ENVIRONMENTAL COMPLIANCE & SAFETY DEPARTMENT STATUS REPORT
AUGUST, 2021

	BOD	**TSS**
Faulkner Lake	3.9 mg/L (30 Max.)	3.2 mg/L (30 Max.)
Maumelle	20.7 mg/L (30Max.)	8.2 mg/L (30 Max.)

	CBOD	**TSS**
Five Mile	23.9 mg/L (25 Max.)	29.2 mg/L (90 Max.)
White Oak	8.6 mg/L (25 Max.)	13.8 mg/L (90 max.)

Jaime Marrow
Office Assistant II

NORTH LITTLE ROCK WASTEWATER UTILITY

Memorandum

TO: Michael Clayton
FROM: Scott Kerby
DATE: 9/8/2021
RE: Engineering Department Major Projects Status

South Levy Indian Hills CIPP 2017 Rehabilitation Project: The Contractor has completed all of the line segments on the project for a total of 53,156 linear feet. The contractor is in the process of completing the punch-list items.

Dark Hollow Interceptor 2019 CIPP Rehabilitation: The Contractor is approximately 38% complete with the CIPP portion of the project. The manhole rehabilitation is scheduled to begin the week of 9/13/21. The project is on schedule to be completed in late September.

Rose City and Military Drive Basins Pipe Bursting 2021 Rehabilitation: The contract was awarded to Burkhalter Technologies. The material was received the week of 9/6/21, and pipe bursting activity is schedule to commence on 9/15/21.

Rose City and Military Drive Basins CIPP 2021 Rehabilitation: The contract was awarded to Insituform Technologies on July 15, 2021. The work should begin this month.

Cedar Street Sewer Improvements: Horseshoe Construction Pipe Burst 345 LF of 6" sanitary sewer main and installed and reconnected 7 services that were affected during the slope failure. The project is substantially complete.

Dixie and Baring Cross Basins Pipe Bursting 2021 Rehabilitation Project: This project consists pipe bursting of 18,858 LF of 6" and 8" sanitary sewer mains and externally reconnecting approximately 385 services. Request for authorization to bid this project is on the agenda.

7400 BAUCUM PIKE
P.O. BOX 17898
NORTH LITTLE ROCK, AR 72117-0898

PHONE (501) 945-7186
FAX (501) 945-3716

NORTH LITTLE ROCK WASTEWATER UTILITY

Memorandum

TO: Michael Clayton
FROM: Lyle Leubner
DATE: 09/08/2021
RE: Treatment Status Report

White Oak Influent Generator Project
Startup successful and project complete.

Liftstation Projects
Eureka & Judy Ln – New Pump #2 arrived and is online.

Faulkner Lake Belt Press
New vertical conveyor adapter parts arrived and are installed. Failed 10" roller on belt press #1 has been repaired and press is fully operational. New Sludge Grinder #2 installed.

Five Mile Plant
New 30" magmeter has been ordered for the Five Mile effluent flow. Estimated ship date is 11-5-21.

Faulkner Lake Plant
Due to pending sludge disposal increase from Waste Management, all primary and secondary sludge from the treatment plant has been diverted to the sludge storage lagoons for future land application.

Maumelle Plant
New effluent 150 HP pump arrived and is installed.

Solar Plant
Line of sight path from solar field to Five Mile Treatment plant has been cleared. Wireless radios and security camera system is being installed to monitor the solar field.

Faulkner Lake Clarifier Launder Cover Project
Two competitive bids received.

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NORTH LITTLE ROCK WASTEWATER UTILITY

Memorandum

TO: Michael Clayton
FROM: Marybeth Eggleston
DATE: 09/08/2021
RE: Environmental Compliance & Safety Status Report

The August Safety meeting on “Hearing Protection” was conducted via online activity. The video was posted, an email was sent to all staff with instructions on how to access it, and the timeline within to watch and send back signed acknowledgement.

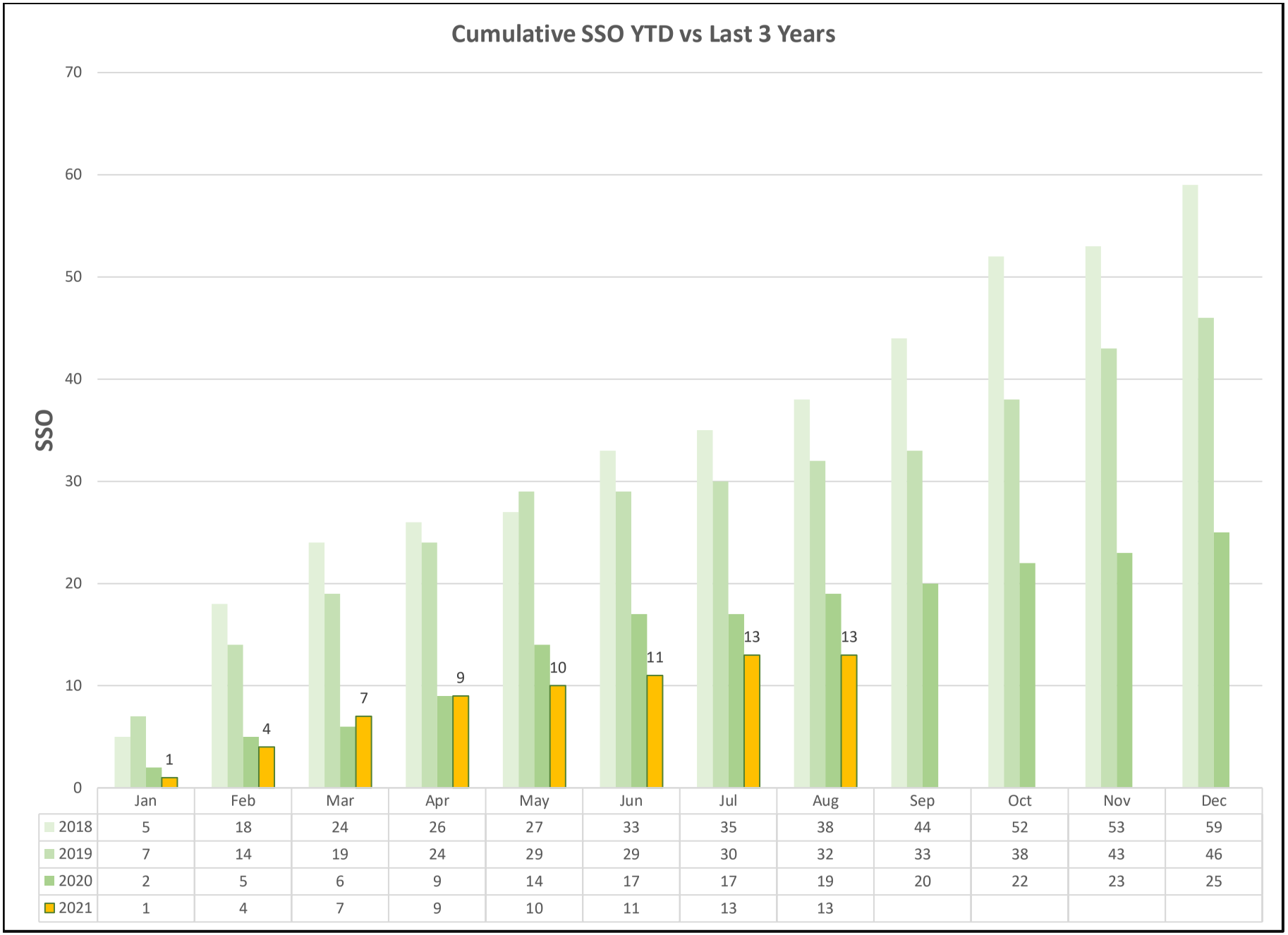
Third quarter water, sludge, and biomonitoring for all four treatment plants has been completed.

7400 BAUCUM PIKE
P.O. BOX 17898
NORTH LITTLE ROCK, AR 72117-0898

PHONE (501) 945-7186
FAX (501) 945-2367

NLRW Collections System Department
2021 Year-To-Date Work Recap Report

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Service Requests													
Total Requests	104	99	147	146	100	88	103	85					872
Trouble Crew Calls	60	62	90	83	66	60	50	57					528
Private Line Issue	28	36	46	32	19	17	22	19					219
NLRW Main or Manhole Issue	12	14	9	6	5	4	6	3					59
NLRW Force Main Issue	0	0	0	0	0	0	1	0					1
Other	21	16	23	17	22	26	24	28					177
Construction													
Point Repair	45	17	12	14	13	13	17	21					152
Open Cut (LF)	0	60	55	0	0	21	109	0					245
Manhole - Repair	4	8	6	2	6	3	23	5					57
Manhole - Rehab	9	10	22	32	17	26	44	11					171
Manhole - New Installation	0	4	4	0	1	0	7	0					16
Tap - New Installation	0	10	1	0	0	10	1	4					26
Tap - Disconnect	0	1	1	0	0	0	0	1					3
Maintenance													
Pipeline Cleaning (LF)	106,939	66,052	129,644	108,160	66,586	83,030	108,246	144,839					813,496
Pipeline CCTV (LF)	49,846	24,241	34,671	28,828	45,770	26,486	22,457	29,596					261,895
Service Lines													
Assistance Program (LF)	0	0	22	0	0	26	34	3					85
Inspections - New	30	28	27	47	18	20	26	13					209
Inspections - Replacement	12	6	10	14	4	8	12	5					71



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	5	18	24	26	27	33	35	38	44	52	53	59
2019	7	14	19	24	29	29	30	32	33	38	43	46
2020	2	5	6	9	14	17	17	19	20	22	23	25
2021	1	4	7	9	10	11	13	13				

AGENDA FOR
NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE MEETING

RE:	Committee Meeting
PLACE:	Faulkner Lake Treatment Plant Admin Conference Room
	7400 Baucum Pike, North Little Rock, Arkansas 72117
DATE:	September 14, 2021
TIME:	12:15 PM

(1) ROLL CALL OF THE COMMITTEE MEMBERS

(2) APPROVAL OF THE MINUTES OF THE AUGUST 10, 2021 MEETING

(3) CASH DISBURSEMENTS FOR AUGUST 2021

(4) FINANCIAL REPORT FOR AUGUST 2021

(5) SSES 2021 ENGINEERING SERVICES AGREEMENT

(6) PURCHASE NEW TRUCK FOR COLLECTIONS SYSTEMS MAINTENANCE DEPARTMENT

(7) ROOF REPLACEMENT ADMINISTRATION BUILDING

(8) DIXIE AND BARING CROSS BASINS PIPE BURSTING 2021 REHABILITATION PROJECT

(9) WHITE OAK TREATMENT PLANT EXPANSION

(10) EMERGENCY ACTION FIVE MILE CREEK INTERCEPTOR HWY 67/167

(1)

ROLL CALL of the COMMITTEE MEMBERS

(2)

NEW BUSINESS

ACTION REQUESTED

Approval of the Minutes of the August 10, 2021 Committee Meeting

NORTH LITTLE ROCK
WASTEWATER TREATMENT COMMITTEE

MINUTES OF A MEETING HELD TUESDAY, AUGUST 10, 2021

A meeting of the North Little Rock Wastewater Treatment Committee was held on Tuesday, August 10, 2021 at the administrative offices located at the Faulkner Lake Treatment Plant.

The meeting was called to order by Chairman Matthews at approximately 12:15 p.m. The roll was called and a quorum was present. Those in attendance at the meeting were Mr. K.W. Matthews, Mr. Sylvester Smith, Ms. Karen Bryant and Mr. Gabe Stephens. Also in attendance were Mr. Michael Clayton, Director, Ms. Gina Briley, Ms. Sarah Smith, Mayor's Chief of Staff, with the City of Maumelle, Mr. Scott Hilburn with Hilburn & Harper, Ltd. and Dawn Harmon.

First, the Committee reviewed the minutes of its July 13, 2021 meeting. After review, a motion was made by Mr. Stephens, seconded by Ms. Bryant, to approve the July 13, 2021 minutes. The motion carried unanimously.

