

**Martens & Associates Pty Ltd** ABN 85 070 240 890

Drawn:	MGD
Approved:	DMM
Date:	15.07.22
Scale:	nts

**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Velocity – 1 in 100 Year ARI With Climate Change.  
Moonee Creek Flood (Scenario 5) Existing Conditions**

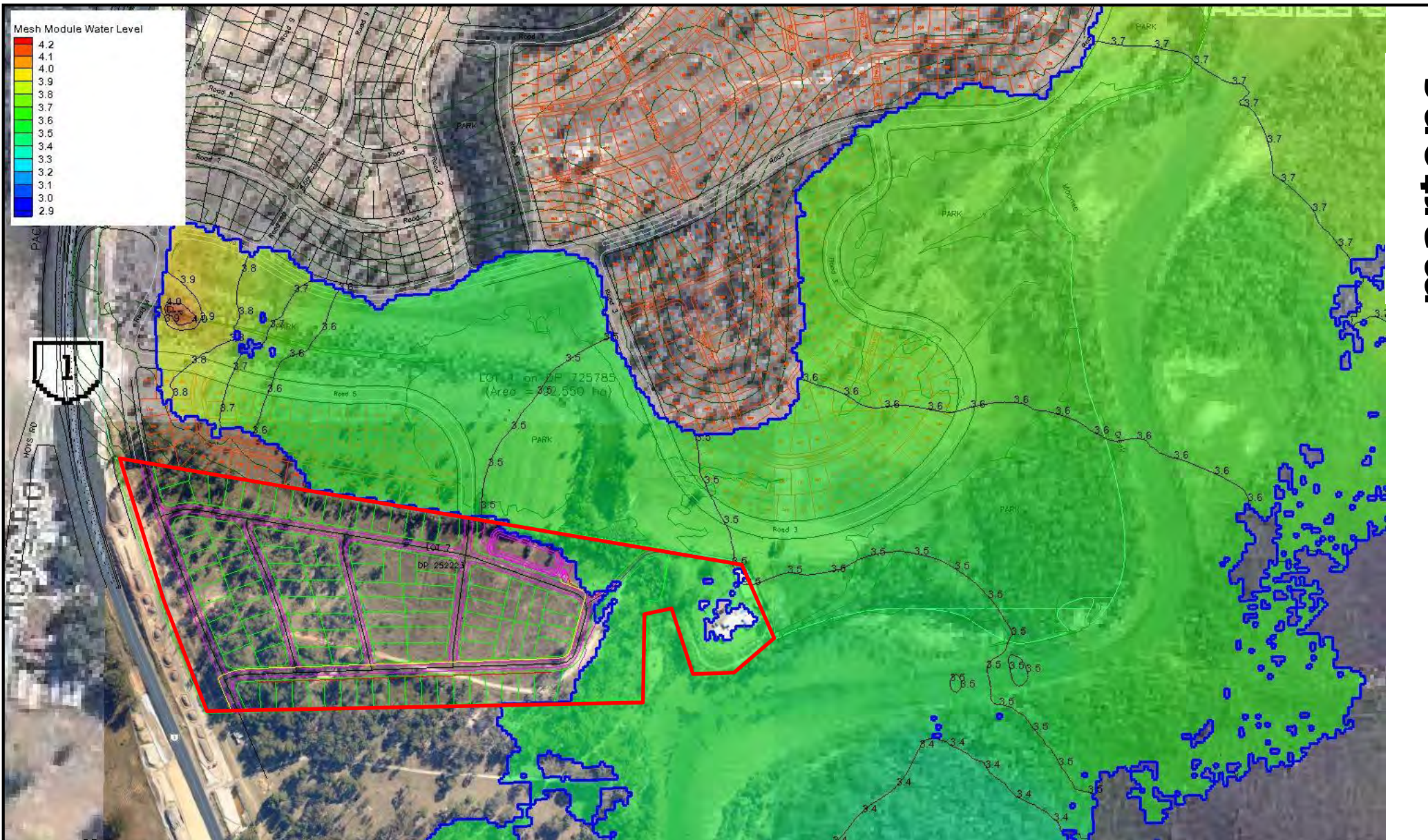
**FIGURE 32**

Job No: P1002663

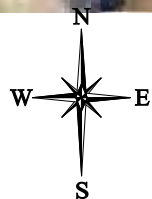








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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

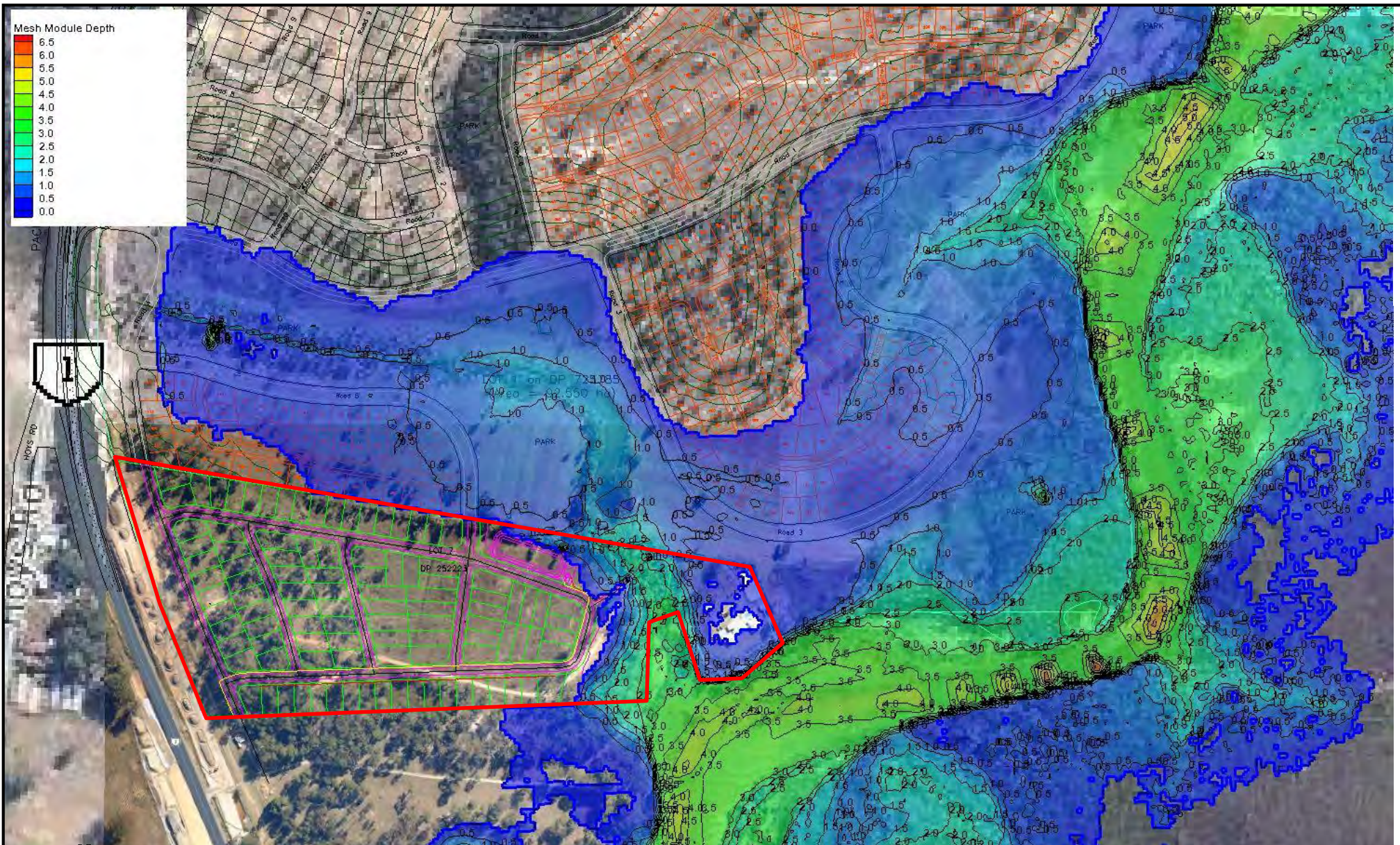
Drawn:	MGD
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**Peak Water Level – 1 in 100 Year ARI With Climate Change.  
Moonee Creek Flood (Scenario 5) Developed Conditions**

**FIGURE 34**

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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

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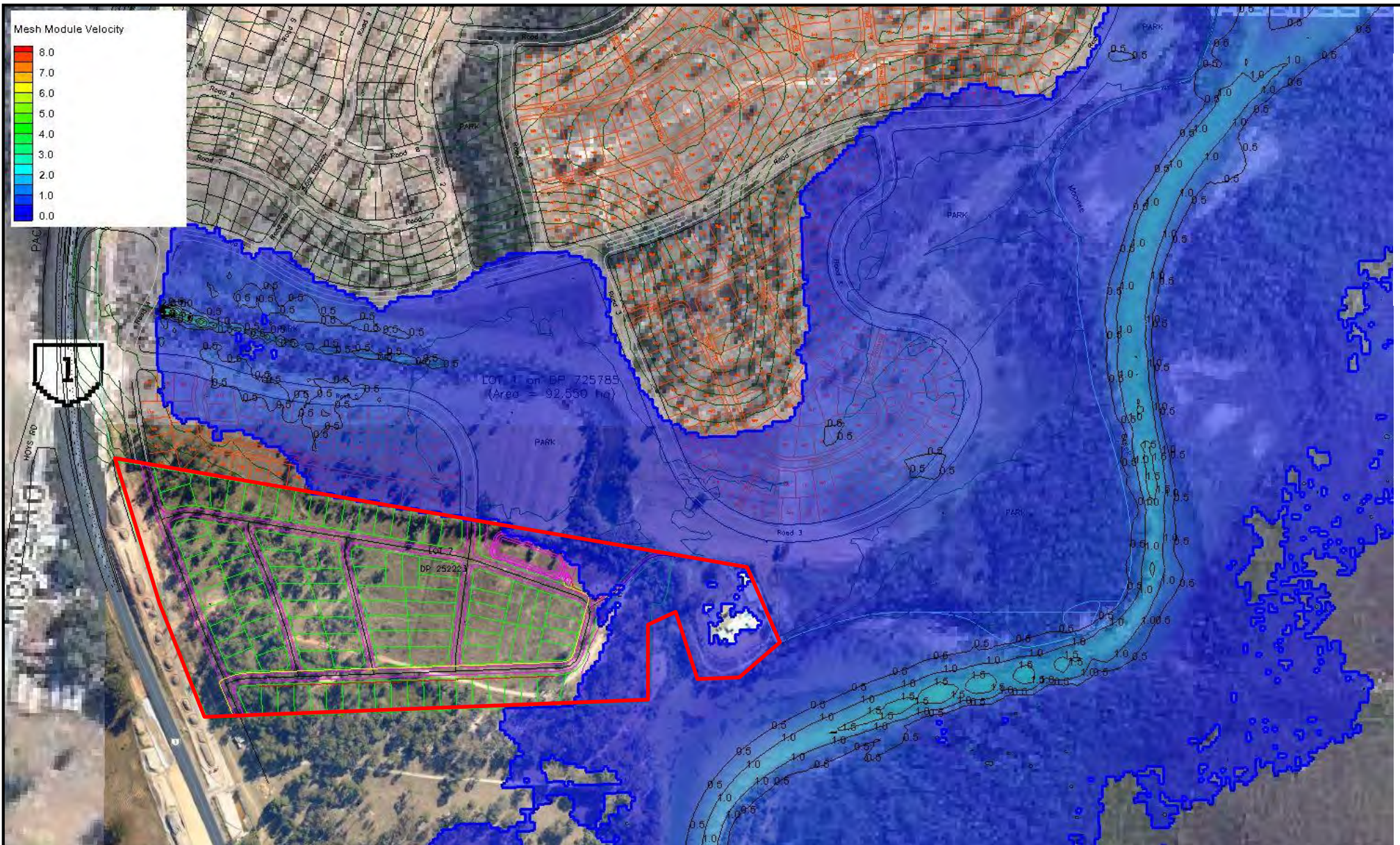
Scale: nts

**Peak Depth – 1 in 100 Year ARI With Climate Change.  
Moonee Creek Flood (Scenario 5) Developed Conditions**

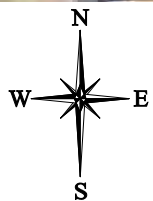
**FIGURE 35**

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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

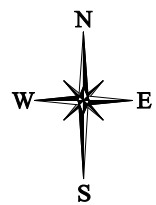
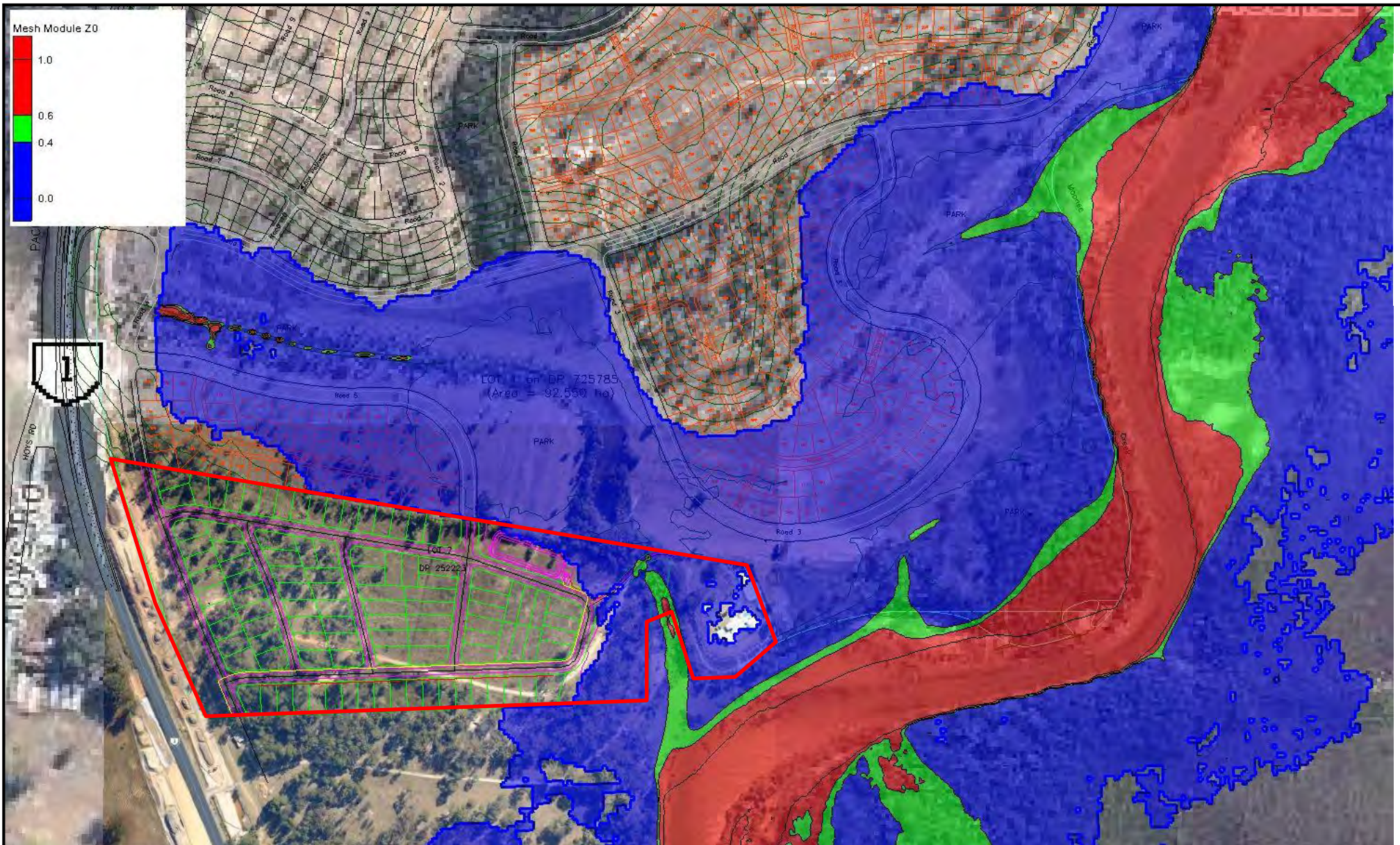
Drawn:	MGD
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**Peak Velocity – 1 in 100 Year ARI With Climate Change.  
Moonee Creek Flood (Scenario 5) Developed Conditions**

