

CITY OF SPARTA 6 Liberty Square P.O. Box 30 Sparta, Tennessee 38583 931.836.3248 931.836.3941 fax www.spartatn.com

AGENDA

BOARD OF MAYOR AND ALDERMEN

Thursday, July 20, 2023 - 5:00 PM Sparta City Hall, 2nd Floor

1. Approval of the Minutes of the July 6, 2023 regular meeting.

SPECIAL PRESENTATIONS

2. Life Saving Awards to J.T. King, Justin Cunningham, & Austin Edwards.

RESOLUTIONS

- 3. Resolution No. 23-584, a Resolution authorizing the City of Sparta to participate in the "Safety Partners" Matching Grant Program.
- 4. Resolution No. 23-585, a Resolution establishing a Surplus Property Policy.

CONTRACTS

- 5. Approve contract with Recreational Concepts as consultants for the "Splash Park" design and construction.
- 6. Authorize Hethcoat & Davis Engineers to design the upgrade for the Flocculators at the Water Plant.
- 7. Authorize Hethcoat & Davis Engineers to evaluate and design a water sludge solids processing system for the Water Plant.
- 8. Approve contract with Hethcoat & Davis Engineers to provide a Hydraulic Water Model in the amount of \$55,000.00 for the Water Department.

PURCHASING

9. Authorize the solicitation of bids for the purchase of various sizes of ductile iron utility poles for the Electric Department.

MISCELLANEOUS

- 10. Department heads reports.
- 11. Other NEW business.
- 12. UNFINISHED business.
- 13. Citizen Comments from Sparta Citizens (3minute limit).
- 14. Adjourn.





MINUTES

The Board of Mayor and Aldermen of the City of Sparta, White County, Tennessee, met in a scheduled meeting at Sparta City Hall, at 5:00 PM on the 6th day of July 2023, with Mayor Jerry Lowery presiding.

Wembers Present
Vice-Mayor Bobby Officer
Alderman Jim Floyd
Alderman Brian Jones
Alderman Travis McBride
Alderman Judy Payne
Alderman Brent Young

Status of other city staff members were:

Tonya R. Tindle	City Administrator / City Recorder	Present
Dillard Quick	Public Works Director	Present
Caroline Sapp	City Attorney	Present
Nick Dunn	Police Chief	Present
Kirk Young	Fire Chief	Present
Mike O'Neal	Codes Enforcement	Present
Tonia Wilson	Finance Director	Present
Belva Bess	Electric Manager	Present

Members Absent

A quorum was present and notice had been previously mailed to all members and the news media. Mayor Lowery called the meeting to order. Travis McBride opened with a prayer. Bobby Officer led the Pledge of Allegiance by request of the mayor.

There was a motion by Alderman Payne with a second by Alderman Young to approve the minutes of the June 15, 2023 regular called meeting, which had been previously mailed to all board members and read by each member prior to the meeting. All voted "Aye" by voice vote. Motion passed.

There was a motion by Alderman Floyd with a second by Alderman Payne to approve Resolution No.23-583, a resolution authorizing the budgeted appropriations for Financial Aid to Public Service, Nonprofit, and Charitable Organizations for the fiscal year ending June 30, 2024. The roll call was as follows:

Alderman Floyd	Yes
Alderman Jones	Yes
Alderman McBride	Yes
Vice-Mayor Officer	Yes
Alderman Payne	
Alderman Young	
Mayor Lowery	Yes
The motion passed.	

There was a motion by Alderman Payne with a second by Alderman McBride to approve the City Recorder's Financials for May 2023. All voted "Aye" by voice vote. Motion passed.

There was a motion by Alderman Floyd with a second by Alderman Young to authorize the solicitation of bids for the replacement of a 300hp high-service pump at the Water Plant. All voted "Aye" by voice vote. Motion passed.

There was a motion by Alderman Young with a second by Vice-Mayor Officer for the solicitation of bids for the sealing and striping of the tennis courts at N. Carter Street Park. All voted "Aye" by voice vote. Motion passed.

There was a motion by Alderman Payne with a second by Alderman Young to authorize the solicitation of bids for the purchase of six (6) metal street light poles and LED lights to complete the installation of new street light poles on the East side of the historical district. All voted "Aye" by voice vote. Motion passed.

The mayor declared the Board to be in session as the Beer Board.

There was a motion by Vice-Mayor Officer with a second by Alderman Payne to approve the application for an on-site beer permit for Komang Hartawan D/B/A Casa Luna located at 184 Churchill Drive. All voted "Aye" by voice vote. Motion passed.

The mayor declared the session of the Beer Board closed.

There was a motion by Vice-Mayor Officer with a second by Alderman Payne to authorize the solicitation of bids for CCTV inspection of sewer lines for the public works department. All voted "Aye" by voice vote. Motion passed.

Department heads placed their reports in the agenda and Aldermen asked questions.

Citizens comments were heard:

Chris Sapp addressed the board regarding mobile food trucks.

No additional items were discussed.

There being no further business, there was a motion to adjourn by Alderman Payne with a second by Alderman Young. All voted "Aye" by voice vote. Motion passed. The meeting was adjourned at 5:19 P.M.

