

RSP

RiverOak Strategic Partners

5.2-4

Environmental Statement Volume 4: Figures

TR020002/APP/5.4

Project Name: Manston Airport Development Consent Order
Regulation: Regulation 5(2)(a) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure) Regulations 2009, as amended
Date: July 2018



Key

- Order Limits
- 45.00 Existing ground contours at 5m intervals
- 44.00 Existing ground contours at 1m intervals

- NOTES**
1. OS data obtained from emapsite™ May 2017: © Crown copyright and database rights 2017. Ordnance Survey 0100031673
 2. topographical data obtained from historical airport data received 11/03/2016 refEGMH_25mgrid levels.dwg and supplemented by RPS survey (Feb 2017) ref 'JAK3008_A'.
 3. Existing contours extrapolated from adjacent location in some areas.

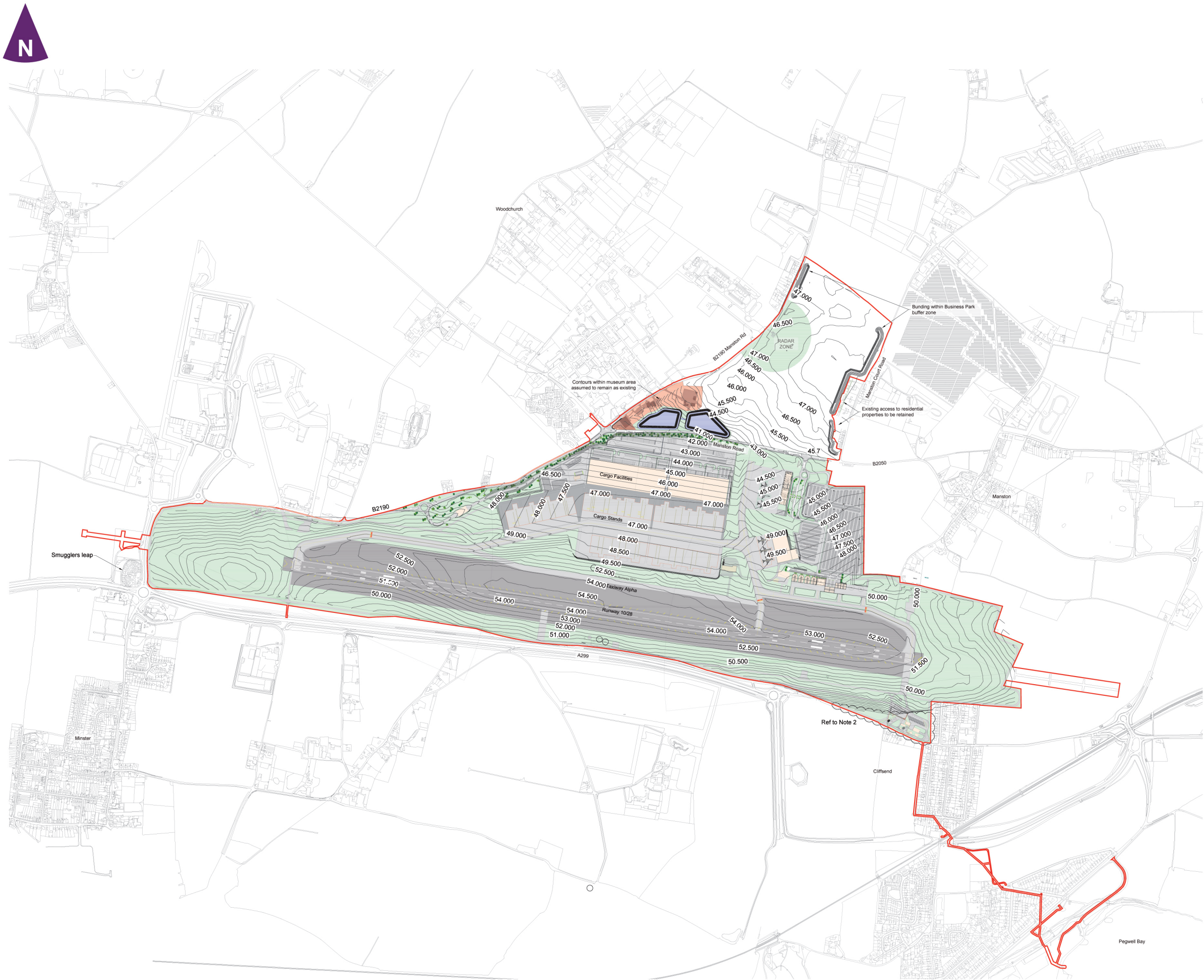
Note:
Based on original drawing "RPS-MSE-XX-DR-C-2030_P03" supplied by RPS