**FIGURE 36**

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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth x Velocity Product – 1 in 100 Year ARI With  
Climate Change. Moonee Creek Flood (Scenario 5)  
Developed Conditions**

**FIGURE 37**

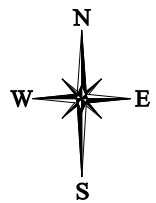
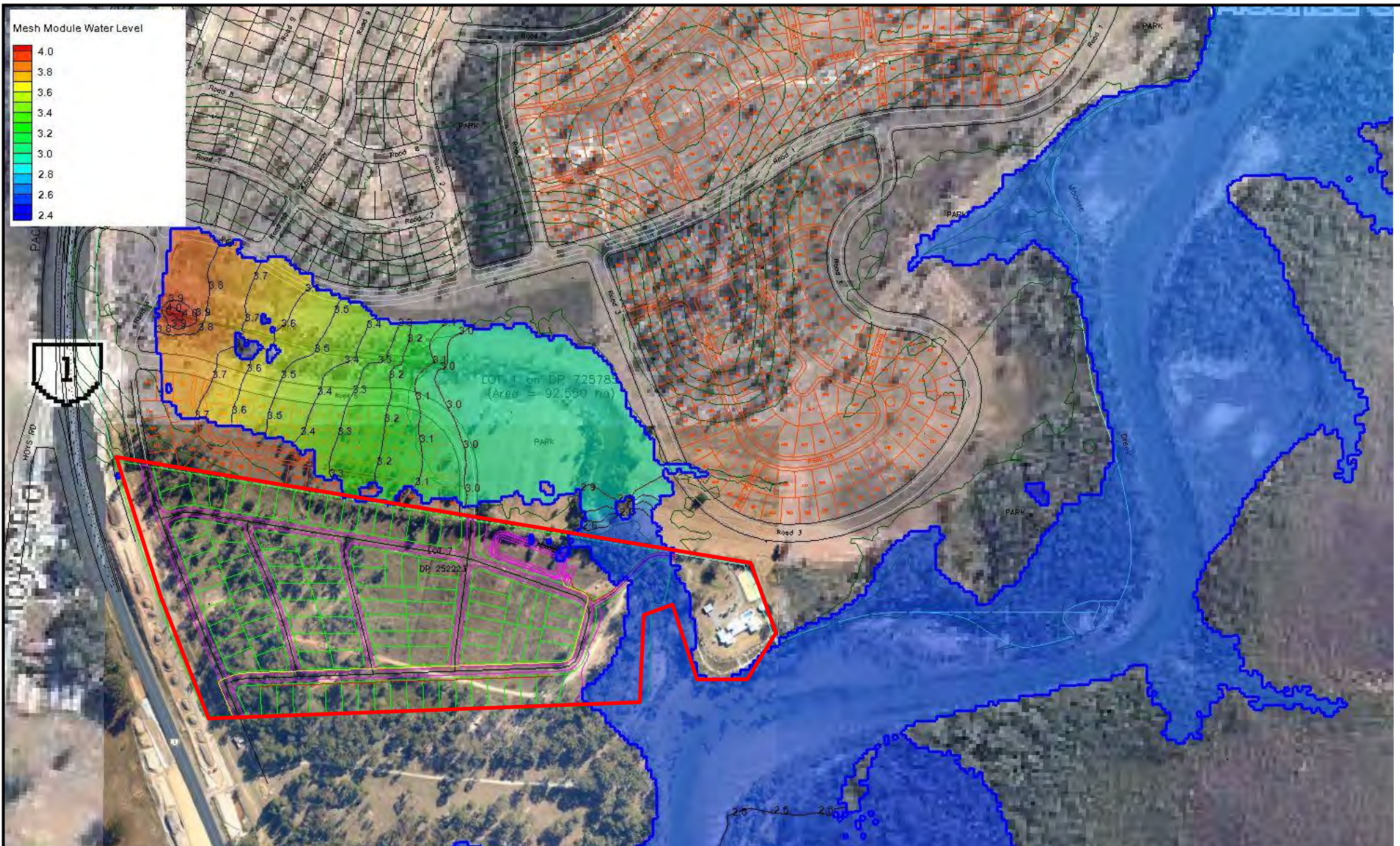
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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

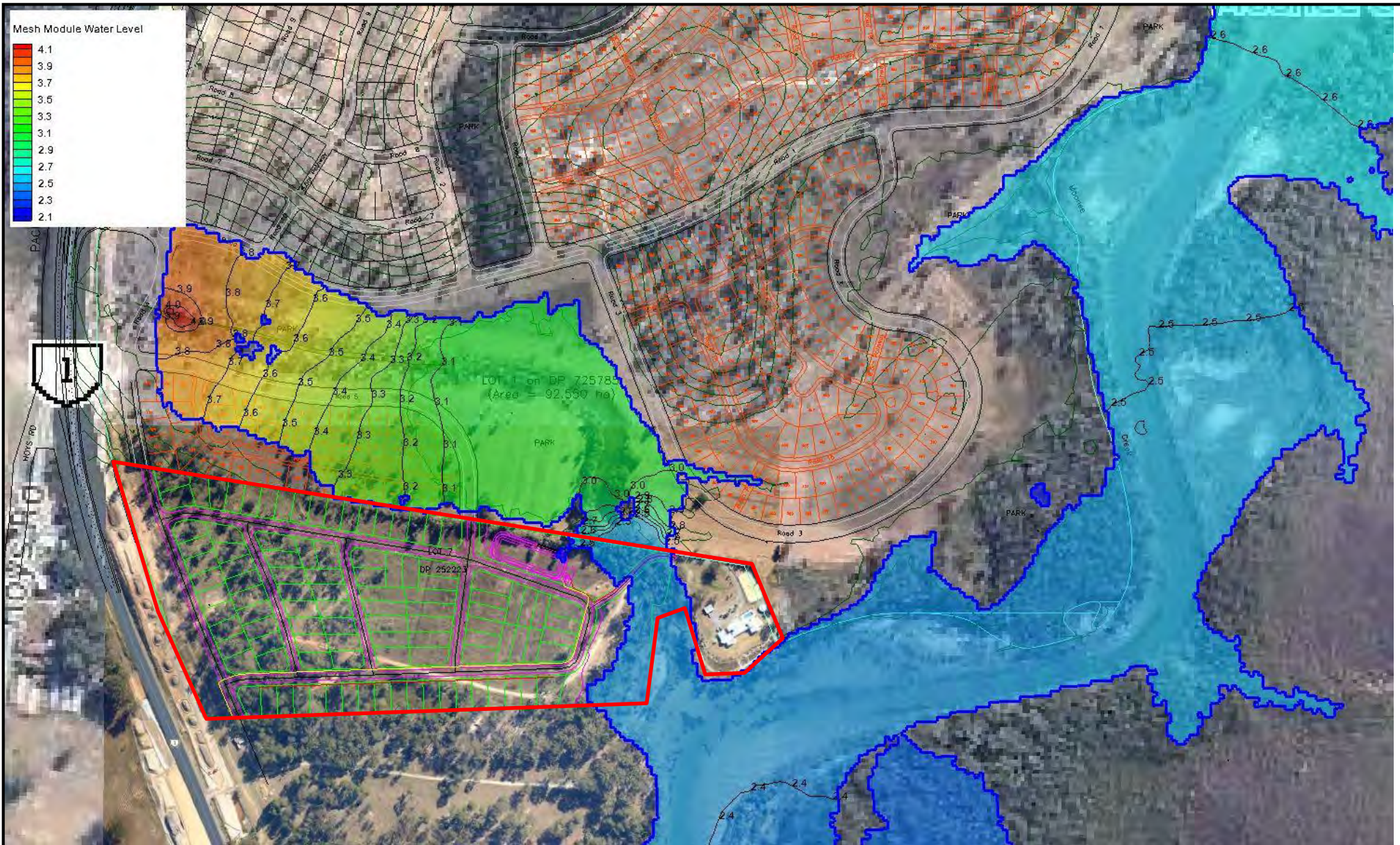
**Peak Water Level – 1 in 20 Year Bucca Creek Flood, 1 in 100 Year Sea Level (Scenario 6) Existing Conditions**

**FIGURE 39**

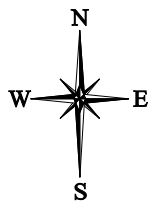
Job No: P1002663

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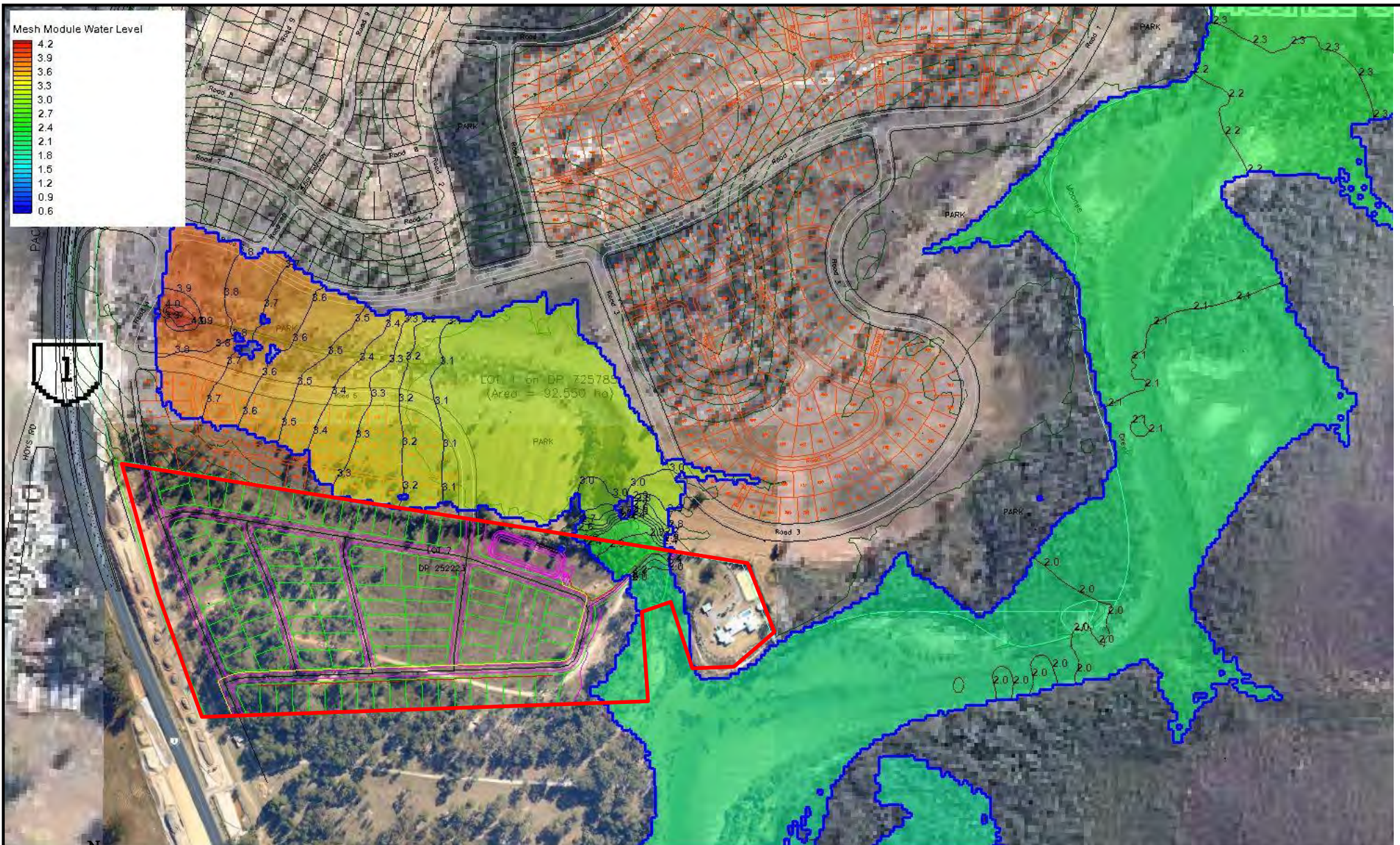


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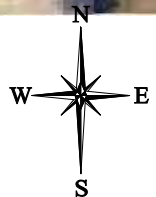


