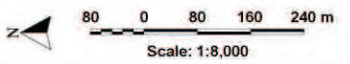


TUFLOW ONE-DIMENSIONAL ELEMENT

- Channel
- DTM Derived Cross Section
- Bridge or Culvert Crossing

TUFLOW BOUNDARY CONDITIONS

- Inflow - Rain Boundary
- ▼ Inflow - Point Source
- Inflow Boundary
- Outflow Boundary (Free Discharge)
- 1D - 2D Boundary
- Two-Dimensional Model Boundary



LEGEND

- **XD06** Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road

**WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE**

Figure C3

SAINT LUKES PARK CANAL TUFLOW MODEL LAYOUT



TUFLOW ONE-DIMENSIONAL ELEMENT

- Inlet Pit
- Junction Pit
- Box Culvert
- Pipe
- Channel
- DTM Derived Cross Section
- Bridge or Culvert Crossing

TUFLOW BOUNDARY CONDITIONS

- ▭ Inflow - Rain Boundary
- ▴ Inflow - Point Source
- ▬▬▬ Inflow Boundary
- ▬▬▬ Outflow Boundary (Free Discharge)
- ▭ 1D - 2D Boundary
- - - Two-Dimensional Model Boundary

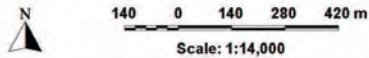
LEGEND

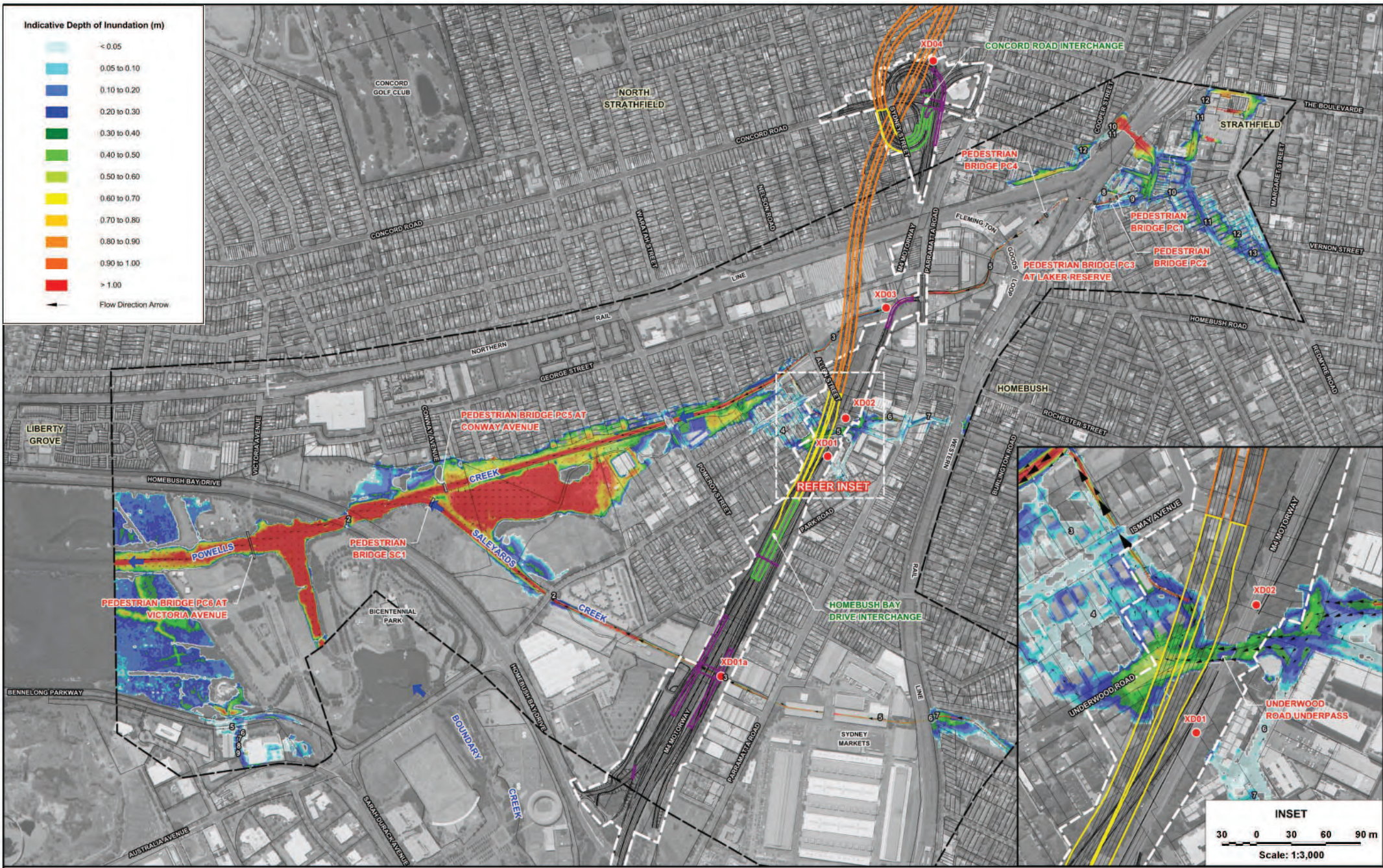
- XD08 Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road
- ▴ P1 Peak Flood Level Locations (Refer Table C4)

**WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE**

Figure C4

DOBROYD CANAL (IRON COVE CREEK) TUFLOW MODEL LAYOUT





Indicative Depth of Inundation (m)

- < 0.05
 - 0.05 to 0.10
 - 0.10 to 0.20
 - 0.20 to 0.30
 - 0.30 to 0.40
 - 0.40 to 0.50
 - 0.50 to 0.60
 - 0.60 to 0.70
 - 0.70 to 0.80
 - 0.80 to 0.90
 - 0.90 to 1.00
 - > 1.00
- Flow Direction Arrow

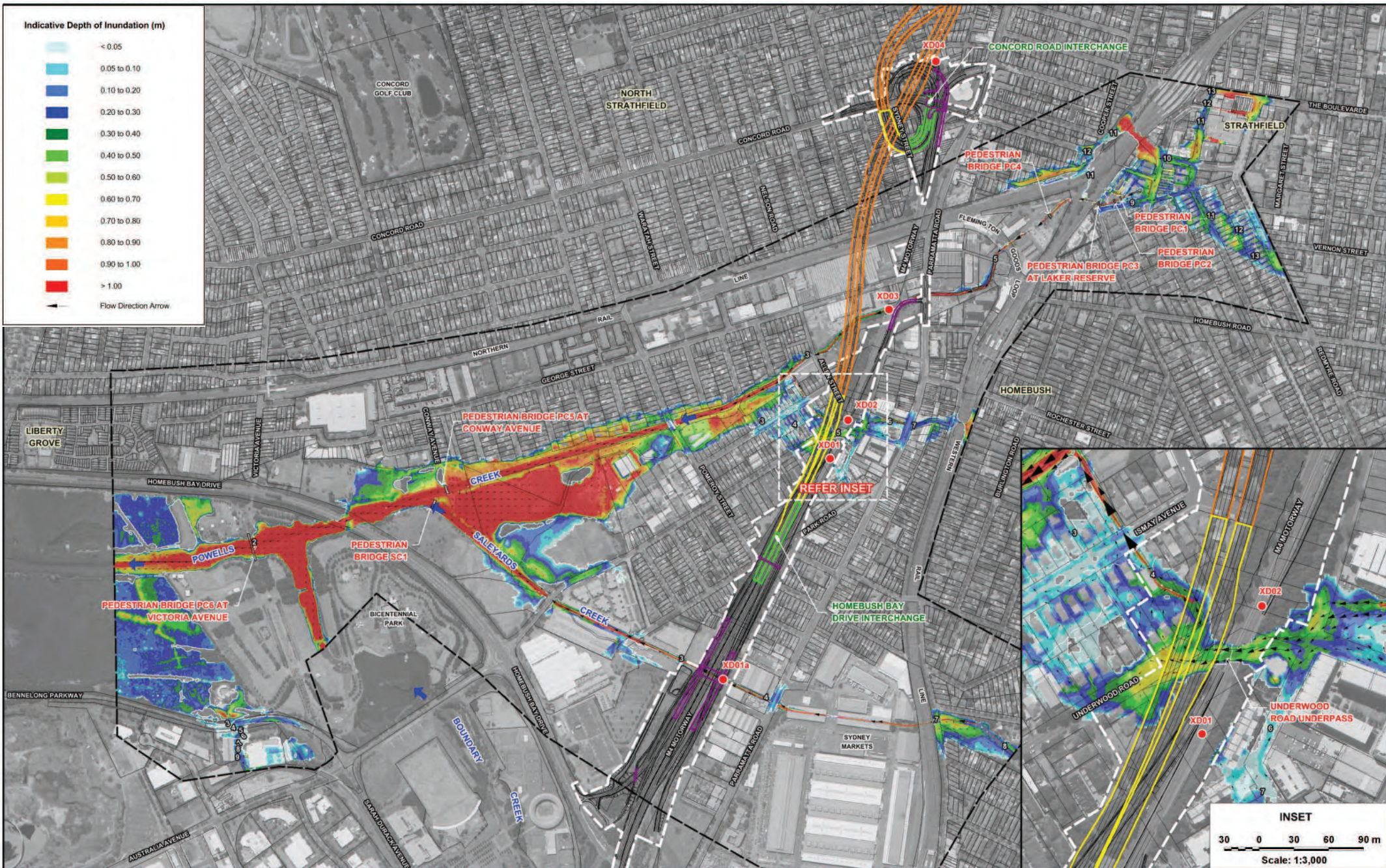
LEGEND

- TUFLOW Model Extent
- XD01 Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road
- Road Design Strings
- Project Boundary
- Water Surface Elevation Contours (m AHD)
- Bridge
- Tunnel Dive Structure
- Cut and Cover Tunnel
- Driven Tunnel

