



FINANCE COMMITTEE

Monday, July 7, 2025 4:30 PM

Administration Conference Room, City Hall

- 1. Call to Order**
- 2. Financial Updates**
- 3. Action Items**
 - A. Approve the minutes for the June 9, 2025, meeting
 - B. Amending Ordinance No. 3237 to amend the 2025 salaries to add Senior Planner and Academy Recruit positions (Administration)
 - C. Approve a construction agreement with Haven's Construction for the 2025 Sanitary Sewer Repairs project (Public Works)
- 4. Non-Action Items**
- 5. Unfinished Business (postponed from prior meetings)**
- 6. Other Business**
- 7. Adjourn**



Finance Committee Meeting
Monday, June 9, 2025 4:30 PM
Administration Conference Room, City Hall

Minutes

1. Call to Order

Chair Wylie called the June 9, 2025, meeting to order at 4:31 p.m. A quorum was present.

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

City Staff Present: City Administrator Alexa Barton, Deputy City Administrator/Finance Director Bryan Kidney, Assistant City Administrator Jeffery Rhodes, City Attorney John Mautino, Public Works Director Dan Harper, Community Development Director Stephen Lachky (*via videoconference*), Parks & Recreation Director Brittanie Propes and City Clerk Melissa McChesney

2. Financial Updates

3. Action Items

A. Approve the minutes for the April 28, 2025, regular meeting

Bennett moved to approve the minutes for the April 28, 2025, meeting. Dean Katerndahl seconded; motion passed 3-0.

4. Non-Action Items

A. Sewer Fund Corrective Actions Overview

City Administrator Alexa Barton stated that the project had begun and the item was an informational update. She anticipated that a report would be presented to the Board of Aldermen in September or October because it could impact the 2026 budget.

5. Unfinished Business (postponed from prior meetings)

6. Other Business

7. Adjourn

Chair Wylie adjourned the meeting at 4:35 p.m.

Submitted by:

Melissa McChesney
City Clerk

Approval Date

CITY OF PARKVILLE

Policy Report

Date: July 3, 2025

Prepared By:

Alexa Barton, City Administrator

Reviewed By:

Alexa Barton, City Administrator

ISSUE:

Amending Ordinance No. 3237 to amend the 2025 salaries to add Senior Planner and Academy Recruit positions (Administration)

BACKGROUND:

The purpose of this ordinance is to amend the City of Parkville's official 2025 Classification and Compensation Schedule to include two newly designated employee positions. These additions support internal career development opportunities and respond to operational needs in public safety and planning functions. The new positions include the addition of a **Senior Planner** position within the Planning Department and an **Academy Recruit** position within the Police Department.

POSITION ADDITIONS

1. Senior Planner

Department: Community Development / Planning

Position Type: Full-Time (Reclassification/Progression Position)

FLSA Status: Exempt

Pay Grade: Pay Grade 6—one level above City Planner

Effective Date: Upon Ordinance Adoption

Background:

This new classification reflects a natural and logical progression for employees serving in the existing City Planner role. Modeled after career progression practices found in departments with laborers and skilled laborers, the Senior Planner role acknowledges advanced expertise and professional development within the planning discipline.

Purpose and Justification:

- Provides an upward mobility path for experienced City Planners.
- Recognizes attainment of significant professional benchmarks, including years of service, demonstrated leadership, and acquisition of professional certifications (e.g., AICP - American Institute of Certified Planners).

- Enhances retention and motivation of qualified personnel.
- Aligns with practices in similarly sized cities where planning staff are given the opportunity to progress into senior roles.

Compensation Impact:

The Senior Planner position will be placed in a higher pay grade than the existing City Planner role. The budget impact will be minimal, as it represents a career ladder opportunity rather than a net increase in staff count.

2. Police Academy Recruit

Department: Police Department

Position Type: Full-Time (Temporary-to-Permanent)

FLSA Status: Non-Exempt

Pay Grade: Entry-Level/Recruit Tier: 4P

Effective Date: Upon Ordinance Adoption

Background:

The addition of the Academy Recruit position will allow the Parkville Police Department to proactively hire qualified candidates who meet entry requirements for Missouri law enforcement training academies. Recruits will be employed by the city while attending a regional POST-certified police academy and, upon successful completion, will transition into full-time Police Officer roles.

Purpose and Justification:Increases the city's competitiveness and flexibility in recruiting prospective officers.

- Mirrors a growing trend in Missouri municipalities to support in-house development of police officers through academy sponsorships.
- Reduces delays in staffing by allowing continuous hiring cycles, rather than waiting for certified officers to apply.
- Allows the city to attract a broader and more diverse candidate pool, including individuals transitioning into law enforcement careers.

Compensation Impact:

Academy Recruits will be compensated at a lower training scale comparable to other regional jurisdictions. Upon graduation and POST certification, they will be reclassified to the full Police Officer pay grade. The initial cost of academy training may be offset by long-term staffing stability and reduced turnover, and will require the recruit to agree to be employed with the city for a minimum of 3 years.

STRATEGIC GOAL(S):

- Operational Excellence

BUDGET IMPACT:

- The addition of the **Senior Planner** position does not increase the total number of full-time employees, but allows for classification upgrades based on merit and qualifications.
- The **Academy Recruit** position adds flexibility in staffing police vacancies with a reduced training pay scale during the academy period.
- Any budgetary impacts from salary adjustments or academy tuition are expected to be absorbed within the existing FY2025 departmental budgets or covered through vacancy savings and police recruitment funds.

ALTERNATIVES:

1. Approve the item.
2. Approve the item, subject to changes.
3. Do not approve the item.
4. Postpone the item.

STAFF RECOMMENDATION:

Staff recommends approval of the ordinance amending the 2025 Classification and Compensation Schedule to include the Senior Planner and Academy Recruit positions. These classifications support long-term organizational growth, recruitment, and retention goals in key city departments.

POLICY:

The Board of Aldermen must approve all changes to the City's Municipal Code by ordinance.

SUGGESTED MOTION:

I move to recommend that the Board of Aldermen approve an ordinance to amend the 2025 salary schedule.

ATTACHMENTS:

1. Draft Ordinance

BILL NO. _____

ORDINANCE NO. _____

AN ORDINANCE AMENDING ORDINANCE NO. 3237 ESTABLISHING THE 2025 CLASSIFICATION OF ALL EMPLOYEE POSITIONS AND COMPENSATION FOR SUCH CLASSIFICATIONS IN ORDER TO ADD THE POSITIONS AND CORRESPONDING COMPENSATION FOR SENIOR PLANNER AND ACADEMY RECRUIT

WHEREAS, on November 19, 2024, the Board of Aldermen adopted Ordinance No. 3237 which classified all employee positions for the City, and established the compensations for such positions, for Fiscal Year 2025; and

WHEREAS, the Board of Aldermen wishes to amend the employee classification and compensation provisions of Ordinance No. 3237 to reflect the position of Senior Planner and Academy Recruit (Police Department).