Read and approved this	day of	, 2023
	Jerry Lowery, Mayor	
ATTEST		
Tonya R. Tindle, City Recorder		

SPECIAL PRESENTATIONS

J.T. King, Justin Cunningham, and Austin Edwards will be presented with life-saving awards for their heroic efforts for an incident that happened at the Calfkiller River Dam, where two kayakers were trapped in the rapids at the dam.

RESOLUTION

A RESOLUTION AUTHORIZING	RESOLUTION #	23-584	
THE CITY OF SPARTA TO PARTICIPATE IN THE "SAFETY	Requested By:		
PARTNERS" MATCHING GRANT PROGRAM	Prepared By: Lorie J	effries	
	Approved:		
		City Attorney	
	Minute Book	Page	
WHEREAS, the safety and well being of the employees of the City of Sparta is of the greatest importance; and			
WHEREAS, all efforts shall be a for the City of Sparta employees; and	made to provide a s	afe and hazard free workplace	
WHEREAS, The Public Entity Partners seeks to encourage the establishment of a safe workplace by offering a "Safety Partners" Matching Grant Program; and			
WHEREAS, the City of Sparta now seeks to participate in this important program.			
NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF SPARTA, TENNESSEE the following:			
SECTION 1. That the City of Sparta is hereby authorized to submit application for a "Safety Partners" Loss Control Matching Grant through Public Entity Partners.			
SECTION 2. That the City of Sparta is further authorized to provide a matching sum to serve as a match for any monies provided by this grant.			
Read and approved this day of, 20			
CITY OF SPARTA			
Jerry Lowery, Mayor			
ATTEST:			
Tonya R. Tindle, City Recorder			

RESOLUTION

A RESOLUTION OF THE CITY OF SPARTA, TO ESTABLISH A POLICY FOR THE SALE AND DISPOSAL OF PROPERTY DETERMINED TO BE SURPLUS TO THE CITY'S NEEDS.

RESOLUTION # 23-585
Requested By: Tonya Tindle, City Administrator
Prepared By:
Approved:
City Attorney
Minute Book Page

WHEREAS, it is in the public interest for the City of Sparta to periodically sell or dispose of certain machinery, equipment, or materials which, by nature of its obsolescence, low value, or disrepair, has been determined by the Board of Mayor and Aldermen to be surplus to the realistic and foreseeable needs of the city; and

WHEREAS, Board of Mayor and Aldermen wishes to establish a uniform policy, which provides that obsolete and unneeded property will be offered for sale to the general public in an open, transparent, and cost-effective manner, and assures against usable and valuable property from wrongfully being declared obsolete and offered for sale.

NOW, THEREFORE, BE IT RESOLVED BY THE SPARTA MAYOR AND BOARD OF ALDERMEN, AS FOLLOWS:

- 1. **Title.** This Resolution shall be known as the "Sparta Surplus Property Policy" and shall be the official guideline for the sale of the City's surplus properties.
- 2. Authority to declare property as surplus to the City's needs. Any member of the Board, the city administrator, any department head, the City's property manager, or the City's purchasing manager may nominate any City-owned property for disposal or sale as surplus property. All such nominations shall be made on forms developed by the City and signed by the person making the nomination. Signed nominations shall be forwarded to the Board for the final decision authorizing the sale. It shall be the official policy of the City of Sparta that no city-owned property shall be sold, or offered for sale, as surplus property without prior authorization by the Board. The Board's authorization to sell surplus property shall be in the form of a Resolution.

- 3. **Unauthorized sales.** Any employee of the City of Sparta found to have sold, or offered for sale, any City-owned property in violation of the Sparta Surplus Property Policy shall be subject to disciplinary action and, if applicable, criminal prosecution.
- 4. **Surplus property nomination form.** The City Recorder shall develop a form which shall be used by department heads to nominate surplus property for sale. As a minimum, such form shall contain the following information:
 - a) A brief description of the item proposed for sale, including manufacturer, model number, serial number, age, and condition;
 - b) The department or office to which the property is assigned;
 - c) An explanation of why the property is no longer needed by the City;
 - d) The name and signature of the person making the nomination.
- 5. **Surplus property criteria.** All signed surplus property nomination forms shall be promptly forwarded by the City Recorder to the Board. Before classifying any property as being surplus, the Board shall consider the following:
 - a) The age and condition of the property;
 - b) The cost of replacing the property, if any;
 - c) The anticipated remaining life of the property;
 - d) Whether the property might reasonably, safely, and efficiently be used by another City department or office.
- 6. Sales procedures. Unless otherwise directed by the Board, all surplus property approved for sale shall be sold according to the following procedure:
 - a) The City Administrator shall be wholly and solely responsible for advertising and conducting all surplus property sales.
 - b) The preferred method of sale shall be a public auction, on a cash, certified check, or if applicable, debit or credit card basis. A public auction may include the use of a nationally recognized government surplus website, such as GovDeals.com or PublicSurplus.com. Sales on such websites shall include a buyer's premium so that the buyer bears the cost for using the website service. When a public auction is not practical or efficient, the Board may direct the sale to take place by means of sealed bids. The opening of all sealed bids shall take place in a meeting open to all bidders and the general public.
 - c) It shall be the City's policy that sales of surplus property shall be awarded to the highest bidder.

