

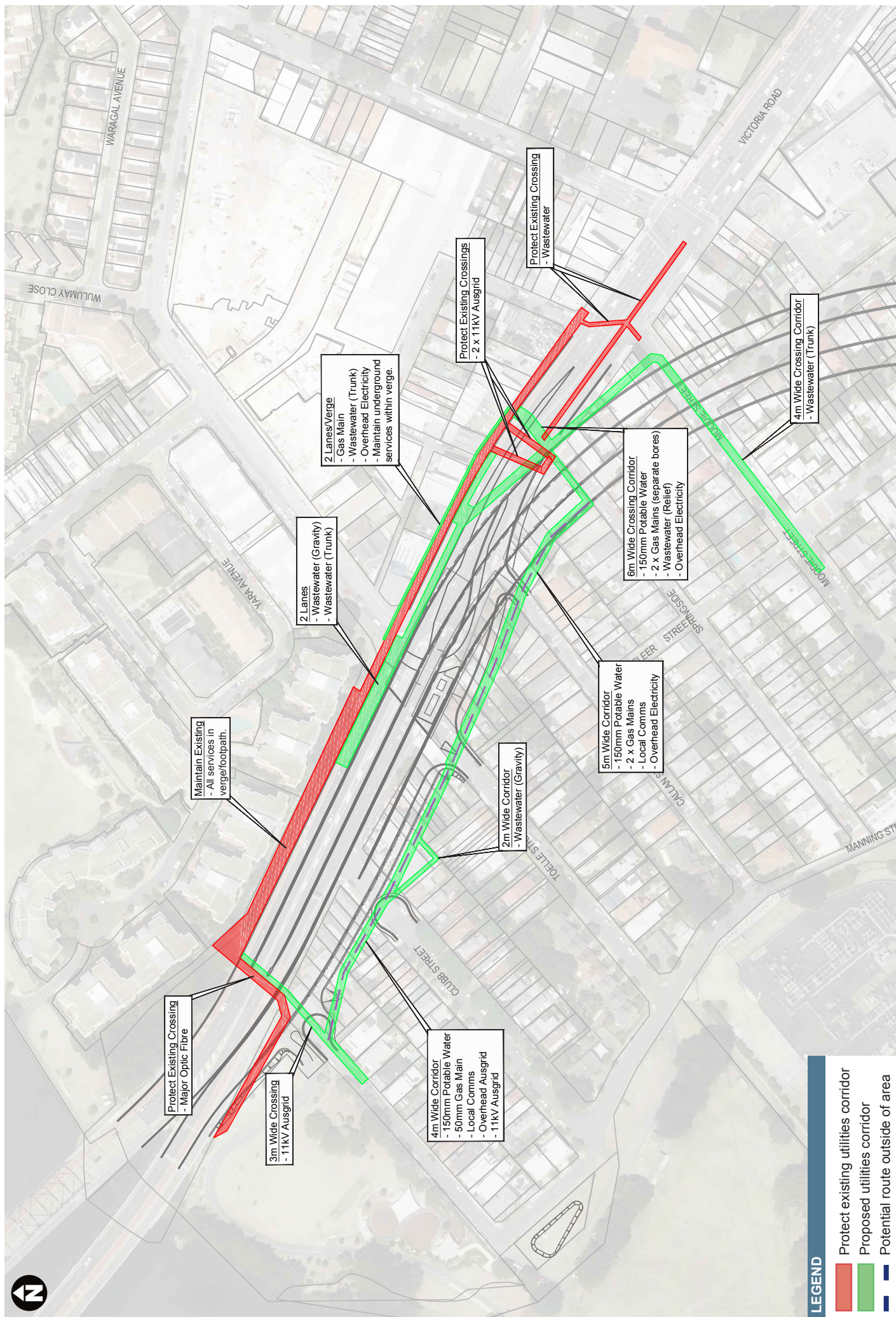


Figure A-9 Proposed utility services - Iron Cove



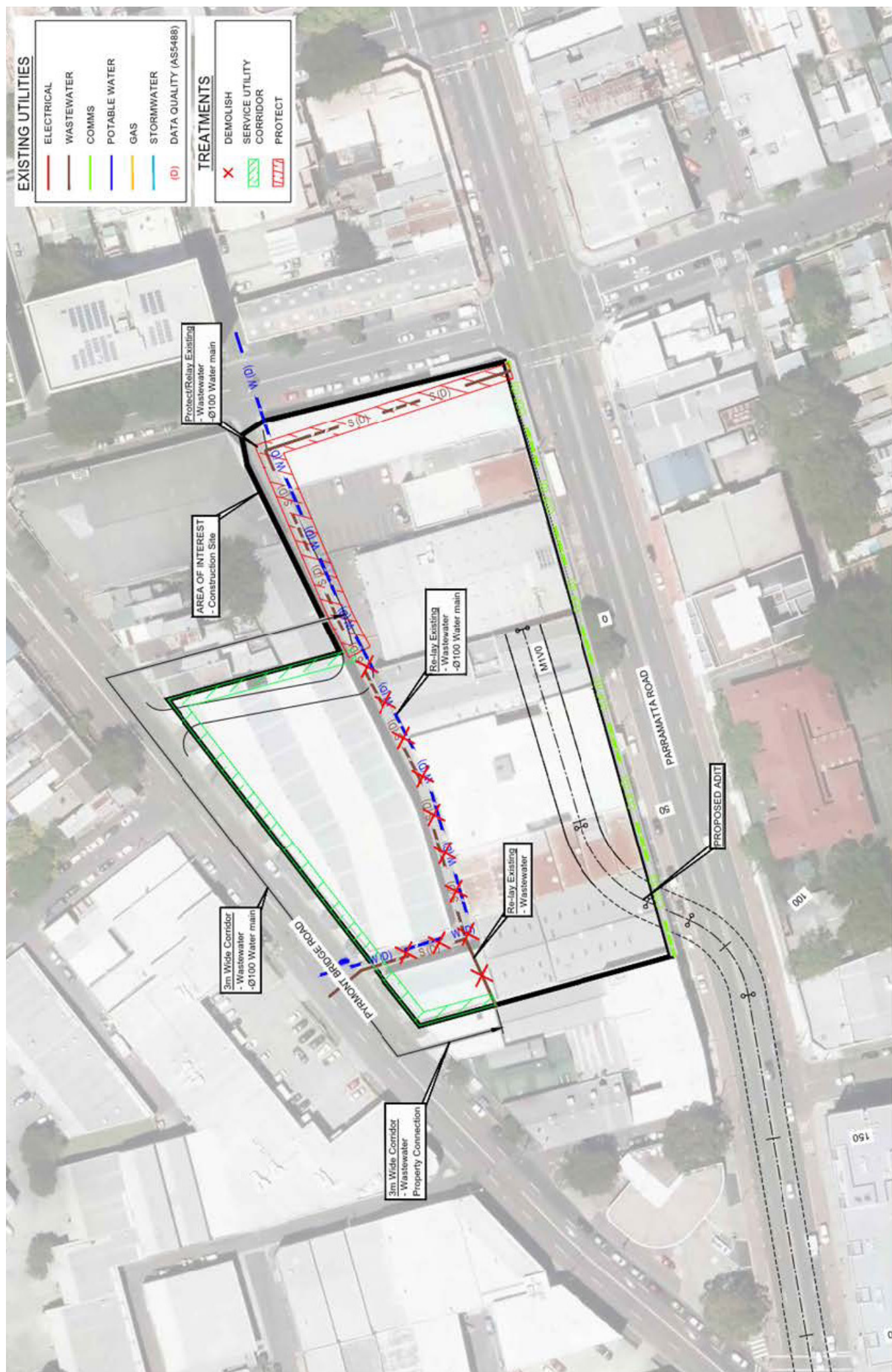


Figure A-10 Existing and proposed utility services - Annandale

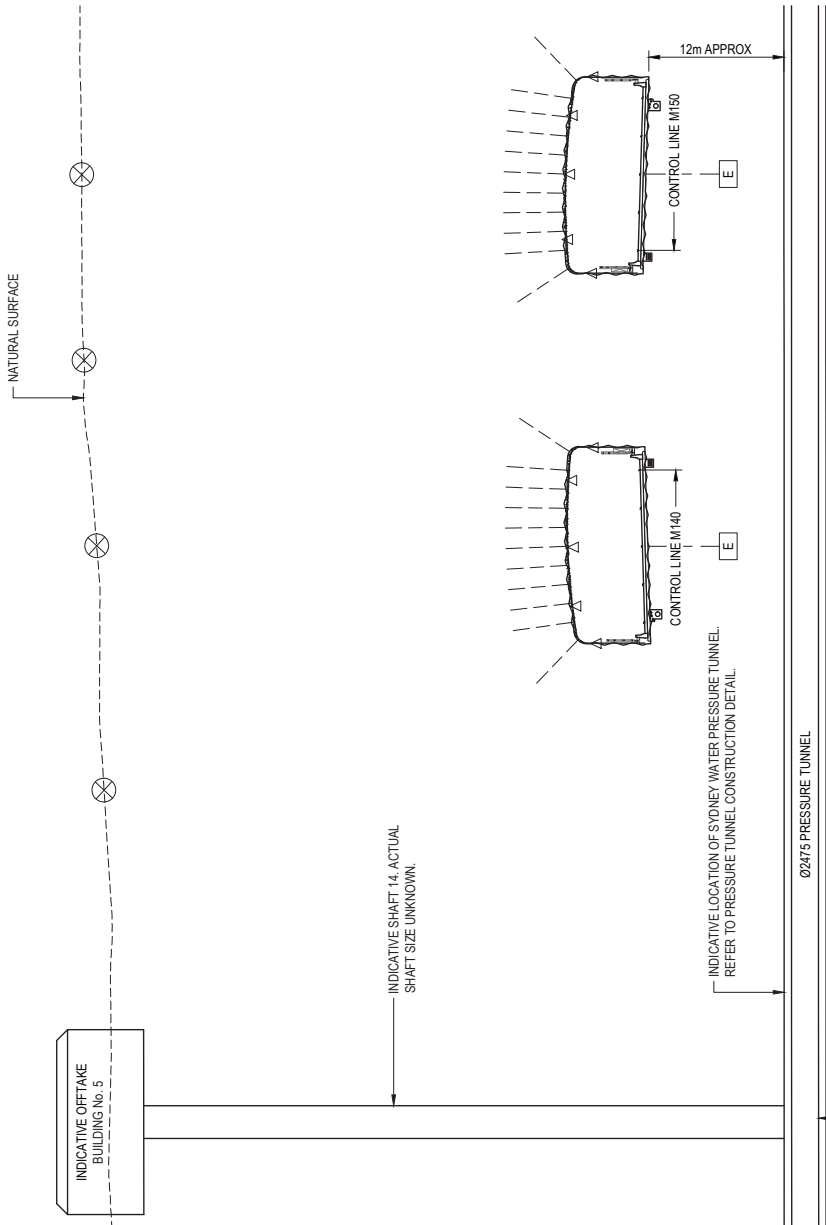




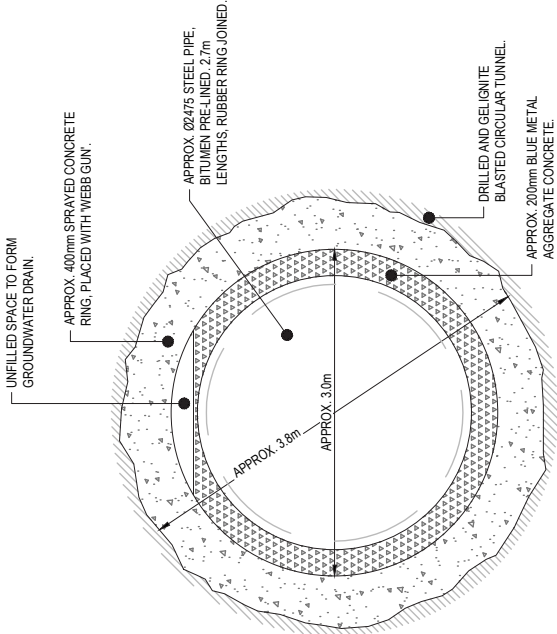
Figure A-11 Sydney Water Tunnels

NOTES

- 1. TYPICAL CROSS SECTION PROVIDED FOR ILLUSTRATIVE PURPOSES. TUNNEL STRUCTURE WILL VARY WITH DEPTH & GEOTECHNICAL CONDITIONS.
- 2. THE LOCATION OF EXISTING UNDERGROUND AND OVERHEAD SERVICES HAS BEEN IDENTIFIED THROUGH THE USE OF DBYD DATA. WORK AS EXECUTED PLANS AND ELECTRONIC DRAWING FILES SOURCED FROM THE INDIVIDUAL UTILITY SERVICE PROVIDER. SERVICE LOCATIONS AND LEVELS SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND ARE SUBJECT TO FURTHER INVESTIGATION.
- 3. WORK AS EXECUTED PLANS FOR THE SYDNEY PRESSURE TUNNEL WERE PROVIDED BY SYDNEY WATER ON 05/10/16. DRAWING NO. INDEX22-5-419.
- 4. REFER DRG. 32012 FOR MAXIMUM EXPECTED SETTLEMENT AND ANGULAR DISTORTION VALUES.
- 5. MOVEMENT PREDICTION BASED ON THREE HEADINGS AND BOTTOM BENCH EXCAVATION.
- 6. MONITORING POINTS ARE INDICATIVE ONLY. THE MONITORING REQUIREMENTS AND FREQUENCY WILL BE SUBJECT TO THE AGREEMENT OF SYDNEY WATER.



