



NICK HELME BOTANICAL SURVEYS

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Pri.Sci.Nat # 400045/08

25 May 2026

Lornay Environmental Consultants

Hermanus

ATT: Michelle Naylor

Dear Michelle

**Specialist Botanical Input: Romansbaai Abalone Farm (Ptn 2 Farm 711);
Comment on layout Alternative 5 Rev C (dated 20 May 2026)**

The layout for the proposed expansion of the Aquunion Abalone farm at Romansbaai has been further revised in response to environmental concerns regarding the level of impact associated with some of the proposed facilities. In particular the seawater reservoir has been reduced in size to 7000m², and it has been moved as close as possible to the existing reservoir.

My original Botanical Assessment of November 2024 assessed the impact of the construction of the then 20 000m² seawater reservoir as Medium to High negative. This impact was driven by its large size and the fact that more than 50% of it would have been located within an area mapped as High botanical sensitivity.

The latest Layout 5 (20 May 2026) has reduced this footprint to 7000m², and less than 35% of the footprint will be in the High sensitivity area, with most of it in Low and Medium sensitivity areas. The overall botanical significance of this footprint is thus now reduced to a Low to Medium negative level. This Layout 5 is thus now the preferred development alternative.

This level of botanical impact does not require any biodiversity offset or off-site conservation contribution, as the applicant has demonstrated willingness to avoid and set aside the bulk of the High sensitivity natural vegetation on site for purposes of this development application. Some of this High sensitivity area will

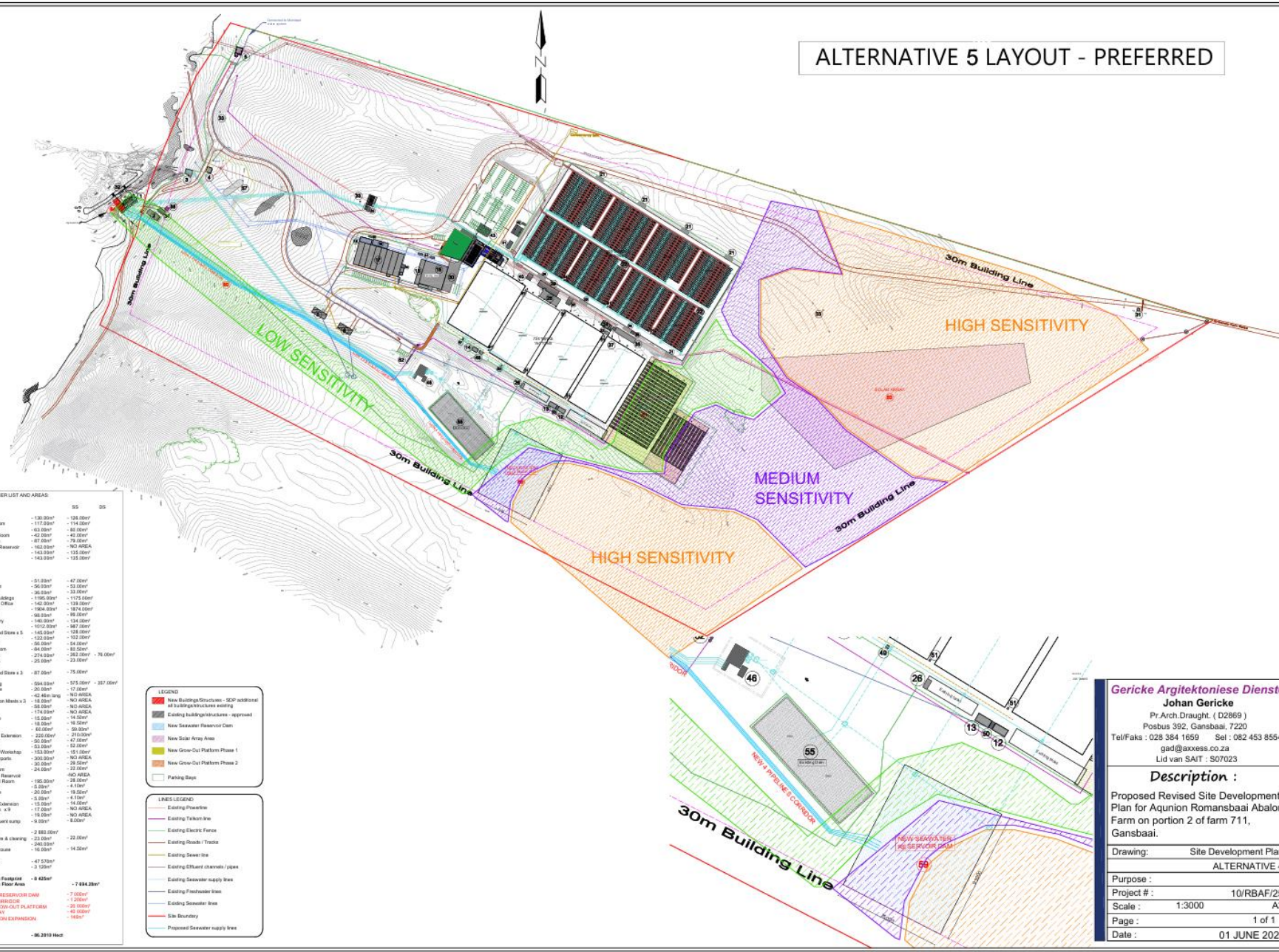
also be impacted by the proposed Solar Array, but it is a relatively small proportion, also with a Low to Medium negative significance. All other mitigation proposed in my Impact Assessment of 2024 should still be implemented.