- d) All surplus property auctions shall be advertised in advance in a newspaper of local circulation (or on the appropriate website, as noted above).
- e) Prior to the sale, all City logos or other symbols are to be removed or destroyed from the items to be sold.
- 7. **Sale of dangerous property.** It shall be the policy of Sparta to avoid the sale of surplus property that might reasonably be dangerous or hazardous to the ultimate purchaser. Dangerous or hazardous items shall include, but are not limited to, the following:
 - a) Explosives;

Tonya R. Tindle, City Recorder

- b) Volatile or highly toxic chemicals; and
- c) Equipment and materials that cannot be operated or used safely due to obsolescence, product defect, lack of maintenance, etc.
- 8. **Distribution.** The City Administrator is hereby directed to distribute a copy of this resolution to every employee of the City of Sparta and in each copy of the City's employee handbook issued after the effective date of this Resolution.
- 9. **Effective date.** This Resolution shall be in full force and effect from and after its date of adoption by the Sparta Board of Mayor and Aldermen.

Read and approved this	day of	, 20
CITY OF SPARTA		
Jerry Lowery, Mayor		
ATTEST:		

Recreational Concepts is preparing the agreement and when it is available it will be sent out as soon as we get it, to allow you time to read it before the meeting.

Tonya Tindle

From:

Dillard Quick

Sent:

Friday, July 14, 2023 1:46 PM

To:

Tonya Tindle

Subject:

FW: Sparta Water Plant - Flocculators

Attachments:

Prelim Cost Estimate-Flocculators.pdf; Sparta TN Sharpe Quote Q3-73254.pdf;

SKETCH.pdf

Tonya,

We talked to Lieve and believe number 2 would be the best for our system. \$277,000. Lieve added, add \$100,00 for structural, electrical and demo as an estimate. Engineering fees to be added to the total price.

From: Lieve Schanno < lieve.schanno@hdengr.com>

Sent: Friday, July 7, 2023 10:32 AM

To: Dillard Quick <d.quick@spartatn.gov>; Greg O'Neal <g.oneal@spartatn.gov>; Jason Hale <j.hale@spartatn.gov>

Cc: Alton Hethcoat <alton.hethcoat@hdengr.com>; Jacob Baker <jacob.baker@hdengr.com>

Subject: Sparta Water Plant - Flocculators

[EXTERNAL EMAIL] CAUTION: This is an external email that originated from outside our email system. Do not click links or open attachments unless you recognize and trust the sender. If in doubt, call sender at a number you already know before clicking links or attachments.

Good morning Dillard, Greg and Jason -

I just got word from Alton that you are ready to proceed with final design for the flocculators at the water plant.

- 1. Dillard Please confirm that you want to proceed with flocculator final design.
- Based on the initial cost estimates, I think we want to design based on a vertical mixer type of flocculator. The preliminary cost estimates and an example by Sharpe mixers is attached.
- The sketch attached is the proposed layout we discussed before. Let us know if you want to proceed with this layout.
- 4. I am going to have the intern engineer Jacob Baker working with me on the process design.
- Structural and Electrical engineering support will be needed for this. John Cole will design the electrical and Skyhook Structural Engineers will provide the structural engineering (same as previous water plant designs)

Jacob, Alton and I look forward to working with you on this. - Lieve

Ms. Lieve C. Schanno, P.E. Senior Project Engineer



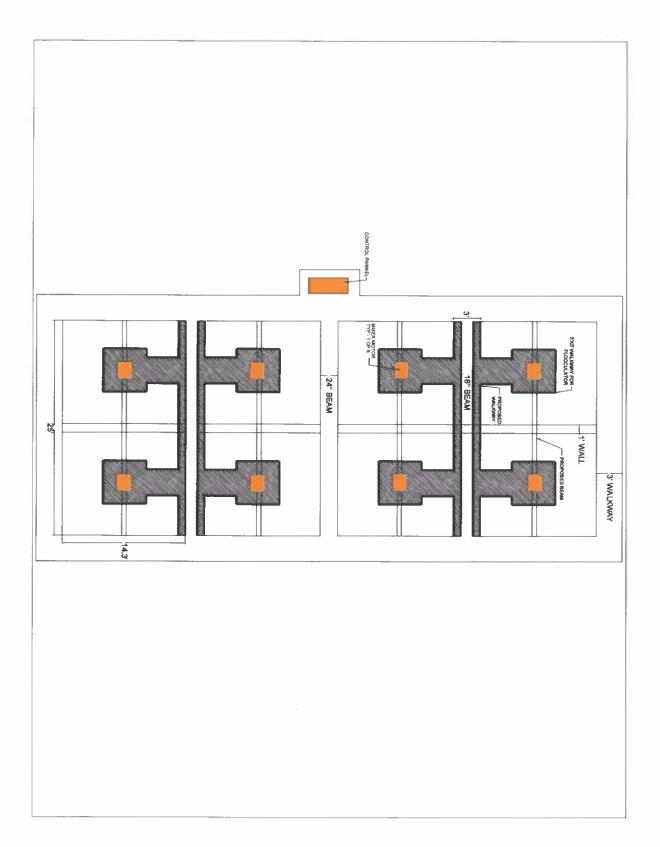
278 Franklin Road, Suite #200 P: 615-577-4300