Martens & Associates Pty Ltd ABN 85 070 240 890		Environment   Water   Wastewater   Geotechnical   Civil   Management	
Drawn:	MGD	Peak Water Level – 1 in 100 Year Bucca Creek Flood, 1 in 20 Year Sea Level (Scenario 7) Existing Conditions	FIGURE 40
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Date:	15.07.22		Job No: P1002663
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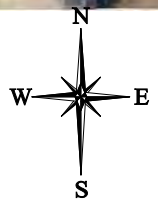
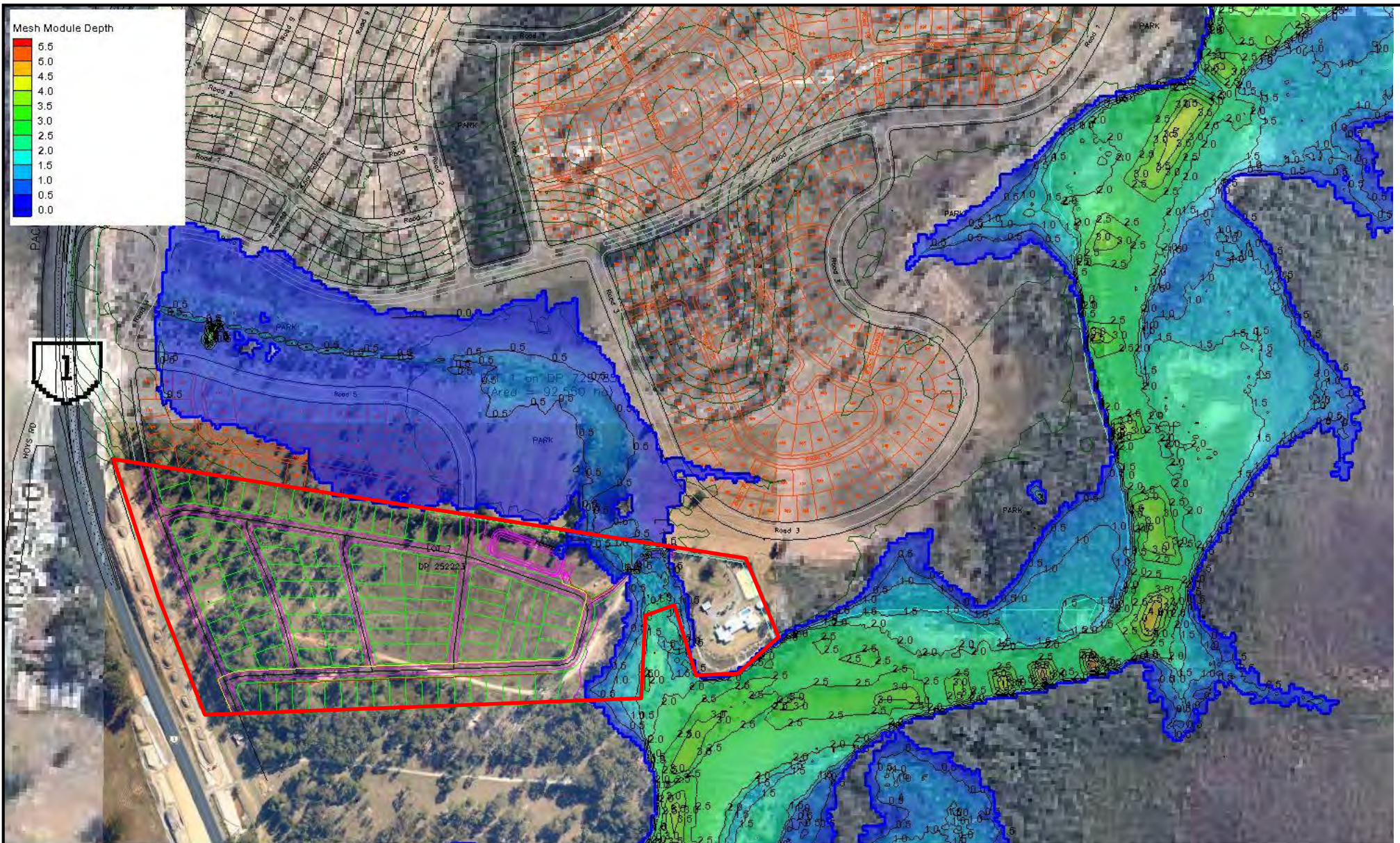


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Drawn:	MGD	Peak Water Level – 1 in 100 Year Bucca Creek Flood, Neap Tide Sea Level (Scenario 8) Existing Conditions	FIGURE 41
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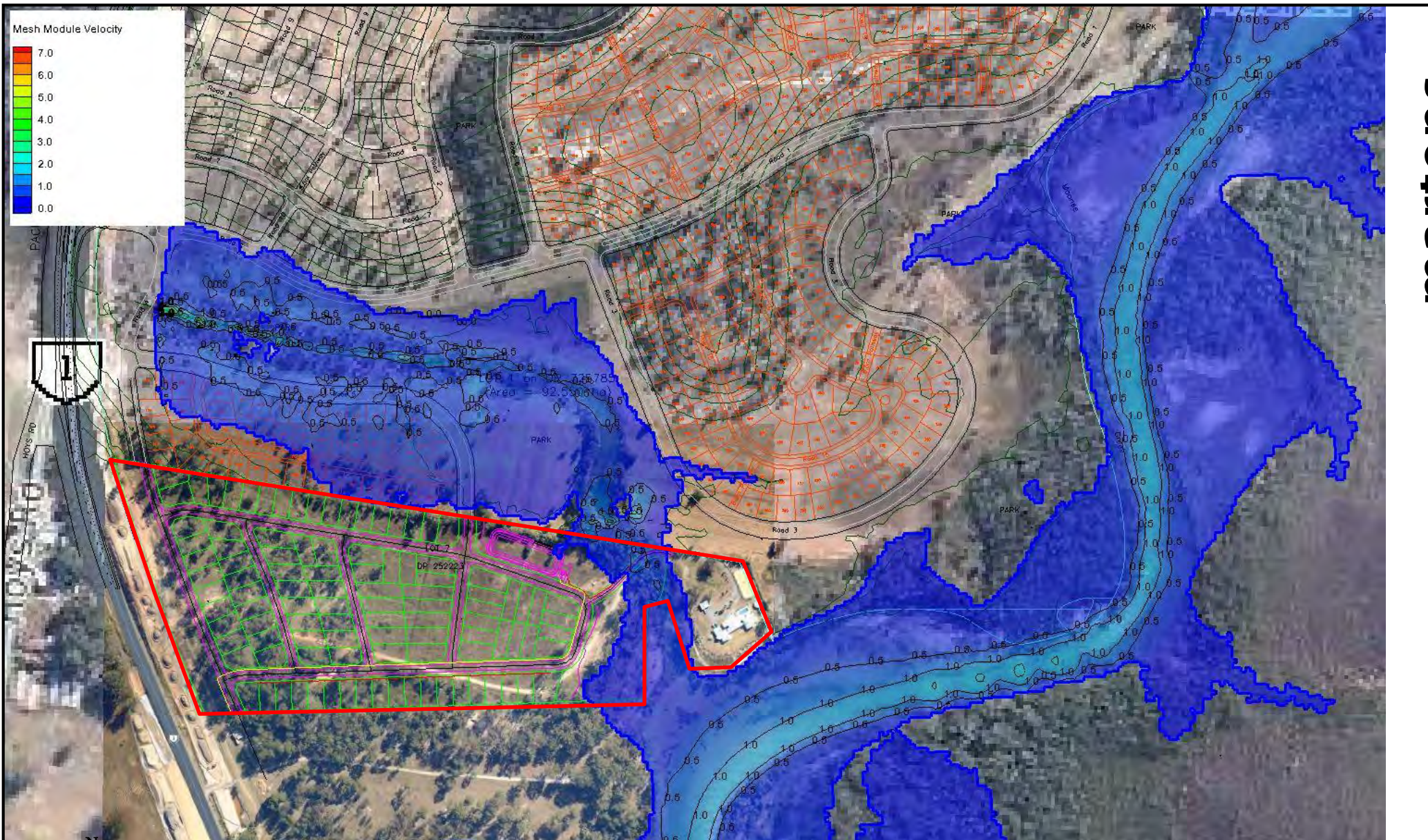
**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth – 1 in 100 Year Bucca Creek Flood, 1 in 20 Year Sea Level (Scenario 7) Existing Conditions**

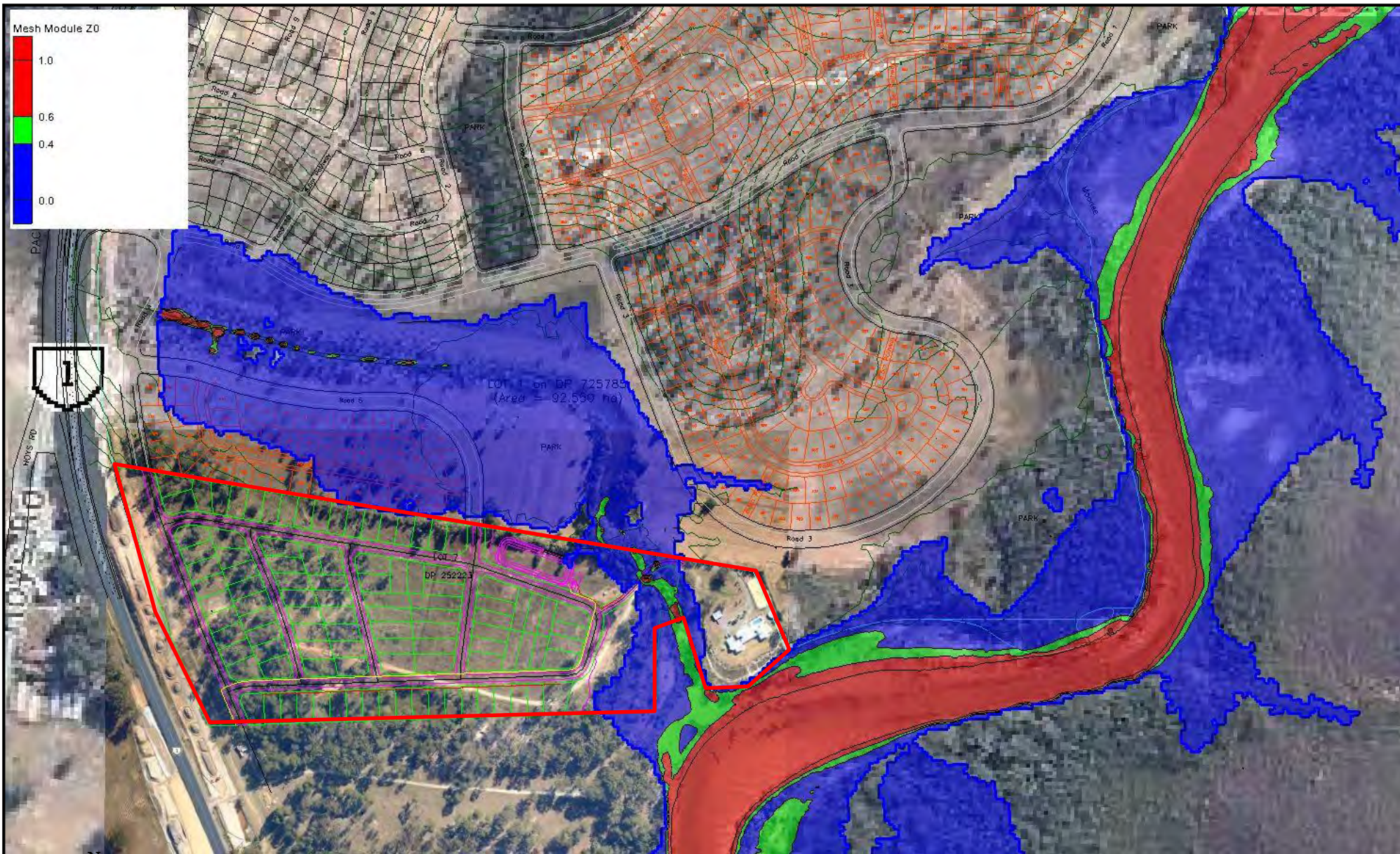
**FIGURE 42**

Job No: P1002663

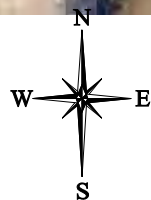








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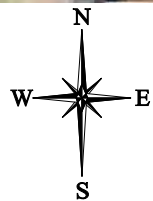
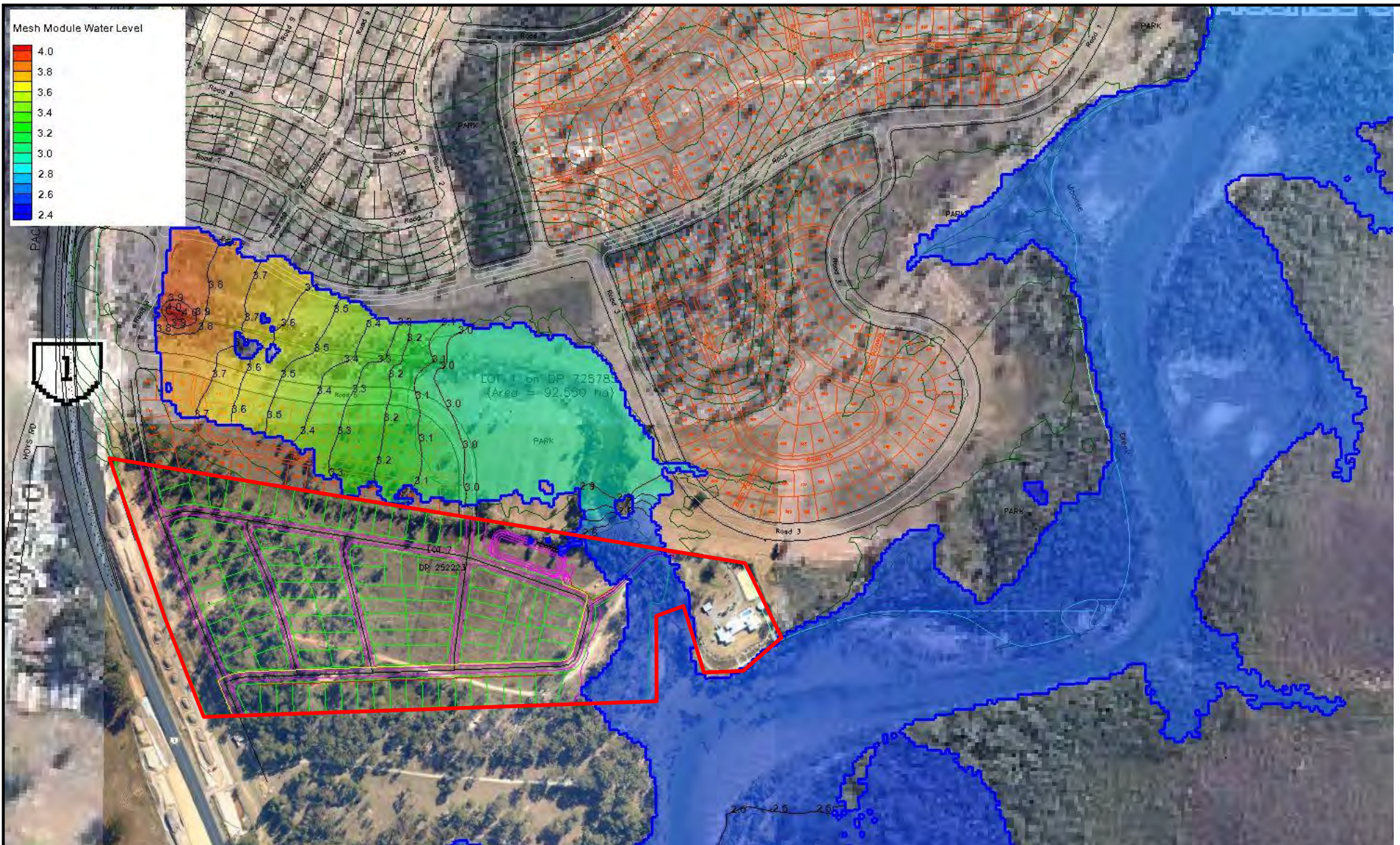
**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth x Velocity Product – 1 in 100 Year Bucca Creek Flood, 1 in 20 Year Sea Level (Scenario 7) Existing Conditions**

