



FINANCE COMMITTEE

Monday, June 12, 2023 4:30 PM

Administration Conference Room, City Hall

- 1. Call to Order**
- 2. Financial Updates**
 - A. City Administrator Approvals
- 3. Action Items**
 - A. Approve the minutes for the May 8, 2023, regular meeting
 - B. Approve Work Authorization No. 4 with Fluid Equipment to repair the Sulzer Mixer at the wastewater treatment plant (Public Works)
 - C. Approve an agreement with Wiedenmann, Inc. for the 2023 Sanitary Sewer Repairs project (Public Works)
- 4. Non-Action Items**
 - A. Quarterly Projects Update
- 5. Unfinished Business (postponed from prior meetings)**
- 6. Other Business**
- 7. Adjourn**



CITY ADMINISTRATOR
PURCHASING APPROVAL

Preparation date: 6/7/2023

CITY OF PARKVILLE

Department: Public Works

Low Bidder and
Contract Amount:

North Hills Engineering Inc.
1825 Sunrise Drive
Smithville, MO 64089

\$5,520.00 WA-160

General Scope of Work Description/Project:

Odor Control Tank – Design & Inspection

This project is for contract engineering services for the city's contract city engineer to design modifications to the odor control tank in Riss Lake. This work involves the restoration of the tank and site improvements to address maintenance issues. The work for the contract city engineer involves the project design, development of bid documents, coordination with the contract during construction, and the inspection of the construction.

Competitive Purchasing Information: (List bidder, address, and price):

This work is awarded to North Hills Engineering under our existing Engineering Services Agreement.

Project Start Date: 5/1/23

Estimated Completion Date: 9/15/23

Budget Account Code: 10-515.08-03-00

Authorization:

☒ City Administrator: ABertone Date: 6/7/2023
☐ Department Head: Smith Date: 6/7/23
☐ Mayor (if applicable): _____ Date: _____
☐ Submit to the Finance Committee for Authorization (if requested by the City Administrator)

WORK PLANNING / AUTHORIZATION FORM

Number: WA-162

Project / Work Description:

North Nationals Drainage Improvements (2023 Platte County Stormwater Grant Project)

Purpose: To design and administer stormwater drainage improvements near 7170 N. National Drive.

This WA covers the design, document preparation, bidding, and construction administration of the drainage project.

This drainage project will address flooding, erosion, and property damage behind #7170 N. National Dr.

The City applied for a grant of \$45k in March 2023, and the grant was recently awarded to the City of Parkville.

The improvements include drainage piping, a stormwater junction box, grading, area drains, and rip-rap matting.

As part of the local match, the City will donate \$6000 and the local resident will donate \$2,000.

Budget: \$ 53,550.00 total project, for which Platte County is providing a grant of: \$ 45,550
 \$ 4,732 for design and site observations, \$ 47,318 for construction.
 \$ 1,500 for survey/legals,

Service Provider: North Hills Engineering, Inc.

Terms: Subject to the provisions of the current Engineering Services Agreement between the City and North Hills Engineering Incorporated

Primary Tasks:

Project Management and Coordination Meetings with City Staff (2 month project.)	2
Visit the site to evaluate access, utilities, easements required, etc.	2
Survey: Topo and elevations	3
Utility locates, survey results of one-call, meet with affected/impacted utilities.	2
Develop scope for surveyor to author legal descriptions, coordinate.	3
Meet with affected residents to discuss easements and impacts.	3
Prepare calculations for drainage hydraulics, sizing of conduits, materials classes.	2
Develop plan for staging work, and traffic control provisions.	2
Prepare drawings to illustrate the work required (electronic format).	18
Prepare written technical specifications for the work proposed.	4
Assemble and coordinate/review bidding and contract documents, using City format.	3
Use large-project City standard contract.	

Bid & Construction Phase Admin.

Solicit bids, meet with bidders. Bids will be sealed bids, advertised via plan room.	4
Meet with bidders and address questions during the advertisement period, prepare addenda.	2
Review bids, check qualifications and experience, and recommend award to City	1

Inspection:

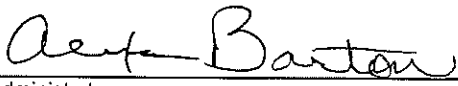
City inspector will assist to supervise the construction phase.	
Periodic visits to observe the work.	8

Excluded:

Professional Survey Services: Survey, legal descriptions. (\$1800)	59
Services of City Attorney for easement document preparation.	
Acquisition of Easements (City staff to assist.)	

Estimated Consultant Fee:

Design, Admin:	51 Hours x	\$ 80.00 / hour =	\$ 4,080.00
Inspection:	8 Hours x	\$ 80.00 / hour =	\$ 640.00
Total:			\$ 4,720.00

Budget: Transportation Fund	
Schedule:	
Estimated Completion Date:	11/1/2023
Project Deadlines:	n/a
Submitted By:	
	5/23/2023
Jay Norco, P.E. - President.	Date
Authorization:	
	5/30/2023
City Administrator	Date



CITY ADMINISTRATOR
PURCHASING APPROVAL

Preparation date: 6/5/2023

CITY OF PARKVILLE

Department: Public Works

Low Bidder and
Contract Amount:

North Hills Engineering Inc.
1825 Sunrise Drive
Smithville, MO 64089

\$4,720.00 WA-162

General Scope of Work Description/Project:

North National Drainage Improvements (2023 Platte County Grant)

This project is for contract city engineering services for the design, bid document preparation, contract administration, and project inspection for the drainage improvements on north national.

Competitive Purchasing Information: (List bidder, address, and price):

This work is awarded to North Hills Engineering under our existing Engineering Services Agreement.

Project Start Date: 6/1/23

Estimated Completion Date: 9/1/23

Budget Account Code: 10-515.08-03-00

Authorization:

☒ City Administrator: ABarton Date: 6/7/2023
☐ Department Head: Jim [Signature] Date: 6/7/23
☐ Mayor (if applicable): _____ Date: _____
☐ Submit to the Finance Committee for Authorization (if requested by the City Administrator)

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This drainage project will address flooding, erosion, and property damage behind #7170 N. National Dr.

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As part of the local match, the City will donate \$6000 and the local resident will donate \$2,000.

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 \$ 4,732 for design and site observations, \$ 47,318 for construction.
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Project Management and Coordination Meetings with City Staff (2 month project.)	2
Visit the site to evaluate access, utilities, easements required, etc.	2
Survey: Topo and elevations	3
Utility locates, survey results of one-call, meet with affected/impacted utilities.	2
Develop scope for surveyor to author legal descriptions, coordinate.	3
Meet with affected residents to discuss easements and impacts.	3
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Develop plan for staging work, and traffic control provisions.	2
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Inspection:

City inspector will assist to supervise the construction phase.	
Periodic visits to observe the work.	8

Excluded:

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Inspection:	8 Hours x	\$ 80.00 / hour =	\$ 640.00
Total:			\$ 4,720.00

Budget: Transportation Fund

Schedule:

Estimated Completion Date: 11/1/2023

Project Deadlines: n/a

Submitted By:



5/23/2023

Jay Norco, P.E. - President.

Date

Authorization:



5/30/2023

City Administrator

Date



CITY ADMINISTRATOR
PURCHASING APPROVAL

Preparation date: 6/5/2023

CITY OF PARKVILLE

Department: Public Works

Low Bidder and
Contract Amount:

North Hills Engineering Inc.
1825 Sunrise Drive
Smithville, MO 64089

\$4,160.00 WA-163

General Scope of Work Description/Project:

WWTP Emergency Repair – Main Drive Shaft

This project is for contract city engineering services in the repair of the east clarifier for the waste water treatment plant. The main drive mechanism failed requiring a complete shutdown and evaluation of the systems. This contract work covers the evaluation/inspection, development & design of a repair, oversight of the fabrication and installation of new mechanisms, and coordination with the contractors throughout the project with regards to scheduling, questions, and coordination.

Competitive Purchasing Information: (List bidder, address, and price):

This work is awarded to North Hills Engineering under our existing Engineering Services Agreement.

Project Start Date: 6/1/23

Estimated Completion Date: 9/1/23

Budget Account Code: 30-501.08-03-00

Authorization:

☒ City Administrator: ABaton Date: 6/7/2023
☒ Department Head: [Signature] Date: 6/7/23
☐ Mayor (if applicable): _____ Date: _____
☐ Submit to the Finance Committee for Authorization (if requested by the City Administrator)

WORK PLANNING / AUTHORIZATION FORM

Number: WA-163

Project / Work Description:

Engineering planning, consulting, administration, for rebuilding/repairing the WWTF east clarifier mechanism.
The existing clarifier mechanism failed catastrophically at the end of May, 2023.
This equipment is critical to the operation of the City's wastewater treatment facility.
This project is an emergency repair as the timing is urgent and the scope cannot be defined in advance.
Engineering support is needed to make repair and replacement decision, and to work with the repair contractor and AWR.

Service Provider: North Hills Engineering, Inc.

Terms: Subject to the provisions of the current Engineering Services Agreement between the City and North Hills Engineering Incorporated

Primary Tasks:

Project coordination and meetings, updates to City staff.	4
From old files, provide copies of mechanical diagrams for drawings for Contractor's use.	2
Inspect existing mechanism and assess reasons for failure.	3
Draft contract forms and scope of work for emergency repair contract.	7
Observe dismantling of the components and staging of the larger sections.	8
Work with AWR and Contractor to develop a repair schedule, coordinate with clar drive contractor.	5
Visit machine shop to inspect fabrication of critical replacement parts.	4
Meet regularly with Contractor to coordinate work, make parts decisions, plan for re-assembly.	7
Review labor and material summaries and recommend payment.	5
Address questions from contractor.	3
Observation visits during construction, final inspection.	4

Estimated Consultant Fee:

52 Hours x \$ 80.00 / hour = \$ 4,160.00

Budget: Public Works.

Schedule:

Estimated Completion Date: 15-Aug-23

Project Deadlines: n/a

Submitted By:



Jay Norco, P.E. - President.

Date

Authorization:



Dan Harper - Public Works Director

Date



Finance Committee Meeting
Monday, May 8, 2023 4:30 PM
Administration Conference Room, City Hall

Minutes

1. Call to Order

Chair Wylie called the meeting to order at 4:31 p.m. A quorum was present.

Members Present: Chair Douglas Wylie, Vice Chair Bob Bennett, Dean Katerndahl and Philip Wassmer

City Staff Present: City Administrator Alexa Barton, Assistant City Administrator Jeffery Rhodes, Police Chief Kevin Chrisman (via videoconference), Public Works Director Dan Harper (via videoconference), Interim Finance Director Bryan Kidney, Community Development Director Stephen Lachky (via videoconference), Parks & Recreation Director Brittanie Propes, Parks & Recreation Project Manager Chris Ashley (zoom?) and City Clerk Melissa McChesney

2. Financial Updates

A. First Quarter 2023 Budget Variance Report

Interim Finance Director Bryan Kidney presented the first quarter budget variance report; memorandum attached as Exhibit A.

3. Action Items

A. Approve the minutes for the April 10, 2023, meeting

Bob Bennett moved to approve the minutes for the April 10, 2023, meeting. Philip Wassmer seconded; motion passed 4-0.

B. Approve the semi-annual financial report for the second half of 2022 and direct City Administration to publish

City Administrator Alexa Barton stated that the semi-annual report was required by statute two times per year.

Bennett moved to recommend that the Board of Aldermen approve the semi-annual financial report for the second half of 2022 and direct City Administration to publish. Wassmer seconded; motion passed 4-0.

C. Approve a construction agreement with Terry Snelling Construction for the 2023 Curb Replacement Program

Public Works Director Dan Harper provided an overview of the program; presentation attached as Exhibit B. He said that Meadow Court South was in the plan and not Meadow Lake as originally presented. He added that curbs would be added to Park Street to address drainage concerns. Five bids were received and Terry Snelling Construction was the low bidder.

Bennett moved to recommend that the Board of Aldermen approve a construction agreement with Terry Snelling Construction for the 2023 Curb Replacement Program in the amount of \$85,025. Wassmer seconded; motion passed 4-0.

D. Approve a construction agreement with Asphaltic Surfaces for the 2023 Mill & Overlay Program

Public Works Director Dan Harper stated that five bids were received and Asphaltic Surfaces was the low bidder. He noted that the costs were higher than anticipated, but the project was still under budget.

Bennett moved to recommend that the Board of Aldermen approve a construction agreement with Asphaltic Surfaces for the 2023 Mill & Overlay Program in the amount of \$318,122.50. Wassmer seconded; motion passed 4-0.

E. Approve a purchase order with Heritage Tractor for a 2023 John Deere Gator XUV835M

City administrator Alexa Barton said that staff researched different items to address the department's needs and the cooperative bid through Sourcewell had the lowest bidder. Parks and Recreation Director Brittanie Propes said the equipment would be used for day-to-day operations and would be added to the fleet.

Bennett moved to recommend the Board of Alderman approve a purchase order with Heritage Tractor Inc. to purchase a 2023 John Deere Gator in the amount of \$27,462.38. Wassmer seconded; motion passed 4-0.

F. Approve Change Order No. 1 with Remco Demolition for Phase II of the Farmers Market demolition

City Administrator Alexa Brton stated that Remco Demolition removed the farmers market structure and the second phase was to remove the concrete bases. Parks and Recreation Director Brittanie Propes said the bases were removed and did not pose a tripping or driving hazard. The barriers would be removed when the project was completed.

Bennett moved to recommend the Board of Aldermen approve Change Order No. 1 with Remco Demolition LLC for Phase II of the Farmers Market demolition in the amount of \$11,500. Wassmer seconded; motion passed 4-0.

Barton added that staff was looking at grant opportunities for the new structure and was waiting to hear back from Platte County about the transfer of the parks grant from the ballfields to the farmers market.

4. Non-Action Items

A. Quarterly Projects Update

City Administrator Alexa Barton said that staff would present the project update at the next meeting.

5. Unfinished Business (postponed from prior meetings)

6. Other Business

7. Adjourn

Chair Wylie adjourned the meeting at 4:58 p.m.

Submitted by:

Melissa McChesney
City Clerk

Approval Date

CITY OF PARKVILLE

Policy Report

Date: June 7, 2023

Prepared By:

Daniel Harper, Public Works Director

Reviewed By:

Alexa Barton, City Administrator

ISSUE:

Approve Work Authorization No. 4 with Fluid Equipment to repair the Sulzer Mixer at the wastewater treatment plant (Public Works)

BACKGROUND:

This contract is for Fluid Equipment to perform repairs and some component replacement on the of the mixer on aeration basin #2. It was disassembled for inspection on 4-7-23 and the motor tested and parts inspected with certain components recommend for replacement, reuse, or repair. Fluid Equipment was selected as current service provider to perform this work.

BUDGET IMPACT:

This project represents a portion of maintenance of the waste water treatment facility that was budgeted for \$25,000 for FY 23 as Maintenance under the Sewer Fund.

ALTERNATIVES:

1. Approve the work authorization to repair the sulzer mixer at the sewer plant.
2. Do not approve the item.
3. Postpone the item.

STAFF RECOMMENDATION:

Staff recommends approval of the contract awarded to Fluid Equipment, the City's current contractor for this service/repairs, in the amount of \$12,044.79.

POLICY:

The Purchasing Policy, Resolution No. 17-016, requires Board of Aldermen approval for all purchases above \$10,000 upon recommendation of the Finance Committee.

SUGGESTED MOTION:

I move to approve Work Authorization No. 4 with Fluid Equipment to repair the Sulzer Mixer at the wastewater treatment plant in the amount of \$12,044.79.

ATTACHMENTS:

1. Work Authorization No. 4
2. Inspection



CITY OF PARKVILLE • 8880 Clark Avenue • Parkville, MO 64152 • (816) 741-7676 • FAX (816) 741-0015

Work Authorization #4

Date: May 16, 2023

Issued to: Fluid Equipment, A Cogent Co.
4525 NW 41st St., Suite 400
Riverside, MO 64150

Project/Work Description

Title: Sulzer RW6522 Mixer Repair
Scope of Work/Purpose: Quote 7051673 Attached

Schedule and Price

Project Start Date: May 17, 2023
Estimated Completion Date: June 17, 2023
Latest Acceptable Date: June 17, 2023
Estimated Cost: \$12,044.79
Expenditure Limit: \$12,044.79
Budget Account Code: 30-501.06-12-00

Acceptance of this work authorization constitutes agreement to perform the work described above in accordance with the City of Parkville Terms and Conditions for maintenance projects.