D: 615-479-9892

E: lieve.schanno@hdengr.com

COST ESTIMATE
2023 FLOCCULATOR REPLACEMENT
2/17/2023

	JOE SANFORD - BAR	JOHN HARWARD - PRINCIPLE SETH DOBYNS - GUTHRIE	SETH DOBYNS - GUTHRIE	JOE SANFORD - BAR	JOE SANFORD - BAR
	ENVIRONMENTAL	ENVIRONMENTAL	SALES	ENVIRONMENTAL	ENVIRONMENTAL
	SHARPE - TOP ENTERING	ENVIRO PAX - VERTICAL	DYNAMIX - VERTICAL	DYNAMIX - VERTICAL ANCO - HORIZ PADDLE WHEEL	ANCO - WALKING BEAM
	\$117,880	\$237,000	\$150,000		
EQUIPMENT	(8 MIXERS)	(8 MIXERS)	000,0015	\$450,000 - \$470,000	\$530,000 - \$550,000
INSTALLATION	\$40,000	\$40,000	\$40,000	\$100,000	\$50,000
	\$80,000				
VARIABLE FREQUENCY DRIVES	(\$10,000/Panel)	OPTIONAL		N/A	N/A
STRUCTURAL SUPPORT OF MIXER	YES	YES	NES .	YES	YES
WALKWAY ACCESS	YES	YES	∴ Say	ON	ON
ELECTRICAL	YES	YES	YES	YES	YES
COMMENTS	FREIGHT INCLUDED	SOME SERVICES INCLUDED		CONTROLS NOT INCLUDED	CONTROLS NOT INCLUDED
TOTAL COST					







Date : January 30, 2023 validity: 30 Days

Proposal No.: Q3-73254

Est. Shipment: 18 weeks

>> after drawing approval or release

F.O.B. : Factory

Terms : NET 30 DAYS, OAC

ON-CENTER MOUNTING

QUOTATION

Customer: Sparta TN, WTP

Application: Flocculation Tanks

, Sp.Grav: 1.00

Temp.: Ambient

Pressure: Atmospheric

Design conditions: Tank dimensions: Viscosity(cps): 1 Wide x 165

long x

156.8 " overall height from mixer base to tank floor

Tank Volume (gallons)= 29600

Liquid levels: Design max (from tank floor): 138";

Min. Liquid Level:

Equipment:

N-SERIES HELICAL DRIVE TOP-ENTERING MIXER

Quantity: 8

Mixer Model # 1.5N2 -52

Motor:

1.50 Horsepower, @ Motor Furnished by Sharpe , Mounted by Sharpe

1750 RPM,

3PH, 60Hz, 230/460 VOLTS TE-INV.DUTY

145TC Frame.

TEFC- PREMIUM EFFICIENT

Mixer Drive :

N2 Parallel Helical Gearbox 51.7:1 Ratio.

Rated at

2.48 Horsepower

with OilSafe Effective Drywell

Mixer mounting:

Mounting Plate Furnished

Wetted Parts: SS316

Shaft:

2.38 "Dia. X

114 "long from mounting base, turning @

34 RPM

Includes No In-Tank Shaft Coupling

Impellers:

65.0 "dia HYF-218 Hydrofoil Impeller

19 " min. opening required to install impeller

Split Cast Hub

Pumping Down, Turning Clockwise Looking Down

Ship Wt..each= 400

Q1QP-071122

Please address your order to:

Hayward Gordon 5 Brigden Gate Halton Hills, ON L7G 0A3 Note - This quote is valid for 30 days. Any order placed as a result of this proposal is subject to Sharpe Mixers Terms and

Hayward Gordon

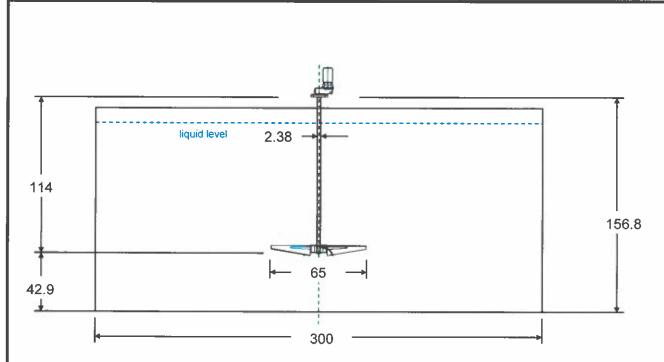
Quotation prepared by: Kule Sides **Sharpe Mixers**

www.haywardgordon.com

a division of

lbs





NOTES: Tank / Mixer Layout intended for scaled view of in-tank components only. Mixer drive proportions may vary slightly depending on motor type or other options. Please review drawing carefully and inform Sharpe Mixers immediately if any tank dimensions are inaccurate, Drawing generated by Sharpe Mixers Q1QP mixer selection program, Copyright 2005, Seattle, WA.