**FIGURE 44**

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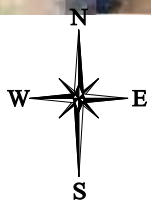
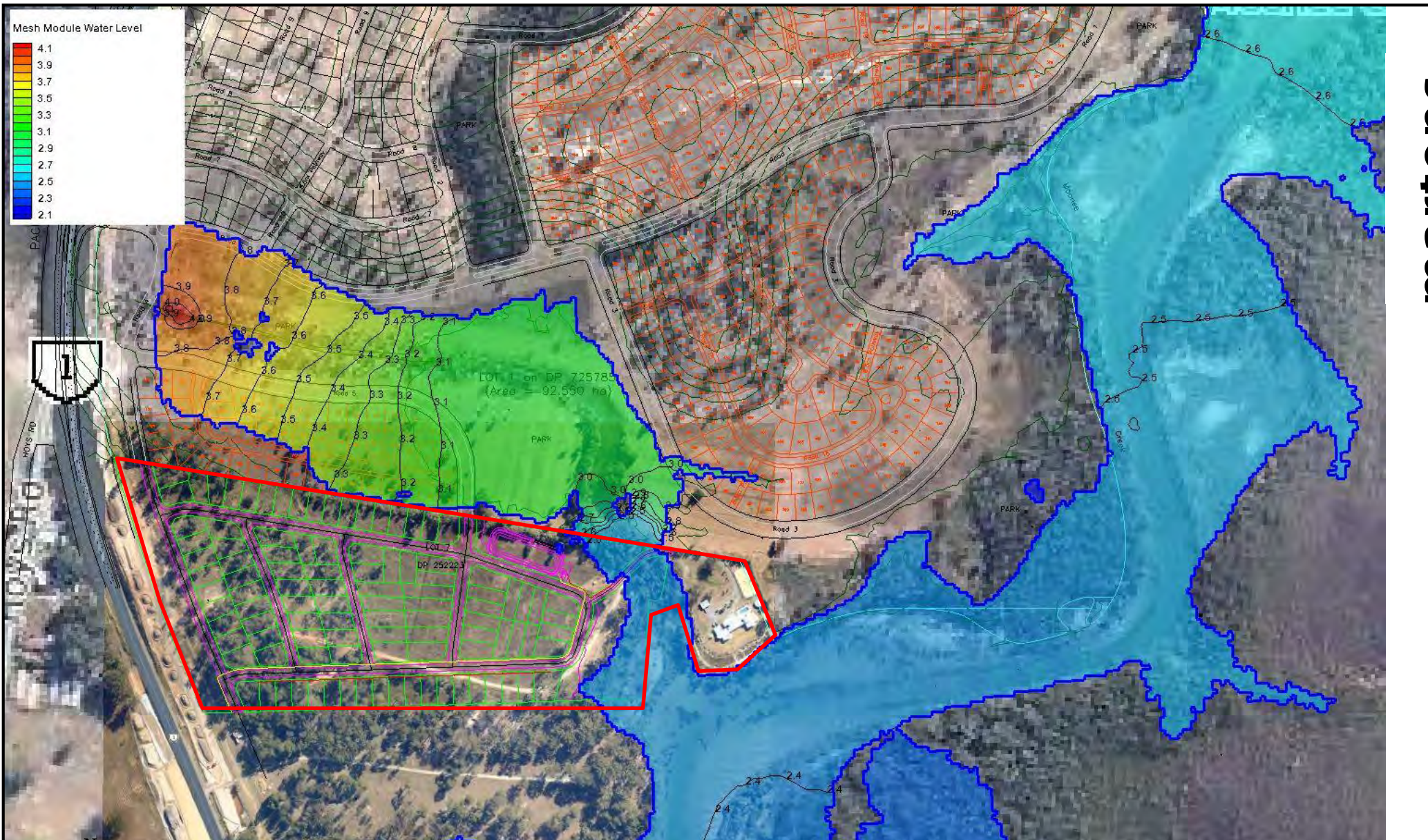
**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Water Level – 1 in 20 Year Bucca Creek Flood, 1 in 100 Year Sea Level (Scenario 6) Developed Conditions**

**FIGURE 45**

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Scale:	nts

**Environment | Water | Wastewater | Geotechnical | Civil | Management**

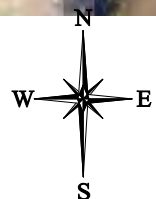
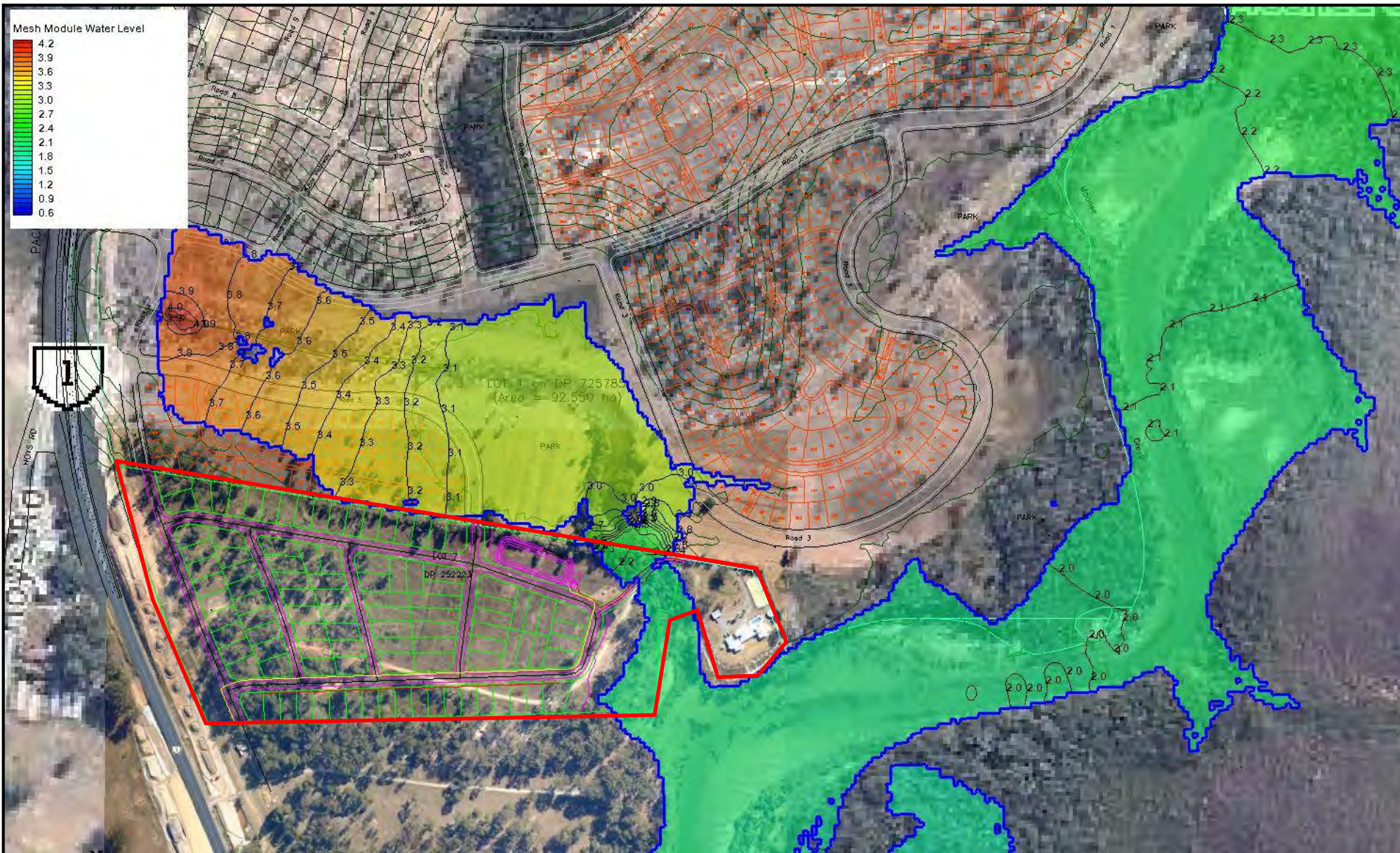
**Peak Water Level – 1 in 100 Year Bucca Creek Flood, 1 in 20 Year Sea Level (Scenario 7) Developed Conditions**

**FIGURE 46**

Job No: P1002663

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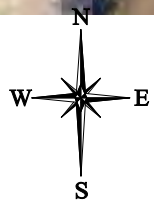
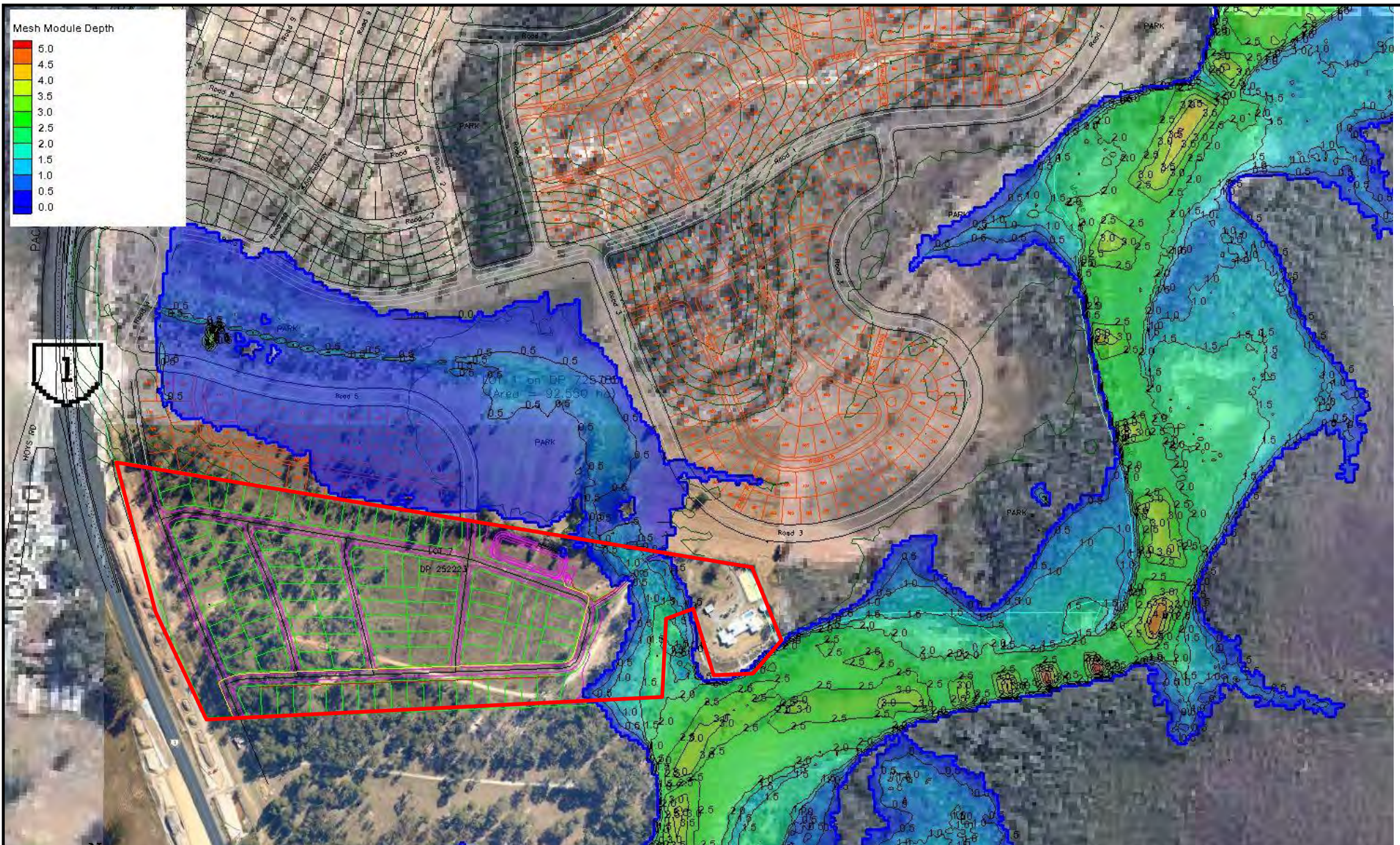




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Scale:	nts

<b>Environment   Water   Wastewater   Geotechnical   Civil   Management</b>	
<b>Peak Water Level – 1 in 100 Year Bucca Creek Flood, Neap Tide Sea Level (Scenario 8) Developed Conditions</b>	<b>FIGURE 47</b>
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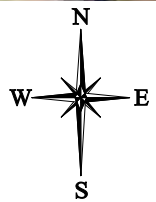
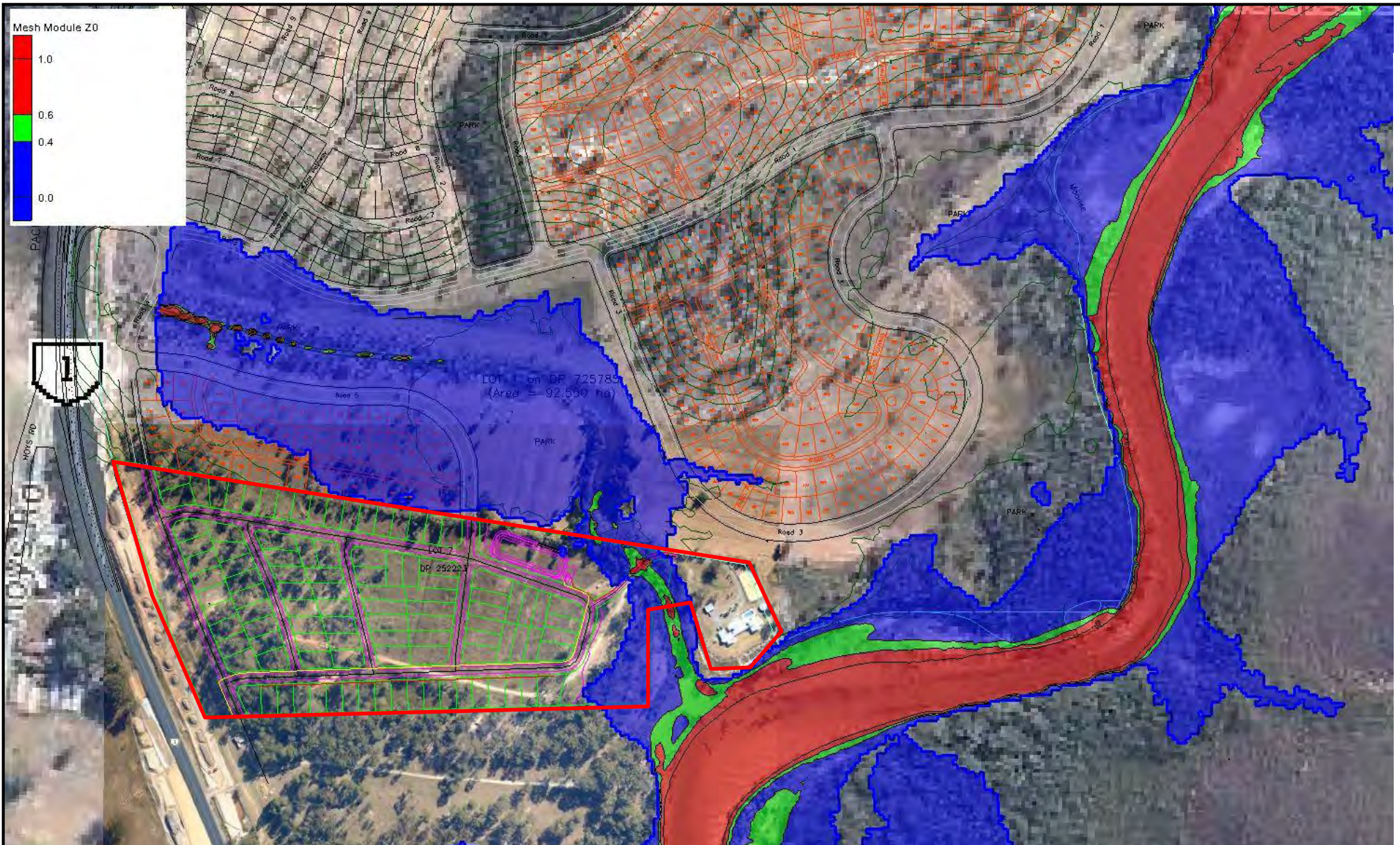
<b>Martens &amp; Associates Pty Ltd</b> ABN 85 070 240 890	
Drawn:	MGD
Approved:	DMM
Date:	15.07.22
Scale:	nts

