service from the Rocky

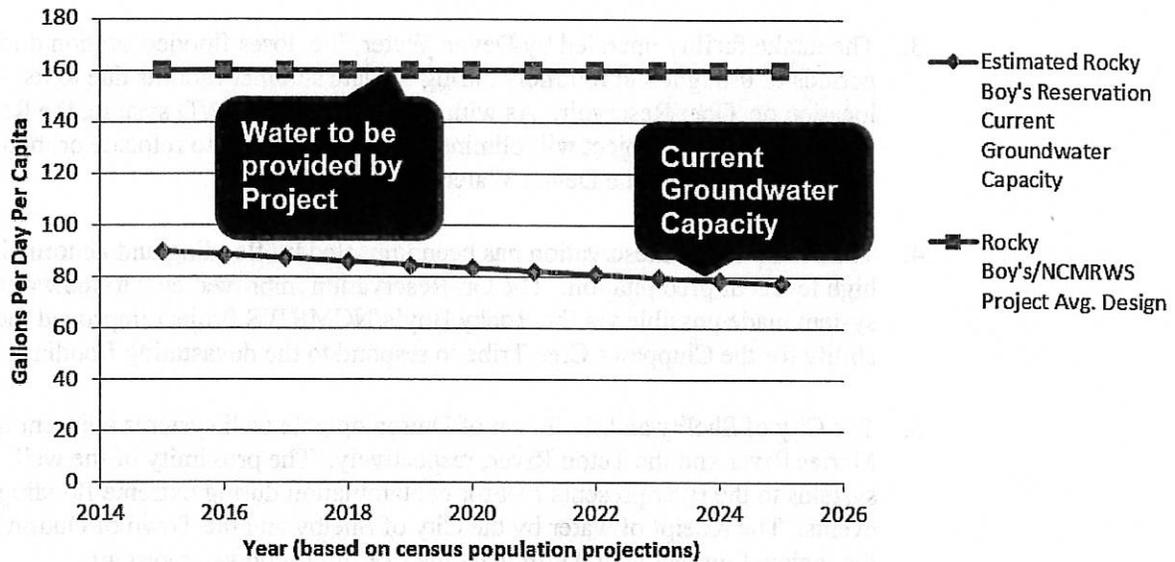
Boy's/NCMRWS Project. Both the Chippewa Cree Tribe and NCMRWA have indicated their support to provide water service to Bureau of Reclamation facilities. Water service could also be provided to the marina and public campgrounds near Tiber Dam, which are managed by the Bureau of Reclamation.

Projects that secure finite groundwater resources threatened by depletion

- Several water systems participating in the Rocky Boy's/NCMRWS Project currently use groundwater sources that are limited in capacity or are of poor quality. Specific systems, such as Galata County Water District (CWD) and Oilmont CWD, are unable to meet the current demand for water in their respective service area because the groundwater source is limited or because the source is impacted by drought conditions. Providing water from Tiber Reservoir to such systems will reduce the demand on the limited groundwater resources that are available and provide the opportunity to provide water to areas that presently lack adequate water service.
- The Town of Big Sandy experiences a substantial decline in groundwater system capacity during relatively brief periods of drought. Service from the regional project would eliminate the need for severe water use restrictions to be enforced by the Town of Big Sandy during drought conditions.
- The Rocky Boy's Reservation was formed in 1916 and was located in an area with a finite groundwater supply. Due to significant population growth (24% increase from 2000 to 2010, Census data), the finite groundwater supplies used by the Rocky Boy's Reservation are being depleted at an unsustainable rate. In fact, groundwater resources on the Rocky Boy's Reservation are so limited that its residents are on permanent water restrictions, which significantly prohibits outside water use (car washing, lawn watering). Furthermore, acceptable operating pressures for indoor water use cannot be assured. During periods of drought, groundwater sources are often depleted to the point of becoming unusable. As the Rocky Boy's Reservation population continues to increase, depletion of this vital resource will continue until the Rocky Boy's/NCMRWS Project is completed and a dependable safe drinking water supply is provided.

- Being that Rocky Boy's Reservation was established on a finite groundwater supply, annual population increases continue to tax infrastructure. The following graph depicts the current water capacity on Rocky Boy's Reservation and how groundwater continues to be depleted on an annual basis. The Rocky Boy's/NCMRWS Project will provide a new sufficient water source to reverse this trend.

Rocky Boy's Reservation Water Availability Comparison



- The Rocky Boy's Reservation is also impacted by a lack of sufficient infrastructure needed to convey limited drinking water to the current and projected population. The large size of the distribution system, hydraulic challenges resulting from the mountainous terrain, and aging infrastructure that is currently undersized limits the ability to properly move drinking water throughout the system. This problem is compounded as the current system ages and is negatively impacted during emergencies (i.e. 2010, 2011, 2012, 2013 flooding events).

Recovery from natural disasters that threaten water quality or severely damage critical water delivery infrastructure

- All of the water systems participating in the Rocky Boy's/NCMRWS Project are susceptible to the impacts of drought and flooding. The following examples demonstrate the extent of risk:
 1. The City of Havre and the City of Cut Bank rely on surface water sources for domestic water supply. Given ongoing efforts to support the St. Mary Diversion Facility Rehabilitation project, the Milk River watershed is at considerable risk of being able to meet the water needs of Havre, other communities, and irrigators during periods of drought. The City of Cut Bank relies on Cut Bank Creek, which routinely experiences extremely low flows due to drought conditions. The

low flow conditions force the City of Cut Bank to implement significant water use restrictions.

2. The intake facility operated by North Havre CWD was previously only operational during periods associated with high water levels in Fresno Reservoir. The NCMRWA completed a project segment to provide interim water service to North Havre CWD from the City of Havre. The Rocky Boy's/NCMRWS Project eliminated the need to construct a new intake facility to provide a more reliable system for North Havre CWD.
3. The intake facility operated by Devon Water, Inc. loses flooded suction during periods of drought and routinely during the late summer months due to its location on Tiber Reservoir. As with the North Havre CWD system, the Rocky Boy's/NCMRWS Project will eliminate substantial costs to relocate or modify the configuration of the Devon Water intake facility.
4. The Rocky Boy's Reservation has been impacted by flooding and abnormally high levels of precipitation. The On-Reservation improvements to the water system made possible via the Rocky Boy's/NCMRWS Project improved the ability for the Chippewa Cree Tribe to respond to the devastating flooding.
5. The City of Shelby and the Town of Dutton operate well systems adjacent to the Marias River and the Teton River, respectively. The proximity of the well systems to the river presents risk for contamination during extreme flooding events. The receipt of water by the City of Shelby and the Town of Dutton from the regional project would eliminate the risk of groundwater system contamination associated with a major flooding disaster.
6. Surface water systems, such as Cut Bank and Havre, experienced compliance issues related to the formation of disinfection by-products because of increased watershed runoff impacts in 2011. Based on routine sampling and monitoring results, the threat of noncompliance with Federal drinking water regulations has become a significant concern for systems treating surface water due to the more frequent high intensity precipitation events that cause excessive runoff, erosion, and transport of sediment and organic matter. The treated water to be provided by the regional water system project will greatly improve the ability for these and other water systems to address poor water quality caused by natural disasters such as floods and drought, as well as potential impacts caused by climate change.
7. Tiber Reservoir experienced abnormally high water levels in the spring and early summer of 2011 due to increased levels of runoff and precipitation. The elevated water levels caused substantial damage to the access road to the intake facility operated by Tiber County Water District and nearly rendered the facility inoperable for an extended period of time. The access road currently remains unrepaired. The robust intake facility constructed for the Rocky Boy's/NCMRWS Project eliminates concerns for participating water systems operating water supply infrastructure that are susceptible to natural disasters.

8. From 2010 through 2013, the Rocky Boy's Reservation and surrounding off-reservation communities have experienced catastrophic flooding events during 3 of the 4 years. Recovery efforts from these devastating events have been slow, and despite the assistance of the Federal Emergency Management Agency (FEMA), efforts to restore infrastructure has been costly for the Chippewa Cree Tribe. In 2010, the drinking water supply system was breached and inundated with flood water and debris. Flooding events caused private septic tanks to overflow, which in turn contaminated ground water sources by directly entering well casings. The volcanic based geology on-reservation consists of small underground pools of water that once contaminated the source cannot be naturally repaired/remediated. Due to this problem, several areas of the Reservation were under boil orders for a period of time exceeding 8 months. The health risks will continue to occur until critical portions of the On-Reservation water system to be constructed as part of the Rocky Boy's/NCMRWS Project are able to deliver a dependable safe drinking water supply.
 9. Oilmont CWD has used natural springs for its water supply over the past 30 years. Over the past four years coinciding with increased precipitation intensity levels, Oilmont CWD has experienced regulatory violations with the Total Coliform Rule due to routine samples indicating the presence of total coliform. Some samples have tested positive for E. coli, which can cause severe health issues. The recent increase in precipitation intensity could potentially be causing contamination of the water produced by the springs.
- Brady County Water & Sewer District experienced significant water quality problems due to failure of its raw water intake pipeline in August 2013. The cause of the intake failure was not specifically identified, but the deteriorated water quality compelled the Montana Department of Environmental Quality to issue a long-term health advisory to the community residents that the water was unfit for human consumption. This issue was temporarily addressed via the construction of a segment of the Non-Core System to provide interim water service from the City of Conrad; however, the need for permanent water service from the Rocky Boys/NCMRWS Project is the most appropriate long-term objective.

As indicated above, the funding received to date has been used to construct critical components of the Rocky Boy's/NCMRWS Project with the intent of maximizing the near-term benefit. Much of the progress has been achieved as a result of State and local funding. The State of Montana has awarded grants for Core System construction totaling \$5,578,950 and grants for Non-Core System construction totaling \$15,861,768. With these grant awards, the State of Montana will meet the majority of its 10 percent cost share obligation to the Rocky Boy's/NCMRWS Project. Local cost share expenditures total \$1,093,600 through Fiscal Year 2016, with an additional \$467,237 in local cost share planned with revenue bond financing for 2016/2017 construction projects.

The ability to construct beneficial components of the Rocky Boy's/NCMRWS Project with recent annual funding levels is becoming increasingly difficult. The need for major project components, such as the Rocky Boy's WTP and large diameter pipeline segments, is vital to the near-term success of the Rocky Boy's/NCMRWS Project and the mission of addressing the water quantity and quality challenges in north

central Montana. Since the State of Montana has met almost all of its funding obligations, the Chippewa Cree Tribe and systems comprising the NCMRWA are now depending on Federal funding to move the project forward and achieve critical milestones.

Insufficient Funding Levels To Date

Both the Chippewa Cree Tribe and NCMRWA strongly urge the BoR to consider that in comparison to other regional water projects authorized prior to or under a similar time frames, the Rocky Boy's/NCMRWS Project is still hindered by not having a water treatment facility in operation. Although the WTP does not yet exist, the required adjacent intake and pipelines are in place and ready to convey water to users. The Rocky Boy's/NCMRWS Project was authorized by Congress in 2002, with the idea that the entire project was to be completed by 2012. To date, necessary funding has not been received to construct any initial phase of the WTP, which is a significant deficiency in the meeting the Federal requirements of the Chippewa Cree Water Rights Settlement.

We would like to thank the Reclamation staff for the opportunity to present Rocky Boy's/NCMRWS Project's unique characteristics related to Factor 11 for their consideration in preparing 2018 project funding rankings. Please contact us at (406) 352-8000 or (406) 450-5196 with any questions related to our response.

Sincerely,

Harlan Baker
Chairman
Chippewa Cree Tribe

Larry Bonderud
Executive Committee President
North Central Montana Regional Water Authority

cc: Senator Tester
Senator Daines
Representative Zinke
Chippewa Cree Tribe
Larry Morsette, CEO, CCCC
Tribal Water Resources Department
NCMRWA Board Members
Greg Kruzich, Bureau of Reclamation
Jody Hellegaard, NCMRWA
Bob Ganter, KLJ
Deon Stockert, PE, AE2S

ROCKY BOY'S / NORTH CENTRAL MONTANA REGIONAL WATER SYSTEM PROJECT NEWS

Fourth Quarter 2016

IN THIS ISSUE:

Tribal Elections Update

Segment W3: Shelby to Cut Bank Construction Update

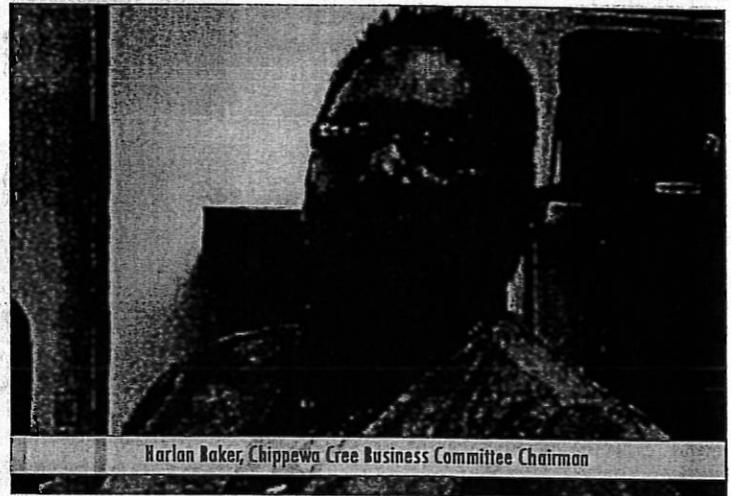
9 Mile Article

Tiber Raw Water Pipelines Construction Update

Segment W4-B1: Shelby to Conrad Construction Contract Award

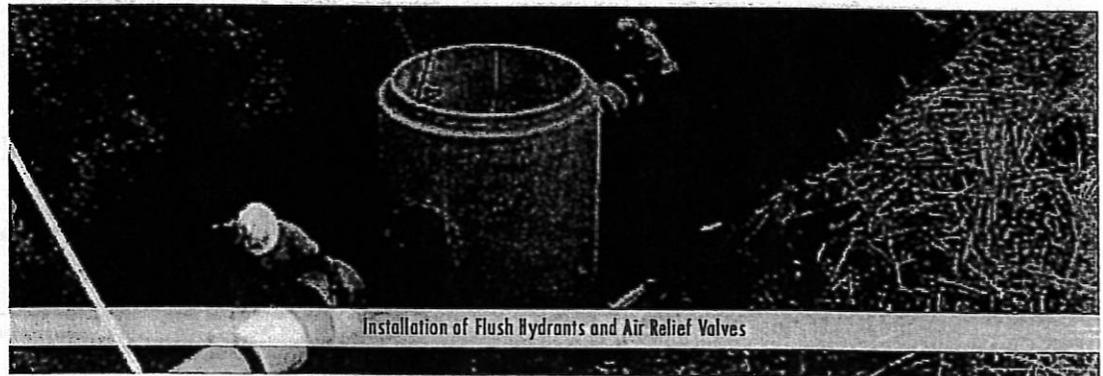
Tribal Elections Update

The Chippewa Cree Business Committee plays an integral role in the implementation of the Rocky Boy's/North Central Montana Regional Water System Project. This article recognizes the results of the November 2016 Tribal Election. Congratulations are extended to the 2016 elected members of the Chippewa Cree Business Committee which includes Harlan Baker as Chairman, re-elected members Ted Whitford and Ted Russette; and new members Joe Demontiney and Luke Parisian. ■



Harlan Baker, Chippewa Cree Business Committee Chairman

Segment W3: Shelby to Cut Bank Construction Update



Installation of Flush Hydrants and Air Relief Valves

Construction activities for Downing Construction (Downing) and Central Excavation (Central) continue as both contractors are making their final push before winter weather sets in and halts work for the year. All underground piping has been installed and significant progress has been made on the pump station, standpipe, and meter building.