Name/Title: Jason Robertson/President Signature: [Signature]
Company: Fluid Equipment Date: 5-10-2023

Authorization

Department Head: _____ Date: _____
Dan Harper, Public Works Director
City Administrator (if over \$2,500): Alexa Barton Date: 6/7/2023
Alexa Barton, City Administrator

Mayor (if over \$10,000) _____ Date: _____
Mayor Dean Katerndahl

For Internal Staff Use Only

(Initial each item and file with executed work authorization)
____ Employment Eligibility Status Verification (if the cost exceeds \$5,000)
☒ Certificate of Insurance that demonstrates compliance with the Terms and Conditions
☒ Valid business license

SERVICE ESTIMATE

Customer: City Of Parkville, MO Contact : Jason Brown Date: 04/03/2023 Phone: 816-741-7676 Fax: Project: Sulzer RW6522-A60/125TD-460 Mixer - F Quote #: 7051673 Opp #: OP-569151	Fluid - Municipal Kansas City 4525 NW 41st St, Suite 400 Riverside, MO 64150 Phone: 816-795-8511 Fax: 816-795-8926	 FLUID EQUIPMENT A COGENT COMPANY
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Dear Jason,

We are pleased to offer the following estimate for your review.

Line No	Quantity	Description of Unit	Net Each	Net Ext.
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1		Sulzer RW6522-A60/125TD-460 Mixer - Repair Serial Number - 300579550	Materials	\$9,564.79
			Labor	\$2,480.00
			Total	\$12,044.79

Disassembly, Cleaning, Inspection and Estimating Charge **\$744.00**

Amount due if this unit is not repaired. An invoice for this charge will automatically generate within 90 days of this estimate. This charge is for DCI (Disassembly, Clean and Inspect). All units left at our facility for more than 6 months will be scrapped unless written notification is received.

Delivery: 10 - 12 week(s) after receipt of P.O.
 FOB Point: Shipping Point
 Terms of Payment: Upon Receipt
 Quote Validity: 15 Days

Thank you for the opportunity to provide you with this estimate. Please let us know how you would like to proceed.

Quoted By:
Alexis Davis
adavis@cogentcompanies.com

Salesrep:
Jason Robertson
jrobertson@fluidequip.com
816-606-0153


COGENT
**Fluid Equipment
Service Center**

Opportunity Number	OP-569151	Date	4/7/2023
PQ/Order Number	7051673	Salesman	Jason Robertson
Customer	City of Parkville, MO	Customer Stock #	0
Contact Name, First	Jason	Service Type	Service
Contact Name, Last	Brown	Brand	Fluid Equipment
Contact Phone	(816) 215-5690	Market	Municipal
Contact Cell	-	Fluid Being Pumped	wastewater
Contact Email	jbrown@alliancewater.com	Equipment Location/Station	0

Manufacturer	SULZER
Model	RW6522-A60/125TD-460
Serial #	300579550
Item Type / Description	mixer
Additional Items	None
Level of Repair	Other - See Scope/Comments

DCI Technician	KC	DCI Date	3/24/2023
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Pump As Found/Received
Notes:

Sulzer mixer came in disassembled from FTC.

Provide estimate.



Initial Inspection

HP	8	FLA	17.5	Voltage	460V
Phase	Three	RPM	Drop	IMP Code	propeller
Power Cable Length		Power Cable Condition	Drop	Cable Disposition	Reuse
Sensor Cable Length	n/a	Sensor Cable Condition	n/a	Paint Color & Type	Dark Blue
FLS Sensor Model	n/a	FLS OHM Standard Open	n/a	FLS OHM Actual Open	n/a
		FLS OHM Standard Closed	n/a	FLS OHM Actual Closed	n/a
Thermal Sensor	Other	Thermal OHM Standard	Insert Value	Thermal OHM Reading	0.4
Bearing Sensor Model	n/a	Bearing OHM Standard	n/a	Bearing OHM Actual	n/a
Control Box	No	Control Box Condition	n/a		
Condition Of Oil	n/a	Mechanical Seal Pressure Test	Pump was disassemble, no		

Electrical Inspection

OEM Ohm Standard	R/B	n/a	R/W	n/a	B/W	n/a	Junction Chamber Cond	n/a
Cable OHM Reading	R/B	n/a	R/W	n/a	B/W	n/a	Junction Therm Reading	0.4
Junction OHM Reading	R/B	2.4	R/W	2.4	B/W	2.4	Junction FLS Reading	n/a
Cable Meg Reading	R	n/a	B	n/a	W	n/a	Electrical Notes:	
Junction Meg Reading	R	inf	B	inf	W	inf	Passed motor analyzer. Tested cable and cable tested good.	
Does the Pump Pass Electrical Checks?			Drop					

Wet End

Volute Condition	N/A
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Discharge Flange	N/A
------------------	-----

Discharge Size	N/A
----------------	-----

Drop	N/A
------	-----

Notes:

No Volute.

Wet End Disposition	N/A
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Propeller

Condition	Minimal Wear
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propeller Impeller Clear	N/A
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Balance Required?	No
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Notes:

Propeller shows minimal signs of wear.

Clean and reuse Propeller.



Propeller Disposition

Reuse

Mechanical Seals

Upper Seal Condition	Minimal Wear
----------------------	--------------

Lower Seal Condition	Minimal Wear
----------------------	--------------

Seal Material	Upper	Silicon Carbide
	Lower	Silicon Carbide

Seal Fit on Shaft	Upper	1.573 "
	Lower	1.573 "

Notes:

Replace Seal.



Upper Seal Disposition

Replace

Lower Seal Disposition

Replace

Bearing Housing

Housing Condition	Minimal Wear
-------------------	--------------

Bearing Grease Cond.	Contaminated
----------------------	--------------

Bearing Condition	Upper	Minimal Wear
	Lower	Severely Worn

Bearing Housing Fit	Upper	2.835 "
	Lower	3.938 "

Notes:

Bearing housing shows minimal signs of wear.

Clean and reuse Housing.



Housing Disposition

Reuse

Rotor

Rotor Condition	Worn
-----------------	------

Bearing Condition	Upper	Minimal Wear
	Lower	Severely Worn

Rotor Shaft Fit	Upper	1.182 "
	Lower	1.773 "

Notes:

Rotor is worn.

Replace or repair lower seal fix.



Rotor Disposition

read note

Bearing Disposition

Replace

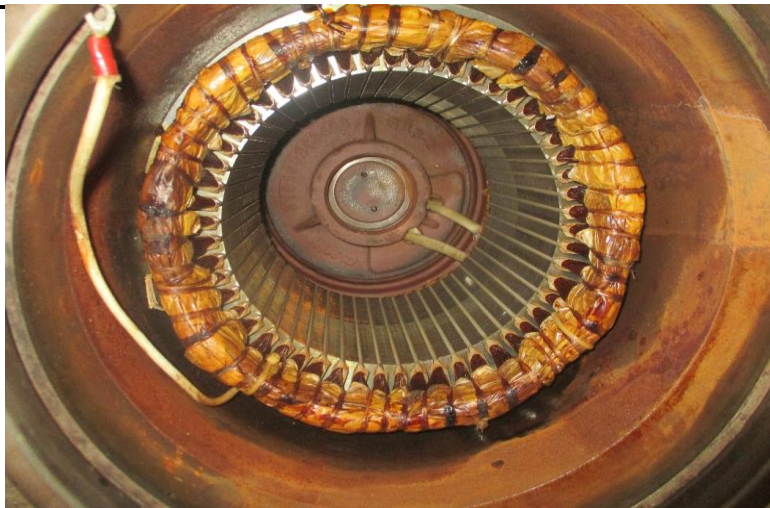
Stator

Wash and Bake?	No
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Winding Analyzer	Pass
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Notes:

Clean and reuse Stator.

**POST BAKE ELECTRICAL RESULTS:**

OHM Reading	R/B		R/W		B/W	
Meg Reading	R		B		W	
Thermal						

Stator Disposition

Reuse

Additional Notes & Findings**Item 1:**

The lower bearing was received in as seen in picture.

**Item 2:**

The snap ring groove need to be cleaned up.



Conclusions

O-Rings Condition	Squared	Bin Location	k5b
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Primary Cause of Failure

The mixer was torn down by FTC. They stated that the motor megged bad - It passed our motor analyzer test. It looks like it might have been wet inside the stator at one time, but it is currently dry. The cable tested good and is in usable condition. The lower bearing is in pieces and the lower bearing fit on the shaft is damaged. The shaft will need to be fixed or replaced. The lower shaft seal fit has grooves on it that would keep the seal from sealing.

Additional Notes & Suggestions

Rebuild mixer with wear parts, such as bearings, lockwashers, o-rings, and misc hardware. After assembly, paint mixer and package for return.

Parts Required

O-Rings	Seals	Bearings
Retaining Rings	Rotor	Sensor
Cable Terminal Eyelet	Cap Screws	Washers
Key	Hose Clamp	Cable Grommet
Support Ring	Nuts	Set Screws
Clamp	Edge Strip	

Inspection Reviewed By	Luke Steinhauser	Date	3/27/2023
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SERVICE ESTIMATE

Customer: City Of Parkville, MO Contact : Jason Brown Date: 04/03/2023 Phone: 816-741-7676 Fax: Project: Sulzer RW6522-A60/125TD-460 Mixer - F Quote #: 7051673 Opp #: OP-569151	Fluid - Municipal Kansas City 4525 NW 41st St, Suite 400 Riverside, MO 64150 Phone: 816-795-8511 Fax: 816-795-8926	 FLUID EQUIPMENT A COGENT COMPANY
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			Total	\$12,044.79

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Amount due if this unit is not repaired. An invoice for this charge will automatically generate within 90 days of this estimate. This charge is for DCI (Disassembly, Clean and Inspect). All units left at our facility for more than 6 months will be scrapped unless written notification is received.

Delivery: 10 - 12 week(s) after receipt of P.O.
 FOB Point: Shipping Point
 Terms of Payment: Upon Receipt
 Quote Validity: 15 Days

Thank you for the opportunity to provide you with this estimate. Please let us know how you would like to proceed.

Quoted By:
Alexis Davis
adavis@cogentcompanies.com

Salesrep:
Jason Robertson
jrobertson@fluidequip.com
816-606-0153

STANDARD TERMS AND CONDITIONS

Price is FOB shipping point and does not include any freight charges. Price does not include any applicable duties or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to this equipment and/or project. Unless specifically stated, price does not include manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

If the price is included in a proposal, the price is firm for receipt of an order within 15 days of the date shown on the proposal. Any additional terms and conditions included in the proposal are specifically included in these terms and conditions.

Unless otherwise expressly agreed to in writing by Seller, all shipments are FOB Seller shipping point at which point title also transfers.

Payment is due upon receipt of the invoice. An interest charge of 1-1/2% per month will be added to past due balances. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company at the time of order, and shall in no case exceed a period of 120 days. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

Payment of 'commercial transaction' invoices by credit card will be charged a fee based upon Cogent's average discount rate for credit card transactions for the prior calendar year. This fee will change annually and is currently 2.55%.

All equipment either rented from or through Company is subject to all of the terms and conditions listed on the back of the rental contract. Pricing does not include any overtime running of power equipment.

In no event shall Company's obligations and liabilities under this Agreement include any direct, indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill; nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

Customer shall be responsible for determining the good operating condition of all materials and equipment prior to accepting the materials and equipment. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY, BUT IN SUCH CASE THE WARRANTY OR GUARANTEE IS LIMITED AS ABOVE PROVIDED. Notwithstanding the foregoing, Company will pass through to the Customer any warranty provided by the manufacturer of any equipment supplied by Company.

Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the equipment or materials purchased or rented hereunder. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the equipment or materials, to the fullest extent allowable by law.

In connection with a proposal, if Customer has any further questions or comments regarding the proposal, please feel free to contact Company. If the proposal meets with Customer's approval, please sign, date and mail or fax a copy of the proposal back to Company's office, and the identified equipment will be ordered and/or scheduled for delivery.

This agreement shall be governed by the laws of the state where the Company's branch office is located from which the equipment is rented or purchased. Customer further agrees that venue and jurisdiction shall be appropriate in the county in which Company's branch office is located from which the equipment was rented or purchased. Any provisions hereof which may prove unenforceable under any law shall not affect the validity of any other provision hereof.

Revised March 2022

ITEM 3.C.

For 6/12/2023

Board of Aldermen - Finance Committee Meeting

CITY OF PARKVILLE

Policy Report

Date: June 7, 2023

Prepared By:

Daniel Harper, Public Works Director

Reviewed By:

Alexa Barton, City Administrator

ISSUE:

Approve an agreement with Wiedenmann, Inc. for the 2023 Sanitary Sewer Repairs project (Public Works)

BACKGROUND:

This contract is for sanitary sewer repairs for the restoration of valve pits, point segment repairs, and raising man-holes. There were six companies that provided bids for this project; Wiedenmann Inc. was selected based upon the lowest and best bid. This work is located in downtown, Riss Lake, Country Gardens, Melody Heights, and the Bluffs.

BUDGET IMPACT:

This project covers a portion of the Capital Improvement Program Line Maintenance program that was budgeted for \$750,800.00 for FY 23 as a Capital Outlay under the Sewer Fund.

ALTERNATIVES:

1. Approve the agreement with Wiedenmann for the 2023 Sanitary Sewer Repairs project.
2. Do not approve the item.
3. Postpone the item.

STAFF RECOMMENDATION:

Staff recommends approval of the contract awarded to Wiedenmann, Inc., the low and best bid response, in the amount of \$240,764.00.

POLICY:

The Purchasing Policy, Resolution No. 17-016, requires Board of Aldermen approval for all purchases above \$10,000 upon recommendation of the Finance Committee.

SUGGESTED MOTION:

I move to approve an agreement with Wiedenmann Inc. for the 2023 Sanitary Sewer Repairs project in the amount of \$240,764.

ATTACHMENTS:

1. Bid Tab
2. Agreement
3. Bid Plan Set

BID TABULATION

Sanitary Sewer Repairs, 2023
Bid Opening Wednesday, May 18, 2023
10:05 a.m., Public Works Conference Room

Bidder Name	TOTAL
*Wiedenmann, Inc. Belton, MO	\$240,764.00
Havens Construction Co., Inc. Liberty, MO	\$246,784.00
SDI, LLC Blue Springs, MO	\$273,364.00
Legacy Underground Construction Harrisonville, MO	\$299,000.00
Kissick Construction KCMO	\$408,972.00
Rodriguez Mechanical Contracts <i>Withdrew Bid</i>	-----

(*) Recommended Award of Purchase

CITY OF PARKVILLE, MO

**AGREEMENT BETWEEN CITY OF PARKVILLE
AND WIEDENMANN, INC.
FOR**

PUBLIC IMPROVEMENT OF:

SANITARY SEWER REPAIRS - 2023

This agreement is made and entered into this 20th day of June, 2023 by and between the City of Parkville, Missouri, (hereinafter the "City") and Wiedenmann, Inc. (hereinafter the "Contractor").

WITNESSETH:

WHEREAS, the City, in the manner prescribed by law, has publicly opened, examined and evaluated the Bids submitted, and as a result of this process has, in accordance with the law, determined and declared the Contractor to be the lowest and best responsible bidder for the construction of the public improvements, and has duly selected the Contractor for award of a contract therefor upon the terms and conditions set forth in this Agreement for the sum or sums stated below.

