

APPENDIX 7

Required Structure of CAD Files for Registration Purposes

CAD files submitted to Property Registration Authority containing digitised boundary geometry for a Registration must conform to the following requirements:

- 1 **File must be in .DWG format.**
DXF files generated by non-AutoCAD cannot be accepted as the content of the resulting DWG file cannot be guaranteed consistent with applicant expectations.
- 2 **The CAD file must be emailed to shay.arthur@prai.ie as a single file.**
Any referenced geometric data must be bound into the file and any references to images must be removed from the file before it is submitted to Property Registration Authority.
- 3 **Geometry must be in ITM Coordinates.**
All geometry and annotation in the CAD file must be referenced to Irish Transverse Mercator (ITM) coordinates.
- 4 **Data must be structured in standard layers and colours.**
The data relating to the proposed registration in the CAD file must be structured into Property Registration Authority standard layers ("LR_" prefix) and must conform to the Property Registration Authority standard colour convention to facilitate unambiguous interpretation of the data. Data on non-standard layers will be considered to be reference material only and will not be interpreted by Property Registration Authority.
- 5 **Line Style must be Continuous.**
Only Continuous Line Style to be used for Plan boundary lines.
- 6 **Annotation must be clear and unambiguous.**
The size and style of annotation text must be such that it is clear and unambiguous when viewing the complete area of the registration to which it applies. On large schemes this means that individual plan annotations are clear when viewing a single plan area and its environs.
- 7 **Lines must completely enclose Plan areas.**
The lines representing a boundary for a Plan area must be complete and must not leave any gaps in the boundary. Holes in a Plan area must be similarly enclosed by lines.
- 8 **File must include the latest available OSi topographic vector data.**
OSi geometry should be displayed and plotted in black to make it distinguishable on the hard copy version.

Property Registration Authority Standard Layers and Colours

See examples of DWG & Layer Properties Manager in Figs 1, 2, and 3

A CAD file submitted as part of an application to Property Registration Authority must conform to the following Layer and Colour standard for details which are directly related to the proposed registration. Other geometry and annotation details can be included in the file but this must not be contained on the Property Registration Authority standard layers.

Layers and Colours:

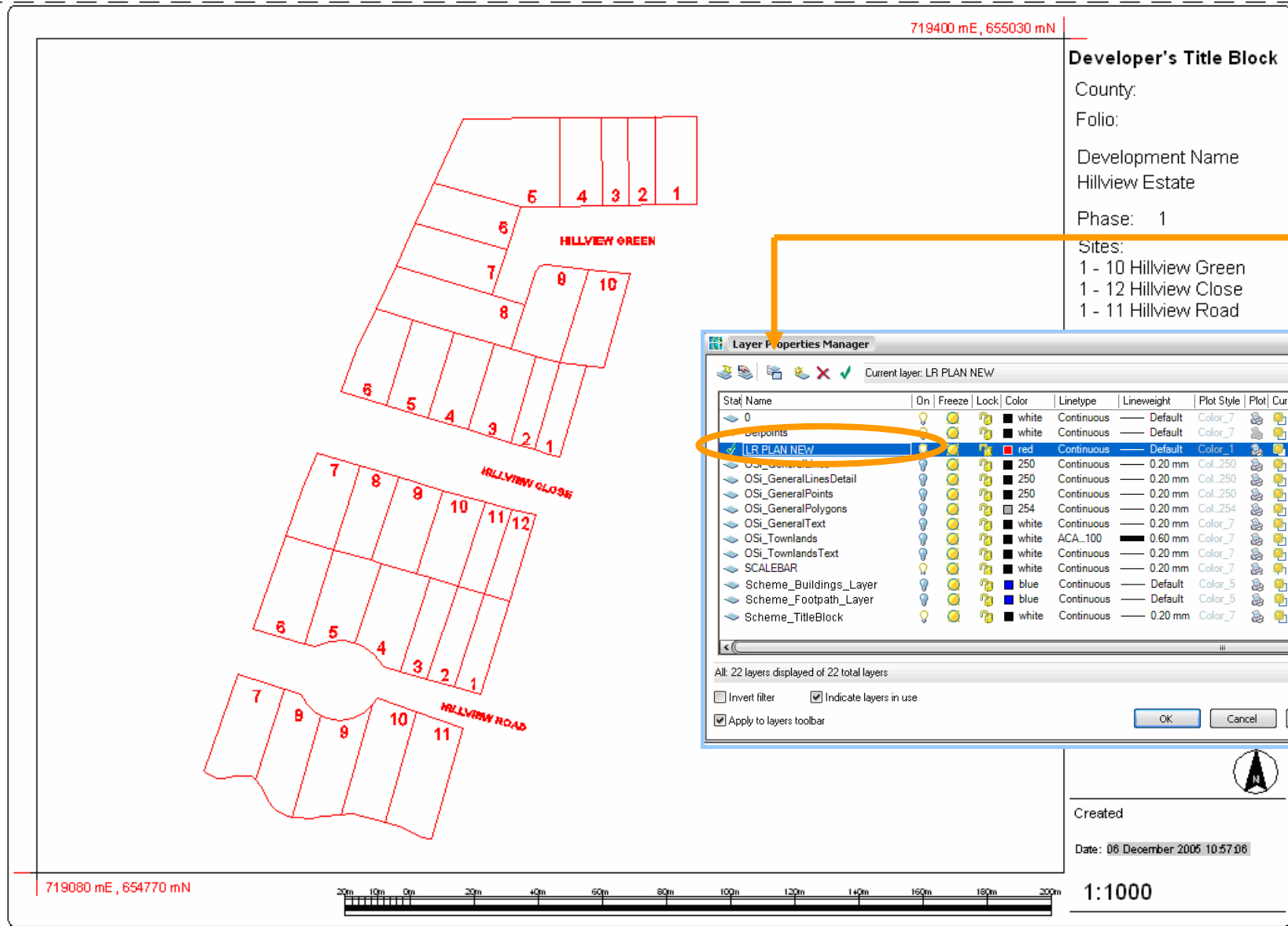
- **LR_PLAN_NEW (Red)**
Used for proposed Plan area boundaries which are not already on the Land Registry Map and any annotation relating to the proposed Plan registration.
- **All other layers Colour optional –**
Please do not use Red (LR) or Black (OSi)

Other geometries and annotation may be included in the CAD file for reference purposes or for presentation. This information will not be used by Property Registration Authority in processing the application. The applicant must ensure that all geometric and annotation information pertinent to the processing of the application is included on the Property Registration Authority standard layer listed above.

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Fig. 1



LR_PLAN_NEW
New polylines to form the properties should be digitised on this layer only
Site Numbers and **Road Names** should also be placed on this level.

See *example in Fig. 1 and Layer Properties Manager*

Layer Properties Manager

Current layer: LR PLAN NEW

Stat Name	On	Freeze	Lock	Color	Linetype	Lineweight	Plot Style	Plot	Cur	Ne	Description
0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	white	Continuous	Default	Color_7				
Depoints	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	white	Continuous	Default	Color_7				
LR PLAN NEW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	red	Continuous	Default	Color_1				
OSI_GeneralLines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	250	Continuous	0.20 mm	Col_250				
OSI_GeneralLinesDetail	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	250	Continuous	0.20 mm	Col_250				
OSI_GeneralPoints	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	250	Continuous	0.20 mm	Col_250				
OSI_GeneralPolygons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	254	Continuous	0.20 mm	Col_254				
OSI_GeneralText	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	white	Continuous	0.20 mm	Color_7				
OSI_Townlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	white	ACA_100	0.60 mm	Color_7				
OSI_TownlandsText	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	white	Continuous	0.20 mm	Color_7				
SCALEBAR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	white	Continuous	0.20 mm	Color_7				
Scheme_Buildings_Layer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	blue	Continuous	Default	Color_5				
Scheme_Footpath_Layer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	blue	Continuous	Default	Color_5				
Scheme_TitleBlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	white	Continuous	0.20 mm	Color_7				

