

4. Other symbolization

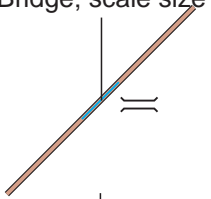
- Adjust bridge to road

Bridge; longer than 50m in length

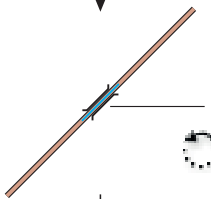


Bridge; scale size
(DATE TYPE : Line)

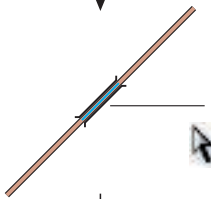
Bridge; scale size



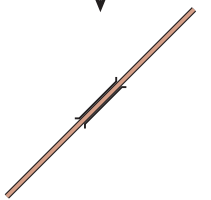
*Past in same layer from symbol_palette under
"Paste remembers layer" setting
-: Check mark to "Paste Remembers Layers"



Align with road by using
"Rotate tool"



Adjust length by using
"Direct select tool"

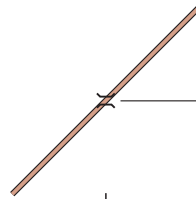


After adjust symbol, original line which was
from cad data should be deleted

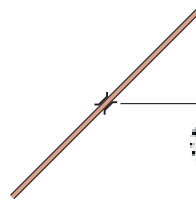
Bridge; shorter than 50m in length



Bridge; regular point symbol
(DATE TYPE : Point)



*Past in same layer from symbol_palette under
"Paste remembers layer" setting.
-: The symbols shall be done expanded.
-: Check mark to "Paste Remembers Layers"



Align with road by using
"Rotate tool"

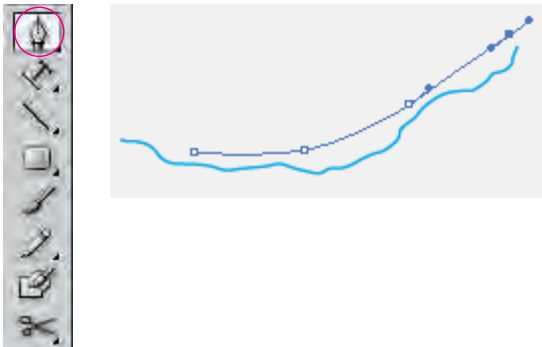
- Align annotation along the liner features



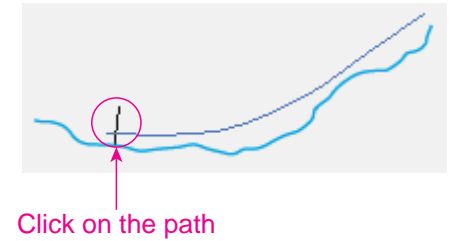
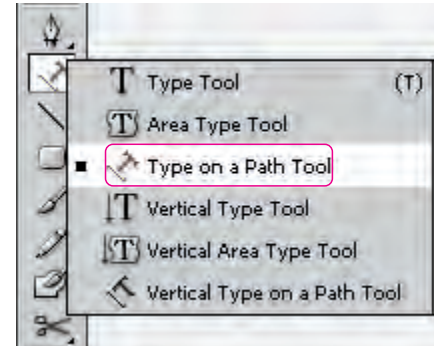
1 Cut (Ctrl+X) a text.



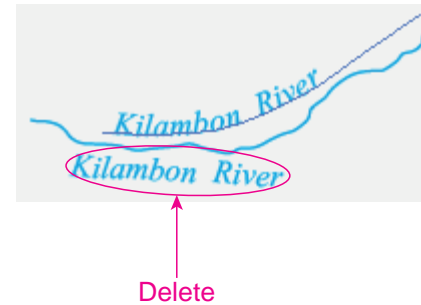
2 Draw a path to accommodate annotation along the liner feature with the "Pen tool".



3 Click on the path with the "Type on a Path tool".



4 After "Paste" (Ctrl+V) the original text that it is delete.



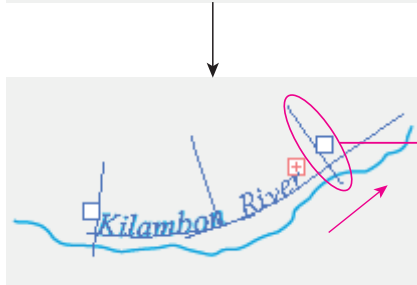
5 When characters do not fit within along a path, draw the path with the “Pen tool”, and drag the “bracket” at the end of the path as all characters fit.



the Sign that Characters are not fit.

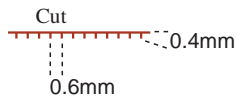


Add the path with the “Pen tool.



When the pointer is bringing closely to the bracket, A small icon ▶+ will appear then Drag the bracket.

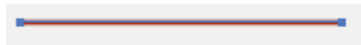
- Create with the Offset Path command



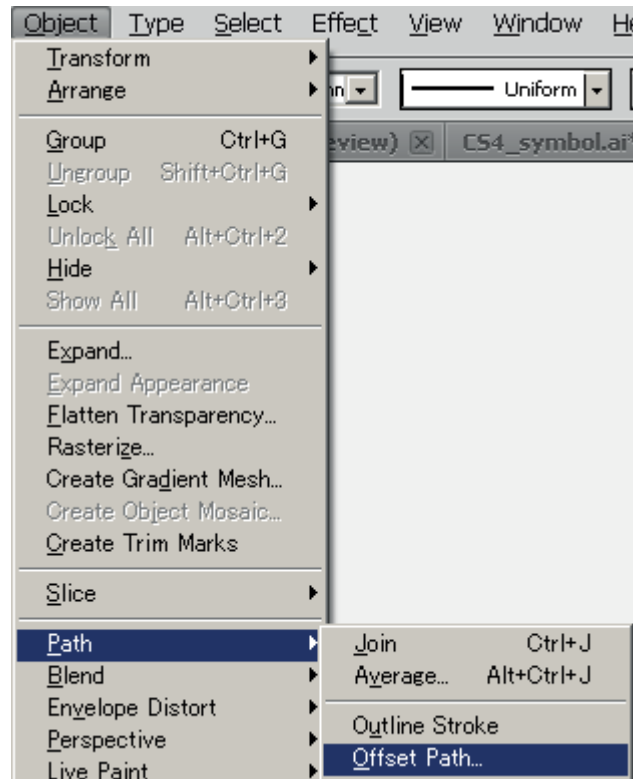
(1) Line figures ; from CAD data

(2) Offset duplicate objects

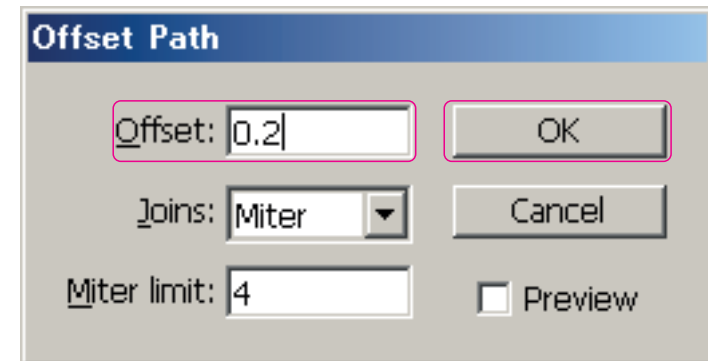
1 Select the objects.