Once all the underground piping was installed, Downing spent the next couple months installing flush hydrants and air relief valves, pouring thrust blocks on road bores, and placing topsoil back on top of the trench disturbances. Pressure testing and disinfection of the new pipeline is scheduled to take place before the end of the year.

Construction of the pump station near Ethridge is progressing, and the building is nearly enclosed. Electricity has been connected to the building, all masonry work has been completed, and the roof has been constructed. The access road to the site is currently under construction, and interior pipe work is scheduled to take place this winter.

Check out the Rocky Boy's / North Central Montana Regional Water System Project Web Site: <http://www.rockyboynorthcentral.com/>

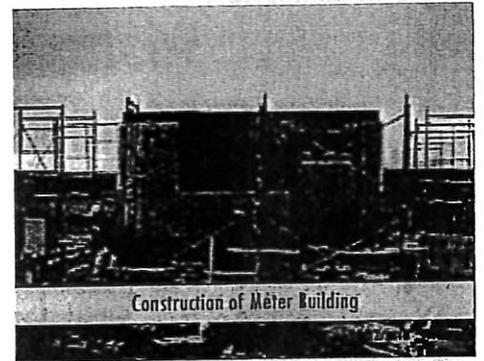
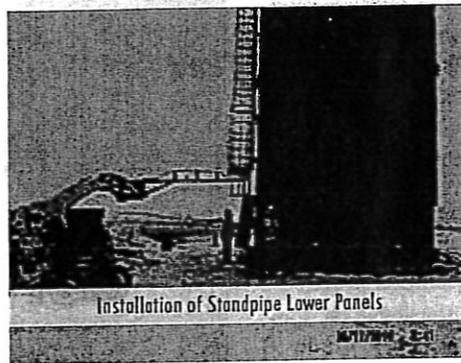
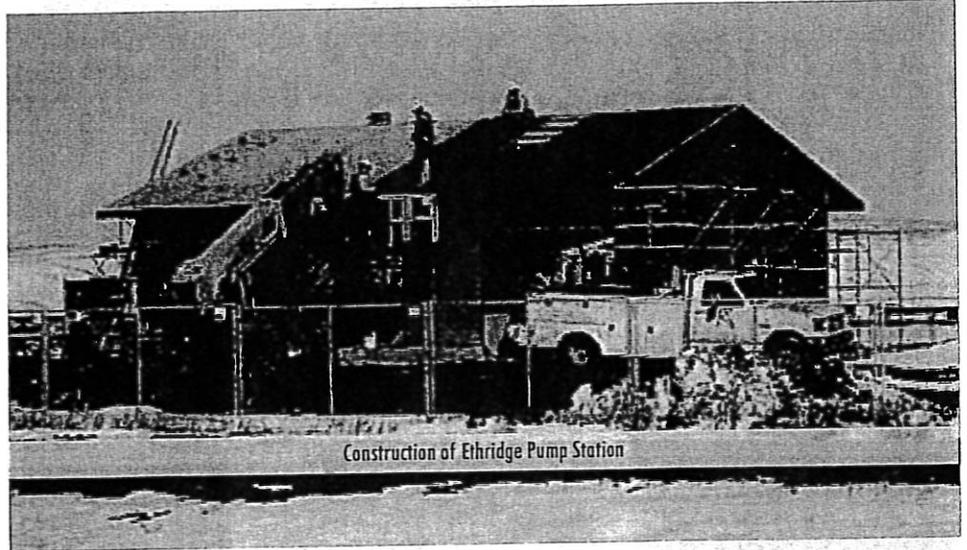
Continued on Page 2 ►

Segment W3: Shelby to Cut Bank Construction Update (cont.)

The standpipe was constructed in mid-October by a specialized tank contractor. To erect the tank, hydraulic jacks were used to lift the upper sections of the tank as lower panels of the tank wall were installed (picture 4641). The 47-foot-tall, 105,000-gallon tank will provide working pressure to the pipeline system and enable the water to flow from the standpipe to Cut Bank.

Central has also made significant progress on the meter building located on the east side of Cut Bank near the Saddle Club. Like the pump station, the meter building was constructed with CMU blocks on the interior, brick on the exterior, and insulation sandwiched between the two. Eighteen-inch inlet and outlet pipes were cast into the north and south side walls of the building to connect the building to the waterline. Installation of internal piping is scheduled to take place this winter.

Both contractors are on schedule to achieve substantial completion by March 2017. Once operational, the waterline will provide 750,000 gallons of water per day to the City of Cut Bank to help address water shortage issues caused by chronic drought conditions. ■



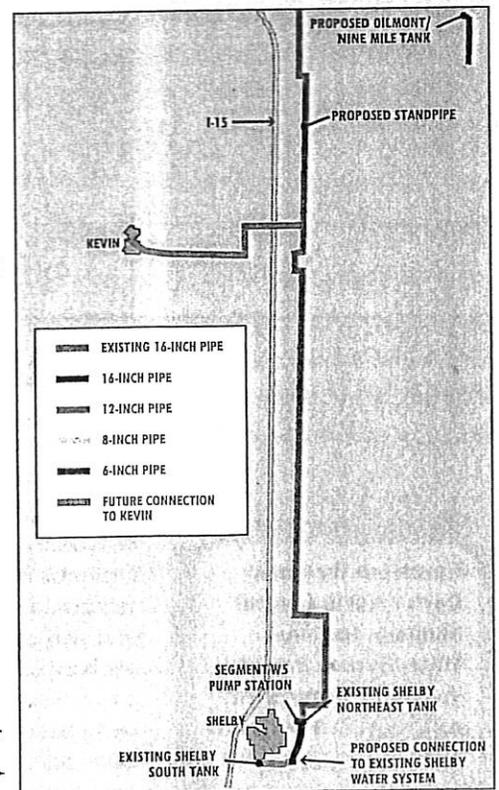
9 Mile Article

Oilmont County Water District (CWD) is located in northern Toole County and consists of a rural water system with 85 service connections. Water for the system is obtained from the Daisy Spring and the White Spring, which allows the system to operate without pumping. Historical flow rates from the springs have averaged around 70 gallons per minute (gpm), but production is variable and fluctuating low flow rates cause significant operational issues throughout the year. Along with the flow limitations, the water system recently tested positive for Total Coliform, which resulted in an Administrative Order by the Montana Department of Environmental Quality. Consequently, chlorine disinfection was installed on the White Spring and corresponding pipeline system in September 2016. While the implementation of the disinfection system on the White Spring has allowed Oilmont CWD to maintain its operation, the variable production and water restrictions during periods of low spring production prompted Oilmont CWD to participate in the Rocky Boy/North

Central Montana Regional Water System (NCMRWS) Project. The additional capacity provided from the regional project will meet the increased demand sought by its current customers and allow connections to new customers, who desire water service from Oilmont CWD. Mike Wallewein represents Oilmont CWD on the North Central Montana Regional Water Authority (NCMRWA) Board of Directors.

Nine Mile County Water & Sewer District (District) is a community of residents in a 130 square mile area of Toole County who live east of the Town of Sunburst and north of the Oilmont CWD with no water distribution infrastructure to supply them with potable water. These residents presently have virtually no reliable source of clean potable water. A handful of residents within this area have access to either hand dug water wells or natural springs; however, the water quantity is variable and can become seasonally contaminated with alkali and other

Continued on Page 4 ►



UPCOMING EVENTS

Rocky Boy's/North Central Montana Regional Water System Coordinating Committee Meeting

• Nov. 10, 2016 - 10:00 AM
• Elmer, Montana

North Central Montana Regional Water Authority Executive Committee Meetings

• Oct. 27, 2016 - 10:00 AM
• Elmer, Montana
• Nov. 10, 2016 - 10:00 AM
• Elmer, Montana

Quarterly Authority Meeting

• Sep. 27, 2016 - 10:00 AM
• Comfort Inn in Shelby

Tiber Raw Water Pipelines Construction Update

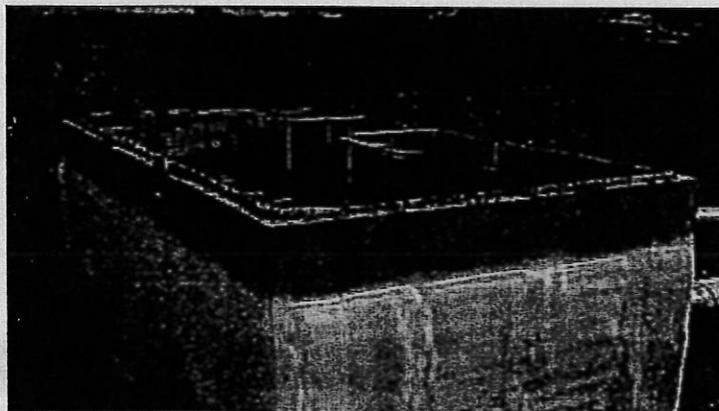
In October of 2016, the Chippewa Cree Construction Corporation (CCCC) completed mainline pipe installation of the Tiber Raw Water Pipelines project. These twin 30-inch steel pipes will transfer raw water from Rocky Boy's Intake Facility (located on Lake Elwell) to the future Rocky Boy's Water Treatment Plant located approximately one mile away. Due to poor soil conditions encountered during pipeline installation, CCCC utilized nearly 1,500 cubic yards of controlled density fill (CDF) to help prevent pipeline settlement and aid in

long-term operation of the Tiber Raw Water Pipelines. CCCC is preparing for hydrostatic testing of the pipelines over the winter.

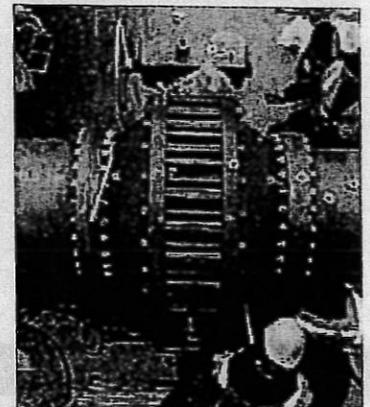
Following mainline pipe installation, CCCC focused construction efforts on appurtenance installation, valve vault completion, and cathodic protection system installation. In conjunction with the twin raw water pipelines, CCCC began excavation efforts for the combination Riprap/Articulating Concrete Mat erosion control channel. This erosion control

channel runs for 2000 feet and will aid in the long term sustainability of the project site.

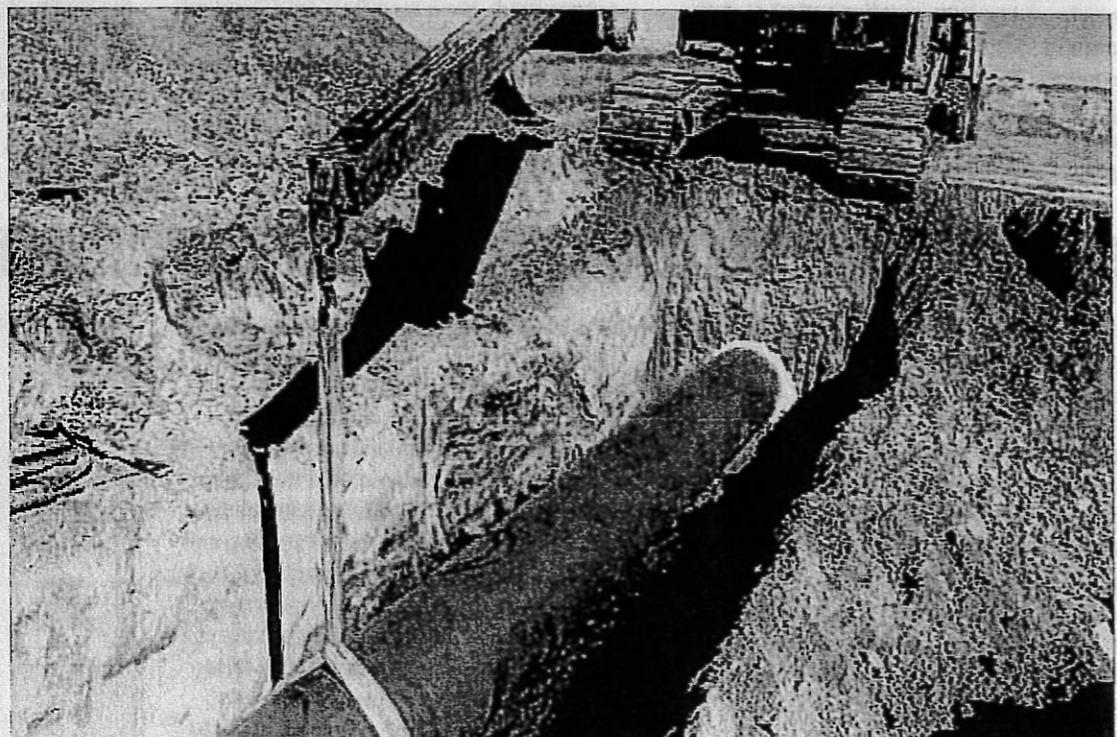
In November of 2016, CCCC plans to begin installation of the potable water line included in the Tiber Raw Water Pipelines project. This water line will deliver treated drinking water from the future Rocky Boy's Water Treatment Plant to the Intake Facility with service stops at the future operator's quarters and treatment plant supervisors house. ■



