

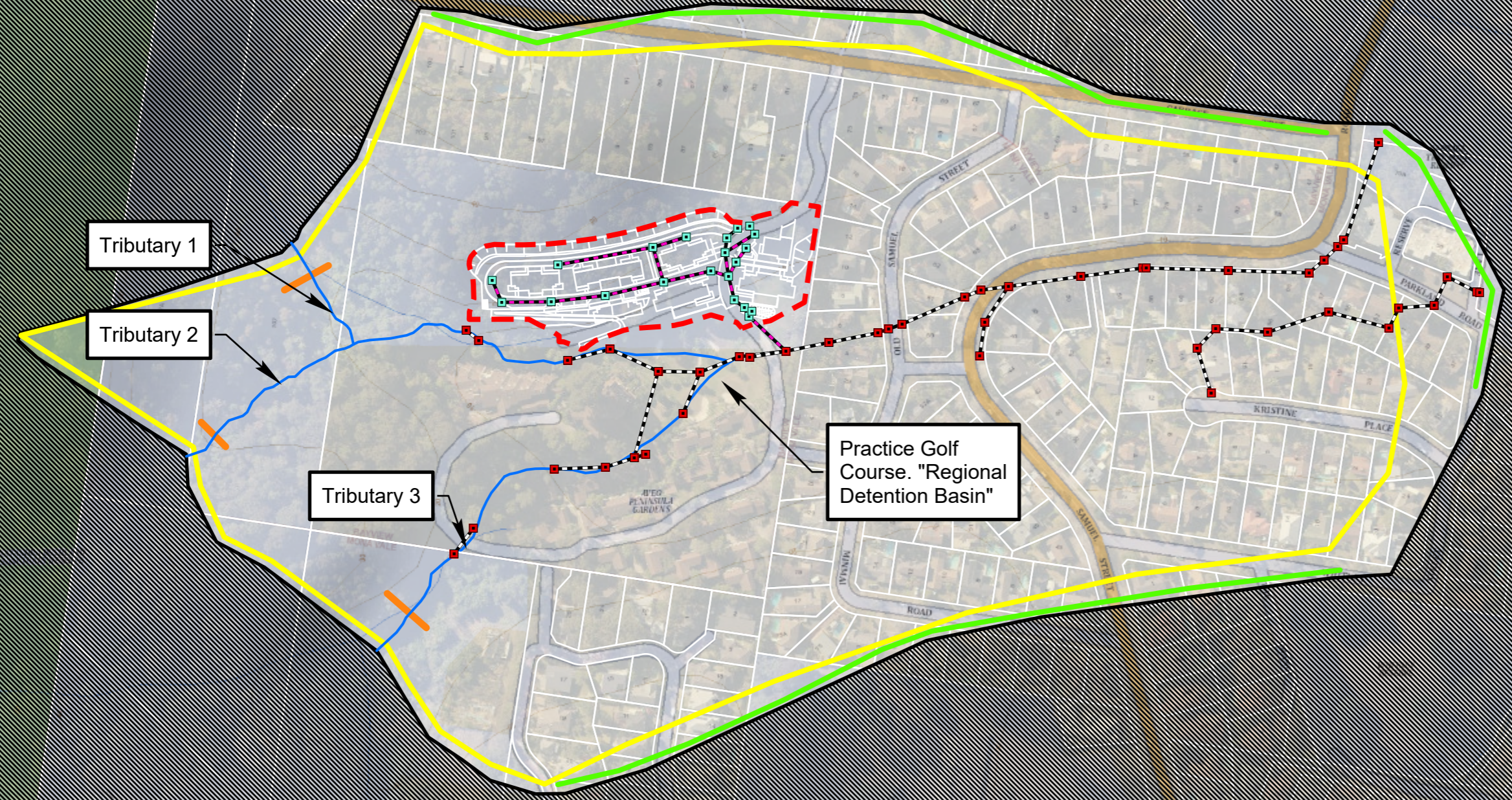






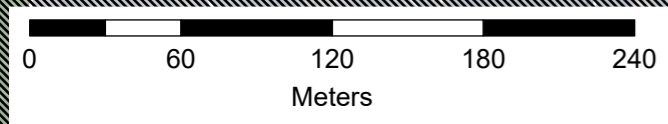
**Figure A2 [C]**  
2D Model Setup

11/10/2019



Path Y:\YEAR 2017 Jobs\NL171426\O - Drawings\MAP\Figures\191011\NL171426\_ArcPro\_Project\_191011.aprx