2 Choose Object > Path > Offset Path.



3 Enter the length of half of the nip line in the Offset text box. Click "OK".

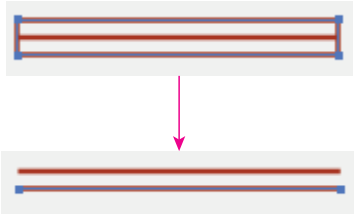


* After created the offset paths, it might be accommodated into created the certain temporary layer because of convenient for next work.

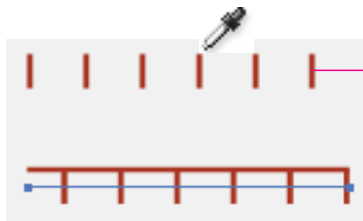


After creating offset paths, it "Cut" (Ctrl+X), and "Paste in Front" (Ctrl+F) on the certain temporary layer or drags the selected -art indicator to the layer.

4 The unnecessary paths shall be deleted

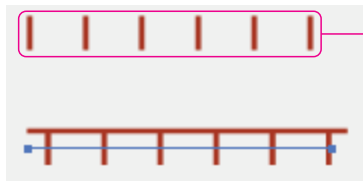


5 Apply an attribute with the Eyedropper tool.
see “●Line figures (2)” in previous page.



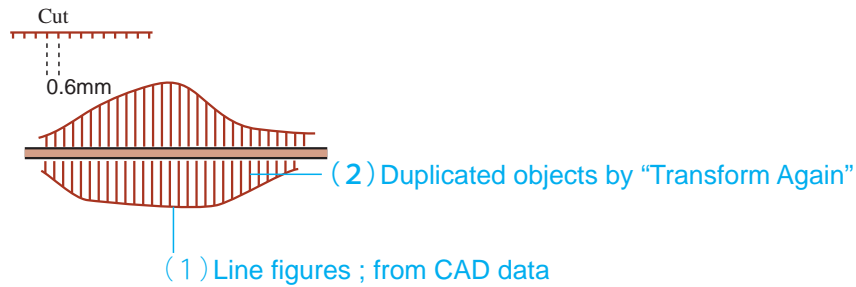
The offseted nip lines might be worked in a temporary layer.

6 Adjust the length of the path, to improve the looks of the nip line.
then they are moved to original layer.
After their moving, the temporary layer shall be removed.



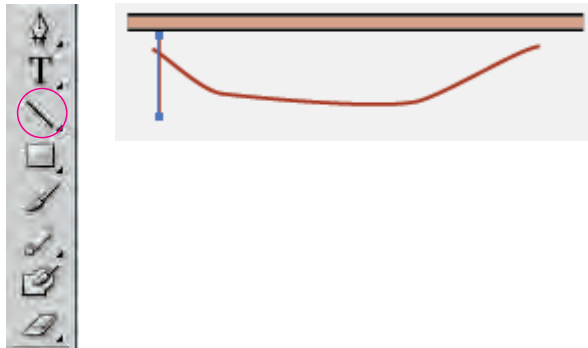
The offseted nip lines in the tmp. layer shall be move again to original their layer.

- Create with the Transform Again command



- (2) Duplicate an object by a specific distance

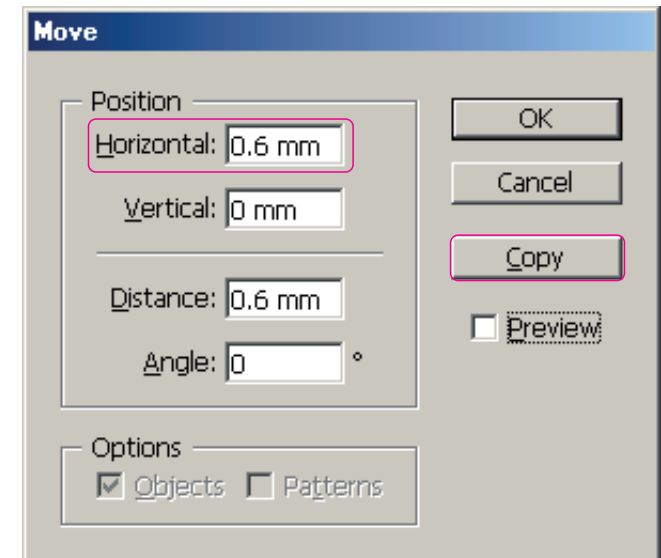
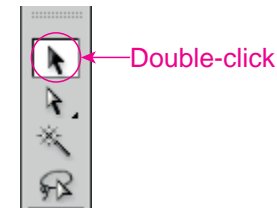
1 Draw a perpendicular path from the "Cut" symbol line with the "Line Segment tool".



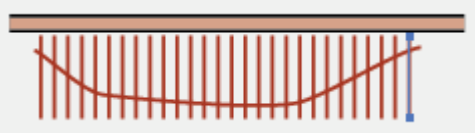
- 2 If necessary, set the stroke color and line styles.



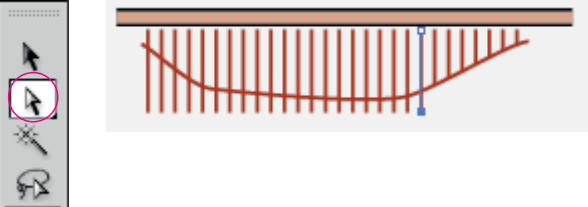
- 3 Open the "Move" dialogue box by double-click either "Selection tool". Enter the move value in the Horizontal text box. Click Copy.



