



FINANCE COMMITTEE

Monday, July 10, 2023 4:30 PM

Administration Conference Room, City Hall

- 1. Call to Order**
- 2. Financial Updates**
 - A. City Administrator Approvals
- 3. Action Items**
 - A. Consider the scope of services for the Architectural Design Standards project and direct staff to proceed with negotiating a final contract with Confluence (Community Development)
 - B. Approve the minutes for the June 12, 2023, regular meeting
 - C. Approve Work Authorization No. 2 with She Digs It, LLC for an emergency sanitary sewer line repair in Riss Lake (Public Works)
- 4. Non-Action Items**
- 5. Unfinished Business (postponed from prior meetings)**
 - A. Approve an agreement with Wiedenmann, Inc. for the 2023 Sanitary Sewer Repairs project (*postponed from June 12 meeting*) (Public Works)
- 6. Other Business**
- 7. Adjourn**



CITY ADMINISTRATOR
PURCHASING APPROVAL

Preparation date: 6/6/2023

CITY OF PARKVILLE

Department: Public Works

Low Bidder and
Contract Amount:

McIntire Management Group
120 E 15th Avenue
North Kansas City, MO 64116

\$6,131.66

General Scope of Work Description/Project:

Air Relief Parts

This purchase order is for the acquisition of air relief parts for the waste water treatment plant. These parts remove air from pipes to ensure proper function between treatment phases and protect the system against unwanted surges.

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

This purchase was awarded to McIntire as they are the only local distributors for ARI valves which is the brand used at the waste water treatment plan.

McIntire Management Group – 120 E 15th Ave., North Kansas City, MO 64116 - \$6,131.66

Project Start Date: 4/26/23

Estimated Completion Date: 6/1/23

Budget Account Code: 30-501.06-42-00

Authorization:

☒ City Administrator:

Date:

☐ Department Head:

Date:

☐ Mayor (if applicable):

Date:

☐ Submit to the Finance Committee for Authorization (if requested by the City Administrator)

PURCHASE ORDER
(non-construction)

CITY OF PARKVILLE (PURCHASER)
8880 Clark Avenue
(816) 741-7676

Date: April 26, 2023

Upon proper acceptance, we agree to purchase from you upon terms and conditions set forth below and on the attached pages hereto.

VENDOR McIntire Management Group

120 E 15th Avenue

North Kansas City, MO 64116

Phone: 816-746-6669

SHIP TO: Jason Brown, 12303 NW FF Highway, Parkville, MO 64152

INVOICE TO: 8880 Clark Avenue, Parkville, MO 64152

ALL MATERIAL SHALL BE DELIVERED TO PURCHASER FREIGHT PREPAID, UNLESS OTHERWISE SPECIFIED BELOW.

Vendor agrees to furnish following goods in accordance with the terms and provisions of this Purchase Order Agreement consisting of 5 pages including attachments. Purchaser agrees to pay the total sum of **SIX THOUSAND ONE HUNDRED THIRTY-ONE DOLLARS AND 66/100 (\$6,131.66)** for such materials, subject to any additions or deductions agreed upon in writing. Freight charges are included in purchase price and sales taxes will not be charged to the Purchaser as a tax exempt entity. Purchaser will provide Vendor with a Tax Exemption Certificate upon request. Payment is to be made within thirty days after delivery of goods and receipt of invoice. This purchase order is only valid through May 31, 2023.

ITEMS:

Air Relief Assembly Parts for Rebuild:
ARI D025 Rubber Goods Kit
ARI D025 Drop in Float & Seal Assembly
ARI D025 Nylon Base

New unit: \$6131.66

See Attachment "A" - Terms and Conditions
See Attachment "B" - Insurance Requirements
See Attachment "C" - Quote

SCHEDULE OF DELIVERY:

F.O.B.

Jason Brown, 12303 NW FF Highway, Parkville, MO 64152

816-891-0003

NOTE: All Terms and Conditions for Purchase Order attached hereto are incorporated herein by reference and made a part of this Purchase Order. Vendor's signature and return of this document as presented, or its delivery of any of the items covered by this Purchase Order, shall constitute acceptance of all of its terms and conditions. If this Purchase Order is not signed and returned to Purchaser within ten (10) days of the date stated on page 1 above, however, it may be deemed voidable at the option of Purchaser. Payment shall not be due until Vendor has furnished Purchaser, with the required Certificates of Insurance and any other documents required by Purchaser.

All terms in any offer, bid, order acknowledgement or other document that are inconsistent with the terms stated herein are explicitly rejected and not a part of this Purchase Order.

