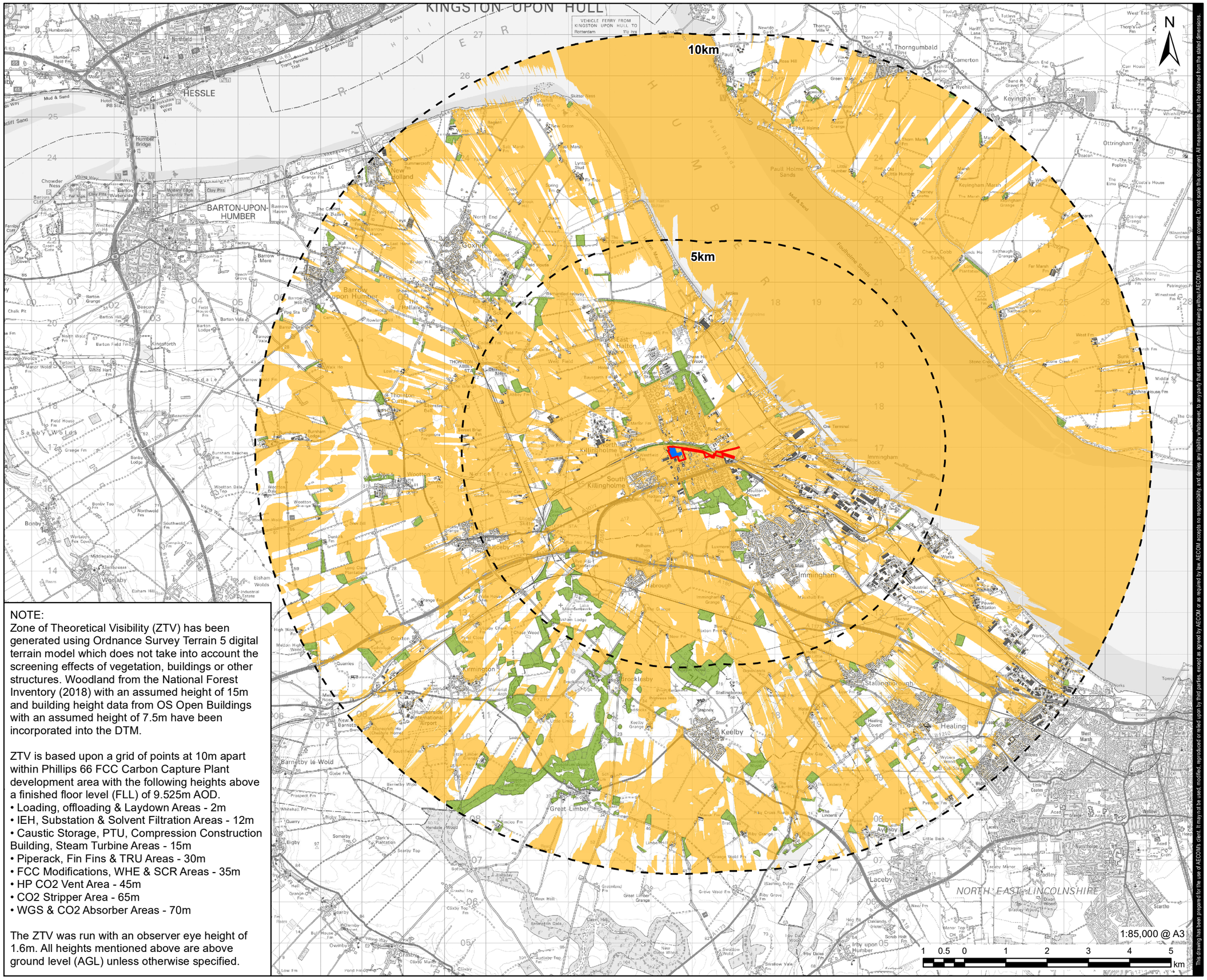
Revision: 3 Drawn: AG Checked: LC Approved: KC Date: 2023-02-09



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 Phillips 66 FCC Carbon Capture Plant development area with the following heights above a finished floor level (FLL) of 9.525m AOD.

- Loading, offloading & Laydown Areas - 2m
- IEH, Substation & Solvent Filtration Areas - 12m
- Caustic Storage, PTU, Compression Construction Building, Steam Turbine Areas - 15m
- Piperack, Fin Fins & TRU Areas - 30m
- FCC Modifications, WHE & SCR Areas - 35m
- HP CO2 Vent Area - 45m
- CO2 Stripper Area - 65m
- WGS & CO2 Absorber Areas - 70m

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

- Phillips 66 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 - Phillips 66 FCC Carbon Capture Plant

FIGURE NUMBER

Figure 11.2

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