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Figure 3.12
Existing contours



Key

- Order Limits
- 45.00 Existing ground contours at 0.5m intervals
- Existing ground contours at 0.1m intervals

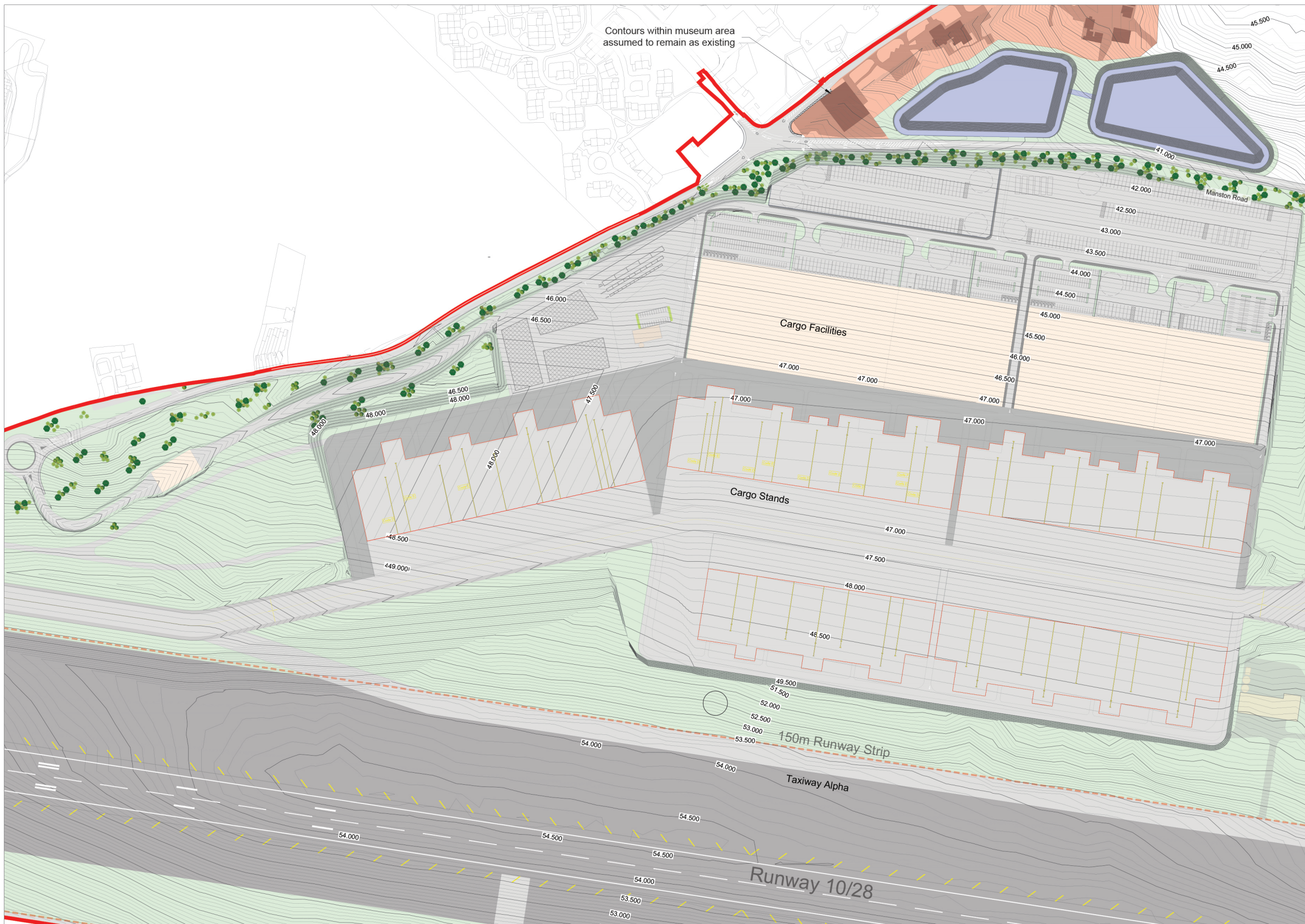
Note:
Based on original drawing "RPS-MSE-XX-DR-C-2062_P05" supplied by RPS