Insulated Tiber Valve Vault

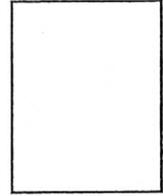


CCCC Installing 30" Ball Valve



CCCC Installing 30" Raw Water Pipeline

North Central Montana Regional Water Authority
PO Box 2456
Havre, MT 59501



First Name Last Name
Address
City, State Zip

9 Mile Article (cont.)

contaminants. Residents without access to a well must haul water from Sunburst in trucks and tankers to deliver water to their cisterns. During the summer months, some residents haul as much as 6,000 to 7,000 gallons per week for domestic use as well as livestock and agricultural purposes - the principal livelihood of this region. Water that

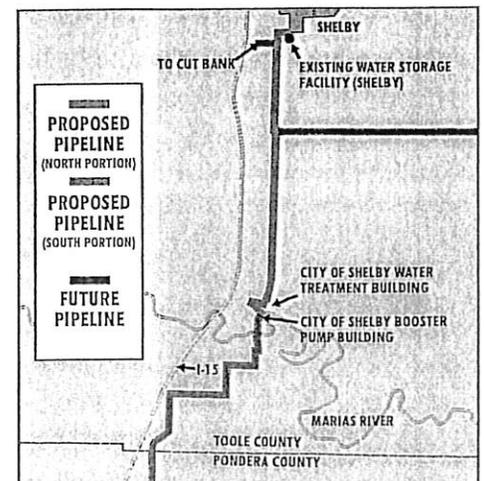
is transferred by trucks and tankers is gravity fed to individual cisterns which are stored underground. Each transfer point (Sunburst water source, to the transfer water tank, to the cistern) has the potential to expose the water to contamination. The District was established in December 2015 to help these residents obtain clean, potable water. To that

end, the District recently petitioned and was accepted as a participating water system in the Rocky Boy's/NCMRWS Project. Mike Wallawein is the District Chairman and Lisa Kearns represent the District as a member of the NCMRWA Board of Directors. ■

Segment W4-B1: Shelby to Conrad Construction Contract Award

The North Central Montana Regional Water Authority (NCMRWA) held a bid opening on August 25, 2016, for Segment W4-B1: Shelby to Conrad of the Rocky Boy's/NCMRWS Project. The NCMRWA worked with the Bureau of Reclamation, the Montana Department of Natural Resources and Conservation, and the Montana Department of Environmental Quality to award the construction contract. Downing Construction, Inc. of Columbia Falls was the low bidder and was awarded the project in the amount of \$3,901,280 on October 17, 2016. A Notice-To-Proceed was issued in late November for construction consisting of pipe

installation at the north end of the project. Construction will continue from the date of the Notice-To-Proceed until the frost depth makes excavation and backfill unfeasible. The remaining work on the north portion of the project, consisting of additional pipe, road bores, gate valves, air/vacuum valves, connection to existing systems, flushing and testing, and seeding, will be completed during the 2017 construction season beginning in early spring and finishing up prior to the end of the July, 2017. The boring of the Marias River, the southern portion of the project, and final cleanup will be completed prior to November 30, 2017. ■



4C Tribal

AFA RECAP OF DRAWS FOR 2016

DATE	DRAW #	AMOUNT	DIRECT COST SUPPORT	CONTRACTS	ENGINEERING	EQUIPMENT	PIPELINE SUPPLIES	RIGHT OF WY	PAYROLL	FRINGE	PROFESSIONAL FEES	TRAVEL	TERO	TOTAL
10/13/2016	DRAW #1	\$ 261,354.38		\$ 16,061.74			\$ 194,035.51	\$ 202.00	\$ 26,874.89	\$ 8,782.71	\$ 2,268.00	\$ 684.08	\$ 12,445.45	\$ 261,354.38
10/20/2016	DRAW #2	\$ 244,457.93		\$ 26,233.64			\$ 50,460.39		\$ 33,167.06	\$ 10,839.00	\$ 107,342.75	\$ 4,774.24	\$ 11,640.85	\$ 244,457.93
10/20/2016	DRAW #1 A	\$ 54,575.22	\$ 51,976.40										\$ 2,598.82	\$ 54,575.22
11/1/2016	DRAW #3	\$ 408,414.98		\$ 13,868.33	\$ 106,555.99	\$ 118,068.22	\$ 88,865.79		\$ 44,959.13	\$ 14,692.64	\$ 1,827.00	\$ 129.54	\$ 19,448.33	\$ 408,414.97
														\$ -
														\$ -
TOTAL		\$ 968,802.51	\$ 51,976.40	\$ 56,163.71	\$ 106,555.99	\$ 118,068.22	\$ 333,361.69	\$ 202.00	\$ 105,001.08	\$ 34,314.35	\$ 111,437.75	\$ 5,587.86	\$ 46,133.45	\$ 968,802.50
BUDGET		\$ 9,200,524.00	\$ 850,000.00	\$ 122,896.00	\$ 3,966,206.00	\$ 952,331.00	\$ 996,392.00	\$ 160,000.00	\$ 956,503.00	\$ 315,646.00	\$ 450,625.00	\$ 22,647.00	\$ 407,278.00	\$ 9,200,524.00

2017 Draft Meeting Calendar

Rocky Boys/North Central Montana Regional Water System

January 2017						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February 2017						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March 2017						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April 2017						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May 2017						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June 2017						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July 2017						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August 2017						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September 2017						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October 2017						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November 2017						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December 2017						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

RED DATES: Authority Executive Committee Meeting at 10:00 a.m. in Great Falls at the AE2S conference room.

GREEN DATES: Coordinating Committee Meeting at 10:00 a.m., Executive Committee Meeting at 1:00 p.m. in Great Falls at the AE2S conference room.

BLUE DATES: Full Authority Quarterly Board Meeting at 1:00 p.m. Location TBA.

OM+R

Federal Appropriations - Core/Non Core Funding Split Summary
 Rocky Boy's/North Central Montana Regional Water System Project
 Draft: May 29, 2013

Fiscal Year	Total Appropriation ¹	Core Total	Core %	Non-Core Total	Non-Core %	Non-Core 36% Allocation	Difference	Notes
FY 02	\$ 350,000	\$ -	0.0%	\$ -	0.0%	\$ 126,000	\$ (126,000)	Appropriation assumed to have been spent in FY 03
FY 03	\$ -	\$ 329,783	100.0%	\$ -	0.0%	\$ -	\$ -	
FY 04	\$ 822,000	\$ 791,777	100.0%	\$ -	0.0%	\$ 295,920	\$ (295,920)	
FY 05	\$ 887,000	\$ 816,440	89.9%	\$ 92,000	10.1%	\$ 319,320	\$ (227,320)	
FY 06	\$ 5,692,000	\$ 5,497,881	97.5%	\$ 141,365	2.5%	\$ 2,049,120	\$ (1,907,755)	Funding was used to construct the intake caisson/inlet pipe
FY 07	\$ 800,000	\$ 501,368	56.7%	\$ 382,122	43.3%	\$ 288,000	\$ 94,122	
FY 08	\$ 5,904,000	\$ 3,666,846	62.6%	\$ 2,191,932	37.4%	\$ 2,125,440	\$ 66,492	Funding generally split according to 36/64 ratio
FY 09	\$ 7,000,000	\$ 4,488,652	63.8%	\$ 2,544,594	36.2%	\$ 2,520,000	\$ 24,594	Funding generally split according to 36/64 ratio
ARRA	\$ 20,000,000	\$ 19,915,249	100.0%	\$ -	0.0%	\$ 7,200,000	\$ (7,200,000)	Funding allocated to Core System Pipeline/Intake via BoR
FY 10	\$ 9,000,000	\$ 6,609,009	67.1%	\$ 3,237,818	32.9%	\$ 3,240,000	\$ (2,182)	Funding generally split according to 36/64 ratio
ARRA	\$ 7,716,000	\$ 7,732,963	100.0%	\$ -	0.0%	\$ 2,777,760	\$ (2,777,760)	Funding allocated to Core System Pipeline/Intake via BoR
FY 11	\$ 998,000	\$ 731,213	66.9%	\$ 362,325	33.1%	\$ 359,280	\$ 3,045	Funding generally split according to 36/64 ratio
FY 12	\$ 4,387,000	\$ 4,398,084	100.0%	\$ -	0.0%	\$ 1,579,320	\$ (1,579,320)	NCMRWA agreed to allocate its share to the Core System
TOTAL	\$ 63,556,000	\$ 55,479,265	86.1%	\$ 8,952,156	13.9%	\$ 22,880,160	\$ (13,928,004)	

Notes:

1. Total Appropriation does not always equal the sum of the Core Total and Non-Core Total based on information provided by the Bureau of Reclamation

Authority need approximately \$8m for Shelby North

AGENDA

SPECIAL CITY COUNCIL MEETING

CITY OF SHELBY

November 14, 2016
7:30 P.M.

ROLL CALL OF MEMBERS

APPEARANCE REQUESTS

DEQ STATUS AND SUMMARY OF THE PROBLEMS

- KLJ Invoice for Storm Drainage Project
- KLJ Invoice for 4th Cell Project
- Bond Council Billing – Barnes & Thornburg LLP
- Bond Council Billing – Dorsey
- Moratorium on any Wastewater Flow Increases

1 STORM DRAINAGE PROJECT OPTIONS AND COSTS

2 4TH CELL PROJECT OPTIONS AND COSTS

3 5TH CELL OPTION AND COSTS

4 MECHANICAL TREATMENT OPTION

ADJOURN

0

HDSUPPLY[®] WATERWORKS

Local Service, NationwideSM
www.hdswaterworks.com

	BOD	TSS	E Coli
Limits (Permits)	30 mg/L	45 mg/L	126 CFU
Feb 19 2014	200	78	no test
★ March 3 2014	220	94	no test
April 28 2014	19	22	1
April 12 2014	26	84	1
April 17 2014	18	86	1
April 30 2015	760	67	no test
May 4 2015	26	60	2
May 11 2015	24	42	9
May 23 2016	15	15	1

Belgrade
5240 Jackrabbit Ln
406-388-5980
fax 406-388-5975

Billings
1723 Lampman Dr
406-371-9305
fax 406-656-0788

Kalispell
1093 Rose Crossing Dr
406-755-9242
fax 406-755-9247

Missoula
7372 Interstate Place
406-728-7336
fax 406-728-7630

Date	<i>Inflow</i>		<i>Load Out</i>		E Coli	DO	Ammonia	N & N
	Infl TSS	Infl BOD	Effl TSS	Effl BOD				
2/19/2014	176	210						
3/12/2014	203	270	200	98				
4/28/2014	788	220	22	14	1			
5/12/2014	753	360	84	26	1			
5/19/2014			86	18	2			
5/27/2014			21	13	12			
6/2/2014			27	15	1			
6/10/2014	820	520	67	17	4	4.9	10.5	0.09
6/17/2014			34	20	3			
6/23/2014			12	27	1			
6/30/2014			20	5	8			
7/7/2014	286	180	10	32	2			
7/14/2014			0	102	4			
7/21/2014			0	65	14			
7/28/2014			0	250	3			
8/4/2014	328	210	0	31	2			
8/11/2014			0	12	5			
8/18/2014			0	21	81	4.9	1.7	0.05
8/25/2014			0	4	16			
9/2/2014	417	320	0	6	14		0.3	0.91
9/8/2014			0	17	11			
9/15/2014			0	52	22			
9/22/2014			11	32	1			
9/29/2014			0	5	9			
10/6/2014	513	200	0	4	2			
10/14/2014			0	19	1			
10/20/2014	528	200	0	25	1	8.7	0.18	1.22
10/27/2014			0	12	1			
11/3/2014	170	210	0	5	13	5		1.14
11/10/2014			10	108	440			
11/17/2014			0	41	1			
12/1/2014	238	190						
1/21/2015	560	370						
2/2/2015	672	460						
3/9/2015	235	200						
4/20/2015	1200	350						
4/27/2015			62	160	1			
5/4/2015	414	310	60	26	2		16.9	0.26
5/11/2015			42	24	9			
5/18/2015			36	101	22			
5/26/2015			22	14	1			
6/1/2015	400	260	42	17	8	3.1	12.4	0.07
6/8/2015			0	11	6			
6/15/2015			0	17	4			
6/22/2015			16	7	2			
6/29/2015			0	10	4			

10/2/2016
90 *60*

TKN	T Nitrogen	T Phos	Oil grease	BOD %	TSS %
				98.7	97.9
17.9	18	4.41	2	98.9	98.7
				87	99.3
				97.3	100
3.9	4	2.49	0		
2.8	3.7	1.98	0	98.6	99.8
				97.8	100
2	3.2	0.87	0		
2.1	3.2	0.763	0	97.6	99.3
24.5	24.8	2.8	0	95.6	96.8
19.6	19.7	4.63	0	98.3	98.8

Effluent Limits – Outfall 001			
Parameter	Units	Average Monthly Limit ⁽¹⁾	Average Weekly Limit ⁽¹⁾
Biochemical Oxygen Demand (BOD ₅)	mg/L	30	45
	lbs/day	87	130
BOD ₅ % Removal	%	85	NA
Total Suspended Solids (TSS)	mg/L	45	65
	lbs/day	130	190
TSS % Removal	%	65	NA
<i>E. coli</i>	cfu/100 mL	126 ⁽²⁾	252 ⁽²⁾
	cfu/100 mL	630 ⁽³⁾	1260 ⁽³⁾
Oil and Grease	mg/L	NA	10 ⁽⁴⁾

Footnotes: NA – Not Applicable

1. See Definition section at end of permit for explanation of terms.
2. Geometric mean; applies during the period April 1 through October 31.
3. Geometric mean; applies during the period of November 1 through March 31.
4. Maximum daily limit.

Effluent pH shall remain between 6.0 and 9.0 unless a variation is due to natural biological processes. For compliance purposes, any single analysis and/or measurement beyond this limitation shall be considered a violation of the conditions of this permit.

85 Percent (%) Removal Requirement for BOD₅:

The arithmetic mean of the BOD₅ for effluent samples collected in a period of 30 consecutive days shall not exceed 15% of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period (85% removal). This is in addition to the concentration limitations on BOD₅.

65 Percent (%) Removal Requirement for TSS:

The arithmetic mean of the TSS for effluent samples collected in a period of 30 consecutive days shall not exceed 35% of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period (65% removal). This is in addition to the concentration limitations on TSS.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

There shall be no discharge which causes visible oil sheen in the receiving stream.

Jade Goroski

From: Larry Bonderud
Sent: Thursday, November 10, 2016 2:34 PM
To: Jade Goroski
Subject: Fwd: Storm Drainage TSEP project
Attachments: 4-Construction Exhibit.pdf; ATT00001.htm

Base new costs on this.