- Legend**
- Existing Pits & Headwalls
  - Developed Pits & Headwalls
  - - - Existing Culverts
  - - - Developed Culverts
  - Flow Boundaries
  - Head Boundaries
  - Creeks
  - - - Indicative Extent of Works
  - Rainfall Polygon
  - ▨ Model Extent



**Peninsula Gardens  
Retirement Village  
Bayview**



















**Figure A4 [C]**  
Developed Scenario  
Topography

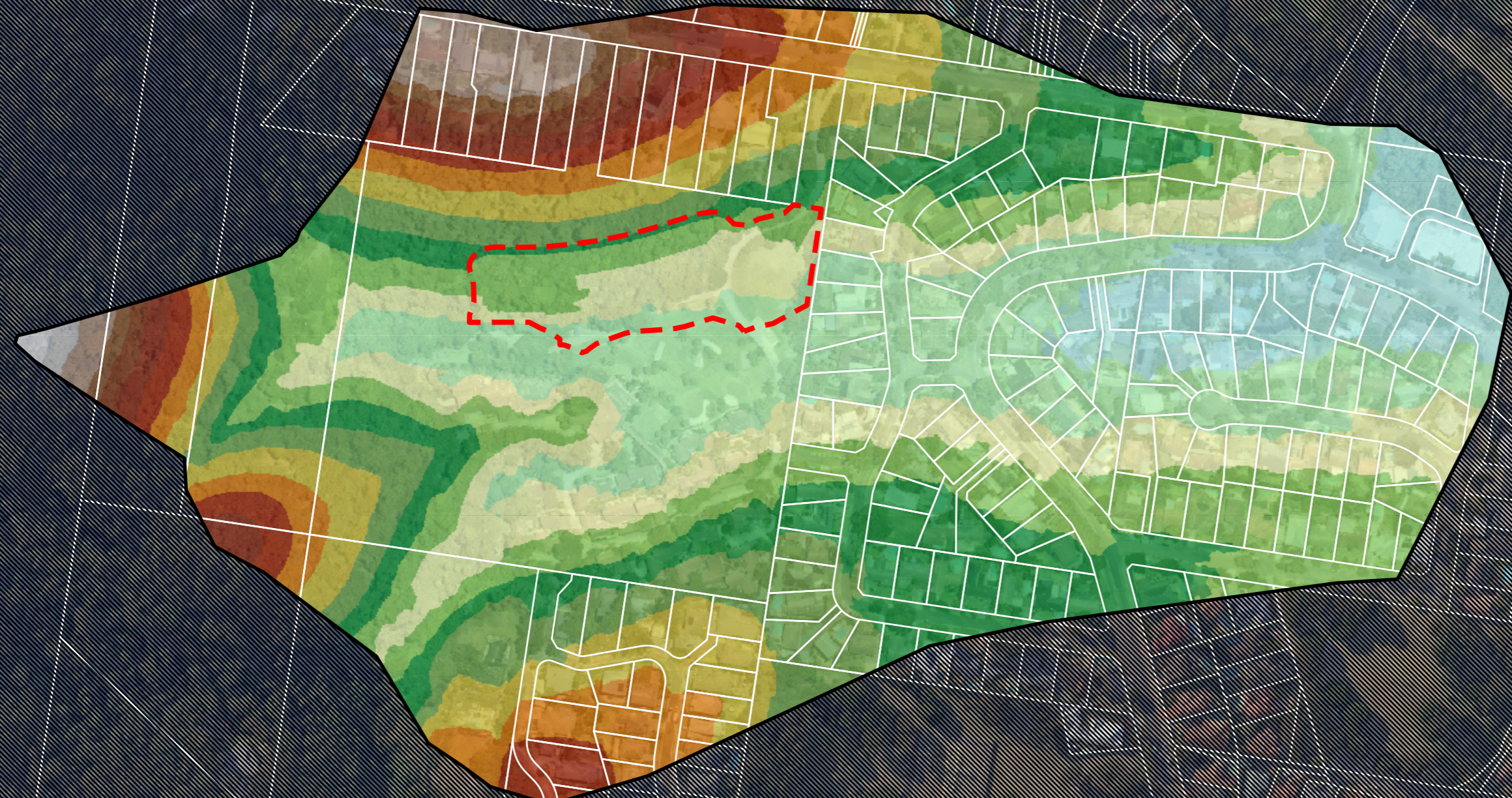
11/10/2019

**Legend**

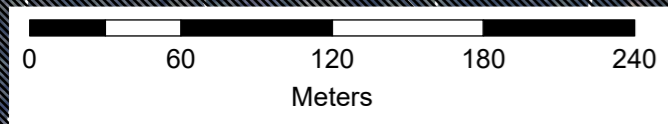
 Indicative Extent of Works

**Elevation (mAHD)**

-  0.0 - 5.0
-  5.0 - 10.0
-  10.0 - 15.0
-  15.0 - 20.0
-  20.0 - 25.0
-  25.0 - 30.0
-  30.0 - 35.0
-  35.0 - 40.0
-  40.0 - 45.0
-  45.0 - 50.0
-  50.0 - 55.0
-  55.0 - 60.0
-  60.0 - 70.0
-  70.0 - 80.0
-  80.0 - 90.0
-  90.0 - 100.0



Path Y:\YEAR 2017 Jobs\NL171426\O - Drawings\MAP\Figures\191011\NL171426\_ArcPro\_Project\_191011.aprx



**Peninsula Gardens  
Retirement Village  
Bayview**



11/10/2019

# Figure A6 [C]















## Developed Scenario

### Mannings Roughness

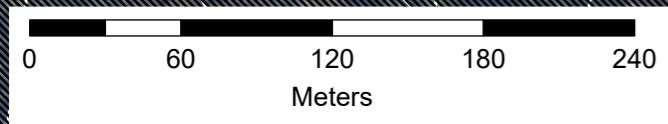


Path Y:\YEAR 2017 Jobs\NL171426\O - Drawings\MAP\Figures\191011\NL171426\_ArcPro\_Project\_191011.aprx

### Legend

-  Indicative Extent of Works
-  Flow Constrictions
- Mannings Roughness**
-  Developed Grass (0.040)
-  Developed Access Track (0.025)
-  Developed Hardstand (0.015)
-  Developed Basin (0.060)
-  Developed Buildings (Varies)