4 Holding the (Ctrl+D), "Transform Again" command will copy as required number.

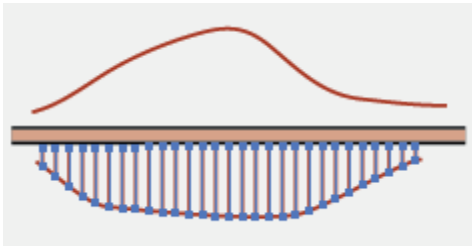


5 Adjust the length of the path with the " Direct Selection tool".

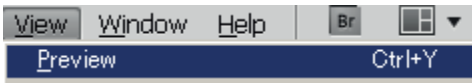
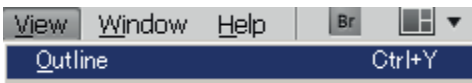


•Apply reflection object

1 Select the object to reflect.



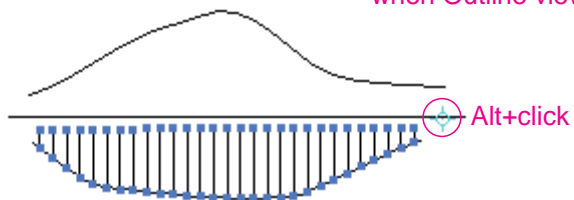
2 Change view to outlines view (Ctrl+Y),
Alt + click the center line of the road with the Reflect tool.



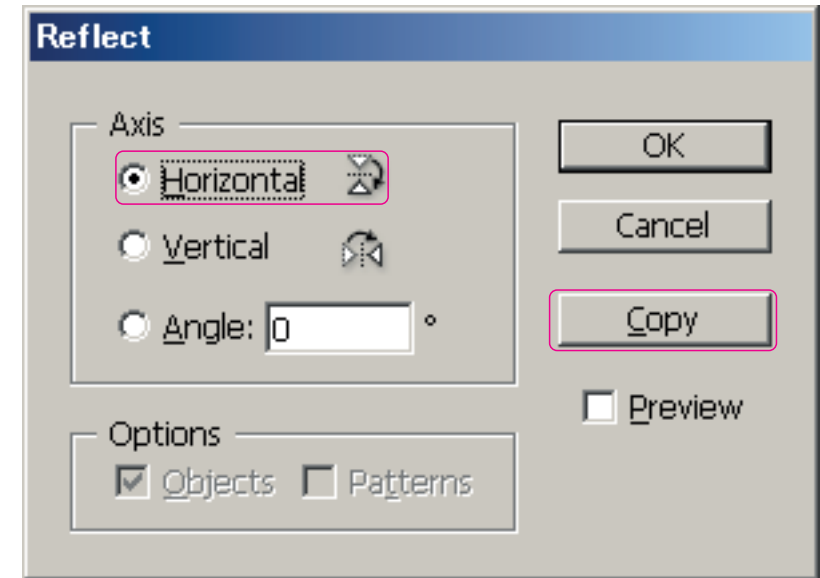
It can Switch to outlines view or
the preview with Ctrl+Y.



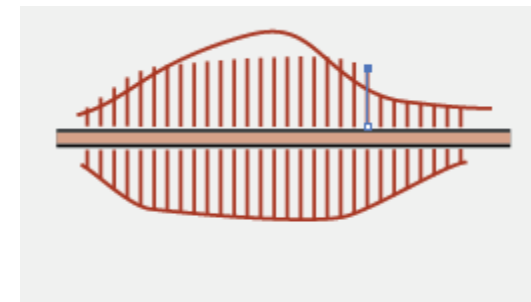
The eye icon has a hollow center
when Outline view is enabled.



3 Select the Horizontal in the "Reflect" dialogue box, click Copy.



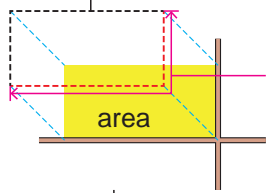
4 Adjust the length of the path with the "Direct Selection tool."



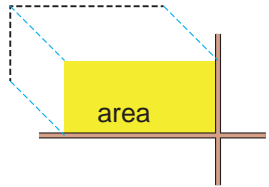
5. Basic edit

- The duplicated line with other line features should be deleted.

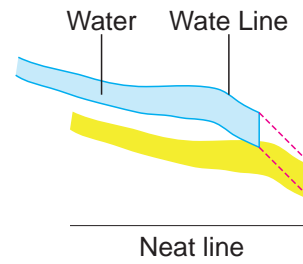
Certain area boundary



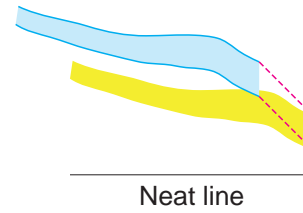
This boundary line overlaps with road features.



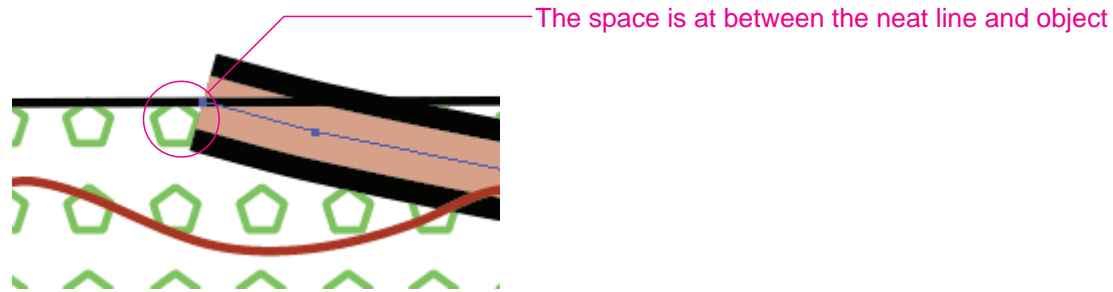
- The duplicated line with neat line should be deleted.



This water line overlaps with neat line.

