

Appendix F

Report 610.14718R1

Construction Ground-borne Noise Predictions



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Projection: GDA 1994 MGA Zone 56

Legend

- One Storey Receiver
- >One Storey Receiver
- Shaft Locations

Exceedances Legend

- Other (NML Exceedance 20 to 25 dB)
- Other (NML Exceedance > 25 dB)

Exceedances

- Residential (NML Exceedance 0 to 10 dB)
- Residential (NML Exceedance 10 to 20 dB)
- Residential (NML Exceedance 20 to 25 dB)
- Residential (NML Exceedance > 25 dB)

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Sydney Metro Chatswood to Sydenham
Ground-borne Noise Assessment
Playtime
Chatswood
Barangaroo Station & Argyle Street








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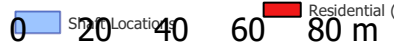
Legend

-  One Storey Receiver
-  >One Storey Receiver
-  Staff Locations

Exceedances Legend

-  Residential (NML Exceedance 0 to 10 dB)
-  Residential (NML Exceedance 10 to 20 dB)
-  Residential (NML Exceedance > 20 dB)

Exceedances



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Legend

One Storey Receiver
>One Storey Receiver
Shaft Locations

Exceedances Legend

Other (NML Exceedance 20 to 25 dB)
Other (NML Exceedance > 25 dB)

Exceedances

Residential (NML Exceedance 0 to 10 dB)
Residential (NML Exceedance 10 to 20 dB)
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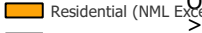



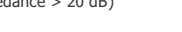




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Legend
 One Storey Receiver
 >One Storey Receiver
 Staff Locations

Exceedances Legend
 Residential (NML Exceedance 0 to 5 dB)
 Residential (NML Exceedance 5 to 10 dB)
 Residential (NML Exceedance > 10 dB)
Exceedances
 One Storey Receiver
 >One Storey Receiver
 Staff Locations




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 Daytime
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