Mixer weight = 400 lbs

Design Torque = 4825 lbs-in

Design OHM = 3799 lbs-in

est. full tank volume = est. volume @ liquid level =

33600 gal 29571 gal

al (127190 L) al (111941 L)



Customer: Sparta TN, WTP

Application: Flocculation Tanks

TOP ENTERING MIXER / TANK LAYOUT DETAIL

Mixer Model # 1.5N2 -52

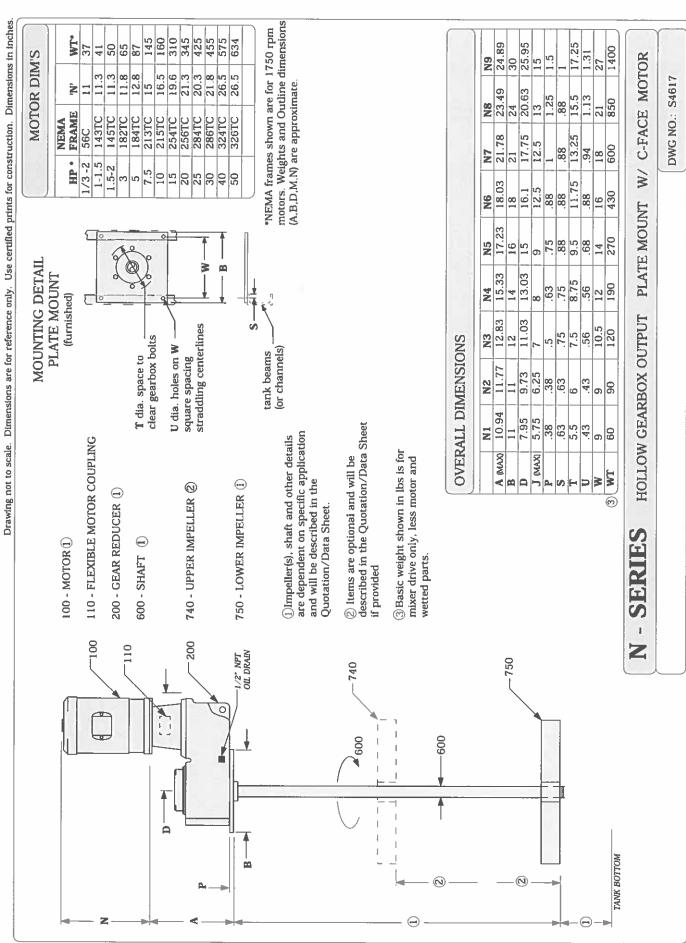
Quantity: 8

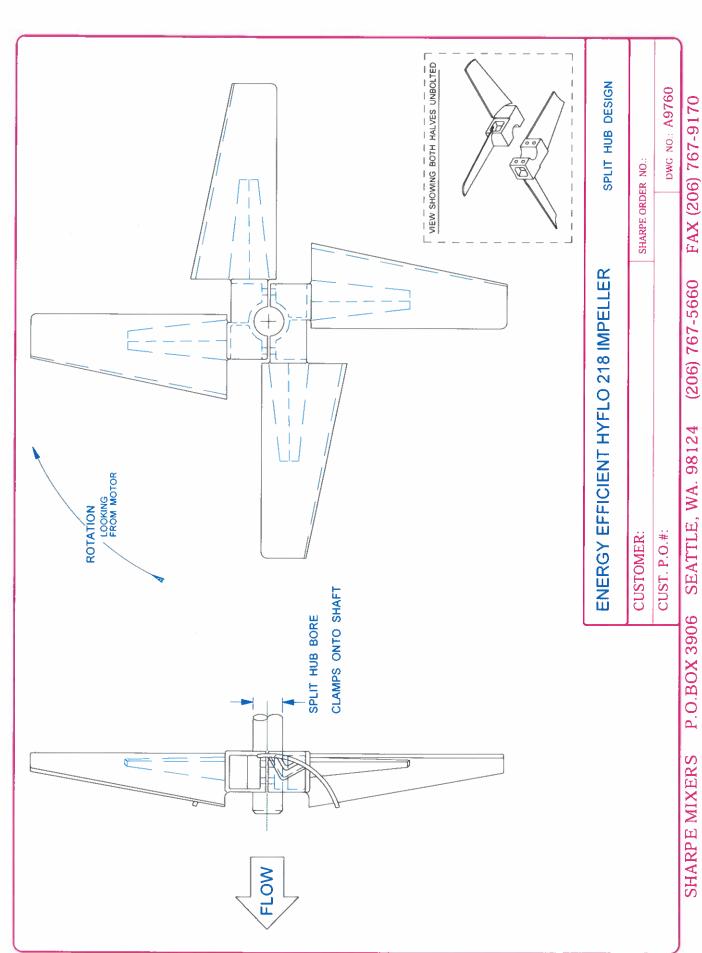
Sharpe # **Q3-73254**

Drawing # *L3-73254*

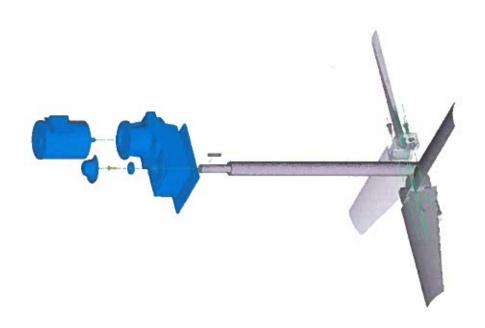


SEATTLE, WA 98124





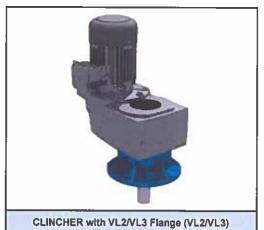
SHARPE MIXERS P.O.BOX 3906 SEATTLE, WA. 98124