Next, the Committee reviewed the cash disbursements for the month of July 2021. There being no questions or comments, a motion was made by Ms. Bryant, seconded by Mr. Stephens, to approve the cash disbursements for July 2021 reflecting total cash disbursements of $1,899,893.66 and fund transfers between accounts of $1,324,000.00. The motion carried unanimously.

Upon motion made by Mr. Stephens, seconded by Mr. Smith, the Committee unanimously approved the Financial Statement for July 2021.

Director Clayton then submitted the final draft of the Service Line Incentive Program to the Committee. This program is designed to encourage and assist homeowners with the replacement of aging sewer service lines. Since 2012, decreasing and eliminating inflow and infiltration (I/I) has been the number one objective for the NLRW to reduce or eliminate Sanitary Sewer Overflows (SSOs). During the last nine years, 471,182 linear feet of gravity sewer mains have been either rehabilitated or under contract for rehabilitation which is nearly 14% of the collection system for a total cost of $24 million. In addition to the efforts to reduce I/I, NLRW staff has been aggressively repairing and rehabilitating existing manholes through the collection system. During the same period, 8,988 manholes out of the 17,556 manhole structures have been repaired or rehabilitated. There are three major components of the collection system vulnerable to I/I. The first major

component is the sanitary sewer gravity collection system consisting of 6" through 54" mains. Another major component of the collection system is manholes or structures and the final component is private service lines. NLRW has been working to reduce I/I in two of the three components within the overall collection system. According to the Water Research Federation, 40 - 60% of the total I/I is attributed to decaying private service lines. By implementing a program to incentivize homeowners to modernize their service lines the Utility will have a positive impact reducing long-term I/I. The Service Line Incentive Program (SLIP) will allow up to 100% of the first $2,500 reimbursement to an eligible customer for replacing the service line for a residential structure. Director Clayton did point out that the exclusion, *if home or residence is less than 10 years old*, has been removed from the program. After a lengthy discussion, a motion was made by Ms. Bryant, seconded by Mr. Stephens, to authorize Director Clayton to utilize the services of Hilburn & Harper, Ltd. to develop an ordinance implementing the Service Line Incentive Program with proposed program fee or rate rider and submit a proposed program to the Mayor for approval by the North Little Rock City Council. The motion carried unanimously.

The Committee then discussed the slope failure which occurred during the early part of 2009, along the rear yards of multiple lots on the East side of North Cedar Street. The slope failure was also referenced as the hillside failure behind Hobby Lobby on John F. Kennedy Boulevard. NLRW has a six-inch gravity sewer main near the edge of the drop off. This main was removed from service sometime in 2010. There are six residential homes where NLRW installed above ground service lines and a gravity collection system with a pump station to redirect the sewer to another basin as a temporary solution to provide sewer service while the City determined the best course of action to stabilize the hillside. In 2017, a private improvement district hired a contractor under the direction of a Geotechnical Engineer to install a series of drilled piers to stabilize the area. Residents in the area have been waiting very patiently for a final resolution to restore the gravity sewer system to its original condition. Staff has made numerous attempts to find a contractor willing to take the calculated risk of restoring the sewer system. The most promising solution the staff has found is to pipe burst the existing six-inch concrete pipe and replace it with a six-inch HDPE joint-free pipe and to install new service lines for the six residential homes for $77,910.00. Horseshoe Construction has agreed to do the work, if approved. After further discussion, a motion was made by Mr. Smith, seconded by Mr. Stephens, to authorize the staff to enter into an emergency contract with Horseshoe Construction in the amount of $77,910.00 to restore the gravity sewer main and sewer services for the North Cedar Street area. The motion carried unanimously.

Director Clayton then reported to the Committee that only 52% of the employees at the Utility were vaccinated. Chairman Matthews asked if the Utility would institute a mask mandate for those employees not vaccinated. After further discussion, a motion was made by Mr. Smith, seconded by Mr. Stephens, to offer a $100 incentive for those employees who have already been vaccinated and the same incentive for those employees who get the vaccination and authorize the Director to institute a mask mandate. Further, all employees will be required to provide a copy of their vaccination card to the Utility. The motion carried unanimously.

Director Clayton then updated the Committee on the following:

-An appraiser has been hired to perform the appraisal on the property owned by Gene Pfeifer.

-Three employees were involved in an accident when hit by a drunk driver. All three employees are recovering and returning to work.

-The Utility is waiting on 37 easements to be acquired for the Maumelle Diversion Project. The project should be ready for bid by the end of the year.

A motion was made by Mr. Stephens, seconded by Ms. Bryant to authorize raising Executive Director's spending authority from $35,000 to $50,000. The motion carried unanimously.

-Negotiations are still ongoing with Union Pacific and an Agreed Order has been put in place to increase the GPM from 225 to 350.

-The American Rescue Plan Act has appropriated 1.7 billion available for projects. Director Clayton the Committee that the Utility was going to make application and if granted, would use the funds in the East Galloway area to Kerr Road.

A motion was then made by Mr. Smith, seconded by Mr. Stephens, to excuse the absence of Mr. Nelson from the meeting. The motion carried unanimously.

Chairman Matthews then presented a plaque to Ms. Gina Briley for her 30 years of service to the Utility.

A motion was then made by Mr. Stephens, seconded by Mr. Stephens, to order lunch from Gadwall's Grill for the September meeting. The motion carried unanimously with Ms. Bryant abstaining.

There being no further action to come before the Committee, a motion was made by Mr. Smith to adjourn the meeting. The motion carried unanimously, and the meeting was adjourned at approximately 12:54 p.m.

APPROVED AS TO FORM:	**RESPECTFULLY SUBMITTED,**
K. W. MATTHEWS, CHAIRMAN	SYLVESTER SMITH, VICE-CHAIRMAN/SECRETARY

(3)

CASH DISBURSEMENTS FOR AUGUST 2021

ACTION REQUESTED

Approval of the Cash Disbursements for August 2021 showing total
Cash Disbursements of **$1,764,201.80** and
Fund Transfers between accounts of **$1,305,400.00.**

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
52817	OCSE Clearinghouse SDU	$ 353.50	Child Support Obligation 2 Employees Payroll Ending 8/01/2021
52818	Heart of Arkansas United Way	$ 53.00	Employee Charitable Giving Payroll Ending 8/01/2021
52819	Loyd & McDaniel, PLC	$ 328.03	Garnishment CV-12-21 - 3RD of 4 payments Payroll Ending 8/01/2021
52820	NLR Community Center	$ 4.93	Wellness Membership Program 1 Employee Payroll Ending 8/01/2021
NAT-16	Nationwide Retirement Solutions	$ 2,630.00	Retirement Contributions - Pay Period Ending 8/01/2021
PR-16	Payroll Tax Deposit	$ 41,379.98	Payroll Taxes - Pay Period Ending 8/01/2021
52821	Advantage Service Company	$ 419.49	Service Call, Refrigerant, Coil Cleaner - Collections Bldg.
52822	American Composting, Inc.	$ 4,143.37	Grease, Sand, Dirt Disposal - Shillcutt, 5-Mi, FLTP Drying Bed
52823	AT&T	$ 1,571.34	FLTP Monthly Phone Service; Internet Security Distributed Denial of Service
52824	Battery Outfitters	$ 334.12	Batteries for Clayton Chapel Generator
52825	Boston Mutual Life Insurance Co.	$ 378.93	Employee Paid Supplemental Insurance
52826	Centerpoint Energy	$ 133.02	Gas Bills: Osage Hills Gen, Norfolk, Maum Valley, Seminole East, Seminole West, New Bedford, CC Ball Fields
52827	Cintas	$ 2,071.77	Mat & Towel Service, Ultra Clean CSE Locker Room, Uniform Service
52828	Connecting Point	$ 115.67	Computer Shell & Power Supply
52829	Crow Burlingame Co.	$ 158.15	Diesel Exhaust Fluid - VacCons
52830	Discount Trophies	$ 91.56	30 Year Plaque - 1 Employee
52831	Elliott Electric Supply Inc.	$ 793.01	Wasp Spray, Cold Galv Instant, Electrical Tape, Long Nose Pliers, Zipper Pouch, 18 Ga BSC Wire
52832	Entergy	$ 3,698.09	Electric Bills: Town Ctr, Lawrence, Masters Place, Maumelle #2, Wh Oak Lagoons, Palisades
52833	Fuller and Son Maumelle	$ 103.31	PVC Pipe, PVC Purple, Garden Hose, PVC 90 Ell, PVC Male Adapter, Sealant, Polymer Hose Mender, Plastic Hose Shut Off, PVC Threaded Coupling
52834	Goodsell Truck Accessories	$ 365.79	Tool Box for Unit 124
52835	Harcros Chemicals	$ 2,820.99	Chlorine & Sulfur Dioxide Cylinders
52836	HCI, Inc.	$ 136.88	Relocate Phone Extension 152
52837	Hum's Hardware	$ 1,229.80	Hex Key Set, Solder Iron, Boots, Lineman Pliers, Hay Hooks, Pump Sprayer, Coil Cleaner, Gorilla Tape, Deep Impact Socket, Sawsall Blade, Duct Tape, Rivet Tool, Batteries, Bottled Water, Phone Bracket, Carriage Bolts, Lock Nuts, Spray Handle, Spray Paint, Thread Locker, TorxHex Key Set, 5-Gal Water Coolers, Rain Coat, Great Stuff Foam, Wraptor, Liquid Nails, 100' Outdoor Extension Cords, Putty Knife, Caulk Gun, Flat Washers, Hex Bolts, Knocout Seal, Drill Bits, Stainless Steel Lock Washers, Air Line Nipples, Ball Valves, Brass Close Nipples, Street Elbows
52838	Hum's Rental	$ 80.37	Rammer - Ward 4
52839	Jack Tyler Engineering Co.	$ 2,984.01	Rebuild Myers Pump Bridgeway PS
52840	Jimmy Don Waddles Hauling, Inc.	$ 2,520.00	Hauling Sludge from MTP to WOTP - 14 Loads 7/28/2021 - 8/02/2021
52841	L&L Municipal Supplies & Tools	$ 286.89	Squincher Fast Packs, Sugar Free Squincher

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
52842	Lowe's	$ 2,766.87	Treated Lumber, Paint, Air Conditioners, Breaker, Ratchet Straps, CAT Rated Sheathing, Stain, Assorted Supplies
52843	MyFleetCenter	$ 97.35	Unit 148 - Oil Change
52844	O'Reilly Automotive Stores	$ 55.83	Blade Runner for Lawn Maintenance
52845	Peterson Concrete Septic Tank	$ 955.68	4' Riser, Flat Top, Ring & Cover - Ward 2
52846	Scott Products, Inc.	$ 805.58	5 Cases of Buccaneer - WOTP, 5-Mi TP, MTP
52847	Southern Pipe & Supply	$ 61.74	Plastic couplings for Repair in Ward 5
52848	Spa Chemicals, Inc.	$ 860.61	Pop Up Towels, Odor Digester, Germ Away Wipes
52849	Stanley Hardware	$ 96.31	Brass Hose Nozzles, Brass Garden Hose Shut Offs, Flexgen Garden Hose
52850	Tri-State Enterprises, Inc.	$ 122.29	Step Bar for Unit 154
52851	United States Plastic Corporation	$ 606.35	Mesh Screen, Clearflo Tubing, Polyethylene Tubing
52852	UBS	$ 417.16	Water Bills; 5-Mi TP, Heilman WO, Shillcutt, WOTP, Delta Lawn, Shorter College, Oakbrook
52853	Washington National Insurance Co.	$ 1,049.55	Employee Paid Supplemental Insurance
52854	Waste Management	$ 1,749.91	Dumpster Service/FLTP, 5-Mi, VacCons, WOTP, Shillcutt, MTP
52855	Wholesale Electric Supply	$ 3,038.58	Stainless Steel Riveted Padlock Hasps, Swing Panel Kits, Swing Panel Brackets
52856	A-1 Recovery	$ 191.63	Winch Out #143
52857	Division of Environmental Quality	$ 7,950.00	Permit Fees - MTP
52858	V O I D	$ -	V O I D
52859	Advantage Micro Corp	$ 1,055.45	3-yr Renewal EmiSoft Business Security
52860	AFLAC	$ 1,419.30	Employee Paid Supplemental Insurance
52861	Arkansas Dept of Emergency Management	$ 90.00	Gov't Surplus Folding Tables and Office Chairs -Ops
52862	Arkansas Lawntech	$ 950.00	Mow Ditches - 5 times
52863	Arkansas Sod & Turf Farm, Inc.	$ 1,179.89	Grass Repairs Wards 2, 0, 1
52864	B&B Material Companies	$ 28.74	Sandy Loam - Ward 0
52865	Battery Outfitters	$ 64.80	Batteries - Engineering
52866	Bill's Lock and Safe	$ 158.78	Keys for Unit 134
52867	Brady Industries of Arkansas, Inc.	$ 447.07	Presto Wipes, Mechanical Wipes, Black Bags
52868	Centerpoint Energy	$ 818.43	Gas Bills: 701 W. 29th, FLTP, FL Lab
52869	Change Center for Health	$ 3,314.00	Wellness Center, September 2021
52870	Cintas	$ 694.09	First Aid Cabinet Refills: Pump Maint, Ops, Collections, Lab
52871	City of Maumelle	$ 12,360.27	Franchise Tax paid July
52872	City of North Little Rock	$ 79,170.00	Franchise Tax paid July
52873	Datamax	$ 127.99	Copier Maint & Overage - Admin
52874	Dept of Finance & Admin	$ 14,180.11	State Withholding Tax July
52875	Doorking, Inc.	$ 51.95	FLTP Gate1 Cell Service