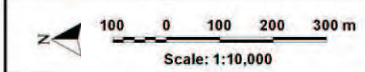
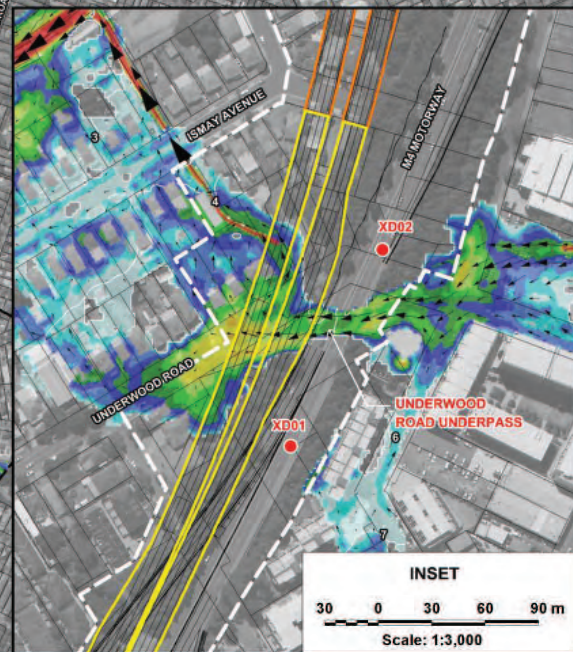
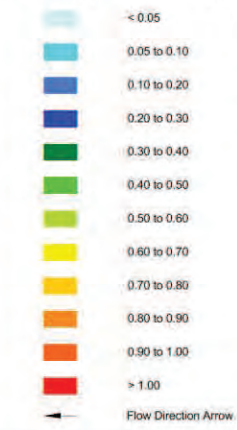
WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE
Figure C5

POWELLS CREEK TUFLOW MODEL RESULTS
5 YEAR ARI
PRESENT DAY CONDITIONS





Indicative Depth of Inundation (m)



LEGEND

- TUFLOW Model Extent
- XD01 Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road
- Road Design Strings
- Project Boundary
- Water Surface Elevation Contours (m AHD)
- Bridge
- Tunnel Dive Structure
- Cut and Cover Tunnel
- Driven Tunnel

WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE
 Figure C6
 POWELLS CREEK TUFLOW MODEL RESULTS
 20 YEAR ARI
 PRESENT DAY CONDITIONS