Sent from my iPhone

Mayor Lar

Begin forwarded message:

From: "Jason Crawford" <Jason.Crawford@kljeng.com>
To: "Larry Bonderud" <larry@shelbymt.com>
Cc: "Brad Koon" <brad.koon@kljeng.com>
Subject: RE: Storm Drainage TSEP project

Bid Price for construction in 2017

Helena Sand and Gravels Bid to do everything shown on the attached in Red including the HWY 2 crossing - \$3,147,912 (low bid)
Estimated wetland Credits - \$120,000
Engineering fee as of Oct 2016 - \$609,060
Engineering fee remaining for construction - \$412,760
Total - \$4,289,732

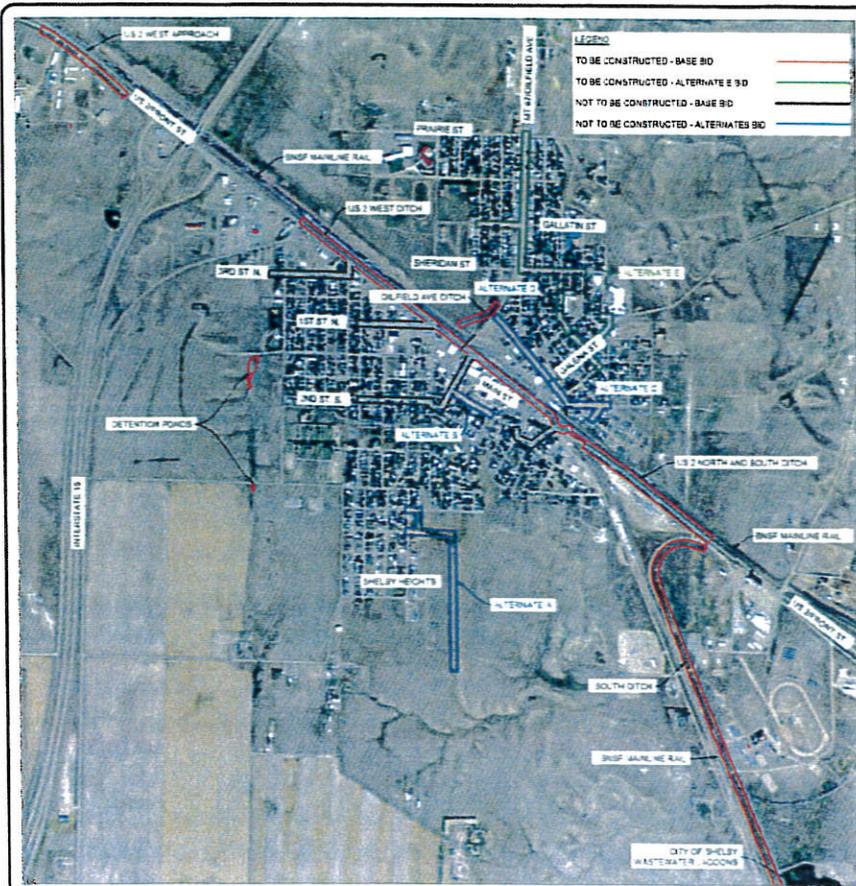
Engineers Estimate for construction in 2017

Engineers Estimate to construct the same - \$3,358,590 (avg bid in 2014 increased to 2017 prices)
Estimated wetland Credits - \$120,000
Engineering fee as of Oct 2016 - \$609,060
Engineering fee remaining for construction - \$412,760
Total - \$4,500,410

-----Original Message-----

From: Larry Bonderud [<mailto:larry@shelbymt.com>]
Sent: Wednesday, November 09, 2016 1:25 PM
To: Jason Crawford <Jason.Crawford@kljeng.com>
Subject: Re: Storm Drainage TSEP project

Yes. Include what you have listed below. Did the TSEP app also include the east end ditch improvements???



KLJ

DATE	REVISION
11/15/18	1
11/15/18	2
11/15/18	3
11/15/18	4
11/15/18	5

RC
 INTL
 18-1021
 03/17/18

SHELBY STORM WATER IMPROVEMENTS
 CITY OF SHELBY
 SHELBY, MISSOURI
CONSTRUCTION EXHIBIT

①

Jade Goroski

From: Larry Bonderud
Sent: Thursday, November 10, 2016 2:34 PM
To: Jade Goroski
Subject: Fwd: Storm Drainage TSEP project
Attachments: 4-Construction Exhibit.pdf; ATT00001.htm

Base new costs on this.

Sent from my iPhone

Mayor Lar

Begin forwarded message:

From: "Jason Crawford" <Jason.Crawford@kljeng.com>
To: "Larry Bonderud" <larry@shelbysmt.com>
Cc: "Brad Koon" <brad.koon@kljeng.com>
Subject: RE: Storm Drainage TSEP project

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Total - \$4,289,732

- 625,000 TSEP
- 100,000 MDOT
3,564,732

Engineers Estimate for construction in 2017

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-----Original Message-----

From: Larry Bonderud [<mailto:larry@shelbysmt.com>]
Sent: Wednesday, November 09, 2016 1:25 PM
To: Jason Crawford <Jason.Crawford@kljeng.com>
Subject: Re: Storm Drainage TSEP project

Yes. Include what you have listed below. Did the TSEP app also include the east end ditch improvements???

RAFTELIS FINANCIAL CONSULTANTS

11/17/2016

DOR PROPERTY TYPE	Proposed Annual Stormwater Fee	Proposed Monthly Stormwater Fee	# of Properties	Annual Revenue
AR - Agricultural Rural	226.00	18.83	12	2,712.00
CN - Centrally Assessed Non-Valued Property	165.00	13.75	4	660.00
CR - Commercial Rural	1,130.00	94.17	9	10,170.00
CU - Commerical Urban	444.00	37.00	207	91,908.00
EP - Exempt Property	862.00	71.83	113	97,406.00
FR - Farmstead Rural	293.00	24.42	1	293.00
RR - Residential Rural	73.00	6.08	13	949.00
RU - Residential Urban	73.00	6.08	1053	76,869.00
VR - Vacant Land Rural	55.00	4.58	4	220.00
VU - Vacant Land Urban	44.00	3.67	244	10,736.00
				\$ 291,923.00

FLAT RATE OPTION WITH ALL PROPERTIES					ANNUAL REVENUE	\$279,804.51
Account Type	SQ FT	Accounts	Monthly/Tax Bill	Total Fee	ANNUAL PAYMENT	\$183,182.46
Residential Metered		998	\$14.00	\$167,664.00		\$96,622.05
Non Residential Metered		196	\$37.00	\$87,024.00		
Non Metered Property	13176604		\$0.0025	\$25,116.51		
CAP GEO CODE AT \$625						
				\$279,804.51		

This option deletes City/County/School/Church Property

ERU Rate Option #3 Years 2+ (2017 and forward starting in June)				Year 1	Year 2	Year 3+
Account Type	ERU Value	ERU's	Total Fee			
Residential Metered	\$95	998	\$94,810.00	\$0.00	\$288,609.80	\$288,609.80
Non Residential Metered	\$95	1,849	\$175,655.00			
Non Metered Property			\$18,144.80			
rate .0025 per square foot capped at \$625						
1 ERU = 3,000 square feet of impervious area. All single family residential = 1 ERU = \$95/annual						
All non-residential metered = square feet of impervious area divided by 3,000 = xxx ERU's						

Loan Amortization Schedule

Enter values	
Loan amount	\$ 3,850,000.00
Annual interest rate	2.50 %
Loan period in years	30
Number of payments per year	2
Start date of loan	1/1/2019
Optional extra payments	

Loan summary	
Scheduled payment	\$ 91,591.23
Scheduled number of payments	60
Actual number of payments	60
Total early payments	\$ -
Total interest	\$ 1,645,473.85

Lender name:

Pmt. No.	Payment Date	Beginning Balance	Scheduled Payment	Extra Payment	Total Payment	Principal	Interest	Ending Balance	Cumulative Interest
1	7/1/2019	\$ 3,850,000.00	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 43,466.23	\$ 48,125.00	\$ 3,806,533.77	\$ 48,125.00
2	1/1/2020	\$ 3,806,533.77	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 44,009.56	\$ 47,581.67	\$ 3,762,524.21	\$ 95,706.67
3	7/1/2020	\$ 3,762,524.21	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 44,559.68	\$ 47,031.55	\$ 3,717,964.53	\$ 142,738.22
4	1/1/2021	\$ 3,717,964.53	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 45,116.67	\$ 46,474.56	\$ 3,672,847.86	\$ 189,212.78
5	7/1/2021	\$ 3,672,847.86	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 45,680.63	\$ 45,910.60	\$ 3,627,167.23	\$ 235,123.38
6	1/1/2022	\$ 3,627,167.23	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 46,251.64	\$ 45,339.59	\$ 3,580,915.58	\$ 280,462.97
7	7/1/2022	\$ 3,580,915.58	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 46,829.79	\$ 44,761.44	\$ 3,534,085.80	\$ 325,224.41
8	1/1/2023	\$ 3,534,085.80	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 47,415.16	\$ 44,176.07	\$ 3,486,670.64	\$ 369,400.49
9	7/1/2023	\$ 3,486,670.64	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 48,007.85	\$ 43,583.38	\$ 3,438,662.79	\$ 412,983.87
10	1/1/2024	\$ 3,438,662.79	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 48,607.95	\$ 42,983.28	\$ 3,390,054.85	\$ 455,967.16
11	7/1/2024	\$ 3,390,054.85	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 49,215.55	\$ 42,375.69	\$ 3,340,839.30	\$ 498,342.84
12	1/1/2025	\$ 3,340,839.30	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 49,830.74	\$ 41,760.49	\$ 3,291,008.56	\$ 540,103.33
13	7/1/2025	\$ 3,291,008.56	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 50,453.62	\$ 41,137.61	\$ 3,240,554.94	\$ 581,240.94
14	1/1/2026	\$ 3,240,554.94	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 51,084.29	\$ 40,506.94	\$ 3,189,470.64	\$ 621,747.88
15	7/1/2026	\$ 3,189,470.64	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 51,722.85	\$ 39,868.38	\$ 3,137,747.80	\$ 661,616.26
16	1/1/2027	\$ 3,137,747.80	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 52,369.38	\$ 39,221.85	\$ 3,085,378.41	\$ 700,838.11
17	7/1/2027	\$ 3,085,378.41	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 53,024.00	\$ 38,567.23	\$ 3,032,354.41	\$ 739,405.34
18	1/1/2028	\$ 3,032,354.41	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 53,686.80	\$ 37,904.43	\$ 2,978,667.61	\$ 777,309.77
19	7/1/2028	\$ 2,978,667.61	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 54,357.89	\$ 37,233.35	\$ 2,924,309.73	\$ 814,543.11
20	1/1/2029	\$ 2,924,309.73	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 55,037.36	\$ 36,553.87	\$ 2,869,272.37	\$ 851,096.98
21	7/1/2029	\$ 2,869,272.37	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 55,725.33	\$ 35,865.90	\$ 2,813,547.04	\$ 886,962.89
22	1/1/2030	\$ 2,813,547.04	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 56,421.89	\$ 35,169.34	\$ 2,757,125.15	\$ 922,132.23
23	7/1/2030	\$ 2,757,125.15	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 57,127.17	\$ 34,464.06	\$ 2,699,997.98	\$ 956,596.29
24	1/1/2031	\$ 2,699,997.98	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 57,841.26	\$ 33,749.97	\$ 2,642,156.73	\$ 990,346.27
25	7/1/2031	\$ 2,642,156.73	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 58,564.27	\$ 33,026.96	\$ 2,583,592.45	\$ 1,023,373.22
26	1/1/2032	\$ 2,583,592.45	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 59,296.33	\$ 32,294.91	\$ 2,524,296.13	\$ 1,055,668.13
27	7/1/2032	\$ 2,524,296.13	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 60,037.53	\$ 31,553.70	\$ 2,464,258.60	\$ 1,087,221.83
28	1/1/2033	\$ 2,464,258.60	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 60,788.00	\$ 30,803.23	\$ 2,403,470.60	\$ 1,118,025.06
29	7/1/2033	\$ 2,403,470.60	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 61,547.85	\$ 30,043.38	\$ 2,341,922.75	\$ 1,148,068.45
30	1/1/2034	\$ 2,341,922.75	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 62,317.20	\$ 29,274.03	\$ 2,279,605.56	\$ 1,177,342.48
31	7/1/2034	\$ 2,279,605.56	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 63,096.16	\$ 28,495.07	\$ 2,216,509.39	\$ 1,205,837.55
32	1/1/2035	\$ 2,216,509.39	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 63,884.86	\$ 27,706.37	\$ 2,152,624.53	\$ 1,233,543.92
33	7/1/2035	\$ 2,152,624.53	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 64,683.42	\$ 26,907.81	\$ 2,087,941.11	\$ 1,260,451.72
34	1/1/2036	\$ 2,087,941.11	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 65,491.97	\$ 26,099.26	\$ 2,022,449.14	\$ 1,286,550.99