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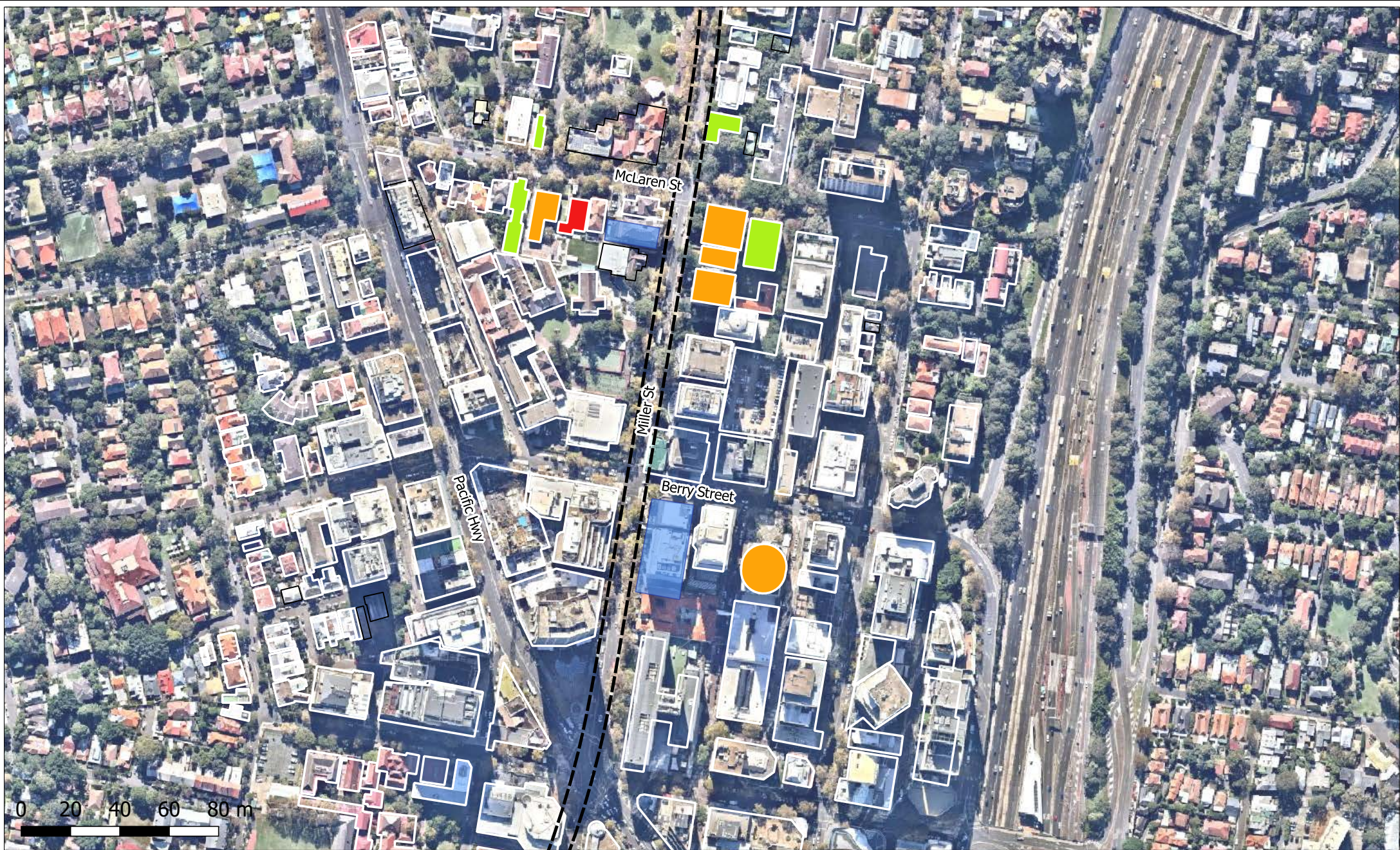
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Legend
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 Shaft Locations

Exceedances Legend
 Other (NML Exceedance 0 to 10 dB)
 Other (NML Exceedance 10 to 20 dB)
 Other (NML Exceedance 20 to 25 dB)
 Other (NML Exceedance > 25 dB)




