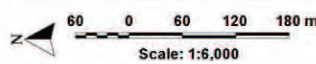


Indicative Depth of Inundation (m)

- < 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

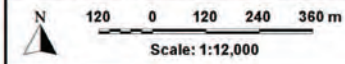
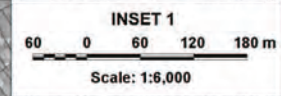
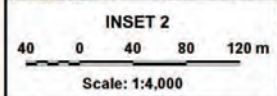
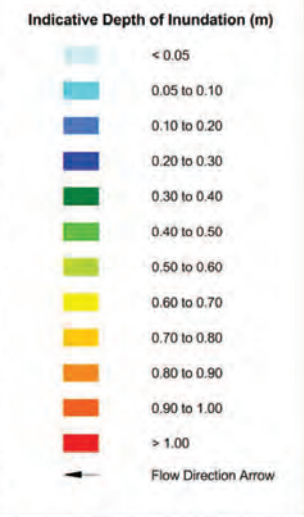


LEGEND

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



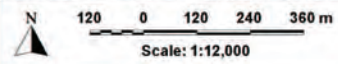
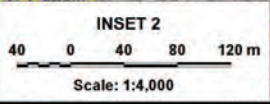
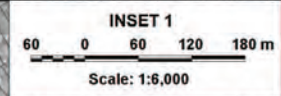
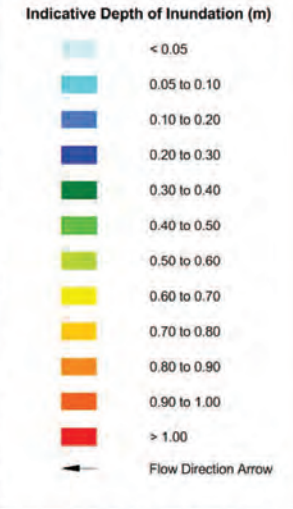
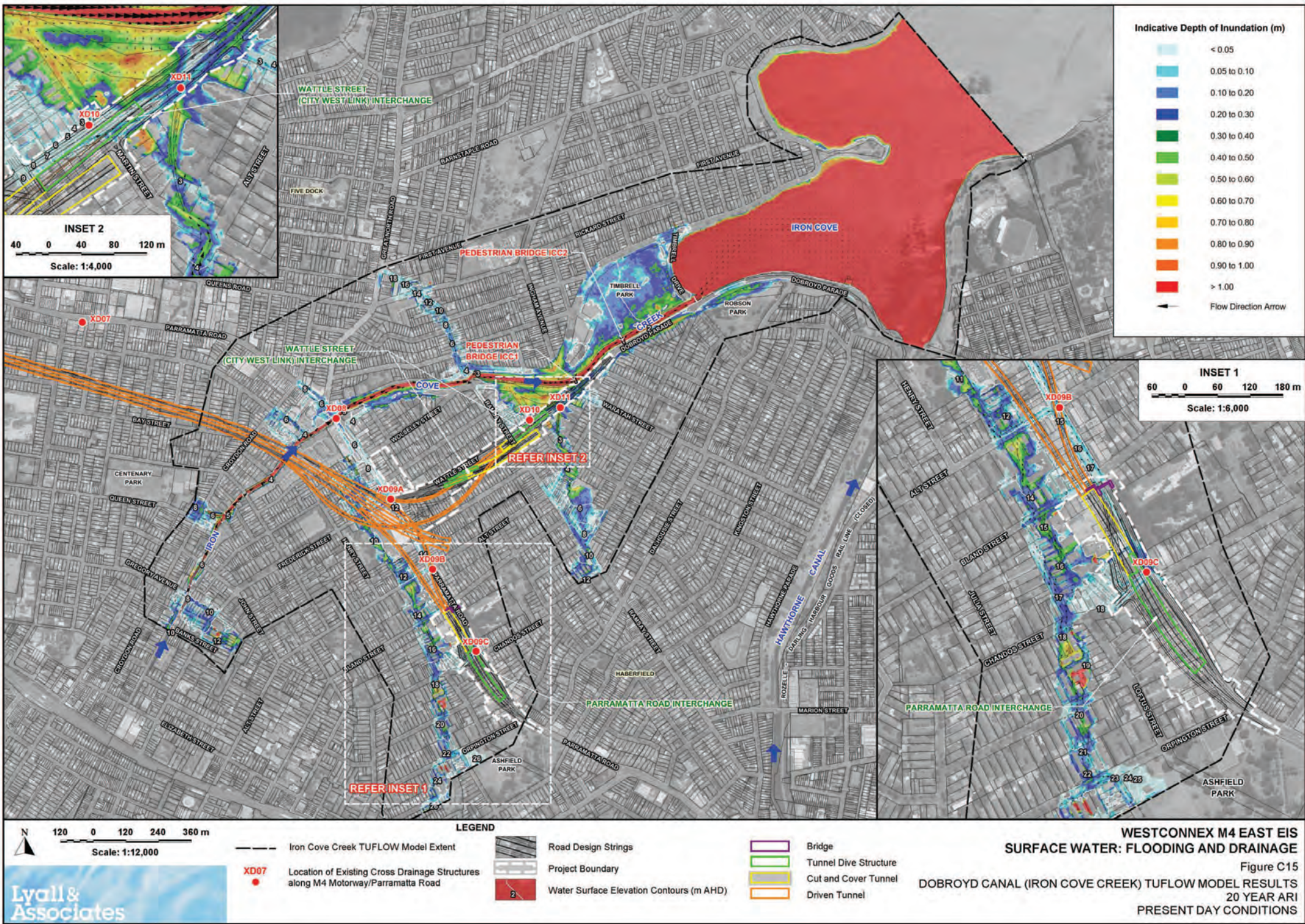
WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE
 Figure C13
SAINT LUKES PARK CANAL TUFLOW MODEL RESULTS
 200 YEAR ARI
 PRESENT DAY CONDITIONS