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF PARKVILLE, MISSOURI, AS FOLLOWS:

SECTION 1. That Section 1 of Ordinance No. 3237 is hereby amended by adding the Senior Planner position to Pay Grade 6 of the pay ranges for permanent full-time non-police City employees, as shown below:

Grade	Classification	<u>Annual</u>			<u>Hourly</u>		
		Minimum	Mid-Point	Maximum	Minimum	Mid-Point	Maximum
1	Receptionist	39,333	47,195	55,058	18.91	22.69	26.47
2	Laborer	44,054	52,853	61,651	21.18	25.41	29.64
3	Skilled Laborer	48,464	58,136	67,850	23.30	27.95	32.62
4	Department Assistant Code Enforcement/Permit Technician Court Administrator Foreman	53,310	63,981	74,610	25.63	30.76	35.87
5	Parks and Recreation Program Manager Construction/Code Inspector Building Inspector Building Official Dep City Clerk/Finance Specialist Project Manager Planner	58,635	70,366	82,098	28.19	33.83	39.47
6	HR Generalist Superintendent Senior Planner Director of Operations	67,434	80,933	94,411	32.42	38.91	45.39

7	Assistant Public Works Director City Clerk City Treas./Accountant	77,563	93,059	108,576	37.29	44.74	52.20
8	Assistant City Administrator City Attorney Community Development Director Parks & Recreation Director Public Works Director	108,264	129,917	151,549	52.05	62.46	72.86
9	Police Chief Deputy City Administrator	135,346	162,386	189,467	65.07	78.07	91.09
10	City Administrator	169,166	211,453	253,739	81.33	101.66	121.99

SECTION 2. That Section 2 of Ordinance No. 3237 is hereby amended by adding the Academy Recruit position as Pay Grade 4P to the pay plan for permanent full-time police City employees, as shown below:

Grade	Classification	Annual			Hourly		
		Minimum	Mid-point	Maximum	Minimum	Mid-Point	Maximum
4P	Academy Recruit		60,008			28.85	
5P	Officer	65,208	78,250	91,291	31.35	37.62	43.89
6P	Sergeant	78,250	93,900	109,549	37.62	45.14	52.67
7P	Captain	93,900	112,679	131,459	45.14	54.17	63.20
9P	Chief	135,346	162,386	189,467	66.01	79.21	92.42

SECTION 3. All other provisions of Ordinance No. 3237 not amended by this Ordinance remain in full force and effect.

SECTION 10. This ordinance shall take effect upon its passage and approval.

PASSED and APPROVED this ____ day of July 2025.

Mayor Dean Katerndahl

ATTESTED:

City Clerk Melissa McChesney

CITY OF PARKVILLE

Policy Report

Date: July 2, 2025

Prepared By:

Daniel Harper, Public Works Director

Reviewed By:

Alexa Barton, City Administrator

ISSUE:

Approve awarding the Bid for the 2025 Sanitary Sewer Repairs Project and Contract to Haven's Construction, Inc. (Public Works)

BACKGROUND:

The sanitary sewer collection system requires regular routine maintenance to continue proper function. Over time the materials wear due to grit causing mechanical wear and chemical deterioration due to fumes reacting with the pipes. In addition, low pressure systems experience routine changes in pressures on a daily basis expand and contract on the pipes and valves that causes strain on the materials until they fail. As these components reach the end of their life issues with reduced pressures, leaks, and breaks occur that may require immediate emergency repairs.

In an effort to mitigate the more costly emergency breaks larger projects are performed to address known locations on the system that have either failed in the past or are nearing failure. This project takes place primarily in Riss Lake that was constructed over several years and many of the valve pits have reached the end of their functional life and are in need of repairs and/or replacement. These valves are the means to control the system by turning areas on and off for maintenance, and in using these locations since they were originally placed are in need of replacement. This replacement is also key for performing future larger replacements of the lines that will also be reaching their end of life over the next several years. This project is intended to restore the functionality of these valves by replacing the valves with better materials with a longer life span. In addition, several of the pits that contain the valves were buried during home construction or afterwards by home owners, this project will restore the missing access to those that were lost over time.

This project received three bids from Haven's Construction, Kissick Construction, and She Digs It as a published bid. Haven's Construction was the low bid on the project for the amount of \$162,995.00. Haven's Construction has an extensive history of doing work with the city both under contract and for developers with a reputation for quality work with City staff.

Award of the Bid and the associated Contract would be accomplished by adoption of the proposed Resolution (attached) by the Board of Aldermen. The proposed Resolution also authorizes the City Administrator to approve change orders not to exceed 10% of the total value of the contract (\$16,299.50).

The work for this project is planned to be performed this summer and fall.

STRATEGIC GOAL(S):

- Infrastructure and Public Facilities

BUDGET IMPACT:

The Sewer Fund includes \$155,000 for Sanitary Sewer Repairs in the line item 30-501-06-42-00 on page 66 of the 2025 Budget.

ALTERNATIVES:

1. Approve the item.
2. Approve the item, subject to changes.
3. Do not approve the item.
4. Postpone the item.

STAFF RECOMMENDATION:

Staff recommends awarding the Project to Haven's Construction, Inc. in the bid amount of \$162,995.00.

POLICY:

The Purchasing Policy, Resolution No. 23-016, requires Board of Aldermen approval for all expenses above \$50,000, upon recommendation of the Finance Committee.

SUGGESTED MOTION:

I move to recommend that the Board of Aldermen approve a resolution awarding the bid for the 2025 Concrete Curb and Sidewalk Repair Project to Haven's Construction, Inc. in the amount of \$162,995.00 and authorizing the Mayor to execute an agreement for the same.

ATTACHMENTS:

1. Draft Resolution
2. Agreement
3. Bid Tabulation
4. Plans



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

**CITY OF PARKVILLE, MO.
RESOLUTION No. 25-0**

A RESOLUTION AWARDING THE BID FOR THE 2025 SANITARY SEWER REPAIRS PROJECT TO HAVEN'S CONSTRUCTION, INC. IN THE AMOUNT OF \$162,995.00 AND AUTHORIZING THE MAYOR TO EXECUTE AN AGREEMENT FOR THE SAME

WHEREAS, the City performs regular maintenance to its sanitary sewer collection system; and

WHEREAS, the City designed and planned the 2025 Sanitary Sewer Repairs Project (the "Project"), and issued a request for bids for the Project in accordance with applicable law; and,

WHEREAS, Haven's Construction, Inc. (hereinafter "Contractor") was determined to be the lowest and best bidder by City staff; and

WHEREAS, the City desires to enter into an agreement with the Contractor to construct the Project.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF PARKVILLE, MISSOURI, that the Board of Aldermen of the City of Parkville hereby awards the bid for the 2025 Concrete Curb and Sidewalk Repair Project to the Contractor in the amount of \$162,995.00; and

BE IT FURTHER RESOLVED THAT the Agreement between the City of Parkville and Haven's Construction, Inc. for the 2025 Concrete Curb and Sidewalk Repair Project is hereby approved, and the Mayor is hereby authorized to execute the same on behalf of the City in substantially the same form as is attached to this Resolution; and

BE IT FURTHER RESOLVED THAT the City Administrator is authorized to approve and execute Change Orders to the Construction Contract up to ten percent of the original Contract price (\$16,299.50).

IN TESTIMONY WHEREOF, I have hereunto set my hand, in the City of Parkville this ____ day of July 2025.

Mayor Dean Katerndahl

ATTEST:

City Clerk Melissa McChesney

EXHIBIT A – AGREEMENT

DRAFT

CITY OF PARKVILLE, MO

**AGREEMENT BETWEEN CITY OF PARKVILLE
AND CONTRACTOR
FOR PUBLIC IMPROVEMENT OF:
SANITARY SEWER REPAIRS - 2025**

This agreement is made and entered into this _____ day of _____ 2025, by and between the City of Parkville, Missouri, (hereinafter the "City") and Havens Construction Co. 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 **ONE HUNDRED SIXTY TWO THOUSAND NINE HUNDRED NINETY-FIVE DOLLARS AND NO/100 (\$162,995.00)** (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, dated _____.