All: 22 layers displayed of 22 total layers

Invert filter Indicate layers in use

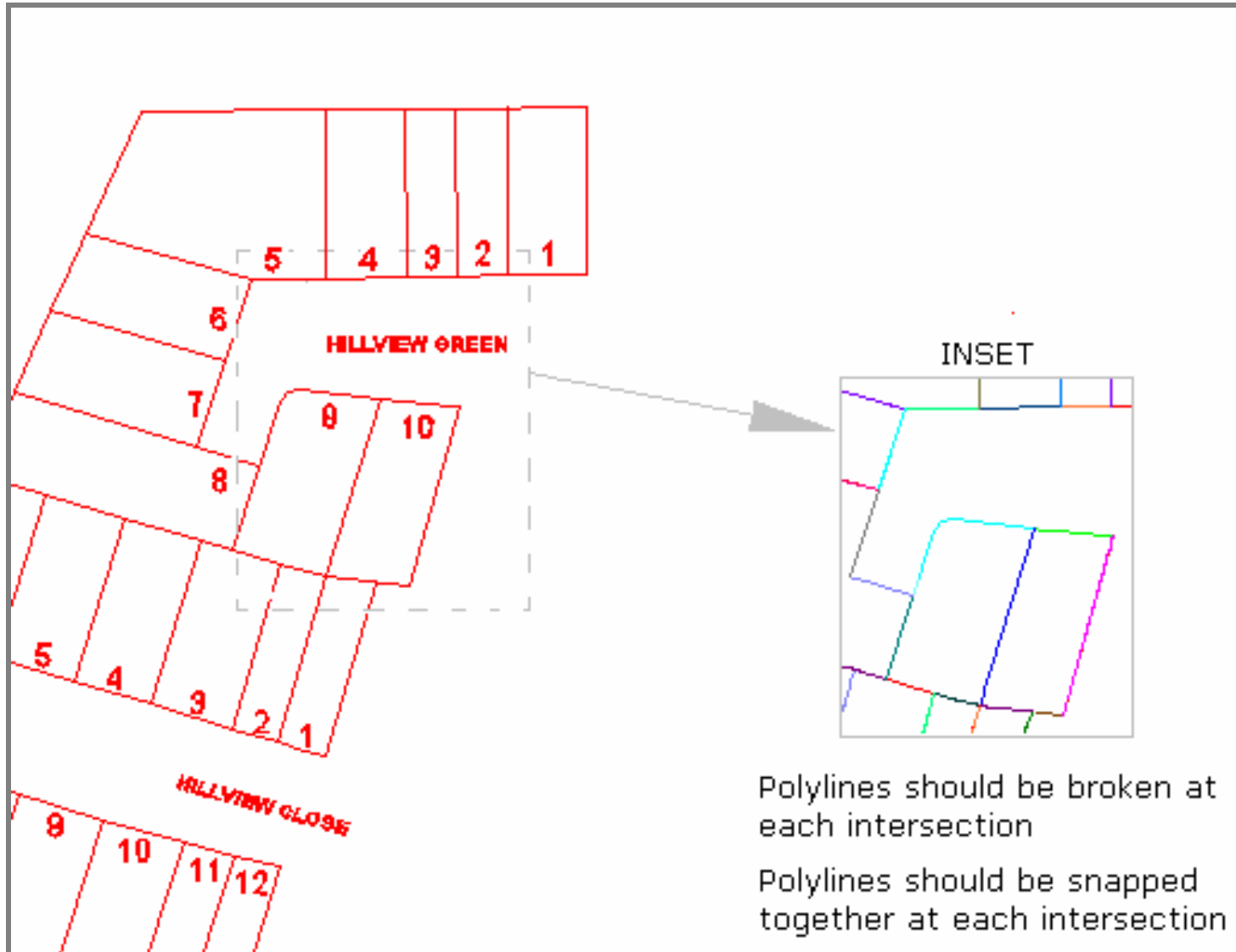
Apply to layers toolbar

OK Cancel Apply Help

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Fig. 2



LR_PLAN_NEW

See inset for how polyline geometry should be broken at each intersection.