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
52876	Elliott Electric Supply Inc.	$ 312.21	Galv. Short Slot Struts, STR Red 500', Black UV Rated Cable Ties, Black Ty-Rap, Safety Glasses, Gasket - for Unit 134 Stock
52877	Entergy	$ 1,634.06	Electric Bills: Norfolk, Cts Massie, CC BallFlds, Cts Massie #2, Collins Ind, Maumelle Woods, Crystal Bay, Hwy 365, Bridgeway #2, WO Bar Scr, Bouries, Maranes, WO Structure
52878	FedEx	$ 37.89	Ship Camera in Box
52879	First Electric Cooperative	$ 202.80	Gap Creek Electric Bill
52880	Fisher Scientific	$ 1,020.29	pH Probe, Vinyl Tubing, Discide Spray - Lab Testing & Disinfecting
52881	Gene Denio	$ 42.00	Reimburse for CDL License
52882	Grainger	$ 320.94	Motor Start Capacitors, Potential Relays, Overload Relays
52883	Granite Mountain Quarries	$ 1,142.92	75.91 tons #69 Stone
52884	Green & Chapman, Inc.	$ 142.68	Diesel Exhaust Fluid
52885	Halbert Pipe and Steel	$ 948.34	Square Tube, Angle, Flats - to build Ladder Rack in Collections
52886	Harbor Freight Tools	$ 250.73	Garden Hose, Tool Bag, Hose Nozzles, C-Clamps, Pliers Set, Tool Set w/Case
52887	Henard Utility Products	$ 2,484.70	Repair Parts for Camera Transporter (Connectors, Screws, Cables, etc.); 20 tubes Synthetic Grease + Freight
52888	Home Depot Credit Services	$ 514.98	Mower Spindle Assembly, Cordless 3-Speed Drill & Saw
52889	Hum's Hardware	$ 964.42	Barrell Fans, Posthole Digger, 3600 Sft Sprinkler, Zero G Water, Hex Key Set, Poly Rope, Duct Tape, Lantern Batteries, Water Cooler, Lectro Motive Clean
52890	Hum's Rental	$ 297.97	Excavator - Ward 2
52891	Instrument & Supply, Inc.	$ 105.18	4" Profile Seal - Diamond Point
52892	Jhook Towing & Recovery	$ 164.25	Tow Unit 132 - Eureka Gardens to FLTP
52893	Jim's Tree Service	$ 500.00	Tree Removal Ward 5
52894	Jimmy Don Waddles Hauling, Inc.	$ 4,500.00	Biosolids hauling Maumelle to White Oak - 25 Loads 8/3 - 8/9
52895	L&L Municipal Supplies & Tools	$ 440.19	Sewer Hose Mender Couplings, Short Manhole Hooks
52896	Liberty Trailer Co., Inc.	$ 43.54	Emergency Lights Unit 111
52897	Metro-Repro, Inc.	$ 403.68	Print Head for Plotter - ENG
52898	Nationwide Trailers, LLC	$ 9,110.40	Truck Bed for 2021 Dodge Ram 3500 Single Cab
52899	New Age Industries	$ 1,070.33	Sampler Tubing for all Treatment Plants
52900	NLR Welding Supply, Inc.	$ 174.90	Cylinder Rental
52901	O'Reilly Automotive Stores	$ 160.32	Hyd Filters, Blades, Wire Wheel, JB Weld, 11 Pc Socket Set, Rubber Plugs
52902	Pettus Office Products	$ 1,443.56	Sugar Packets, Folders, Pens, Copy Paper, Mr. Clean Sponges, Coffee, Coffee Filters, Creamer, Stevia, Toner Cartridges, Staplers, Water Bottles, Paper Towels, Hand sanitizer, Tylenol, Post Its, Flash Drive, 12 oz. Bowls, Napkins, Plates, Desk Calendars, Wall Planner, Appointment Book, Calendar Refills, 8 oz cups, Post It Pop Ups
52903	River Rock CDL Training, LLC	$ 8,000.00	4 Weeks CDL Training for 2 Employees

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
52904	Sherwin Williams	$ 185.11	Paint & Supplies - Pump Maintenance Office
52905	Ski Brothers Heat & Air	$ 191.57	Service Call - Collections Bldg.
52906	Sonny Fulmer Trucking	$ 557.85	Gravel Hauling to 29th Street
52907	Spa Chemicals, Inc.	$ 1,143.18	Spa Odor Digester
52908	Stanley Hardware	$ 13.10	4 x BIT IMP
52909	TC Print Solutions	$ 1,526.21	Grease Mailer Inserts - 56,000 copies
52910	Test Rite LLC	$ 100.00	Test RPZ at Delta Lawn
52911	USA Bluebook	$ 1,692.54	Transducer - MTP, Silicone Pump Tubing, FC Broth
52912	UBS	$ 1,783.07	Water Bills: Murphy Dr., MTP, FLTP, FL Lab, Fire Service Fee
52913	Welsco	$ 45.87	Welding Gas Cylinders
52914	Heart of Arkansas United Way	$ 43.00	Employee Charitable Giving Payroll Ending 8/15/2021
52915	Loyd & McDaniel, PLC	$ 306.76	Garnishment CV-12-21 - 4th of 4 payments Payroll Ending 8/15/2021
52916	NLR Community Center	$ 4.93	Wellness Membership Program 1 Employee Payroll Ending 8/15/2021
52917	OCSE Clearinghouse SDU	$ 513.50	Child Support Obligation 3 Employees Payroll Ending 8/15/2021
NAT-17	Nationwide Retirement Solutions	$ 2,605.00	Retirement Contributions - Pay Period Ending 8/15/2021
PR-17	Payroll Tax Deposit	$ 44,803.33	Payroll Taxes - Pay Period Ending 8/15/2021
52918	Ace Pipe Cleaning, Inc.	$ 36,522.25	Upper Riverside Interceptor Ph 2
52919	Advantage Service Company	$ 181.56	Service Call Leaking Air Duct Payroll Office
52920	Ameriprise Trust Co.	$ 1,317.50	Quarterly Pension Plan Servicing
52921	Arkansas One-Call System, Inc.	$ 500.95	Member Fee/August; Call Fee/July
52922	AutomationDirect.com, Inc.	$ 1,077.48	12 x Audible Alarm Buzzers & Lights for Lift Stations
52923	Brady Industries of Arkansas, Inc.	$ 86.56	Black Can Liners
52924	Brown Janitor Supply	$ 15.76	Replacement Mop Heads
52925	Centerpoint Energy	$ 86.68	Gas Bills: Austin Lakes, Gap Ck Gen, Dixie, Eureka Grd Gen, Clayton Chapel
52926	Cranford Construction Co.	$ 401.76	Asphalt Repairs Wards 2 & 3
52927	Datamax	$ 79.02	Copier Maint & Overage - Engineering
52928	Eddie's Concrete LLC	$ 1,500.00	Driveway Repair - Ward 4
52929	Entergy	$ 56,166.26	Electric Bills: WO Lagoons, MTP Eq, Surge, 5-Mi Infl, 5-Mi S, 5-Mi Ck #1
52930	ESRI, Inc.	$ 25,000.00	License Agreement City Works to 8/25/2022
52931	Sherwood Express Oil	$ 55.04	Unit 146 Oil Change
52932	FedEx	$ 79.98	Ship Camera in Box & Final Contracts Rose City, Military Dr CIPP
52933	Fleet Tire Service	$ 472.30	Unit 112 New Tire Rim Break & Mount
52934	Grainger	$ 143.46	Motor Start Capacitors, Potential Relays - Maumelle Pump Stations
52935	Granite Mountain Quarries	$ 380.72	35.66 Tons Class 7 Base
52936	Haynes Equipment Co., Inc.	$ 901.34	Level Indicators - Float Stick Controllers Shillcutt
52937	Henard Utility Products	$ 967.98	Unit 143 - Quick Disconnects + Freight
52938	Hum's Rental	$ 618.20	Buggy Track Ward 5

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
52939	Jack Tyler Engineering Co.	$ 23,412.20	Spiral Vertical Conveyor - FL Belt Press Budget Item 2020
52940	Jimmy Don Waddles Hauling, Inc.	$ 3,780.00	Biosolids hauling Maumelle to White Oak - 21 Loads 8/12 - 8/16
52941	Kittle's Garage, Inc.	$ 484.56	Unit 119, Towing and Cooling System Repairs
52942	L&L Municipal Supplies & Tools	$ 1,077.48	Driver's Gloves and Tiger Tails
52943	Netgain Technologies	$ 16,926.03	1-Yr Unlimited Cloud Storage, Instant Replacement, Energize Updates-790 through 8/12/2022
52944	Newark Element14	$ 1,069.87	Relays, Relay Sockets - Lift Stations SCADA Budget
52945	North Little Rock Electric	$ 384.80	Electric Bill Wilcox PS
52946	Capital One Trade Credit	$ 39.99	Annual Membership Renewal Includes Free Shipping
52947	Northside Sales Co.	$ 190.53	Safety Glasses x 49 pairs
52948	Pettus Office Products	$ 523.44	Batteries, Notebooks, Purel Sanitizer, Disinfectant Wipes, Cups, Plates, Toner Cartridges, Postage Machine Ink
52949	Polytec, Inc.	$ 7,583.81	3000 Lbs Polymer - FLTP
52950	Post Oak Acres, Inc.	$ 105.00	Dirt and Topsoil - Repairs Ward 5
52951	Powers Truck & Equipment	$ 3,885.94	Parts, Labor, Shipping to Replace Trailer #9 Leg; Repairs Unit 149 Ck Engine Light Bad, DEF Sending Unit, Drain Radiator, Refill w/Coolant
52952	RGA	$ 14.67	Couplers for Spraymate
52953	RJN Group, Inc.	$ 11,609.00	2020 SSES Prof Svc thru 7/23/2021
52954	Scott Automotive Center	$ 118.88	New Battery Unit 117
52955	Sutherland Enterprises, Inc.	$ 689.85	Summer Caps - Treatment & ECS
52956	Teledyne Instruments, Inc.	$ 1,045.42	Composite 2-Gal Bags; Silicone Rubber Pump Tubing for Sampling all WTP's
52957	USA Bluebook	$ 1,036.44	Buffers pH 4, 7, 10; N-95 Masks, Lubricant
52958	Verizon Wireless	$ 2,562.93	Monthly Cell & iPad Service
52959	Welsco	$ 52.49	Argon, CO2 - gas for PM Shop
ELECPYMT-15	AT&T	$ 104.91	Shared Fiber
ELECPYMT-16	Centennial Bank Credit Card	$ 4,297.26	Video Door System, Parts for Weedeaters, Job Ads, Conf Reg Fee/Clayton, Airfare, PC Memory, Committee Lunch, Domain Renewal, Map Copier Maint, Hotel/Clayton, Motherboard, Oil Change #119
52960	V O I D	$ -	V O I D
52961	Applied Industrial Technologies	$ 244.67	Ball Bearings for 5-Mi Exhaust Fans
52962	AT&T Mobility	$ 2,217.45	Monthly Mobile Service SCADA
52963	Brady Industries of Arkansas, Inc.	$ 191.58	C-Fold Towels
52964	Consolidated Pipe & Supply	$ 2,111.62	Ferncos, Saddles, Bends - for Inventory
52965	Control Worx	$ 509.13	Filter & Vent Screen Assembly for Chlorinator
52966	Crist Engineers	$ 14,105.00	Infrastructure Improvements - Invoice Period June 27, 2021 through July 24, 2021 Maumelle Diversion to White Oak (Executed 2/8/2018)
52967	Cummins Mid-South LLC	$ 671.14	Generator Repair (via unit #139)