- LEGEND**
- Iron Cove Creek TUFLOW Model Extent
 - ▬ Road Design Strings
 - ▭ Project Boundary
 - XD07 Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road
 - 2 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 C14
DOBROYD CANAL (IRON COVE CREEK) TUFLOW MODEL RESULTS
 5 YEAR ARI
 PRESENT DAY CONDITIONS

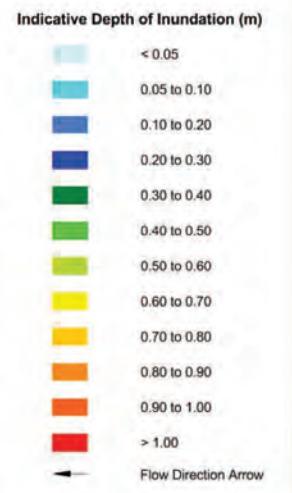




- LEGEND**
- Iron Cove Creek TUFLOW Model Extent
 - Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road
 - Road Design Strings
 - Project Boundary
 - Water Surface Elevation Contours (m AHD)
 - Bridge
 - Tunnel Dive Structure
 - Cut and Cover Tunnel
 - Driven Tunnel

WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE
 Figure C15
DOBROYD CANAL (IRON COVE CREEK) TUFLOW MODEL RESULTS
 20 YEAR ARI
 PRESENT DAY CONDITIONS