CITY OF PARKVILLE, MISSOURI. ("Purchaser")

MCINTIRE MANAGEMENT GROUP ("Vendor")

By: Alexa Barton

By: Jessie Poole

Title: Alexa Barton, City Administrator

Title: Admin Assistant

Date: 6/20/2023

Date: 5-2-2023



**MCINTIRE MANAGEMENT GROUP
D & W SYSTEMS SALES**

120 E 15th Avenue
North Kansas City, MO 64116
Phone: 816-746-6669
Email: kc-sales@mmgonline.net

Invoice

Date	Invoice #
3/8/2023	23834

Bill To
CITY OF PARKVILLE 8880 CLARK AVENUE PARKVILLE, MO 64152

Ship To
CITY OF PARKVILLE 12303 NW HWY FF PARKVILLE, MO 64152

P.O. Number							Due Date
VERBAL JASON							4/7/2023
C.S.	S.O. #	Rep	Payment Terms	Ship Date	Freight Terms	Shipped Via	F.O.B.
C G	7454	BW-MO	Net 30	3/8/2023	PPA	UPS	NKCMO
Quantity	Item Code	Description			U/M	Price Each	Amount
10	MARI-D025P-Z...	ARI D025 RUBBER GOODS KIT, INCLUDES UPPER BODY O-RING, LOWER BODY O-RING, AND ROLLING SEAL				75.00	750.00
6	MARI-D025P-Z...	ARI D025 DROP IN FLOAT AND SEAL ASSEMBLY, P/N: ZZPD025FLOATASSWOR				475.00	2,850.00
10	MARI-D025P-Z...	ARI D025, NYLON BASE FOR 2" D025PT, P/N: ZZ0247-2802NT-SH-PL				250.00	2,500.00
1	FREIGHT - NON...	NON-TAXABLE FREIGHT UPS - 1Z2F126F0395954449				31.66	31.66
Total						\$6,131.66	



CITY ADMINISTRATOR
PURCHASING APPROVAL

Preparation date: 6/23/2023

CITY OF PARKVILLE

Department: Public Works

Low Bidder and
Contract Amount:

SheDigs It LLC
600 SE Central DR
Blue Springs, MO 64014-3311

\$7,670.00

General Scope of Work Description/Project:

RAS Pit Clean Out

This project covers the cleanout of the RAS pit at the Wastewater Treatment Plant. The plant does not have grit removal functionality and periodically needs removed. This work includes the removal of 2-3 feet of grit cleanout and then disposal hall off.

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

This work was awarded to SheDigs It due to their availability to perform this work in a timely manner.

Project Start Date: 4/1/23

Estimated Completion Date: 5/1/23

Budget Account Code: 30-501.07-34-00

Authorization:

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



CITY OF PARKVILLE • 8880 Clark Avenue • Parkville, MO 64152 • (816) 741-7676 • FAX (816) 741-0013

Work Authorization #1

Date: April 10, 2023
Issued to: SDI
600 SE Central Drive
Blue Springs, MO 64014

Project/Work Description RAS Pit Cleanup
Invoice #23024-1 Attached
Scope of Work/Purpose: Emergency Repair

Schedule and Price

Project Start Date: 4/10/2023
Estimated Completion Date: 4/26/2023
Latest Acceptable Date:
Estimated Cost: \$7,670.00
Expenditure Limit: \$7,670.00
Budget Account Code: 30.501.06-014-00

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: Michele Bledsoe, Accounting Manager Signature: *Michele Bledsoe*

Company: SDI (She Digs It) Date: 4/26/2023

Authorization

Department Head: *[Signature]* Date: 5-28-23

Dan Harper, Public Works Director

City Administrator (if over \$2,500): *Alexa Barton* Date: 4-27-2023

Alexa Barton, City Administrator

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



600 SE Central Dr
Blue Springs, MO 64014
Phone: (816) 295-1100
Fax: (816) 295-1627

INVOICE

Invoice #
23024-1

SOLD TO City of Parkville MO
8880 Clark Avenue
Parkville, MO 64152

PO NUMBER	ACCOUNT NUMBER	JOB NAME	INVOICE DATE	PAGE
	PARKVILL	Parkville repairs	4/10/2023	1

Basin Cleaning

DESCRIPTION	QUANTITY	UNIT PRICE	EXTENDED
Basin Cleaning per attached cost worksheet	1	7,670.00	7,670.00

TOTAL AMOUNT 7,670.00

Terms: Net 30



COST WORKSHEET

Date: April 7, 2023

Reason for Cost:
Basin Cleaning

Owner Name: Parkville, MO

Owner Contract No.

SDI Project No.