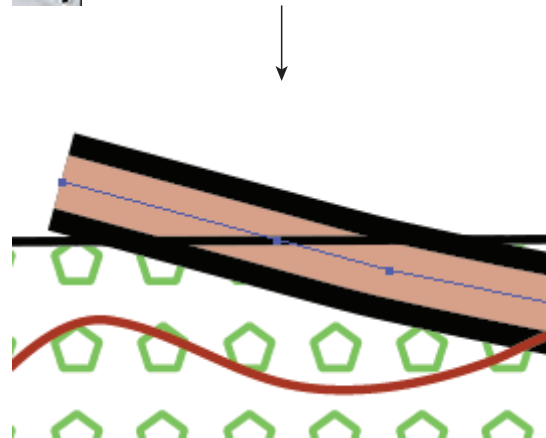


- Extend under shoot line to neat line

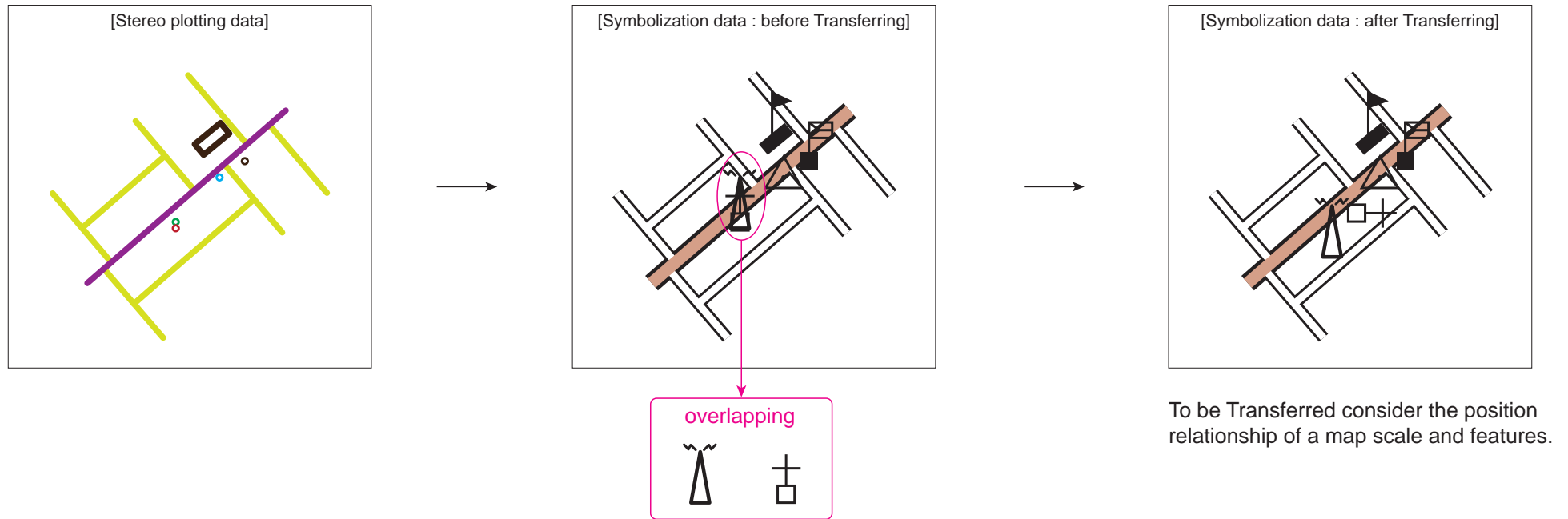


Using the "Pen tool".
Add to the outside of the neat line.

Or, select as enclosing only end points of objects by using "Direct selection tool", then pulling to out of neat line with keeping direction .



- Transferring in order to avoid overlapping of symbols.



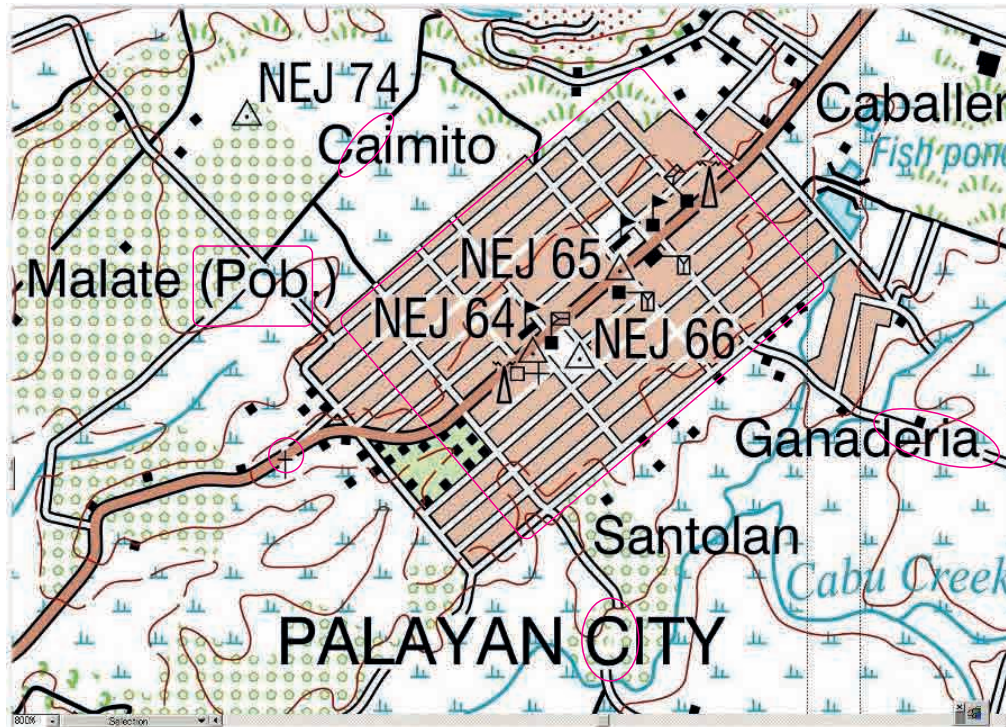
When transferring symbols, it shall be considered “cartographic judgment” to transfer from a true position as less as possible..

When unavoidable, symbols can be transferred from a true position.

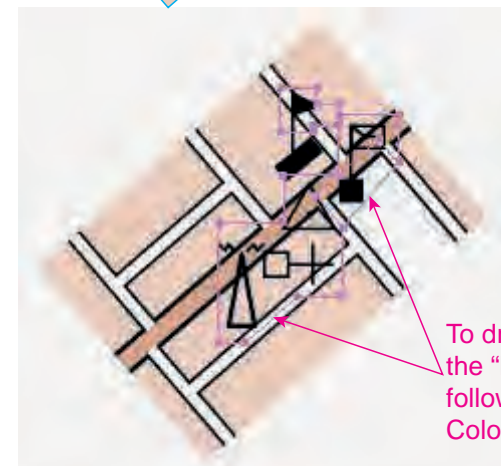
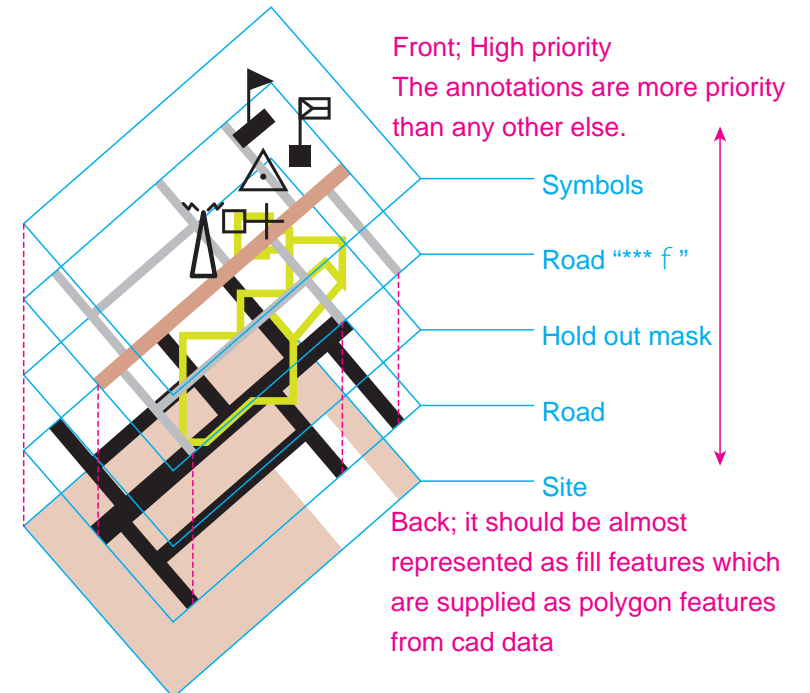
Commonly, in 1/50,000 scale map might be accumulated transferring value is maximum 2.4 - 2.6 mm on the map.