WHEREAS, the City has caused to be prepared, in accordance with the law, Notice to Bidders, Instructions to Bidders, Bid, this Agreement, General and Special Conditions, Plans, Specifications and other documents as identified below and as further defined in the General Conditions (collectively referred to as "the Contract Documents"), for the work therein described, and has approved and adopted these said Contract Documents and has caused to be published, in the manner and for the time required by law, an advertisement inviting sealed Bids for furnishing construction materials, labor, tools, equipment and transportation necessary for, and in connection with, the construction of public improvements in accordance with the terms of this Agreement; and

WHEREAS, the Contractor, in response to the advertisement, has submitted to the City, in the manner and at the time specified, a sealed Bid in accordance with the terms of this Agreement; and

WHEREAS, the City, in the manner prescribed by law, has publicly opened, examined and evaluated the Bids submitted, and as a result of this evaluation has, in accordance with the law, determined and declared the Contractor to be the lowest and best responsible bidder for the construction of the public improvements, and has duly selected

the Contractor for award of a contract therefor upon the terms and conditions set forth in this Agreement for the sum or sums set forth below.

NOW, THEREFORE, in consideration of the compensation to be paid the Contractor, and of the mutual agreements herein contained, the parties hereto have agreed, and hereby agree, the City for itself and its successors and the Contractor for itself, its, successors and assigns, as follows:

ARTICLE I. The Contractor will furnish at its own cost and expense all labor, tools, equipment, materials and transportation required to construct and complete the work designated, described and required by the Contract Documents, to wit:

all in accordance with the Contract Documents, on file with the City Clerk of Parkville, Missouri, all of which are as fully a part hereof as if repeated verbatim herein; all work to be done in a good, substantial and workmanlike manner to the entire satisfaction of the City, and in accordance with the laws of the City, the State of Kansas and the United States of America. All terms used herein shall have the meanings ascribed to them in the General Conditions unless otherwise specified.

ARTICLE II. The City shall pay to the Contractor for the performance of the work embraced in this Contract, and the Contractor will accept in full compensation therefor, the sum of **TWO HUNDRED FORTY THOUSAND SEVEN HUNDRED SIXTY-FOUR DOLLARS AND NO/100 (\$240,764.00)** (subject to adjustment as provided by the Contract Documents) for all work covered by and included in the Contract award and designated in the foregoing Article I, payment thereof to be made in cash or its equivalent and in the manner provided in the Contract Documents.

ARTICLE III. The contractor shall commence work upon the date stated in the Notice to Proceed and will complete all work within **120 days of the NOTICE TO PROCEED**. In addition, from the time Contractor mobilizes to the site, all improvements shall be complete within 60 calendar days. Time is of the essence. Accordingly, liquidated damages shall be assessed against Contractor, as stipulated liquidated damages and not as a penalty, in the amount of **\$200.00** for each and every calendar day the work remains incomplete over the specified completion time. Additional time requirements are set forth on the Drawings.

ARTICLE IV. This Agreement shall not become effective, nor shall Contractor commence any work hereunder, until the City has received, and approved, the Certificate of Insurance and Additional Insured-and Notice of Cancellation Endorsements, the fully executed Performance and Payment Bonds with Powers of Attorney, and the list of proposed Subcontractors from Contractor.

ARTICLE V. This Agreement is entered into, under and pursuant to, and is to be construed and enforceable in accordance with the laws of the State of Missouri.

ARTICLE VI: The following documents are made part of this agreement by reference:

Contractor's Bid Form and attachments.

- Exhibit A General Conditions of the Contract
- Exhibit A-1 Special Conditions of the Contract
- Exhibit B-1 Performance Bond
- Exhibit B-2 Payment Bond
- Exhibit B-3 Maintenance Bond
- Exhibit C List of Plans (by sheet number and date), including all addenda thereto
- Exhibit D List of Specifications (by Section number) including all addenda thereto
- Exhibit E Contractor's Affidavit Acknowledging Federal Lobbying Activities and Conflict of Interest Prohibition
- Exhibit F Sales tax exemption documentation forms
- Exhibit G Contractor's Affidavit of Compliance with Non-Discrimination and Equal Employment Opportunity Laws
- Exhibit H Affidavit of Compliance with Safety Training Requirements (§292.675 R.S. Mo.)
- Exhibit I Affidavit of Compliance with R.S. Mo §285.530.6
- Exhibit J-1 Applicable Missouri Prevailing Wage Rates
- Exhibit J-2 Prevailing Wage Rate Reporting Form
- Exhibit J-3 Certification of Compliance with Prevailing Wage Requirements
- Exhibit K Insurance Requirements
- Exhibit L Bill of Sale
- Exhibit M Bailment Agreement
- Exhibit N Conditional Partial Waiver of Lien and Release of Claims
- Exhibit O Conditional Final Waiver of Lien and Release of Claims
Certificate of Substantial completion
Certificate of Final Completion
Construction Change Directive
Change Order

WITNESS WHEREOF, the City of Parkville, Missouri, has caused this Agreement to be executed on its behalf, thereunto duly authorized, and the said Contractor has executed thru counterparts of this contract in the prescribed form and manner, the 20th day of June, 2023.

CITY OF PARKVILLE, MISSOURI

By: DEAN KATERNDAHL

Title: Mayor

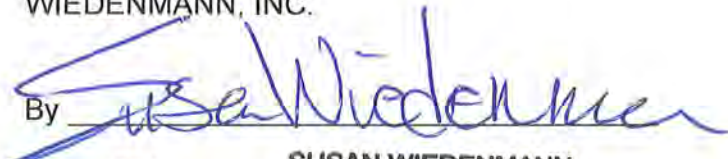
ATTEST:

Melissa McChesney, City Clerk

WIEDENMANN, INC.

By _____

Title


SUSAN WIEDENMANN
President/Treasurer

(SEAL)

(If the Contract is not executed by the President of the Corporation or general partner of the partnership, please provide documentation, which authorizes the signatory to bind the corporation or partnership. If a corporation, Contractor shall furnish the City a current certificate of good standing, dated within ten (10) days of the date of this Contract.)

BID FORM
UNIT PRICE
SANITARY SEWER REPAIRS- 2023
FOR
CITY OF PARKVILLE, MISSOURI

To: City of Parkville, Missouri Submitted By: Wiedenmann, Inc.

THE UNDERSIGNED BIDDER, having examined the Instructions to Bidders, Contract Forms, Drawings, Specifications, General Conditions, Special Conditions, and other related Contract Documents referred to herein, and any and all Addenda thereto; the location, arrangement, and construction of existing railways, highways, streets, roads, structures, utilities, and facilities which affect or may be affected by the Work; the topography and condition of the site of the Work; and being acquainted with and fully understanding (a) the extent and character of the Work covered by this Bid Form; (b) the location, arrangement, and specified requirements of and for the proposed structures and miscellaneous items of Work appurtenant thereto; (c) the nature and extent of the excavations to be made, and the type, character and general condition of the materials to be excavated; (d) the necessary handling and re-handling of excavated materials; (e) all existing and local conditions relative to construction difficulties and hazards, labor, transportation, hauling, trucking and rail delivery facilities; and (f) all local conditions, laws, regulations, and all other factors and conditions affecting or which may be affected by the performance of the Work required by the Contract Documents.

HEREBY PROPOSES and agrees, if this Bid is accepted, to enter into agreement in the form attached hereto, and to perform all Work and to furnish all required materials, supplies, equipment, tools and plant; to perform all necessary labor; and to construct, install, erect and complete all Work stipulated in, required by, in accordance with the Contract Documents and other terms and conditions referred to therein (as altered, amended, or modified by any and all Addenda thereto) at the prices set forth in the following Schedule of Prices.

Bidder hereby agrees to commence Work under this Contract on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty days after the Effective Date of the Agreement. The Bidder agrees to fully complete all Work within the time frame as provided for in the Agreement.

Bidder further agrees, if the Bid is accepted, to pay as an agreed amount of liquidated damages at the rate of \$200.00 per day, as provided in the Agreement, General Conditions, and Special Conditions.

Bidder accepts the provisions of the Instructions to Bidders regarding disposition of Bid Security.

Bidder acknowledges receipt of the following Addenda, which have been considered in the preparation of this Bid:

No. <u>1</u>	Dated: <u>5/10/23</u>
No. _____	Dated: _____
No. _____	Dated: _____
No. _____	Dated: _____
No. _____	Dated: _____

Failure to furnish all information requested below may be cause for rejection of the Bid.

Bidder agrees, if the Bid is accepted, to perform all the Work described in the Contract Documents, including all Addenda, for the prices set forth in the "Schedule of Unit Prices" presented at the end of this Section. In case of a discrepancy between the Unit Price and the Extension Figure, the Unit Price shall be considered to be the Bid.

TOTAL BASE BID PRICE (IN WORDS AND FIGURES)

Two Hundred Forty Thousand Seven Hundred Sixty Four Dollars and No Cents

_____ Dollars & no/cents <u>240,764.00</u>
(Words) (Figures)

Award shall be based on the City's evaluation of prices and other factors affecting the responsibility and responsiveness of Bidders. The City reserves the right to award all, some or none of the items identified above to the successful bidder.

The undersigned hereby agrees that this bid shall be good and may not be withdrawn for a period of thirty (30) calendar days after the scheduled closing time for receiving bids.

The undersigned hereby agrees to enter into Contract on the attached Agreement Form within fifteen (15) consecutive calendar days from the receipt of Notice of Award from the City's acceptance of this Bid, and to complete said Work within the indicated number of consecutive calendar days from the Effective Date of the Agreement, or if a Notice to Proceed is given, from the date indicated in the Notice to Proceed.

Bidder has submitted with this Bid its Bid Security as required by the Instructions to Bidders. Bidder further understands that, if the City has specified in the Instructions to Bidders that Performance, Payment, and Maintenance Bonds are required, that the Bidder's failure to submit them on the forms provided and in compliance with all requirements may result in rejection of this Bid.

If this Bid is accepted and should Bidder for any reason fail to sign the Agreement within fifteen (15) consecutive calendar days as above stipulated, the Bid Security which has been made this day with the City shall, at the option of the City, be retained by the City as liquidated damage for the delay and expense caused the City, but shall not be deemed to limit the Bidder's liability for all of the City's damages; but otherwise, it shall be returned to the undersigned in accordance with the provisions set forth in the Instructions to Bidders.

The undersigned acknowledges that the City retains the option to accept or reject any bid for any reason.

Dated at Wiedenmann, Inc. this 18th day of May, 2023

LICENSE or CERTIFICATE NUMBER, if applicable #1663

FILL IN THE APPROPRIATE SIGNATURE AND INFORMATION BELOW:

IF AN INDIVIDUAL: _____ Doing Business As

Signature and Title

Name of Firm

Business Address of Bidder: _____

Telephone No. & Email

IF A PARTNERSHIP:

Name of Partnership

Member of Firm

Business Address of Bidder: _____

Telephone No. & Email

IF A CORPORATION:

Wiedenmann, Inc.

Name of Corporation

By

Susan Wiedenmann
Signature & Title

Susan Wiedenmann - President

ATTEST:

Jerry Wiedenmann

Jerry Wiedenmann - Secretary

(CORPORATE SEAL)

Business Address of Bidder: 950 N. Scott

Belton, MO 64012

Telephone No. & Email 816.322.1125 - dan@wiedenmanninc.com

If Bidder is a Corporation, supply the following information:

State in which Incorporated: Missouri

Name and Address of its: **President** Susan Wiedenmann

950 N. Scott, Belton, MO 64012

Secretary Jerry Wiedenmann

950 N. Scott, Belton, MO 64012

City of Parkville - Sanitary Sewer Repairs - 2023

Schedule of Unit Prices:

Item	Description	Qty.	Unit	Unit Price	Extension
1	Mobilization (Limited to 5% of total Bid Price)	1	LS	11,500	11,500
2	Sewer Point Repairs in West 4th St.	1	LS	33,000	33,000
3	Sewer Point Repair Segment G04-G03, Melody Heights	1	LS	15,000	15,000
4	Sewer Point Repair Segment G05A-G05, Melody Heights	1	LS	20,000	20,000
5	Sewer Point Repair Segment J14-J13A, The Bluffs	1	LS	23,000	23,000
6	Easement Clearing & Grading	2208	LF	33	72,864
7	Manhole Grade Adjustment (Adjusting Rings)	4	EA	2,500	10,000
8	Install Manhole Barrel Section to Raise, MH J13A	1	EA	5,000	5,000
9	LPS Valve Pit Grade Adjustment (Adjusting Rings)	33	EA	900	29,700
10	Replace Existing Iron Frame & Lid with Non-Metallic	18	EA	1,150	20,700

Total Bid Price (enter also on Bid Form)

240,764.00

Notes:

- 1 Some bid items may not be used, depending on project conditions and bid pricing.
- 2 Note that mobilization and general requirements is limited to 5% of total bid price.
- 3 The following pages titled "Description of Unit Prices" accompany this Schedule and are part of the Bid Form.
- 4 Owner may reduce the quantities of work from those shown above.

CITY OF PARKVILLE, MISSOURI

SANITARY SEWER REPAIRS - 2023



SHEET LIST:

- 1. TITLE SHEET & NOTES
- 2. GENERAL NOTES
- 3. LOCATION MAP
- 4. PLAN - SEWER REPAIRS IN WEST 4th ST.
- 5. MAP - SEWER REPAIRS - MELODY HEIGHTS
- 6. MAP - SEWER REPAIRS - COUNTRY GARDENS
- 7. MAP - SEWER REPAIRS - THE BLUFFS
- 8. MAP - LPS PIT REPAIRS - LAKEVIEW DR.
- 9. MAP - LPS PIT REPAIRS - COVE VIEW CT.
- 10. MAP - LPS PIT REPAIRS - SPINNAKER PTE.
- 11. MAP - LPS PIT REPAIRS - SLEEPY HOLLOW DR.
- 12. MAP - LPS PIT REPAIRS - TRAIL RIDGE DR.
- 13. MAP - LPS PIT REPAIRS - MEADOW LAKE DR.
- 14. MAP - LPS PIT REPAIRS - TIMBER RIDGE DR.
- 15. MAP - LPS PIT REPAIRS - TWILIGHT PLC.
- 16. MAP - LPS PIT REPAIRS - TIMBER CREST PLC.
- 17. MAP - LPS PIT REPAIRS - SOUTHLAKE DR.
- 18. MAP - LPS PIT REPAIRS - WEST SHORE ESTATES
- 19. MAP - LPS PIT REPAIRS - JULIAN DR.
- 20. TABLES - MANHOLE GRADE ADJUSTMENTS
- 21. TABLE - LPS VALVE PIT GRADE ADJUSTMENTS
- 22. MISCELLANEOUS DETAILS

OVERALL SEQUENCE OF CONSTRUCTION

- 1. The following sequence of construction is proposed by Engineer. Contractor may modify this sequence with the consent of City.
- 2. Shop drawing submittals and approvals.
- 3. Mobilize.
- 4. Perform clearing and grading of easement areas.
- 5. Take delivery of all major materials and structures.
- 6. Locate utilities and pothole key utility crossings as necessary.
- 7. Notify affected residents for West 4th St. Repair.
- 8. Begin work on the West 4th Street repair. Excavations shall be backfilled and drive-able before moving on to next site.
- 9. Perform point repairs and manhole grade adjustments in Bluffs, Melody Heights, and Country Gardens areas.
- 10. Notify affected residents in Riss Lake, for the LPS valve pit grade adjustments.
- 11. Perform LPS valve pit grade adjustments in Riss Lake.
- 12. Complete clean-up and restoration.

TIME LIMITATIONS

- 1. Contractor and City recognize that the Work must be completed expeditiously and with minimum delay and inconvenience to residents. Accordingly, the following limitations shall apply.
- 2. All Work shall be complete within 120 calendar days of City's written Notice to Proceed.
- 3. From the time Contractor mobilizes to the site, all improvements shall be complete within 60 calendar days.
- 4. Additional time limitations for road closures are presented on the plan sheets specific to each repair site.
- 5. City will grant a time extension for days of inclement weather when Contractor is unable to work.
- 6. Refer to Contract Documents for liquidated damages provisions.

MINI-CAMERA:

- 1. For sewer point repairs, Contractor shall keep on site a functional mini-camera (e.g. pipe push camera) for use in locating and exploring small diameter sewer lines. Mini-cam shall have color screen, recording capability, and a transmitter sond with locate wand for determining pipe locations on the ground surface. Contractor's personnel shall be trained and capable in the use of this equipment.