Time Extensions

Item	Unit	Quantity	Rate	Amount
Supervisor	\$	130.00	\$	185.00
2 Man Crew W/ Excavation Equipment	\$	350.00	\$	450.00
3 Man Crew W/ Excavation Equipment	\$	400.00	\$	640.00
4 Man Crew W/ Excavation Equipment	\$	680.00	\$	785.00
Equipment Operator (Camera/Jetter)	\$	94.00	\$	141.00
Laborer	\$	75.00	\$	112.50
Concrete Finisher	\$	67.00	\$	100.50
Dump Truck Driver	\$	94.00	\$	141.00

Item	Unit	Quantity	Rate	Amount
Camera Truck - 4 Hr Minimum + Drive time	\$	300.00	\$	0.00
Jetter Combo - 4 Hr Minimum + Drive time	\$	300.00	\$	11.00
Tandem Dump Truck	\$	50.00	\$	0.00
Support Truck	\$	120.00	\$	11.00

Item	Unit	Quantity	Rate	Amount
Dump Fees	0	BA	\$	100.00
Aggregate	0	TN	\$	225.00
Concrete - Century/Fordyce	0	CY	\$	157.00
Flowable Fill - Century/Fordyce	0	CY	\$	180.00

TOTAL: 7,170.00

CITY OF PARKVILLE

Policy Report

Date: June 23, 2023

Prepared By:

Stephen Lachky, Community Development
Director

Reviewed By:

Alexa Barton, City Administrator

ISSUE:

Consider the scope of services for the Architectural Design Standards project and direct staff to proceed with negotiating a final contract with Confluence (Community Development)

BACKGROUND:

Parkville Municipal Code Title IV – Development Code is a comprehensive set of development standards intended to promote public safety, health and general welfare by implementing the City's Master Plan through urban design & subdivision standards, building standards, and land use standards via zoning districts. Provisions of the Development Code were first adopted on November 17, 1953, via Ordinance No. 334 and have been updated over the years, most recently at a comprehensive level on February 7, 2017, via Ordinance No. 2884.

Chapter 403 of the Development Code outlines the various applications for development (ex: major site plan, minor site plan, preliminary development plan, and final development plan) and requirements for approval, including meeting all development and design standards. With the exception of the "OTD" Old Town District, "R-4" Mixed-Density Residential, and "BP" Business Park District, zoning districts do not contain standards for building design/types, architectural styles, materials, features or details; thus, the City seeks to establish such standards to provide clarity to property owners, developers, staff and members of the Planning and Zoning Commission. Moreover, developing a cohesive set of architectural design standards for the City encourages high-quality development and redevelopment.

On April 20, 2023, staff issued a Request for Qualifications for professional planning and public engagement services to develop architectural design standards. Staff received inquiries/interest from two consultant teams, but only received one proposal submission from Confluence. A selection committee consisting of Dean Katerndahl (Mayor), Phil Wassmer (Ward 1 Aldermen), Michael Lee (Ward 4 Aldermen), Michael Wright (Chair of the Planning and Zoning Commission), Alexa Barton (City Administrator), Stephen Lachky (Community Development Director) and Brad Stanton (Planner) reviewed the proposal and extended an invitation for a formal interview on June 2, 2023. Following the interview, the selection committee concluded Confluence had the necessary expertise, experience and personnel to develop Architectural Design Standards for the City.

The next step in the process is for the City and the consultant to negotiate a contract for services. Confluence has prepared a draft scope of services containing base services and deliverables for the project, as well as five additional options for the Finance Committee to consider. These scenarios were provided at the request of the Selection Committee. Staff is seeking feedback from the Finance

Committee regarding preferred deliverables to be included as part of Confluence's final contract, which will be negotiated by staff and presented before the Finance Committee at a later date.

BUDGET IMPACT:

On December 20, 2022, the Board of Aldermen adopted the 2023 Operating Budget and 2023-2027 Capital Improvement Program (CIP), which includes \$40,000 for professional services to develop architectural design standards via the CIP in 2023.

ALTERNATIVES:

1. Provide feedback regarding scope of services for the Architectural Design Standards project and direct staff to proceed with negotiating a final contract with Confluence for an amount not to exceed \$40,000.
2. Recommend that the Board of Aldermen execute a contract with Confluence for base tasks no. 1-3 in the amount of \$40,000 for the Architectural Design Standards project.
3. Recommend that the Board of Aldermen execute a contract with Confluence for base tasks no. 1-3, as well as optional additional tasks _____, in the amount of _____ for the Architectural Design Standards project.
4. Do not recommend executing a contract with Confluence and provide alternate direction to staff.
5. Postpone the item.

STAFF RECOMMENDATION:

Staff recommends the Finance Committee provide feedback regarding scope of services for the Architectural Design Standards project, and direct staff to negotiate a final contract with Confluence for an amount not to exceed \$_____.

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. Once a final contract has been negotiated with the consultant, it will need to be presented at a future meeting of the Finance Committee for recommendation to the Board of Aldermen.

SUGGESTED MOTION:

I move to direct staff to proceed with negotiating a final contract with Confluence for the Architectural Design Standards project in an amount not to exceed \$_____.

ATTACHMENTS:

1. Scope of Services

CITY OF PARKVILLE, MISSOURI ARCHITECTURAL DESIGN STANDARDS SCOPE OF SERVICES

PROJECT DESCRIPTION

Planning services will be provided by Confluence (Consultant) to the City of Parkville, Missouri, a municipal government in the State of Missouri (City) to draft updates to portions of the City's zoning related to building architectural design standards.