<b>Environment   Water   Wastewater   Geotechnical   Civil   Management</b>	
<b>Peak Depth – 1 in 100 Year Bucca Creek Flood, 1 in 20 Year Sea Level (Scenario 7) Developed Conditions</b>	<b>FIGURE 48</b>
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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth x Velocity – 1 in 100 Year Bucca Creek Flood,  
1 in 20 Year Sea Level (Scenario 7) Proposed Conditions**

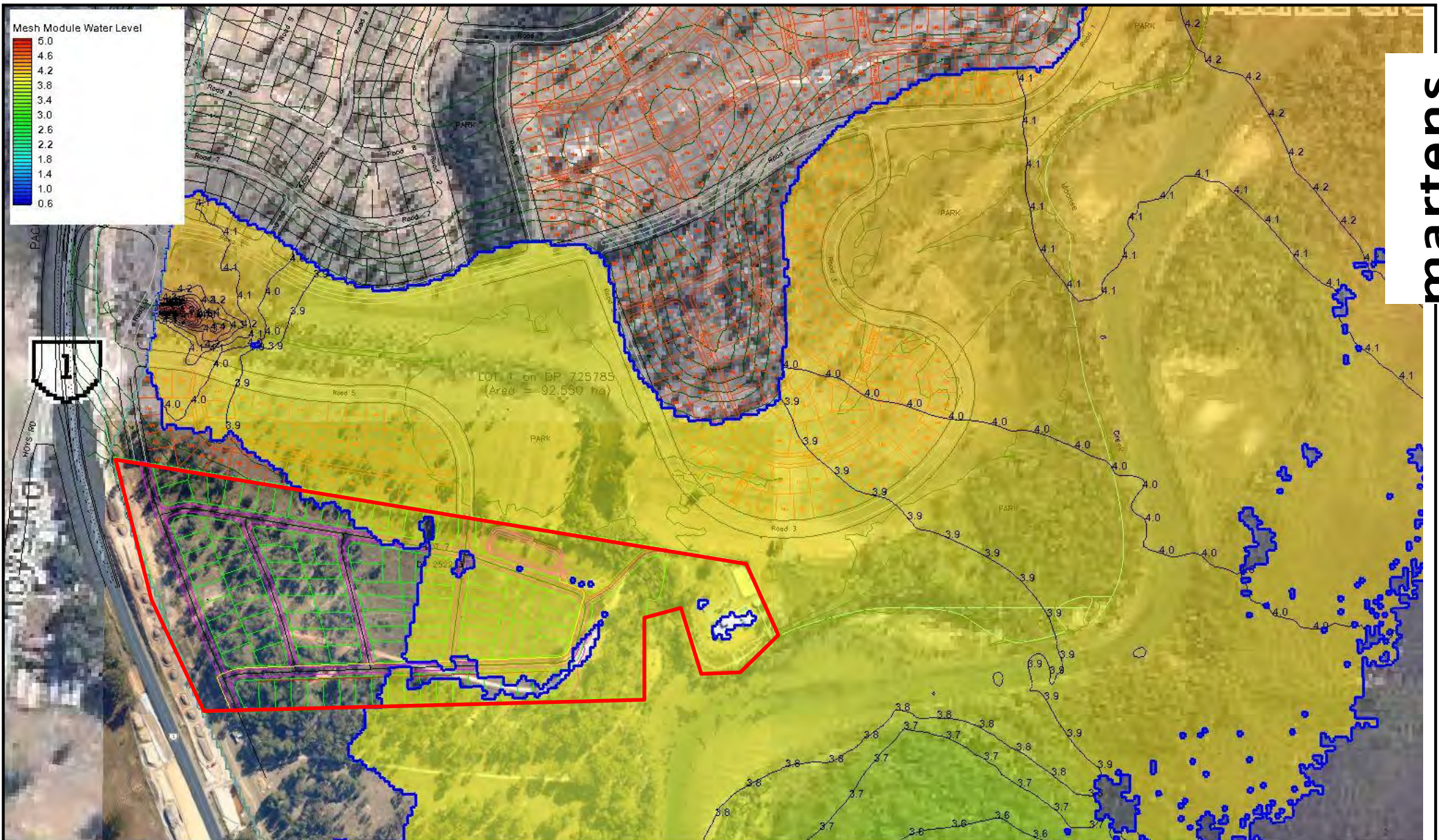
**FIGURE 50**

Job No: P1002663

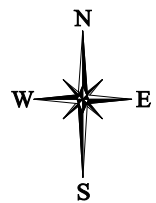






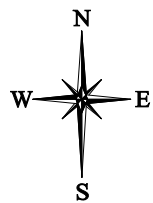
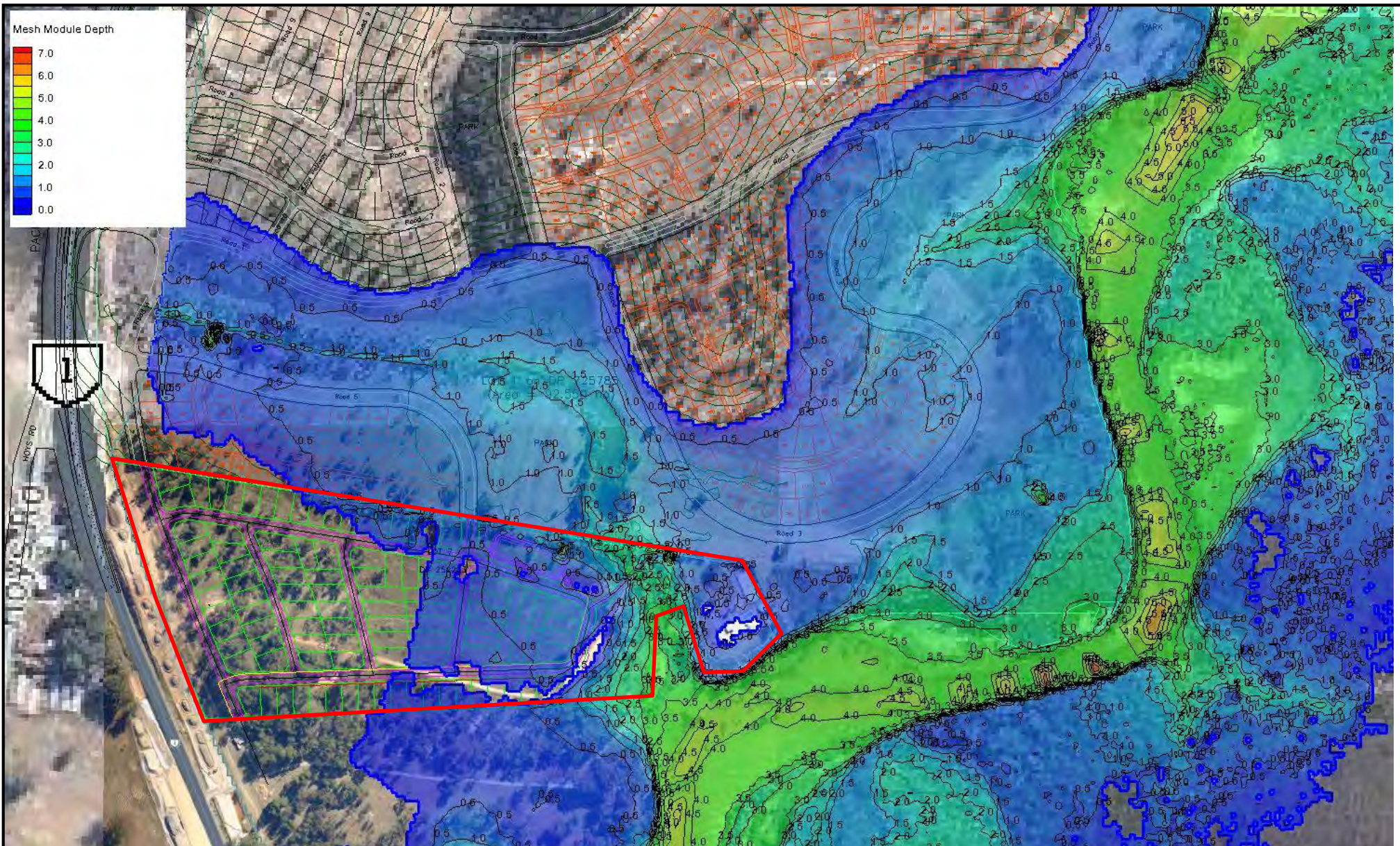


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Drawn:	MGD	Peak Water Level – PMF Bucca Creek Flood (Scenario 9) Existing Conditions	FIGURE 52
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Date:	15.07.22		
Scale:	nts		Job No: P1002663





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Date: 15.07.22

Scale: nts

**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth – PMF Bucca Creek Flood (Scenario 9) Existing Conditions**

**FIGURE 53**

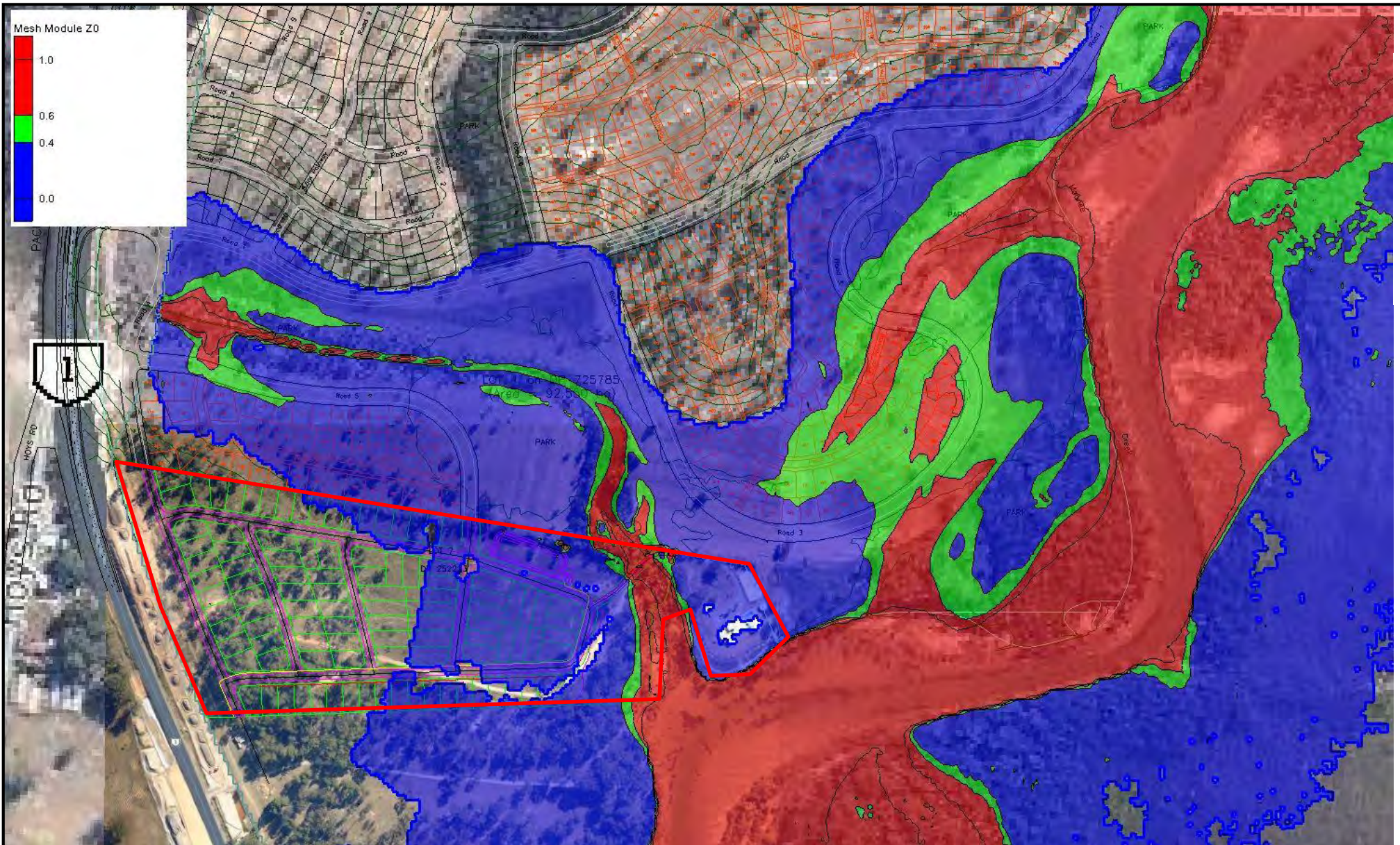
Job No: P1002663

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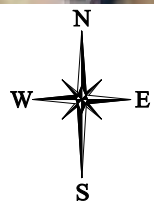