TRAFFIC CONTROL & ROAD CLOSURES

- 1. Contractor is responsible for traffic control, signage, flagmen, barricades, etc.
- 2. Contractor shall submit a traffic control plan to City for review. Traffic control plan shall summarize the number, location, and type of signs required for construction zone warnings, road closures, and lane reductions. Contractor shall adhere to the traffic control plan.
- 3. Additional requirements at each repair location are set forth on the plan sheets of these Drawings.
- 4. Contractor shall prepare a planned schedule of anticipated closures and lane reductions in advance, for communication to Owner and residents.
- 5. Contractor shall provide residents and business owners with vehicle access to their driveways, where possible.

CONCRETE & MATERIALS TESTING:

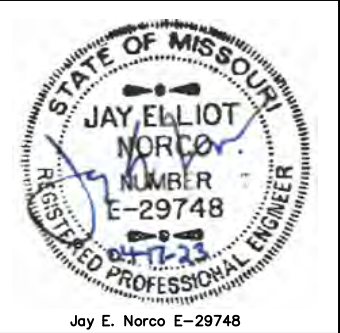
- 1. These plan, section, and detail sheets call for certain testing to be performed by Contractor, at Contractor's cost. Contractor shall schedule this testing work.
- 2. City may perform additional testing on concrete materials, soils compaction, and other items of work, at City's cost. In this case, Contractor shall cooperate with testing personnel and provide access to work for testing purposes.
- 3. Summary of materials testing by Contractor:
 - a. Slump, air, cylinders for concrete trench cap in City streets. Break cylinders at 7 and 28 days.
 - b. Slump, air, cylinders for concrete curb & sidewalk in City R.O.W. Break cylinders at 7 and 28 days.
 - c. Compaction testing for granular (AB3) backfill in City streets. Not required for flow-able fill. Two tests each location. Nuclear density. Use established Proctor values.
 - d. All test reports shall be sent by testing lab directly to City.

Revisions		Description	
No.	Date		

The logo for North Hills Engineering, Inc. (MAE) features the letters "MAE" in a stylized, green, cursive font, with a green swoosh underneath.

NORTH HILLS ENGINEERING, INC., northhillseng@gmail.com,
1825 Sunrise Dr. Smithville, MO 64089, (816) 935-2777

CL#2012038740



CITY OF PARKVILLE, MO
8880 CLARK AVE. - PARKVILLE, MO 64152

SANITARY SEWER REPAIRS - 2023
TITLE SHEET & NOTES

Design:	Drawn: JEN
Date:	4-17-23
Sheet:	1 of 22

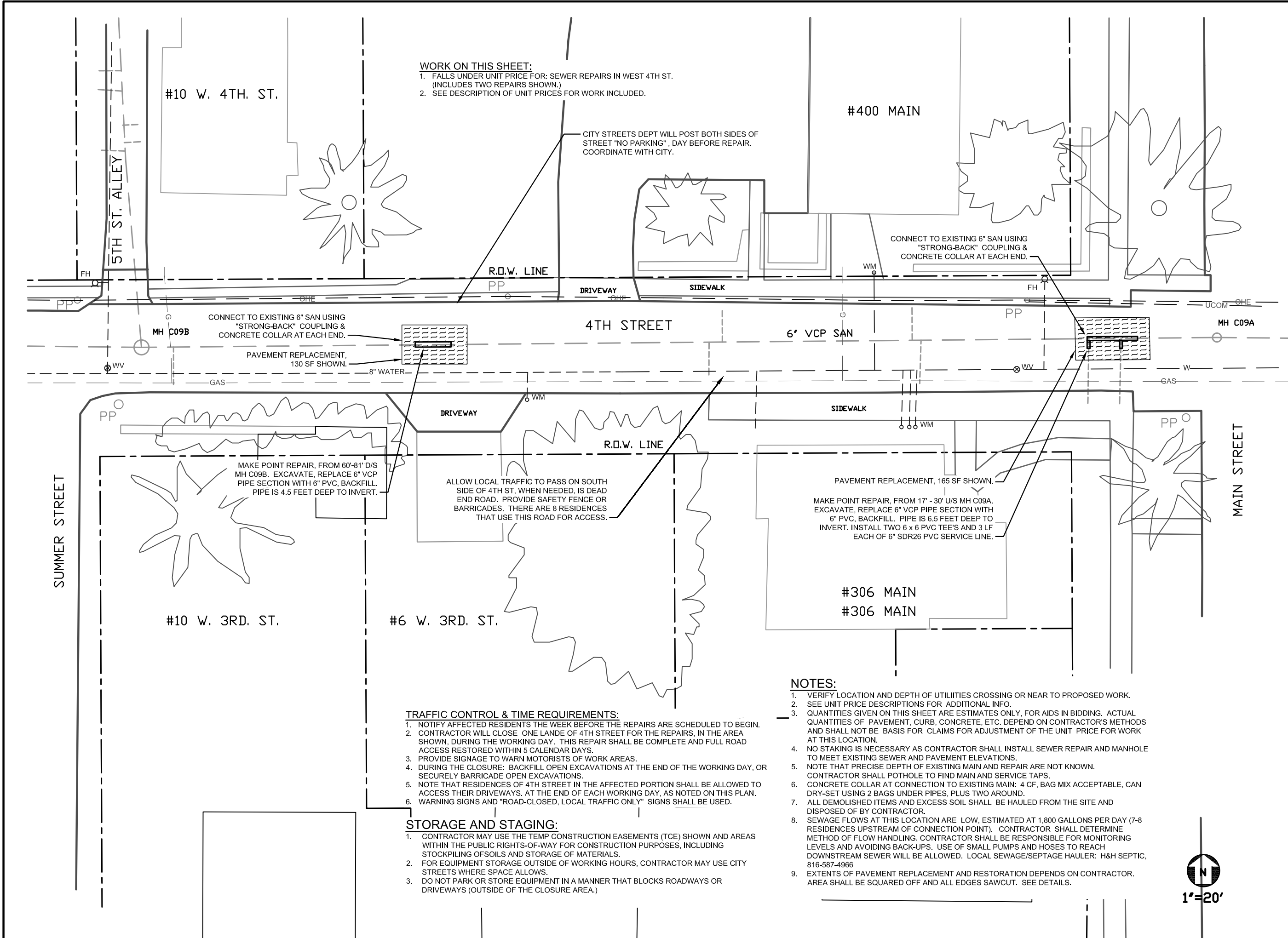
1. This contract includes the clearing and grading of sewer easements, repair of existing sanitary sewers, repairs to existing sanitary sewer manholes, raising existing manhole top elevations by barrel installation and adjusting rings, replacement of manhole castings, raising tops of existing low pressure sewer valve pits by adjusting rings, surface restoration, and associated work. Refer also to the unit price descriptions for a detailed description of Work.
2. The Repairs shown herein will be constructed by a contractor for the City of Parkville, Missouri. Drawings have been prepared by North Hills Engineering, Inc. (Engineer).
3. These Drawings make reference to the APWA Specifications, which are understood to be the current edition of the Standard Specifications of Kansas City Metropolitan Chapter of the American Public Works Association.
4. Contractor shall use the Missouri "One-Call" System for utility notification and location, prior to excavation.
5. Contractor is responsible for means and methods of construction, and for jobsite safety.
6. Permits: This project requires neither a City nor a County Building Permit. However, Contractor and all subcontractors shall obtain a City occupational license at City Hall. Estimated cost is \$56.00.
7. The utility locations shown on these plans are taken from utility company records and recent locates and are approximations only. The locations shown do not constitute actual field locations unless so noted on the plans. Neither the Engineer nor the City assumes any responsibility for the accuracy of these locations nor for any additional utilities not indicated on the plans. Contractor shall verify existing dimensions and utilities prior to constructing the repairs and improvements. Contractor shall pothole utilities where noted on the Plan Sheets. Contractor shall be responsible for all damage to utilities.
9. The Contractor shall not be allowed to work on Sundays. Holiday and Saturday work shall be approved by City or Engineer.
10. Lineal foot measurements shown on the plans are horizontal measurements not slope measurements.
11. All excess soil and rock material from this project shall be removed from the project sites and disposed of by Contractor, unless Contractor reaches agreement with property owner for use/disposal of rock and soil material.
12. It shall be the responsibility of the contractor to protect the adjacent and downstream property owners from storm water, silt and erosion during all phases of construction.
13. Contractor shall restore existing surfaces and conditions to conditions equal to or better than existing conditions. Contractor shall be responsible for damage to all public and private property, resulting from Contractor's operations.
14. All Excavations shall be considered unclassified. However, Owner will compensate Contractor for removal of hard rock (requiring a hammer or rock trencher) on a per-cubic yard basis, at a rate of \$250.00 per cubic yard in-place. Contractor shall record the depths of hard rock removed, and write on the Record Drawings at 25-foot intervals.
15. All job-excavated trench backfill shall be compacted, using the tamping action of the excavator bucket. Granular backfill shall be compacted by vibratory means.
16. The contractor shall be required to keep the existing sanitary sewers operational during construction. Suggested locations for sewage hauling and/or bypass pumping are shown on the Plan Sheets.
17. According to MDNR regulations, when water mains and sewers cross, a minimum of 24-inches of clearance shall be maintained between the water mains and the sewers. When 24-inches cannot be maintained between the water main and the sewer, or when a water main must cross under a sewer, the sewer shall be constructed of ductile iron pipe, PVC pressure pipe or pre-stressed concrete cylinder pipe for a distance of 10.0 feet on each side of the crossing. One full joint of sewer pipe shall be centered on the crossing so that the joints are a minimum of 10.0 feet from the crossing. Also the water main shall have one full joint of pipe centered on the crossing, so that the joints are a minimum of 10.0 feet from the crossing. When a water main is constructed parallel to a sewer, the horizontal separation shall be 10.0 feet. A water main may be constructed closer than 10.0 feet to a sewer if the water main is in a separate trench and the vertical separation between the top of the sewer and the bottom of the water main is a minimum of 24-inches. If a vertical separation of 24-inches cannot be maintained and if the water main is constructed closer than 10.0 feet to the sewer, the sewer shall be constructed of ductile iron pipe, PVC pressure pipe or pre-stressed concrete cylinder pipe and shall be hydrostatically tested for water tightness. MDNR regulations do not allow for either the water main or the sewer to be encased in concrete when the minimum separation cannot be maintained.
18. Contractor shall provide a competent instrument person for staking of grades. Benchmarks for reference are shown on the Plan Sheets.
19. UTILITIES IN AREA:

City of Parkville (Roads, Storm Sewers)
K.C.P.L. Co.
AT&T
Spire (was Missouri Gas Energy)
Time Warner Cable
Missouri One Call System
Alliance Water Resources (Sanitary Sewer)
Missouri American Water Co.

741-7676
471-5275
800-222-0400
314-342-0810 OR 800-582-0000(EMERGENCY)
358-5360
800-Dig-Rite
215-5690
741-2992

Page 3





WORK ON THIS SHEET:
1. FALLS UNDER UNIT PRICE FOR: SEWER REPAIRS IN WEST 4TH ST.
(INCLUDES TWO REPAIRS SHOWN.)
2. SEE DESCRIPTION OF UNIT PRICES FOR WORK INCLUDED.

CITY STREETS DEPT WILL POST BOTH SIDES OF
STREET "NO PARKING", DAY BEFORE REPAIR.
COORDINATE WITH CITY.

#400 MAIN

CONNECT TO EXISTING 6" SAN USING
"STRONG-BACK" COUPLING &
CONCRETE COLLAR AT EACH END.

CONNECT TO EXISTING 6" SAN USING
"STRONG-BACK" COUPLING &
CONCRETE COLLAR AT EACH END.

PAVEMENT REPLACEMENT,
130 SF SHOWN.

MAKE POINT REPAIR, FROM 60'-31' D/S
MH C09B. EXCAVATE, REPLACE 6" VCP
PIPE SECTION WITH 6" PVC, BACKFILL.
PIPE IS 4.5 FEET DEEP TO INVERT.

ALLOW LOCAL TRAFFIC TO PASS ON SOUTH
SIDE OF 4TH ST, WHEN NEEDED, IS DEAD
END ROAD. PROVIDE SAFETY FENCE OR
BARRICADES. THERE ARE 8 RESIDENCES
THAT USE THIS ROAD FOR ACCESS.

PAVEMENT REPLACEMENT, 165 SF SHOWN.
MAKE POINT REPAIR, FROM 17' - 30' U/S MH C09A.
EXCAVATE, REPLACE 6" VCP PIPE SECTION WITH
6" PVC, BACKFILL. PIPE IS 6.5 FEET DEEP TO
INVERT. INSTALL TWO 6 x 6 PVC TEE'S AND 3 LF
EACH OF 6" SDR26 PVC SERVICE LINE.

#306 MAIN
#306 MAIN

TRAFFIC CONTROL & TIME REQUIREMENTS:

1. NOTIFY AFFECTED RESIDENTS THE WEEK BEFORE THE REPAIRS ARE SCHEDULED TO BEGIN.
2. CONTRACTOR WILL CLOSE ONE LANE OF 4TH STREET FOR THE REPAIRS, IN THE AREA SHOWN, DURING THE WORKING DAY. THIS REPAIR SHALL BE COMPLETE AND FULL ROAD ACCESS RESTORED WITHIN 5 CALENDAR DAYS.
3. PROVIDE SIGNAGE TO WARN MOTORISTS OF WORK AREAS.
4. DURING THE CLOSURE: BACKFILL OPEN EXCAVATIONS AT THE END OF THE WORKING DAY, OR SECURELY BARRICADE OPEN EXCAVATIONS.
5. NOTE THAT RESIDENCES OF 4TH STREET IN THE AFFECTED PORTION SHALL BE ALLOWED TO ACCESS THEIR DRIVEWAYS, AT THE END OF EACH WORKING DAY, AS NOTED ON THIS PLAN.
6. WARNING SIGNS AND "ROAD-CLOSED, LOCAL TRAFFIC ONLY" SIGNS SHALL BE USED.

STORAGE AND STAGING:

1. CONTRACTOR MAY USE THE TEMP CONSTRUCTION EASEMENTS (TCE) SHOWN AND AREAS WITHIN THE PUBLIC RIGHTS-OF-WAY FOR CONSTRUCTION PURPOSES, INCLUDING STOCKPILING OF SOILS AND STORAGE OF MATERIALS.
2. FOR EQUIPMENT STORAGE OUTSIDE OF WORKING HOURS, CONTRACTOR MAY USE CITY STREETS WHERE SPACE ALLOWS.
3. DO NOT PARK OR STORE EQUIPMENT IN A MANNER THAT BLOCKS ROADWAYS OR DRIVEWAYS (OUTSIDE OF THE CLOSURE AREA.)

NOTES:

1. VERIFY LOCATION AND DEPTH OF UTILITIES CROSSING OR NEAR TO PROPOSED WORK.
2. SEE UNIT PRICE DESCRIPTIONS FOR ADDITIONAL INFO.
3. QUANTITIES GIVEN ON THIS SHEET ARE ESTIMATES ONLY, FOR AIDS IN BIDDING. ACTUAL QUANTITIES OF PAVEMENT, CURB, CONCRETE, ETC. DEPEND ON CONTRACTOR'S METHODS AND SHALL NOT BE BASIS FOR CLAIMS FOR ADJUSTMENT OF THE UNIT PRICE FOR WORK AT THIS LOCATION.
4. NO STAKING IS NECESSARY AS CONTRACTOR SHALL INSTALL SEWER REPAIR AND MANHOLE TO MEET EXISTING SEWER AND PAVEMENT ELEVATIONS.
5. NOTE THAT PRECISE DEPTH OF EXISTING MAIN AND REPAIR ARE NOT KNOWN. CONTRACTOR SHALL POthOLE TO FIND MAIN AND SERVICE TAPS.
6. CONCRETE COLLAR AT CONNECTION TO EXISTING MAIN: 4 CF, BAG MIX ACCEPTABLE, CAN DRY-SET USING 2 BAGS UNDER PIPES, PLUS TWO AROUND.
7. ALL DEMOLISHED ITEMS AND EXCESS SOIL SHALL BE HAULED FROM THE SITE AND DISPOSED OF BY CONTRACTOR.
8. SEWAGE FLOWS AT THIS LOCATION ARE LOW, ESTIMATED AT 1,800 GALLONS PER DAY (7-8 RESIDENCES UPSTREAM OF CONNECTION POINT). CONTRACTOR SHALL DETERMINE METHOD OF FLOW HANDLING. CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING LEVELS AND AVOIDING BACK-UPS. USE OF SMALL PUMPS AND HOSES TO REACH DOWNSTREAM SEWER WILL BE ALLOWED. LOCAL SEWAGE/SEPTAGE HAULER: H&H SEPTIC, 816-587-4966
9. EXTENTS OF PAVEMENT REPLACEMENT AND RESTORATION DEPENDS ON CONTRACTOR. AREA SHALL BE SQUARED OFF AND ALL EDGES SAWCUT. SEE DETAILS.