- * The point symbols might be scaled down 20% of itself.
- * Each point symbol should be spaced between 0.2mm at least.
- * When same color of annotation and map features or symbols should be spaced between 0.2mm at least.
- * Horizontal position might be transferred as less as 1.0mm at most 2.4mm

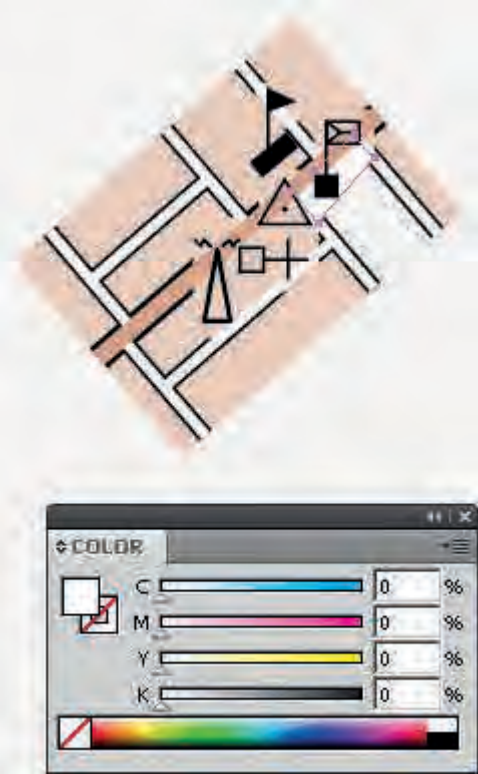
• In case of overlapping of the same color symbols, overlapped features and annotation of the same color should be masked which is called the "hold out mask".



1 When draw the "hold out mask" in order to cover the features, It should be respected priority of symbols and layer order .



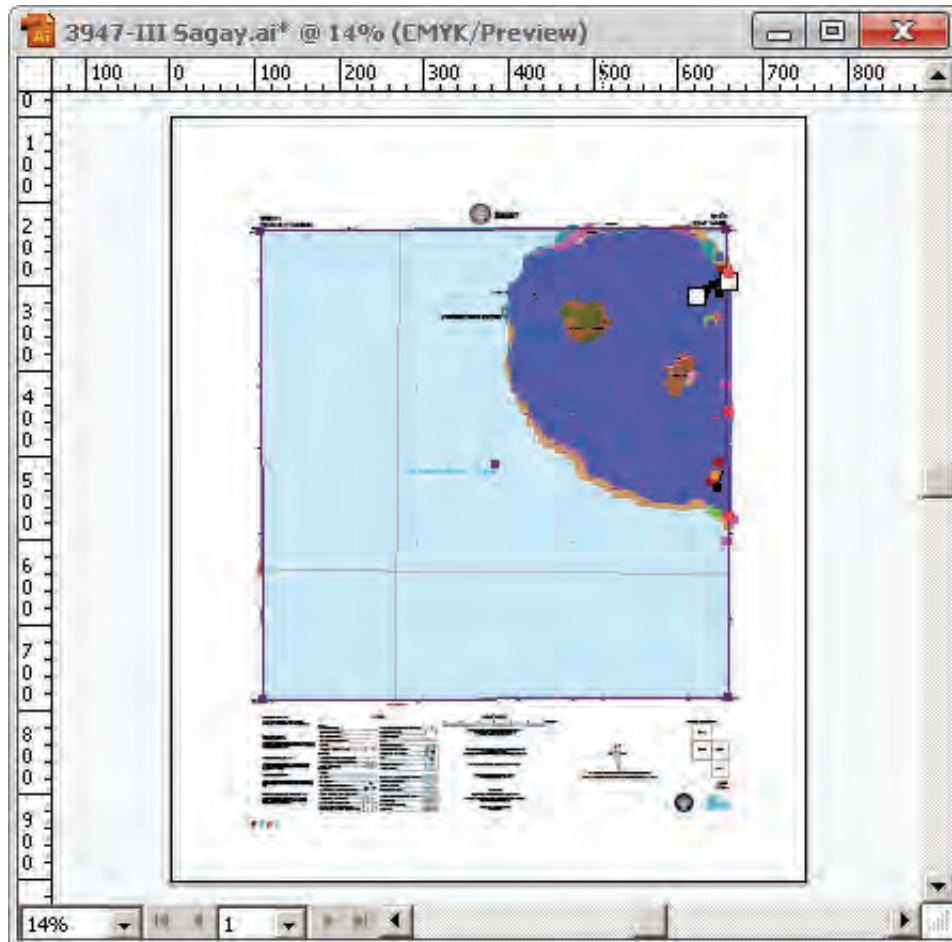
2 To set the Fill color to "hold out mas". it might be used "Eyedropper tool" or Color panel.



