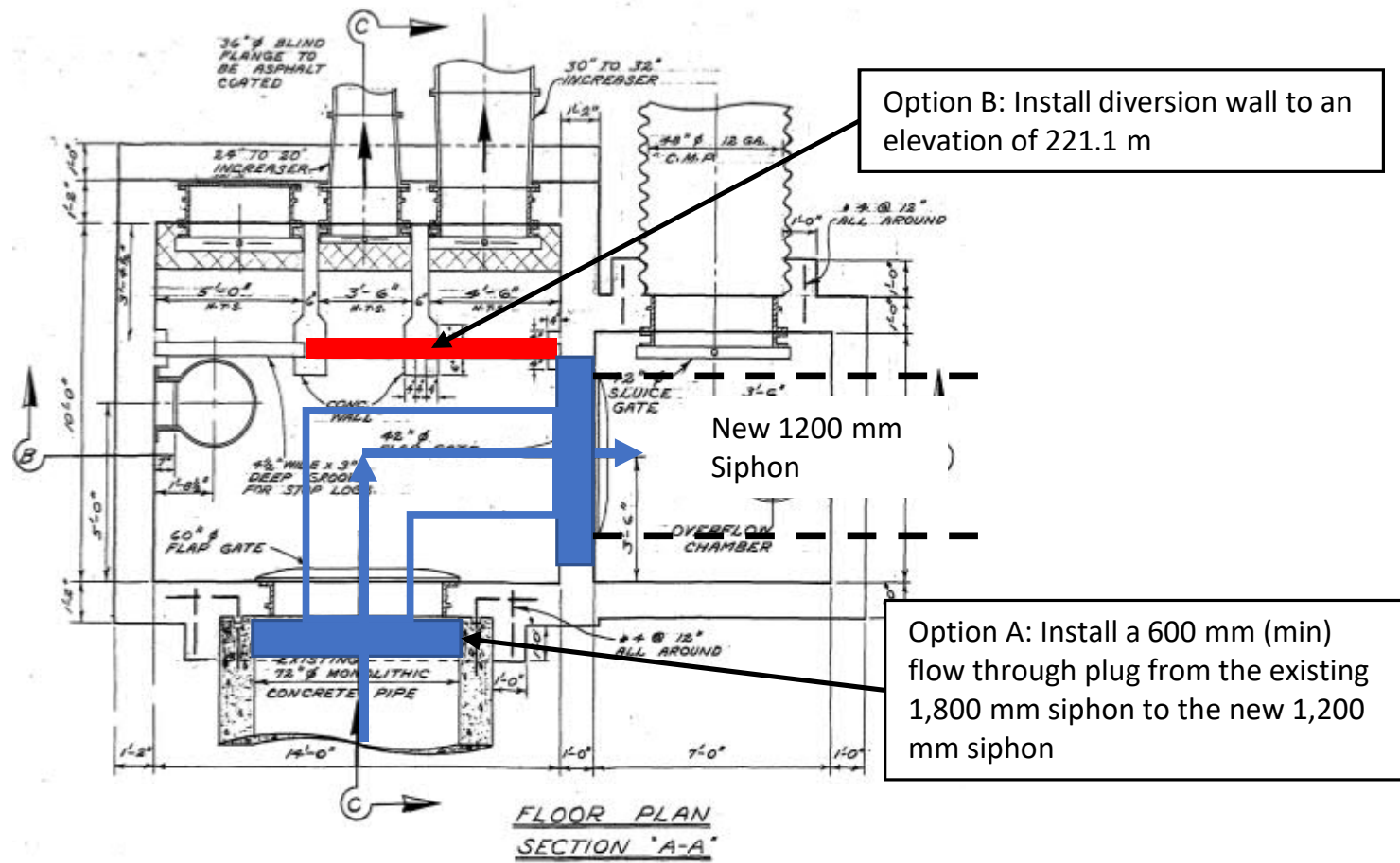
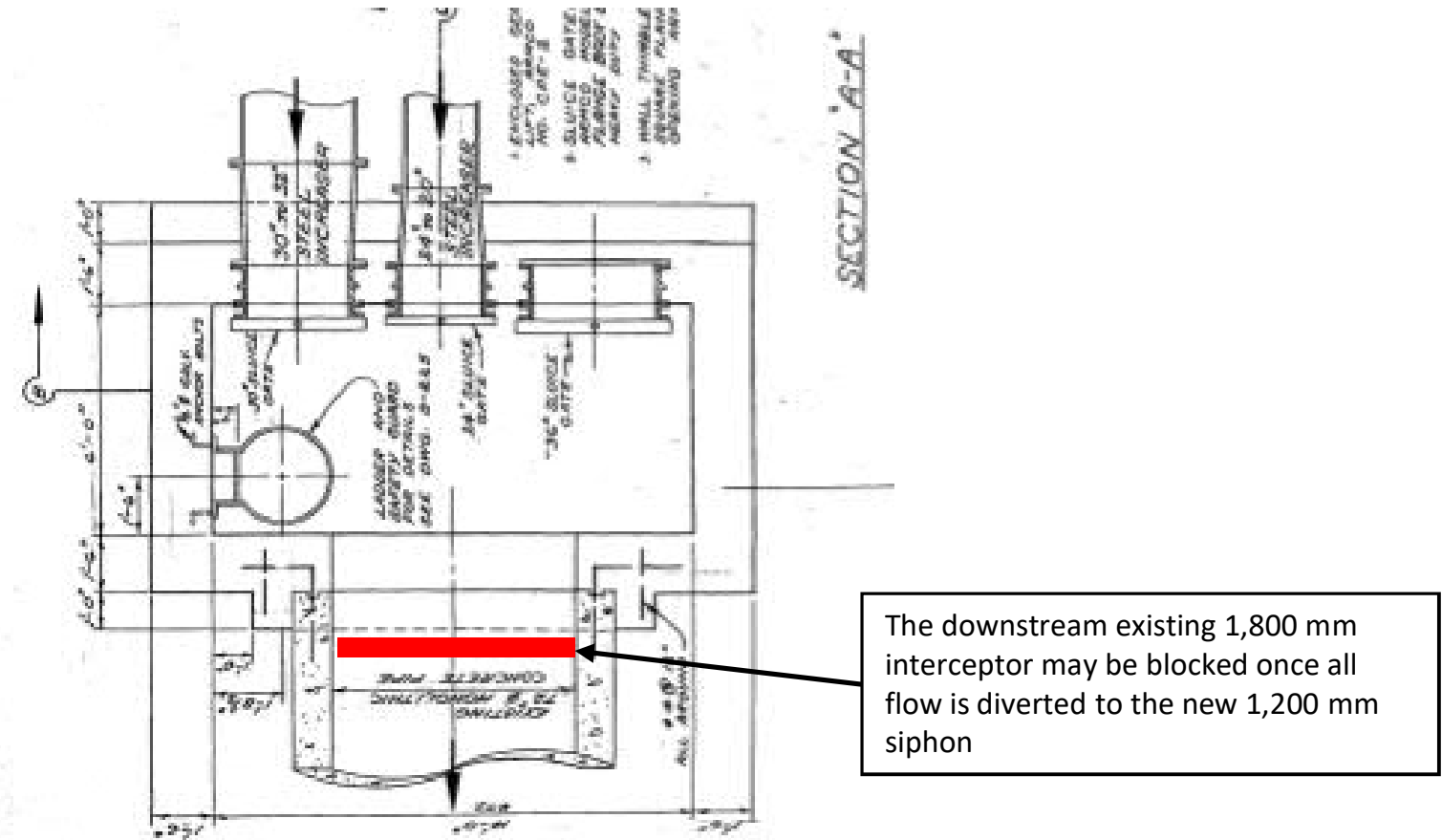


