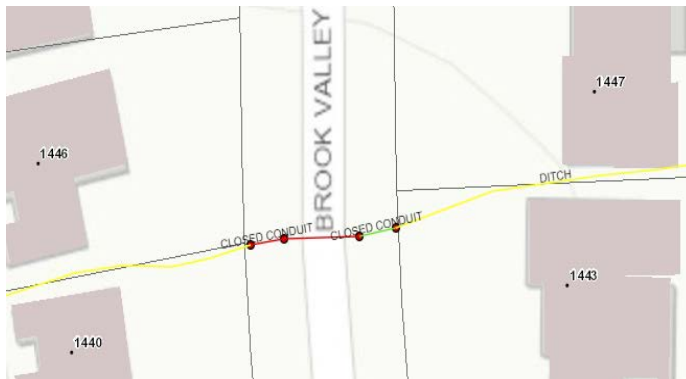


Listed in order of priority. Most projects reflect a HIGH PRIORITY status from MS4 inspections, while others have been identified by other means. Prioritization takes into account the following factors: Condition, relative stability of condition, location, consequence of failure (public safety, safety of structures, impact of failure on public, emergency access, etc.), construction disruption and difficulty, and probable cost.

Note: FID stands for Facility ID

- 1. Brook Valley Ln Drainage Rehabilitation.** *Priority: HIGH.* There are two areas on Brook Valley Ln with similar pipe/structure issues, therefore, this will be treated as a single project.



Area A is located near 1443 and 1440 Brook Valley Ln. A sinkhole has developed in the pavement in front of the east (U/S) CB (FID 21234) at 1443 Brook Valley Ln. The CB is a non-standard square concrete top with no access. The location of the sinkhole signifies some type of failure of the RCP (FID 31149) under the road. The inspection photo shows the pipe out of alignment. The D/S CB (FID 21221) is also a non-standard square concrete top. Replacement of the pipe may necessitate the replacement of both structures and tops. New GDOT Type 1033 structure tops should be installed. The RCP discharge pipe (FID 31019) from the CB and the HW demonstrate disrepair by erosion and should be repaired/replaced with a mitered end section. Energy dissipation measures should be installed on the D/S side.



The second area, Area B is located south on Brook Valley Ln. CB (FID 21223) is of masonry construction and the square concrete top is too large for the CB. The mouth/throat of the CB appear to be too small, as seen by sediment accumulation in the gutter. From the east is a 8” terra cotta pipe (FID 31111), and to the west is a bituminous CMP (FID 31110), possibly an arch pipe (15” x 21”) or a partially crushed round pipe (24”). The flowline of the pipe is corroded and requires replacement. The D/S CB (FID 21215) is brick masonry structure with a square top. Both structures should be replaced with larger throats and GDOT 1034 tops. The D/S RCP should be inspected with CCTV. The inspection photos indicate the 18” RCP is out of alignment and may have displaced joints.

2. **1169/1166 Wild Creek Trl Drainage Rehabilitation.** *Priority: High.* The RCP culvert (FID 31189) under Wild Creek Trail at these addresses is misaligned. Gaps in the joints appear to be present, and the alignment is wavy. At the upstream CB (FID 21270), a cast iron hood inlet, subsidence in the pavement is present, indicating a loss of backfill material adjacent to the CB. The pavement in front of the D/S CB (FID 21273), also a CI hood inlet, also shows signs of subsidence and is in a progressive failure mode. Both inlets and tops should be replaced with standard GDOT structures and tops. The pipe foundation soils should be rebuild, and the RCP pipe should be repaired / relaid in a straight alignment with consistent slopes. The trench should be backfilled and compacted.