CITY OF PARKVILLE, MISSOURI

Dean Katerndahl, Mayor

ATTEST:

Melissa McChesney, City Clerk

HAVENS CONSTRUCTION CO., INC.

By _____

(SEAL)

Title

(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 TABULATION

Sanitary Sewer Repairs, 2025
Bid Opening Tuesday, June 24, 2025
10:05 a.m., City Hall

Bidder Name	TOTAL
*Havens Construction Co., Inc. Liberty MO	\$162,995.00
Kissick Const. Co., Inc. KCMO	\$193,909.00
She Digs It LLC Blue Springs, MO	\$164,975.00

(*) Recommended Award of Purchase

CITY OF PARKVILLE, MISSOURI

SANITARY SEWER REPAIRS - 2025



SHEET LIST:

- 1. TITLE SHEET & NOTES
- 2. GENERAL NOTES
- 3. LOCATION MAP
- 4. PLAN - SEWER REPAIRS AT #1317 MAIN ST.
- 5. PLAN - SEWER REPAIRS AT PINECREST PUMP STA.
- 6. MAP - LPS PIT REPAIRS - LAKEVIEW DR.
- 7. MAP - LPS PIT REPAIRS - COVE VIEW CT.
- 8. MAP - LPS PIT REPAIRS - SPINNAKER PTE.
- 9. MAP - LPS PIT REPAIRS - SLEEPY HOLLOW DR.
- 10. MAP - LPS PIT REPAIRS - TRAIL RIDGE DR.
- 11. MAP - LPS PIT REPAIRS - MEADOW LAKE DR.
- 12. MAP - LPS PIT REPAIRS - TIMBER RIDGE DR.
- 13. MAP - LPS PIT REPAIRS - TWILIGHT PLC.
- 14. MAP - LPS PIT REPAIRS - TIMBER CREST PLC.
- 15. MAP - LPS PIT REPAIRS - SOUTHLAKE DR.
- 16. MAP - LPS PIT REPAIRS - WEST SHORE ESTATES
- 17. MAP - LPS PIT REPAIRS - JULIAN DR.
- 18. TABLE - LPS VALVE PIT GRADE ADJUSTMENTS
- 19. 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. Set up VMB'S one week prior, and notify affected residents for Main St. Repair.
- 8. Begin work on the #1317 Main St. repair. Complete repair and backfill to restore traffic flow.
- 9. Perform pavement restoration for #1317 Main St. repair.
- 10. Complete sewer repair at Pinecrest Pump Station.
- 11. Notify affected residents in Riss Lake, for the LPS valve pit grade adjustments.
- 12. Perform LPS valve pit grade adjustments in Riss Lake.
- 13. 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 M/A Engineering, Inc. features the letters "MAE" in a stylized, green, cursive font, with a green wave graphic below it.

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

CL#2012038740

A circular professional engineer seal for the State of Missouri. It contains the text "STATE OF MISSOURI", "JAY E. NORCO", "REGISTERED PROFESSIONAL ENGINEER", and "NUMBER E-29748". There is a blue ink signature over the seal.

Jay E. Norco E-29748

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

SANITARY SEWER REPAIRS - 2025
TITLE SHEET & NOTES

Design:	Drawn: JEN
Date:	3-21-25
Sheet:	1 of 19

GENERAL NOTES:

1. This contract includes the repair of existing sanitary sewers, installation of new sanitary sewer manholes, 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 \$75.00 for a general contractor and \$50.00 for each subcontractor.
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:

NAME

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
Platte Co. Regional Sewer District (Sanitary Sewer)
Missouri American Water Co.

TELEPHONE NUMBER:

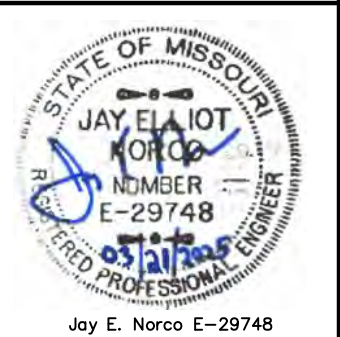
741-7676
471-5275
800-222-0400
314-342-0810 OR 800-582-0000(EMERGENCY)
358-5360
800-Dig-Rite
858-2052
741-2992