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
52968	A Arkansas Mobile Barns	$ 1,028.38	Three Year Refund of Sewer Charges-Location is on Septic Tank
52969	Darrell R. Sansom	$ 6,500.00	Consulting for August 2021 + Extra Time Setting Up Office 365 Accounts
52970	Datamax	$ 104.13	Copier Maintenance and Overage - Collections
52971	Entergy	$ 18,045.08	Electric Bills: Osage Falls, Ridgeland/Odom, MTP Main, MTP PS4
52972	Ferstl Valuation Services	$ 5,000.00	Appraisal Report - White Oak Land 1.75 Acres
52973	Fuelman	$ 13,586.73	Fleet Purchases of Gas & Diesel - July 2021
52974	G2 Customz	$ 409.69	Ladder Rack for New Truck in Collections
52975	Grainger	$ 329.18	Start Capacitors, Mini Circuit Breakers
52976	Gravel Ridge Sewer District 213	$ 39,099.68	Billed Accounts - July
52977	Green & Chapman, Inc.	$ 58.34	2 Cartons of Equipment Grease
52978	Halbert Pipe and Steel	$ 824.54	Flat Expanded Metal, Shear Charge - for Ladder Rack
52979	Halff Associates	$ 975.00	Prof Svs through 7/31/21 - Skyline Relocation - Survey
52980	Harbor Freight Tools	$ 43.79	Cobalt Step Drill
52981	Henard Utility Products	$ 11,103.25	Repair Cues Camera + Freight; Cues Track Transporter (Budget Item)
52982	Hilburn & Harper, Ltd.	$ 3,016.00	Legal/July - Special Projects, Retainer, UPRR Permit Appeal
52983	ICM Technologies, Inc.	$ 861.34	12 packs of Sealguard II - Manhole Crew
52984	Instrument & Supply, Inc.	$ 37,072.91	150 HP Hydromatic Pump for MTP
52985	Jimmy Don Waddles Hauling, Inc.	$ 2,980.00	Biosolids hauling Maumelle to White Oak - 21 Loads 8/17 - 8/19
52986	Keeling Company	$ 156.23	Couplings, PVC Pipe, PVC Cement, Purple Primer/Repair in Ward 4; Frost Proof Yard Hydrant/Shillcutt PS
52987	L&L Municipal Supplies & Tools	$ 195.58	Driver Gloves, Duct Tape, Electric Tape
52988	Legal Shield	$ 89.70	Employee Prepaid Legal
52989	Lou's Gloves, Inc.	$ 2,190.00	Nitrile Gloves for Lab Stock
52990	Mitch's Tire Service	$ 662.51	Unit 109 - New Tires
52991	Municipal Health Benefit Program	$ 67,612.42	Employee Health Insurance - September 2021
52992	MyFleetCenter	$ 100.96	Unit 131 - Oil Chage
52993	North Little Rock Electric	$ 38,507.79	Electric Bills: Maryland Place, I-440 Industrial, FL CS&E, FL Sludge, FL Admin, FL PLT Maint, Maryland E, Hwy 107, Oakbrook, Galloway/Maybelline, Shorter Coll, Dixie, Delta Lawn, Lansbrook/Holt, Faulkner Xing, Cypress Xing, Harris Ind, Baucum Ind, Lakewood, Pinetree Pt, WO Gate, 3 x Nona, FL Blower, Shillcutt, FLTP, FL Lab
52994	Northside Sales Co.	$ 953.27	Gloves & Wipers & Safety Glasses
52995	Peterson Concrete Septic Tank	$ 194.58	Grade Ring & MH Cone - Ward 2
52996	Pettus Office Products	$ 467.32	Napkins, Tabbed Folders, File Cards, Markers, Index Flags, Desk Pad Calendar, Ink Cartridges, Jacket Files
52997	Post Oak Acres, Inc.	$ 35.00	Dirt - Repair Ward 4
52998	Powers Truck & Equipment	$ 699.14	Hydraulic Pressure Gauge / #142; Unit 113 Replace Fan Belt, AC Belt, Labor, etc.

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
52999	Professional Forms & Supplies	$ 422.98	2000 Accounts Payable Checks Begin #53351
53000	RGA	$ 176.30	#144 Clamp for Discharge Hose, 50' Discharge Hose Assembly
53001	Sewer District #211	$ 65,929.01	Billed Runyan Acres Accounts - July
53002	Sonny Fulmer Trucking	$ 6,000.00	Clearing Brush at Solar Farm to 5-Mi TP 15' each side of road
53003	Southern Pipe & Supply	$ 558.80	Shut Off Valve for Water Line - Ward 3
53004	Spa Chemicals, Inc.	$ 1,517.31	Pop Up Towels, Odor Digester, Center Pull Towels, Multifold Towels, Toilet Tissue, Bug Blaster, Bug Ban Plus, Wasp & Hornet Killer, Roach & Ant Spray
53005	Thomas Engineering Co.	$ 2,500.00	Topographic ROW Survey N. Cedar, Block 64, Park Hill
53006	Waste Management	$ 1,528.35	Dumpster Service/FLTP, 5-Mi, VacCons, WOTP, Shillcutt, MTP
53007	Water Environment Federation	$ 105.00	Membership Renewal - one Employee
Elecpymt-17	Purchase Power	$ 806.50	Postage Purchased on PO 211374
53008	Phillip O Neal	$ 1,750.00	Repair Driveway and Steps-808 W F Ave.
53009	OCSE Clearinghouse SDU	$ 513.50	Child Support Obligation 3 Employees Payroll Ending 8/29/2021
53010	Heart of Arkansas United Way	$ 43.00	Employee Charitable Giving Payroll Ending 8/29/2021
53011	NLR Community Center	$ 4.93	Wellness Membership Program 1 Employee Payroll Ending 8/29/2021
NAT-18	Nationwide Retirement Solutions	$ 2,605.00	Retirement Contributions - Pay Period Ending 8/29/2021
PR-16	Payroll Tax Deposit	$ 45,795.70	Payroll Taxes - Pay Period Ending 8/29/2021
Elecpymt-18	Entergy	$ 180.34	Electric Bill for River Run Pump Station
	TOTAL CASH DISBURSEMENTS	**$ 909,010.76**	
	Pay Period Ending 8/1/2021	$ 130,758.20	
	Pay Period Ending 8/15/2021	$ 135,442.43	
	Pay Period Ending 8/29/2021	$ 135,738.51	
	ADFA Draws	$ 379,598.45	
	Monthly Clearent Fee	$ 28.45	
	Series 2016 Checks	$ 73,625.00	
	TOTAL ALL FUNDS CASH DISBURSEMENTS	**$ 1,764,201.80**	

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
2016 CONSTRUCTION FUND
August 31, 2021

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
ACH-4	Insituform Technologies	$ 73,625.00	Estimate #1 for Dark Hollow CIPP Project
		$ 73,625.00	

NORTH LITTLE ROCK WASTEWATER
FUND TRANSFERS
August 31, 2021

DATE	AMOUNT	TO	FROM	DESCRIPTION
8/2/2021	$ 125,300.00	Operating-Payroll	Sewer	Transfer for 8/1/21 Pay Period, Paid to Employees on 8/3/21
8/6/2021	$ 81,900.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 8/2-8/6
8/10/2021	$ 167,900.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 8/10
8/17/2021	$ 135,400.00	Operating-Payroll	Sewer	Transfer for 8/15/21 Pay Period, Paid to Employees on 8/17/21
8/20/2021	$ 255,800.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 8/16-8/20
8/25/2021	$ 352,500.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 8/25
8/31/2021	$ 135,700.00	Operating-Payroll	Sewer	Transfer for 8/29/21 Pay Period, Paid to Employees on 8/31/21
8/31/2021	$ 50,900.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 8/30-8/31
	$ 1,305,400.00			

(4)

FINANCIAL STATEMENTS FOR AUGUST 2021

ACTION REQUESTED

Approve the Financial Statements for August 2021.

North Little Rock Wastewater
Balance Sheet
Tuesday, August 31, 2021

ASSETS	
CURRENT ASSETS	
PETTY CASH	$500.00
CASH IN BANK	$8,356,777.50
CERTIFICATES OF DEPOSIT	$10,270,208.11
ADFA HOLDING ACCOUNTS	$1,518,428.48
ACCOUNTS RECEIVABLE	$3,196,755.58
ACCRUED INTEREST RECEIVABLE	$2,482.17
ON-SITE INVENTORY	$87,078.70
PREPAID LIABILITY INSURANCE	$44,620.55
PREPAID WORKERS COMPENSATION INSURANCE	$20,259.36
OTHER PREPAID EXPENSES	$114,359.36
TOTAL CURRENT ASSETS	$23,611,469.81
PROPERTY, PLANT & EQUIPMENT	
LAND	$3,139,810.46
PUMPING STATION STRUCTURES	$12,075,543.86
SEWER SYSTEM LINES	$89,258,707.20
TREATMENT PLANT STRUCTURES	$78,109,700.84
ADMINISTRATION & MAINT. & ENG. BUILDINGS	$4,299,154.91
LABORATORY BUILDING	$1,235,878.63
SEWER SYSTEM EQUIPMENT	$12,772,171.28
EST. VALUE OF OLD SEWER LINES	$5,081,361.47
CONSTRUCTION IN PROGRESS	$6,151,845.02
ACCUMULATED DEPRECIATION	($84,671,254.79)
TOTAL PROPERTY, PLANT & EQUIPMENT	$127,452,918.88
OTHER ASSETS	
RIXIE OM&R RECEIVABLE	$172,657.70
DEFERRED OUTFLOWS RELATED TO PENSION	$2,251,234.00
TOTAL OTHER ASSETS	$2,423,891.70
TOTAL ASSETS	$153,488,280.39

North Little Rock Wastewater
Balance Sheet
Tuesday, August 31, 2021

LIABILITIES	
CURRENT LIABILITIES	
ACCOUNTS PAYABLE	$54,895.93
OWED TO OTHER DISTRICTS	$108,412.50
FRANCHISE FEE PAYABLE	$187,670.80
PAYABLE TO EUREKA GARDENS	$3,975.00
ACCRUED SICK LEAVE	$433,644.46
ACCRUED VACATION LEAVE	$248,034.75
ACCRUED EMPLOYEE BENEFITS	$2,046.70
ACCRUED INTEREST PAYABLE	$440,120.82
ACCRUED PENSION PLAN CONTRIBUTION	$533,341.36
TOTAL CURRENT LIABILITIES	$2,012,142.32
OTHER LIABILITIES	
BONDS PAYABLE-SERIES 2001	$1,939,880.00
BONDS PAYABLE-SERIES 2008	$8,293,395.08
BONDS PAYABLE-SERIES 2012	$16,222,465.40
BONDS PAYABLE-SERIES 2016	18,447,801.00
RESERVE FOR BIO-SOILD DISPOSAL	$1,628,943.87
RESERVE FOR INJURIES & DAMAGES	$530.79
OPEB OBLIGATION-GASB 45	$140,768.00
NET PENSION LIABILITY	$2,451,855.00
DEFERRED INFLOWS RELATED TO PENSIONS	$617,194.00
TOTAL OTHER LIABILITIES	$49,742,833.14
EQUITY	
CONTRIBUTED CAPITAL	$30,110,329.51
DONATED CAPITAL	$17,727,878.80
RETAINED EARNINGS	$49,363,881.87
CURRENT YEAR NET INCOME / (LOSS)	$4,531,214.75
TOTAL EQUITY	$101,733,304.93
TOTAL LIABILITIES & EQUITY	$153,488,280.39