-  Road Reserve (0.020)
-  Rural Residential (0.050)
-  Med Density Residential (0.200)
-  High Density Residential (0.400)
-  Dense Vegetation (0.100)
-  Grassed Areas (0.040)
-  Vegetated Allotment (0.100)

## Peninsula Gardens Retirement Village Bayview



# Figure E1 [C]

Pre to Post Comparison  
Flood Elevation  
1% AEP

11/10/2019



Path Y:\YEAR 2017 Jobs\NL171426\O - Drawings\MAP\Figures\191011\NL171426\_ArcPro\_Project\_191011.aprx

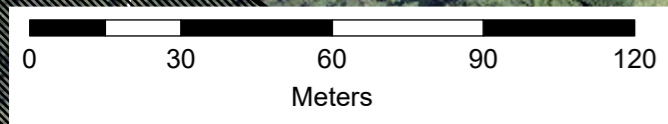
## Legend

- Model Extent
- Indicative Extent of Works
- Cadastre
- Development Layout

## Elevation Comparison (m)

- ≤ -0.500
- 0.499 to -0.250
- 0.249 to -0.100
- 0.099 to -0.050
- 0.049 to -0.010
- 0.009 to -0.005
- 0.004 to 0.004
- 0.005 to 0.010
- 0.011 to 0.050
- 0.051 to 0.100
- 0.101 to 0.250
- 0.251 to 0.500
- >0.501

## Peninsula Gardens Retirement Village Bayview



# Figure E3 [C]

Pre to Post Comparison  
Flood Elevation  
PMF

11/10/2019



Path Y:\YEAR 2017 Jobs\NL171426\O - Drawings\MAP\Figures\191011\NL171426\_ArcPro\_Project\_191011.aprx

## Legend

- Model Extent
- Indicative Extent of Works
- Cadastre
- Development Layout

## Elevation Comparison (m)

- ≤ -0.500
- 0.499 to -0.250
- 0.249 to -0.100
- 0.099 to -0.050
- 0.049 to -0.010
- 0.009 to -0.005
- 0.004 to 0.004
- 0.005 to 0.010
- 0.011 to 0.050
- 0.051 to 0.100
- 0.101 to 0.250
- 0.251 to 0.500
- >0.501

**Peninsula Gardens  
Retirement Village  
Bayview**