Exceedances
 Residential (NML Exceedance 0 to 10 dB)
 Residential (NML Exceedance 10 to 20 dB)
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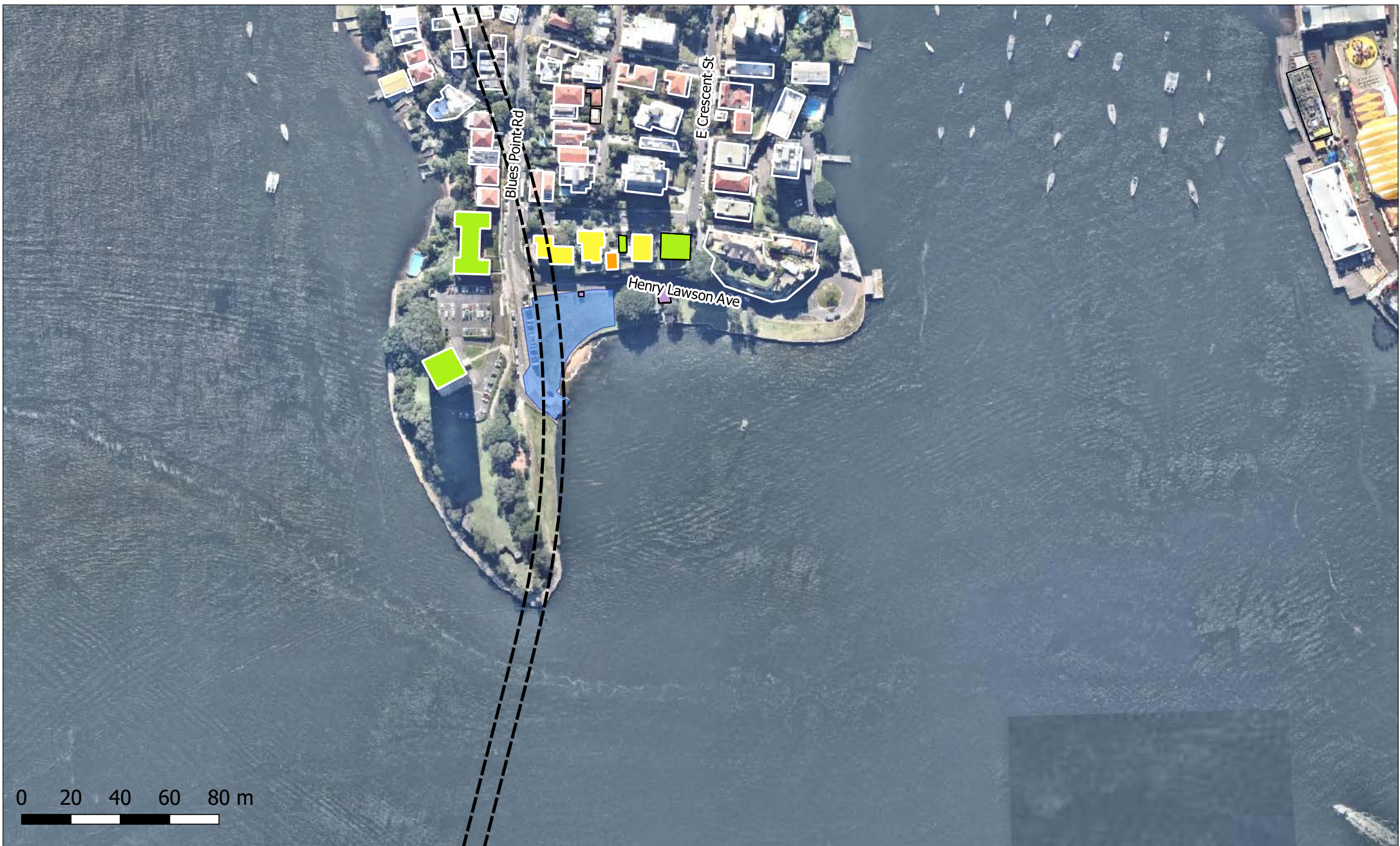
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Legend
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 Staff Locations

Exceedances Legend
 Residential (NML Exceedance 0 to 5 dB)
 Residential (NML Exceedance 5 to 10 dB)
 Residential (NML Exceedance > 10 dB)




Exceedances

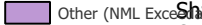
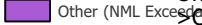

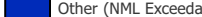
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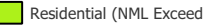
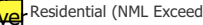





