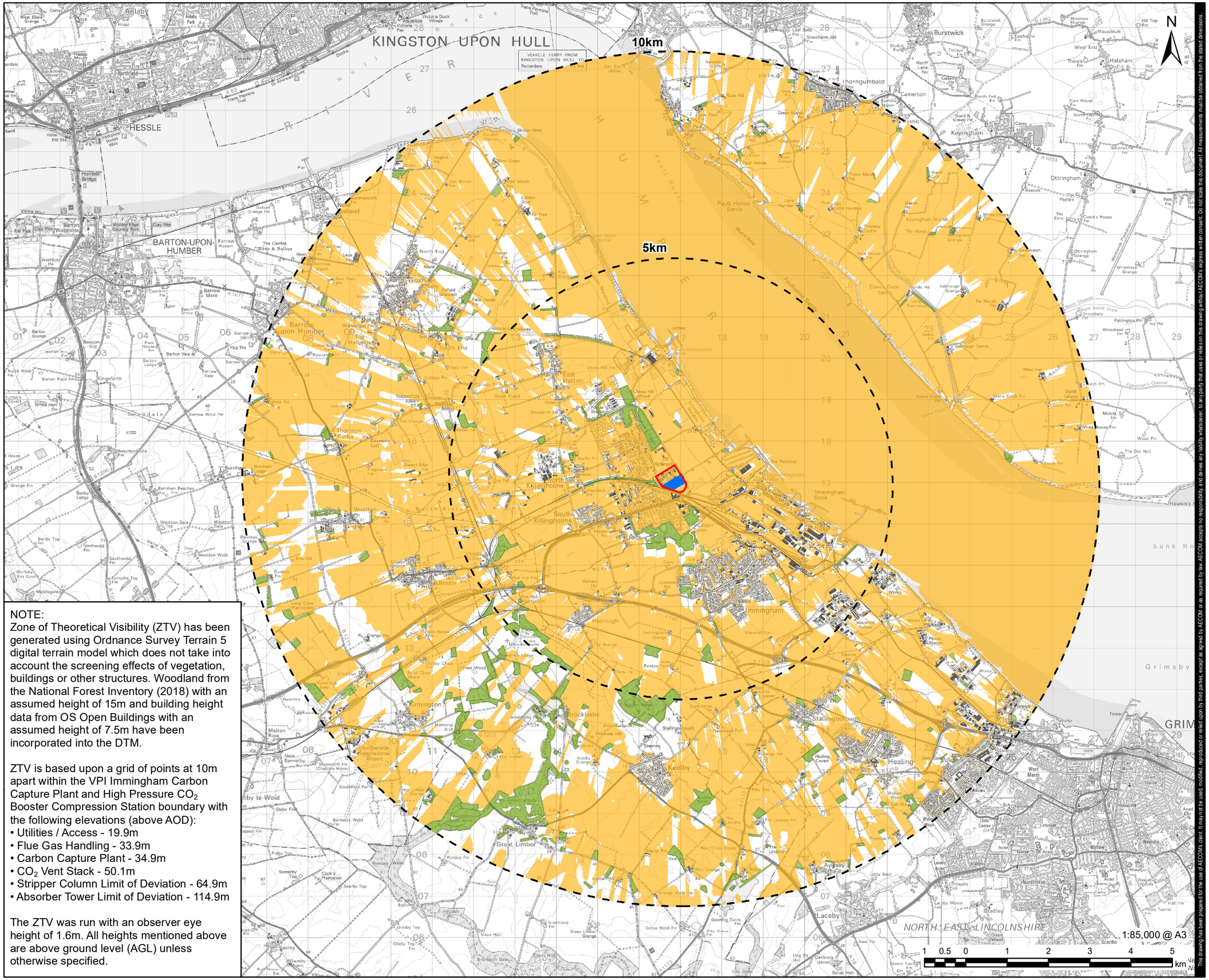
Revision: 3 Drawn: AG Checked: LC Approved: KC Date: 2023-02-09



NOTE:
Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model which does not take into account the screening effects of vegetation, buildings or other structures. Woodland from the National Forest Inventory (2018) with an assumed height of 15m and building height data from OS Open Buildings with an assumed height of 7.5m have been incorporated into the DTM.

ZTV is based upon a grid of points at 10m apart within the VPI Immingham Carbon Capture Plant and High Pressure CO_2 Booster Compression Station boundary with the following elevations (above AOD):

- Utilities / Access - 19.9m
- Flue Gas Handling - 33.9m
- Carbon Capture Plant - 34.9m
- CO_2 Vent Stack - 50.1m
- Stripper Column Limit of Deviation - 64.9m
- Absorber Tower Limit of Deviation - 114.9m

The ZTV was run with an observer eye height of 1.6m. All heights mentioned above are above ground level (AGL) unless otherwise specified.

AECOM

PROJECT

Humber Zero

CLIENT

Phillips 66 / VPI Immingham

CONSULTANT

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LEGEND

- VPI Site
- Distance to Site
- Area Modelled for ZTV
- Vegetation (National Forest Inventory) - 15m
- OS Open Building - 7.5m
- Zone of Theoretical Visibility

NOTES

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ISSUE PURPOSE

FINAL

PROJECT NUMBER

60668866

FIGURE TITLE

Zone of Theoretical Visibility Maximum - VPI Immingham Carbon Capture Plant

FIGURE NUMBER

Figure 11.3

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