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Figure 3.13
Proposed contours



Key

- DCO Order Limits
- 45.00 — Existing ground contours at 0.5m intervals
- Existing ground contours at 0.1m intervals

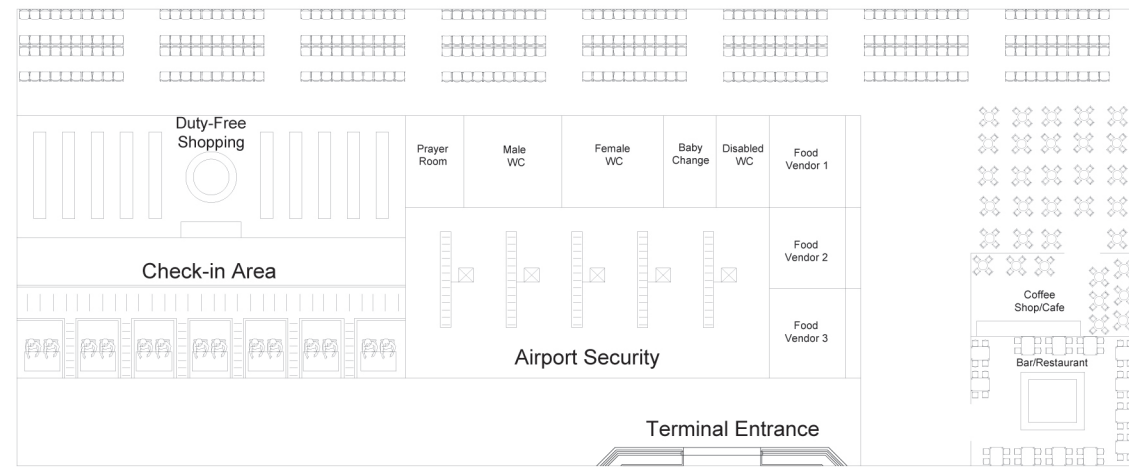
Note:
Based on original drawing "RPS-MSE-XX-DR-C-2063_P05" supplied by RPS