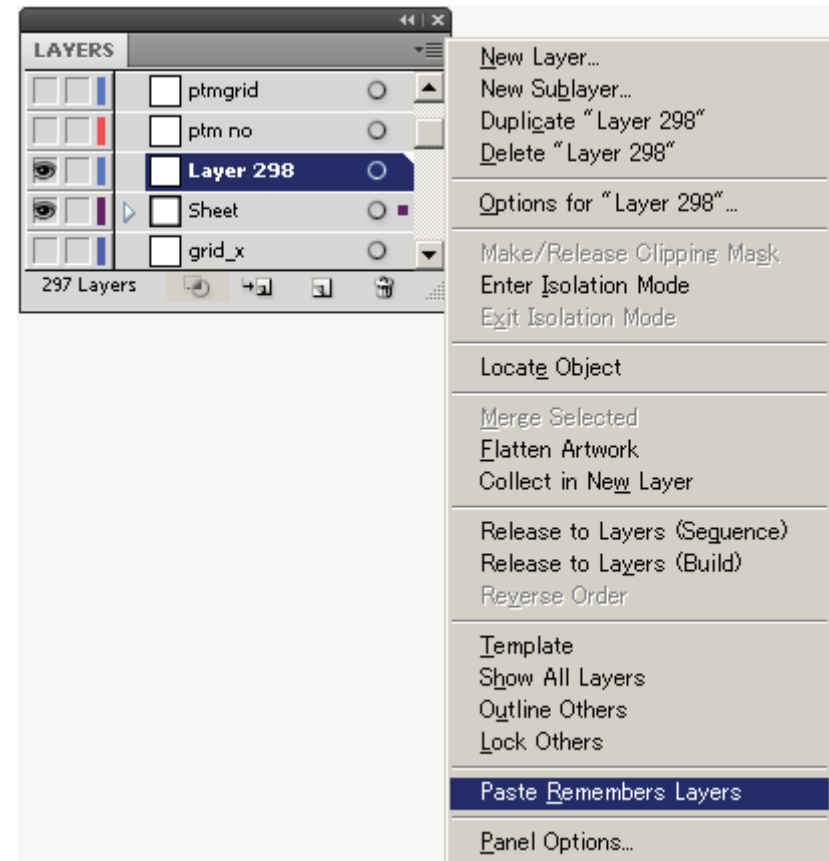
6. Adjoin neighbouring sheets

1 For example, adjoining left and right sheet,
Open left side sheet (Ctrl+O), select side of adjoining with "direct selection tool"
or entire objects then "Copy" (Ctrl+O).

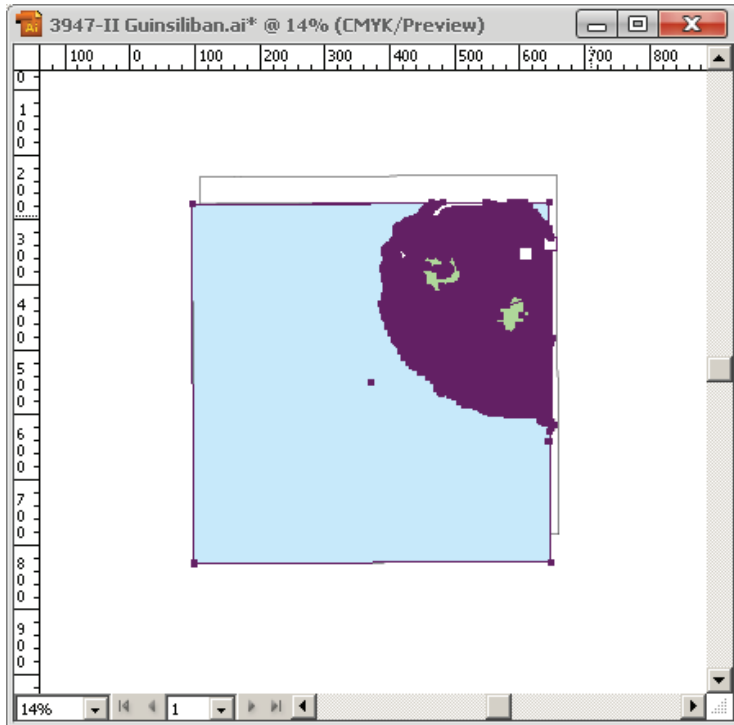
In case of entire selection sheet, it might be small map data.



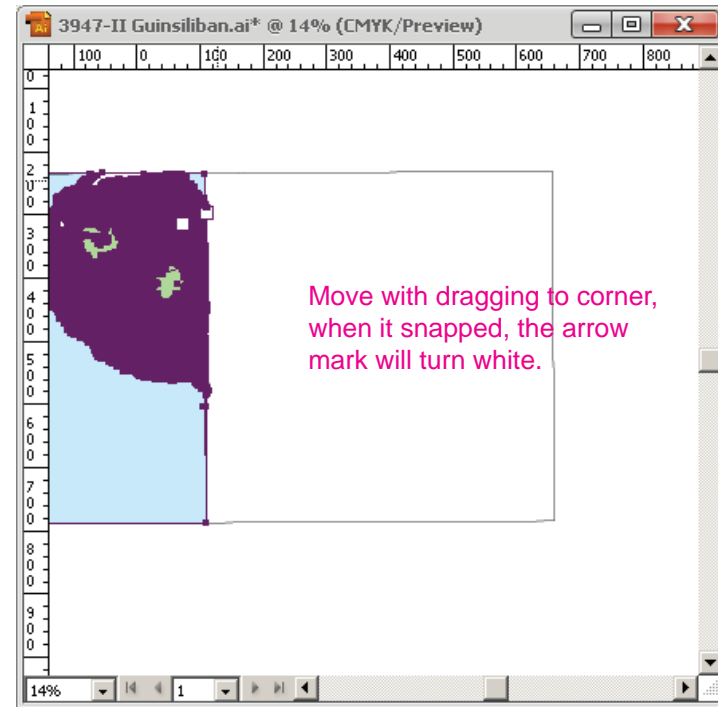
2 Open right sheet then Make new layer for
"pasting adjoining sheet" cancel Check mark
at "Paste Remembers Layers" and turn activate this layer.