Revisions											
No.	Date	Description									



NORTH HILLS ENGINEERING, INC., northhillseng@gmail.com,
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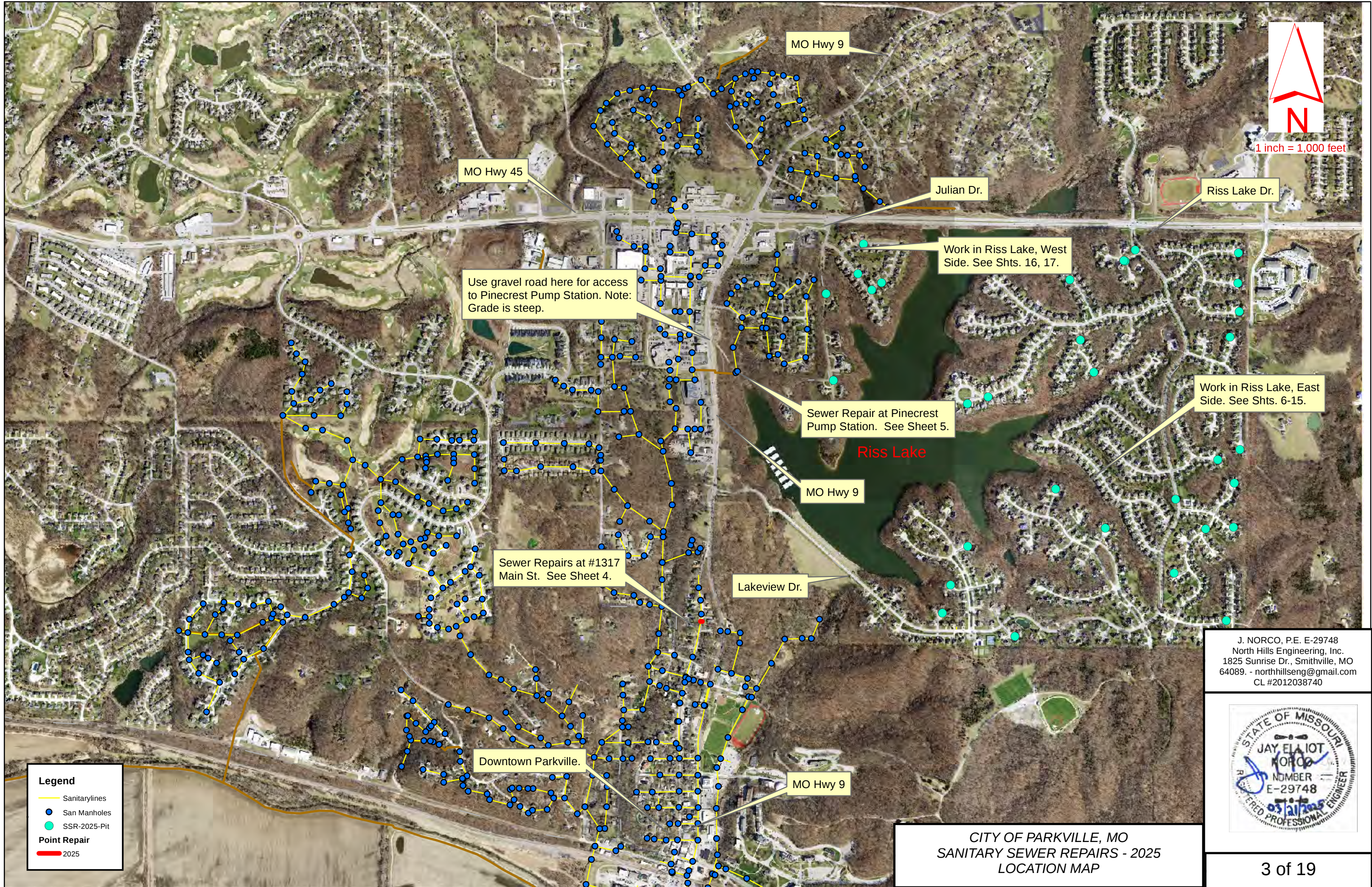
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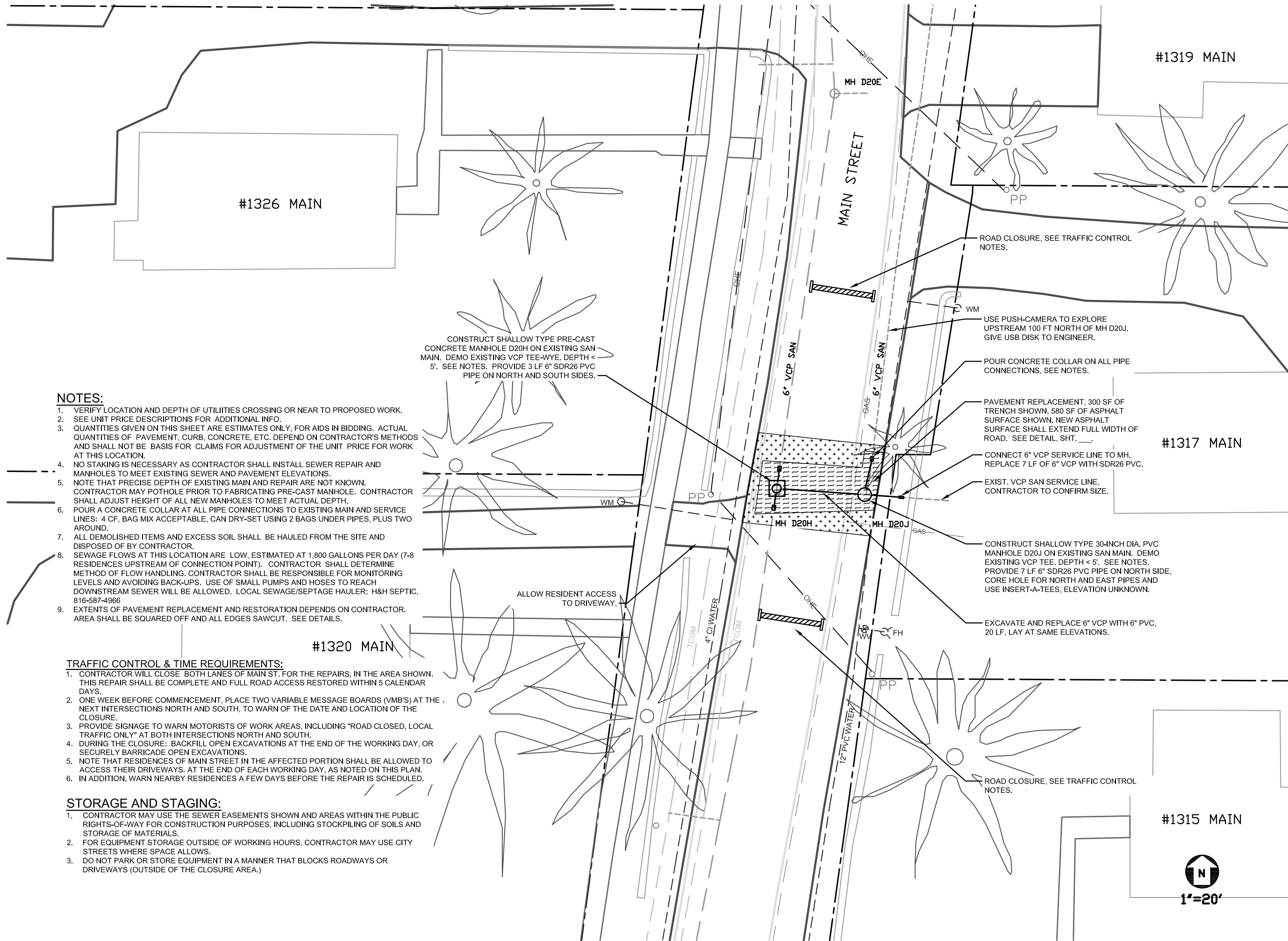


CITY OF PARKVILLE, MO
8880 CLARK AVE. - PARKVILLE, MO 64152

SANITARY SEWER REPAIRS - 2025
GENERAL NOTES

Design:	Drawn: JEN
Date:	3-21-25
Sheet:	2 of 19





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 MANHOLES TO MEET EXISTING SEWER AND PAVEMENT ELEVATIONS.
5. NOTE THAT PRECISE DEPTH OF EXISTING MAIN AND REPAIR ARE NOT KNOWN. CONTRACTOR MAY POT HOLE PRIOR TO FABRICATING PRE-CAST MANHOLE. CONTRACTOR SHALL ADJUST HEIGHT OF ALL NEW MANHOLES TO MEET ACTUAL DEPTH.
6. POUR A CONCRETE COLLAR AT ALL PIPE CONNECTIONS TO EXISTING MAIN AND SERVICE LINES: 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.

TRAFFIC CONTROL & TIME REQUIREMENTS:

1. CONTRACTOR WILL CLOSE BOTH LANES OF MAIN ST. FOR THE REPAIRS, IN THE AREA SHOWN. THIS REPAIR SHALL BE COMPLETE AND FULL ROAD ACCESS RESTORED WITHIN 5 CALENDAR DAYS.
2. ONE WEEK BEFORE COMMENCEMENT, PLACE TWO VARIABLE MESSAGE BOARDS (VMB'S) AT THE NEXT INTERSECTIONS NORTH AND SOUTH, TO WARN OF THE DATE AND LOCATION OF THE CLOSURE.
3. PROVIDE SIGNAGE TO WARN MOTORISTS OF WORK AREAS, INCLUDING "ROAD CLOSED, LOCAL TRAFFIC ONLY" AT BOTH INTERSECTIONS NORTH AND SOUTH.
4. DURING THE CLOSURE: BACKFILL OPEN EXCAVATIONS AT THE END OF THE WORKING DAY, OR SECURELY BARRICADE OPEN EXCAVATIONS.
5. NOTE THAT RESIDENCES OF MAIN 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. IN ADDITION, WARN NEARBY RESIDENCES A FEW DAYS BEFORE THE REPAIR IS SCHEDULED.

STORAGE AND STAGING:

1. CONTRACTOR MAY USE THE SEWER EASEMENTS 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.)

Revisions	
No.	Description

N/AE
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CL#2012038740



Jay E. Norco E-29748

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

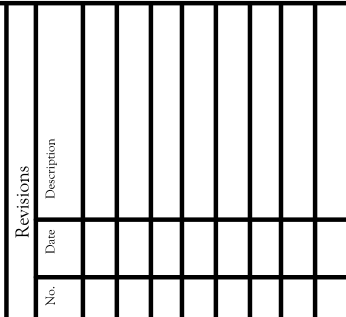
SANITARY SEWER REPAIRS - 2025
PLAN - SEWER REPAIRS
AT #1317 MAIN ST.