Pmt. No.	Payment Date	Beginning Balance	Scheduled Payment	Extra Payment	Total Payment	Principal	Interest	Ending Balance	Cumulative Interest
35	7/1/2036	\$ 2,022,449.14	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 66,310.62	\$ 25,280.61	\$ 1,956,138.52	\$ 1,311,831.60
36	1/1/2037	\$ 1,956,138.52	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 67,139.50	\$ 24,451.73	\$ 1,888,999.02	\$ 1,336,283.33
37	7/1/2037	\$ 1,888,999.02	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 67,978.74	\$ 23,612.49	\$ 1,821,020.28	\$ 1,359,895.82
38	1/1/2038	\$ 1,821,020.28	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 68,828.48	\$ 22,762.75	\$ 1,752,191.80	\$ 1,382,658.58
39	7/1/2038	\$ 1,752,191.80	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 69,688.83	\$ 21,902.40	\$ 1,682,502.97	\$ 1,404,560.97
40	1/1/2039	\$ 1,682,502.97	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 70,559.94	\$ 20,031.29	\$ 1,611,943.03	\$ 1,425,592.26
41	7/1/2039	\$ 1,611,943.03	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 71,441.94	\$ 20,149.29	\$ 1,540,501.08	\$ 1,445,741.55
42	1/1/2040	\$ 1,540,501.08	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 72,334.97	\$ 19,256.26	\$ 1,468,166.12	\$ 1,464,997.81
43	7/1/2040	\$ 1,468,166.12	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 73,239.15	\$ 18,352.08	\$ 1,394,926.96	\$ 1,483,349.89
44	1/1/2041	\$ 1,394,926.96	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 74,154.64	\$ 17,436.59	\$ 1,320,772.32	\$ 1,500,786.47
45	7/1/2041	\$ 1,320,772.32	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 75,081.58	\$ 16,509.65	\$ 1,245,690.74	\$ 1,517,296.13
46	1/1/2042	\$ 1,245,690.74	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 76,020.10	\$ 15,571.13	\$ 1,169,670.64	\$ 1,532,867.26
47	7/1/2042	\$ 1,169,670.64	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 76,970.35	\$ 14,620.88	\$ 1,092,700.30	\$ 1,547,488.15
48	1/1/2043	\$ 1,092,700.30	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 77,932.48	\$ 13,658.75	\$ 1,014,767.82	\$ 1,561,146.90
49	7/1/2043	\$ 1,014,767.82	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 78,906.63	\$ 12,684.60	\$ 935,861.19	\$ 1,573,831.50
50	1/1/2044	\$ 935,861.19	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 79,892.97	\$ 11,698.26	\$ 855,968.22	\$ 1,585,529.76
51	7/1/2044	\$ 855,968.22	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 80,891.63	\$ 10,699.60	\$ 775,076.59	\$ 1,596,229.37
52	1/1/2045	\$ 775,076.59	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 81,902.77	\$ 9,688.46	\$ 693,173.82	\$ 1,605,917.82
53	7/1/2045	\$ 693,173.82	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 82,926.56	\$ 8,664.67	\$ 610,247.26	\$ 1,614,582.50
54	1/1/2046	\$ 610,247.26	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 83,963.14	\$ 7,628.09	\$ 526,284.12	\$ 1,622,210.59
55	7/1/2046	\$ 526,284.12	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 85,012.68	\$ 6,578.55	\$ 441,271.44	\$ 1,628,789.14
56	1/1/2047	\$ 441,271.44	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 86,075.34	\$ 5,515.89	\$ 355,196.10	\$ 1,634,305.03
57	7/1/2047	\$ 355,196.10	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 87,151.28	\$ 4,439.95	\$ 268,044.82	\$ 1,638,744.98
58	1/1/2048	\$ 268,044.82	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 88,240.67	\$ 3,350.56	\$ 179,804.15	\$ 1,642,095.54
59	7/1/2048	\$ 179,804.15	\$ 91,591.23	\$ -	\$ 91,591.23	\$ 89,343.68	\$ 2,247.55	\$ 90,460.47	\$ 1,644,343.09
60	1/1/2049	\$ 90,460.47	\$ 91,591.23	\$ -	\$ 90,460.47	\$ 89,329.72	\$ 1,130.76	\$ -	\$ 1,645,473.85

#	TAX ID	SQUARE FOOTAGE	CUSTOMER NAME	OWNER NAME	SERVICE ADDRESS	Rate	Fee
1	504895	3,000.00	1ST CHOICE PLUMBING	KLUTH INC	228 FRONT ST	95.00	95.00
2	503875	28,770.00	ALBERTSONS INC SITE #614	ALBERTSONS INC SITE #614	130 5TH AVE N		911.05
3	503896	6,300.00	ALIBI LOUNGE	ALIBI LOUNGE	239 MAIN ST		199.50
4	503279.20	25,003.00	ALL SEASON HEATING & AIR CONDITIONING	ALL SEASON HEATING & AIR CONDITIONING	1231 3RD ST N		791.76
5	601041		BAR S FEED LOT (out of city limits)	BAR S FEED LOT	E OF SHELBY		0.00
6	540748	75,358.80	BAY MATERIALS	BRIAN MIDBOE	910 S INDUSTRIAL PARK RD		2,386.36
7	504126	19,780.00	BEAR PAW CREDIT UNION	BEAR PAW CREDIT UNION	840 W ROOSEVELT HWY		626.37
8	503851	8,400.00	BEN TAYLOR INC	BEN TAYLOR INC	101 E MAIN ST (CONVENIENCE STORE)		266.00
9	504124	10,450.00	BEN TAYLOR INC	BEN TAYLOR INC	610, 614 W ROOSEVELT HWY		330.92
10	601103	40,946.40	BEN TAYLOR INC	BEN TAYLOR INC	2002 W ROOSEVELT HWY (BULK PLANT)		1,296.64
11	611081	234,178.56	BEN TAYLOR INC 30/20	BEN TAYLOR INC	2122 W ROOSEVELT HWY (OFFICE)		7,415.65
12	870073	16,500.00	BENT PLEX PROPERTIES	BENT PLEX PROPERTIES	906 OILFIELD AVE		522.50
13	504392	12,765.00	BENJAMIN HARRY	BENJAMIN HARRY	660 TETON AVE (GARAGE)		404.23
14	1050212	43,787.20	BEST WESTERN SHELBY INN & SUITES 50/50	BEST WESTERN SHELBY INN & SUITES	1948 W ROOSEVELT HWY RV RESORT		1,544.93
15	1050112	141,439.32	BEST WESTERN SHELBY INN & SUITES	BEST WESTERN SHELBY INN & SUITES	1948 W ROOSEVELT HWY		4,478.91
16	608260	45,894.82	BIG SKY SEEDS 20/80	BIG SKY SEEDS (Parcel A-1.972ac, Parcel C-3.296ac)	2110 W ROOSEVELT HWY		1,453.34
17	503219	1,487.50	BIO TUNE-UP	BIO TUNE-UP	117 5TH AVE N		47.10
18	880600	673,306.44	BNSF +65,3159 klt figure	BNSF	120 E CENTRAL, 230, 420 W CENTRAL AVE		21,337.20
19	504153	902.00	BRANDY STAR	TOM FLYNN	203 MINERAL ST		28.56
20	503636	4,173.00	BRIAN MIDBOE	BRIAN MIDBOE	206 MAIN ST STE 1 & 2		132.15
21	504201	7,700.00	BUSY BEE DAYCARE	BUSY BEE DAYCARE	103 W DAWSON AVE		243.83
22	607981		CCC (out of drainage area)	CROSSROAD CORRECTIONAL CENTER	50 CROSSROADS DR		0.00
23	503057	46,830.00	CENTURY GAMING	CENTURY GAMING	144 SE FRONT ST		1,482.95
24	710892	25,264.80	CHS INC	CHS INC	920 E ROOSEVELT HWY (S SIDE OF HWY) ELE		800.05
25	890023	0.00	CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS	CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS	914 WESTWOOD AVE		0.00
26	503640	6,000.00	CINDERELLA SHOPPE	GENE FLESCH	238 MAIN ST		190.00
27	540632		CIRCLE 7K CORP (out of drainage area)	CIRCLE 7K CORP	25 AIRPORT ROAD		0.00
28	890035	0.00	CITY-CITY HALL OFFICE	CITY-CITY HALL OFFICE	112 1ST ST S		0.00
29	503639	0.00	CITY-CITY OF SHELBY WILLIAMSON COMPLEX	CITY-CITY OF SHELBY	222, 224, 228, 230 MAIN ST		0.00
30	890028	0.00	CITY-CIVIC CENTER	CITY-CIVIC CENTER	669 PARK AVE		0.00
31	890028	0.00	CITY-HISTORIC CITY HALL	CITY-HISTORIC CITY HALL	100 MONTANA AVE		0.00
32	636210	0.00	CITY-SHOP	CITY-SHOP 1	66 CITY SHOP RD		0.00
33	636210	0.00	CITY-SWIMMING POOL & BATH HOUSE 2+75	CITY-SWIMMING POOL & BATH HOUSE	121 12TH AVE N		0.00
34	1001076.20	101,930.40	COMFORT INN	SHELBY TOWNHOUSE INNS (PARKING LOT #1)	455 MCKINLEY AVE ADDITION		3,227.80
35	1001076.30	27,573.48	COMFORT INN	SHELBY TOWNHOUSE INNS (PARKING LOT #2)	455 MCKINLEY AVE		873.16
36	1001076.10	209,523.60	COMFORT INN 50/50 Includes rv park	TOWNHOUSE INN (MOTEL) includes rv park	455 MCKINLEY AVE		6,634.91
37	504294	3,750.00	COOPER & BROWN LLC 75/25	COOPER & BROWN LLC	709 OILFIELD AVE		308.75
38	870000		COUNTY-AIRPORT (out of drainage area)	COUNTY-CITY/COUNTY AIRPORT	60 AIRPORT ROAD		0.00

#	TAX ID	SQUARE FOOTAGE	CUSTOMER NAME	OWNER NAME	SERVICE ADDRESS	Rate	Fee
39	890172	0.00	COUNTY-MARIAS FAIR GROUNDS 25775	COUNTY-MARIAS FAIR GROUNDS	619 & 621 MARIAS FAIR RD		0.00
40	890035.09	0.00	COUNTY-MARIAS HERITAGE CENTER	COUNTY-MARIAS HERITAGE CENTER	111 2ND ST S (HHC HOUSING)		0.00
41	890035.030	0.00	COUNTY-MARIAS MEDICAL CENTER	COUNTY-MARIAS MEDICAL CENTER	640 PARK AVE		0.00
42	890035.080	0.00	COUNTY-MARIAS MUSEUM OF HISTORY & ART	COUNTY-MARIAS MUSEUM OF HISTORY & ART	1129 1ST ST N		0.00
43	503224	0.00	COUNTY-NORTHERN TRANSIT INTERLOCAL	COUNTY-NORTHERN TRANSIT INTERLOCAL	135 5TH AVE N		0.00
44	890035.020	0.00	COUNTY-SHELBY SENIOR CITIZENS CENTER	COUNTY-SHELBY SENIOR CITIZENS CENTER	739 BENTON AVE		0.00
45	890035.060	0.00	COUNTY-TOOLE COUNTY COURTHOUSE	COUNTY-TOOLE COUNTY COURTHOUSE	226 1ST ST S		0.00
46	890035.070	0.00	COUNTY-TOOLE COUNTY JAIL	COUNTY-TOOLE COUNTY JAIL	235 DEER LODGE AVE		0.00
47	890016	0.00	COUNTY-TOOLE COUNTY NURSE	COUNTY-TOOLE COUNTY COURTHOUSE	402 1ST ST S		0.00
48	890035.010	0.00	COUNTY-TOOLE COUNTY SEARCH & RESCUE	COUNTY-TOOLE COUNTY SEARCH & RESCUE	235 W CENTRAL AVE		0.00
49	890035.040	0.00	COUNTY-TOOLE COUNTY SHOP	COUNTY-TOOLE COUNTY SHOP	205 CARBON ST		0.00
50	503267	117,506.25	CROSSROADS INN 90.10	ARC HOSPITALITY LLC	1200 W ROOSEVELT HWY		3,721.03
51	503480	13,200.00	CULLIGAN WATER CONDITIONING	CULLIGAN WATER CONDITIONING	824 OILFIELD AVE		418.00
52	503795	15,406.50	DABUCHA'S OUTDOORS LLC 90.50	TERRELL COTTERELL	501 GLACIER AVE		487.87
53	504134	12,847.50	DASH-IN	VINCENT FLESCH	702 W ROOSEVELT HWY		406.84
54	503643	4,200.00	DEVINE BROS DISTRIBUTING INC	DEVINE BROS DISTRIBUTING INC	300 MAIN ST		133.00
55	608330	35,000.00	DICK IRVIN INC	DICK IRVIN INC	475 WILSON AVE		1,108.33
56	501744	27,000.00	DICK IRVIN INC	DICK IRVIN INC	515 WILSON AVE (SHOP)		855.00
57	608330	108,900.00	DICK IRVIN INC 25.75	DICK IRVIN INC	1206 SE FRONT ST		3,448.50
58	503596	50,303.00	DIXIE INN INC	DIXIE INN INC	1250 W ROOSEVELT HWY		1,592.93
59	504386	5,400.00	DON FISHER	DON FISHER	151 1ST ST S		171.00
60	890128		DOUBLE BOGEY LLC (city property)	CITY-CITY OF SHELBY	845 S INDUSTRIAL PARK RD		0.00
61	502990	20,000.00	DR ROCK SVENNUNGSSEN 30/20	DR ROCK SVENNUNGSSEN	925 OILFIELD AVE		633.33
62	610410	52,446.00	EAGLE BEVERAGE	EAGLE BEVERAGE	400 INDUSTRIAL PARK RD - TRACT 4A		1,660.79
63	503048	8,750.00	EAST END CAR WASH	EAST END CAR WASH	125 SE FRONT ST		277.08
64	503483	11,000.00	ED & MELODY FLESCH	ED & MELODY FLESCH	870 OILFIELD AVE		348.33
65	503901	4,176.00	ELISHA DEMPSEY	ELISHA DEMPSEY	300 FRONT ST		132.24
66	503883	5,344.00	ELKS CLUB	ELKS CLUB	137 MAIN ST		169.23
67	503614	25,264.80	FEDERAL-U.S. POST OFFICE	WET DUCK LLC	145 1ST ST SE		800.05
68	504365	7,793.00	FIRST AMERICAN TITLE	FIRST AMERICAN TITLE	116 2ND AVE S		246.78
69	890021	0.00	FIRST BAPTIST CHURCH	FIRST BAPTIST CHURCH	751 MARIAS AVE		0.00
70	890024	0.00	FIRST BAPTIST CHURCH	FIRST BAPTIST CHURCH	801 MARIAS AVE		0.00
71	503891	5,076.00	FIRST NATIONAL PAWN	FIRST NATIONAL PAWN	209 MAIN ST		160.74
72	503645	25,200.00	FIRST STATE BANK	FIRST STATE BANK	330 MAIN ST		798.00
73	661087		FLESCH FARMS INC. (out of city limits)	FLESCH FARMS INC.	10 N INDUSTRIAL PARK RD		0.00
74	504368	5,400.00	GARY MCDERMOTT CPA	GARY MCDERMOTT CPA	201 1ST ST S		171.00
75	503885	2,373.00	GASCO DRILLING LLC	GASCO DRILLING LLC	147 MAIN ST		75.15
76	503900	9,036.00	GASCO DRILLING LLC	GASCO DRILLING LLC	330 FRONT ST		286.14