1"=20'

Revisions	
No.	Description

N/AE
NORTH HILLS ENGINEERING, INC., northhillseng@gmail.com,
1825 Sunrise Dr. Smithville, MO 64089, (816) 935-2777

CL#2012038740



Jay E. Norco E-29748

CITY OF PARKVILLE, MO
8880 CLARK AVE. - PARKVILLE, MO 64152

SANITARY SEWER REPAIRS - 2022
PLAN - SEWER REPAIRS
IN WEST 4TH ST.

Design:	Drawn: JEN
Date:	4-17-23
Sheet:	4 of 22

NOTES:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. For sewer point repairs: For connections to existing pipes, use Fernco StrongBack RC 5000 couplings, plus concrete cradle, min 4 CF of concrete, bag mix is acceptable.
3. All disturbed earth and grassed areas shall be restored with seed and straw tacked in place, or by hydro-seeding.
4. Restore all paved areas per detail sheets.
5. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
6. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
7. Road closure: Will not be allowed for work on this Sheet.

NOTES:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. For sewer point repairs: For connections to existing pipes, use Fernco StrongBack RC 5000 couplings, plus concrete cradle, min 4 CF of concrete, bag mix is acceptable.
3. All disturbed earth and grassed areas shall be restored with seed and straw tacked in place, or by hydro-seeding.
4. Restore all paved areas per detail sheets.
5. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
6. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
7. Road closure: Will not be allowed for work on this Sheet.

Perform Sewer Point Repair Seg. G04-G03. Replace 0 - 15' U/S MH G03 using SDR26 PVC, grout into MH, Depth 7.4 feet to invert. Existing pipe is 8" ABS truss.

Existing sewer follows old earthen path.
Has become overgrown after 40 years.
5-foot contours shown.

Easement clearing: 951 LF. Clear 20' wide, grind or haul brush & wood. Grade cross slope as reqd. to allow equipment access. City will mark with tape / paint. Area is wooded with brush.

Use existing sewer easement for access.
Repair ruts, restore w/ seed & straw.

Raise MH G06 to grade using adjusting rings. See Table, Sht. 20.

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CL #2012038740



CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - SEWER REPAIRS - MELODY HEIGHTS

5 of 22

WORK ON THIS SHEET: Applies to unit prices for:

Easement Clearing & Grading
Manhole Grade Adjustment (Adjusting Rings)

NOTES:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. For sewer point repairs: For connections to existing pipes, use Fernco StrongBack RC 5000 couplings, plus concrete cradle, use min 4 CF of concrete, bag mix is acceptable.
3. All disturbed earth and grassed areas shall be restored with seed and straw tacked in place, or by hydro-seeding.
4. Restore all paved areas per detail sheets.
5. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
6. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
7. Road closure: Will not be allowed for work on this Sheet.

NOTE: Overhead telecom line parallels the san sewer between G52 and G54. Two options:
1. Clear to one side or the other and avoid the tcom line and poles, to avoid damage. (City owns entire parcel.) The path does not need to follow the sewer line exactly, but needs to provide a path to the manholes. --or--
2. Top-cut the trees to avoid damage to the overhead lines.



1 inch = 60 feet

Easement clearing: 672 LF. Clear 20' wide, grind or haul brush & wood. Grade cross slope as reqd. to allow equipment access. City will mark with tape / paint. Area is wooded with brush.

Existing sewer follows old earthen path. Has become overgrown after 40 years.

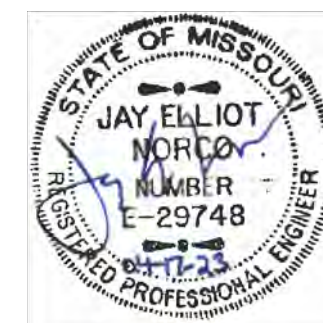
Raise MH G53 to grade using adjusting rings. See Table, Sht. 20.

Use existing path off Eastside Dr. for access. Is partially cleared.

Legend

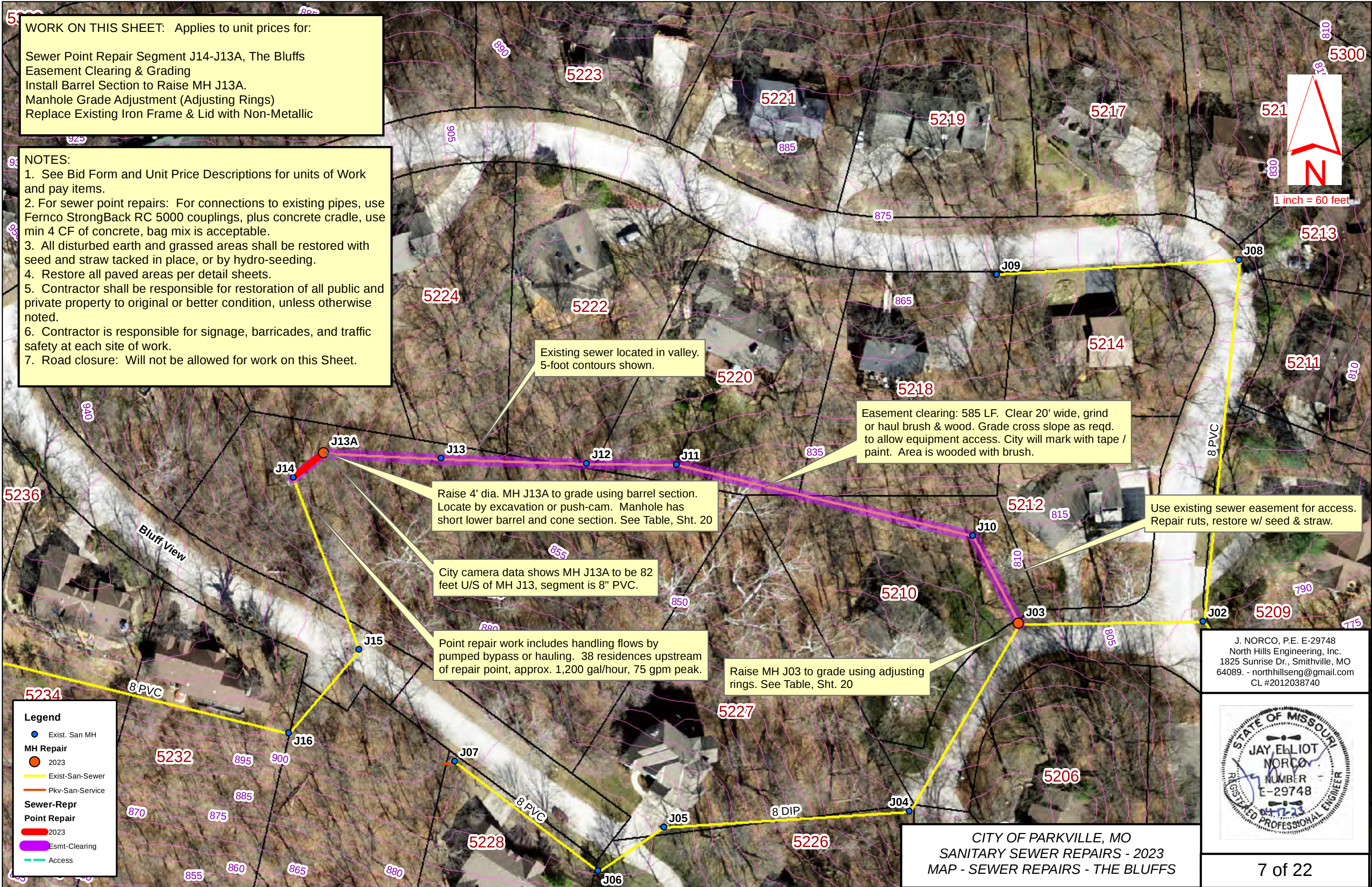
- Exist. San MH
- MH Repair**
- 2023
- Exist-San-Sewer
- Pkv-San-Service
- Sewer-Repr**
- Point Repair**
- 2023
- Esmt-Clearing
- Access

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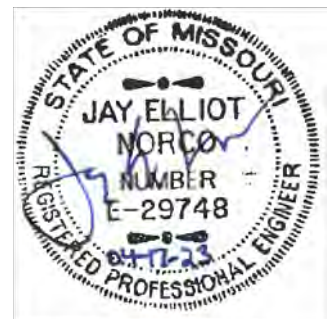


CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - SEWER REPAIRS - COUNTRY GARDENS

6 of 22



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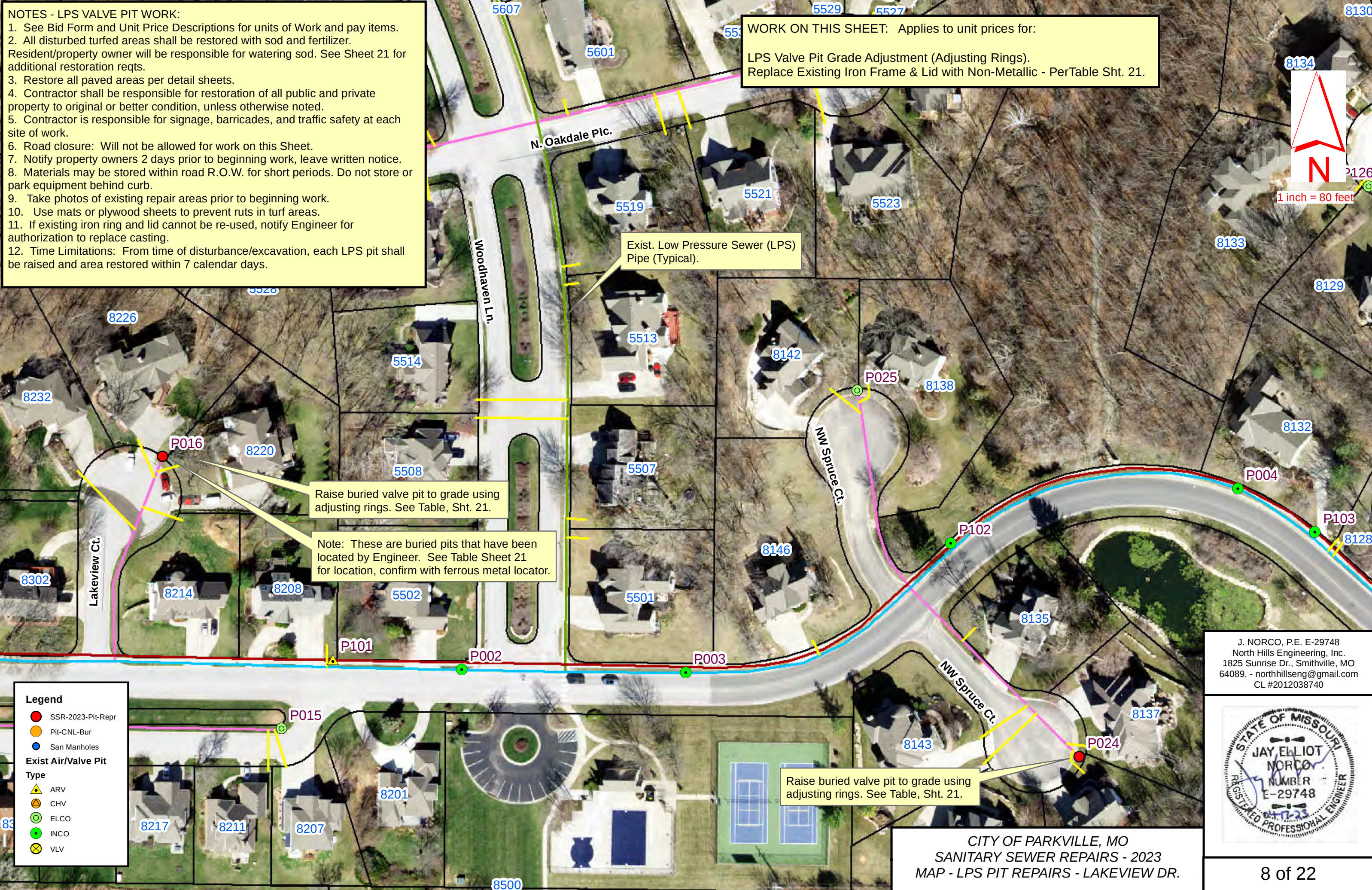
CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - SEWER REPAIRS - THE BLUFFS

NOTES - LPS VALVE PIT WORK:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
4. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
5. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
6. Road closure: Will not be allowed for work on this Sheet.
7. Notify property owners 2 days prior to beginning work, leave written notice.
8. Materials may be stored within road R.O.W. for short periods. Do not store or park equipment behind curb.
9. Take photos of existing repair areas prior to beginning work.
10. Use mats or plywood sheets to prevent ruts in turf areas.
11. If existing iron ring and lid cannot be re-used, notify Engineer for authorization to replace casting.
12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - PerTable Sht. 21.



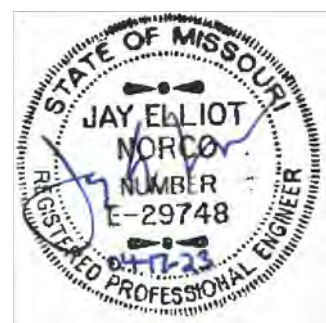
Legend

- SSR-2023-Pit-Repr
- Pit-CNL-Bur
- San Manholes

Exist Air/Valve Pit Type

- ARV
- CHV
- ELCO
- INCO
- VLV

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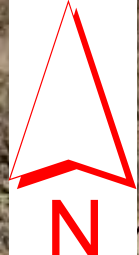


CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - LAKEVIEW DR.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - PerTable Sht. 21.

- NOTES - LPS VALVE PIT WORK:
- 1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
 - 2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
 - 3. Restore all paved areas per detail sheets.
 - 4. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
 - 5. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
 - 6. Road closure: Will not be allowed for work on this Sheet.
 - 7. Notify property owners 2 days prior to beginning work, leave written notice.
 - 8. Materials may be stored within road R.O.W. for short periods. Do not store or park equipment behind curb.
 - 9. Take photos of existing repair areas prior to beginning work.
 - 10. Use mats or plywood sheets to prevent ruts in turf areas.
 - 11. If existing iron ring and lid cannot be re-used, notify Engineer for authorization to replace casting.
 - 12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.



1 inch = 80 feet

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Legend

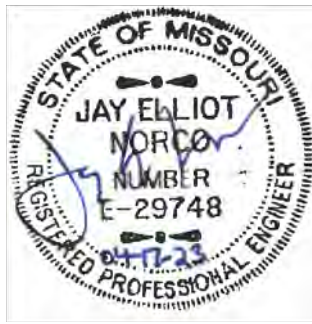
- SSR-2023-Pit-Repr
- Pit-CNL-Bur
- San Manholes

Exist Air/Valve Pit

Type

- ARV
- CHV
- ELCO
- INCO
- VLV

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - COVE VIEW CT.

NOTES - LPS VALVE PIT WORK:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
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12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - PerTable Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

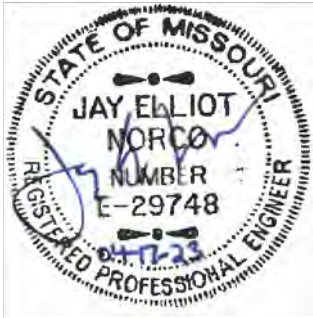
Legend

- SSR-2023-Pit-Repr
- Pit-CNL-Bur
- San Manholes

Exist Air/Valve Pit Type

- ARV
- CHV
- ELCO
- INCO
- VLV

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - SPINNAKER PTE.