PRESSURE TUNNEL DETAILED SECTION  
SCALE 1:500



PRESSURE TUNNEL CONSTRUCTION DETAIL  
SCALE 1:50

LEGEND:

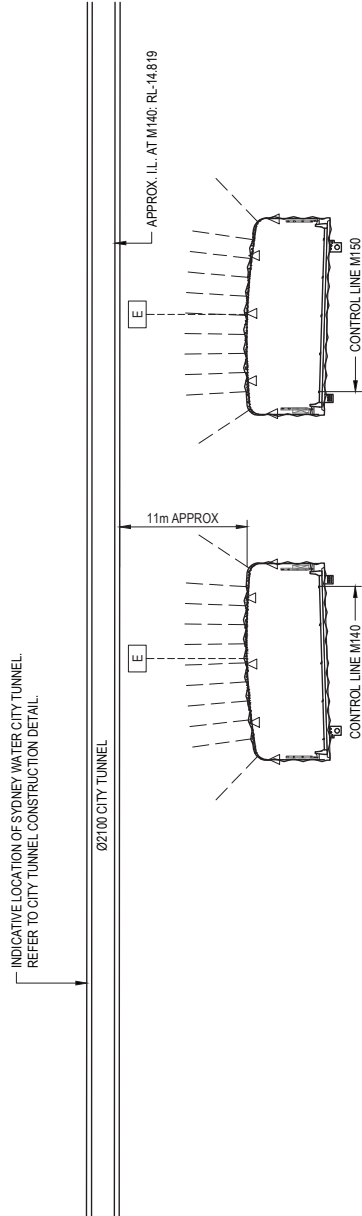
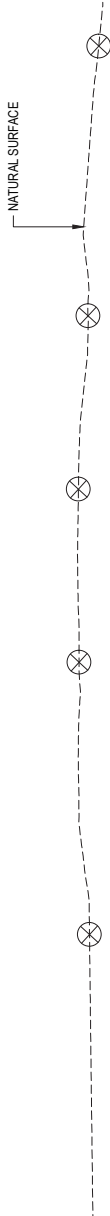
- △ OPTICAL SURVEY TARGETS
- ⊗ GROUND SETTLEMENT MONITORING POINT
- | □ EXTENSOMETER

Figure A-12 Sydney Water Pressure Tunnel

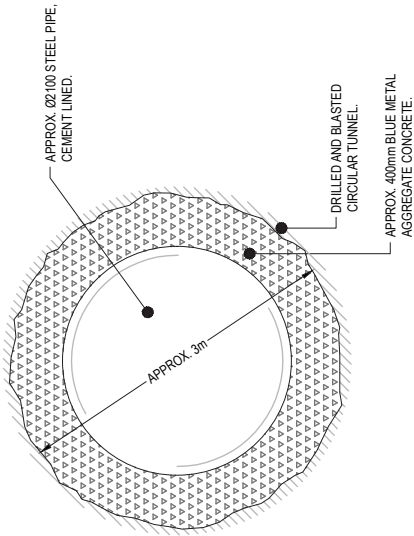


NOTES

- 1. TYPICAL CROSS SECTION PROVIDED FOR ILLUSTRATIVE PURPOSES. TUNNEL STRUCTURE WILL VARY WITH DEPTH & GEOTECHNICAL CONDITIONS.
- 2. THE LOCATION OF EXISTING UNDERGROUND AND OVERHEAD SERVICES HAS BEEN IDENTIFIED THROUGH THE USE OF DBYO DATA. WORK AS EXECUTED PLANS AND ELECTRONIC DRAWING FILES SOURCED FROM THE INDIVIDUAL UTILITY SERVICE PROVIDER. SERVICE LOCATIONS AND LEVELS SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND ARE SUBJECT TO FURTHER INVESTIGATION.
- 3. WORK AS EXECUTED PLANS FOR THE SYDNEY CITY TUNNEL WERE PROVIDED BY SYDNEY WATER ON 05/10/16. DRAWING NO. INDEX22-7-43.
- 4. REFER DRG. 32012 FOR MAXIMUM EXPECTED SETTLEMENT AND ANGULAR DISTORTION VALUES.
- 5. SETTLEMENT PREDICTION BASED ON THREE HEADINGS AND BOTTOM BENCH EXCAVATION.
- 6. MONITORING POINTS ARE INDICATIVE ONLY. THE MONITORING REQUIREMENTS AND FREQUENCY WILL BE SUBJECT TO THE AGREEMENT OF SYDNEY WATER.