#	TAX ID	SQUARE FOOTAGE	CUSTOMER NAME	OWNER NAME	SERVICE ADDRESS	Rate	Fee
77	503649	12,600.00	GENERAL PARTS INC SITE # 3130	GENERAL PARTS INC SITE #3130	430 MAIN ST		399.00
78	504146	33,350.00	GLACIER MOTEL	ROSS & JEAN MCFEE	744 W ROOSEVELT HWY		1,056.08
79	503603	10,500.00	GLACIER MOTEL CABINS	ROSS & JEAN MCFEE	328 8TH AVE N		332.50
80	503481	22,000.00	GOPHER INVESTMENTS LLC	DOUBLE BOGEY LLC	840 OILFIELD AVE		696.67
81	504154	3,620.00	GREAT NORTHERN RENTALS INC	GREAT NORTHERN RENTALS INC	211 W CENTRAL AVE (STORAGE UNITS)		114.63
82	503899	22,050.00	GRIDDLE/CEDAR/PRAIRIE/CREATIVE/LIQ/NRTHWN	LARSON BROTHERS INC	311-333 MAIN ST		698.25
83	503629	13,629.60	H O MOTOR SUPPLY	H O MOTOR SUPPLY	100 MAIN ST		431.60
84	600081		HANNA'S HILINE PROCESSING (out of city limits)	MARIAS ENTERPRISES	1316 SE FRONT ST		0.00
85	503637	5,907.00	HB LLC DBA SPORTS CLUB	HB LLC	210 MAIN ST		187.06
86	601189		HENKE FARMS INC (out of city limits)	HENKE FARMS INC	2474 MARIAS VALLEY RD		0.00
87	504394	6,731.00	HI LINE FLOOR CARE	HI LINE FLOOR CARE	1229 3RD ST N		213.15
88	503050	22,232.00	HI LINE REDI-MIX LLC	HI LINE REDI-MIX LLC	220 SE FRONT ST		704.01
89	600330	217,800.00	HI LINE REDI-MIX LLC (MIXING PLANT)	STEVE WILLIAMSON	230 SE FRONT ST		6,897.00
90	503106	9,383.00	HIGHLANDER CENTER	DARRYL VANDE KOP	746 OILFIELD AVE		297.13
91	503282	8,400.00	HILINE MASONRY	CHISHOLM BROS	425 12TH AVE N		266.00
92	503284	7,200.00	HILINE MASONRY	DON CHISHOLM	439 12TH AVE N		228.00
93	503828	9,600.00	HORIZON TRAILER PARK 50/50	HORIZON TRAILER PARK	348 TREASURE AVE, OFFICE		304.00
94	540676		HUMIC (out of drainage area)	HUMIC	26190 US HIGHWAY 2		0.00
95	503189	6,851.00	HUNT, WILLIAM	HUNT, WILLIAM	735 2ND ST S (GARAGE)		216.95
96	609530	79,976.16	I & T TRANSFER 90/10	DICK IRVIN INC	2070 W ROOSEVELT HWY		2,532.58
97	503117	54,000.00	DICK IRVIN (STEVE BEBICH)	DICK IRVIN INC	601 WILSON AVE (SHOP & PARKING)		1,710.00
98	503592	18,750.00	IRVIN INC & MICO	DICK IRVIN INC	1450 W ROOSEVELT HWY (OLD OFFICE)		593.75
99	1012661	25,000.00	J AND J STOKES LLP	J AND J STOKES LLP	650 MARIAS AVE		791.67
100	607996	41,469.12	J AND J STOKES LLP 70/30	J AND J STOKES LLP	1135 OILFIELD AVE		1,313.19
102	890128		KEVIN DISTRIBUTING (city property)	CITY-CITY OF SHELBY	555 E INDUSTRIAL PARK RD		0.00
103	503644	4,200.00	KLUTH INC	KLUTH INC	304 MAIN ST		133.00
104	503854	3,150.00	KLUTH INC	KLUTH INC	124 4TH AVE S		99.75
105	503884	4,961.00	KLUTH INC	KLUTH INC	MAIN ST (LOT BETWEEN ELKS & GASCO)		157.10
106	504369	7,200.00	KOW LOON INC	KOW LOON INC	1ST ST S (PARKING LOT)		228.00
107	600120		NORTHERN SEEDS LLC (out of Drainage Area)	NORTHERN SEEDS LLC	200 MARIAS FAIR RD		0.00
108	503481	22,000.00	KSEN - K96	KSEN - K96	830 OILFIELD AVE		696.67
109	503888	4,620.00	LARSON CLOTHING	LARSON BROTHERS INC	159 MAIN ST		146.30
110	503634	8,400.00	LEE LAW OFFICE PC	LEE LAW OFFICE PC	158 MAIN ST		266.00
111	713275	99,643.50	LEWIS & CLARK RV PARK 15/75	LEWIS & CLARK RV PARK	1535 OILFIELD AVE		3,155.38
112	1001072	43,995.60	M & O FARM SUPPLY	M & O FARM SUPPLY	1125 OILFIELD AVE		1,393.19
113	502953	12,500.00	MARIAS HEALTHCARE	MARIAS HEALTHCARE	865 OILFIELD AVE		395.83
114	502955	18,750.00	MARIAS HEALTHCARE	MARIAS HEALTHCARE	825 OILFIELD AVE (AMBULANCE)		593.75
115	503877	5,313.00	MARIAS MUSEUM	MARIAS MUSEUM	101 MAIN ST		168.25

#	TAX ID	SQUARE FOOTAGE	CUSTOMER NAME	OWNER NAME	SERVICE ADDRESS	Rate	Fee
116	503879	2,988.00	MARIAS REALTY CORP	MARIAS REALTY CORP	111 MAIN ST		94.56
117	504140	78,408.00	MARIAS RIVER ELECTRIC 90/10	MARIAS RIVER ELECTRIC	910 W ROOSEVELT HWY (OFFICE)		2,482.92
118	504140	117,612.00	MARIAS RIVER ELECTRIC 90/10	MARIAS RIVER ELECTRIC	1080 W ROOSEVELT HWY (SHOP)		3,724.38
119	890128		MARIAS VETERINARY CLINIC (city property)	CITY-CITY OF SHELBY	955 S INDUSTRIAL PARK RD		0.00
120	504220	22,957.00	MARKS TIRE & ALIGNMENT	MARK MCALLISTER	202 GALENA ST		726.97
121	504212	7,618.00	MARKUSON LYN 80/20	MARKUSON LYN	MINERAL ST (OLD SHOP)		241.17
122	503881	3,395.00	MCR PARTNERSHIP	MCR PARTNERSHIP	121 MAIN ST		107.51
123	503889	4,760.00	MERCANTILE MALL	KLUTH INC	201 MAIN ST		150.73
124	504025	9,375.00	MERCER GARY	MERCER GARY	985 OILFIELD AVE (GARAGE)		296.88
125	890017	0.00	METHODIST CHURCH	METHODIST CHURCH	235 4TH AVE S		0.00
126	503279	57,281.40	MIDWAY RENTAL	MIDWAY RENTAL	2482 MARIAS VALLEY RD		1,813.91
127	503638	6,720.00	MINT BAR	LI CHEN	220 MAIN ST		212.80
128	503893	5,406.00	MONTANA CLUB	DINA HOUSE	221 MAIN ST		171.19
129	890013	0.00	MONTANA HIGHWAY DEPARTMENT	MONTANA HIGHWAY DEPARTMENT	1750 W ROOSEVELT HWY (MAINTENANCE SHC		0.00
130	601326	243,064.80	MOUNTAIN VIEW RELOAD (property owned by NETA)	MOUNTAIN VIEW RELOAD (USA) INC	680 E ROOSEVELT HWY		7,697.05
131	890018	0.00	NEWLIFE COMMUNITY CHURCH	NEWLIFE COMMUNITY CHURCH	111 GALLATIN ST		0.00
132	503265	23,030.00	NOON'S	NOON'S	602 ROOSEVELT HWY		729.28
133	504215	12,750.00	NORMAN SEYMOUR	NORMAN SEYMOUR	117 W CENTRAL AVE		403.75
134	503479	8,800.00	OBER BEN	OBER BEN	455 GALLATIN ST (GARAGE)		278.67
135	504214	3,831.00	OASIS BAR	TOM FLYNN	111 W CENTRAL AVE		121.32
136	503063	40,200.00	OHAIRE MANOR MOTEL	RISHI CHAMPANERIA	204 2ND ST S		1,273.00
137	503275	11,364.00	PEPSI-COLA OF SHELBY	PEPSI-COLA BOTTLING CO	332 11TH AVE N		359.86
138	502956	12,500.00	PETES NORTHSIDE GARAGE	PETE PEDERSON	807 OILFIELD AVE		395.83
139	503273	29,155.00	PIZZA HUT	PIZZA HUT	1100 W ROOSEVELT HWY		923.24
140	503895	5,400.00	POLSON THEATERS	POLSON THEATERS	231 MAIN ST		171.00
141	502954	6,250.00	PYETT KIM I	PYETT KIM I	837 OILFIELD AVE (WHITT TRUCKING)		197.92
142	503886	3,618.00	QUANTUM CO	QUANTUM CO	153 MAIN ST		114.57
143	504508	8,400.00	QUILT WITH CLASS	KLUTH INC	131 4TH AVE S		266.00
144	503646	16,800.00	RAINBOW CONOCO	RAINBOW CONOCO	414 MAIN ST		532.00
145	503871	3,675.00	RANDALL REASCH	RANDALL REASCH	413 MAIN ST		116.38
146	514518	24,150.00	RINGSIDE RIBS	GARY & BARB HARMON	439 HARDING AVE		764.75
147	503648	8,400.00	RON MCPHILLIPS	RON MCPHILLIPS	424 MAIN ST		266.00
148	890128		RYDER SYSTEMS (city property)	D.S.D. PROPERTIES LLC	450 INDUSTRIAL PARK (BOILER)		0.00
149	890128		RYDER SYSTEMS (city property)	CITY-CITY OF SHELBY	450 N INDUSTRIAL PARK RD - TRACT 3A		0.00
150	503892	5,241.00	SALON MOSAIC/SMILE SHOP	LARSON BROTHERS INC	213 MAIN ST		165.97
151	890046	14,049.00	SAMUEL 03 STEWART	SAMUEL STEWART	124 MONTANA AVE		444.89
152	504115	0.00	SCHOOLS- SHELBY BUS BARN	SCHOOLS- SHELBY BUS BARN	1010 OILFIELD AVE		0.00
153	890030	0.00	SCHOOLS-SHELBY FOOTBALL FIELD RESTROOMS 25/75	SCHOOLS-SHELBY FOOTBALL FIELD RESTROOMS	950 VALLEY ST		0.00

#	TAX ID	SQUARE FOOTAGE	CUSTOMER NAME	OWNER NAME	SERVICE ADDRESS	Rate	Fee
154	890301	0.00	SCHOOLS-SHELBY HIGH SCHOOL/ELEMENTARY	SCHOOLS-SHELBY HIGH SCHOOL	901, 1001 VALLEY ST		0.00
155	503897	5,663.00	SEUBERT INSURANCE	SEUBERT INSURANCE	234 FRONT ST		179.33
156	890020	0.00	SEVENTH DAY ADVENTIST CHURCH	SEVENTH DAY ADVENTIST CHURCH	772 TETON AVE		0.00
157	503815	6,038.00	SHELBY CREDIT UNION	SHELBY CREDIT UNION	121 1ST AVE SE		191.20
158	503887	4,463.00	SHELBY FLORAL & GIFT	SHELBY FLORAL & GIFT	157 MAIN ST		141.33
159	503304	7,764.00	SHELBY GAS ASSOCIATION	SHELBY GAS ASSOCIATION	330 10TH AVE N (NEW SHOP)		245.86
160	503639	4,740.00	SHELBY GLASS & OFFICE SUPPLY	PAT MCDONOUGH	140 MAIN ST		150.10
161	504213	11,169.00	SHELBY PAINT AND HARDWARE	KEVIN & ELAINE MITCHELL	105 W CENTRAL AVE		353.89
162	503894	5,905.00	SHELBY PROMOTER INC	SHELBY PROMOTER INC	225 MAIN ST		186.99
163	504367	5,400.00	SHELBY PROMOTER INC	BRIAN KAVANAGH	119 2ND AVE S		171.00
164	503958	12,500.00	SHELBY RIFLE AND PISTOL CLUB	SHELBY RIFLE AND PISTOL CLUB	714 ASH AVE		395.83
165	503285	7,800.00	SHELBY SPEEDY LUBE	ED GARDIPEE	445 12TH AVE N		247.00
166	503218	9,870.00	SHERLOCK MOTEL	SONJA WILSON	133 5TH AVE S		312.55
167	1050111	200,942.28	SHOPKO - HOMETOWN #766	SHOPKO - HOMETOWN #766	1950 W ROOSEVELT HWY		6,363.17
168	503166	21,862.45	SIMONS PETROLEUM	SIMONS PETROLEUM	525 1ST ST N		692.31
169	619271	79,061.40	SIMONS PETROLEUM BULK PLANT 50/50	SIMONS PETROLEUM BULK PLANT	428 13TH ST SE		2,503.81
170	503882	4,710.00	SITE #50 WELLS FARGO BANK	SITE #50 WELLS FARGO BANK	131 MAIN ST		149.15
171	503630	7,008.60	SITE 51 WELLS FARGO BANK	SITE 51 WELL FARGO BANK	136 MAIN ST (DRIVE-IN)		221.94
172	890022	0.00	ST LUKES LUTHERAN CHURCH	ST LUKES LUTHERAN CHURCH	222 2ND AVE S		0.00
173	503221	0.00	ST WILLIAMS CATHOLIC CHURCH	ST WILLIAMS CATHOLIC CHURCH	521 MAIN ST		0.00
174	890027	0.00	ST WILLIAMS PARISH HALL	ST WILLIAMS PARISH HALL	534 MAIN ST		0.00
175	504364	10,794.00	STATE FARM INSURANCE	STATE FARM INSURANCE	111 1ST ST S		341.81
176	503642	4,200.00	TAP ROOM	GARY & BARB HARMON	240 MAIN ST		133.00
177	608080	22,000.00	TAYLOR OPERATING INC	TAYLOR OPERATING INC	1140 OILFIELD AVE		696.67
178	503493	22,000.00	TEN PIN ALLEY	TEN PIN ALLEY	962 OILFIELD AVE		896.87
179	503162	9,375.00	THE GRAND SALON 50/50	TERESA KELLEHER	945 OILFIELD AVE		296.88
180	503635	4,200.00	TIBER AGENCY	TIBER AGENCY	202 MAIN ST		133.00
181	504380	14,240.00	TOTEM MOTEL	JIM ANDERSON	730 OILFIELD AVE		450.93
182	503904	146,614.00	TOWN PUMP	TOWN PUMP	1350 W ROOSEVELT HWY		4,642.78
183	504293	33,562.50	TUNGSTEN PROPERTIES LLC	TUNGSTEN PROPERTIES LLC	745 OILFIELD AVE (NAPA STORE)		1,062.81
184	504292	15,625.00	TUNGSTEN PROPERTIES LLC	TUNGSTEN PROPERTIES LLC	761 OILFIELD AVE (SHOP)		494.79
185	503906	14,486.00	TUNGSTEN PROPERTIES LLC	TUNGSTEN PROPERTIES LLC	405 OILFIELD AVE (APT COMPLEX)		458.72
186	503105	4,125.00	TUNGSTEN PROPERTIES LLC 25/75	TUNGSTEN PROPERTIES LLC	742 OILFIELD AVE (VACANT LOTS)		130.63
187	504130	5,500.00	TUNGSTEN PROPERTIES LLC	TUNGSTEN PROPERTIES LLC	OILFIELD AVE (VACANT LOT)		174.17