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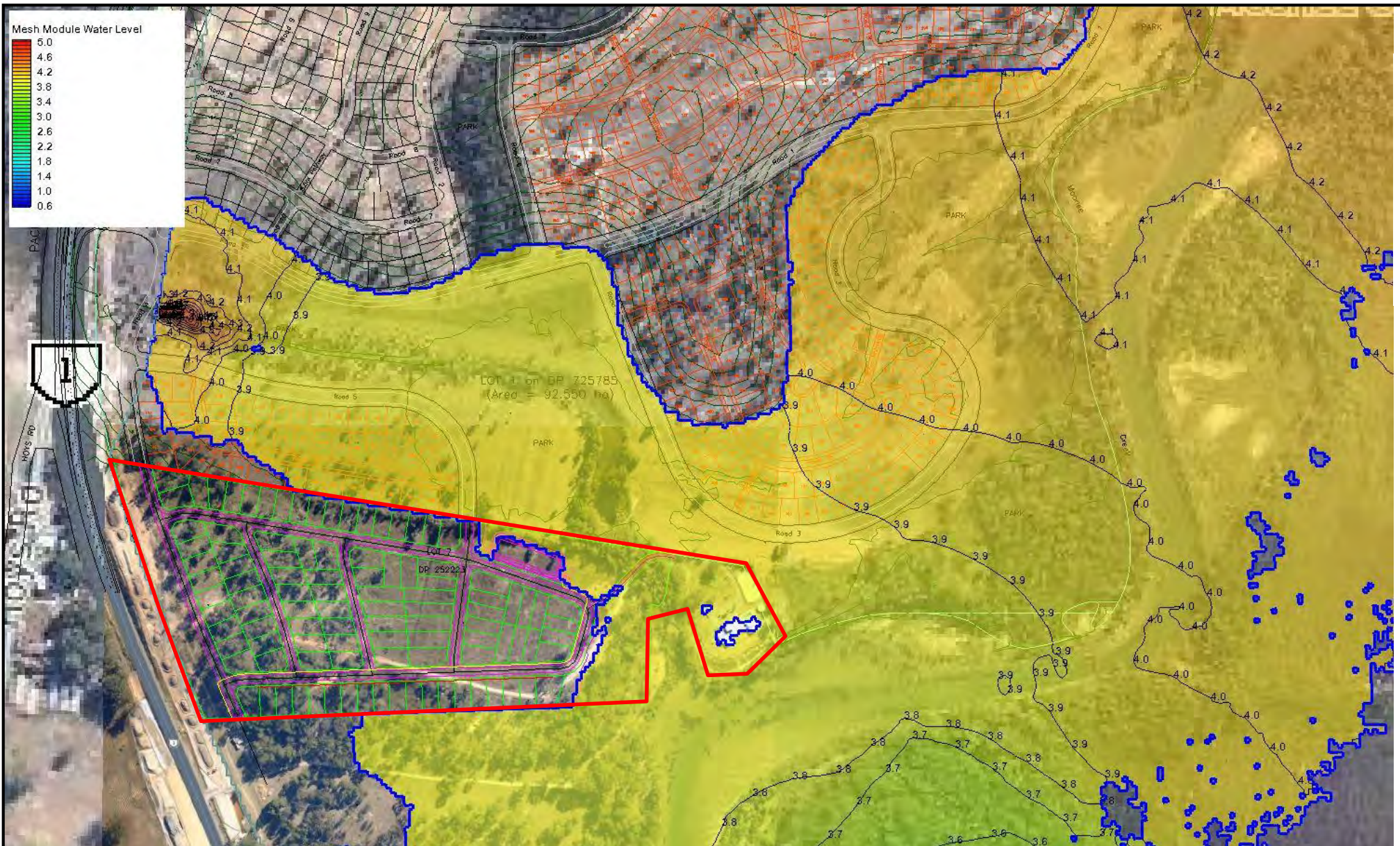
**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth x Velocity – PMF Bucca Creek Flood (Scenario 9) Existing Conditions**

**FIGURE 55**

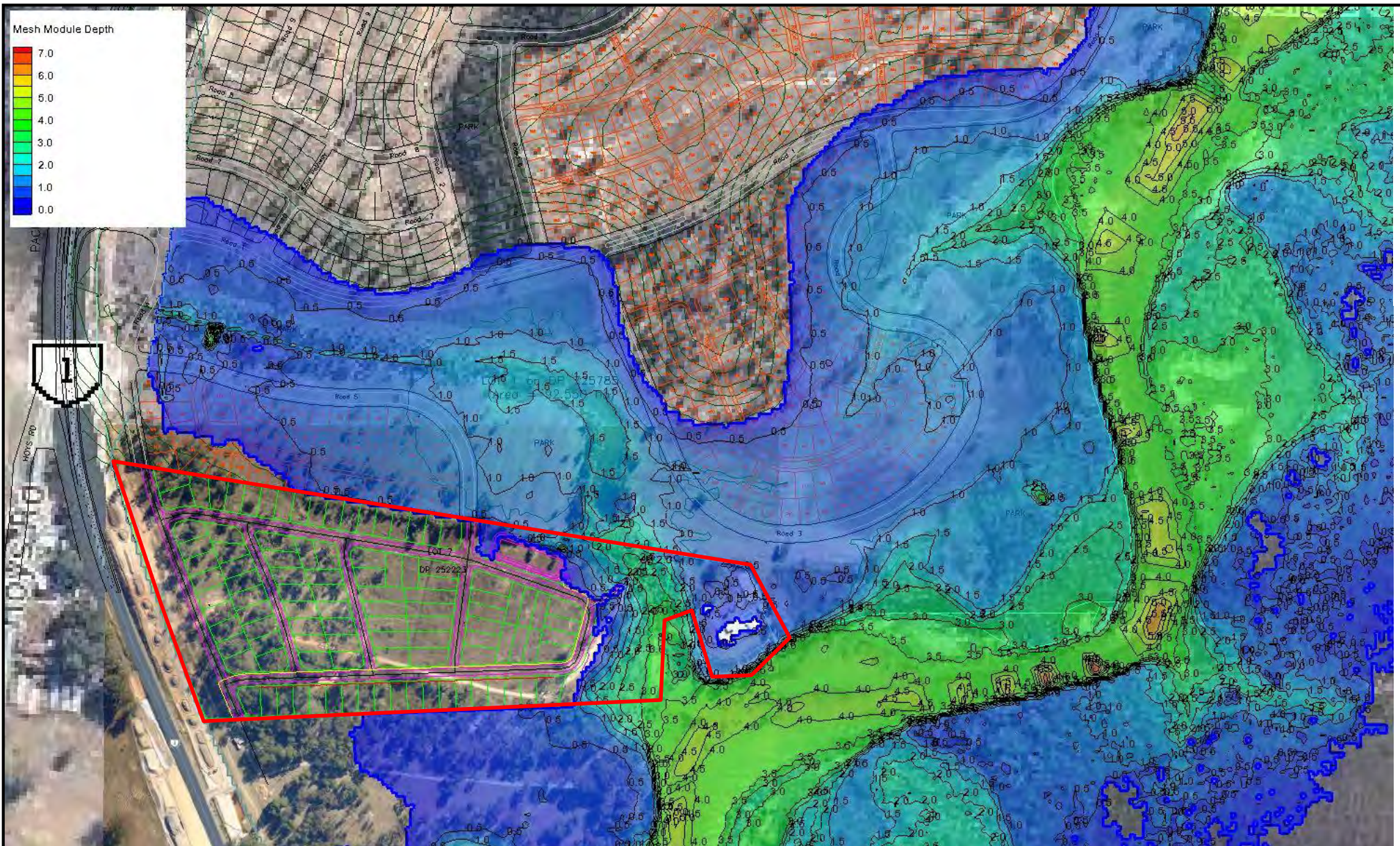
Job No: P1002663



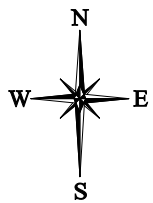


Martens & Associates Pty Ltd ABN 85 070 240 890		Environment   Water   Wastewater   Geotechnical   Civil   Management	
Drawn:	MGD	Peak Water Level – PMF Bucca Creek Flood (Scenario 9) Developed Conditions	FIGURE 56
Approved:	DMM		
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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

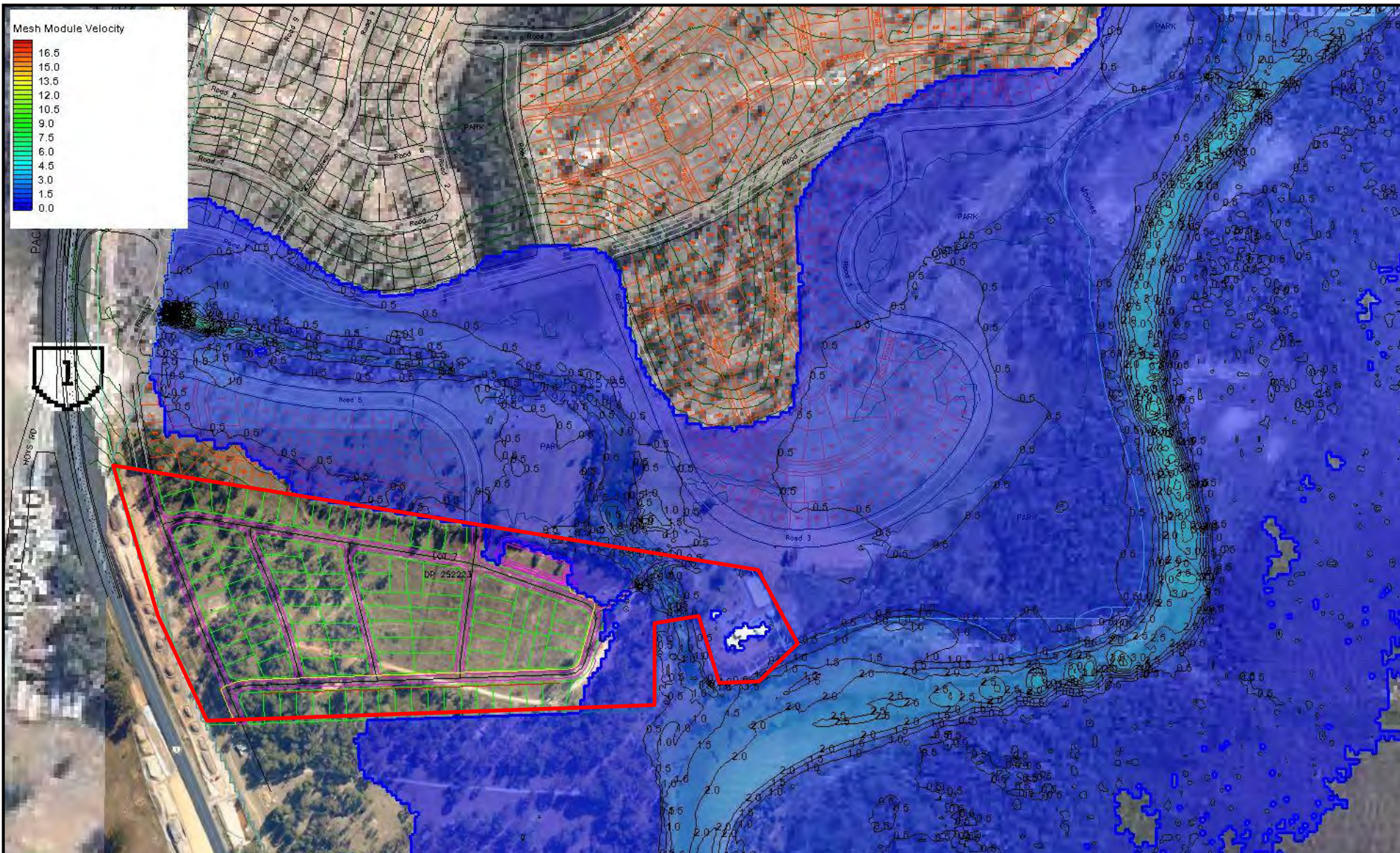
Drawn:	MGD
Approved:	DMM
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Scale:	nts

**Peak Depth – PMF Bucca Creek Flood (Scenario 9)  
Developed Conditions**

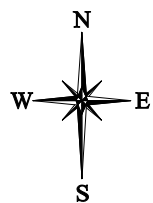
**FIGURE 57**

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**Environment | Water | Wastewater | Geotechnical | Civil | Management**

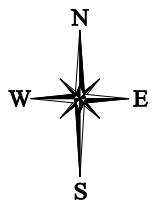
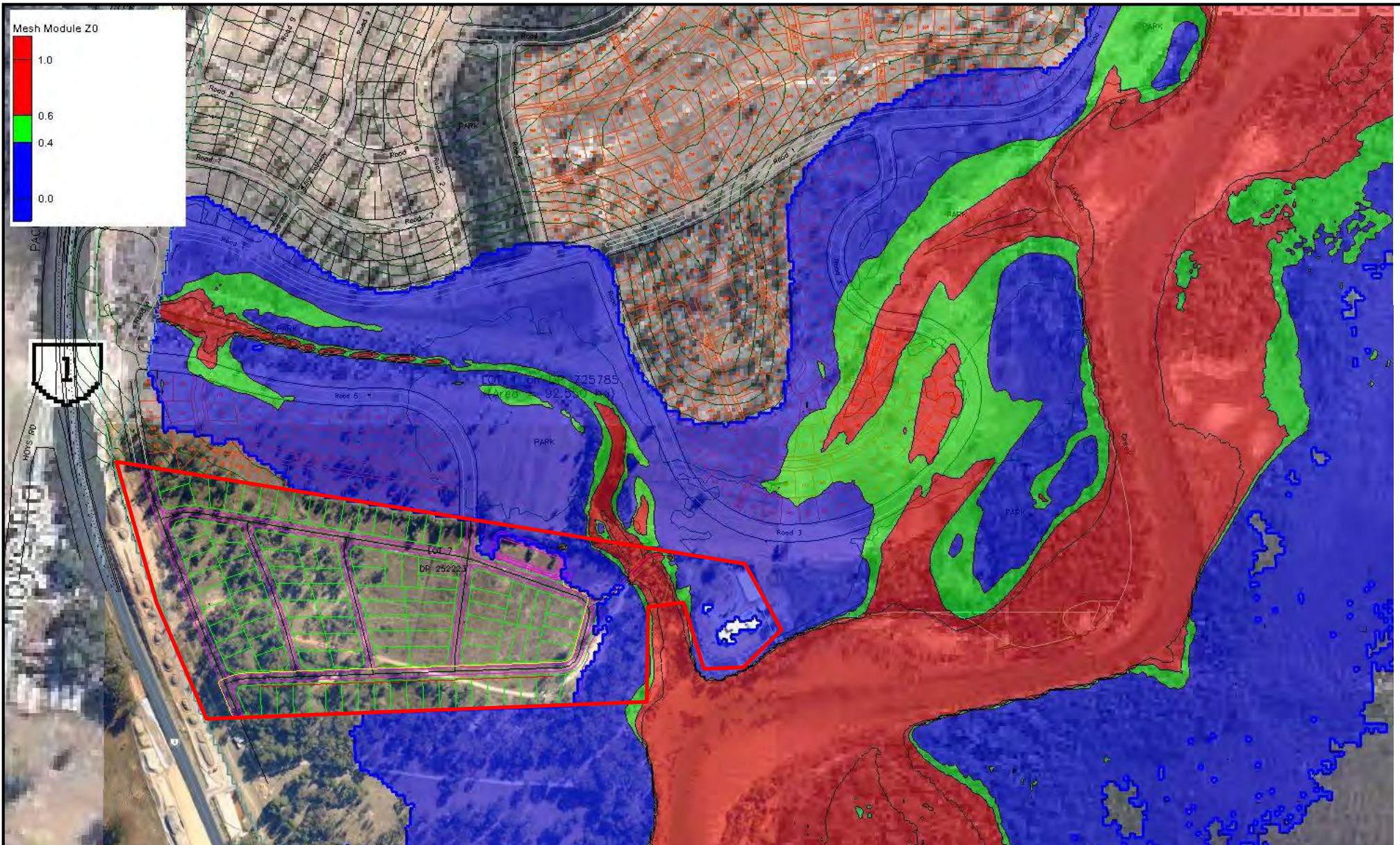
Drawn:	MGD
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**Peak Velocity – PMF Bucca Creek Flood (Scenario 9)  
Developed Conditions**