North Little Rock Wastewater
Income Statement
For the Eight Months Ending Tuesday, August 31, 2021

	YEAR TO DATE BUDGET	YEAR TO DATE 2021	YEAR TO DATE 2020
REVENUE			
OPERATING REVENUE			
INSIDE NLR SERVICE CHARGES	$8,915,600.00	$9,787,017.31	$8,850,234.84
OUTSIDE NLR SERVICE CHARGES	$2,061,300.00	$2,153,260.81	$2,043,114.18
MAUMELLE SERVICE CHARGES	$2,129,900.00	$2,241,886.76	$2,133,300.99
SHERWOOD TREATMENT CHARGES	$347,900.00	$353,711.42	$141,776.00
CUSTOMER SERVICE CHARGES	$35,200.00	$35,968.78	$35,416.85
SERVICE CHARGE REFUND	$0.00	($962.51)	($660.96)
INDUSTRY REGULAR CHARGES	$1,168,800.00	$1,096,371.20	$1,154,857.52
INDUSTRY SURCHARGE/PENALTY CHARGES	$101,600.00	$200,330.26	$155,308.96
INDUSTRY LATE FEE CHARGES	$1,000.00	$1,590.95	$4,699.91
LATE FEE CHARGES-RES. & COM.	$244,000.00	$222,483.21	$239,819.65
TIE-ON FEE CHARGES	$0.00	$50,557.59	$73,322.00
CONNECTION INSPECTION PERMITS	$26,400.00	$23,670.00	$26,170.00
PARTIAL INSPECTION PEMITS	$0.00	$450.00	$180.00
TAP & STREET CUTTING PERMITS	$7,200.00	$9,800.00	$7,700.00
REVIEW PLANS & SPECIFICATIONS	$0.00	$5,306.07	$4,114.65
TOTAL OPERATING REVENUE	$15,038,900.00	$16,181,441.85	$14,869,354.59
NON OPERATING REVENUE			
INTEREST EARNED INCOME-SECURITES	$17,600.00	$18,685.88	$92,676.62
INTEREST EARNED INCOME-CHECKING	$19,200.00	$16,200.43	$26,288.42
INTEREST EARNED INCOME-NOTES	$0.00	$0.00	$3,516.26
DISCOUNTS EARNED	$0.00	$202.04	$147.01
MISCELLANEOUS INCOME	$0.00	$12,049.74	$3,960.98
TOTAL NON-OPERATING REVENUE	$36,800.00	$47,138.09	$126,589.29
TOTAL REVENUE	$15,075,700.00	$16,228,579.94	$14,995,943.88

North Little Rock Wastewater
Income Statement
For the Eight Months Ending Tuesday, August 31, 2021

	YEAR TO DATE BUDGET	YEAR TO DATE 2021	YEAR TO DATE 2020
OPERATING EXPENSES			
TROUBLE CREW	$100,000.00	$87,811.01	$83,543.18
MANHOLE CREW	$84,800.00	$66,136.83	$67,485.52
POWER DRIVE CREW	$50,400.00	$23,048.80	$37,991.86
TELEVISION CREW #1	$100,000.00	$99,860.44	$92,800.47
TELEVISION CREW #2	$100,000.00	$87,048.43	$90,183.75
COLLECTION SYSTEMS-GENERAL	$1,062,200.00	$812,140.55	$975,822.90
REPAIR CREW #1	$143,200.00	$116,019.78	$141,443.90
REPAIR CREW #2	$143,200.00	$103,796.65	$123,714.41
REPAIR CREW #3	$142,300.00	$85,539.54	$111,608.20
REPAIR CREW #4	$142,500.00	$86,980.95	$138,209.81
POWER RODDING CREW #1	$45,600.00	$11,060.26	$22,518.93
VAC-CON CREW #1	$134,400.00	$139,964.68	$133,236.41
VAC-CON CREW #2	$120,800.00	$112,920.87	$92,304.73
VAC-CON CREW #3	$116,800.00	$107,017.07	$105,241.27
VAC-CON CREW #4	$0.00	$14,831.17	$23,303.59
VAC-CON CREW #5	$116,700.00	$112,081.23	$111,747.71
LOCATION WORK	$30,400.00	$27,826.41	$25,627.78
ENGINEERING OFFICE	$334,600.00	$234,846.70	$234,077.83
GENERAL ENGINEERING DEPT.	$220,800.00	$182,854.43	$159,145.52
ENV.COMPL. & SAFETY DEPT	$723,200.00	$674,652.18	$604,604.27
TREATMENT DEPARTMENT	$2,996,800.00	$2,589,412.17	$2,631,244.83
PUMP STATION DEPARTMENT	$460,700.00	$447,605.30	$379,137.35
ADMINISTRATIVE	$1,336,800.00	$1,124,634.84	$1,170,810.06
LOSS (GAIN) ON PROPERTY DISPOSALS	$0.00	($10,469.41)	$53,316.99
DEPRECIATION EXPENSE-NON VEHICLE	$3,008,000.00	$2,868,046.84	$2,720,296.42
PENSION EXPENSE	$540,800.00	$537,193.86	$524,495.86
CMMS RELATED EXPENSES	$100,000.00	$60,154.52	$74,686.13
TOTAL OPERATING EXPENSES	$12,355,000.00	$10,803,016.10	$10,928,599.68
NON-OPERATING EXPENSES			
INTEREST ON DEBT-ALL BONDS	$829,000.00	$755,466.58	$769,333.81
TOTAL NON-OPERATING EXPENSES	$829,000.00	$755,466.58	$769,333.81
TOTAL EXPENSES	$13,184,000.00	$11,558,482.68	$11,697,933.49

North Little Rock Wastewater
Income Statement
For the Eight Months Ending Tuesday, August 31, 2021

	YEAR TO DATE BUDGET	YEAR TO DATE 2021	YEAR TO DATE 2020
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	$1,891,700.00	$4,670,097.26	$3,298,010.39
EMERGENCY REPAIRS	$0.00	$0.00	($37,094.65)
DONATED PROPERTY VALUE	$0.00	$0.00	$29,628.44
OUTSIDE SERVICES	$0.00	$0.00	($39,891.00)
FEMA REIMBURSEMENTS	$0.00	$0.00	$222,939.83
BEC/EAC LOSS (**)	$0.00	($138,882.51)	$0.00
NET INCOME (LOSS)	1,891,700.00	4,531,214.75	3,473,593.01

**BUSINESS EMAIL COMPROMISE / EMAIL ACCOUNT COMPROMISE

North Little Rock Wastewater
Income Statement
For the Eight Months Ending Tuesday, August 31, 2021

	AUGUST 2021	YEAR TO DATE 2021	AUGUST 2020	YEAR TO DATE 2020
REVENUE				
OPERATING REVENUE				
INSIDE NLR SERVICE CHARGES	$1,245,783.12	$9,787,017.31	$1,165,123.27	$8,850,234.84
OUTSIDE NLR SERVICE CHARGES	$288,990.11	$2,153,260.81	$267,910.64	$2,043,114.18
MAUMELLE SERVICE CHARGES	$301,530.61	$2,241,886.76	$300,685.29	$2,133,300.99
SHERWOOD TREATMENT CHARGES	$43,702.42	$353,711.42	$17,722.00	$141,776.00
CUSTOMER SERVICE CHARGES	$4,434.97	$35,968.78	$4,454.90	$35,416.85
SERVICE CHARGE REFUND	($962.51)	($962.51)	$0.00	($660.96)
INDUSTRY REGULAR CHARGES	$143,346.28	$1,096,371.20	$143,143.24	$1,154,857.52
INDUSTRY SURCHARGE/PENALTY CHARGES	$17,745.46	$200,330.26	$8,970.85	$155,308.96
INDUSTRY LATE FEE CHARGES	$0.00	$1,590.95	$0.00	$4,699.91
LATE FEE CHARGES-RES. & COM.	$30,240.15	$222,483.21	$32,432.72	$239,819.65
TIE-ON FEE CHARGES	$0.00	$50,557.59	$28,490.00	$73,322.00
CONNECTION INSPECTION PERMITS	$2,465.00	$23,670.00	$1,970.00	$26,170.00
PARTIAL INSPECTION PEMITS	$90.00	$450.00	$0.00	$180.00
TAP & STREET CUTTING PERMITS	$1,050.00	$9,800.00	$1,400.00	$7,700.00
REVIEW PLANS & SPECIFICATIONS	$165.13	$5,306.07	$278.00	$4,114.65
TOTAL OPERATING REVENUE	$2,078,580.74	$16,181,441.85	$1,972,580.91	$14,869,354.59
NON OPERATING REVENUE				
INTEREST EARNED INCOME-SECURITES	($132.28)	$18,685.88	$4,535.88	$92,676.62
INTEREST EARNED INCOME-CHECKING	$1,730.98	$16,200.43	$3,373.87	$26,288.42
INTEREST EARNED INCOME-NOTES	$0.00	$0.00	$448.58	$3,516.26
DISCOUNTS EARNED	$25.44	$202.04	$9.49	$147.01
MISCELLANEOUS INCOME	$0.00	$12,049.74	$0.00	$3,960.98
TOTAL NON-OPERATING REVENUE	$1,624.14	$47,138.09	$8,367.82	$126,589.29
TOTAL REVENUE	$2,080,204.88	$16,228,579.94	$1,980,948.73	$14,995,943.88

North Little Rock Wastewater
Income Statement
For the Eight Months Ending Tuesday, August 31, 2021

	AUGUST 2021	YEAR TO DATE 2021	AUGUST 2020	YEAR TO DATE 2020
OPERATING EXPENSES				
TROUBLE CREW	$12,917.15	$87,811.01	$10,545.03	$83,543.18
MANHOLE CREW	$8,698.28	$66,136.83	$7,127.06	$67,485.52
POWER DRIVE CREW	$1,399.43	$23,048.80	$4,675.60	$37,991.86
TELEVISION CREW #1	$13,837.31	$99,860.44	$10,271.30	$92,800.47
TELEVISION CREW #2	$9,395.00	$87,048.43	$9,106.92	$90,183.75
COLLECTION SYSTEMS-GENERAL	$124,116.75	$812,140.55	$133,880.36	$975,822.90
REPAIR CREW #1	$22,671.00	$116,019.78	$17,548.72	$141,443.90
REPAIR CREW #2	$19,916.56	$103,796.65	$17,423.24	$123,714.41
REPAIR CREW #3	$14,936.86	$85,539.54	$11,109.23	$111,608.20
REPAIR CREW #4	$1,628.05	$86,980.95	$23,334.16	$138,209.81
POWER RODDING CREW #1	$4,085.25	$11,060.26	$471.42	$22,518.93
VAC-CON CREW #1	$21,983.83	$139,964.68	$16,961.94	$133,236.41
VAC-CON CREW #2	$18,829.61	$112,920.87	$12,826.14	$92,304.73
VAC-CON CREW #3	$20,656.63	$107,017.07	$11,970.67	$105,241.27
VAC-CON CREW #4	$3,119.87	$14,831.17	$1,840.52	$23,303.59
VAC-CON CREW #5	$18,467.58	$112,081.23	$12,872.56	$111,747.71
LOCATION WORK	$4,319.86	$27,826.41	$3,421.33	$25,627.78
ENGINEERING OFFICE	$41,287.60	$234,846.70	$36,476.21	$234,077.83
GENERAL ENGINEERING DEPT.	$23,393.00	$182,854.43	$18,540.52	$159,145.52
ENV.COMPL. & SAFETY DEPT	$104,210.39	$674,652.18	$85,466.49	$604,604.27
TREATMENT DEPARTMENT	$408,011.01	$2,589,412.17	$322,525.72	$2,631,244.83
PUMP STATION DEPARTMENT	$49,992.24	$447,605.30	$56,664.75	$379,137.35
ADMINISTRATIVE	$201,551.02	$1,124,634.84	$171,581.15	$1,170,810.06
LOSS (GAIN) ON PROPERTY DISPOSALS	$0.00	($10,469.41)	$53,049.28	$53,316.99
DEPRECIATION EXPENSE-NON VEHICLE	$369,519.02	$2,868,046.84	$350,862.95	$2,720,296.42
PENSION EXPENSE	$67,985.17	$537,193.86	$66,344.17	$524,495.86
CMMS RELATED EXPENSES	$6,553.51	$60,154.52	$5,829.40	$74,686.13
TOTAL OPERATING EXPENSES	$1,593,481.98	$10,803,016.10	$1,472,726.84	$10,928,599.68
NON-OPERATING EXPENSES				
INTEREST ON DEBT-ALL BONDS	$93,767.24	$755,466.58	$97,044.39	$769,333.81
TOTAL NON-OPERATING EXPENSES	$93,767.24	$755,466.58	$97,044.39	$769,333.81
TOTAL EXPENSES	$1,687,249.22	$11,558,482.68	$1,569,771.23	$11,697,933.49