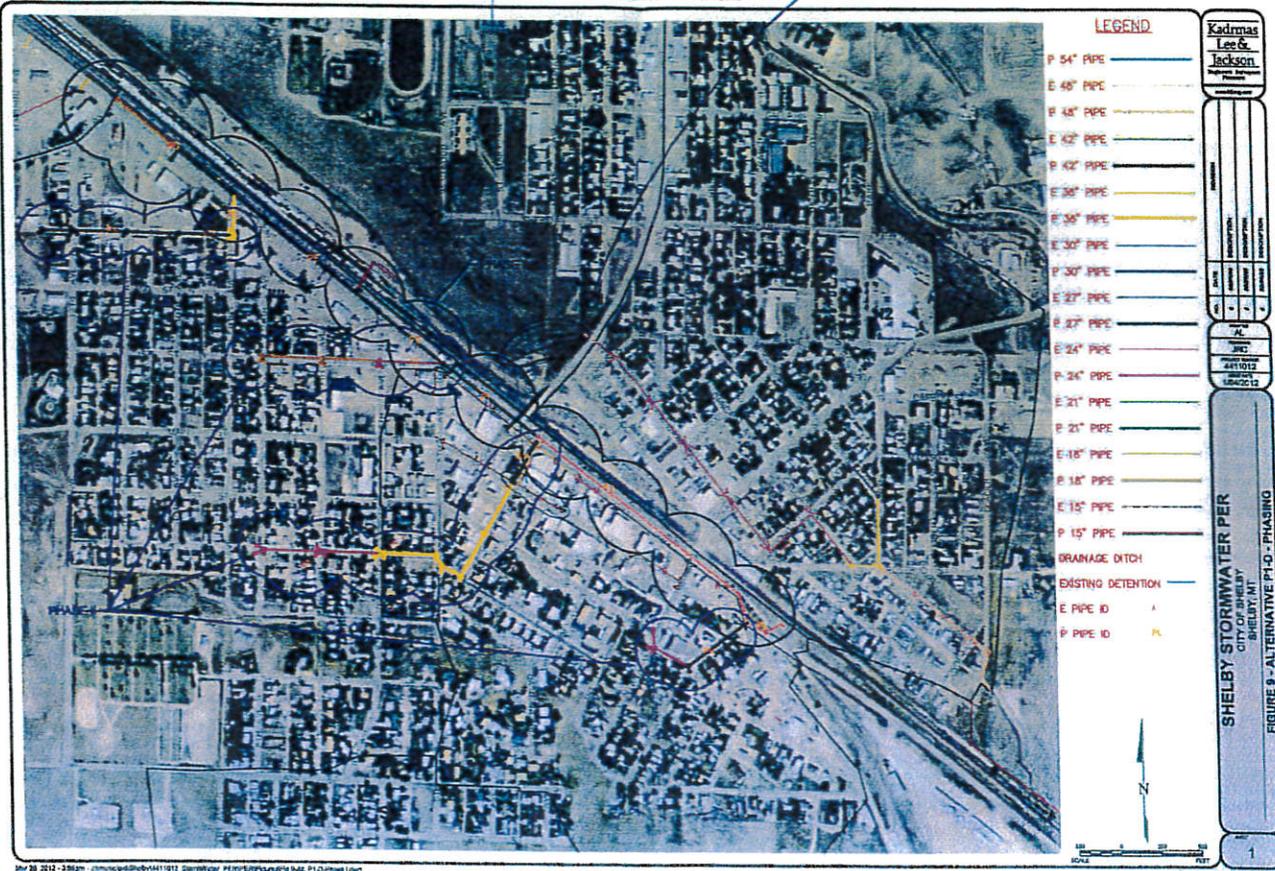
#	TAX ID	SQUARE FOOTAGE	CUSTOMER NAME	OWNER NAME	SERVICE ADDRESS	Rate	Fee
188	503853	2,100.00	TURNER-IVERSON OFFICE BLDG	TURNER-IVERSON OFFICE BLDG	118 4TH AVE S		66.50
189	504352	5,460.00	TURNER-IVERSON OFFICE BLDG 85/35	TURNER-IVERSON OFFICE BLDG	301 1ST ST S		172.90
190	503898	7,350.00	US BANCORP	US BANK	301 MAIN ST		232.75
191	870028	16,800.00	US WEST/QWEST	US WEST/QWEST	320 1ST ST S		532.00
192	870127		WESTERN AREA POWER ADMIN (out of city limits)	WESTERN AREA POWER ADMINISTRATION	91 SIMONS RD		0.00
193	504370	15,000.00	WESTERN NATURAL GAS CO	WESTERN NATURAL GAS CO	225 1ST ST S		475.00
194	503176	13,244.00	WHITTED FUNERAL CHAPEL INC	JIM ASPER	225 6TH AVE S		419.39
		4,828,684.78					152,908.35
186	503616	6,300.00	CEDAR APARTMENTS	102001.00	130 MONTANA AVE		199.50
187	503619	7,000.00	DONITA HADFORD - APTS	102004.00	215 MONTANA AVE		221.67
188	503874	25,852.83	O'HAIRE - ALBERTSONS PARKING LOT		130 5TH AVE N		818.67
189	600120	43,560.00	NORTHERN SEEDS		200 MARIAS FAIR RD		1,379.40
190	503155	38,849.00	PLUM TREE APTS	102067.10	203 PLUM ST		1,230.22
191	504345	3,850.00	DOBYNS APTS	105038.00	412 OILFIELD AVE		121.92
192	504117	65,000.00	CROSSROADS HSG #1	105081.70	211 GALLATIN ST		2,058.33
193	503083	35,022.00	MARIAS MANOR	105082.40	208 GALLATIN ST		1,109.03
194	503084	27,300.00	CROSSROADS HSG #2	105082.50	738 GRANITE AVE		864.50
195	503728	10,800.00	NEVA ESTATE APTS	105104.00	645 PARK AVE		342.00
196	504267	6,000.00	JIM ANDERSON	106054.00	306 CHOTEAU ST		190.00
197	504218	4,560.00	JAMMM INC - OLD OIL CITY APTS	106077.00	130 W DAWSON AVE		144.40
198	503222	10,675.00	PETERSEN - CHATEAU APTS	107014.00	120 6TH AVE N		338.04
199	503367	16,800.00	CUT BANK DESIGN & DEV	107133.00	138 10TH AVE N		532.00
200	503233	19,600.00	MERIT PROPERTIES - HOMETOWN APTS	107213.00	722 1ST ST N		620.67
201	503654	9,800.00	BOB & JUDY RICHMAN - APTS	108044.10	333 5TH AVE S		310.33
202	503216	14,805.00	J & J RENTALS - OLD WILLIAMS COURT	108079.00, 108081.00, 108082.00, 108083.00	511, 515, 517, 523 1ST ST S		468.83
203	504342	12,500.00	RLS PROPERTIES - SHERIDAN APTS	109007.10	526 SHERIDAN ST		395.93
204	503471	6,600.00	BOOTLEGGERS RENTALS - APTS	109014.90	424 VALLEY ST		209.00
205	503101	12,650.00	FRYDENLUND LLC - OLD FLESCHE APTS	109018.00	745 HILL AVE		400.58
206	504302	9,375.00	TOKERUD RENTALS - APTS	109032.00	763 TETON AVE		296.88
207	540621	35,150.00	SWEEGRASS DEVELOPMENT	109068.01, 109068.02	720, 736 ST MARY AVE		1,113.08
208	715702	54,014.40	WESTWOOD LLC	109068.10	770 WESTWOOD AVE		1,710.46
209	502952	18,750.00	TOWNHOUSE APTS	109093.10	875 OILFIELD AVE		593.75
210	503277	12,600.00	KEN FLESH APTS	109161.00	417 11TH AVE N		399.00
211	504291	211,200.00	WATKINS DEV - SENTINEL COURT	109188.00, 109189.00, 109189.10	1001 OILFIELD AVE		6,688.00
		718,613.23	SUBTOTAL				22,756.09
		5,547,298.01	TOTAL				175,664.44

West side approach

Main Street

seize pond

FIGURE 9 - ALTERNATIVE P1-D - PHASING



- LEGEND**
- P 54" PIPE
 - E 48" PIPE
 - P 48" PIPE
 - E 42" PIPE
 - P 42" PIPE
 - E 36" PIPE
 - P 36" PIPE
 - E 30" PIPE
 - P 30" PIPE
 - E 27" PIPE
 - P 27" PIPE
 - E 24" PIPE
 - P 24" PIPE
 - E 21" PIPE
 - P 21" PIPE
 - E 18" PIPE
 - P 18" PIPE
 - E 15" PIPE
 - P 15" PIPE
 - DRAINAGE DITCH
 - EXISTING DETENTION
 - E PIPE ID
 - P PIPE ID

Kadmas Lee & Jackson
 ENGINEERS
 1000 N. 10TH ST.
 SHELBY, MT 59601
 TEL: 406.326.1111
 FAX: 406.326.1112
 WWW: WWW.KLJENR.COM

**SHELBY STORMWATER PER
 CITY OF SHELBY, MT**

FIGURE 9 - ALTERNATIVE P1-D - PHASING

1

2

Lori Stratton

From: Larry Bonderud
Sent: Friday, October 28, 2016 1:48 PM
To: Lori Stratton
Subject: Fwd: 4414020 - Shelby Wastewater Treatment Facility Upgrade - Revised Cost Estimate
Attachments: image002.jpg; ATT00001.htm;
4414020ShelbyWWTFExpansionCostEstimate-20161028.pdf; ATT00002.htm; Estimates
from 4413024_Shelby Wastewater PER.pdf; ATT00003.htm

Packets.

Sent from my iPhone

Mayor Lar

Begin forwarded message:

From: Andy Evensen <andy.evensen@klijeng.com>
Date: October 28, 2016 at 1:04:51 PM MDT
To: "Larry Bonderud (larry@shelbymt.com)" <larry@shelbymt.com>
Cc: Jason Crawford <jason.crawford@klijeng.com>, Brad Koon <brad.koon@klijeng.com>, Andy Evensen <andy.evensen@klijeng.com>
Subject: 4414020 - Shelby Wastewater Treatment Facility Upgrade - Revised Cost Estimate

Good Afternoon Mayor,

Attached is an updated cost estimate of the City's wastewater treatment facility upgrade project. The cost went up approximately 2% from the estimate we prepared after the final design was completed (04/2015). Also attached for your reference is the estimate prepared as part of the PER development (04/2014).

Please note that this project has been approved by MDEQ and the approval will expire on June 7, 2018.

Andy Evensen PE

City under the General Permit for Storm Water Discharges Associated with Construction Activity, Permit MTR100000.

7.4 Sustainability Considerations

There is no greater sustainable or "green" practice than the treatment of wastewater. Water will be conserved and ultimately reused in numerous future applications. The facultative lagoon does not require any energy and very little manpower to operate. Phase 2 energy consumption will change very little from present-day conditions due to changes in the head requirements of the prison lift station pumps. The pumps and motors required for the Phase 3 equipment will be designed to maximize efficiency and minimize the energy required to function.

7.5 Total Project Cost Estimate

Costs for each alternative were developed previously in Chapter 5. These costs have been projected to identify the costs relative to the actual construction date of each phase. These projections assume a 3% per year increase in costs and should be adjusted to match the actual time frame. Table 7-3 provides a per phase cost and a total project cost.

TABLE 7-3: PROPOSED PROJECT COST ESTIMATE

Recommended Improvement	Estimated Project Cost
Phase 1	
Alternative T1 - Expand Existing Facultative Lagoon	\$2,861,000
Alternative D3 - Construct a New Ultraviolet Disinfection Facility	\$343,000
Cost Adjustment Factor for Future Construction	1.03
<i>Phase 1 2015 Cost (Including, Construction & Non-Construction)</i>	<i>\$3,300,000</i>
Phase 2	
Alternative C3 - Reroute Prison Flows to 13 th Street Sewer	\$1,062,000
Cost Adjustment Factor for Future Construction	1.09
<i>Phase 2 2017 Cost (Including, Construction & Non-Construction)</i>	<i>\$1,158,000</i>
Phase 3	
Alternative A2 - Construct a New Spray Irrigation Facility	\$5,463,800
Cost Adjustment Factor for Future Construction	1.21
<i>Phase 3 2021 Cost (Including, Construction & Non-Construction)</i>	<i>\$6,611,000</i>
Total Project Cost	\$11,069,000

5.6.6 Potential Construction Problems

Construction problems associated with Alternative T1 are expected to be minimal. A geotechnical report will be necessary to determine soil types, shoring requirements, and the depth of groundwater in the construction areas. Since most of the construction will occur at or above the existing grade, groundwater is not anticipated to be a problem.

5.6.7 Sustainability Considerations

There are no anticipated changes to the energy requirements as a result of the proposed treatment system improvements. Facultative lagoons provide a long-term, energy-free means to treat wastewater.

5.6.8 Cost Estimate

A cost estimate for Alternative T1 is provided in Table 5-4. There is no anticipated increase in the annual O&M or special equipment replacement required for the implementation of this alternative; therefore, the total present worth of this alternative is equivalent to the capital costs.