**FIGURE 58**

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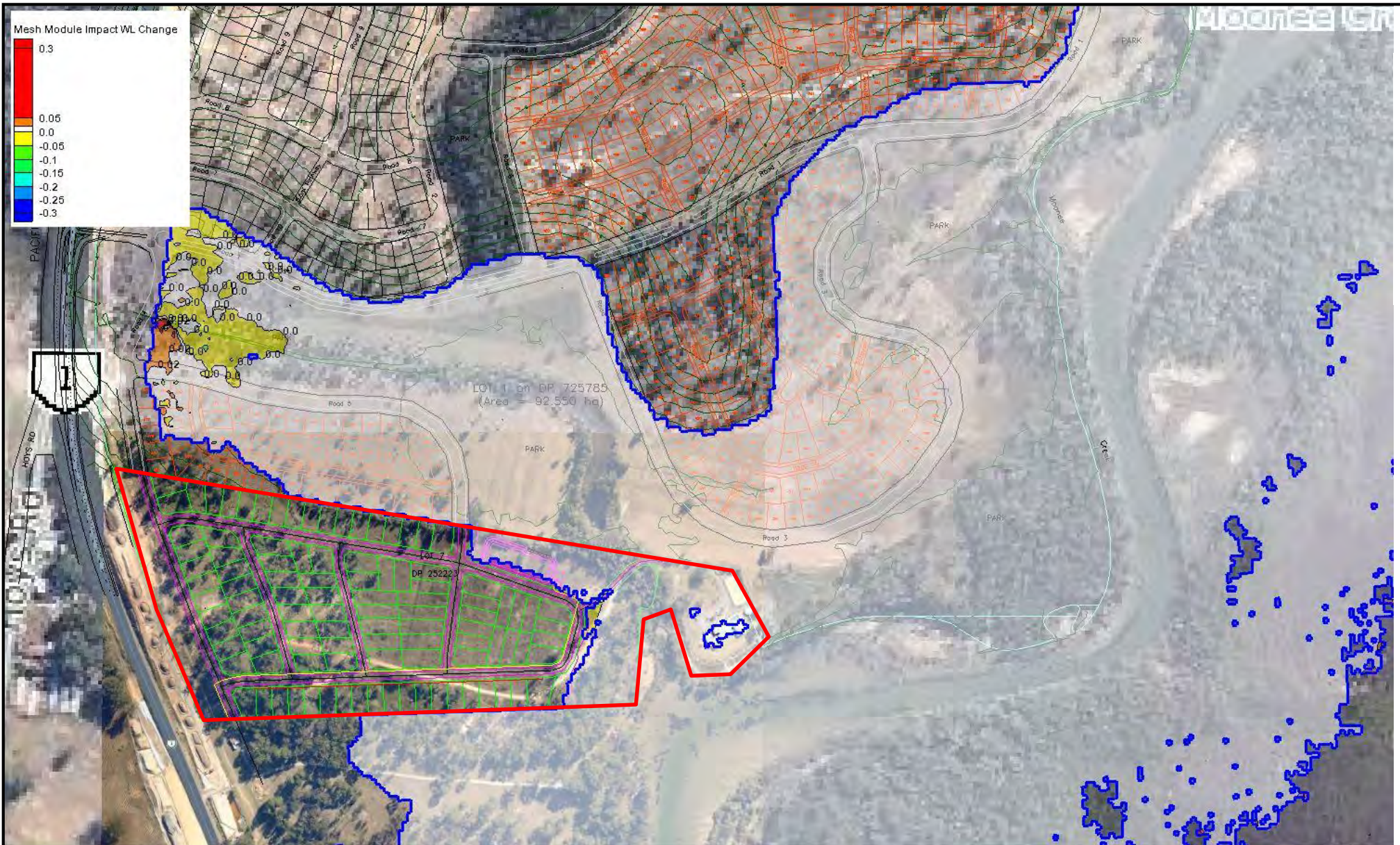
**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth x Velocity – PMF Bucca Creek Flood (Scenario 9) Developed Conditions**

**FIGURE 59**

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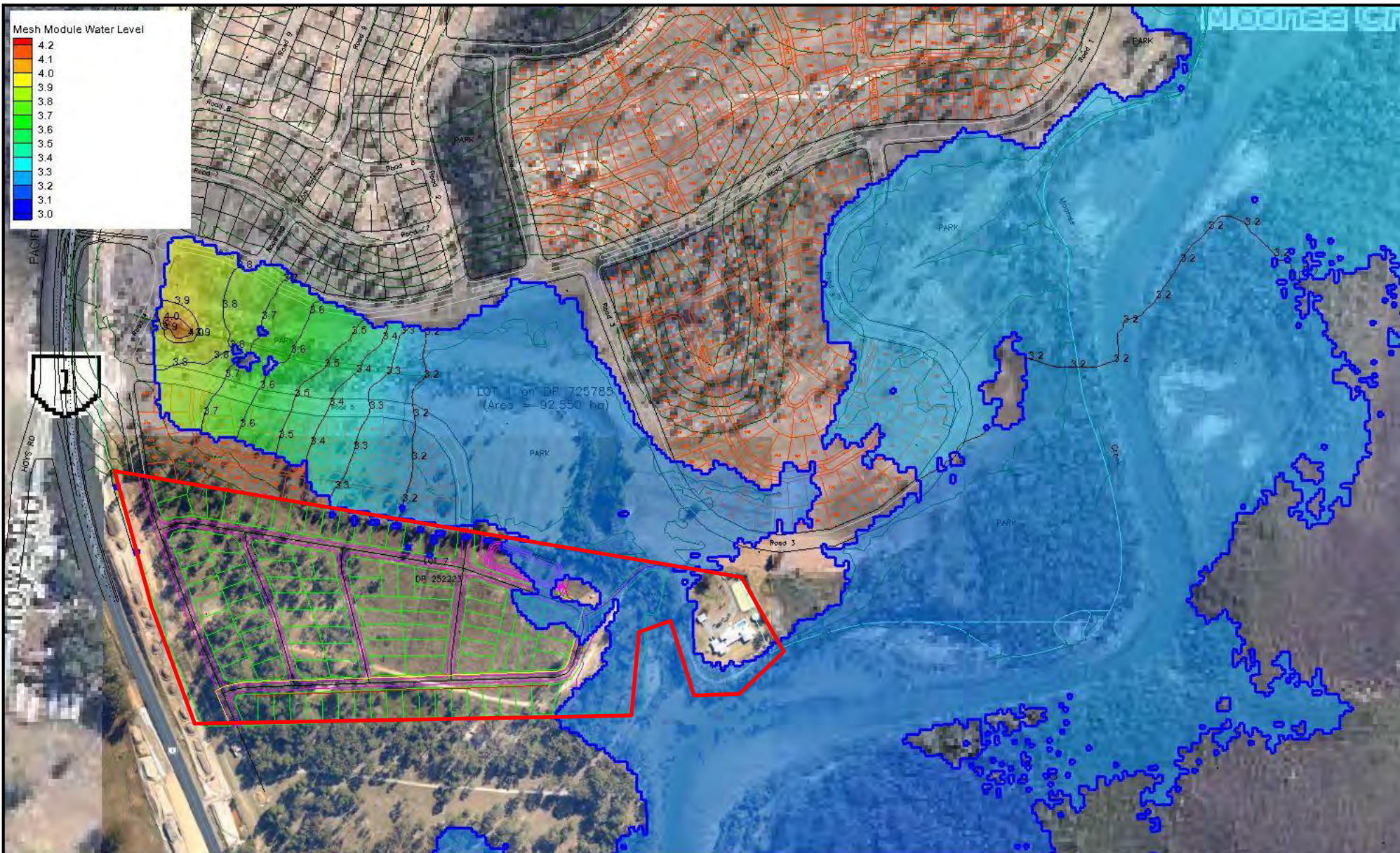
**Impact – Change in Peak Water Level – PMF Bucca Creek Flood (Scenario 9) Developed vs Existing Conditions**

**FIGURE 60**

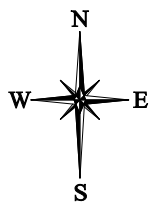
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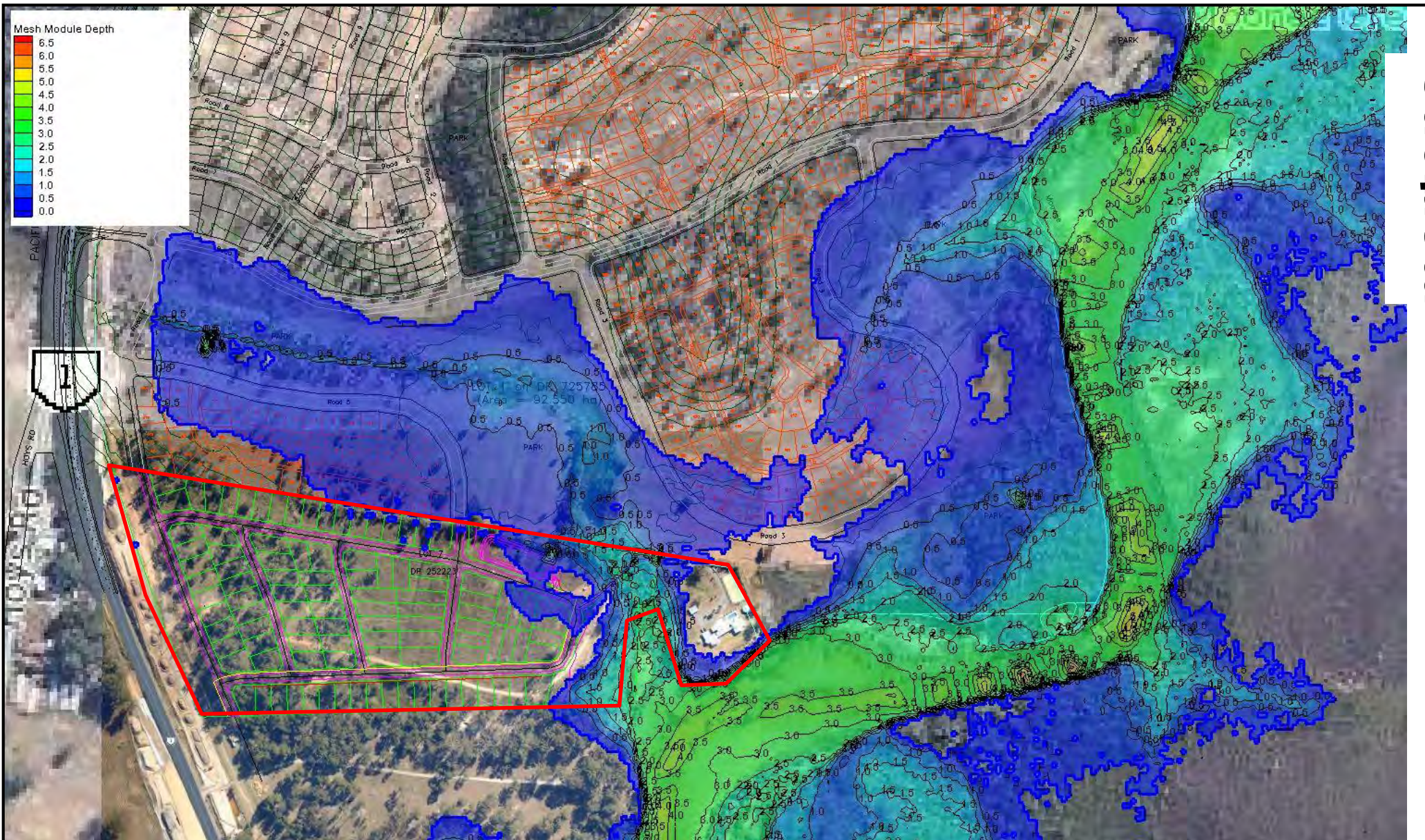
**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Water Level – 1 in 100 Year ARI With Climate Change  
Bucca Creek Flood (Scenario 10) Existing Conditions**