INSET 2
40 0 40 80 120 m
Scale: 1:4,000

INSET 1
60 0 60 120 180 m
Scale: 1:6,000

120 0 120 240 360 m
Scale: 1:12,000

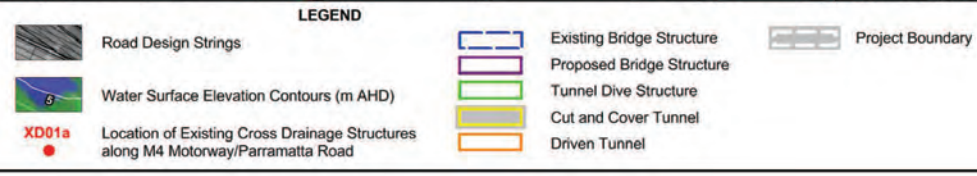
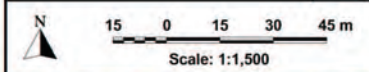
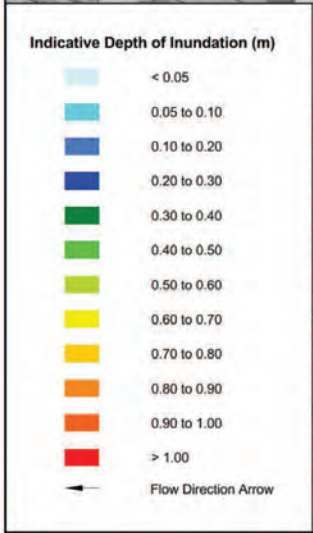
- LEGEND**
- Iron Cove Creek TUFLOW Model Extent
 - Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road
 - Road Design Strings
 - Project Boundary
 - Water Surface Elevation Contours (m AHD)
 - Bridge
 - Tunnel Dive Structure
 - Cut and Cover Tunnel
 - Driven Tunnel

WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE

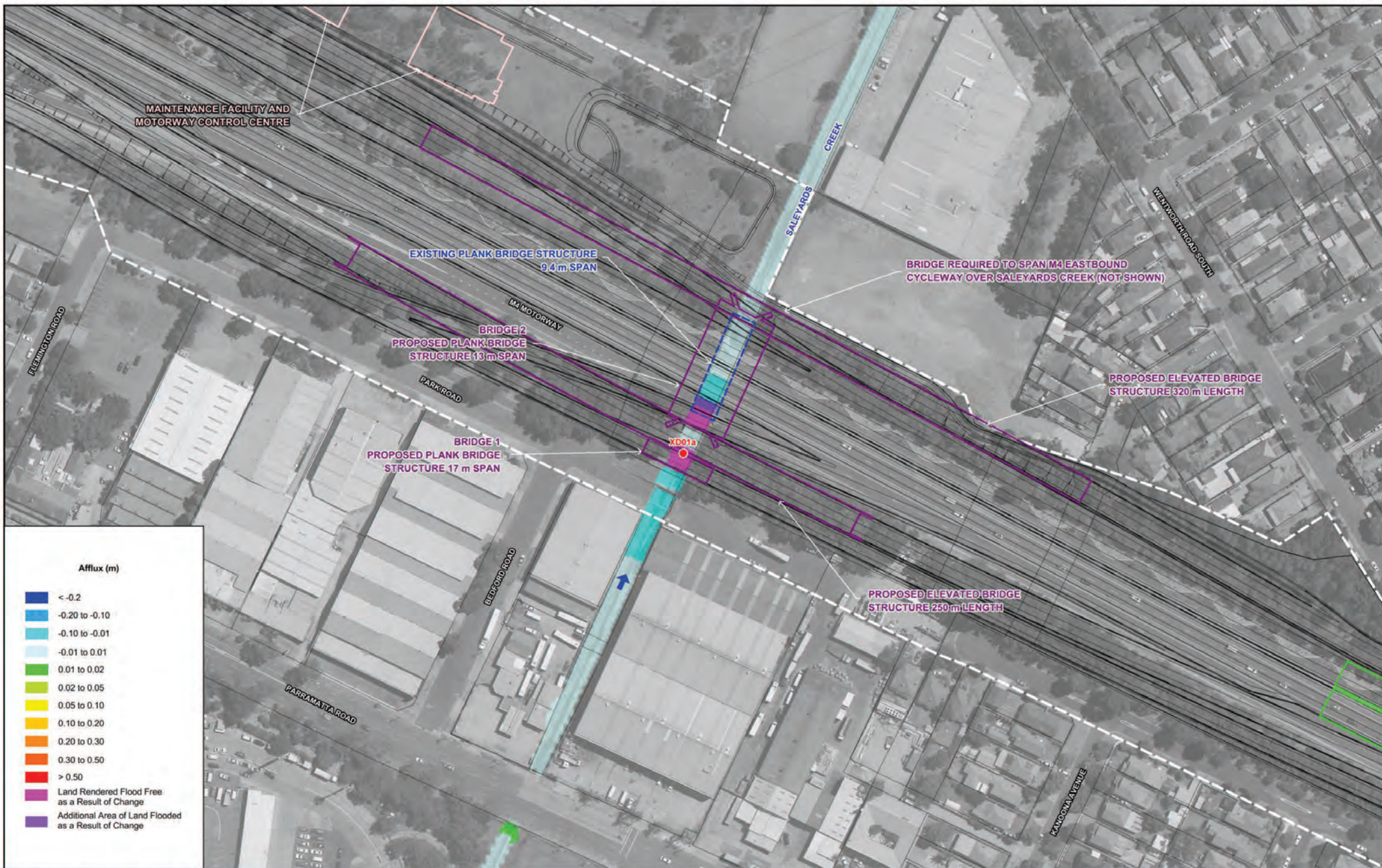
Figure C16
DOBROYD CANAL (IRON COVE CREEK) TUFLOW MODEL RESULTS
200 YEAR ARI
PRESENT DAY CONDITIONS

