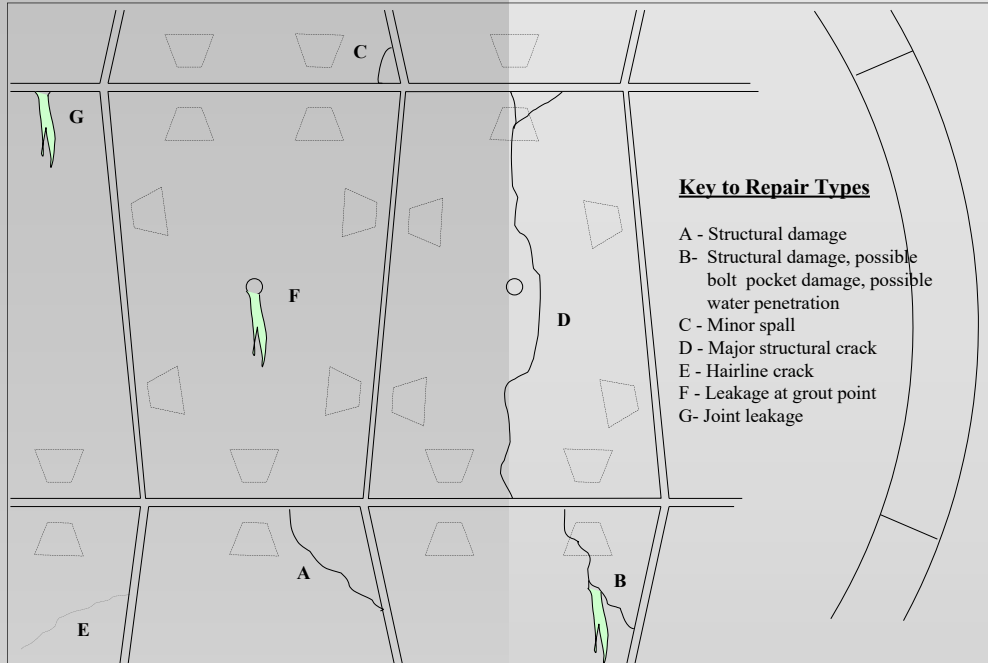


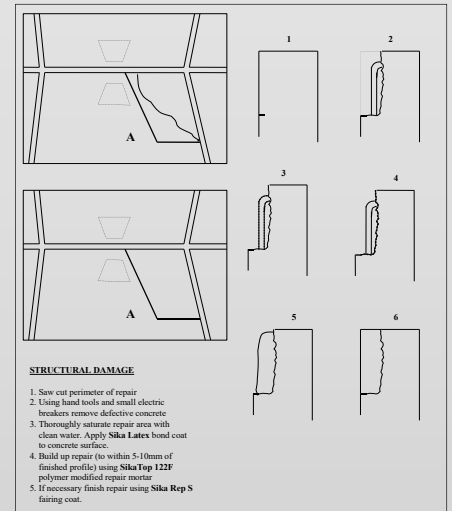


## MRTA Initial System Project – Underground Structures North

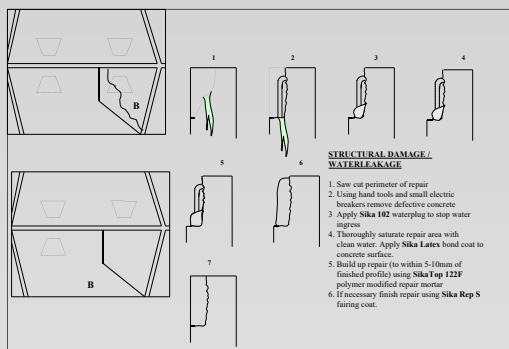
### In-situ Repairs To Tunnel Segments



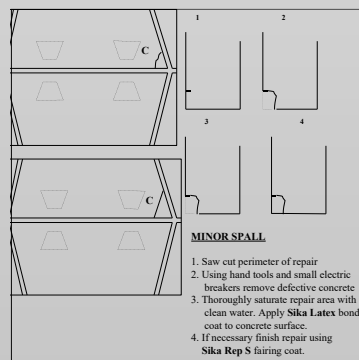
#### A. Structural Damage



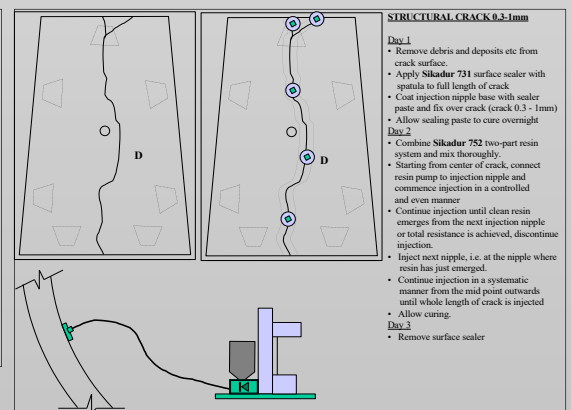
#### B. Structural Damage / Water Leak



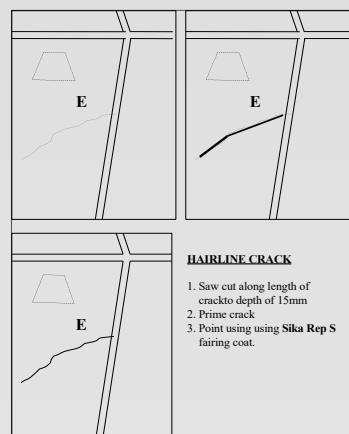
#### C. Minor Spall



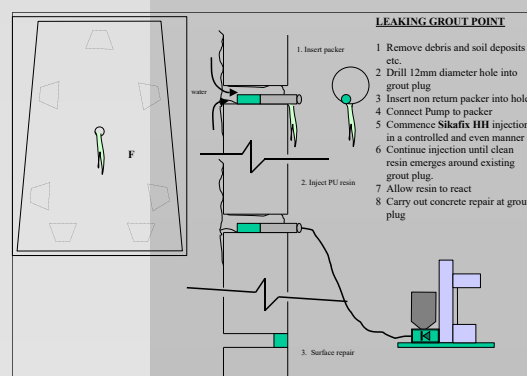
#### D. Structural Crack



#### E. Minor Crack



#### F. Leakage at Grout Point



#### G. Leakage at Segment Joint