NOTES - LPS VALVE PIT WORK:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
4. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
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7. Notify property owners 2 days prior to beginning work, leave written notice.
8. Materials may be stored within road R.O.W. for short periods. Do not store or park equipment behind curb.
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12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

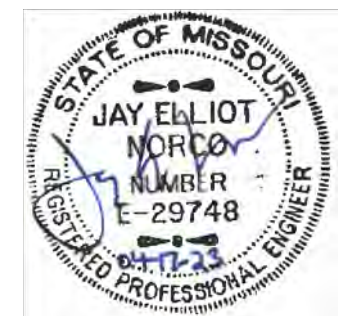
Exist. Low Pressure Sewer (LPS) Pipe (Typical).

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Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - SLEEPY HOLLOW DR.

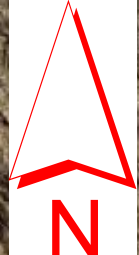
11 of 22

NOTES - LPS VALVE PIT WORK:

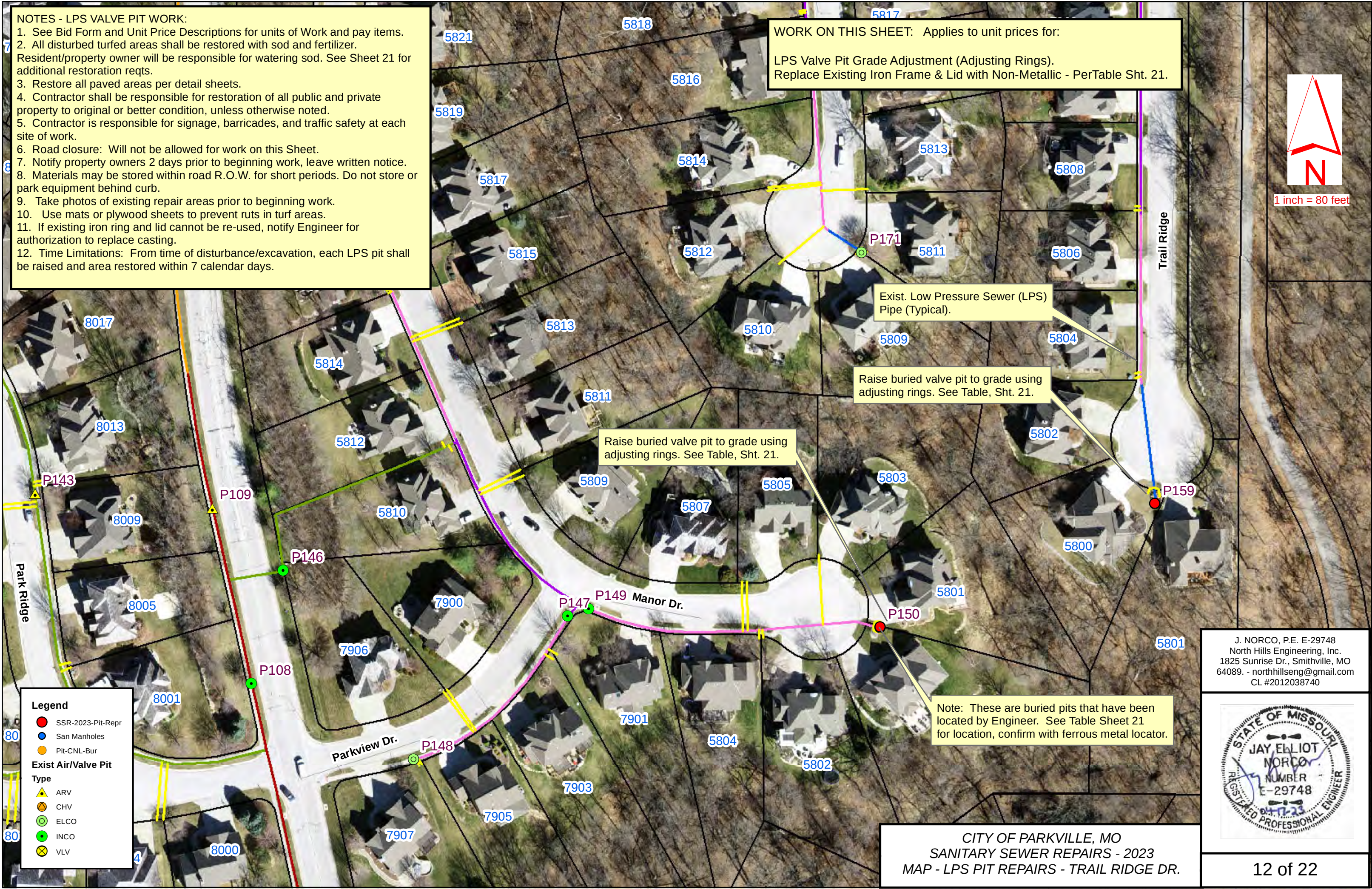
1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
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WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - PerTable Sht. 21.



1 inch = 80 feet



Legend

- SSR-2023-Pit-Repr
- San Manholes
- Pit-CNL-Bur
- Exist Air/Valve Pit
- Type
 - ARV
 - CHV
 - ELCO
 - INCO
 - VLV

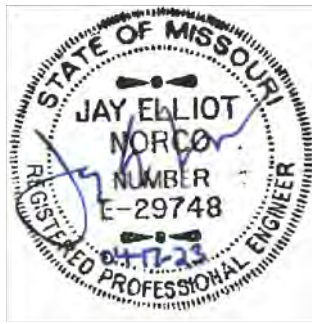
Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

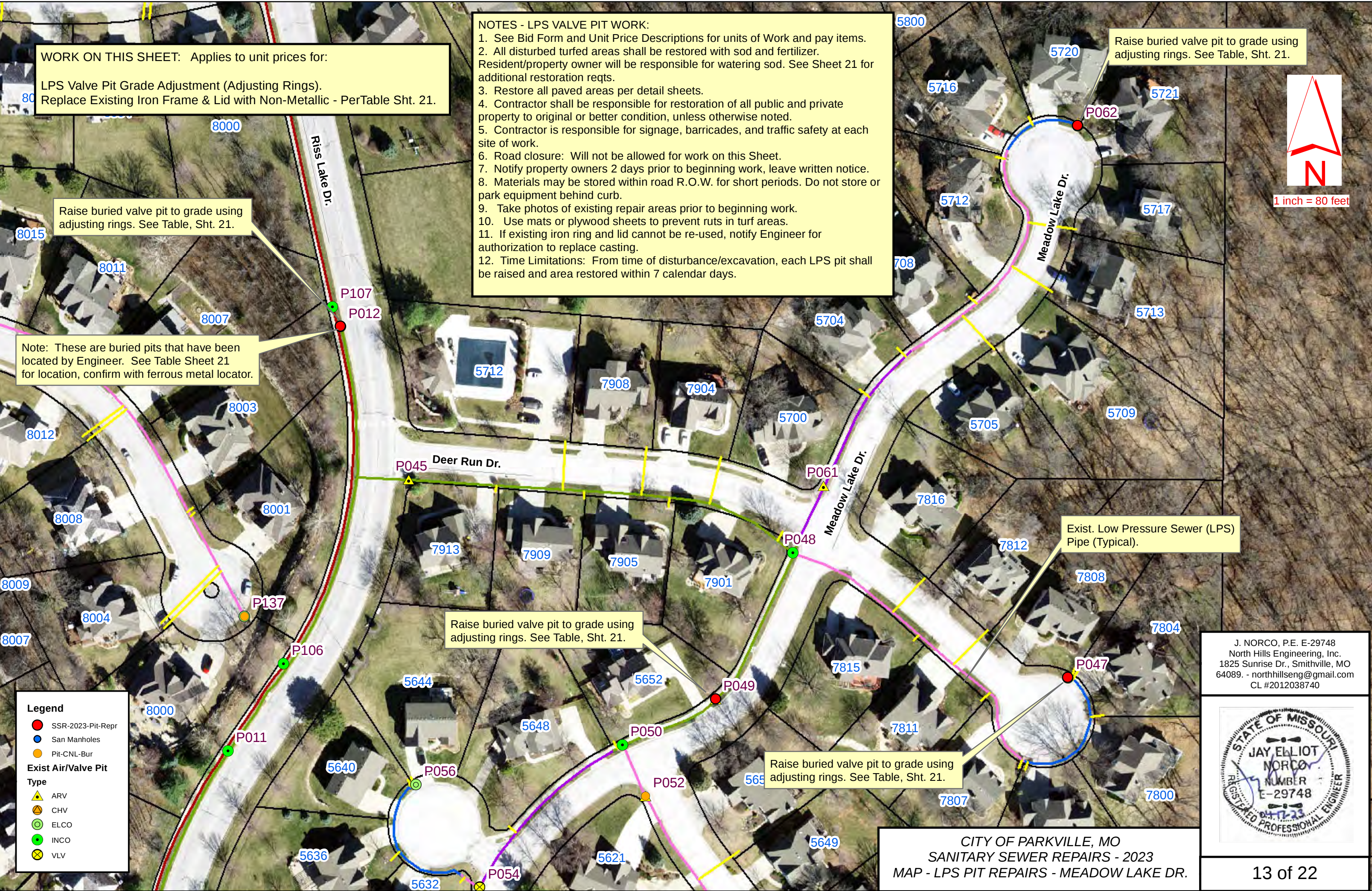
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

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CL #2012038740



CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - TRAIL RIDGE DR.



WORK ON THIS SHEET: Applies to unit prices for:
LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - PerTable Sht. 21.

- NOTES - LPS VALVE PIT WORK:
1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
 2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
 3. Restore all paved areas per detail sheets.
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 10. Use mats or plywood sheets to prevent ruts in turf areas.
 11. If existing iron ring and lid cannot be re-used, notify Engineer for authorization to replace casting.
 12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Legend

- SSR-2023-Pit-Repr
- San Manholes
- Pit-CNL-Bur
- Exist Air/Valve Pit**
- Type
 - ARV
 - CHV
 - ELCO
 - INCO
 - VLV

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64089. - northhillseng@gmail.com
CL #2012038740

STATE OF MISSOURI
JAY ELLIOT NORCO
REGISTERED PROFESSIONAL ENGINEER
NUMBER E-29748
04-17-23

CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - MEADOW LAKE DR.

- NOTES - LPS VALVE PIT WORK:
1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
 2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
 3. Restore all paved areas per detail sheets.
 4. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
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 12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Legend

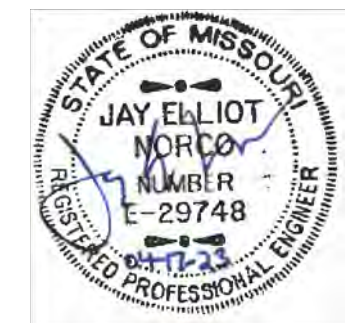
- SSR-2023-Pit-Repr
- San Manholes
- Pit-CNL-Bur

Exist Air/Valve Pit

Type

- ARV
- CHV
- ELCO
- INCO
- VLV

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CL #2012038740



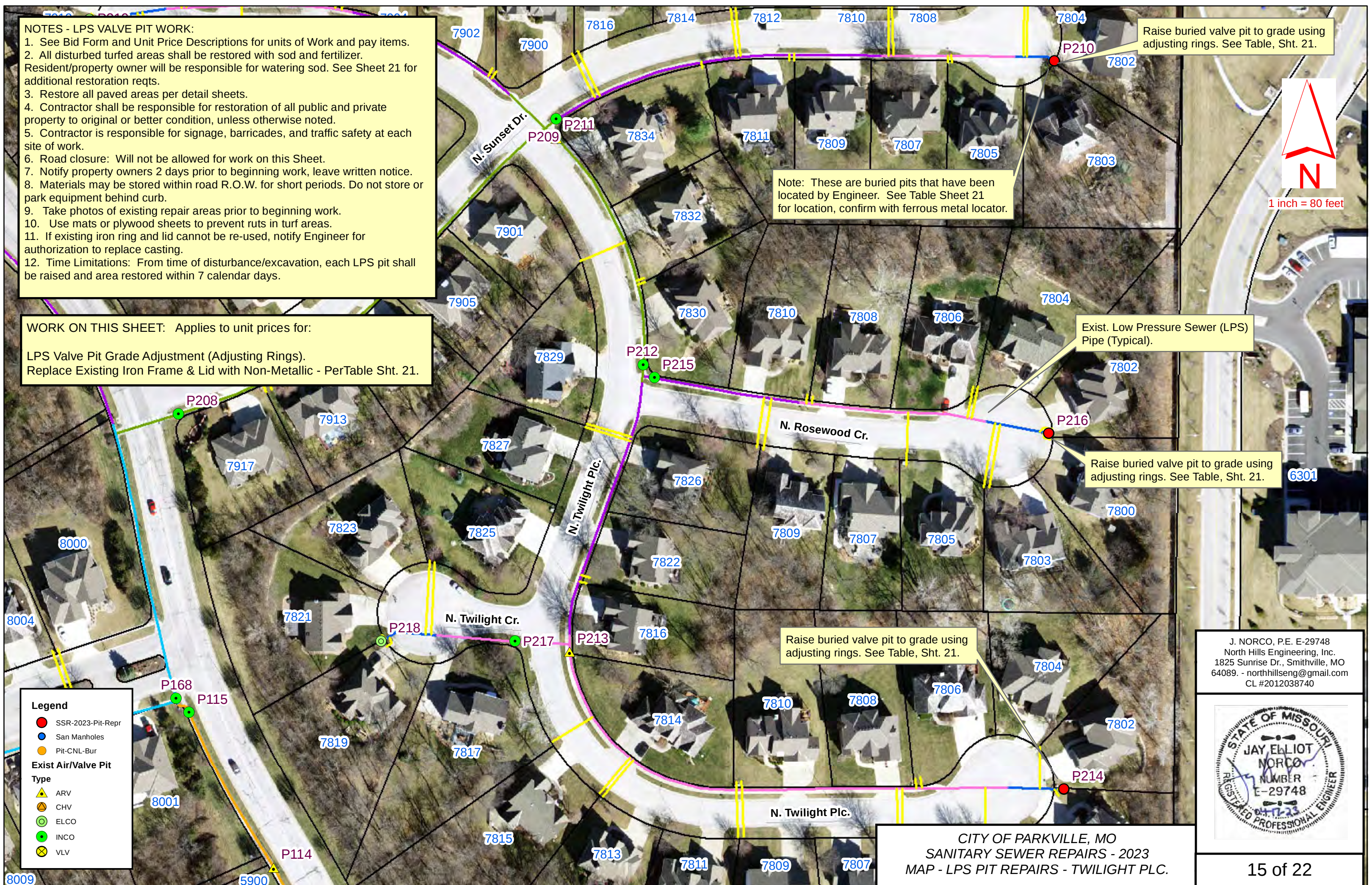
CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - TIMBERRIDGE DR.

NOTES - LPS VALVE PIT WORK:

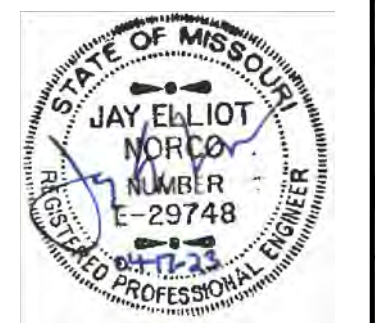
1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
4. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
5. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
6. Road closure: Will not be allowed for work on this Sheet.
7. Notify property owners 2 days prior to beginning work, leave written notice.
8. Materials may be stored within road R.O.W. for short periods. Do not store or park equipment behind curb.
9. Take photos of existing repair areas prior to beginning work.
10. Use mats or plywood sheets to prevent ruts in turf areas.
11. If existing iron ring and lid cannot be re-used, notify Engineer for authorization to replace casting.
12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.



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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - TWILIGHT PLC.

NOTES - LPS VALVE PIT WORK:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
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WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.