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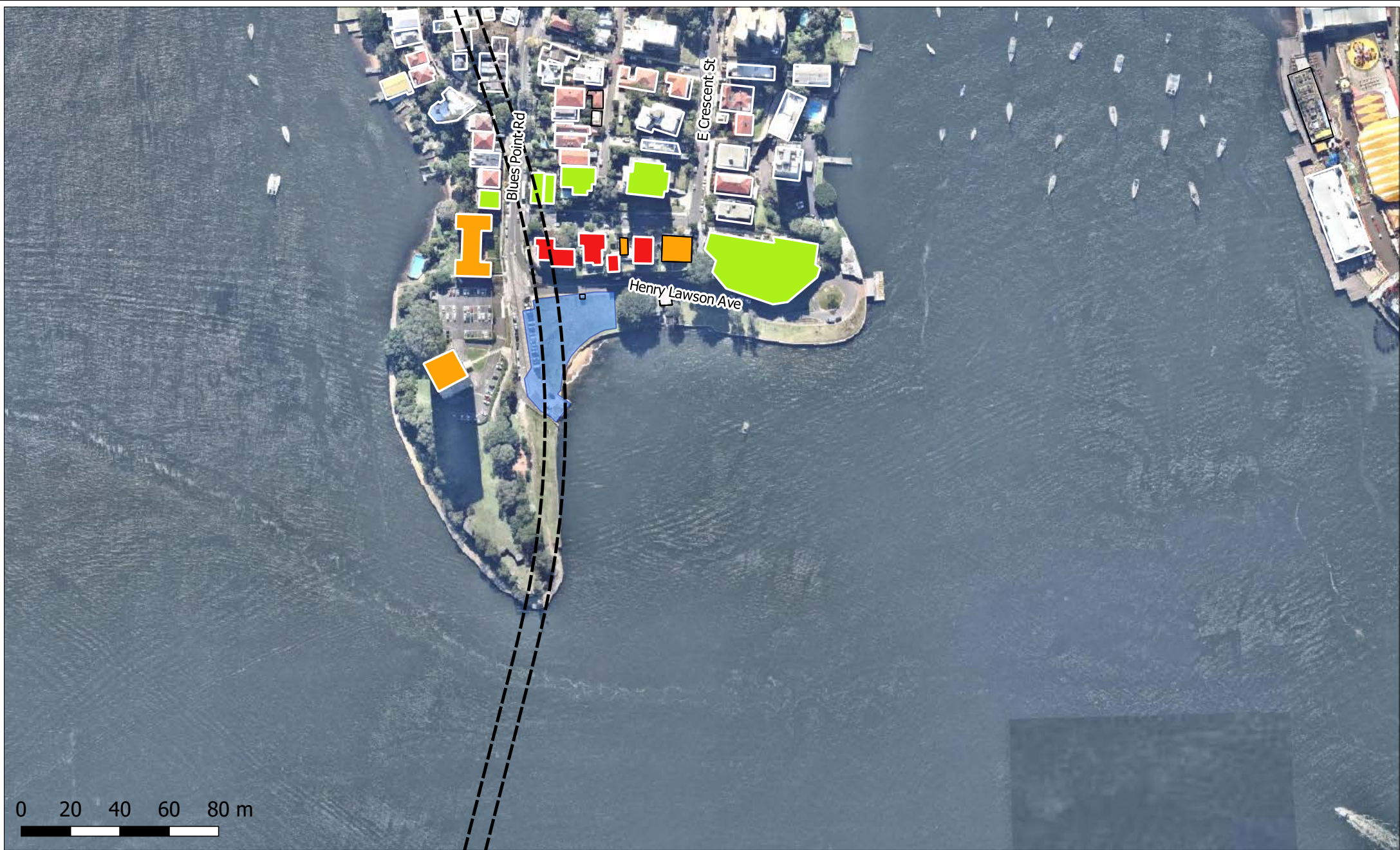
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Legend
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 Shaft Locations

Exceedances Legend
 Residential (NML Exceedance 0 to 10 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 20 to 25 dB)
 Other (NML Exceedance > 25 dB)

Exceedances
 Residential (NML Exceedance 0 to 10 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 20 to 25 dB)
 Residential (NML Exceedance > 25 dB)




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Legend

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-  Shaft Locations

Exceedances Legend

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-  Residential (NML Exceedance > 40 dB)

Exceedances




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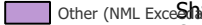
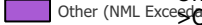

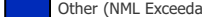
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 Shaft Locations

Exceedances Legend
 Other (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 0 to 10 dB)
 Other (NML Exceedance > 25 dB)




Exceedances
 Residential (NML Exceedance 0 to 10 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 20 to 25 dB)
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Legend
 One Storey Receiver
 >One Storey Receiver
 Study Locations

Exceedances Legend
 Residential (NML Exceedance 0 to 10 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance > 20 dB)
Exceedances
 0 20 40 60 80 m