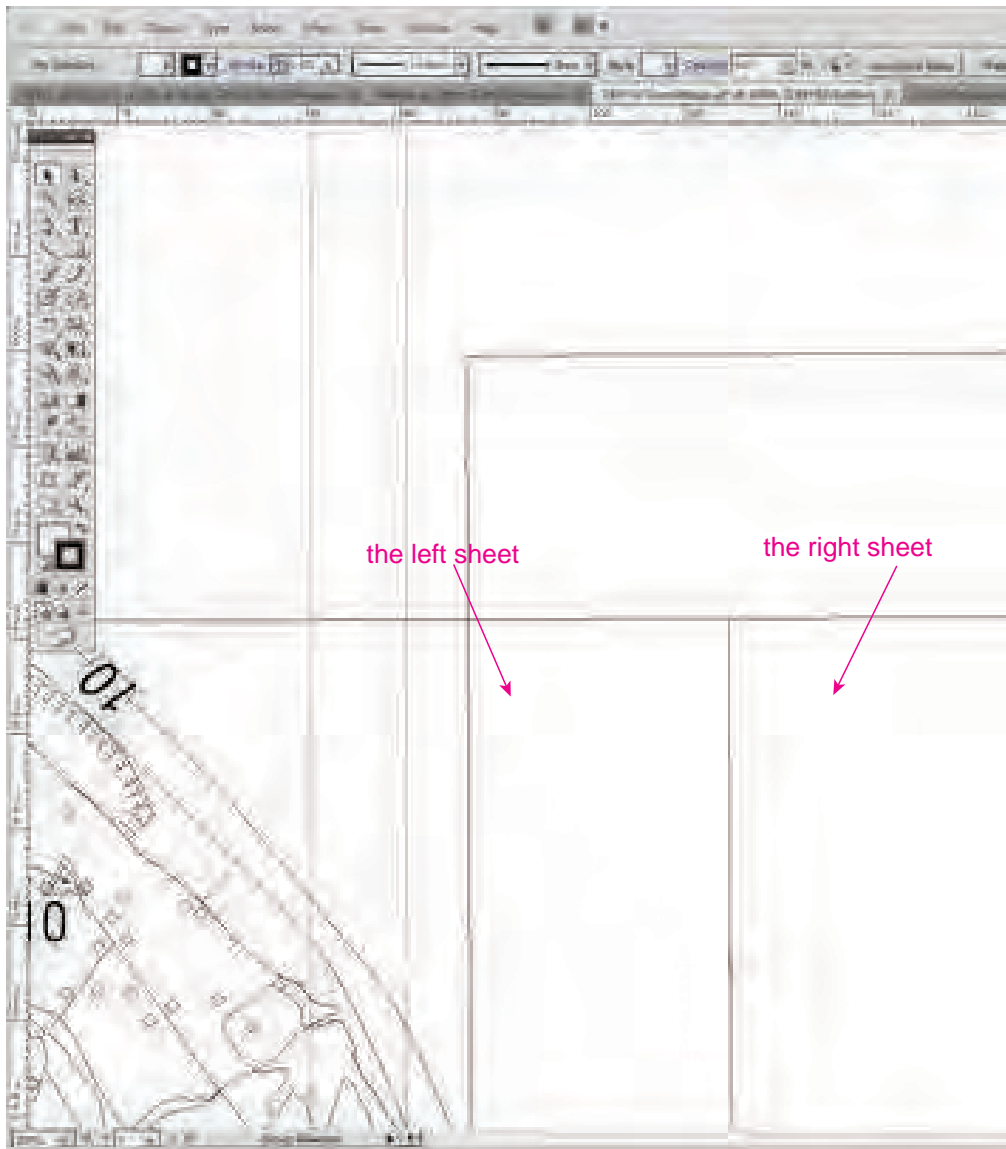
3 "Paste" in the new layer which has been made at right sheet file (Ctrl+V).



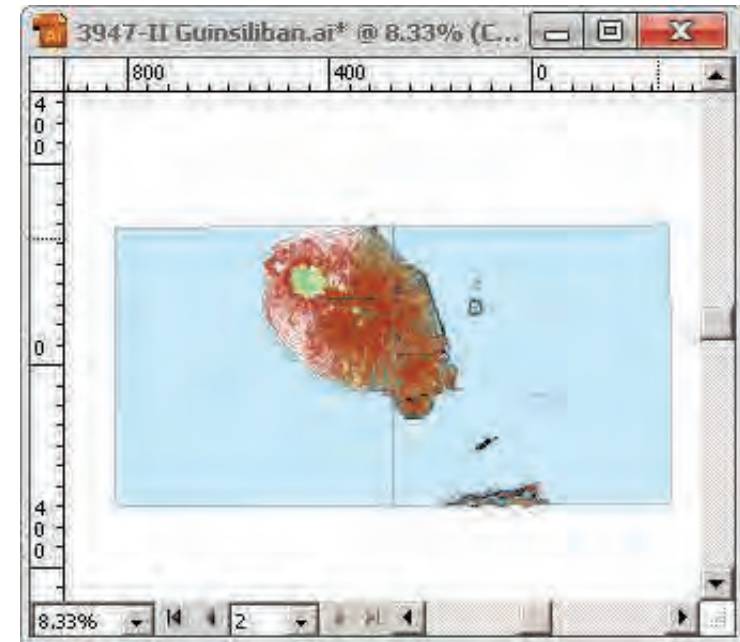
4 Set "smart guide" it is from view menu bar pull down menu or (Ctrl+U). Put "Selection tool" at the corner of the right side, then move and snap to left side of current map sheet's the left corner.



5 Move with dragging to corner, when it snapped, the arrow mark will turn white. When move and snap to another sheet neat line corner, it should be zoom in at the each corner in order to get clear view.