Legend	
●	SSR-2023-Pit-Repr
●	San Manholes
●	Pit-CNL-Bur
Exist Air/Valve Pit	
Type	
▲	ARV
▲	CHV
●	ELCO
●	INCO
●	VLV

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

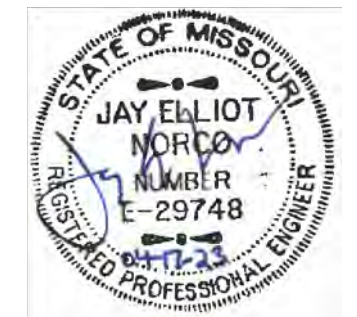
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - TIMBERCREST PLC.

16 of 22

NOTES - LPS VALVE PIT WORK:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
4. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
5. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
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9. Take photos of existing repair areas prior to beginning work.
10. Use mats or plywood sheets to prevent ruts in turf areas.
11. If existing iron ring and lid cannot be re-used, notify Engineer for authorization to replace casting.
12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.

Legend

- SSR-2023-Pit-Repr
- San Manholes
- Pit-CNL-Bur
- Exist Air/Valve Pit
- Type
 - ARV
 - CHV
 - ELCO
 - INCO
 - VLV

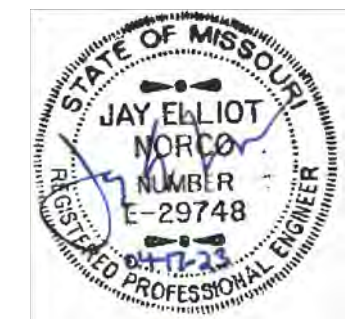
Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - SOUTHLAKE DR.

17 of 22

NOTES - LPS VALVE PIT WORK:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
4. Contractor shall be responsible for restoration of all public and private property to original or better condition, unless otherwise noted.
5. Contractor is responsible for signage, barricades, and traffic safety at each site of work.
6. Road closure: Will not be allowed for work on this Sheet.
7. Notify property owners 2 days prior to beginning work, leave written notice.
8. Materials may be stored within road R.O.W. for short periods. Do not store or park equipment behind curb.
9. Take photos of existing repair areas prior to beginning work.
10. Use mats or plywood sheets to prevent ruts in turf areas.
11. If existing iron ring and lid cannot be re-used, notify Engineer for authorization to replace casting.
12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Westlake Dr.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

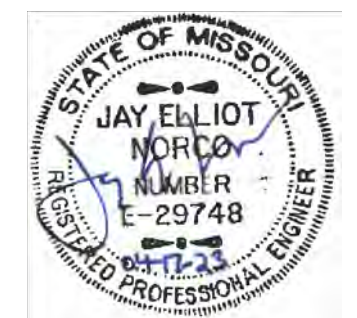
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

Legend	
●	SSR-2023-Pit-Repr
●	San Manholes
●	Pit-CNL-Bur
Exist Air/Valve Pit	
Type	
▲	ARV
▲	CHV
●	ELCO
●	INCO
●	VLV

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - WEST SHORE EST.

18 of 22

NOTES - LPS VALVE PIT WORK:

1. See Bid Form and Unit Price Descriptions for units of Work and pay items.
2. All disturbed turfed areas shall be restored with sod and fertilizer. Resident/property owner will be responsible for watering sod. See Sheet 21 for additional restoration reqts.
3. Restore all paved areas per detail sheets.
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11. If existing iron ring and lid cannot be re-used, notify Engineer for authorization to replace casting.
12. Time Limitations: From time of disturbance/excavation, each LPS pit shall be raised and area restored within 7 calendar days.

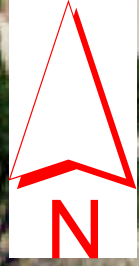
WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.

Note: These are buried pits that have been located by Engineer. See Table Sheet 21 for location, confirm with ferrous metal locator.

Exist. Low Pressure Sewer (LPS) Pipe (Typical).

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.



1 inch = 30 feet

Legend

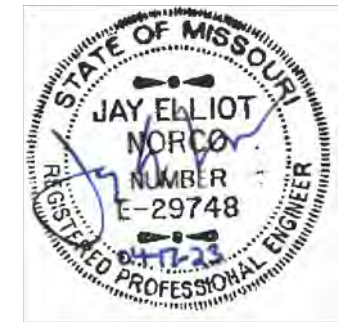
- SSR-2023-Pit-Repr (Red circle)
- San Manholes (Blue circle)
- Pit-CNL-Bur (Orange circle)

Exist Air/Valve Pit

Type

- ARV (Yellow triangle)
- CHV (Orange triangle)
- ELCO (Green circle)
- INCO (Green circle)
- VLV (Yellow circle)

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2023
MAP - LPS PIT REPAIRS - JULIAN DR.

TABLE 3:

LPS VALVE PIT GRADE ADJUSTMENT & CASTING REPLACEMENT

- Notes: 1. Applies to Unit Price for: LPS Valve Pit Grade Adjustment.
2. If noted "YES" in table, separate adder unit price applies for replacement of casting with non-metallic.
3. Notify Engineer if existing casting is heavily corroded, or cannot be re-used, for direction to replace.
4. These pits are 4' dia manholes with 24-inch iron lids, have been located by City Engineer, see location measurements below, also maps.
5. DO NOT change the height of raising without approval of Engineer. The intent is the leave the casting above adjacent grade.
6. Work includes: notifications, locating pit, excavation, adjusting grade, new casting if noted, backfill, restoration, etc. See Description of Unit Prices.

Note:
b/c = Back of Curb
DW = Driveway

TYPE =
INCO = In-line cleanout
ELCO = End-of -Line cleanout
ARV = Air Valve

PIT NO.	LOCATION	NOTIFICATION ADDRESS(ES) - <i>USE CITY FLYER</i>	TYPE	METHOD	INCHES RAISE (net)	REPLACE CASTING	OTHER WORK	SURFACE RESTORATION	NOTES:
P012	2 'b/c, 10' S. of pit P107, W. side Riss Lake Dr., 115' N. of Deer Run Dr.	N/A	INCO	Adj. rings.	Raise 6"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P016	5' b/c, 8' E of DW #8226 Lake View Ct.	8226 Lake View Ct.	ELCO	Adj. rings.	Raise 8"			Restore with sod, starter fertilizer.	
P017	4' b/c, 11' E of DW #5538 N. Oakdale Plc.	5538 Oakdale Plc., 5602 N. Woodhaven Ln.	ELCO	Adj. rings.	Raise 6"			Restore with sod, starter fertilizer.	
P020	4' b/c, 12' S. of DW #5629 Cove View Ct.	5929 Cove View Ct.	ELCO	Adj. rings.	Raise 4"			Restore with sod, starter fertilizer.	
P024	5' b/c, SW front Lot corner #8137 Spruce Ct.	8137 & 8139 Spruce Ct.	ELCO	Adj. rings.	Raise 4"			Restore with sod, starter fertilizer.	
P033	3' b/c, 57' west of b/c of Sleepy Hollow, N. side of Quail Ridge	5500 Sleepy Hollow Dr.	ARV	Adj. rings.	Raise 8"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P038	2' b/c 4' E. of DW #5401 Sleepy Hollow Dr.	5401 & 5405 Sleepy Hollow Dr.	ELCO	Adj. rings.	Raise 4"			Restore with sod, starter fertilizer.	
P047	2' b/c, 4' W. of Dw #7804 Deer Run. Dr.	7804 & 7808 Deer Run Dr.	ELCO	Adj. rings.	Raise 4"			Restore with sod, starter fertilizer.	
P049	3' b/c, 15' N. of DW #5652 Meadow Lake Dr.	5652 Meadow Lake Dr.	ARV	Adj. rings.	Raise 4"			Restore with sod, starter fertilizer.	
P059	12' W. of DW #5620 S. Meadow Ct., 3' b/c.	5616 & 5620 S. Meadow Ct.	ELCO	Adj. rings.	Raise 6"			Restore with sod, starter fertilizer.	
P062	N. end of Meadow Lake Dr. cul-de-sac, 20' W. of DW #5721, 2' behind curb inlet.	5720 & 5721 Meadow Lake Dr.	ELCO	Adj. rings.	Raise 6"			Restore with sod, starter fertilizer.	
P117	10' B/C, W. side Riss Lake Dr., 25' N. of Timbercrest Plc.	8000 Timbercrest Plc.	ELCO	Adj. rings.	Raise 10"	YES		Grade dirt only, ground cover will grow around.	Raise is net, w/ new casting
P128	14' b/c, between DW's #5637 & #5641 Cedar Ct.	5637 & 5641 Cedar Ct.	INCO	Adj. rings.	Raise 4"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P133	4'b/c, 15' W. of DW #5753 Hickory Ct.	5753 & 5757 Hickory Ct.	ELCO	Adj. rings.	Raise 6"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P150	21' b/c, 3' S of DW #5801 Manor Dr.	5800 & 5801 Manor Dr.	ELCO	Adj. rings.	Raise 6"			Restore with sod, starter fertilizer.	
P159	20' b/c, 5' W. of DW #5801 Trail Ridge Dr.	5800 & 5801 Trail Ridge Dr.	ELCO	Adj. rings.	Raise 8"			Restore with sod, starter fertilizer.	
P161	18' b/c, 3' W. of DW #5908 Woodfield Ct.	5906 & 5908 Woodfield Ct.	ELCO	Adj. rings.	Raise 6"			Restore with sod, starter fertilizer.	
P172	8' b/c, 9' S of street sign post, SW corner Timbercrest Plc. & Timbercrest Way	8011 Timbercrest Plc.	INCO	Adj. rings.	Raise 10"	YES		Spread 1 cy of dark brown bark mulch to match existing.	Verify mulch color match before placing. Raise is net.
P174	8' b/c, 12' E. of private sidewalk, SW corner of Timbercrest Plc. & Timbercrest Way.	8011 Timbercrest Plc.	INCO	Adj. rings.	Raise 12"	YES		Spread 1 cy of dark brown bark mulch to match existing.	Verify mulch color match before placing. Raise is net.
P189	7' b/c, SW lot corner #8105 Clearwater Dr., just W. of sidewalk.	8105 Clearwater Dr., 6155 Timber Ridge Ct.	INCO	Adj. rings.	Raise 8"			Restore with sod, starter fertilizer.	
P192	30' S. of DW #6115 Timberridge Ct., 25' b/c, between service valve boxes.	6115 Timber Ridge Ct.	ELCO	Adj. rings.	Raise 6"			Restore with sod, starter fertilizer.	
P196	10' b/c, 3' N of DW #6079 Southlake Dr.	6079 Southlake Dr.	INCO	Adj. rings.	Raise 6"			Restore with sod, starter fertilizer.	
P197	7' b/c, 11' N. of DW #6049 Southlake Dr.	6049 Southlake Dr.	INCO	Adj. rings.	Raise 4"			Restore with sod, starter fertilizer.	
P202	7' b/c, 2' N. of DW #6220 Northlake Dr.	6220 Northlake Dr.	INCO	Adj. rings.	Raise 8"			Restore with sod, starter fertilizer.	
P210	18' b/c, 6' S. of DW #7802 Sunset Dr.	7802 & 7803 Sunset Dr.	ELCO	Adj. rings.	Raise 10"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P214	18' b/c, 12' NE of DW #7800 N. Twilight Plc.	7800 & 7802 N. Twilight Plc..	ELCO	Adj. rings.	Raise 12"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P216	19' b/c 3' N. of DW #7800 N. Rosewood Circle	7800 & 7802 N. Rosewood Circle	ELCO	Adj. rings.	Raise 12"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P307	3' b/c, 39' N. of N. DW to #5909 Julian Dr.	5909 Jullian Dr.	INCO	Adj. rings.	Raise 5"			Restore with sod, starter fertilizer.	
P320	7' b/c, 8' W. of Elec Xfmr, 100' N of DW #6215 Julian Dr.	6215 Julian Dr.	ARV	Adj. rings.	Raise 12"	YES	Demo 8" pine tree over lid, haul off.	Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P324	3' b/c, 12' NW of DW #8250 Shoreline Dr.	8250 & 8270 Shoreline Dr.	INCO	Adj. rings.	Raise 12"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P327	4' b/c, 9' W. of DW #8215 Westlake Dr.	8215 Westlake Dr.	ARV	Adj. rings.	Raise 10"	YES		Restore with sod, starter fertilizer.	Raise is net, w/ new casting
P330	4' b/c, 13' NE of street sign, NE corner Shoreline Dr. & Edgewater Dr.	6265 Edgewater Dr.	INCO	Adj. rings.	Raise 8"			Restore with sod, starter fertilizer.	
P331	4' b/c, 13' N. of DW #6275 Edgewater Dr.	6275 Edgewater Dr.	ARV	Adj. rings.	Raise 4"			Restore with sod, starter fertilizer.	

Revisions											
No.	Description										
	Date										



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1825 Sunrise Dr. Smithville, MO 64089, (816) 935-2777

CL#2012038740



Jay E. Norco E-29748

CITY OF PARKVILLE, MO
8880 CLARK AVE. - PARKVILLE, MO 64152

SANITARY SEWER REPAIRS - 2023
TABLES- LPS VALVE PIT
GRADE ADJUSTMENTS

Design:

Drawn:
JEN

Date:

4-17-23

Sheet:

21 of 22

1. ASPHALT CONCRETE MIX SHALL CONFORM TO APWA SECTION 02200, TYPE 4-01.
2. USE WELL GRADED, PACK-ABLE GRANULAR BACKFILL MATERIAL. AB3 WILL BE ACCEPTABLE FOR GRANULAR BACKFILL.
3. NOTIFY CITY INSPECTOR IN ADVANCE OF CONCRETE POURS AND ASPHALT PAVING OPERATIONS.
4. FLOWABLE FILL SHALL BE "CLSM TYPE B", AS SET FORTH IN SECTION 02602.2.H OF THE KC METRO APWA SPECIFICATIONS.
5. IF GRANULAR MATERIAL IS USED FOR TRENCH BACKFILL, CONTRACTOR SHALL PROVIDE THE SERVICES OF AND INDEPENDENT TESTING LABORATORY TO PERFORM ASTM D698 PROCTOR TESTS (IF NO ESTABLISHED PROCTOR DATA AVAILABLE), AND TWO (2) NUCLEAR DENSITY TESTS ON THE COMPACTED FILL, IN EACH LOCATION.
6. CONCRETE FOR CAP SHALL BE 3,500 PSI MIX, 4-INCH SLUMP, AIR ENTRAINED, MCIB MIX WA492-3/4-4.0-518.
7. PROVIDE CONCRETE TESTING SERVICES: FOR EACH LOAD OVER 2 CY: SLUMP & AIR CONTENT, SET OF TWO CYLINDERS.