Shaft Locations
 One Storey Receiver
 >One Storey Receiver




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






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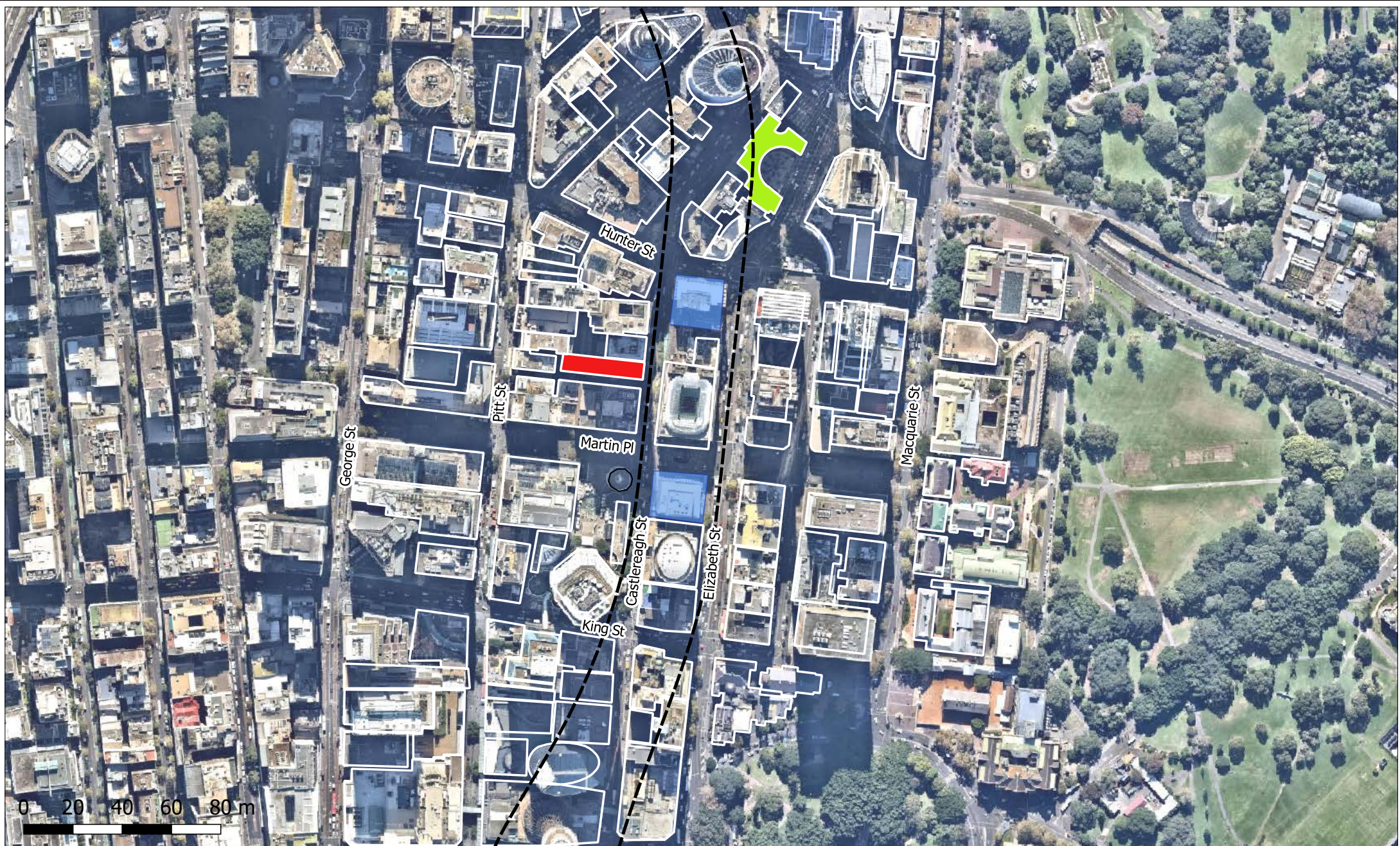
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 Shaft Locations