The Consultant anticipates working in collaboration with City Staff, as well as with the Board of Aldermen and Planning and Zoning Commission. The following Scope of Services is based on our understanding of the City's desires.

SCOPE OF SERVICES

TASK 1: PRELIMINARY DRAFT

(3 MONTHS)

- 1.1 The Consultant will facilitate and conduct a Kick-Off Meeting with City Staff. The purpose of this meeting will be to review the project scope and schedule as well as provide initial input on the standards. (in-person or virtual meeting)
- 1.2 The Consultant will complete a preliminary draft of the code update (80% complete draft) and meet virtually with City staff to review the preliminary draft. (2 to 3 virtual meetings)

TASK 2: DRAFT REVIEW INPUT

(2 MONTHS)

- 2.1 **Community Forum:** The Consultant will conduct a community forum to review the components of the proposed code updates, respond to questions, and collect public input and comments. Following the forum, the Consultant will review the community input with City Staff and make updates as warranted.
- 2.2 **Board and Commission Joint Workshop:** The Consultant team will present the proposed code update at a Joint Workshop of the Board of Aldermen and the Planning and Zoning Commission and collect any input and comments. Following the Joint Workshop, the Consultant will review the Board and Commission input with City Staff and make updates as warranted and prepare a final draft code update.

TASK 3: FINAL DRAFT REVIEW AND APPROVAL

(1 MONTH)

- 3.1 **Planning and Zoning Commission Hearing:** The Consultant will attend and present the code update at a public hearing of the Planning and Zoning Commission and make changes as may be requested by the Commission.

- 3.2 **Board of Aldermen Hearing:** The Consultant will attend and present the code updates at a public hearing of the Board of Aldermen and make any final changes as may be requested by the Board.

DELIVERABLES

Various drafts of the updated code updates will be provided to the City in PDF, Word, and Excel formats.

ANTICIPATED FEES

Task 1: Preliminary Draft	\$26,500.00
Task 2: Draft Review and Input	\$9,000.00
Task 3: Final Draft Review and Approval	\$4,500.00
Total (Tasks 1 – 3, not including reimbursable expenses)	\$40,000.00

EXCLUSIONS

Reimbursable expenses for printing and travel are not included in the service fee and will be included on each monthly invoice as incurred in accordance with "Exhibit A".

OPTIONAL ADDITIONAL TASKS

Online Engagement Website	\$5,500
Stakeholder Interviews (1-day virtual)	\$2,000
Property Owner Survey	\$1,500
Public Input and Visual Preference Workshop	\$3,500
Planning and Zoning Commission Input Workshop	\$2,500



Finance Committee Meeting
Monday, June 12, 2023 4:30 PM
Administration Conference Room, City Hall

Minutes

1. Call to Order

Vice Chair Bennett called the meeting to order at 4:30 p.m. A quorum was present.

Members Present: Vice Chair Bob Bennett, Dean Katerndahl, Philip Wassmer and Michael Lee

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

2. Financial Updates

A. City Administrator Approvals

City Administrator Alexa Barton provided an overview of approvals within her authority.

3. Action Items

A. Approve the minutes for the May 8, 2023, regular meeting

Philip Wassmer moved to approve the minutes for the May 8, 2023, meeting. Dean Katerndahl seconded; motion passed 4-0.

B. Approve Work Authorization No. 4 with Fluid Equipment to repair the Sulzer Mixer at the wastewater treatment plant

Public Works Director Dan Harper stated that the sulzer mixer at the sewer plant broke down and staff was looking at possible solutions. He added that it was more cost effective to rebuild it with new components than it would be to replace.

Wassmer moved 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. Katerndahl seconded; motion passed 4-0.

C. Approve an agreement with Wiedenmann, Inc. for the 2023 Sanitary Sewer Repairs project

Public Works Director Dan Harper said there was a five-part plan to address lingering issues with the sanitary sewer system. The project would include raising the buried valve pits. He added that the design was completed in the spring and the project was bid in May. Five bids were received, but one bid was withdrawn.

Discussion focused on the options for the sewer plant in the future, which projects needed to be completed and which projects could wait until a decision about the plant was made

and postponing the item to the next meeting.

Wassmer moved to postpone the item to the July 10 meeting. Katerndahl seconded; motion passed 4-0.

4. Non-Action Items

A. Quarterly Projects Update

Assistant City Administrator Jeffery Rhodes provided a status update on the projects within the 2023 Capital Improvement Program.

5. Unfinished Business (postponed from prior meetings)

6. Other Business

7. Adjourn

Vice Chair Bennett adjourned the meeting at 5:08 p.m.