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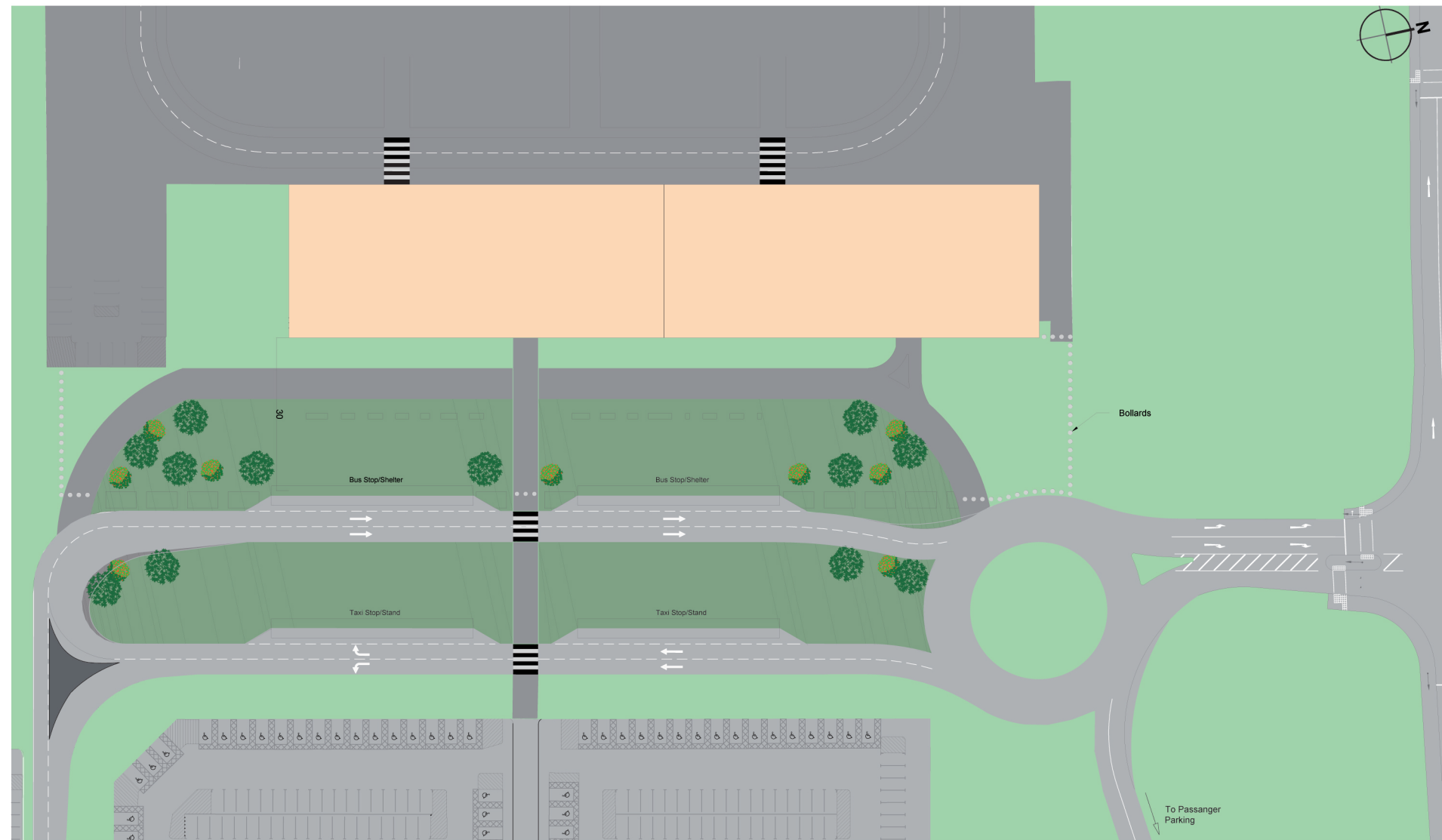
Figure 3.14
Proposed contours - cargo area