Exceedances Legend
 Other (NML Exceedance 20 to 25 dB)
 Other (NML Exceedance > 25 dB)
 Residential (NML Exceedance 20 to 25 dB)

Exceedances
 Residential (NML Exceedance 0 to 10 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 20 to 25 dB)
 Residential (NML Exceedance > 25 dB)

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





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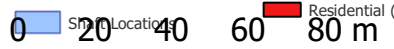
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-  One Storey Receiver
-  >One Storey Receiver
-  Staff Locations

Exceedances Legend

-  Residential (NML Exceedance 10 to 20 dB)
-  Residential (NML Exceedance 20 to 30 dB)
-  Residential (NML Exceedance > 20 dB)

Exceedances






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




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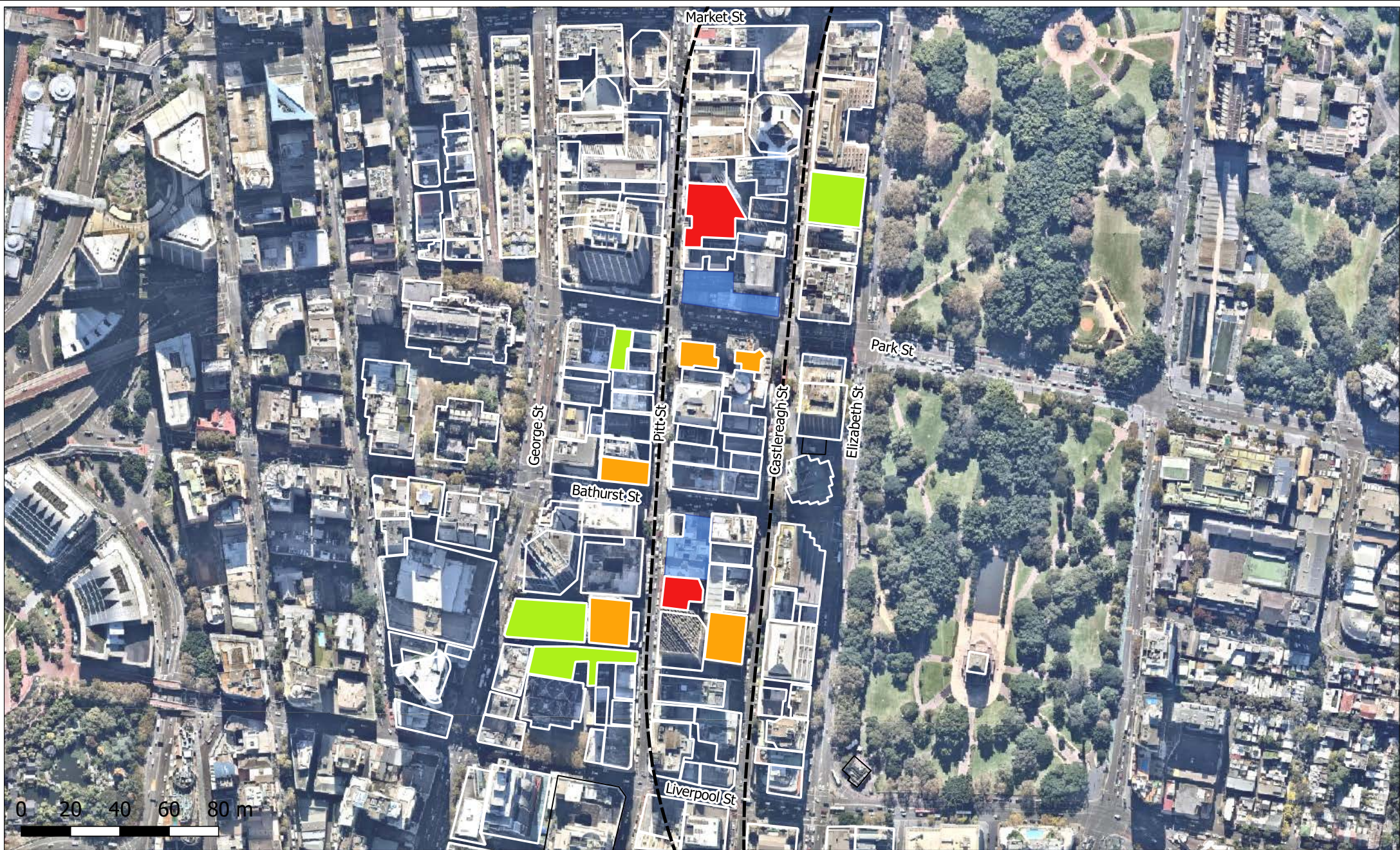
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Legend
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 Shaft Locations