Gear Unit Options







VL2 - Spread Bearing Design

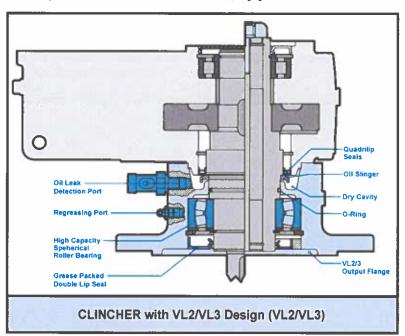
NORD offers reinforced output shaft bearings with increased bearing distance. The lower bearing is a oversized, double row spherical bearing, which absorbs high overhung and thrust loads while providing a longer bearing service life. The spherical roller bearing is especially useful in compensating for alignment errors in long agitator shafts. The VL2 spread bearing design is commonly used for shredders, mixers, overhead conveyors or applications requiring increased bearing load carrying capacities. Included with the VL2 design is a grease fitting for the lower bearing and a removable plug to allow excess grease to purge from the bearing cavity.

VL3 - Spread Bearing Design with Oil Safe Dry Cavity

The VL3 dry cavity design adds additional oil leak protective measures to the VL2 spread bearing design. NORD's Quadralip™ sealing system prevents oil from leaking from the gearbox into the VL2 flange. If in any case oil does leak past the Quadrilip™ seals, it would flow down to the oil slinger mounted onto the shaft. As the shaft rotates, the oil will sling off into the dry cavity. A sight tube is provided for dry cavity inspection. At the bottom of the spread bearing flange is greased packed, double lip seal.

NORD can calculate the service life upon request. The following values are required for calculation:

 Rated Power Output Speed Overhung Force Axial Force (thrust) Overhung force to the	Fr	(hp) [rpm] [lb] [lb]
flange support distance Required Service Life	C L _h	[in] [h]



Tonya Tindle

From:

Dillard Quick

Sent:

Friday, July 7, 2023 2:37 PM

To:

Tonya Tindle

Subject:

FW: Sparta Water Plant - Sludge Solids Processing

From: Lieve Schanno < lieve.schanno@hdengr.com>

Sent: Friday, July 7, 2023 11:26 AM

To: Dillard Quick <d.quick@spartatn.gov>; Greg O'Neal <g.oneal@spartatn.gov>; Jason Hale <j.hale@spartatn.gov>

Cc: Alton Hethcoat <alton.hethcoat@hdengr.com>; Jacob Baker <jacob.baker@hdengr.com>

Subject: Sparta Water Plant - Sludge Solids Processing

[EXTERNAL EMAIL] CAUTION: This is an external email that originated from outside our email system. Do not click links or open attachments unless you recognize and trust the sender. If in doubt, call sender at a number you already know before clicking links or attachments.

Good morning Dillard, Greg and Jason -

I just got word from Alton that you would like to evaluate options for sludge solids processing- possibly using a belt press.

- 1. Dillard Please confirm that you want to proceed with sludge solids processing design.
- 2. Alton tells me that a land application permit has been obtained, that requires a minimum 18% solids. Please send me a copy of that.
- 3. Let me know if you have been in communication with any belt press vendors and if so, who?
- 4. I am going to have the intern engineer Jacob Baker working with me on the process design.

Jacob, Alton and I look forward to working with you on this. - Lieve

Ms. Lieve C. Schanno, P.E. Senior Project Engineer

HETHCOAT

278 Franklin Road, Suite #200

P: 615-577-4300 D: 615-479-9892

E: lieve.schanno@hdengr.com

July 14, 2023 File 1005-06

Ms. Tonya Tindle, City Administrator 6 Liberty Square Sparta, TN 38583

RE: Water System Hydraulic Model City of Sparta, TN

Ms. Tindle:

Thank you for giving Hethcoat & Davis the chance to submit a proposal for providing professional services to the City of Sparta. We appreciate the opportunity and responsibility that the City is considering vesting in us, and we look forward to the chance to continue working with you and your staff. Our relationships with our clients are **extremely** important to us, and we welcome the opportunity to prove that we can provide the level of **priority service** and **attention** that you and the Sparta deserve.

A water model can be an extremely valuable tool for performing in-depth analysis of the existing distribution system and operational parameters. Additionally, new developments can easily be evaluated, long-term projections can be incorporated, and system improvement recommendations can be made. Ultimately, the water model can provide data and information that will ensure a high-level of service for all customers.

Our immediate priority will be to evaluate and analyze the existing water distribution system and develop a calibrated water model that mimics your current system.

Therefore, we are pleased to submit our proposal for developing a computerized water system hydraulic model and long-term capital improvements plan for the City of Sparta. The development of the Hydraulic Model will begin with a "work plan"

The work plan will consist of constructing the hydraulic model so as to assist in evaluating the following water distribution issues: (1) how much water can be transmitted through the existing network thereby creating an accurate representation of current system performance; (2) evaluation of existing pressure zone(s); (3) examination of water storage and simulation of tank operation (filling / cycling) under various conditions; (4) examination of existing water booster stations to determine their capacity, efficiency and run-times; (5) an evaluation of existing fire flow capabilities; and (6) evaluation of existing service areas and associated sources to determine distribution efficiency.