TABLE 5-4: ALTERNATIVE T1 COST ESTIMATE

Description	Quantity	Unit	Unit Cost	Total Cost
Mobilization	1	LS	\$72,700	\$72,700
Taxes, Bonds & Insurance	1	LS	\$121,200	\$121,200
Lagoon Embankment	60,000	CY	\$10	\$600,000
Lagoon Liner	817,700	SF	\$1.25	\$1,022,100
18" Intercell Piping	1,870	LF	\$100	\$187,000
Effluent Flow Control Structure	1	EA	\$35,000	\$35,000
Interlagoon Flow Control Structure	1	EA	\$35,000	\$35,000
Influent Flow Measurement	1	LS	\$20,000	\$20,000
Seeding	1	LS	\$15,000	\$15,000
Construction Sub-Total				\$2,108,000
Contingency (15%)				\$316,200
Total Construction Cost				\$2,424,200
Technical Services (18%)				\$436,400
Total Project Cost				\$2,860,600

TABLE 5-14: ALTERNATIVE D3 COST ESTIMATE

Description	Quantity	Unit	Unit Cost	Total Cost
Mobilization	1	LS	\$9,000	\$9,000
Taxes, Bonds & Insurance	1	LS	\$15,000	\$15,000
LP-LI UV System	1	LS	\$50,000	\$50,000
Installation	1	LS	\$20,000	\$20,000
Building	1000	SF	\$120	\$120,000
Building Piping	1	LS	\$25,000	\$25,000
Electrical	1	LS	\$25,000	\$25,000
Construction Sub-Total				\$264,000
Contingency (15%)				\$26,400
Total Construction Cost				\$290,400
Technical Services (18%)				\$52,300
Total Project Cost				\$342,700
Increase in Operations & Maintenance Costs				
Additional Labor	260	hrs	\$25	\$6,500
Additional Energy	44,000	KWH	\$0.07	\$3,080
Increased O&M Subtotal				\$9,580
Present Worth @ 6% and 20 Years				\$109,800
Total Present Worth of Alternative D3				\$452,500

5.12 Alternative A1 - No Action

5.12.1 *Description*

Alternative A1 consists of taking no action with respect to constructing treatment plant improvements to address a future potential ammonia limit. This is a viable option in the short-term



Engineer's Opinion of Probable Project Cost
 Shelby Wastewater Treatment Facility Expansion
 Shelby, Montana

Item	Quantity	Unit	Unit Cost	Cost
Mobilization/Demobilization	1	LS	\$ 175,000	\$ 175,000
Taxes, Bonds, and Insurance	1	LS	\$ 103,000	\$ 103,000
Effluent Discharge Structure	1	LS	\$ 64,000	\$ 64,000
UV Disinfection Facility	1	LS	\$ 350,000	\$ 350,000
Concrete Outfall	1	LS	\$ 8,000	\$ 8,000
Curtain Drain	1	LS	\$ 80,000	\$ 80,000
Synthetic Liner	709,400	SF	\$ 1.30	\$ 922,000
Excavation Above Subgrade	74,700	CY	\$ 8.0	\$ 598,000
Embankment In Place	25,400	CY	\$ 12	\$ 305,000
1" Minus Crushed Base Course	2,126	CY	\$ 34	\$ 72,000
18" PS46 ASTM F679 PVC	3,670	LF	\$ 50	\$ 184,000
18" 22.5° MJ Bend	1	EA	\$ 4,050	\$ 4,000
18" 45° MJ Bend	1	EA	\$ 4,050	\$ 4,000
18" MJ Cross	1	EA	\$ 14,000	\$ 14,000
18" Mechanical Coupling	2	EA	\$ 1,500	\$ 3,000
18" MJ Plug Valve	7	EA	\$ 23,700	\$ 166,000
Basic Manhole, 5'-0"	2	EA	\$ 4,300	\$ 9,000
Additional Manhole Depth	9	LF	\$ 200	\$ 2,000
12" HDPE Culvert	160	LF	\$ 42	\$ 7,000
15" HDPE Culvert	229	LF	\$ 55	\$ 13,000
24" HDPE Culvert	50	LF	\$ 60	\$ 3,000
Fencing	2,480	LF	\$ 4.00	\$ 10,000
Signs	11	EA	\$ 250.00	\$ 3,000
Hydraulic Seeding	4.9	AC	\$ 2,000.00	\$ 10,000
Electricity to UV System	1	LS	\$ 34,700.00	\$ 35,000
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
Estimated Construction Cost				\$ 3,144,000
Contingency	10	%		\$ 314,400
Total Construction Cost				\$ 3,458,400
Preliminary Engineering Report	1	LS	\$ 30,000	\$ 30,000
Engineering (Design and Bidding)	1	LS	\$ 213,400	\$ 213,400
Land Acquisition	1	LS	\$ 94,480	\$ 94,480
Wetland Mitigation	9.9	ac	\$ 30,000	\$ 298,200
Engineering (Construction)	1	LS	\$ 290,900	\$ 290,900
Estimated Total Project Cost				\$ 4,385,380

TABLE 5-18: ALTERNATIVE A2 COST ESTIMATE W/T3

Description	Quantity	Unit	Unit Cost	Total Cost
Mobilization	1	LS	\$	\$195,000
Taxes, Bonds & Insurance	1	LS	\$	\$325,000
Lagoon Embankment	131,000	CY	\$10	\$1,310,000
Lagoon Liner	2,030,000	SF	\$1.25	\$2,537,500
Oirrigation Pump Station	1	LS	\$500,000	\$500,000
8-Inch Irrigation Force Main	11,000	LF	\$40	\$440,000
Irrigation Equipment	180	Acre	\$375	\$67,500
Power to Center Pivots	11,000	LF	\$15	\$165,000
Land Purchase	170	Acre	\$3,000	\$510,000
Seeding	1	LS	\$25,000	\$25,000
Electrical	1	LS	\$100,000	\$100,000
Construction Sub-Total				\$6,175,000
Contingency (15%)				\$926,300
Total Construction Cost				\$7,101,300
Technical Services (18%)				\$1,186,400
Total Project Cost				\$8,287,700
Increase in Operations & Maintenance Costs				
Additional Labor	520	hrs	\$25	\$13,000
Additional Energy	165,000	KWH	\$0.07	\$11,550
Additional Chemicals	170	Acre	-\$200	-\$34,000
Increased O&M Subtotal				-\$9,450
Present Worth @ 6% and 20 Years				-\$108,300
Total Present Worth of Alternative A2 w/T3				\$8,179,400

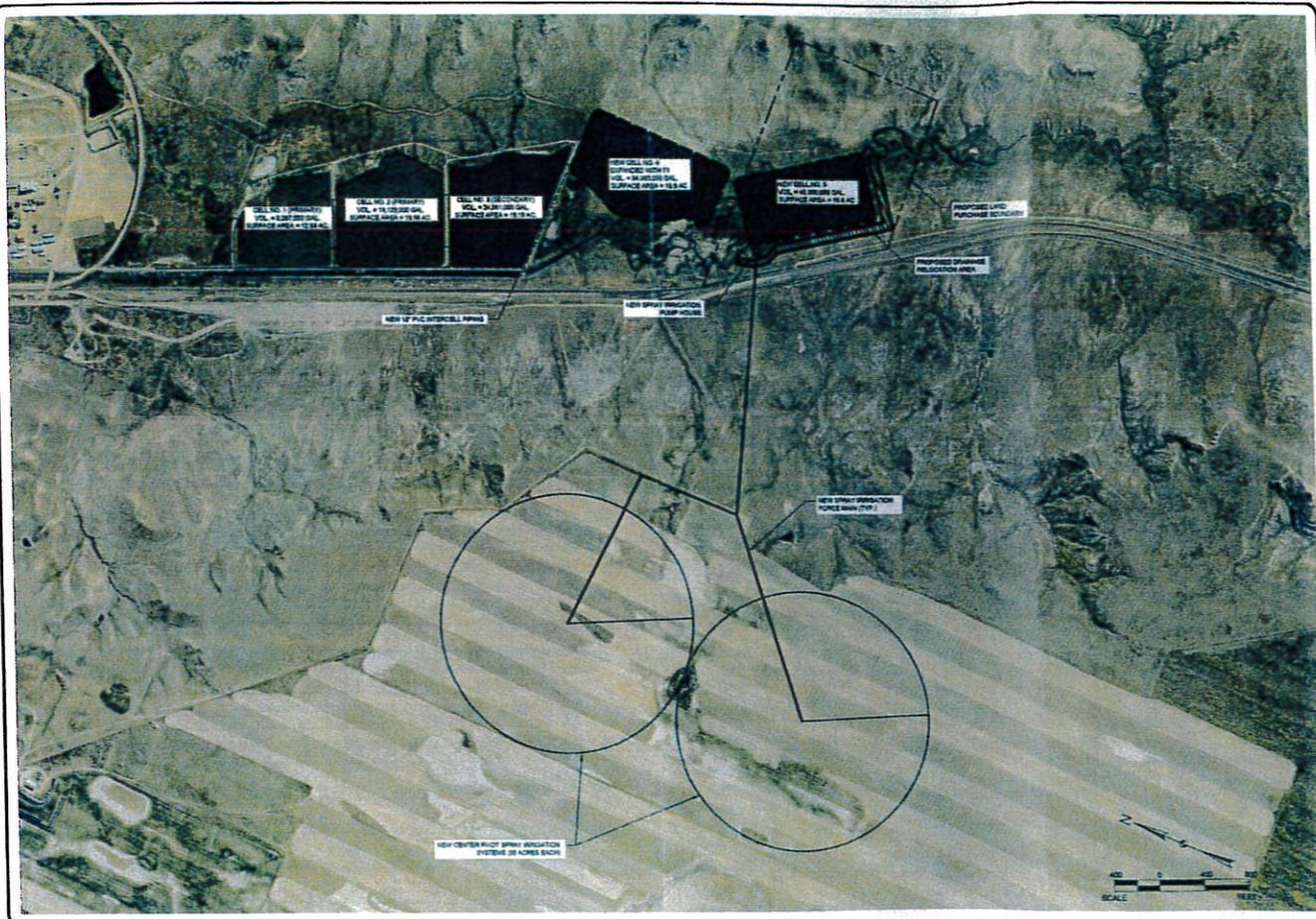


DATE	
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PTJ	
ACE	
4413254	
062014	

SHELBY WASTEWATER PER
CITY OF SHELBY
SHELBY, MONTANA
PROPOSED PROJECT - PHASE 3 IMPROVEMENTS

SHEET
FIG. 7-3

© KLJ 2014



3. Project Funds - Project Costs

Project funding is planned from the following sources:

<u>Funding Source</u>	<u>Funding Amount</u>
Applicant Contribution	\$ 450,000.00
Treasure State Endowment Fund	\$ 625,000.00 ✓
Renewable Resource Grant	\$ 125,000.00 ✓
SRF	\$ 3,000,000.00 ✓
SRF Loan Forgiveness	\$ 400,000.00 ✓
RUS LOAN	\$ 9,998,000.00 ✓
RUS GRANT	\$ 1,472,000.00 ✓
TOTAL	\$ 16,070,000.00

Project Budget-Funding from all sources has been budgeted for the estimated expenditures as follows:

<u>Project Cost</u>	<u>Total Budgeted:</u>
Office Costs	\$ 1,000.00
Audit	\$ 13,000.00
Legal Fees	\$ 1,000.00
Bond Costs	\$ 25,000.00
Travel & Training	\$ 1,000.00
Interest on Pre-Devel	\$ 20,000.00
Interm Interest	\$ 150,000.00
SRF Debt Service Res.	\$ 96,200.00
Land and Rights-of-Way	
Engineering	
Basic Services	\$ 1,803,000.00
RPR	\$ 500,000.00
Add'l Services	\$ 65,000.00
Project Administration	\$ 86,000.00
Equipment	
Construction	\$ 12,308,450.00
Construction	
Project Contingency	\$ 1,000,350.00
TOTAL	\$ 16,070,000.00

BUILDING/ZONING PERMIT APPLICATION

1	JOB ADDRESS 543 6th Ave. S.			
2	LEGAL	LOT NO. 2 tract A	BLOCK 54	SUBDIVISION Nob Hill Add.
3	OWNER Jack & Janet Butler		MAILING ADDRESS same	
4	CONTRACTOR self		MAILING ADDRESS 	
5	TYPE OF WORK:	<input type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input type="checkbox"/> ALTERATION <input type="checkbox"/> REPAIR <input type="checkbox"/> MOVE <input type="checkbox"/> REMOVE <input type="checkbox"/> HOME OCCUPATION <input type="checkbox"/> FENCE <input type="checkbox"/> SIGN <input type="checkbox"/> MOVING/ZONING		
6	DESCRIBE WORK:	18' x 20' steel carport		
7	PROJECT COST:		800	
8	PERMIT FEE \$		32	
		_ Cash	_ Check # <u>10921</u>	
<p>Validity of Permit: The issuance or granting of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the City of Shelby. No permit presuming to give authority to violate or cancel the provisions of this code shall be valid. The issuance of a permit based upon plans, specifications and other data shall not prevent the building inspector from thereafter requiring the correction of errors in said plans, specifications and other data, or from preventing building operations being carried on thereunder when in violation of this code or of any other ordinances of the City of Shelby.</p>		Type of Construction V	Occupancy Group R-3	Ward Division
		Total Size of Building (sq. ft.)	No. of Stories	No. of Dwelling Units
		Use Zone LDR	Fire Sprinklers Required <input type="checkbox"/> YES <input type="checkbox"/> NO	
NOTICE		OTHER REQUIREMENTS	Not Required	REQUIRED
<p>SEPARATE PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING, HEATING, VENTILATING OR AIR CONDITIONING. THIS PERMIT BECOMES NULL AND VOID IF WORK OR CONSTRUCTION AUTHORIZED IS NOT COMMENCED WITHIN <u>180 DAYS</u>, OR IF CONSTRUCTION OR WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER WORK IS COMMENCED.</p> <p>I HEREBY CERTIFY THAT I HAVE READ AND EXAMINED THIS APPLICATION AND KNOW THAT SAME TO BE TRUE AND CORRECT. ALL PROVISIONS OF LAWS AND ORDINANCES GOVERNING THIS TYPE OF WORK WILL BE COMPLIED WITH WHETHER SPECIFIED HEREIN OR NOT. THE GRANTING OF A PERMIT DOES NOT PRESUME TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF ANY OTHER STATE OR LOCAL LAW REGULATING CONSTRUCTION OR THE PERFORMANCE OF CONSTRUCTION.</p>		Plot Plan		X
		Curb/Gutter/Sidewalk	X	
		Construction Plans		X
		Tapping Fee-Water	X	
		Tapping Fee-Sewer	X	
		Excavation Fee	X	

Signature:  OWNER CONTRACTOR

Date Permit Issued: 11/16/2016

 Building Inspector

THIS IS YOUR PERMIT & RECEIPT WHEN PROPERLY COMPLETED & SIGNED