Exceedances Legend
 Other (NML Exceedance 0 to 10 dB)
 Other (NML Exceedance 10 to 20 dB)
 Other (NML Exceedance 20 to 25 dB)
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Exceedances
 Residential (NML Exceedance 0 to 10 dB)
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-  >One Storey Receiver
-  Shaft Locations

Exceedances Legend

-  Residential (NML Exceedance 0 to 10 dB)
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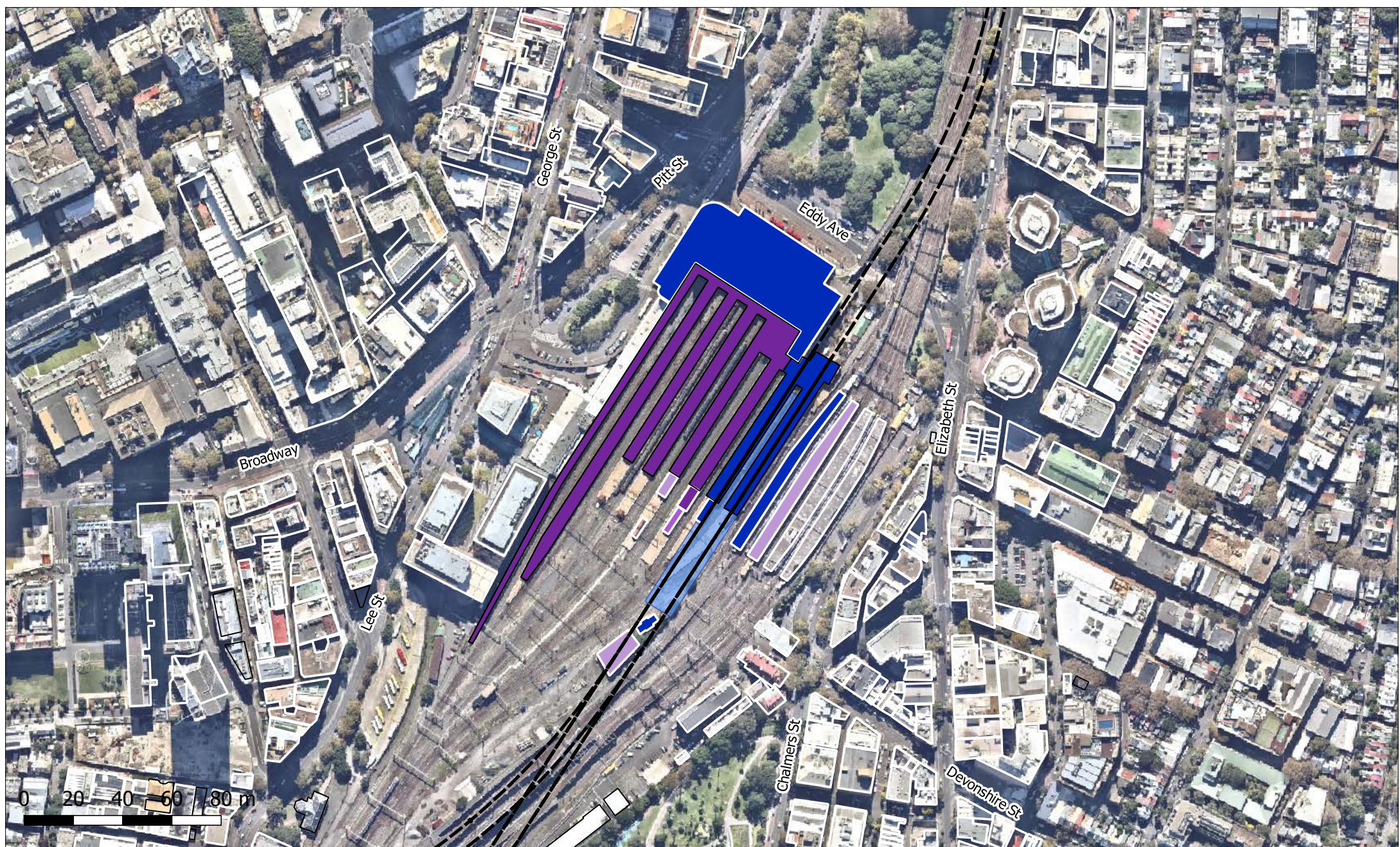
Shaft Locations