Indicative Terminal Layout



Indicative Terminal Visualisation



Cargo Facility - Plan View
Scale 1:500

Key

Note:
Based on original drawing "RPS-MSE-XX-DR-C-2083_P02" supplied by RPS



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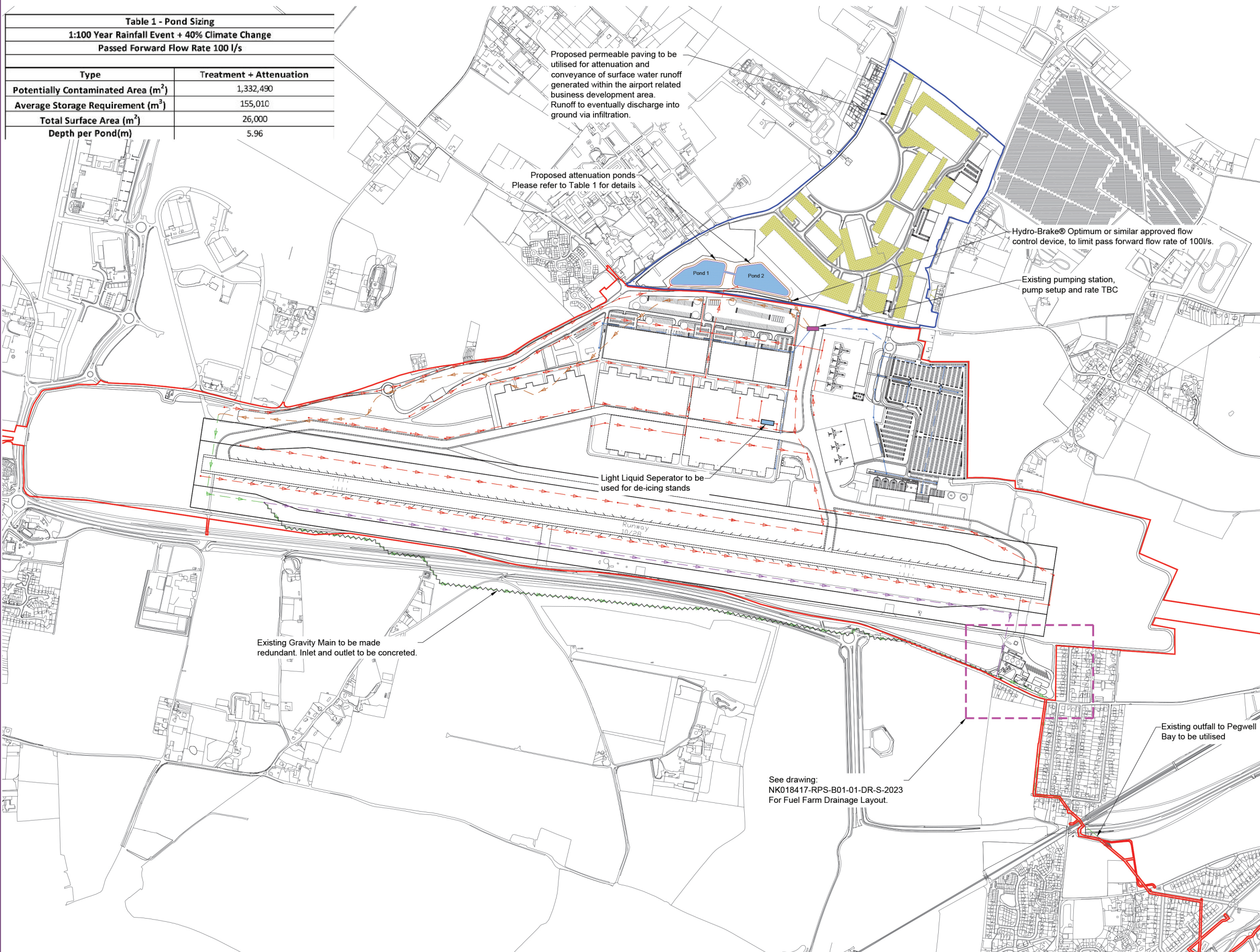
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Figure 3.15
Proposed terminal



Table 1 - Pond Sizing	
1:100 Year Rainfall Event + 40% Climate Change Passed Forward Flow Rate 100 l/s	
Type	Treatment + Attenuation
Potentially Contaminated Area (m ²)	1,332,490
Average Storage Requirement (m ³)	155,010
Total Surface Area (m ²)	26,000
Depth per Pond(m)	5.96