North Little Rock Wastewater
Income Statement
For the Eight Months Ending Tuesday, August 31, 2021

	AUGUST 2021	YEAR TO DATE 2021	AUGUST 2020	YEAR TO DATE 2020
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	$392,955.66	$4,670,097.26	$411,177.50	$3,298,010.39
EMERGENCY REPAIRS	$0.00	$0.00	$0.00	($37,094.65)
DONATED PROPERTY VALUE	$0.00	$0.00	$0.00	$29,628.44
OUTSIDE SERVICES	$0.00	$0.00	($39,891.00)	($39,891.00)
FEMA REIMBURSEMENTS	$0.00	$0.00	$0.00	$222,939.83
BEC/EAC LOSS (**)	$0.00	($138,882.51)	$0.00	$0.00
NET INCOME (LOSS)	392,955.66	4,531,214.75	371,286.50	3,473,593.01

**BUSINESS EMAIL COMPROMISE / EMAIL ACCOUNT COMPROMISE

(5)

SSES 2021 ENGINEERING SERVICES AGREEMENT

RJN, Inc. is a professional services company specialized in conducting Sewer System Evaluation Services (SSES) and has completed multiple SSES projects for NLRW since 2012. These projects have been selected by staff and sized to be completed in a one-year period.

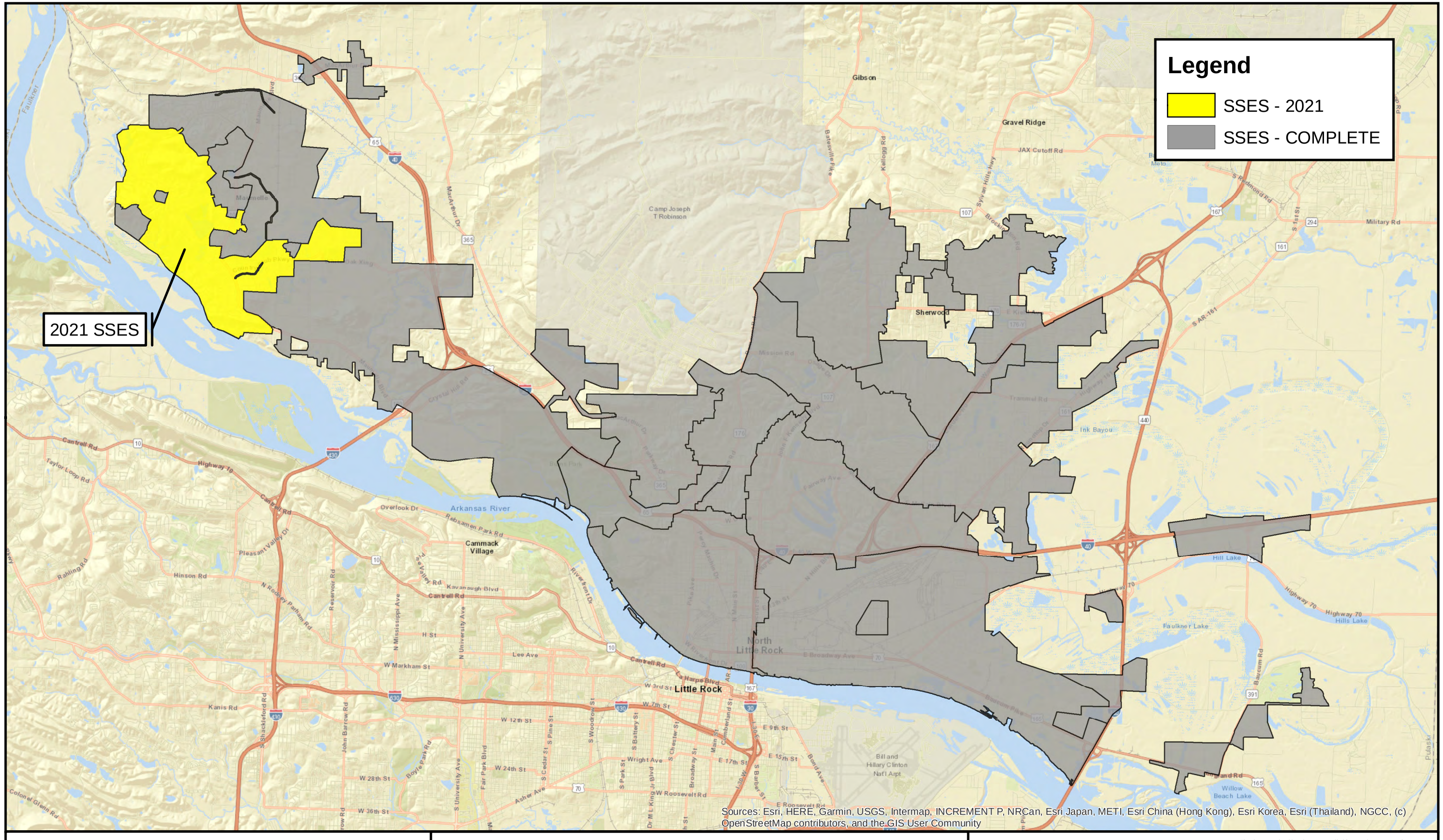
Staff have reviewed Requests for Qualifications from professional services companies and have considered the services provided over the previous nine years by RJN, Inc. Based on these considerations, staff wish to enter into a one-year contract with RJN, Inc.

The 2021 SSES scope of work includes approximately 1,900 manholes and 350,000 LF of gravity pipelines in the Maumelle Basin (map attached).

The projected cost of the 2021 SSES is $641,570. This work will be paid for with general revenues and is included in the 2021 Budget in the amount of $510,000. The estimated remaining funds will be in the 2022 Budget.

ACTION REQUESTED:

Authorize staff to enter into a one-year agreement with RJN, Inc. to include the 2021 scope of services in the amount of $641,570.



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North Little Rock Wastewater

2021 SSES AREA

NLR WASTE WATER ENGINEERING DEPT

The data contained herein was compiled from various sources for the sole use and benefit of the North Little Rock Waste Water Utility. Any use of the data by anyone other than the North Little Rock Waste Water Utility is at the sole risk of the user; and by acceptance of this data, the user does hereby hold the North Little Rock Waste Water Utility and the City of North Little Rock harmless and without liability from any claims, costs, or damages of any nature against the North Little Rock Waste Water Utility and the City of North Little Rock, including cost of defense arising from improper use of the data or use by another party. Acceptance or use of this data is done without any expressed or implied warranties.

(6)

PURCHASE NEW TRUCK FOR COLLECTION SYSTEMS MAINTENANCE DEPARTMENT

The Collection Systems Maintenance Department under the Construction Division has a new Construction Manager to lead and manage five construction crews. It is necessary for the Construction Manager to use a utility vehicle for job related activities, and there is $30,000 in the 2021 Budget to purchase a new vehicle for this position.

ACTION REQUESTED:

Authorize staff to purchase a 2021 Ram 1500 Crew Cab 4x4 from the current State Contract in the amount of $24,573.00.

(7)

ROOF REPLACEMENT ADMINISTRATION BUILDING

The Administration Building has a low-sloped (flat roof) and a steep-sloped roof area in need of replacement. The existing low sloped roof is a modified bitumen roof over a plywood roof deck and the steep-sloped roof is a shingle mansard roof over plywood roof deck. Water ponds along the south wall and in between the roof drains. The existing roof drains are set about ½" too high and the existing roofing systems are at the end of their service life.

Staff obtained three quotes from three North Little Rock based roofing contractors. They are summarized below.

	PI Roofing 501-707-3548	**C.B.M. 501-945-0829**	**Fraley Roofing 501-834-9602**
Administration Building	$66,957	$87,700	$56,376

The flat roof was quoted with complete tear-off using a 135 Mil fleece back TPO (membrane) with 3" in insulation and the steep-sloped roof will be shingle mansard with similar color of the surrounding buildings. There is $145,000 in the budget for replacement of Utility owned roofs.

Action Requested:

Authorize staff to utilize Fraley Roofing for the roof replacement on the Administration Building in the amount of $56,376.

(8)

DIXIE AND BARING CROSS BASINS PIPE BURSTING 2021 REHABILITATION PROJECT

Staff prepared bid documents for the pipe bursting rehabilitation in the Dixie Subdivision and Baring Cross areas as part of an ongoing effort to reduce chronic maintenance problems in the gravity collection system. The project includes pipe bursting of approximately 18,834 linear feet of 6", 8" and 10" gravity sewer mains.

The estimated cost for the project is $1,600,000 which will be funded from the NLRW reserves and will be in the 2021 Budget.

ACTION REQUESTED:

Authorize staff to advertise for bids for Dixie and Baring Cross Basins Pipe Bursting 2021 Rehabilitation Project.

Baring Cross

Dixie

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N

North Little Rock Wastewater

Dixie and Baring Cross Basins Pipe Bursting

2021 Rehabilitation Project

ENGINEERING DEPT

The data contained herein was compiled from various sources for the sole use and benefit of the North Little Rock Waste Water Utility. Any use of the data by anyone other than the North Little Rock Waste Water Utility is at the sole risk of the user; and by acceptance of this data, the user does hereby hold the North Little Rock Waste Water Utility and the City of North Little Rock harmless and without liability from any claims, costs, or damages of any nature against the North Little Rock Waste Water Utility and the City of North Little Rock, including cost of defense arising from improper use of the data or use by another party. Acceptance or use of this data is done without any expressed or implied warranties.

(9)

WHITE OAK TREATMENT PLANT EXPANSION

Michael Marlar, P.E. of Halff Associates developed an Engineering Report on the need to expand the White Oak Treatment Plant based on near-future diversion of wastewater from the Maumelle Treatment Plant. Mr. Marlar's Engineering report on July 6 recommended acquiring an additional 11.15 acres immediately West of the existing treatment plant. Ferstl Valuation Services was hired to provide NLRW an appraisal report for the 11.15 acres and a copy of the report dated August 23, 2021 is included. The appraisal report determined the value of the 11.15 acres at $14,798 per acre to be $165,000.

Field surveys and evaluations were performed to develop a legal description in alignment with the objective of expanding the White Oak Treatment Plant by additional lagoons or equalization basins. Based on actual field data and topography, it is recommended to purchase 18.7 acres as shown in the attached exhibit for the future expansion of the treatment plant.

Expanding the White Oak Treatment Plant using lagoons requires a larger footprint of land than a mechanical treatment plant, and the cost to operate a facultative lagoon treatment facility is more economical than a traditional activated sludge mechanical treatment plan.