Submitted by:

Melissa McChesney
City Clerk

Approval Date

CITY OF PARKVILLE

Policy Report

Date: June 30, 2023

Prepared By:

Daniel Harper, Public Works Director

Reviewed By:

Alexa Barton, City Administrator

ISSUE:

Approve Work Authorization No. 2 with She Digs It, LLC for an emergency sanitary sewer line repair in Riss Lake (Public Works)

BACKGROUND:

This contract is for an emergency sanitary sewer repair where a low-pressure line broke. This project included hydro-excavation and haul-off for sewage due to the low pressure system and high quantity of utilities in the area. The City selected She Digs It due to their earliest availability for the restoration of valve pits, point segment repairs, and raising man-holes. There were six companies that provided bids for this project. The work is located on Meadow Court South in Riss Lake.

BUDGET IMPACT:

This project will utilize a portion of the Line Repairs & Maintenance as part of City Services that was budgeted for \$30,000 for FY 2023.

ALTERNATIVES:

1. Approve the agreement with She Digs It for the emergency repair.
2. Do not approve the item.
3. Postpone the item.

STAFF RECOMMENDATION:

Staff recommends approval of the emergency work authorization awarded to She Digs It, LLC in the amount of \$17,609.50.

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 She Digs It, LLC for an emergency sanitary sewer line repair in Riss Lake in the amount of \$17,609.50.

ATTACHMENTS:

1. Work Authorization No. 2



CITY ADMINISTRATOR
PURCHASING APPROVAL

CITY OF PARKVILLE
Department: Public Works

Preparation date: 6/23/2023

Low Bidder and
Contract Amount:

SheDigs It LLC
600 SE Central DR
Blue Springs, MO 64014-3311

\$17,609.50

General Scope of Work Description/Project:

Riss Lake Emergency Line Repair

This project covers the hydro excavation, line camera, line pump out & haul off, and the main repair. At the beginning of April there was a main leak that occurred that required immediate action to repair to prevent sewage leaking. Due to the high number of utilities hydro excavation was required and the low pressure sewer system required haul off to keep the system functioning during the repair.

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

This emergency work was awarded to SheDigs It due to their availability to respond during the emergency.

H&H was another contractor that was contacted to perform this work, however they did not have availability and therefore no quote was provided.

Project Start Date: 4/8/23

Estimated Completion Date: 5/1/23

Budget Account Code: 30-501.07-34-00

Authorization:

- ☐ City Administrator: [Signature] (ACTW6) Date: 6/30/23
☐ Department Head: [Signature] Date: 6/30/23
☒ Mayor (if applicable): _____ Date: _____
☐ Submit to the Finance Committee for Authorization (if requested by the City Administrator)



CITY OF PARKVILLE • 8880 Clark Avenue • Parkville, MO 64152 • (816) 741-7676 • FAX (816) 741-0013

Work Authorization #2

Date: April 10, 2023
Issued to: SDI – She Digs It, LLC
600 SE Central Drive
Blue Springs, MO 64014

Project/Work Description Riss Lake Emergency Line Repair

Scope of Work/Purpose: Emergency Repair

Schedule and Price

Project Start Date: 4/10/2023
Estimated Completion Date: 4/14/2023
Latest Acceptable Date:
Estimated Cost: \$17,609.50
Expenditure Limit: \$17,609.50
Budget Account Code: 30.501.06-42-00

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: Cheryl G. GARCIA Signature: CM

Company: SDI (She Digs It) Date: 6/30/23

Authorization

Department Head: [Signature] Date: 6/30/23

Dan Harper, Public Works Director
City Administrator (if over \$2,500): [Signature] Date: 6/30/23 (ACTING)
Alexa Barton, City Administrator

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

ITEM 5.A.

For 7/10/2023

Board of Aldermen - Finance Committee Meeting

CITY OF PARKVILLE

Policy Report

Date: June 12, 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 (*postponed from June 12 meeting*) (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; **or for special consideration** by the Board of Aldermen, this project may be postponed until determination of current emergency repair to clarifier at plant is completed in order to calculate the unexpected repair has, and the impact to, the Sewer Fund.

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

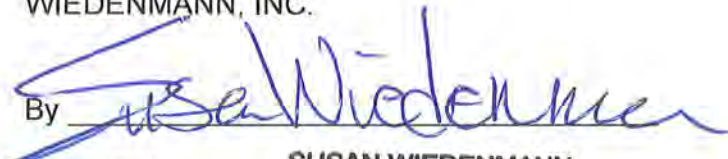
ATTEST:

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 TARY 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.

[illegible]

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 – 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

[illegible]



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.

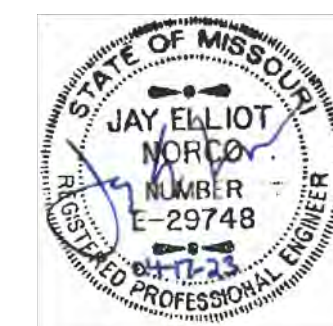
Raise MH G53 to grade using adjusting rings. See Table, Sht. 20.