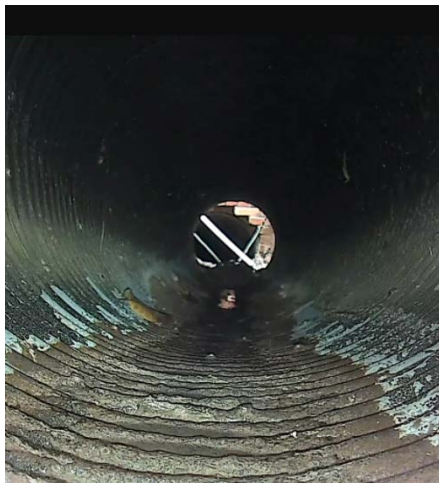
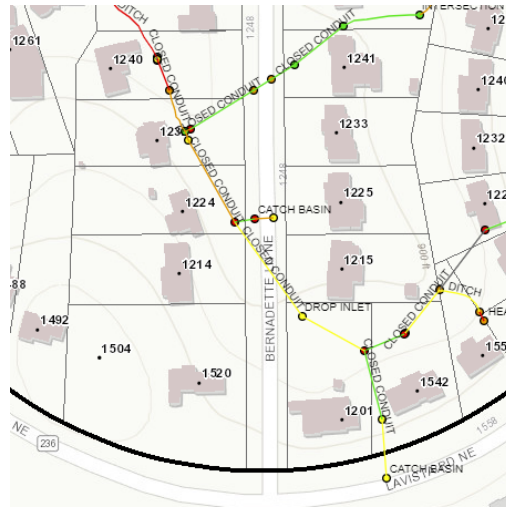


3. **Merriman Lane Drainage Rehabilitation.** *Priority: High.* Two small inlets (east CB: FID 15714 and west CB FID 21277) drain the lower part of Merriman Ln. Each are



undersized and have no access for inspection or maintenance. The 18” culvert under Merriman is over ½ full with aggregate and other debris. The CB on the opposite side of the street is buried. The culvert at the west end of the street is buried and inspection / maintenance are not possible. Both sets of structures and pipe should be replaced with 18” RCP and median inlets.

- 4. Bernadette Ln Drainage Rehabilitation.** *Priority: High.* The catch basin (FID 21261) at 1224 Bernadette Ln is dilapidated and requires replacement. The bituminous coating on the CMP cross culvert (FID 31187) has worn off allowing surface corrosion to grow.



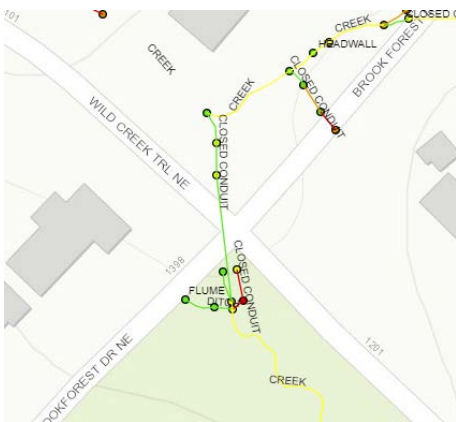
In places the corroded CMP is pitted/has holes in it. There is a belly in the downstream side of the pipe indicating subsidence or bedding/backfill erosion. The pipe should be replaced or lined. The upstream structure too should be replaced with standard GDOT structures, throats and tops.

- 5. Mayfair Ln Drainage Rehabilitation.** *Priority: High.* The pavement area in front of catch basin (FID 21211) at 1230 Mayfair Ln exhibits signs of base, bedding, and/or pipe failure. Both the catch basin and the RCP (FID 31086) cross culvert require replacement / rehabilitation. The RCP appears to be in good condition, but there appears to be joint separation that should be rehabilitated. CIPP lining may be a good

candidate for rehabilitation of the RCP pipe culvert. The CB should be replaced with a GDOT standard structure. The discharge pipe and end section should be



6. **LaVista Park Discharge Weir Rehabilitation.** *Priority: Medium.* The area around the weir over the creek at the north corner of LaVista Park (Wild Creek Trail at Brook



Forest Dr) in LaVista Park has eroded and requires rehabilitation. The weir was installed by DeKalb County several years ago but not maintained.