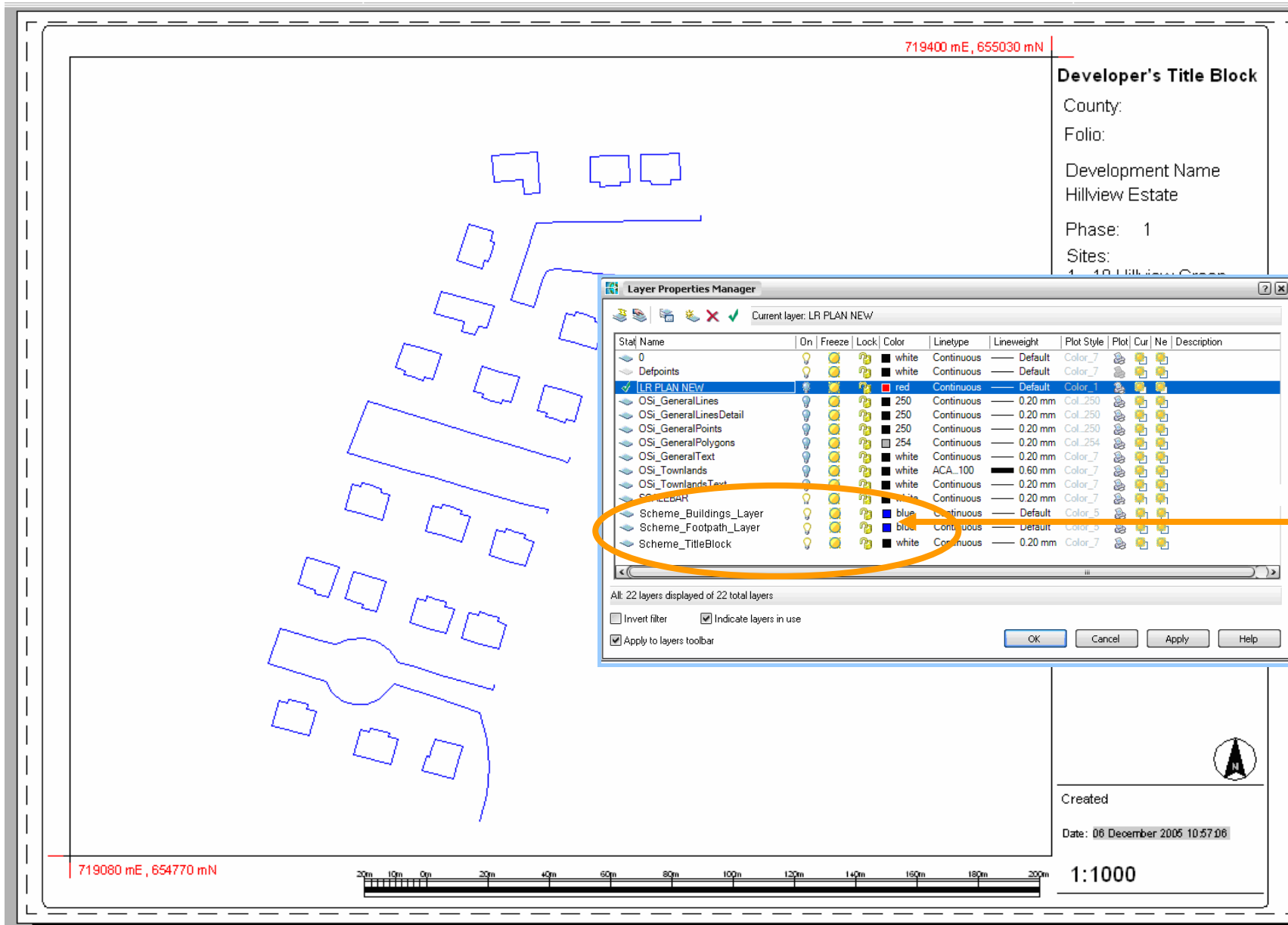
In the inset the geometry is shown using different colours to indicate each polyline.

Although the polylines are broken at each intersection they should still be snapped together

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Fig. 3



Scheme layer(s).

Other Geometry such as buildings or footpaths that might be considered relevant to the development scheme can be digitised on one or more scheme layers.

Colour is optional, but do not use Red or Black as those colours should be reserved for LR and OSi layers.

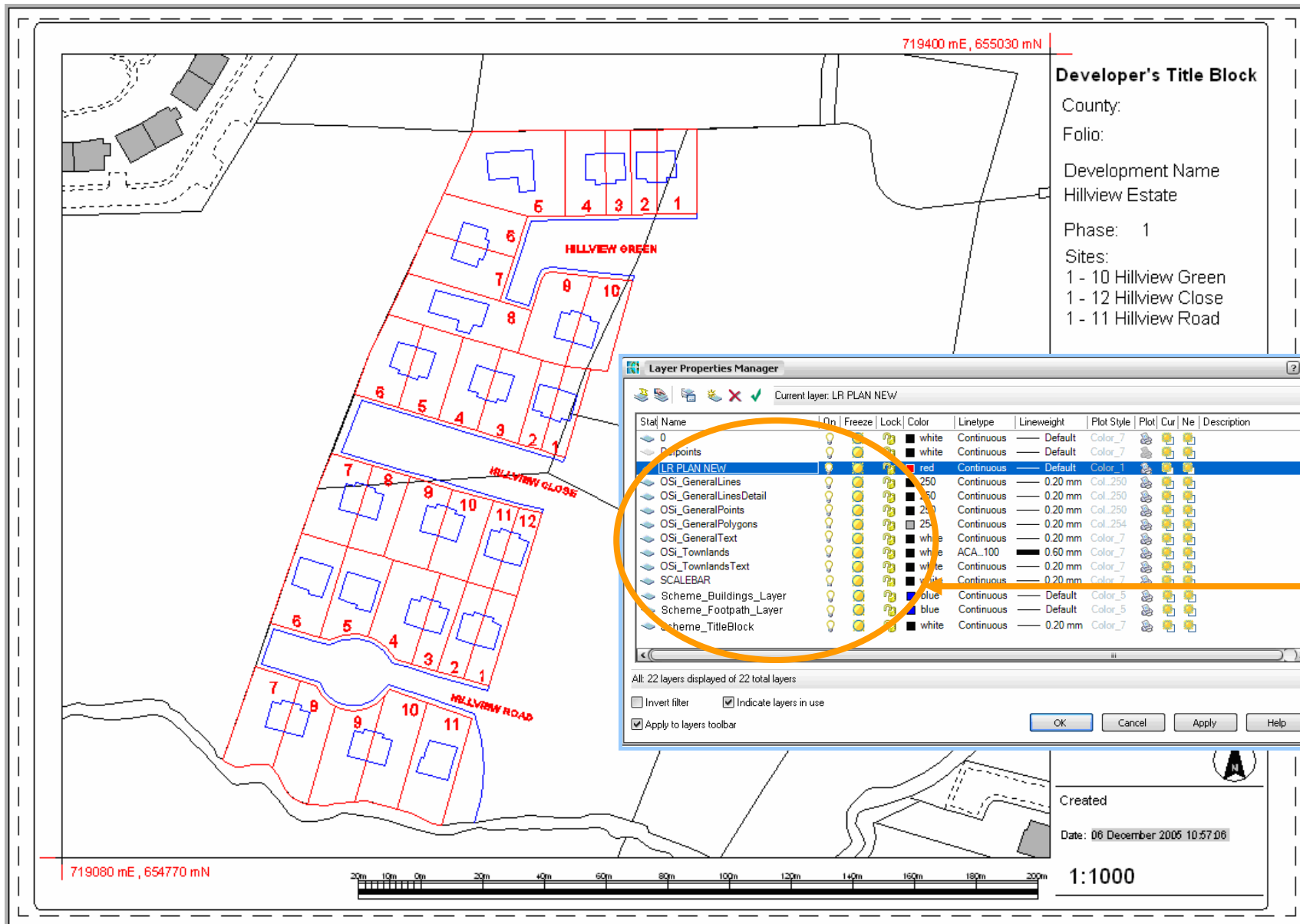
Blue has been used in this example

See *example in Fig 2 and Layer Properties Manager*

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Fig. 4

Required Structure of CAD Files for Registration Purposes



Hard Copy of Scheme

LR_PLAN_NEW Layer
OSi Layers
Scheme Layers.

Hard copy of scheme map should be generated with LR_PLAN_NEW and OSi layers turned on.

Scheme layer(s) is optional

It is up to the lodging party to decide whether to include other geometry.