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

J. NORCO, P.E. E-29748
North Hills Engineering, Inc.
1825 Sunrise Dr., Smithville, MO
64089. - northhillseng@gmail.com
CL #2012038740



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

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Sewer Point Repair Segment J14-J13A, The Bluffs
Easement Clearing & Grading
Install Barrel Section to Raise MH J13A.
Manhole Grade Adjustment (Adjusting Rings)
Replace Existing Iron Frame & Lid with Non-Metallic

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.

Easement clearing: 585 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.

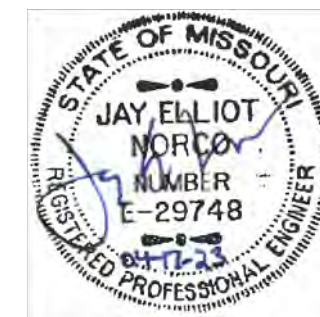
City camera data shows MH J13A to be 82 feet U/S of MH J13, segment is 8" PVC.

Point repair work includes handling flows by pumped bypass or hauling. 38 residences upstream of repair point, approx. 1,200 gal/hour, 75 gpm peak.

Raise MH J03 to grade using adjusting rings. See Table, Sht. 20

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

J. NORCO, P.E. E-29748
North Hills Engineering, Inc.
1825 Sunrise Dr., Smithville, MO
64089. - northhillseng@gmail.com
CL #2012038740



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

7 of 22

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.

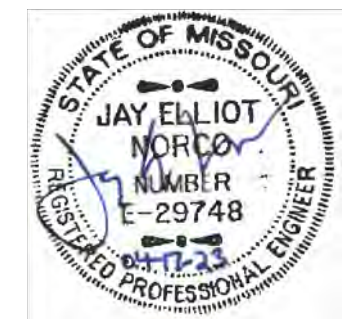
LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 21.

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

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.

J. NORCO, P.E. E-29748
North Hills Engineering, Inc.
1825 Sunrise Dr., Smithville, MO
64089. - northhillseng@gmail.com
CL #2012038740

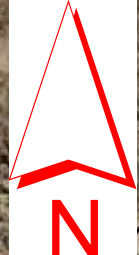


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WORK ON THIS SHEET: Applies to unit prices for:

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

- 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.

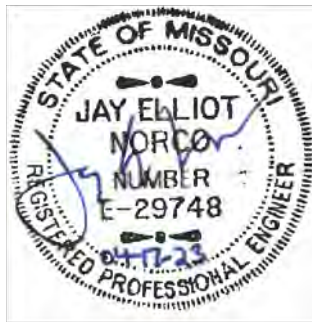
Legend

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

Exist Air/Valve Pit Type

- ARV
- CHV
- ELCO
- INCO
- VLV

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CL #2012038740



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.
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.

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.
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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.
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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.

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.

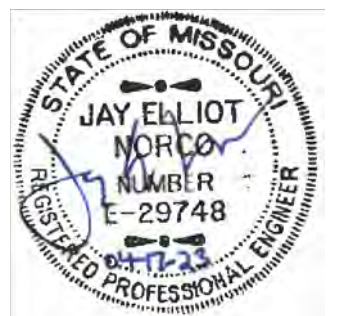
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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 - 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.
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.
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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 - PerTable Sht. 21.



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.

