

## Technical Note

Project: Beaches Yard, Horton Road, West Drayton SMA Ref: 6969  
 Subject: Transport Note – Turntable Management  
 Prepared by: Rhys Donoghue Date: 24/03/2023

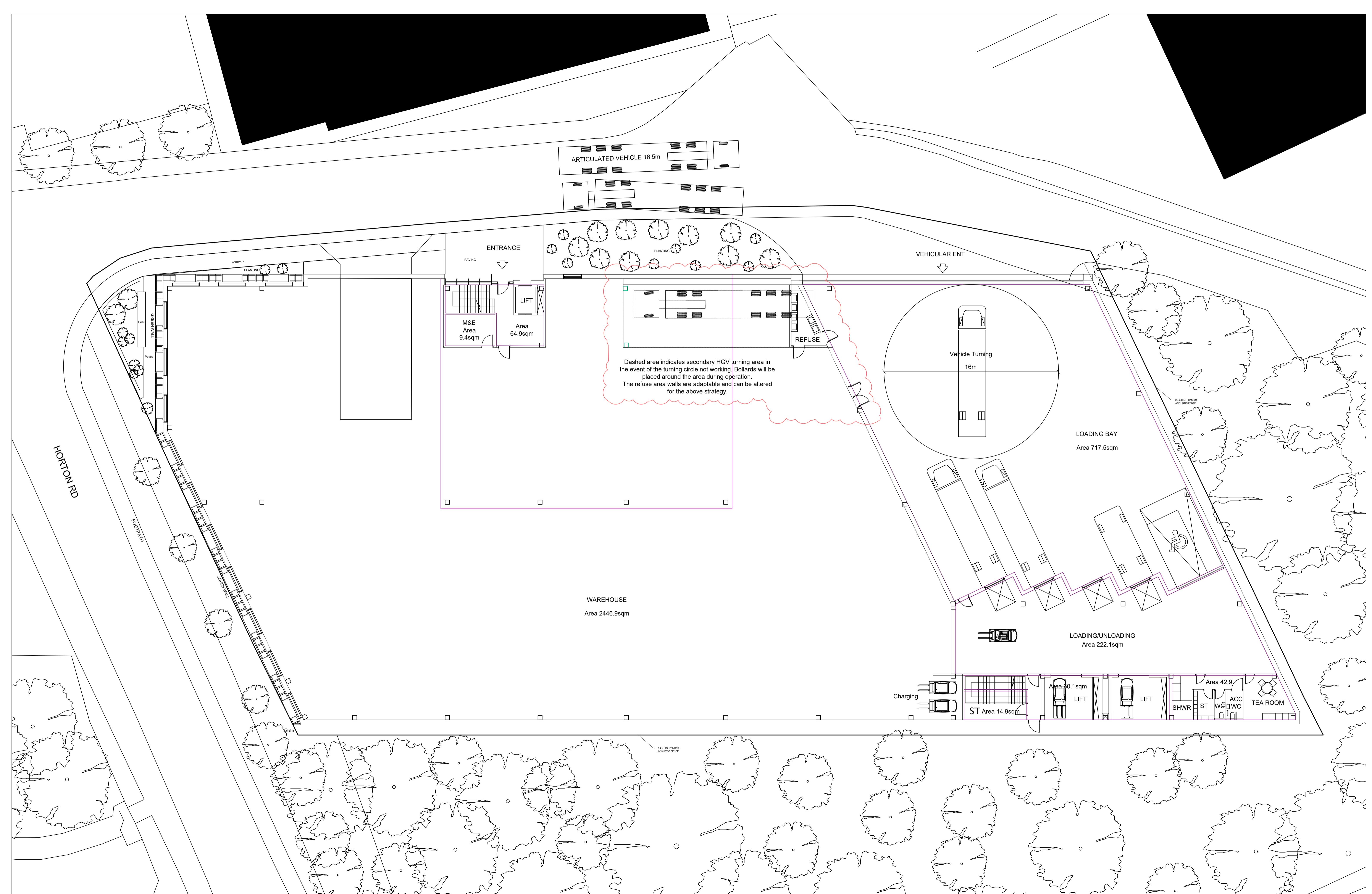
## 1.0 INTRODUCTION

- 1.1. This Technical Note (TN) has been prepared by Stuart Michael Associates, consulting engineers, on behalf of Harvest Land Management. For a proposed warehouse development at Horton Road, West Drayton. This Note sets out the management strategy for the unlikely event the turntable within the site stops operating.

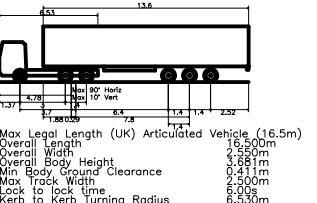
## 2.0 TURNTABLE MANAGEMENT

- 2.1. To maximise operational space within the site it is proposed that a HGV turntable facility is provided. The development proposes that an Ø15m 44 tonne capacity turntable will be installed. An area of Ø18m is required to safely rotate the vehicles and not have any trapping hazards.
- 2.2. The use of the turntable will be overseen by trained operatives and all HGVs will be made aware that a turntable will be used before arriving at the site. It is therefore considered that there are no safety implications from using a turntable at this development.
- 2.3. It is proposed that two drive units for the turntable will be provided both capable of moving the turntable on their own. Having 2 will ensure that neither drive is close to being used at full capacity in normal operation. However in the event of one drive failing it will be possible to isolate one unit and run the other ensuring the turntable remains operational.
- 2.4. The turntable will be located indoors as to prevent exposure to the elements and to prevent standing water entering in the pit. These measures will ensure optimal operational conditions for turntable.
- 2.5. To ensure that the turntable is operational at all times a management plan will be in place. This management plan will include but not be limited to the following measures:
  - Regular maintenance from the manufacturer – approximately 6 times per year;
  - Full training for all staff who will operate the turntable;
  - Regular checks by on site staff to ensure any damage to the turntable is recorded and fixed promptly; *and*
  - Good housekeeping to prevent items and liquids etc. being left on or around the turntable.
- 2.6. In addition to the above measures an adaptable area for HGVs to turn internally in the event the turntable breakdown will be provided, this is shown on the site masterplan attached as **Appendix A**. A plan showing an articulated HGV manoeuvring using this area is shown on **Drawing 6969.013**.
- 2.7. The internal adaptable turning area will only be used in the event the turntable breaks down and will have bollards to ensure the safety of the HGV and warehouse when using this area.
- 2.8. When not in use the turning area will be used for among other used charging of forklifts and storage of refuge.

# APPENDIX A



# DRAWINGS



JOB TITLE

BEACHES YARD, HORTON ROAD,  
WEST DRAYTON

DRAWING TITLE

AUTOTRACK SWEPT PATH ANALYSIS  
HGV TURNING – TURNTABLE NOT OPERATIONAL

Rev Description Drn Chk Date

REVISIONS

Preliminary Approval Tender Const.

DRAWING STATUS

DATE MAR CH DRAWN RD CHECKED DLW ISSUE CHECKBOX

DRAWING No. 6969.013 REV. 1:500 @ A3