SCALE 3/8" = 1'-0"
(APPLIES TO SEWER MANHOLES AND RISS LAKE LPS VALVE PITS)

NHE
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SANITARY SEWER REPAIRS – 2023 MISCELLANEOUS DETAILS

Design:	Drawn: JEN
Date:	4-17-23
Sheet:	22 of 22

Division	Type	New or Replace	Name	Project Description	Funding Source	2022 Roll-Over	2023 Budget	Q1 Spent	2023 Funds Remaining	Status / Projected Quarter	Comments
Admin/IT	Equipment	Replacement	Computer Replacement Cycle	Continue cycle to replace 25% of office computers each year in order to maintain a four-year replacement cycle for software, hardware, operating systems, and warranties	100% General Fund	\$ -	\$ 8,750	\$ -	\$ 8,750	ONGOING	
Admin/IT	Software	New	Records Management Software	Electronic storage software for City's electronic records (not email) to allow for enhanced search capabilities.	100% General Fund	\$ -	\$ 15,000	\$ -	\$ 15,000	IN PROCESS	
Admin	Project	Replacement	City Hall Building Repairs	Repairs to City Hall	100% General Fund	\$ 25,883	\$ -	\$ -	\$ 25,883	Rollover from 2022	
Admin	Project	Replacement	City Hall External Security	Install external security measure on City Hall	100% General Fund	\$ 7,500	\$ -	\$ -	\$ 7,500	Rollover from 2022	
Admin	Project	Replacement	Security System	Security system upgrade	100% General Fund	\$ 11,041	\$ -	\$ -	\$ 11,041	Rollover from 2022	
TOTAL ADMIN/IT/Court						\$ 44,424	\$ 23,750	\$ -	\$ 68,174		
CD	Project	New	Architectural Design Standards	The City's Title IV – Development Code (Chapter 403 Applications & Procedures processes) requires major site plans, minor site plans, preliminary development plans and final development plans to meet development and design standards of the code.	100% General Fund	\$ -	\$ 40,000	\$ -	\$ 40,000		City issued our RFQ on April 3rd with a submittal deadline of May 12th.
CD	Project	New	ADA Transition Plan	The Parkville ADA Transition Plan is a Mid-America Regional Council (MARC) 2023 Planning Sustainable Places (PSP) project that involves the creation of a citywide ADA transition plan to ensure all individuals with disabilities have reasonable access to public accomodations via the citywide transportation system.	100% General Fund	\$ -	\$ 5,000	\$ -	\$ 5,000		Consultant interviews completed and consultant team from ACTServices selected.
CD	Project	New	Housing Density Study	The Parkville Housing Study is a housing inventory & future growth analysis to identify the community's current housing needs.	100% General Fund	\$ -	\$ 5,000		\$ 5,000	CANCELLED	This project was a planned joint effort between the City and PACE, with the majority of costs covered via an Evergy grant-matching funding opportunity; however, Evergy is no longer able to provide said funding.
TOTAL COMMUNITY DEVELOPMENT						\$ -	\$ 50,000	\$ -	\$ 50,000		
Police	Equipment	Replacement	Patrol Vehicle	Purchase one AWD Police Vehicle including emergency equipment, video, radio, etc.	100% General Fund	\$ 42,130	\$ 47,870	\$ 58,744	\$ 31,256	IN PROCESS	
Police	Equipment	Replacement	In-Car Video Systems	Replace existing in-car video system with updated system. Will be on a five-year maintenance cycle to match warranty pending wear and tear.	100% General Fund	\$ -	\$ 4,303	\$ -	\$ 4,303		
Police	Project	New	Police Co-Location Planning	Design/engineering of a Police Annex location vs. Lease of multi-use space	100% General Fund	\$ -	\$ 30,000	\$ -	\$ 30,000	Rollover from 2022	On-Call Architect/Designer - Clark/Enerson

Police	Project	New	Park Cameras	Install four new cameras in the park	100% General Fund	\$ 9,500	\$ 5,500	\$ -	\$ 15,000	Rollover from 2022	
Police	Equipment	Replacement	Holding Cell Toilet	Replace toilet in holding cell	100% General Fund	\$ 10,000	\$ -	\$ -	\$ 10,000	Rollover from 2021	
TOTAL POLICE						\$ 61,630	\$ 87,673	\$ 58,744	\$ 90,559		
PW	Project	New	Thousand Oaks Tornado Siren	Install new tornado siren in Thousand Oaks	100% General Fund	\$ -	\$ 26,000	\$ 1,750	\$ 4,410	ONGOING	
PW	Project	New	Public Parking Lot Lease/Purchase	Lease/purchase payment for a public parking lot. The lease/payment will continue until 2043 (25 years from 2018 = \$551,025), for the use of the public parking lot for 99 years.	100% General Fund	\$ -	\$ 22,041	\$ -	\$ 22,041		
TOTAL PW						\$ -	\$ 48,041	\$ 1,750	\$ 46,291		
TOTAL GENERAL FUND						\$ 106,054	\$ 209,464	\$ 60,494	\$ 255,024		
Sewer	Equipment	Replacement	CCTV	Program to clean and televise a portion of the 15,000 feet per year of the City's sewers.	Sewer Fund	\$ -	\$ 62,700	\$ -	\$ 62,700	ONGOING	
Sewer	Equipment	Replacement	Pinecrest Pump Station	Pinecrese Wiring Replacement	Sewer Fund	\$ -	\$ 6,500	\$ -	\$ 6,500		
Sewer	Equipment	Replacement	45 HWY Pump Station	45HWY Pump Rebuild	Sewer Fund	\$ -	\$ 7,500	\$ -	\$ 7,500		
Sewer	Equipment	Replacement	RAS Pump VFD Replacement	Replace VFD for RAS Pump at WWTP	Sewer Fund	\$ -	\$ 7,500	\$ -	\$ 7,500	OPEN	
Sewer	Equipment	Replacement	Clarifier Drives Replacement	Purchase 2 replacement hydraulic clarifier drives	Sewer Fund	\$ -	\$ 27,500	\$ 24,990	\$ 2,510	COMPLETE	
Sewer	Equipment	Replacement	Clarifier Drive Installation	Install 2 replacement hydrauliz clarifier drives	Sewer Fund	\$ -	\$ 18,000	\$ -	\$ 18,000		
Sewer	Equipment	Replacement	Clarifier Drive T-Valve Replacement	Replace Leaking Telescoping valve inside of RAS pump well - west clarifier	Sewer Fund	\$ -	\$ 21,000	\$ -	\$ 21,000		
Sewer	Equipment	Replacement	UV Bulbs & Sleeves	Replace UV Bulbs, sleeves, ballasts	Sewer Fund	\$ -	\$ 17,000	\$ 8,399	\$ 8,601	ONGOING	
Sewer	Equipment	Replacement	Riss Lake Low-Pressure System (LPS) Repairs	Proactive repairs to valves, clean out, and pits/vaults maintenance	Sewer Fund	\$ -	\$ 20,000	\$ -	\$ 20,000	BIDDING	
Sewer	Equipment	Replacement	Easement Clearing - Melody Ln & Country Gardens	Clearing trees and grading improvements ot restore access to sewer lines	Sewer Fund	\$ -	\$ 29,000	\$ -	\$ 29,000		
Sewer	Project	Replacement	Mini-Camera	Small CCTV camera for small segment of pipe review	Sewer Fund	\$ -	\$ 16,000	\$ 14,461	\$ 1,539	OPEN	
Sewer	Project	Replacement	Odor Control Fence	Replace fencing that surrounds bioxide injection system off of Riss Lake Dr.	Sewer Fund	\$ -	\$ 20,000	\$ 6,557	\$ 13,443	ONGOING	
Sewer	Project	Replacement	System Renewal Plan	Engineering study to analyze asset classes, project costs and plan for renewal of the entire sewer system - for the next 10 years	Sewer Fund	\$ -	\$ 19,000	\$ -	\$ 19,000		
Sewer	Project	New	System Valuation Analysis	Professional Services Agreement / Overhead allocation review, analysis, and rate study	Sewer Fund	\$ -	\$ 50,000	\$ -	\$ 50,000		
Sewer	Equipment	Replacement	Mixer	Replacement of one submersible propeller mixer in Aeration Basin tank.	100% Sewer Fund	\$ 13,000		\$ -	\$ 13,000	OPEN	
Sewer	Equipment	Replacement	Aeration Blower	Reconstruction of 12-year-old Aeration Blower.	100% Sewer Fund	\$ -	\$ 15,000	\$ -	\$ 15,000	OPEN	

Sewer	Equipment	Replacement	Aeration Basin Diffusers	Replace membrane disc air diffusers in aeration tank.	100% Sewer Fund	\$ -	\$ 42,000	\$ -	\$ 42,000		
Sewer	Equipment	Replacement	Clarifier Drive	Rebuild two clarifier drives at WWTP. Includes new valves and fittings.	100% Sewer Fund	\$ 17,000		\$ -	\$ 17,000	Rollover from 2022	
Sewer	Equipment	Replacement	Sludge Buggy	Replace used trailer used to land-apply liquid sludge.	100% Sewer Fund	\$ 10,000		\$ -	\$ 10,000	Rollover from 2022	
Sewer	Equipment	New	Ongoing Sanitary Sewer Repairs	Periodic projects to rebuild sewer pipes, using the CIP process.	100% Sewer Fund	\$ -	\$ 250,000	\$ -	\$ 250,000		
Sewer	Equipment	New	SCADA	Rebuild hardware, re-program new computer system and training for SCADA system.	100% Sewer Fund	\$ -	\$ 58,000	\$ -	\$ 58,000		
TOTAL SEWER						\$ 40,000	\$ 686,700	\$ 54,407	\$ 672,293		
Transportation	Equipment	New	Dump Truck	Purchase new truck and snowplowing equipment for Streets .	100% Transportation Fund	\$ 70,000	\$ 95,000	\$ -	\$ 95,000	OPEN	Truck deferred to 2023. Purchase of equipment in 2022.
Transportation	Equipment	New	Snow Box Attachment	New Snow box attachment for plowing parking lots and small spaces	100% Transportation Fund	\$ -	\$ 5,000		\$ 5,000		
Transportation	Maintenance	New	2" Asphalt Mill and Overlay	Contractor to mill and overlay existing asphalt streets in the City that have become deteriorated.	100% Transportation Fund	\$ -	\$ 350,000	\$ -	\$ 350,000	OPEN	
Transportation	Maintenance	New	Curb & Sidewalk Repair	Repair defective sections of curb and sidewalk due to general deterioration.	100% Transportation Fund	\$ -	\$ 100,000	\$ -	\$ 100,000	OPEN	
Transportation	Maintenance	New	Crack Sealing	Crack sealing of existing street in the City. Includes rental of crack sealing machine and crack seal material.	100% Transportation Fund	\$ -	\$ 15,000	\$ -	\$ 15,000		May purchase crack seal machine instead of rent.
Transportation	Maintenance	New	Street Striping	Needed to re-paint areas on the pavement such as centerlines and stop bars for traffic safety.	100% Transportation Fund	\$ -	\$ 20,000	\$ -	\$ 20,000		
TOTAL TRANSPORTATION						\$ 70,000	\$ 585,000	\$ -	\$ 585,000		
Parks Sales Tax	Project	Replacement	Watkins Park Improvements	Construct shelter, parking and playground in Watkins Park.	60% Parks Sales Tax 40% Outreach Grant	\$ 20,000	\$ -	\$ -	\$ 12,200	Completed Q2	\$7,800 rolled over into 2023 - for trail improvements
Parks Sales Tax	Project	Replacement	Streambank Stabilization near Watkins Park	Improve scour occuring along the streambank bordering Watkins Park.	60% Parks Sales Tax 40% Stormwater Grant	\$ 42,000	\$ -	\$ -	\$ 42,000	Completed 2022 Q4	Completed 2022
Parks Sales Tax	Project	New	Wetland Educational Area	Outdoor classroom space and kiosks for wetland education.	100% Parks Sales Tax	\$ 15,000	\$ -	\$ -	\$ 15,000	ON HOLD	On hold while we focus on the Wetland restoration project
Parks Sales Tax	Equipment	New	JD 6-Series Tractor	Parks Tractor Lease. 5 years, starting in 2022. Ends in 2027 = \$49,000	100% Parks Sales Tax	\$ 7,000	\$ -		\$ 7,000	ONGOING	5 Years, started in 2022
Parks Sales Tax	Equipment	New	Zero Turn Mower	Purchase of mower for Parks.	100% Parks Sales Tax	\$ 18,500	\$ -	\$ -	\$ 18,500	Completed 2022 Q4	Completed 2022
Parks Sales Tax	Project	Replacement	Entry Signs for PLP/ELP	The design and purchase of new entry signs to English Landing and Platte Landing Parks, including wayfinding signs within the parks.	100% Parks Sales Tax	\$ 100,000	\$ -	\$ -	\$ 100,000	ON HOLD	On hold until Farmers Market Project is complete
Parks Sales Tax	Equipment	New	Bike Racks and Service Areas	Purchase and installational of bike repair station and bike racks in Parkville.	100% Parks Sales Tax	\$ 5,000	\$ -	\$ -	\$ 5,000	ON HOLD	Seeking grant funding to add additional bike racks and bike fix-it stations.

Parks Sales Tax	Project	New	Brush Clearing along Rt 9 / ELP Frontage	Mowing of significant weed growth between Route 9 and the railroad tracks that impacts the view into English Landing Park.	100% Parks Sales Tax	\$ 15,000	\$ -	\$ -	\$ 15,000	Completed 2022 Q4	Completed 2022
Parks Sales Tax	Project	Replacement	Southern Platte Pass Trail Maintenance	Resurfacing of the asphalt trail along Hwy 45.	100% Parks Sales Tax	\$ 70,000	\$ -	\$ -	\$ 70,000	COMPLETED Q2	Rolled over to 2023 due to weather delays
Parks Sales Tax	Project	Replacement	ELP Electrical Upgrades	Installation of decorative lamp posts and upgrades to electrical pedestals in English Landing Park	60% Parks Sales Tax 40% Outreach Grant	\$ 20,000	\$ -	\$ -	\$ 20,000	Not started	Decorative lamp posts completed. Upgrades to ELP pedestals rolled over
Parks Sales Tax	Project	Replacement	Farmers Market	Design and construction of the Farmers Market building.	100% Parks Sales Tax	\$ 20,000	\$ 250,000	\$ -	\$ 270,000	IN PROCESS	Awaiting response from Platte County regarding Partnership Grant Funding
Parks Sales Tax	Project	New	HWY 9 Trailhead	City's share for constructing a new trailhead along HWY 9 to connect with the Southern Platte Pass at Gateway Park	Parks Sales Tax Partnership Grant	\$ -	\$ 50,000	\$ -	\$ 50,000	IN PROCESS	Received Grant Funding from Outreach Grant. Project in process.
Parks Sales Tax	Equipment	New	ATV/Gator w/ Cab	New ATV/Gator 4-season, park operations	Parks Sales Tax	\$ -	\$ 30,000	\$ -	\$ 2,538	IN PROCESS	Approved at finance on 5/8/23
Parks Sales Tax	Project	New	PLP Multipurpose Field	City's share to create a field and parking lot to allow placement of the Veterans Memorial - in accordance with the Land & Water Conservation Fund (LWCF) Grant	Parks Sales Tax	\$ -	\$ 25,000	\$ -	\$ 25,000	ON HOLD	Pending the outcome of the Veteran's Memorial being relocated to Spirit Fountain
Parks Sales Tax	Project	New	Master Plan Update	Parks Master Plan - will include an udpated community survey	Parks Sales Tax	\$ -	\$ 34,500	\$ -	\$ 34,500	IN PROCESS	Staff is peparing the RFP to move forward with the Master Plan process
Parks Sales Tax	Equipment	New	Facilities Management Software	Software for reservations and Park event management	Parks Sales Tax	\$ -	\$ 20,000	\$ -	\$ 11,429	N PROCESS	Pending recommendation at CLARB 5/10/23
Parks Sales Tax	Maintenance	Replacement	Train Depot Maintenance	Preventative Maintenance on the historic Train Depot	Parks Sales Tax General Fund	\$ -	\$ 15,000	\$ -	\$ 15,000	ON HOLD	Pending Direction from CLARB/BOA and Veterans Memorial
Parks Sales Tax	Maintenance	Replacement	Train Depot Landscaping	Landscaping enhancements at the Train Depot and Spirit Fountain	Parks Sales Tax	\$ -	\$ 15,000	\$ -	\$ 15,000	NOT STARTED	Pending Direction from CLARB/BOA and Veterans Memorial
Parks Sales Tax	Project	New	PLP Dumpster	Enclosed Dumpster area in PLP	Parks Sales tax	\$ -	\$ 12,000	\$ -	\$ 12,000	NOT STARTED	
Parks Sales Tax	Project	New	Dog Drinking Fountains	Two drinking fountains in the dog parks - one in each enclosure	Parks Sales Taxk	\$ -	\$ 10,000	\$ -	\$ 10,000	IN PROCESS	Seeking additional grant funding
Parks Sales Tax	Maintenance	Replacement	ELP Trail Maintenance	ELP Trail Maintenance - South side of A-Truss Bridge	Parks Sales Tax	\$ -	\$ 10,000	\$ -	\$ 10,000	NOT STARTED	This project will be in Q4 (after busy 5k/10k season ends)
GRAND TOTAL					TOTAL PARKS SALES TAX FUND	\$ 332,500	\$ 471,500	\$ -	\$ 760,167		
GRAND TOTAL						\$ 654,608	\$ 2,064,087	\$ 173,645	\$ 2,431,217		
Quarterly Summary / End of Year Summary											
1st Quarter Actual	2nd Quarter Actual	3rd Quarter Actual	4th Quarter Actual	2023 Unaudited (Q1 only)	Rollover to 2023						
\$ 173,645	\$ 63,673	\$ -	\$ -	\$ 237,318	\$ 654,608						