ACTION REQUESTED:

Discuss the option acquiring 18.7 acres of land West of the existing White Oak Treatment Plant for future expansion and authorize the Director to proceed with the acquisition with the assistance of Hilburn & Harper, Ltd.

ENGINEERING REPORT

Evaluation of White Oak Treatment Plant Expansion

Prepared For: NLR Wastewater Utility

Prepared By: Halff Associates, North Little Rock, Arkansas

Date: September 9, 2021

ENGINEERING REPORT – WHITE OAK WASTEWATER TREATMENT PLANT EVALUATION FOR FUTURE EXPANSION

NORTH LITTLE ROCK WASTEWATER UTILITY

Date: September 8, 2021

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LIST OF EXHIBITS:

EXHIBIT 1 – OVERALL MAP OF WHITE OAK SEWER SYSTEM
EXHIBIT 2 – PROPOSED IMPROVEMENTS – 1 ADD'L LAGOON
EXHIBIT 3 - MECHANICAL TREATMENT PLANT OPTION
EXHIBIT 4 - RANGE OF COSTS

WHITE OAK WASTEWATER TREATMENT PLAN EXPANSION

1. INTRODUCTION:

The White Oak Wastewater treatment plant is located west of Burns Park in North Little Rock in what is generally referred to as the Crystal Hill area of the City. The treatment plant serves the Morgan community, Highway 365 Sewer Improvement District, Crystal Hill area of North Little Rock along the White Oak drainage basin and the Shilcutt drainage basin which includes most of the area of the city know as the Levy community. The Shillcutt lift station is located 2 miles east of the White Oak treatment plant. The treatment plant was originally constructed in 1977 and expanded in 2009 and includes a four (4) cell facultative lagoon facility partially aerated with discharge from the lagoons flowing through a circular chlorine contact chamber to the Arkansas River. The effluent pipe is a 42 inch ductile iron pipe. The four facultative ponds are located on a 65 acre tract of property. In 2000, the North Little Rock Wastewater Utility proceeded to have constructed the White Oak sewer interceptor and lift station. Sewer service to customers in the White Oak drainage basin was provided by several lift stations and force mains. The new 36 inch sewer interceptor enabled the Utility to deactivate some of the lift stations and expand its service area and capacity. The new interceptor discharges to the new lift station constructed at the northwest corner of the treatment plant site. Wastewater is pumped from the new lift station and flows to a flow division box which also receives wastewater from the Shillcutt forcemain. The flow division box has three chambers – one that receives influent from the Shillcutt lift station and the new White Oak Lift Station – and two effluent chambers, one with an outlet to the two existing facultative ponds and one chamber with a capped outlet for future expansion. The 36" interceptor was extended to Counts Massie Road in 2016 providing service to additional areas along the White Oak Basin in parts of North Little Rock and Maumelle.

The North Little Rock Wastewater Utility (NLRWWU) acquired the service rights for the City of Maumelle and is currently planning to decommission the Maumelle wastewater treatment plant and transport wastewater through the 36" interceptor to be treated at the White Oak treatment plant. This additional flow contribution from Maumelle necessitates the evaluation of the White Oak treatment plant's capacity to handle total daily average, peak and future flows.

2. EVALUATION OF CURRENT AND FUTURE SEWER FLOWS:

The areas that currently sewer to the White Oak treatment plant include the White Oak drainage basin which includes Crystal Hill, Morgan, Development along Maumelle Boulevard in the city, Highway 365 (MacArthur Drive), and the Shillcutt drainage basin which includes the Levy community. Future areas that could flow to the treatment plant include the Oak Grove and Blue Hill communities and potential development along the upper reach of the White Oak Basin. The city of Maumelle's wastewater is planned to be treated at the White Oak treatment plant.

The following current and projected sewer flows from these areas to the White Oak treatment plant:

Current Flows at White Oak (Includes flow from Shillcutt Pump Station)

Average Daily Flow to White Oak: 3.0 mgd

Maximum Daily Average: 9.0 mgd

Peak Flow: 16 mgd

Contributing Flow From Maumelle:

Average Daily Flow: 3.0 mgd

Total Flow with Maumelle:

Average Daily: 6.0 mgd

Maximum Daily: 12 mgd

Peak Flow: 30 mgd

Note: It is projected from previous studies that an additional 0.50 mgd could be contributed from the Oak Grove and Blue Hill communities. An 18" interceptor was extended across I-40 in the most recent project (36" interceptor) for that purpose.

3. EVALUATION OF EXISTING TREATMENT PLANT

The existing treatment facility includes two lift stations, four (4) facultative ponds, chlorine contact chamber, and chlorination building which houses sludge pumps that return sludge from the clarifier and wastewater from the rest room to the head of the treatment plant. Wastewater is pumped to the treatment plant from the Shillcutt pump station through a 20" forcemain and from the White Oak pump station through a flow division structure to the north end of the facultative ponds. The ponds are partially aerated and wastewater flows from the ponds to the chlorine contact chamber through a 42" effluent line. Effluent from the partially aerated lagoons is chlorinated and then discharged to the Arkansas River meeting a 30 mg/l BOD and 90 mg/l TSS discharge limitation as established by the Arkansas Department of Environmental Quality's NPDES discharge permit for the facility.

The four (4) partially aerated facultative ponds were designed for an 8.5 MGD design flow. Each of the four facultative ponds has a water depth of 15 feet and a volume at that

depth of 31,908,445 million gallons (MG). The levee depth from the bottom of the cell to the levee top is 18 feet and side slopes are 3:1.

Refer to Exhibit 3 identifying the existing treatment facility.

4. EVALUATION OF FUTURE IMPROVEMENTS

4.1 PROJECTED SEWER FLOWS:

Future improvements to any treatment facility are directly related to the projected sewer flows the treatment plant will be designed to handle. In the case of the White Oak facility, the projected design and peak flows are:

Projected average daily flow = 6.0 MGD Projected max day flow = 12.0 MGD

Project peak flow = 19 mgd

These projected flows do not take into account future growth in the area.

Note: If the communities of Oak Grove and Blue Hill connect to NLRWW in the future, these projected flows could increase by as much as 0.50 mgd.

Based on these future projected flows, White Oak could expand the treatment plant considering the following alternatives which are identified in Exhibits 2 and 3:

1. Expand the facultative lagoons (Exhibit 2) with the addition of new lagoon capable of treating an additional 4.0 mgd for a total capacity at the facility of 12.5 – 13.0 mgd. Estimated cost for this alternative would be **$ 9 million** (refer to exhibit 4).

2. Construct new mechanical treatment plant (Exhibit 3) capable of treating 12.5 mgd sewer flow and use existing lagoons for equalization storage during wet weather flow and sludge storage. Estimate cost for this alternative would be **$ 35 million**. This alternative would require a modification of the current NPDES permit and likely more stringent discharge limitations to approximately 20 mg/l BOD and TSS.

4.2 RECOMMENDED IMPROVEMENTS:

Recommended Alternatives for Treatment Plant Improvements

Expand of New Facultative Ponds West of Existing Ponds

The existing facultative ponds were designed to handle an 8.5 MGD flow. The NLRWW Utility has indicated the only land currently available for expansion is located on the

west side of the current facility. Based on our evaluation, the addition of one lagoon on this property would allow for an additional 4.5 mgd flow. This would increase the capacity of the White Oak plant to 13 mgd. The land needed for this additional lagoon would be 18.7 acres.

Impact of the Floodplain:

The 100 year floodplain is at elevation 259 for this site. The proposed site is not in the floodway.

The FEMA map identifying the floodplain is shown as Exhibit 2.

5. PROJECTED COST FOR IMPROVEMENTS

Based on the most recent expansion of the White Oak plant in 2009, which was of similar type construction that would be required for a lagoon system, our opinion of preliminary costs for one 31.9 million gallon lagoon (11 acres) should range from $ 4.5 - $ 5.5 million.

6. SCHEDULE TO IMPLEMENT IMPROVEMENTS

The following schedule is estimated to plan, fund, design and build future improvements based on the ANRC RLF program:

TASK:	DAYS
1. Prepare and approve ANRC RLF Resolutions: (The following 2 Resolutions and 2 applications must be submitted and 60 approved before being officially in the RLF program.) • Resolution of Signature Authority (identifying the City's representative.) • Resolution of Intent (Intent to do the project for a specified amount by tax exempt bonds and to be reimbursed for previous services before bonds issued. • Preapplication to WWAC Committee • Prepare and submit loan application	
2. Submit to ANRC engineering report and cost analysis for approval. NLRWW Utility will receive from ANRC letter of approval regarding project cost which will likely be higher than that requested.	30
3. Memorandum of Agreement (MOA). The MOA will include projected submittal dates for facility plans, specifications, rate ordinance, and all other items up to the advertisement for construction bids.	
At this point, Engineer can be working on plan preparation.	180

4. Submit plans to various agencies for review and approval	60
5. Advertise for Construction Bids	30
6. Contract with Contractor	30
7. Construct Improvements	365
8. Prepare O&M Manual/ Start Up and Operation of Treatment Plant	60
Total	**755 (24 Mo) (2. yr)**

7. CONCLUSIONS

The NLRWW Utility can expand the capacity of its White Oak treatment facility by constructing one (1) additional facultative pond / lagoon on 18.7 acres of property just west of the existing facility. This expansion would increase the capacity of the White Oak treatment plant from 8.5 to 13 mgd and would provide for equalization storage during wet weather events. This expansion would allow for the total design average daily flow with Maumelle's contributing flow with additional capacity for future growth.

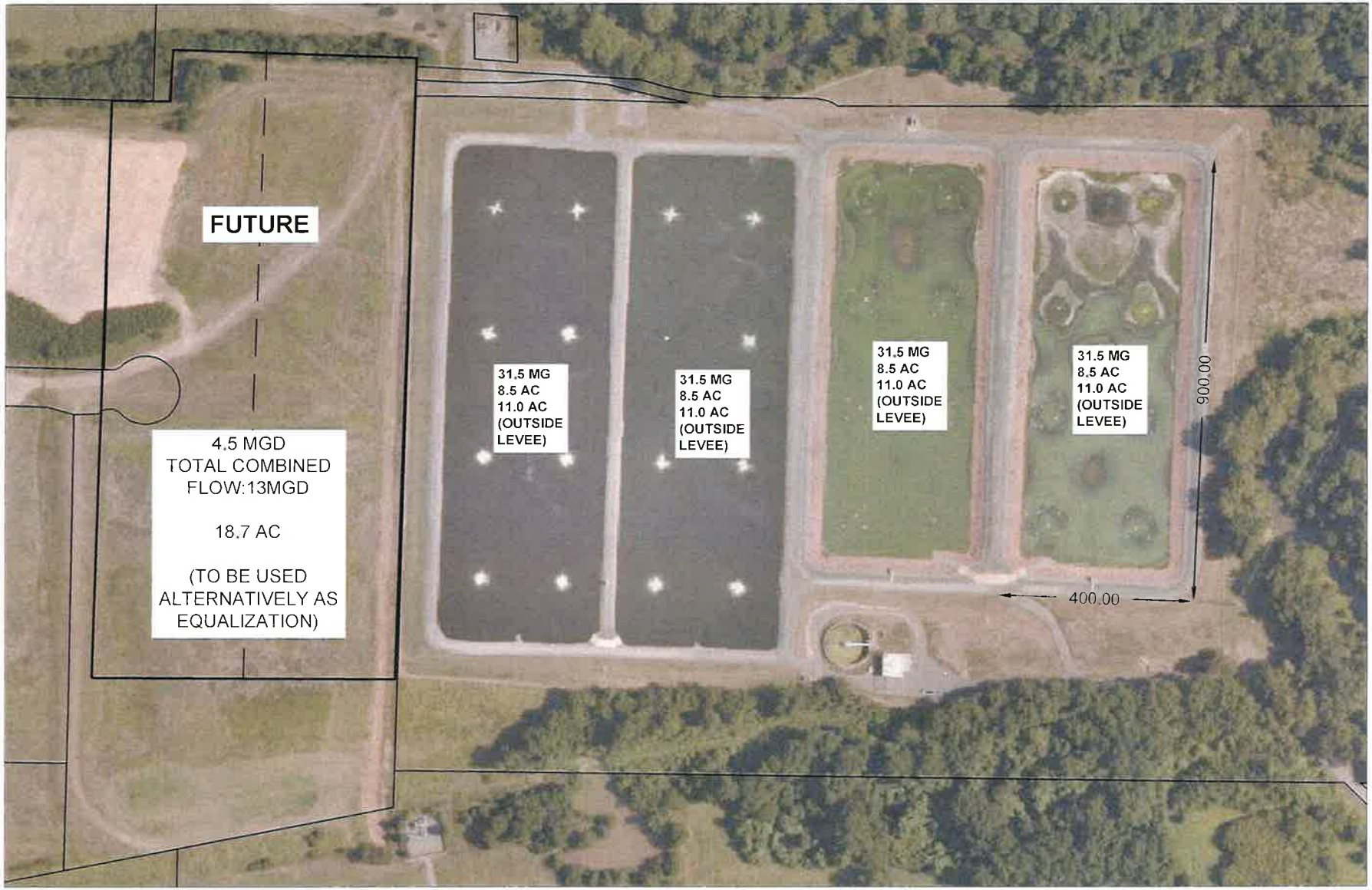
EXHIBIT 1 – OVERALL MAP OF WHITE OAK SEWER SYSTEM

MAUMELLE
PUMP
STATION
NEWTON CREEK
WHITE OAK BAYOU
Round Hill
PHASE II
WHITE OAK
INTERCEPTOR
MITIGATION
AREA
EXIST. 36" INTERCEPTOR
Rosenbaum Lake
PROJECT LOCATION
WHITE OAK
TREATMENT
PLANT
MURRAY LAKE
SHILLCUTT 20"
FORCE MAIN
CROSSING
ARKANSAS
BURNS PARK