Design:	Drawn: JEN
Date:	3-21-25
Sheet:	4 of 19

1. LOCATION OF EXISTING BURIED PIPES AND UTILITIES IS ACCORDING TO BEST INFORMATION AVAILABLE. CONTRACTOR SHALL POTHOLE TO VERIFY SIZE AND LOCATION PRIOR TO MAKING CONNECTION.
2. FOR SEQUENCE OF CONSTRUCTION REFER TO THIS SHEET OF DRAWINGS.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUITY OF WASTEWATER PUMPING AND AVOIDANCE OF SANITARY SEWER OVERFLOWS.
4. CITY WILL FURNISH USE OF BYPASS PUMP, FOR UP TO 3 WORKING DAYS: ENGINE-DRIVEN SELF-PRIMING TYPE, WITH MINIMUM CAPACITY OF 225 GPM, AND ESTIMATED TDH = 90 FEET. SUPPLIER SHALL SUBMIT CAPACITY CALCULATIONS TO ENGINEER FOR APPROVAL. PUMP WILL BE EQUIPPED WITH LEVEL CONTROLS FOR AUTOMATIC OPERATION. CONTRACTOR SHALL MONITOR PUMP AND KEEP FUELED.

THE FOLLOWING SEQUENCE OF WORK IS SUGGESTED BY ENGINEER. CONTRACTOR MAY PRESENT AN ALTERNATE SEQUENCE OF WORK. TO BE APPROVED BY ENGINEER.

1. TAKE DELIVERY OF MATERIALS FOR REPAIRS.
2. NOTIFY CITY FOR DATE OF REPAIR. CITY WILL DELIVER AND SET UP BYPASS PUMP, CONTRACTOR SHALL ASSIST.
3. INSTALL INFLATABLE PLUG IN EXISTING 8" SEWER PIPE IN MANHOLE E01.
4. CITY WILL TAKE PUMP STATION OFF LINE.
5. CLEAN AND DRAIN PUMP STATION.
6. BRACE EXISTING ELECTRICAL SERVICE POLE.
7. EXCAVATE AND PERFORM POINT REPAIR ON GRAVITY SEWER NEXT TO EXISTING PUMP STATION WETWELL. GROUT NEW PIPE INTO WETWELL WALL. APPLY TOUCH-UP EPOXY AROUND NEW PIPE IN WETWELL.
8. CITY WILL REMOVE BYPASS PUMP.
9. REPLACE EXISTING FRAMES & LIDS ON MANHOLES E01 AND E02.
10. COMPLETE RESTORATION BY DUMPING AND SPREADING GRAVEL.



CL#2012038740



SANITARY SEWER REPAIRS – 2025
PLAN – SEWER REPAIRS
AT PINECREST PUMP STA.

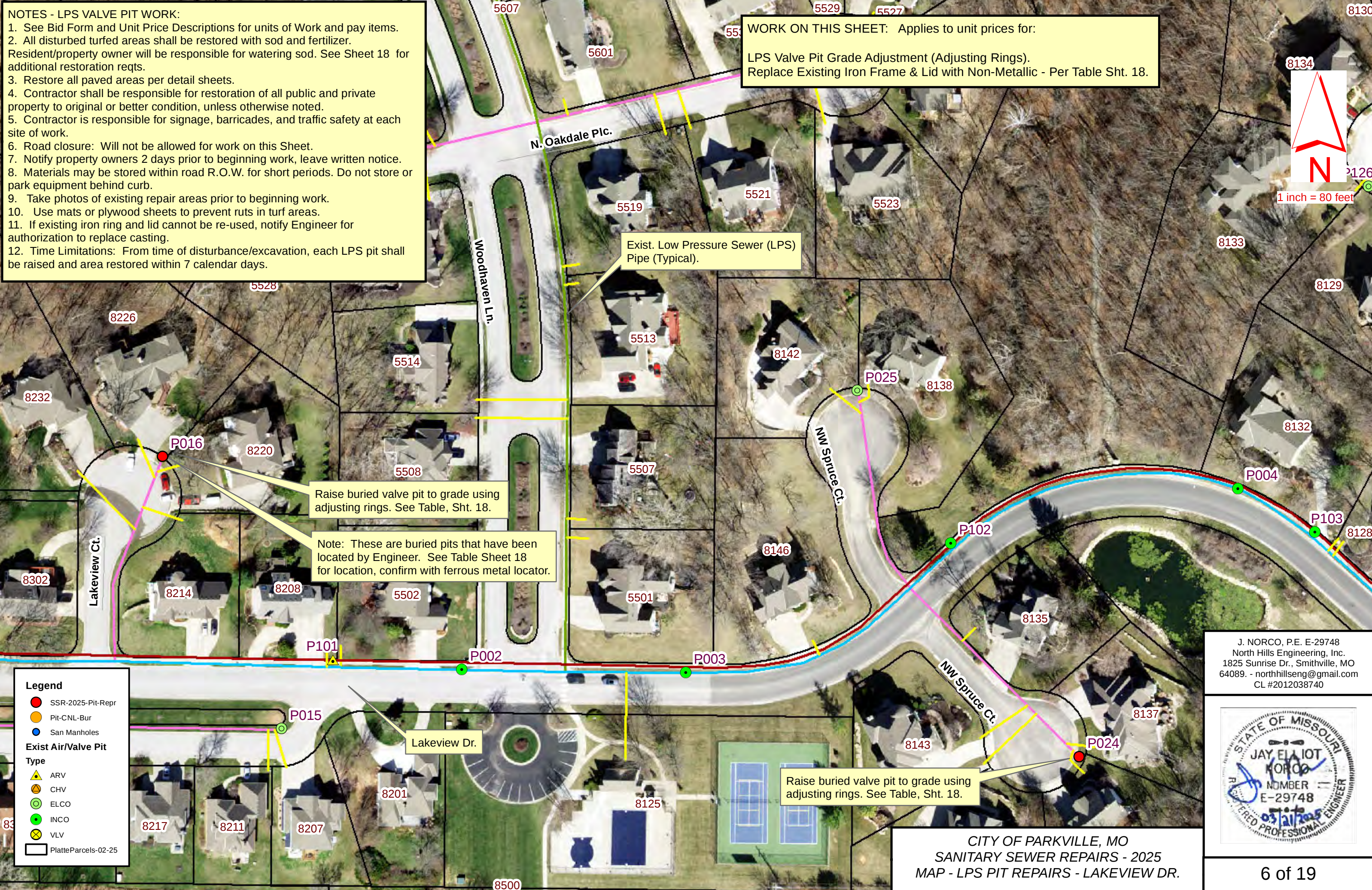
Design:	Drawn: JEN
Date:	3-21-25
Sheet:	5 of 19

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 18 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. 18.