APPENDIX D

Post-construction flooding patterns and associated impacts – 5, 20 and 200 year ARI events (local catchment flooding only)

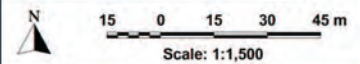


WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE
 Figure D1
 POST-CONSTRUCTION FLOODING PATTERNS
 M4 MOTORWAY (SALEYARDS CREEK)
 5 YEAR ARI



Afflux (m)

- <math>< -0.2</math>
- 0.20 to -0.10
- 0.10 to -0.01
- 0.01 to 0.01
- 0.01 to 0.02
- 0.02 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.50
- > 0.50
- Land Rendered Flood Free as a Result of Change
- Additional Area of Land Flooded as a Result of Change

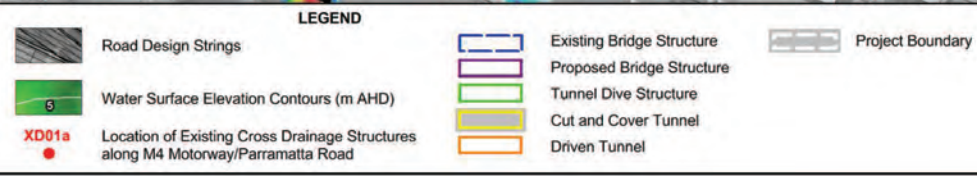
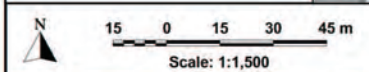
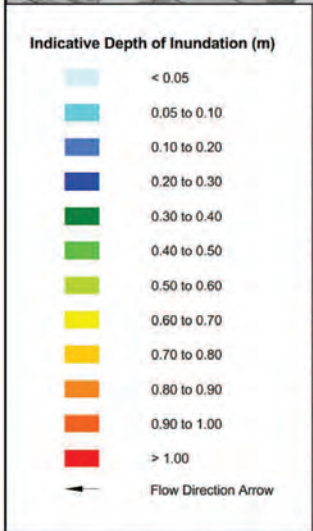
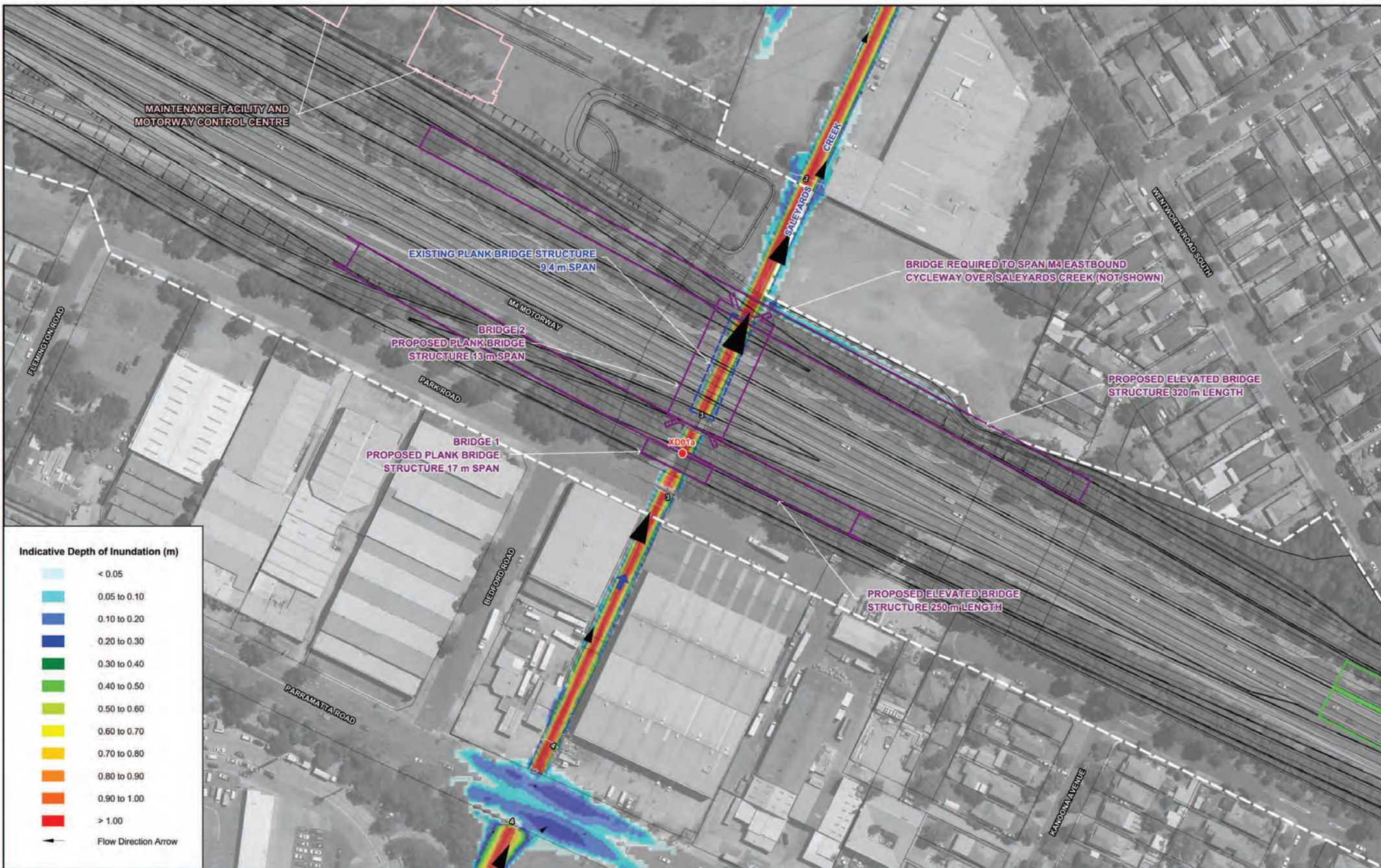