Scope of Services

Hethcoat & Davis, Inc. (H&D) would propose the following task-based approach. After each task, H&D would provide the City with known and suspected information to aid in the evaluation of the existing system. All pressure monitoring and related equipment, would be installed by H&D with assistance from the City. H&D will establish the specific location for their installation. H&D staff would be responsible for relocating the data loggers, as necessary with assistance from the City, to new locations for additional data collection. All copies of existing GIS database information, maps, as-built data, record drawings, pump curves, billing data, MOR's, etc., would be furnished by the City.

The tasks associated with the development of the Model will include:

Task 1. Data Collection/System Investigation

H&D, with the help of the City, would acquire the necessary data to perform the hydraulic analysis. Existing data will be researched, copied, and documented in a useable format. Field pressure data will be acquired as needed using H&D and City forces. Data to be gathered may include, but is not limited to, the following:

Existing Data

- Base File Data (GIS Shapefile Format preferred Roads, Parcels, Contours, Aerial Photos, etc.)
- Water Source, Water Line Data, Storage Tank, Booster Station, System Valve Inventory and Meter Inventory (GIS Shapefile Format)
- Control Valve, Flow Control Valve, Pressure Reducing Valve Inventory (GIS Shapefile Format preferred)
- Billing Route Maps / Pressure Zone Boundaries
- Operations Data Including Booster Station Pump Data (Pump Curves, Metered Flows, etc.) and Tank Level Trend Data (SCADA/Telemetry in Excel Format)
- At least one year of Monthly Operating Reports, including data for "water bought/pumped" (Excel Format)
- At least one year of Monthly Water Consumption Totals for all customers (Excel Format)
- Complaints / Problems (low pressure, water quality, etc.)
- Planned Infrastructure Improvements
- Potential Wholesale Water Purchases and/or Wholesale Sales Contracts

□ Additional Data to be collected

Pressure data from the distribution system

Fire Flow Tests (as needed to verify flows, line sizes, C-Factors)

The data will be collected and organized to effectively represent the existing conditions. The accuracy of the data collected is paramount in the engineering evaluation tasks to follow. Enough data loggers need to be placed across the system to adequately cover the area. Gathering pressure data with a few loggers extends the data collection period and also distorts the data as the water system does not remain the same over a long period. Shortening the data collection periods will improve the accuracy of the calibration. This step will require close cooperation with City staff to determine current operating parameters.

Task 2. Calibration and Hydraulic Analysis

The calibration and hydraulic analysis will be performed to profile and mirror the existing distribution system and the effects created by the existing demands. The computer modeling hydraulic analysis will utilize Innovyze InfoWater software to process the data. This software will allow the user to construct a pictorial representation of the water system. A digital GIS map of the City's water system will be evaluated for use as the base map, depending upon its level of accuracy and completeness. The analysis will establish and reaffirm the existing conditions and estimate the changes that will occur when improvements are integrated, identify any sub-standard existing facilities that should be upgraded. This is the most critical step in the process as an inaccurately calibrated model provides little to no useful output. Once the model is calibrated, it will be used to identify the new infrastructure that may be necessary to eliminate any flow and pressure problems, or to address future flow, pressure, quality and capacity issues.

Task 3. Report Summary

H&D will provide a report that summarizes the analysis performed, calibration results, recommendations for system improvements, figures, maps, and concept level cost estimates for system improvements.

As you can see, the information the Model provides is extensive and comprehensive. Most importantly, it provides you with a mechanism to project and plan for growth, identify and remedy issues within your system and enhance your pro-active approach to development.

Based on what we know about the size of your system, we would anticipate that the time required to complete the development of the model should not exceed 210 days for a lump sum cost of \$55,000.00. This would be invoiced to you monthly based on

percent work complete. We would be happy to work with you on the terms of the contract and any potential modifications to the scope or timing of invoicing.

If this proposal is acceptable, please indicate by executing this document in the space designated below. Retain one copy for your files and return one executed copy to us for our files.

Please give me a call if you have any question	ons or require additional information.
Sincerely,	
Alton Hethcoat, P.E. Principal, Hethcoat & Davis	
	Accepted:
	(Name/Title)
Copy: Cory Borum, PE	
	(Date)

Belva Bess

From:

Tommy Johnson

Sent:

Friday, July 07, 2023 8:27 AM

To:

Belva Bess

Subject:

Pole Quote

Class 1 45 ft Ductile iron Weathered Pole QTY 1 Class 1 50 ft Ductile iron Weathered Pole QTY 5 Class 1 55 ft Ductile iron Weathered Pole QTY 2 Atility 168

Vendors

Thomas Smith thomas.smith@gresco.com
Anderson, Tanya TWelch@wescodist.com
WIGTON Rebecca twigton@irby.com
'Shari Perry' s.perry@capeelectric.com
Megan Nixon m.thomas.mithyille-electric.com
Sarah Rowe sarah@powersupplycompany.biz

Miscellaneous Information

Public Works

July 13, 2023

WATER

Repaired several leaks.