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STATE OF MISSOURI
JAY ELA IOT
NORCO
NUMBER
E-29748
REGISTERED PROFESSIONAL ENGINEER

6 of 19

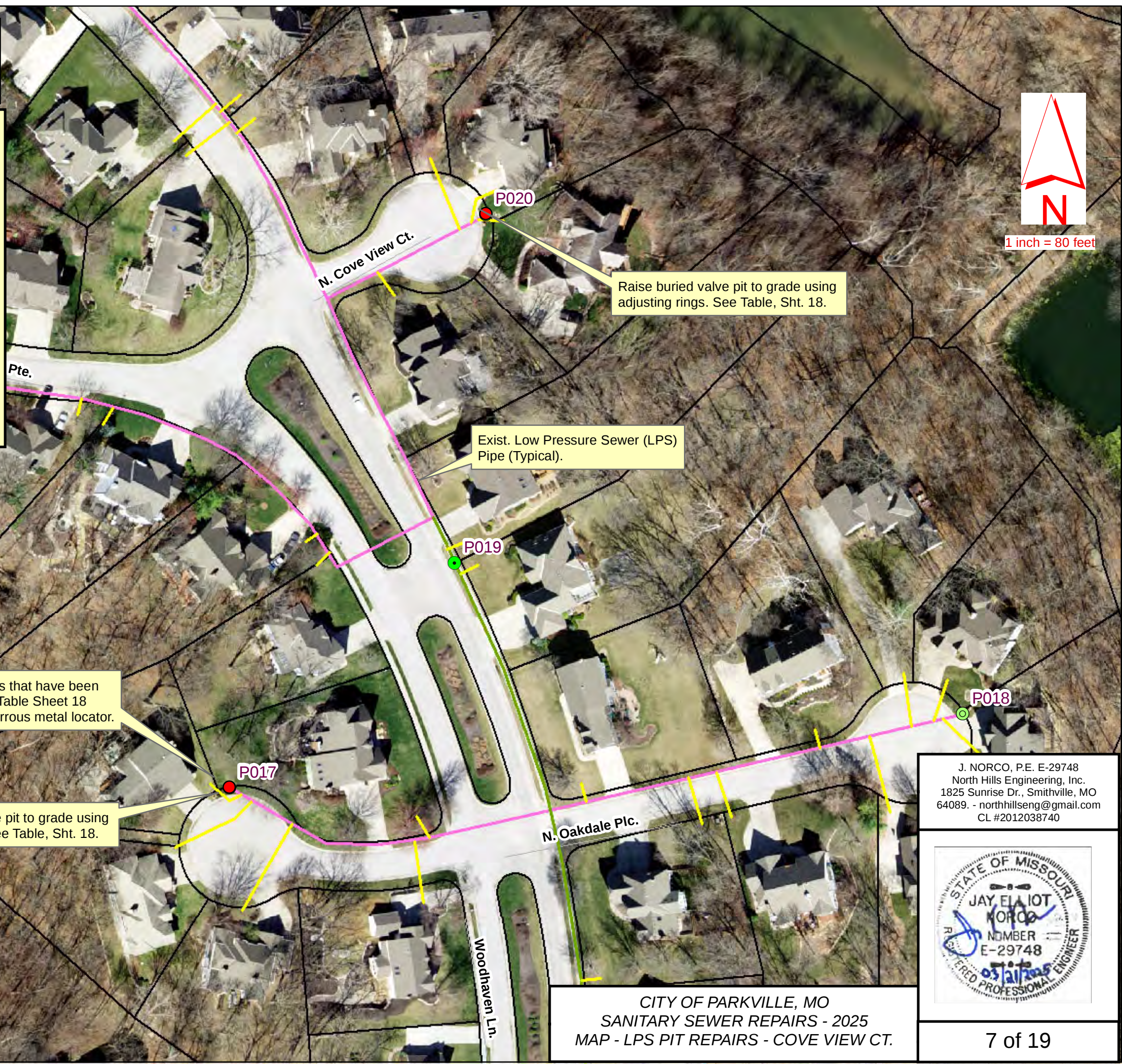
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Replace Existing Iron Frame & Lid with Non-Metallic - PerTable Sht. 18.

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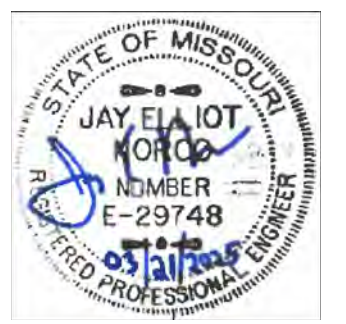
1 inch = 80 feet



Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit
- Type
- ARV
- CHV
- ELCO
- INCO
- VLV
- PlatteParcels-02-25

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
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.
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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. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

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

Note: These are buried pits that have been located by Engineer. See Table Sheet 18 for location, confirm with ferrous metal locator.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit Type
 - ARV
 - CHV
 - ELCO
 - INCO
 - VLV
- PlatteParcels-02-25

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
MAP - LPS PIT REPAIRS - SPINNAKER PTE.

NOTES - LPS VALVE PIT WORK:

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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. 18.



1 inch = 100 feet



Legend

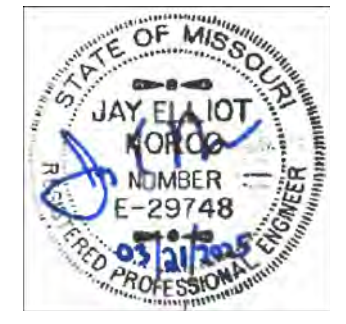
- SSR-2025-Pit-Repr (Red circle)
- Pit-CNL-Bur (Orange circle)
- San Manholes (Blue circle)

Exist Air/Valve Pit Type

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

PlatteParcels-02-25 (Black outline)

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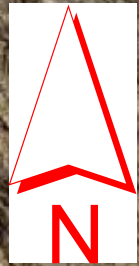
CITY OF PARKVILLE, MO
 SANITARY SEWER REPAIRS - 2025
 MAP - LPS PIT REPAIRS - SLEEPY HOLLOW DR.

NOTES - LPS VALVE PIT WORK:

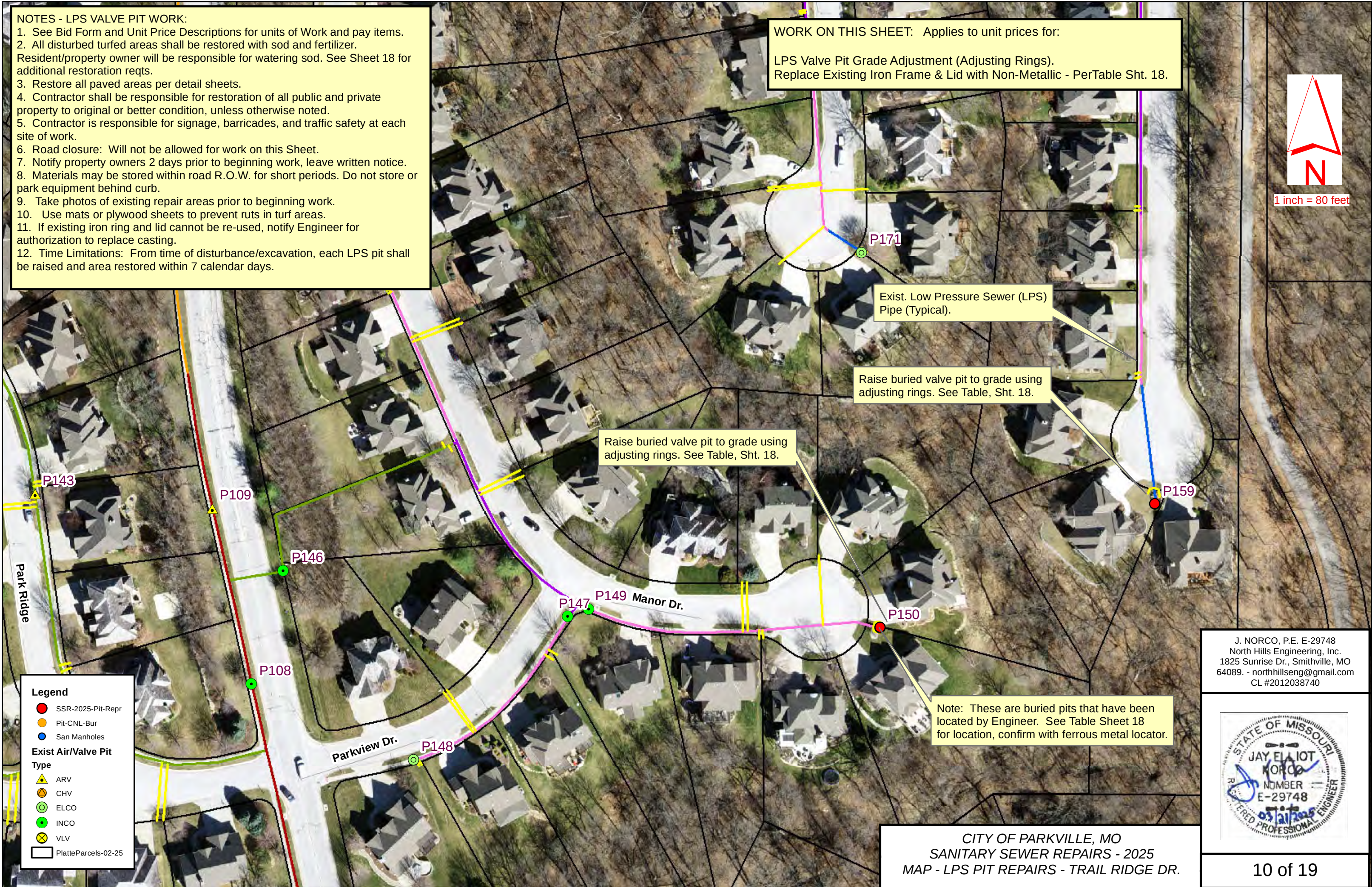
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WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - PerTable Sht. 18.



1 inch = 80 feet



Legend

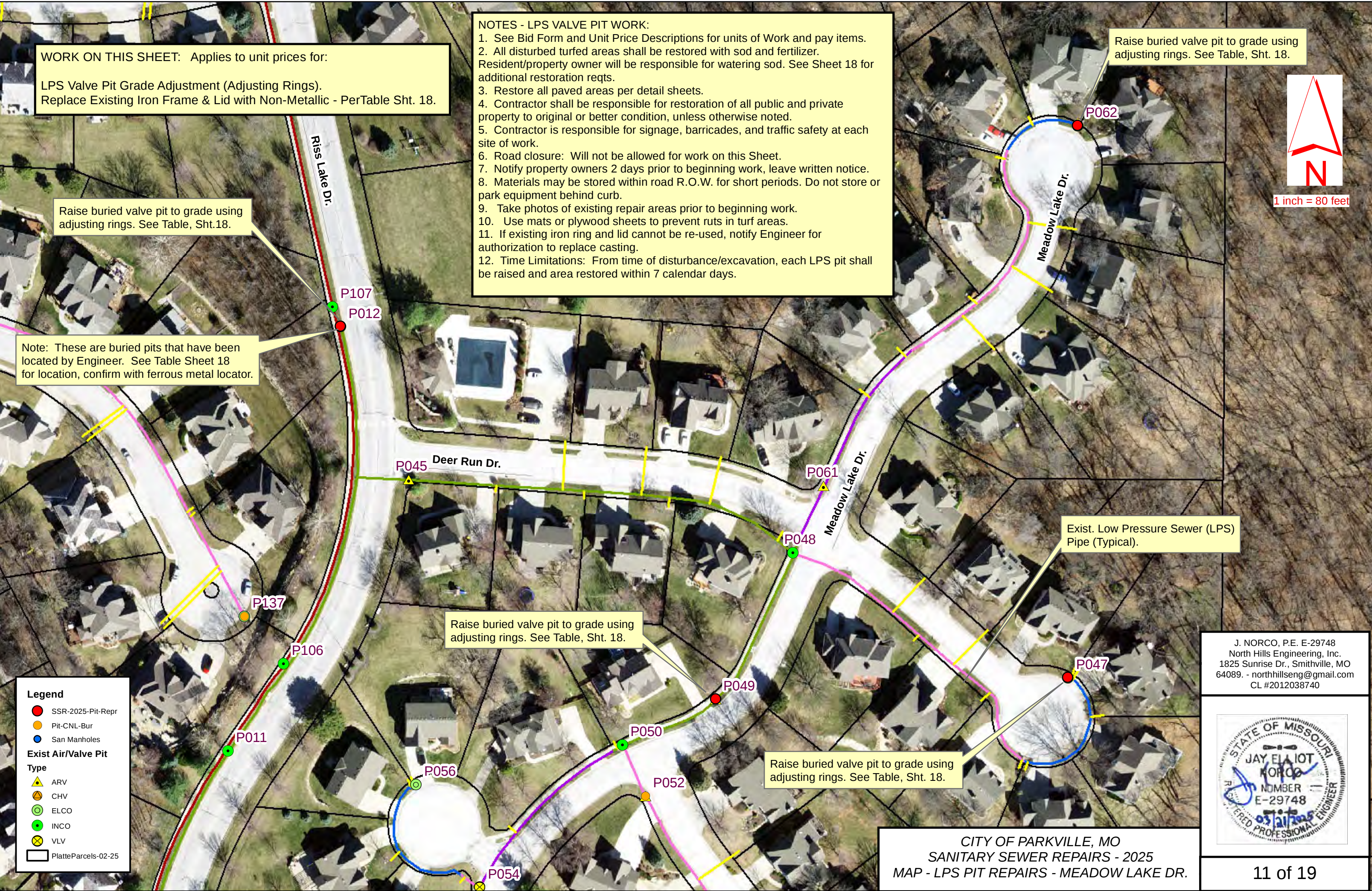
- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit Type
- ARV
- CHV
- ELCO
- INCO
- VLV
- PlatteParcels-02-25

Note: These are buried pits that have been located by Engineer. See Table Sheet 18 for location, confirm with ferrous metal locator.

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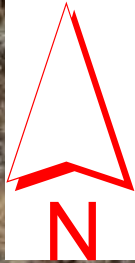
CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
MAP - LPS PIT REPAIRS - TRAIL RIDGE DR.



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. 18.

- NOTES - LPS VALVE PIT WORK:
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Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.



1 inch = 80 feet

Raise buried valve pit to grade using adjusting rings. See Table, Sht.18.

Note: These are buried pits that have been located by Engineer. See Table Sheet 18 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. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit
- Type
 - ARV
 - CHV
 - ELCO
 - INCO
 - VLV
- PlatteParcels-02-25

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
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.
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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. 18.

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

Raise buried valve pit to grade using
adjusting rings. See Table, Sht. 18.

Note: These are buried pits that have been
located by Engineer. See Table Sheet 18
for location, confirm with ferrous metal locator.

Raise buried valve pit to grade using
adjusting rings. See Table, Sht. 18.

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit
- Type
- ARV
- CHV
- ELCO
- INCO
- VLV
- PlatteParcels-02-25

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
MAP - LPS PIT REPAIRS - TIMBERRIDGE DR.