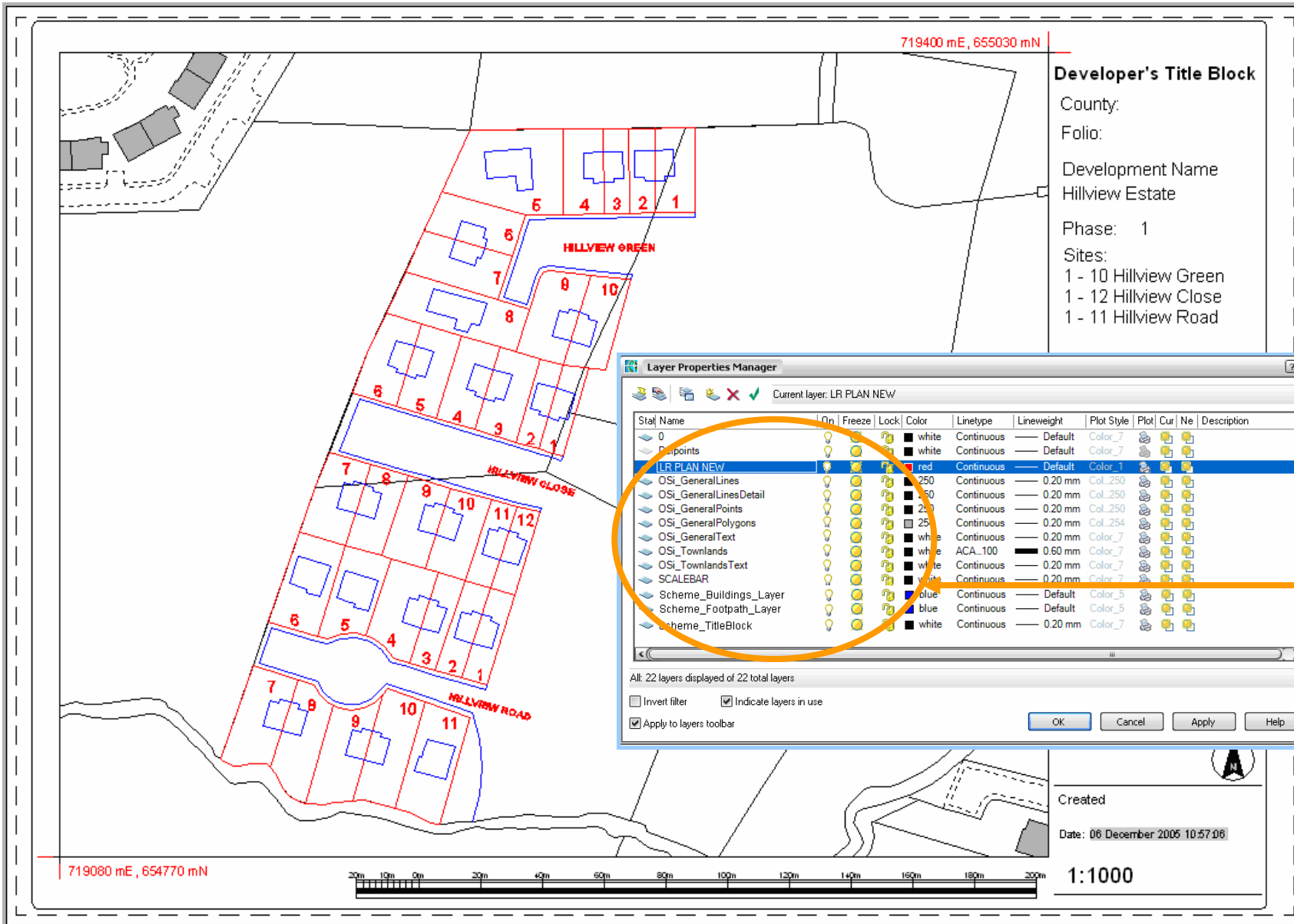
If including other scheme geometry then scheme layers should be turned on for printing purposes.

See example in Fig. 3 and Layer Properties Manager

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Required Structure of CAD Files for Registration Purposes

Fig. 5



Hard Copy of Right Of Way/Wayleave

LR_PLAN_NEW Layer
OSi Layers
Scheme Layers.

Hard copy of scheme map should be generated with LR_PLAN_NEW and OSi layers turned on.

Scheme layer(s) is optional

It is up to the lodging party to decide whether to include **other geometry**.

If including other scheme geometry then **scheme** layers should be turned on for printing purposes.

See *example in Fig. 3 and Layer Properties Manager*