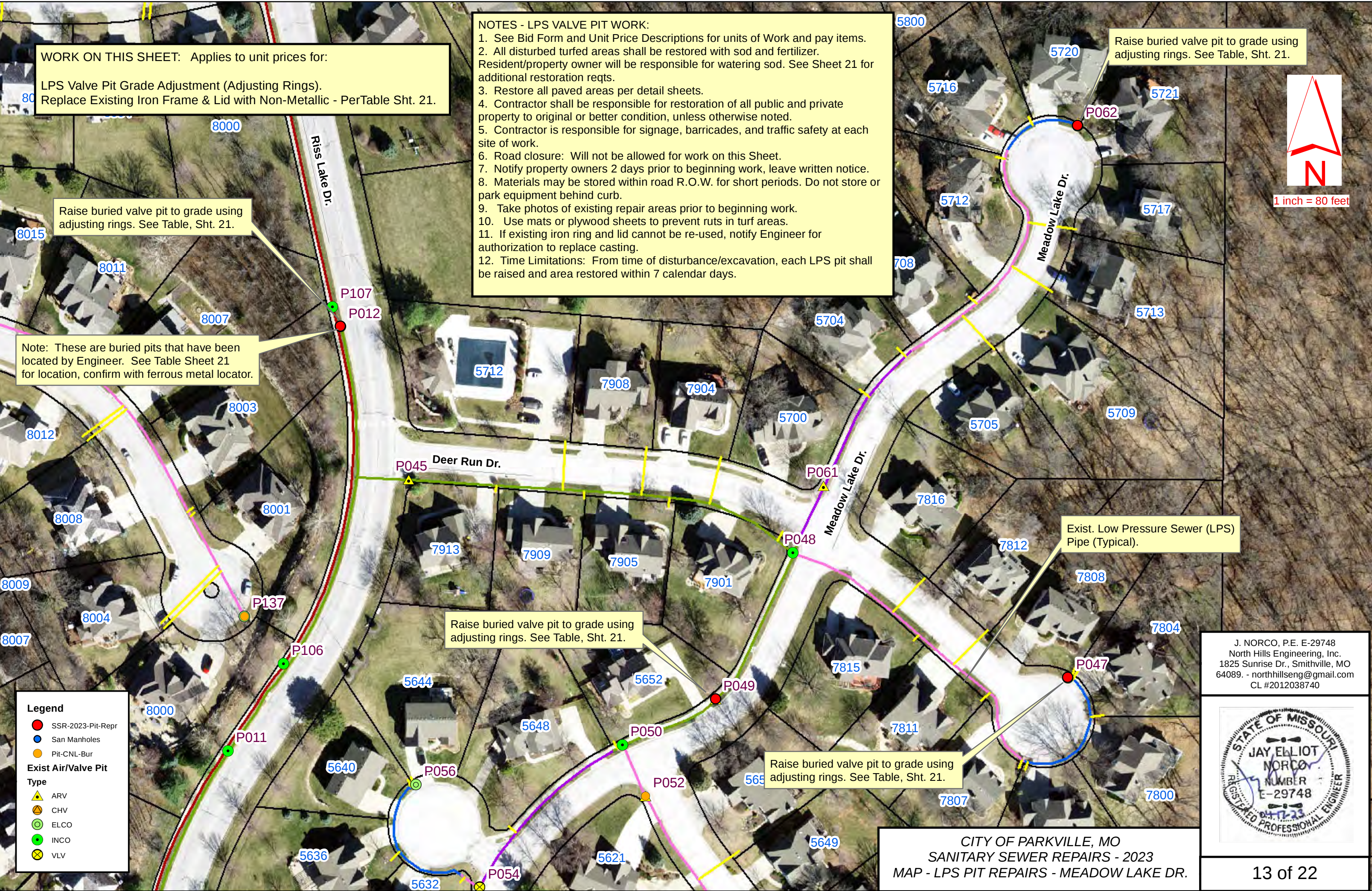
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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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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.
 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.

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).

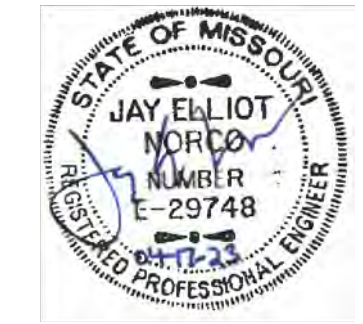
Legend

- SSR-2023-Pit-Repr
- San Manholes
- Pit-CNL-Bur
- Exist Air/Valve Pit

Type

- ARV
- CHV
- ELCO
- INCO
- VLV

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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.
 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.

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

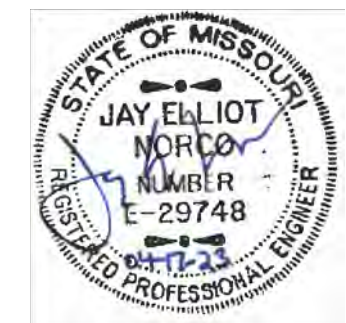
- SSR-2023-Pit-Repr
- San Manholes
- Pit-CNL-Bur

Exist Air/Valve Pit

Type

- ARV
- CHV
- ELCO
- INCO
- VLV

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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.
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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.

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).

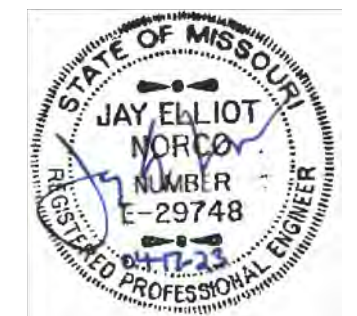
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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 - TWILIGHT PLC.

15 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.
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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.

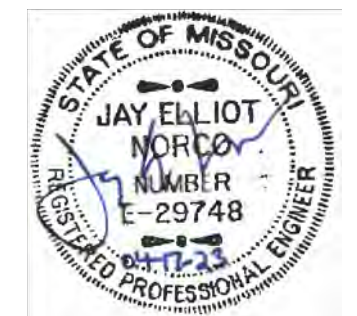
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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.
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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.