12 of 19

NOTES - LPS VALVE PIT WORK:

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LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

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

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit
- Type
- ARV
- CHV
- ELCO
- INCO
- VLV
- PlatteParcels-02-25

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
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 18 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. 18.

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes

Exist Air/Valve Pit

Type

- ARV
- CHV
- ELCO
- INCO
- VLV

PlatteParcels-02-25

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Note: These are buried pits that have been located by Engineer. See Table Sheet 18 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. 18.



1 inch = 80 feet

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
MAP - LPS PIT REPAIRS - TIMBERCREST 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 18 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. 18.

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit
- Type
- ▲ ARV
- ▲ CHV
- ELCO
- INCO
- VLV
- PlatteParcels-02-25

Note: These are buried pits that have been located by Engineer. See Table Sheet 18 for location, confirm with ferrous metal locator.

Southlake Dr.

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

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.



1 inch = 60 feet

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
MAP - LPS PIT REPAIRS - SOUTHLAKE DR.

15 of 19

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 18 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. 18.

Note: These are buried pits that have been located by Engineer. See Table Sheet 18 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. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Raise buried valve pit to grade using adjusting rings. See Table, Sht. 18.

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes
- Exist Air/Valve Pit Type
 - ▲ ARV
 - ▲ CHV
 - ELCO
 - INCO
 - VLV
- PlatteParcels-02-25



1 inch = 80 feet

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
MAP - LPS PIT REPAIRS - WEST SHORE EST.

16 of 19

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 18 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.

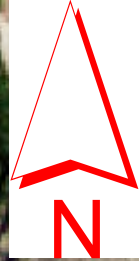
WORK ON THIS SHEET: Applies to unit prices for:

LPS Valve Pit Grade Adjustment (Adjusting Rings).
Replace Existing Iron Frame & Lid with Non-Metallic - Per Table Sht. 18.

Note: These are buried pits that have been located by Engineer. See Table Sheet 18 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. 18.



1 inch = 30 feet

Legend

- SSR-2025-Pit-Repr
- Pit-CNL-Bur
- San Manholes

Exist Air/Valve Pit Type

- ▲ ARV
- ▲ CHV
- ELCO
- INCO
- VLV
- PlatteParcels-02-25

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CITY OF PARKVILLE, MO
SANITARY SEWER REPAIRS - 2025
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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8880 CLARK AVE. - PARKVILLE, MO 64152

SANITARY SEWER REPAIRS - 2025
TABLES- LPS VALVE PIT
GRADE ADJUSTMENTS

Design:	Drawn: JEN
Date:	3-21-25
Sheet:	18 OF 19

1. ASPHALTIC CONCRETE MIX SHALL CONFORM TO APWA SECTION 02200, SURFACE MIX TYPE 5-01 (SUPERPAVE).
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, MILLING, 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 AN 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.



1. SHALLOW PVC MANHOLES SHALL BE FABRICATED FROM PVC SOLID-WALL PIPE. SHALL BE ADS "NYLOPLAST" DRAIN BASIN, OR ENGINEER APPROVED EQUAL. BASIN AND LID/FRAME SHALL BE H20 RATED FOR ROADWAY SERVICE.
2. LID AND FRAME SHALL BE DUCTILE IRON PER ASTM A536 GRADE 7-50-05.
3. DEPTH SHOWN IS TO EXISTING LINE. MAINTAIN SLOPE THROUGH MANHOLE.
4. DEPTH SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST DEPTH AS REQUIRED TO MEET ACTUAL DEPTH. BY TRIMMING PVC BARREL AFTER STRUCTURE IS SET AND PARTIALLY BACKFILLED.
5. WORK INCLUDES CONNECTING EXISTING SEWER LINES BY REPLACING A SHORT SECTION PIPE IN EACH DIRECTION. FOR BRANCH LINES PROVIDE VERTICAL BENDS IF REQUIRED.

SHALLOW SEWER MANHOLE - PVC

SHALLOW CONCRETE MANHOLE NOTES:

1. SHALLOW MANHOLES SHALL USE SAME CHIMNEY WRAP AS FOR STANDARD MANHOLES. SHALLOW MANHOLES SHALL USE BUTYL RUBBER ROPE SEALANT AT ALL FIELD JOINTS, INCLUDING LIDS AND ADJUSTING RINGS.
2. DEPTH SHOWN IS TO EXISTING LINE. MAINTAIN SLOPE THROUGH MANHOLE.
3. DEPTH SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST DEPTH AS REQUIRED TO MEET ACTUAL DEPTH, USING ADJUSTING RINGS AND/OR BY SETTING DEPTH OF BOX.
4. WORK INCLUDES CONNECTING EXISTING SEWER LINES BY REPLACING A SHORT SECTION PIPE IN EACH DIRECTION. FOR BRANCH LINES PROVIDE VERTICAL BENDS IF REQUIRED.



RAISED CASTING SHALL SIT 1'-2"
HIGHER THAN ADJACENT GRADE. IN
TURFED AREAS: TRANSITION BACKFILL
TO NEW CASTING.

GRADE EARTH SMOOTH, SPREAD
PULVERIZED BLACK DIRT 1" THICK, RESTORE
WITH SOD IN ESTABLISHED TURF AREAS,
SEED & STRAW IN OTHER AREAS (UNLESS
NOTED OTHERWISE IN TABLE).

FOR NON-METALLIC CASTING: DRILL
& INTALL FOUR 6" L x 5/8"Ø SS EXP.
BOLTS OR EPOXY ANCHORS, TO
ANCHOR FRAME IN PLACE.

EXISTING MH CONE SECTION.

RE-USE EXISTING CASTING WHERE ALLOWED.
WHERE REQUIRED PER TABLES: INSTALL NEW
NON-METALLIC FRAME & COVER. (SEE SPEC.'S
BELOW).

— ADD CONCRETE ADJUSTING RINGS , AS REQD. PER TABLE. USE TWO ROPES OF 3/4" BUTYL ROPE SEALANT ABOVE AND BELOW RING. FOR GRAVITY SEWER MANHOLES: APPLY EXTERNAL JOINT WRAP (9" GATOR WRAP).

— EXIST. ADJ. RINGS TO REMAIN,
UNLESS DAMAGED, THEN NOTIFY
ENGINEER FOR AUTHORIZATION TO
REPLACE.

NON-METALLIC CASTINGS:

1. SHALL BE COMPRESSION MOLDED THERMOSET COMPOSITE, WITH EMBEDDED STEEL TO BE DETECTABLE BY STANDARD METAL DETECTORS.
2. PASSING AASHTO M-306 H20/H25 PROOF LOAD.
3. COVER RETAINED BY FOUR 316 SS PENTA-HEAD BOLTS.
4. WATERTIGHT DESIGN WITH GASKETED LID SEAL.
5. TWO 316 SS PICK HOLE INSERTS.
6. BEARING CITY OF PARKVILLE LOGO ON LID.
7. 24-INCH CLEAR OPENING IN FRAME, WITH FRAME 4.62 INCHES TALL.
8. COMPOSITE ACCESS PRODUCTS "CAP ONE".
9. FURNISH OWNER WITH FOUR PENTA-HEAD SOCKET ADAPTERS.

EXISTING MH GRADE ADJUSTMENT & CASTING REPLACEMENT (NON-METALLIC)

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



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SANITARY SEWER REPAIRS – 2025 MISCELLANEOUS DETAILS

Design:	Drawn: JEN
Date:	4-03-25
Sheet:	19 of 19