EXHIBIT 1

EXHIBIT 2 – PROPOSED IMPROVEMENTS – 1 ADD'L FACULTATIVE POND

WHITE OAK WASTEWATER TREATMENT PLANT EXPANSION



SCALE:1"=300'

0 300' 600'

North Little Rock Wastewater

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EXHIBIT 2

EXHIBIT 3 - MECHANICAL TREATMENT PLANT OPTION

WHITE OAK WASTEWATER TREATMENT PLANT
MECHANICAL TREATMENT PLANT ALTERNATIVE

SCALE:1"=300'

0 300' 600'

North Little Rock Wastewater

EXHIBIT 3

N

EXHIBIT 4 – RANGE OF COSTS

PROBABLE RANGE OF COSTS
WHITE OAK WASTEWATER TREATMENT PLANT EXPANSION

Prepared For: NLRWW Utility
Prepared By: Halff Associates

Date: Sept. 2021

	EXPAND LAGOONS WEST	1 LAGOON 4 MGD TOTAL CAPACITY 12 MGD				
1	LEVEE FILL	110000	CY	$ 12.00	$	1,320,000.00
2	EXCAVATION	125000	CY	$ 13.00	$	1,625,000.00
3	CLAY LINER	52000	CY	$ 15.00	$	780,000.00
4	AERATION EQUIPMENT	1.5	LS	$ 655,000.00	$	982,500.00
5	YARD PIPING	1	LS	$ 425,000.00	$	425,000.00
6	CLEAN UP, TESTING, MISC.	1	LS	$ 158,000.00	$	158,000.00
7	ELECTRICAL	1	LS	$ 325,000.00	$	325,000.00
8	DEWATERING	1	LS	$ 175,000.00	$	175,000.00
9	SEEDING	16000	SY	$ 1.75	$	28,000.00
10	GRAVEL	5000	SY	$ 6.50	$	32,500.00
11	SECURITY FENCE	2800	LF	$ 25.00	$	70,000.00
12	GRAVEL AND CONCRETE	1	LS	$ 425,000.00	$	425,000.00
13	FLOW DIVISION BOX STRUCTURE	1	LS	$ 250,000.00	$	250,000.00
14	INSTRUMENTATION	1	LS	$ 95,000.00	$	95,000.00
15	MISC. ITEMS	1	LS	$ 30,000.00	$	30,000.00
16	LAND COST ACQUISITION	18.7	AC	$ 282,000.00	$	282,000.00
	SUBTOTAL				$	7,003,000.00
	CONTINGENCY				$	1,050,450.00
	ENGINEERING				$	966,414.00
	TOTAL				**$**	**9,019,864.00**

	MECHANICAL TREATMENT PLANT					
1	EARTHWORK	42000	CY	$ 12.50	$	525,000.00
2	HEADWORKS, SCREEN & GRIT	1	LS	$ 1,450,000.00	$	1,450,000.00
3	AERATION BASIN ACTIVATED SLUDGE	1	LS	$ 10,250,000.00	$	10,250,000.00
4	CLARIFIERS	1	LS	$ 5,520,000.00	$	5,520,000.00
5	YARD PIPING	1	LS	$ 1,250,000.00	$	1,250,000.00
6	UV DISINFECTION SYSTEM AND STRUCT	1	LS	$ 1,350,000.00	$	1,350,000.00
7	FLOW MEASUREMENT	1	LS	$ 325,000.00	$	325,000.00
8	MAINTENANCE LAB BLDG	1	LS	$ 750,000.00	$	750,000.00
9	SITE WORK, ROADS, DRAINAGE	1	LS	$ 955,000.00	$	955,000.00
10	SLUDGE HANDLING & DISPOSAL	1	LS	$ 4,450,000.00	$	4,450,000.00
11	CLEAN UP, TESTING, MISC.	1	LS	$ 325,000.00	$	325,000.00
12	ELECTRICAL	1	LS	$ 1,525,000.00	$	1,525,000.00
13	DEWATERING	1	LS	$ 450,000.00	$	450,000.00
14	SECURITY FENCE	2600	LF	$ 25.00	$	65,000.00
15	FLOW DIVISION BOX STRUCTURE	1	LS	$ 250,000.00	$	250,000.00
16	MODIFICATION OF 42" OUTFALL	1	LS	$ 450,000.00	$	450,000.00
	SUBTOTAL				$	29,890,000.00
	CONTINGENCY				$	4,483,500.00
	ENGINEERING				$	4,124,820.00
	TOTAL				**$**	**38,498,320.00**

(10)

EMERGENCY ACTION FIVE MILE CREEK INTERCEPTOR HWY 67/167

On August 11, 2020, Staff discovered two sinkholes in the roadside ditch of Landers Road at the city limits of North Little Rock and Sherwood over a critical 24" gravity interceptor. Based on the Court Ordered Agreement between Sherwood and NLRW, it was understood the 24" interceptor was under the control and ownership of Sherwood and Sherwood Wastewater was notified of the potential sinkholes linked to the interceptor. RJN Group was hired by Sherwood Wastewater to dye test the two sinkholes and both sinkholes were confirmed positive on November 3, 2020.

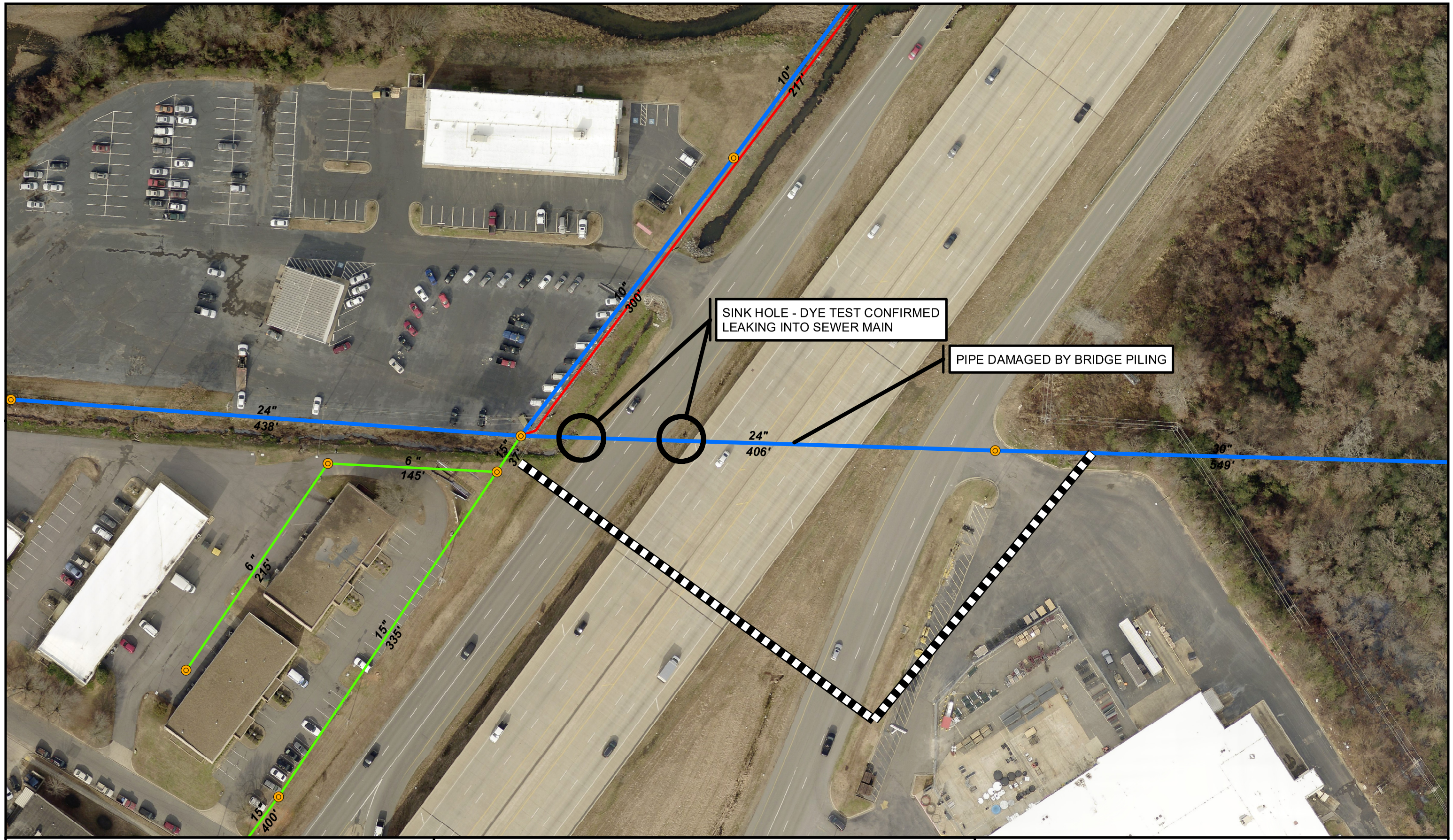
NLRW hired Ace Pipe Cleaning to perform a Multi-Sensor Inspection on Five Mile Creek 24" interceptor on June 18, 2021. The results of the inspection revealed a 24" Cast Iron Pipe with severe tuberculation that is beyond salvaging. Several experts in the large pipe sewer business had similar opinions that a new pipe replacement is required. The existing 36" steel encasement pipe has been previously damaged from one of the pilings of the bridge piers and utilizing the existing encasement pipe is ruled out.

A new bore with a 48" encasement will be necessary to provide the working room for a 30" carrier pipe. Once the 30" interceptor under Highway 67/167 is installed, the downstream connection to the existing 30" interceptor will be part of this project. The upstream connections include one 24" interceptor, one 15" gravity line, one 10" force main (Oakbrook Pump Station) and one 10" gravity line. Cost sharing with the City of Sherwood will be necessary using the 1989 agreement between Sherwood Wastewater and NLRW.

This repair is expected to cost in the range of $750,000 to $1,000,000. Funds will come from the Emergency Repairs line item in the 2021 Budget which currently includes $1,000,000.

ACTION REQUESTED:

Declare an emergency and authorize staff to use the services of Halff & Associates and Diamond Construction Co., Inc. for an emergency design and replacement of the 24" interceptor with connecting sewer facilities.



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North Little Rock Wastewater

Five Mile Creek Interceptor at 67/167

NLR WASTE WATER
ENGINEERING DEPT

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