

Appendix A

UPPER MONTGOMERY JOINT AUTHORITY PROTOCOL FOR INTRA-LOT INSPECTION & REPAIR PRIVATE SANITARY SEWER FACILITIES

When it has been determined, as the result of a closed circuit television and/or other type of inspection by UMJA personnel, that private sanitary sewage facilities are in disrepair thus allowing extraneous ground and/or surface water to enter UMJA's sewage collection system and thus causing the connection to be deemed illegal under both UMJA and PADEP rules and regulations, the following procedures shall be followed by the lot owner or its designated agent.

1. Owner and/or its plumber and plumbing contractor shall contact UMJA, attention Executive Superintendent at (215) 679-5133, to obtain, gain access to or otherwise inspect all information (e.g. CCTV images, still photos) such as to allow owner a better understanding of the general location and magnitude of the problem gravity sanitary lateral pipe(s) within owner's lot.
2. In advance of retaining someone to facilitate the necessary repairs, Owner shall check applicable Borough (either East Greenville, Pennsburg or Red Hill) or Upper Hanover Township ordinance to determine if local registration and/or pre-qualification and permitting for work is required for any plumbers, general contractor or plumbing contractor they may retain.
3. Owner shall be solely responsible for retaining and paying a qualified plumber, general contractor, or plumbing contractor to perform all actual repair work.
4. It is suggested that any individual plumber or plumbing/general contractor retained by lot owner to facilitate any repair be required to show proof of insurance prior to being retained.
5. Prior to the initiation of any excavation, contractor shall thoroughly examine the site to determine working room, site access constraints and related conditions.
6. Prior to the initiation of construction and within the time designated in state statutes, contractor shall make the requisite construction PA ONE CALL.
7. At the pre-determined location of the probable pipe defect, contractor shall excavate to expose the pipe.

8. Once the pipe is exposed, contractor shall stabilize the area in and around the excavation. No further work will be done until UMJA is contacted.

9. Upon notification, UMJA's designated representative will inspect the area of exposed pipe after which the following repair protocol shall be followed:

a. CAST IRON PIPE

- (1) If a root(s) intrusion or a cracked pipe(s) or a crushed pipe(s) or a leaking joint(s) or a joint(s) that show evidence of leaking are encountered, then the owner must either reline the entire pipe or remove and replace the entire lateral with a new 4" Ø SDR 26 PVC lateral from the property line to a point below the vertical projection of the outside face of the dwelling or building. The option of relining the entire lateral should be considered under those circumstances where root intrusion, or cracked/crushed pipe is evident or where leaking at pipe joints is evident.

b. POLYVINYL CHLORIDE PIPE (PVC)

- (1) If a root(s) intrusion or a cracked pipe(s) or a crushed pipe(s) or a leaking joint(s) or a joint(s) that show evidence of leaking are encountered, spot repairs such as the use of spool pieces and Dresser® clamps will be allowed. Owner will also be allowed the option of replacing the entire lateral with a new 4" Ø SDR 26 PVC lateral from the property line to a point below the vertical projection of the outside face of the dwelling or building. The option of relining the entire lateral should be considered under those circumstances where no root intrusion, or cracked/crushed pipe is evident but where leaking at pipe joints is evident.

c. CLAY PIPE – VITRIFIED OR NON VITRIFIED

- (1) If a root(s) intrusion or a cracked pipe(s) or a crushed pipe(s) or a leaking joint(s) or a joint(s) that show evidence of leaking are encountered, then the owner must either reline the entire pipe or remove and replace the entire lateral with a new 4" Ø SDR 26 PVC lateral from the property line to a point below the vertical projection of the outside face of the dwelling or building.

d. INACTIVE LATERALS (ALL PIPE TYPES)

- (1) If the lateral is determined to be inactive in that it is currently connected to UMJA's sewage collection system but no longer connected to a building, house, or other source of sanitary sewage discharge, UMJA

must be contacted prior to any work being performed. UMJA will inspect condition prior to and during servicing. The owner must permanently seal the lateral at the transition from the UMJA service lateral to the private lateral. The lateral line shall be plugged with non-shrink cement grout for approximately 18 inches in length. Care shall be taken to ensure that the cement grout is not allowed to enter or extend into the sewer.

10. UMJA shall be notified of date and timeframe when defective pipe is to be removed so it can inspect via closed circuit television to determine if any other repairs are needed. No excavation can be back-filled until UMJA's representative has inspected and, if necessary tested the repair and, having found all to be acceptable, has given approval to commence with back-filling. If the repairs are deemed by UMJA to be unsatisfactory, the UMJA representative will state so and the owner will be responsible for having the repairs performed satisfactorily. Any new or additional repairs required as a result of a disapproval by UMJA shall require the owner to notify UMJA prior to backfilling and permitting a follow-up inspection by UMJA. This process shall be repeated as necessary until UMJA has given its written approval of the repairs.
11. All backfill shall be with either clean native material that is free of large rocks, roots, clods, foreign objects or any other dense, sharp edged non compactable material or with select material. Initial backfill and pipe bedding extending from 4" under to 12" over the repaired section shall be select material as specified by UMJA. Care shall be taken that nothing other than select material is used within the 4" under to 12" over pipe envelope.
12. The initial grade of the existing lateral shall be maintained.
13. UMJA may require the installation of a double-way cleanout at the transition point between UMJA's service lateral and the private lateral and a cleanout manhole for future access.
14. Owners are advised that it is in their long-term interest not to plant trees or deep rooted large plants or shrubs directly over the route of the lateral. They are further advised not to place any building addition foundation or footings, or patio piers or footings or any other type of either heavy and load bearing structural member over the lateral.
15. Owners are further advised to keep a written record of measurements by which the exact location of the lateral can be re-established without future excavation.