Legend

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

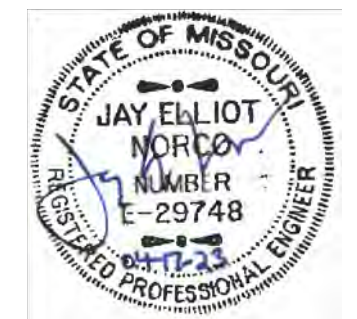
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Exist. Low Pressure Sewer (LPS) Pipe (Typical).

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.
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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).

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.

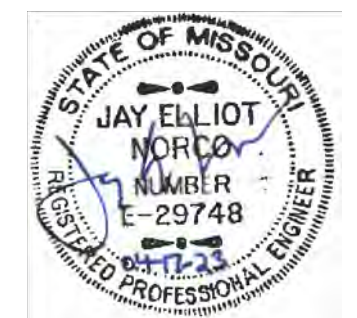
Raise buried valve pit to grade using adjusting rings. See Table, Sht. 21.

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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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.

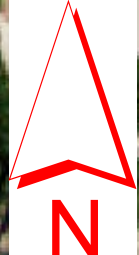
WORK ON THIS SHEET: Applies to unit prices for:

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).

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 (Red circle)
- VLV (Yellow circle)

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

TABLE 1:
MANHOLE GRADE ADJUSTMENT & CASTING REPLACEMENT:
(Note: separate unit prices apply for grade adjustment & casting replacement.)

MH No.	Location:	Method	Inches to Raise	Replace Casting	Surface Restoration Work
G06	Rear lot line #8902 Melody Dr.	Adjusting rings.	6	No	Seed & straw.
G17	Sewer easement in woods, behind #6605 Melody Ln, access via cleared easement.	Adjusting rings.	12 (net)	Non-metallic	Seed & straw.
G53	Sewer easement in woods, behind #6714 Lawson Ln., access via cleared easement.	Adjusting rings.	12	No	Seed & straw.
J03	In road R.O.W., 4 ft. behind curb, about 35 ft. East of driveway to #5210 Bluff Lane.	Adjusting rings.	6 (net)	Non-metallic	Seed & straw.

TABLE 2:
INSTALL MANHOLE BARREL SECTION TO RAISE:
(Note: separate unit price applies for casting replacement.)

MH No.	Location:	Method	Inches to Raise	Replace Casting	Surface Restoration Work	Notes / Additional Work
J13A	Bluffs	Add 4' dia. Barrel.	32+	Non-metallic	Seed & straw.	Provide also 12" of adj. rings.

Revisions

No.	Date	Description



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
TABLES - MANHOLE
GRADE ADJUSTMENTS

Design:Drawn:
JEN

Date:4-17-23

Sheet:20 of 22

Page 49 of 51

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

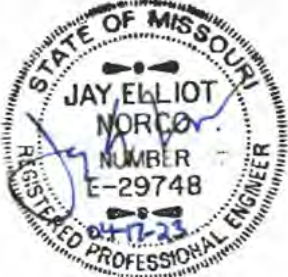
PIT NO.	LOCATION	NOTIFICATION ADDRESS(ES) - <i>USE CITY FLYER</i>	TYPE	METHOD	INCHES RAISE (net)	REPLACE CASTING	OTHER WORK	SURFACE RESTORATION	NOTES:
P012	2 'b/c, 10' S. of pit P107, W. side Riss Lake Dr., 115' N. of Deer Run Dr.	N/A	INCO	Adj. rings.	Raise 6"	YES		Restore with sod, starter fertilizer.	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										



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

CL#2012038740



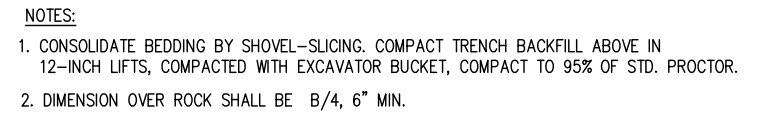
Jay E. Norco E-29748

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

SANITARY SEWER REPAIRS - 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.



LIFT OFF EXISTING LID, SET ASIDE, RE-USE.
VERIFY THAT LID OPENS. IF CASTING
REPLACEMENT IS REQUIRED, DEMO AND
HAUL OFF IRON FRAME AND LID.

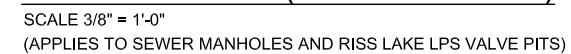
EXCAVATE AS REQUIRED TO
EXPOSE EXISTING FRAME AND
CHIMNEY.

EXIST. ADJ. RINGS TO REMAIN,
UNLESS DAMAGED, THEN
REPLACE.

EXIST. MH CONE
SECTION

DEMOLITION

FOR NON-METALLIC CASTING: DRILL & INTALL
FOUR 6" L x 5/8"Ø SS EXP. BOLTS OR EPOXY



- [illegible]

NORTH HILLS ENGINEERING, INC., northhillseng@gmail.com,
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Jay E. Norco E-29748

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

SANITARY SEWER REPAIRS – 2023 MISCELLANEOUS DETAILS

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