Installed two new fire hydrants.

Set two new water taps.

Mowed, trimmed and sprayed water tank properties and raw intake property.

Abandoned two water lines: 1 on Cooper St., and 1 on John Henry Demps.

July 12 had a TDEC inspection.

Repaired yards and patched roads

Meter change-out program is on schedule.

Worked with pavers installing water valve risers.

WATER PLANT

Work as usual.

SEWER OPERATING

Located for contractors and utilities.

Checked pump stations daily.

Sprayed and mowed right of ways, manholes and pump stations.

5 sewer calls.

Working with pavers installing sewer risers.

SEWER PLANT

Plant is operating with no overflows.

Still looking for another contractor to supplement the sludge hauling. Hauler is having a hard time keeping up with the amount of sludge the plant is producing. Not having any luck finding a contractor to haul sludge.

STREET DEPARMENT

Normal mowing of parks and square.

Bush hogging properties and roadways.

Worked on Pavilion. Inspections passed. Starting ceiling and walls, then fixtures.

Watered new shrubs at monument signs on 111.

Mosquito spraying started and scheduled for once a month unless needed otherwise.

Building set of steps for the sample site at the water plant.

Worked on replacing tile at Allen Dr.

SANITATION

All trash was picked up on schedule.

Still hauling our own trash to Southern Central. We are only taking brush to the landfill.

Road tractor is in shop with turbo out and front load truck the push button shift is being replaced.

Sparta Electric System

7/1/2023 to 7/17/2023

- Outages: Storm 7/5 (667 Woodlawn- Lightning hit transformer, line down Turn Table Rd- tree, 148 N Church fuse, Traffic Light 111 & Roosevelt, 670 Turn Table Transformer) Pearson St- Squirrel, Gaines St- Squirrel, Cherokee Circle- fuse, 234 & 224 Re-Closure, 19
 Marchbanks- Customer Breaker, Valley View- Squirrel, Allen Dr Dump Truck hit line, Villa Ln- Bird
- Re-Sagged wire Dibrell St.
- Set Service Pole- New Service- 528 S Young St.
- Set Primary Pole 188 Churchill Dr.
- Replace Primary Pole & Transformer 184 Churchill Dr.
- Disconnect & Re-Connect Service 14 N Main St.
- Disconnect & Re-Connect Service 425 N Spring St.
- Set new Transformer and removed open wire- Churchill
- Hooked up new service and set new transformer 141 S
 Carter St.
- Set Service Pole White Co High School Jumbotron
- Remove Service 239 King St- Tearing down house
- Completed Re-Routing of lines and Pole replacement on Spring St at Railroad
- Replaced one of four bad Double Circuit Poles from Ford Dealer to Sparta Exit
- Completed 5 Year VIP Investment Credit Agreement with Sparta Metal Processing, TVA and Sparta Electric
- Street & Security Light Maintenance
- Spraying and Bush hogging Right of Way

Kirk's Notes July 6th thru July 20th

Calls:

July 6th Structure Fire 34 Gracey St July 6th LZ Setup 401 Sewell Dr July 7th Fire Alarm 34 Gracey St July 11th Structure Fire 530 Flatt St July 11th Tree Fire 541 West Bockman Way July 11th LZ Setup 401 Sewell Dr July 14th LZ Setup

401 Sewell Dr

July 17th MVA Mose Dr in front of Panda Garden

Totals:

Structure Fire - 2 LZ Setup – 3 Fire Alarm - 1 Tree Fire – 1 MVA - 1

Other:

Upper Cumberland Fire Chiefs meeting July 17th hosted by Sparta Fire Dept.

Tonya Tindle

From:

Nick Dunn

Sent:

Monday, July 17, 2023 10:01 AM

To:

Tonya Tindle

Subject:

Re: Bullet points

Vcif grant is finished . We're waiting on approval from Ocjp Austin McCoy is scheduled to go to the academy in fall of this year. He is still in Fto and doing well.

775 calls in june 4145 calls year to date

Sent from my iPhone

On Jul 17, 2023, at 9:14 AM, Tonya Tindle <t.tindle@spartatn.gov> wrote:

I need bullet points for the agenda please!

Tonya R. Tindle

City Administrator

City of Sparta

Phone: 931-836-3248

6 Liberty Square Sparta TN 38583 Email: t.tindle@spartatn.gov

<image001.png>

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Tonya Tindle

From:

Mike O'Neal

Sent:

Monday, July 17, 2023 3:15 PM

To:

Tonya Tindle

Subject:

July 20th Board Meeting

Commercial

Burger King continues making progress 120 -250 Del Toro Circle making progress

Seeds of Hope have decided to demo their old home project and build new. (239 King St. between

Hardies and N. Wilson St.)

Residential

New homes permits are up from last month

Municipal Codes

We have had 4 yards to be cleaned by owner

We have 2 under notice

118 Gracey St. has been demoed leaving a vacant lot (This house was falling in and very

overgrown) We worked

with the owner resulting with no cost to the City.

Mike O'Neal

Codes Enforcement Officer

City of Sparta

Phone: 931-836-3248

6 Liberty Square Sparta TN 38583 Email: m.oneal@spartatn.gov



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