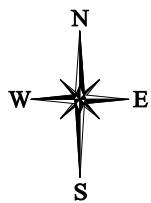
**FIGURE 61**

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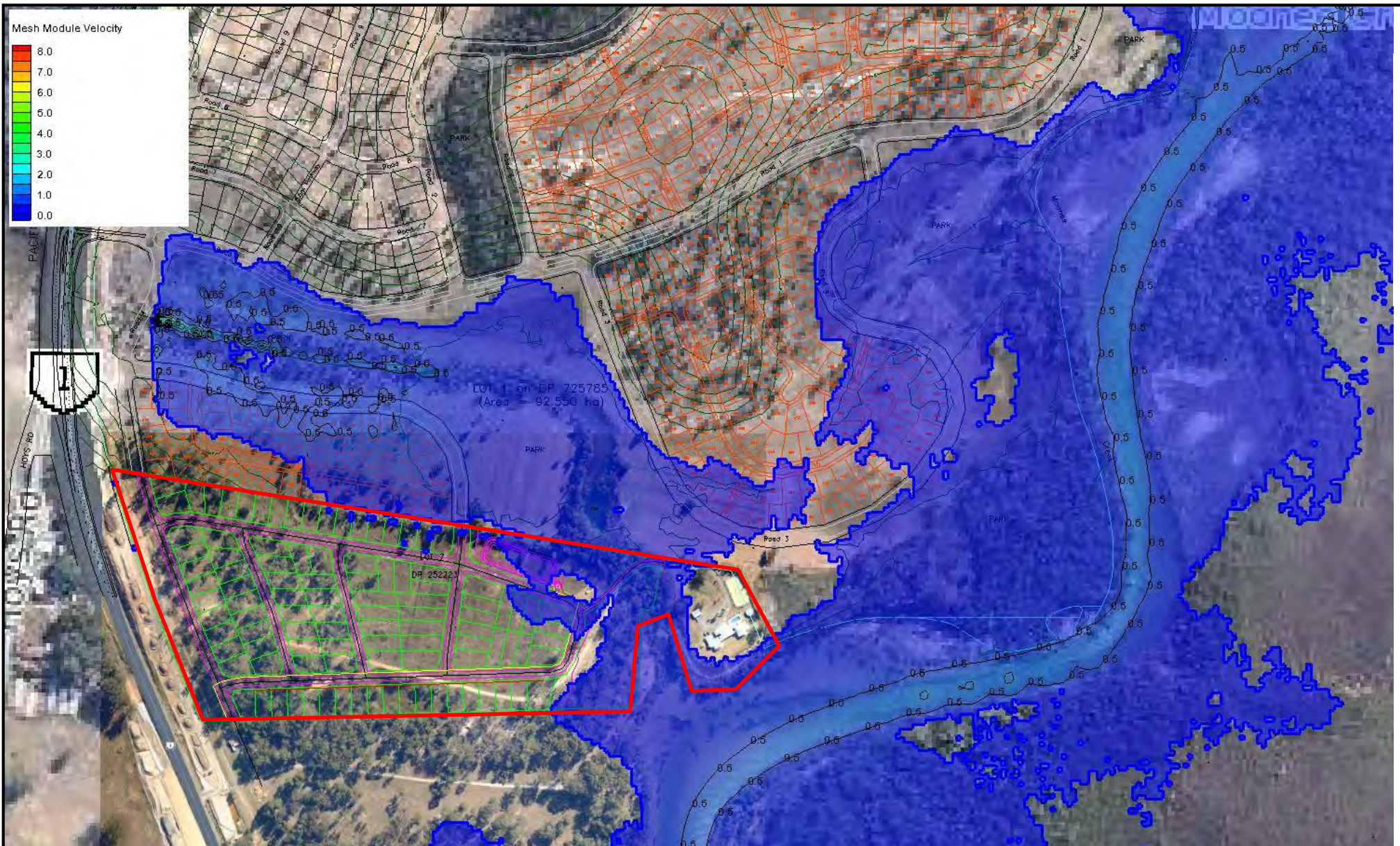
Scale: nts

**Peak Depth – 1 in 100 Year ARI With Climate Change  
Bucca Creek Flood (Scenario 10) Existing Conditions**

**FIGURE 62**

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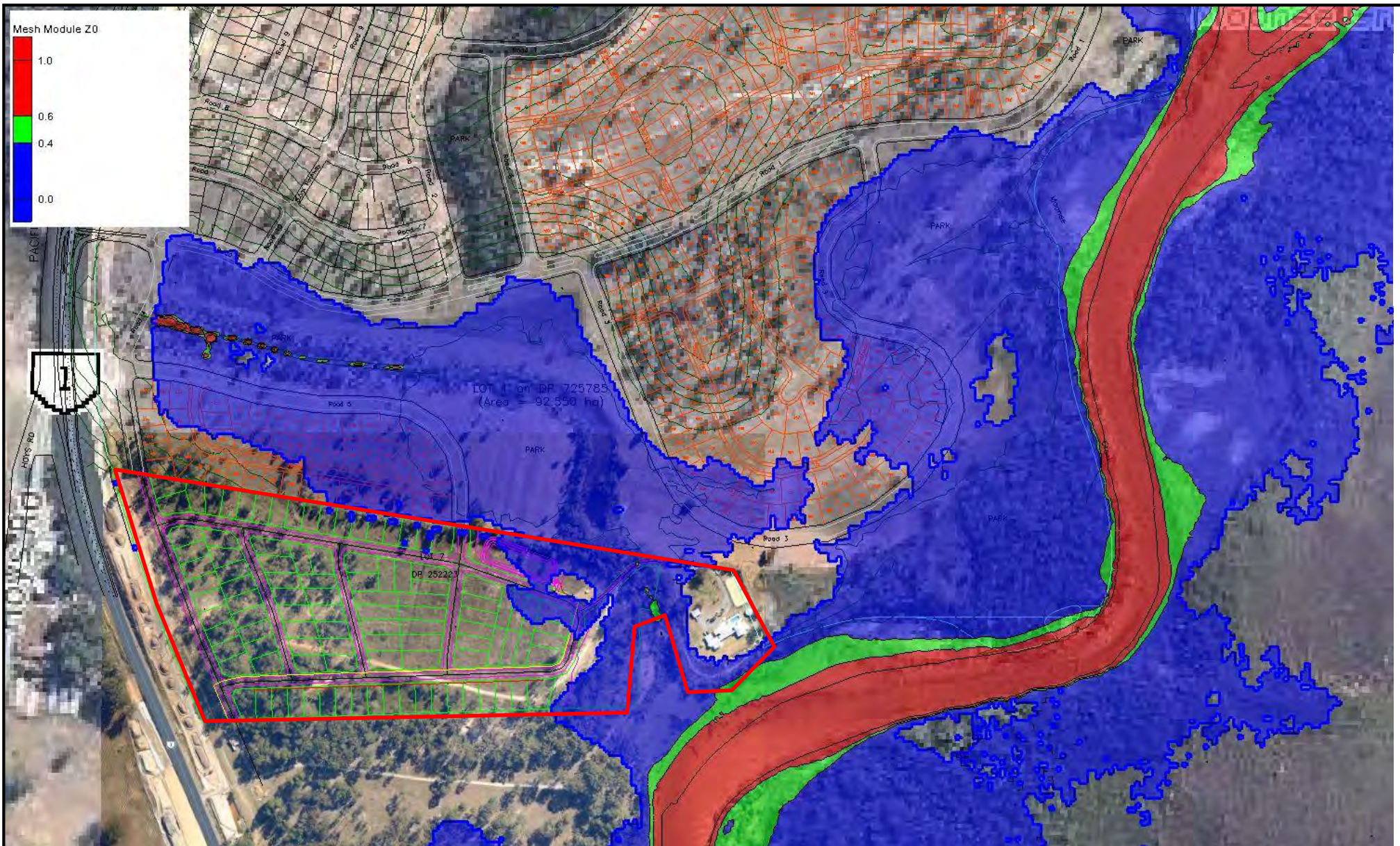
**Peak Velocity – 1 in 100 Year ARI With Climate Change  
Bucca Creek Flood (Scenario 10) Existing Conditions**

**FIGURE 63**

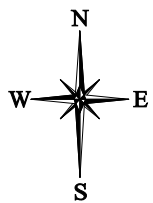
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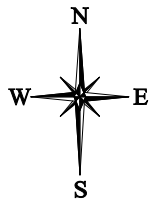
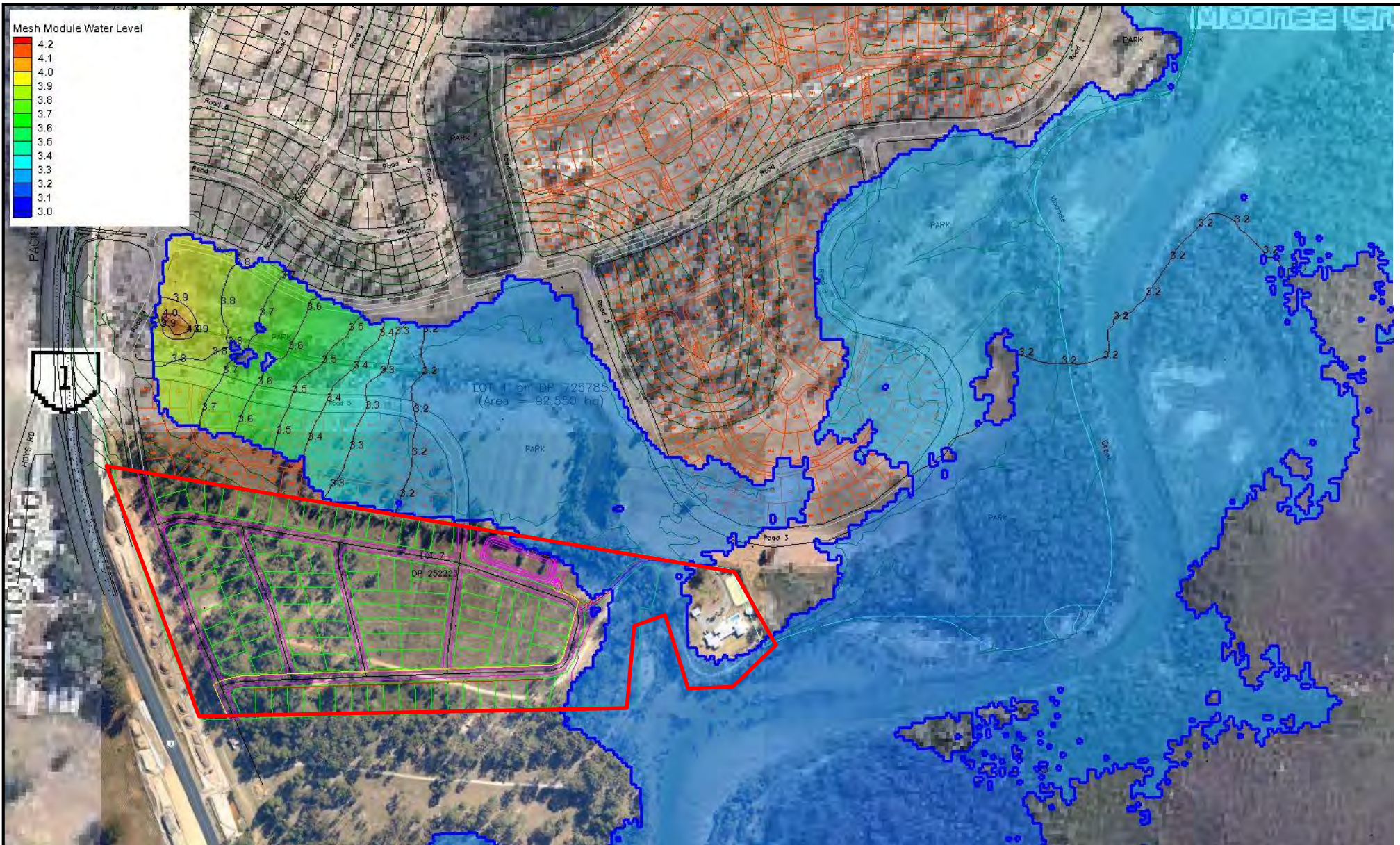
**Environment | Water | Wastewater | Geotechnical | Civil | Management**

**Peak Depth x Velocity Product – 1 in 100 Year ARI With  
Climate Change Bucca Creek Flood (Scenario 10) Existing  
Conditions**

**FIGURE 64**

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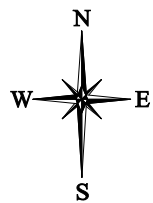
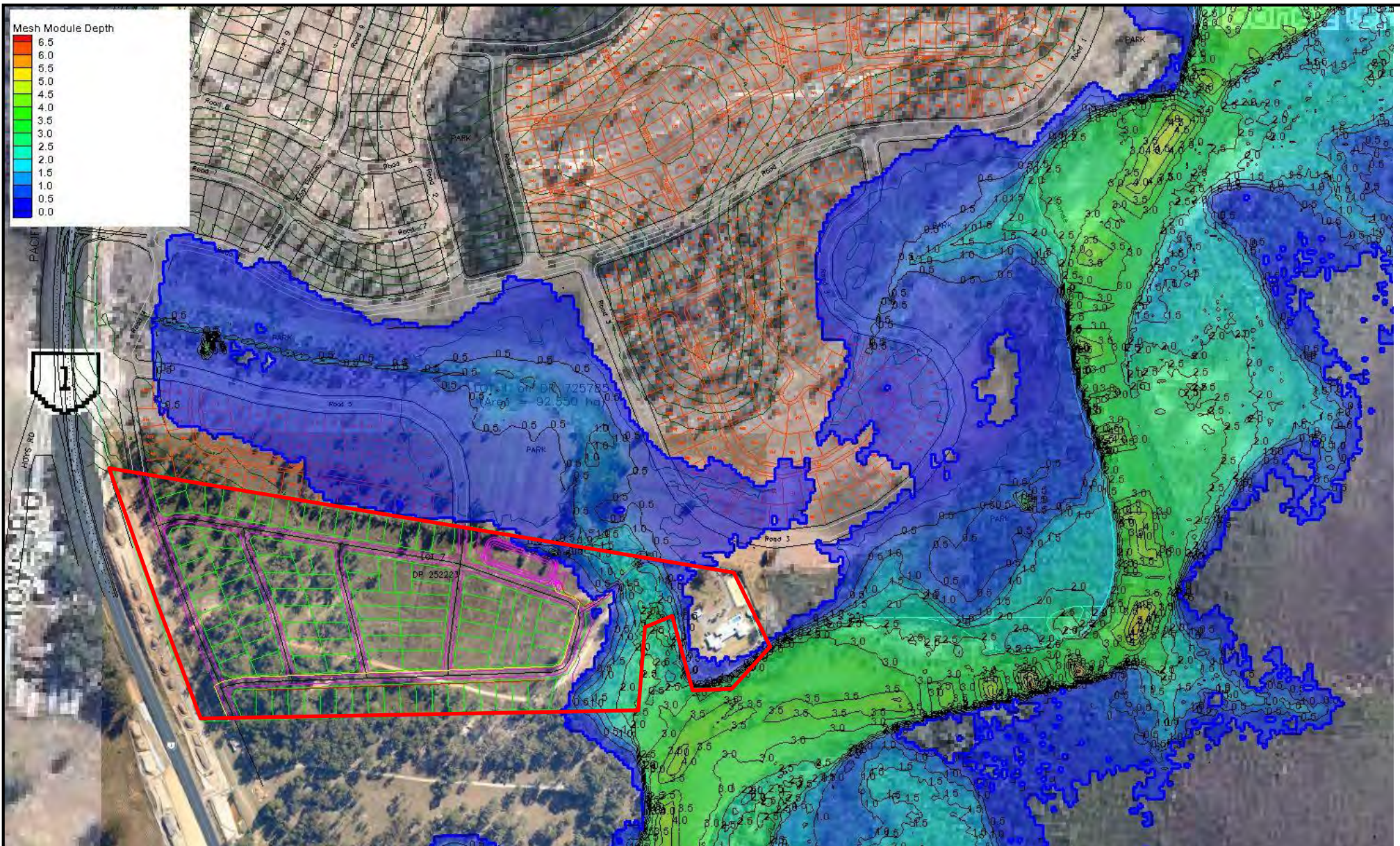
Environment | Water | Wastewater | Geotechnical | Civil | Management

**Peak Water Level – 1 in 100 Year ARI With Climate Change  
Bucca Creek Flood (Scenario 10) Developed Conditions**

**FIGURE 65**

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Drawn:	MGD	Peak Depth – 1 in 100 Year ARI With Climate Change Bucca Creek Flood (Scenario 10) Developed Conditions	FIGURE 66	
Approved:	DMM			
Date:	15.06.22			
Scale:	nts		Job No: P1002663	