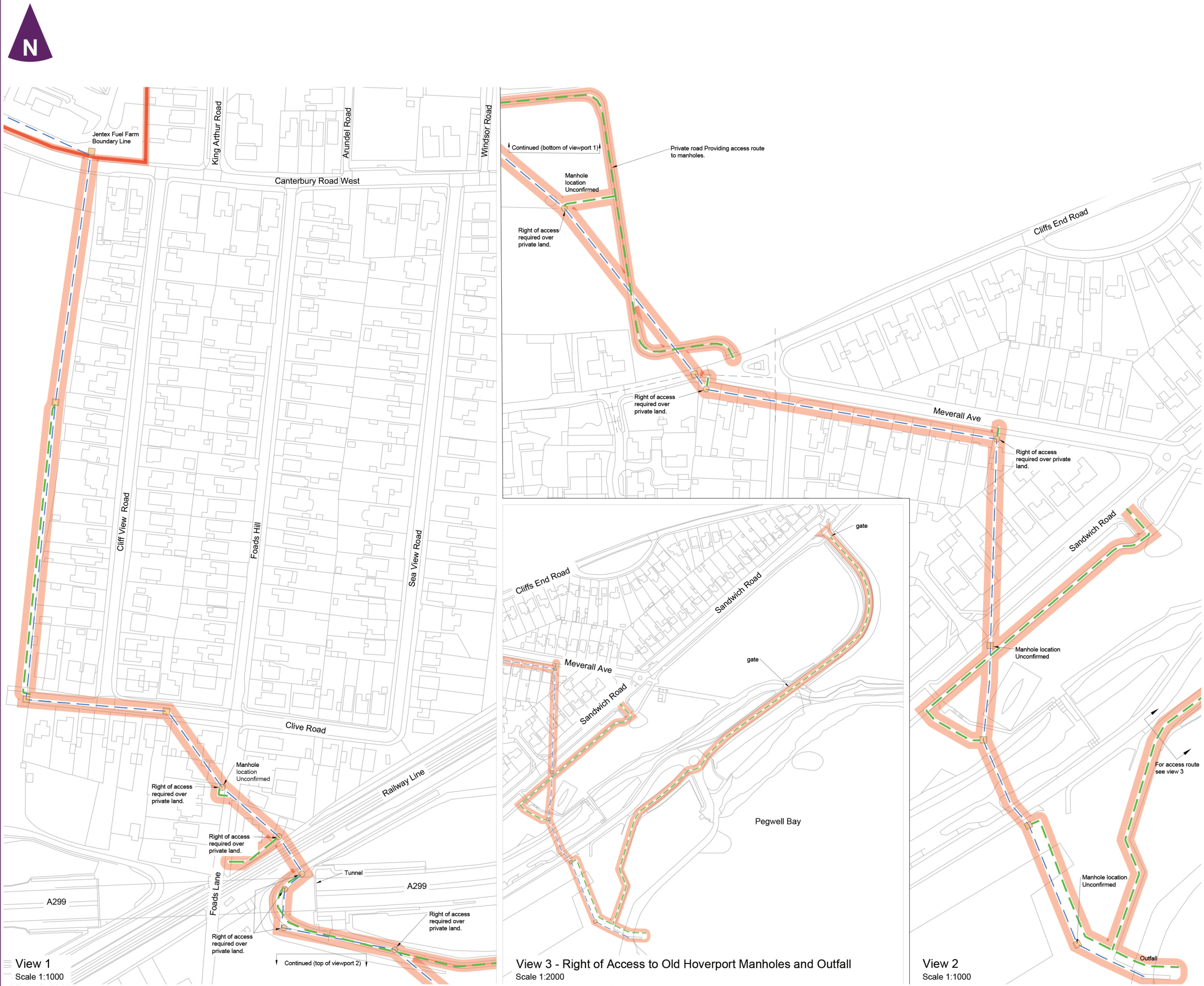
- Key**
- Manston Airport Site Area (254.099ha)
 - Airport Related Business Development area (49.087ha)
 - - - Surface Water Runoff Catchment from Roof Areas Only
 - - - Contaminated Surface Water Runoff from Aprons, Taxiways and Roads
 - Proposed Permeable Paving
 - Proposed Light Liquid Separator
 - Existing Pumping Station
 - Existing Gravity Main
 - Proposed Gravity Main
 - Existing Pumping Main to be Reused

- Notes**
1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
 2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
 3. Shown attenuation features designed to convey and store runoff generated by rainfall event of up to 1 in 100 year + 40% Climate Change.
 4. Surface Water runoff generated on site will be discharged into Pegwell Bay, south east of the site boundary.
 5. A discharge rate of 100l/s is assumed. Confirmation of existing pump setup and rates would be required.
 6. Method of capture of all surface water runoff is not shown.
 7. Proposed drainage strategy is outline only, is shown indicatively and subject to detailed design.

Note:
Based on original drawing "NK018417-RPS-B01-01-DR-S-2020 P04" supplied by RPS



Figure 3.16
Outline drainage strategy



Key

- Location of Pegwell outfall Pipeline
- Area of claimed subsoil rights. Area shown is a 3m offset from pipeline route to account for alignment and mapping inaccuracies
- Proposed route of access to manhole positioned in private land
- Location of incoming connection of unknown ownership
- Manhole located in private land ownership
- Manhole located in local authority land ownership

- Notes**
- OS Data obtained from emapsite™ May 2017:
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Ordnance Survey 0100031673
 - Pegwell Bay outfall alignment base on stats plan Thanet Way 7B MOD Surface Water Drainage Survey dated Oct '95 visual survey conducted by RPS on 24th/25th April 2017 and RPS topographical survey conducted 21st to 23rd of August 2017.

Note:
Based on original drawing "RPS-MSE-XX-DR-C-2089_P07" supplied by RPS



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Figure 3.17
Route of Pegwell Bay outfall