



July 30, 2024

City Staff  
City of Montgomery  
101 Old Plantersville Rd.  
Montgomery, Texas 77316

Re: Estates of Lake Creek-Storm Sewer CCTV Videos  
Infrastructure Acceptance  
City of Montgomery

Dear Staff:

It is our understanding that the City of Montgomery has received a request from the Estates of Lake Creek for acceptance of their private roadways. To initiate the process, we understand the City requires an inspection to ensure that the storm sewer system along the roadway meets City standards, to reduce the maintenance and operating costs incurred by the City in the future.

Based on our review of the CCTV videos provided by Estates of Lake Creek HOA of the interior of the storm sewer system, we have determined the condition of the system is not acceptable under City requirements. Figures 1-3 following this letter, are examples of problem areas identified during the inspection.

We recommend the following repairs prior to the City accepting the referenced storm sewer facilities:

- Replace all HDPE storm piping with Reinforced Concrete Pipe.
- Heavy clean all piping with deposits of debris causing a restriction of flow.
- Removal of all large obstructions located within pipes or manholes.
- Replacement of all piping with holes or moderate to significant cracking.

Following rehabilitation, the City Engineer will need to complete a subsequent review of the interior of the pipes. Additionally, the next CCTV submission must match the storm sewer pipe and structure convention of the approved construction plans for each subdivision section. Please note that consideration of the private roadways was not taken into account during this review.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Katherine Vu".

Katherine Vu, PE  
City Engineer

KMV/akg;bra

Z:\00574 (City of Montgomery)\\_900 General Consultation\Correspondence\Letters\2024\2024.07.30 MEMO to Staff RE Estates of LC STM CCTV Review.docx

Below are images depicting significant issues identified during the storm sewer inspection:

**Pipe: Upstream Manhole 2A - Downstream Manhole 2B**



Figure 1: Rock Buildup

**Pipe: Upstream Manhole 2B - Downstream Outfall 2**



Figure 2: Rebar Penetration

**Pipe: Upstream Manhole 2B - Downstream Outfall 2**



Figure 3: Utility Line Penetration

Other Identified Issues:

