LEVEL OF DETAIL

Runway White Markings

Edge Lines
Centrelines
Threshold Stripes
Threshold Number
Aiming point
Touchdown Zone

Runway Yellow Markings

Chevrons

Apron White Markings

Double white line (operational boundary)
Stand layout
Significant Vehicle routes

Apron Yellow Markings

Stand lead-in lines with stop ends

Taxiway Yellow Markings

Centrelines
Hold markings (Type A / B / IHP) with IHP markerboard symbol (black/yellow or red/white)
Verge boundary
Stand arrow markers

Helicopter Markings

Aiming Point (e.g H)
TLOF (e.g circle yellow line 50cm thick)
FATO (e.g square white line 30cm thick)

Other Airport Markings

Vehicle holds + label
Vehicle checkerboard crossings (taxiways)

Survey Layout Markings

North Arrow
Grid Lines

Boundary Lines

Airside boundary perimeter
CAA licence boundary (if different to airside)
Other significant internal fencing boundaries

Feature Outlines

Hard/Grass surface taxiway
Hard/Grass surface runway
Hard/Grass surface apron
Buildings
Service Roads
Disused areas + X's

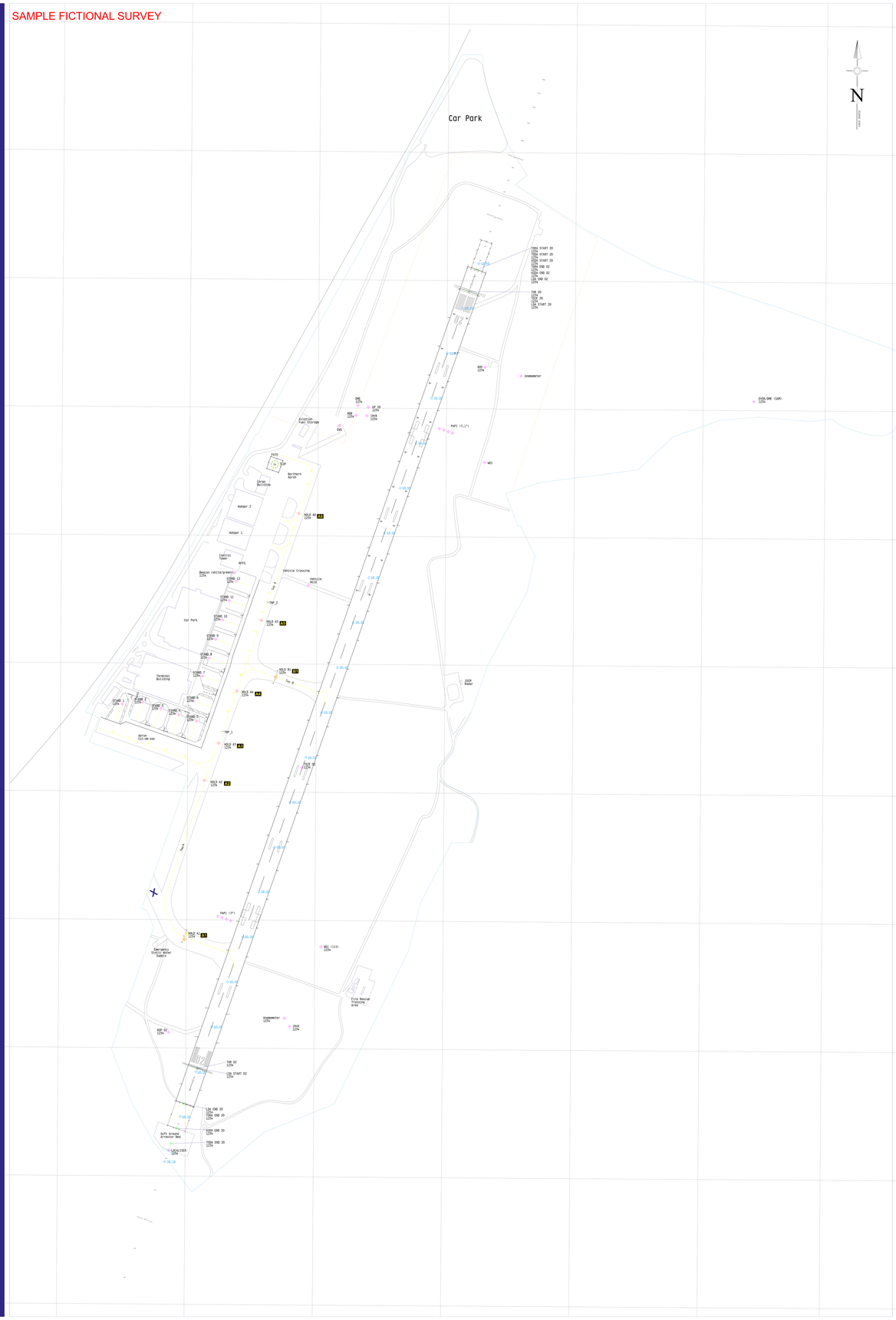
Lighting

Runway edge regular (white) .....
Runway edge with directional caution zone (white/yellow) .....
Pre-Ruway edge (red) .....
Pre-Ruway edge with directional caution zone (red/yellow) ....
Runway threshold (green) .....
Threshold wingbars (green) .....
Runway end (red) .....
Approach (white) .....
Touchdown Zone (white) .....
Stopway (red) .....
Starter extension (blue) .....
Hold stopbars (red) .....
Hold guard lights (amber) .....

Lighting Key (x10 Scale)

EDGE
EDGE + CZ
DTHR
DTHR + CZ
THR
WB
END
APP
TDZ
SWY
STR
SB
GL

SAMPLE FICTIONAL SURVEY



Aerodrome Facilities, Runway Profile & Declared Distances (from csv dataset)

AD Facilities point symbol (magenta) + label name + UID
Runway profile elevations: point symbol (blue) + elev FT label (blue)
Declared Distance: point symbol (green) + label name + UID

Note: Stands and Holds should be labelled to include individual identifier names.

Supplementary Features (as markings and/or labelling)

ATC Tower
Tug Release Points (TRP), with a/c facing direction if known.
Hangar, Apron, Terminal & Taxiway labels

Specialist Features - Sponsors Validity Check

Hot Spots
Code F routing

Change Summary

Survey Date / Change Description / Revision Number
To show a history table for a rolling 5 years worth of change descriptions.

Aerodrome facilities Table

There is no requirement from NATS AIS to have the facilities table duplicated from the AD.csv on the survey plan view. As per the level of detail requirements, the facilities points only need to be symbolised in position and labelled with their name and UID.

Delivery Format

DWG/DGN
Note: MODEL SPACE SETUP - Make sure when setting up the CAD model space that there are no global origin offsets which have the potential to cause alignment issues when referencing the CAD file into another CAD platform / GCS.

+

PDF
Note: PDF DETAIL ELEGIBILITY - To see all the linework clearly, print to A1 and use an appropriate line weight for PDF creation, e.g 0.05mm, and 1200 dpi printing, this enables the fine line detail of hold markings and apron lines etc to be individually distinguishable.

Labelling Presentation

Font to be sized small enough to identify by proximity (in the majority of cases) the feature symbol to which it is labeled against and to reduce loss of visibility to the graphical detail.