CITY TUNNEL DETAILED SECTION  
SCALE 1:500



CITY TUNNEL CONSTRUCTION DETAIL  
SCALE 1:50

LEGEND:

- △ OPTICAL SURVEY TARGETS
- ⊗ GROUND SETTLEMENT MONITORING POINT
- E EXTENSOMETER

Figure A-13 Sydney Water City Tunnel

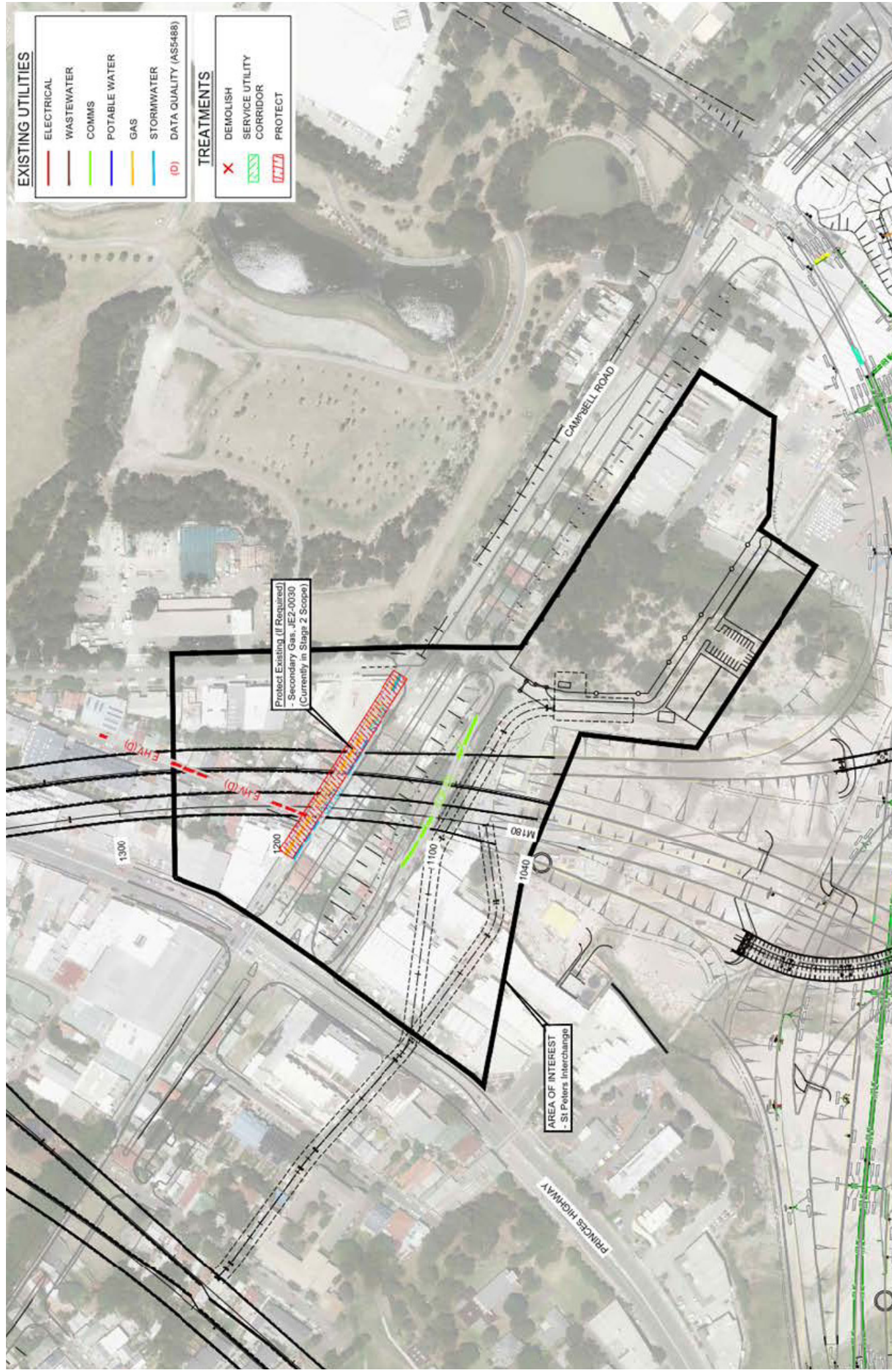


Figure A-14 Existing and proposed utility services - St Peters