LEGEND

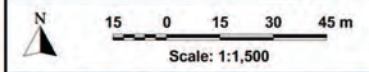
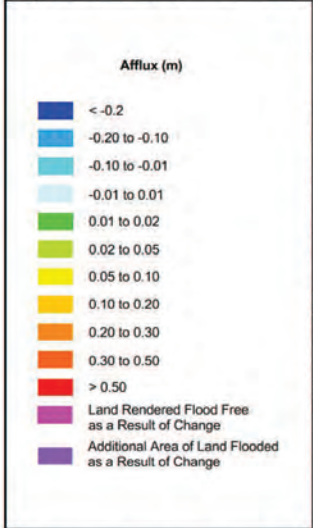
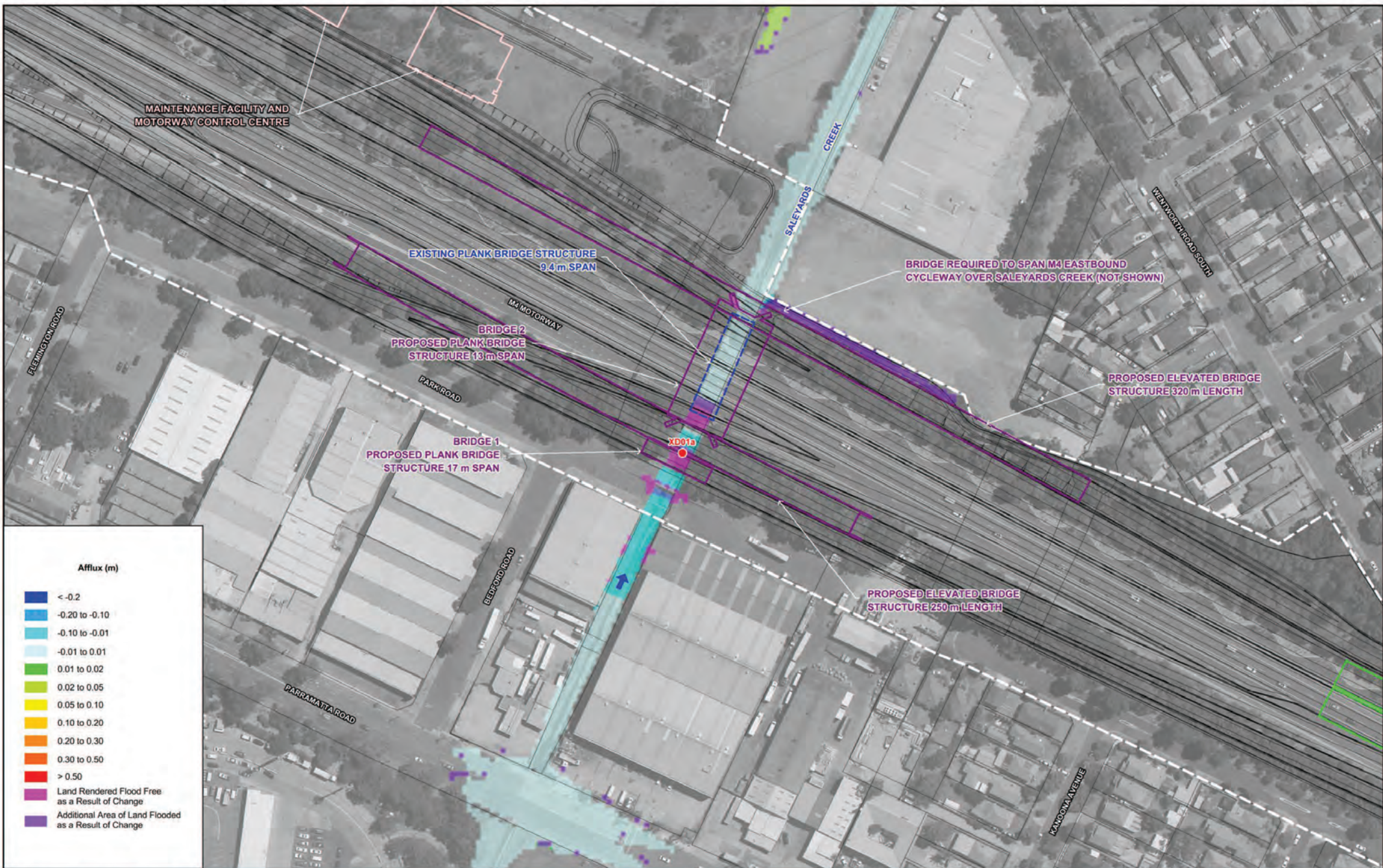
- Road Design Strings
- Location of Existing Cross Drainage Structures along M4 Motorway/Parramatta Road
- Existing Bridge Structure
- Proposed Bridge Structure
- Tunnel Dive Structure
- Cut and Cover Tunnel
- Driven Tunnel
- Project Boundary

WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE

Figure D2
IMPACT OF M4 EAST POST-CONSTRUCTION ON FLOOD BEHAVIOUR
M4 MOTORWAY (SALEYARDS CREEK)
5 YEAR ARI



WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE
 Figure D3
 POST-CONSTRUCTION FLOODING PATTERNS
 M4 MOTORWAY (SALEYARDS CREEK)
 20 YEAR ARI



WESTCONNEX M4 EAST EIS
SURFACE WATER: FLOODING AND DRAINAGE
 Figure D4
 IMPACT OF M4 EAST POST-CONSTRUCTION ON FLOOD BEHAVIOUR
 M4 MOTORWAY (SALEYARDS CREEK)
 20 YEAR ARI