Yours sincerely

A handwritten signature in black ink, appearing to read "Nick Helme", with a horizontal line underneath.

Nick Helme

ALTERNATIVE 5 LAYOUT - PREFERRED



BUILDING NUMBER LIST AND AREAS	SS	DS
1. Pump House	-130.00m²	-128.00m²
2. Generator Room	-117.00m²	-116.00m²
3. Pump House	-63.00m²	-60.00m²
4. Transformer Room	-42.00m²	-41.00m²
5. Truckin Room	-87.00m²	-79.00m²
6. Drum Filter & Reservoir	-162.00m²	-NO AREA
7. House	-143.00m²	-135.00m²
8. House	-143.00m²	-135.00m²
9.		
10.		
11.		
12. Toilet	-51.00m²	-47.00m²
13. Toilet Station	-56.00m²	-53.00m²
14. Shower Room	-26.00m²	-33.00m²
15. Street & Car Buildings	-1100.00m²	-1175.00m²
16. Open Shed & Office	-140.00m²	-138.00m²
17. Hatchery 2	-500.00m²	-1874.00m²
18. Lavatory Room	-68.00m²	-69.00m²
19. Warm Hatchery	-140.00m²	-134.00m²
20. Canteen	-1010.00m²	-887.00m²
21. Shower & Feed Store 1	-145.00m²	-128.00m²
22. Feed Store	-123.00m²	-110.00m²
23. Shower Room	-36.00m²	-34.00m²
24. Generator Room	-84.00m²	-82.00m²
25. Mags Station	-274.00m²	-262.00m² - 75.00m²
26. Gravel Room	-23.00m²	-23.00m²
27. Shower & Feed Store 3	-87.00m²	-75.00m²
28.		
29. Office Building	-594.00m²	-575.00m² - 337.00m²
30. Security Office	-30.00m²	-17.00m²
31. Toilet	-NO AREA	-NO AREA
32. Communication Masts 1	-42.00m²	-NO AREA
33. Communication Masts 2	-58.00m²	-NO AREA
34. Back wall	-174.00m²	-NO AREA
35. Wash wall	-174.00m²	-NO AREA
36. Windy House	-16.00m²	-14.00m²
37. Wash wall	-16.00m²	-14.00m²
38. Acid station	-60.00m²	-56.00m²
39. Mags Station Elaboration	-233.00m²	-210.00m²
40. Store Room	-50.00m²	-47.00m²
41. Cold Store	-51.00m²	-52.00m²
42. Containers & Workshop	-153.00m²	-151.00m²
43. Containers & Workshop	-203.00m²	-192.00m²
44. Containers	-30.00m²	-28.00m²
45. Electrical Room	-34.00m²	-32.00m²
46. Drum Filter & Reservoir	-190.00m²	-NO AREA
47. Pump room	-5.00m²	-4.00m²
48. Windy House	-30.00m²	-18.00m²
49. Pump room	-5.00m²	-4.00m²
50. Sign Station Extension	-10.00m²	-14.00m²
51. Wash station x 9	-17.00m²	-NO AREA
52. Waste store	-16.00m²	-NO AREA
53. Hatchery Effluent pump	-9.00m²	-8.00m²
54.		
55. Dam related	-2 883.00m²	-22.00m²
56. Chemical store & changing	-33.00m²	-NO AREA
57. Paddock House	-240.00m²	-14.00m²
58. Office Wash House	-16.00m²	-14.00m²
Platform: Tanks	-47.570m²	-14.00m²
Dam & Pond	-3.120m²	
Total Structures Footprint	-8 485m²	
Total Structures Floor Area	-7 884.29m²	
59. SEWAGE TREATMENT RESERVOIR DAM	-7.00m²	-1.00m²
60. PERILIC CORRIDOR	-20.00m²	-20.00m²
61. BRIDGE 1 SHOW-OUT PLATFORM	-40.00m²	-40.00m²
62. SOLAR ARRAY	-165m²	-165m²
63. PLANT SYSTEM EXPANSION		
Farm	-96.2310 Hect	

LEGEND

- New Buildings/Structures - 30% additional
- Existing Buildings/Structures - existing
- Existing buildings/structures - approved
- New Sewer Reservoir Dam
- New Solar Array Area
- New Green-Dal Platform Phase 1
- New Green-Dal Platform Phase 2
- Parking Bays

LINE LEGEND

- Existing Powerline
- Existing Telkom line
- Existing Electric Fence
- Existing Roads / Tracks
- Existing Sewer line
- Existing Effluent channels / pipes
- Existing Freshwater supply line
- Existing Freshwater line
- Existing Sewer line
- Proposed Sewer supply line

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Description :
 Proposed Revised Site Development Plan for Aquinion Romansbaai Abalone Farm on portion 2 of farm 711, Gansbaai.

Drawing: Site Development Plan
 ALTERNATIVE 4

Purpose :
 Project # : 10/RBAF/25
 Scale : 1:3000 A2
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 Date : 01 JUNE 2026