DIVERSION OPTION



EXISTING 500/800 SIPHON INLET CHAMBER



EXISTING 500/800 SIPHON OUTLET CHAMBER

NOTES

- The diversion through the Existing 500/800 mm Inlet Chamber can be accomplished by either:
 - Option A: Installation of a 600 mm (min) flow through plug from the existing 1,800 mm interceptor to the new 1,200 mm siphon; or
 - Option B: Construction of a temporary wall isolating the 500/800 inlets to an elevation of 221.1 m (2.3 m above the chamber floor)
- Flow will re-enter the 1,800 mm interceptor downstream of the Existing 500/800 mm Outlet Chamber at the connection to the new 1,200 mm siphon. The Existing 500/800 mm Outlet Chamber, the 1,800 mm downstream interceptor may be blocked to limit the impacts from downstream levels.
 - Levels are expected to vary from 217.3 m (partially full) to 219 m (pipe surcharge conditions daily) as shown Drawings
 - Levels can be controlled by operations at the NEWPCC facility to maintain a level of 217.7 m (1 m above the chamber floor) during dry weather periods.
- The Contractor shall maintain flow through the site at all times, and work shall be completed in dry weather flow conditions only:
 - Estimated peak dry weather Flow: 500 l/s
 - Estimated average dry weather Flow: 300 l/s
 - Estimated minimum dry weather Flow: 250 l/s
 - Estimated 5-year wet weather flow: 5,000 l/s
- In the event of wet weather, all plugs must be removed to allow wet weather flows to pass. Maximum allowable levels in the upstream system is 223.4 m (4.5 m above the chamber floor)
 - Upstream levels are expected up to 220.5 m when flow is diverted through the new 1,200 mm siphon