-  One Storey Receiver
-  >One Storey Receiver

Exceedances



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Exceedances Legend

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- Other (NML Exceedance > 25 dB)

Exceedances




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 Shaft Locations

Exceedances Legend
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 Residential (NML Exceedance 5 to 10 dB)
 Residential (NML Exceedance > 10 dB)

Exceedances

0 20 40 60 80 m

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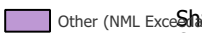
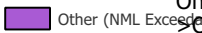







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 Date: 04/04/2016
 Drawn by: MR
 Scale: 1:3,500
 Sheet Size: A4
 Projection: GDA 1994 MGA Zone 56

Legend
 One Storey Receiver
 >One Storey Receiver
 Station Locations

Exceedances Legend
 Other (NML Exceedance 20 to 25 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 0 to 10 dB)

Exceedances
 Residential (NML Exceedance > 25 dB)
 Other (NML Exceedance > 25 dB)






Jacobs
 Sydney Metro Chatswood to Sydenham
 Groundborne Noise Assessment
 Daytime
 Barangaroo Station & Argyle Street








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Legend
 One Storey Receiver
 >One Storey Receiver
 Staff Locations

Exceedances Legend
 Residential (NML Exceedance 10 to 20dB)
 Residential (NML Exceedance 20 to 30dB)
 Residential (NML Exceedance > 30dB)




Exceedances
 One Storey Receiver
 >One Storey Receiver

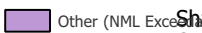
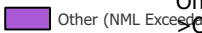

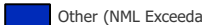
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Legend
 One Storey Receiver
 >One Storey Receiver
 Shaft Locations

Exceedances Legend
 Other (NML Exceedance 0 to 10 dB)
 Other (NML Exceedance 10 to 20 dB)
 Other (NML Exceedance 20 to 25 dB)
 Other (NML Exceedance > 25 dB)

Exceedances
 Residential (NML Exceedance 0 to 10 dB)
 Residential (NML Exceedance 10 to 20 dB)
 Residential (NML Exceedance 20 to 25 dB)
 Residential (NML Exceedance > 25 dB)

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





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Sheet Size:	A4
Projection:	GDA 1994 MGA Zone 56

Legend

-  One Storey Receiver
-  >One Storey Receiver
-  Shaft Locations

Exceedances Legend

-  Residential (NML Exceedance 0 to 40dB)
-  Residential (NML Exceedance 40 to 80dB)
-  Residential (NML Exceedance > 20 dB)

Exceedances

0 20 40 60 80 m

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