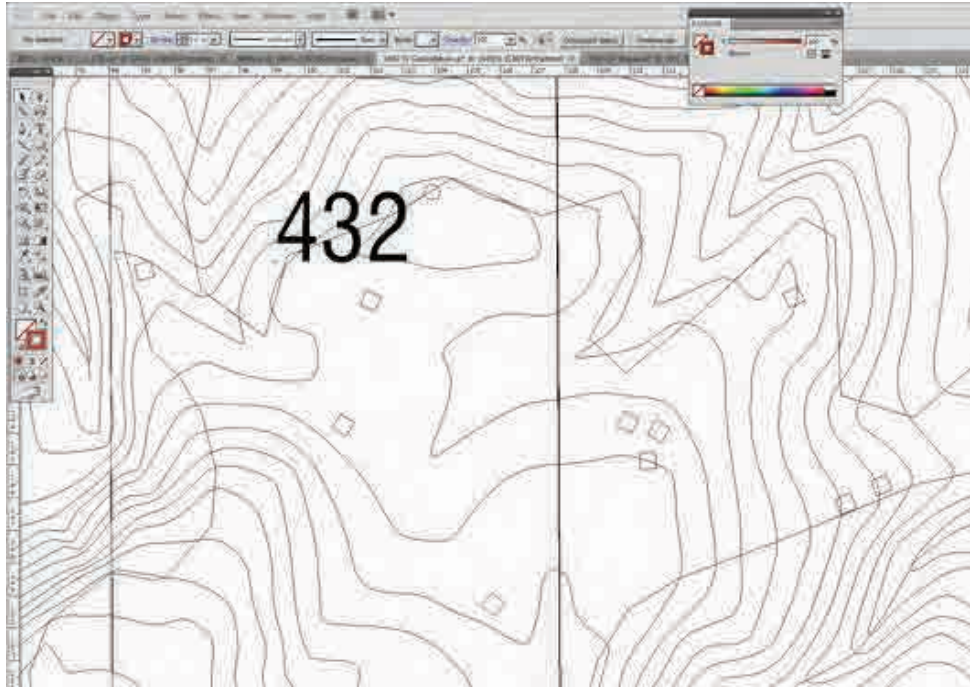


6 Turn on all layers, check sheets adjoining.

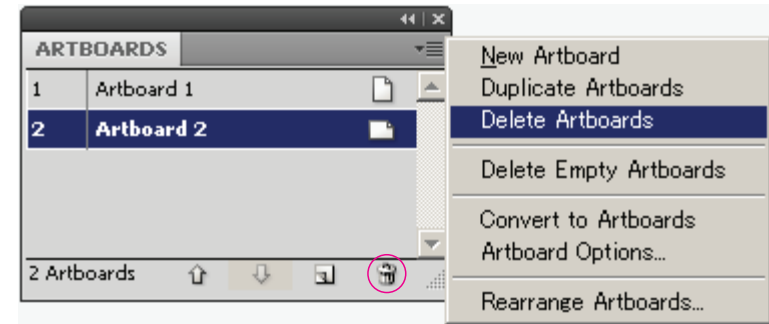


必要に応じて、アウトライン表示 (Ctrl+Y) または拡大して確認する。

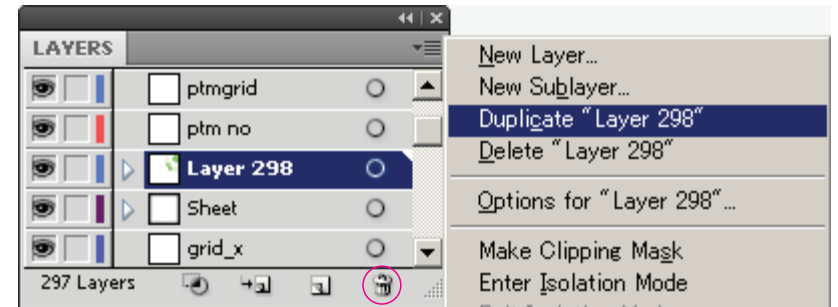
7 Display with Outline view (Ctrl+Y) or zoom in, if it need.



8 After adjoining working , the “new layer for map adjoining “ should be deleted.



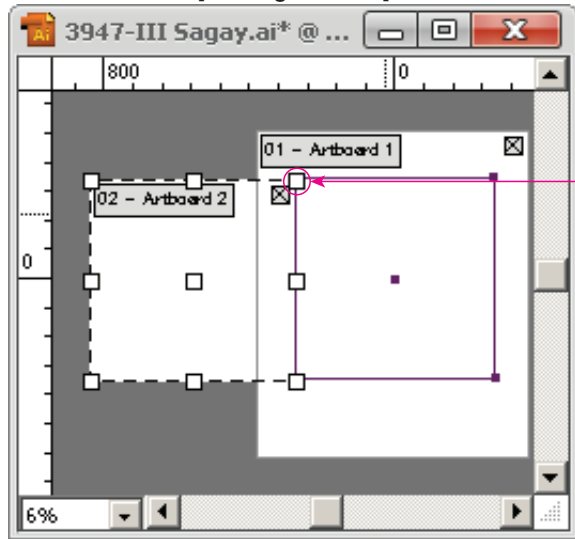
Select Artboards panel menu > ▼ > Delete Artboards.
Or click Delete Artboard



Select Layers panel menu > ▼ > Delete “Layer ***”.
Or click Delete Selection.

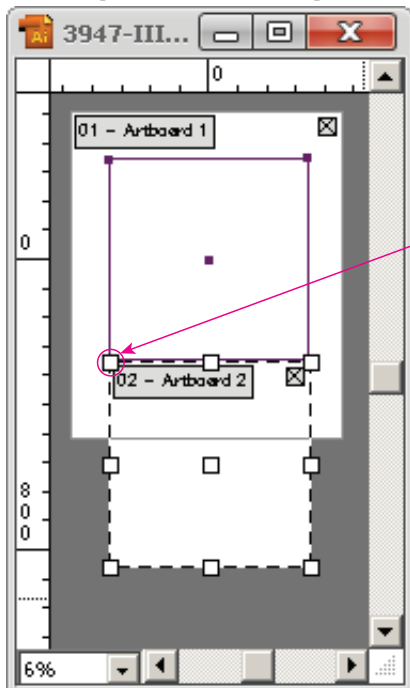
9 Similarly, check map adjoining of 4 side; the right , the left, the top, and the bottom map file .

[The right sheet]



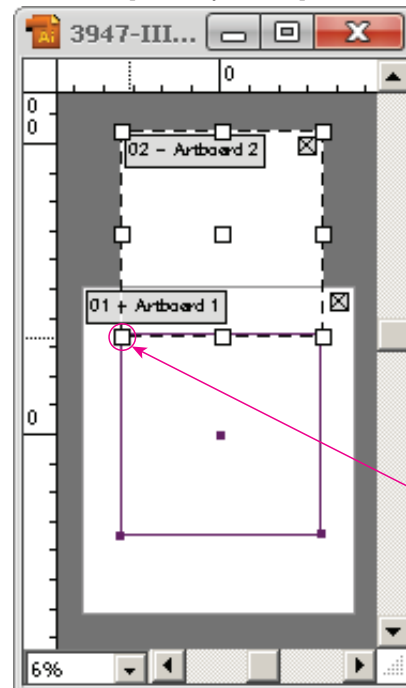
New Artboard snap-to the top left of the sheet.

[The bottom sheet]



New Artboard snap-to the bottom left of the sheet.

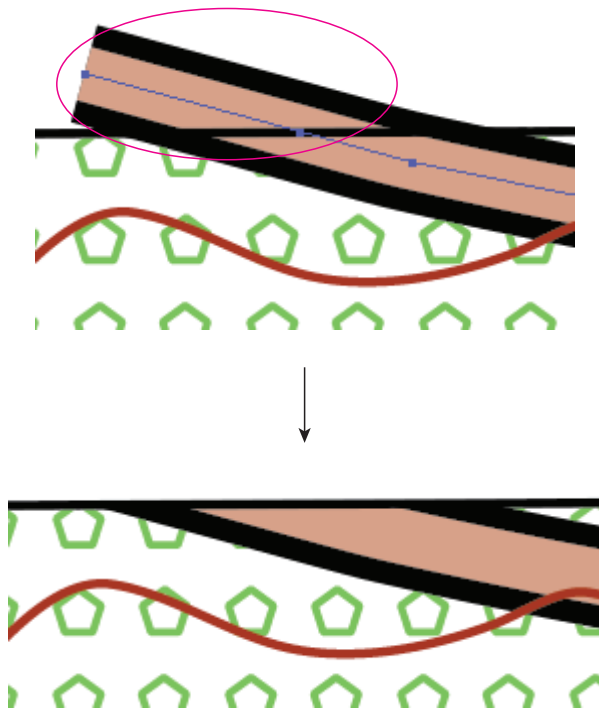
[The top sheet]



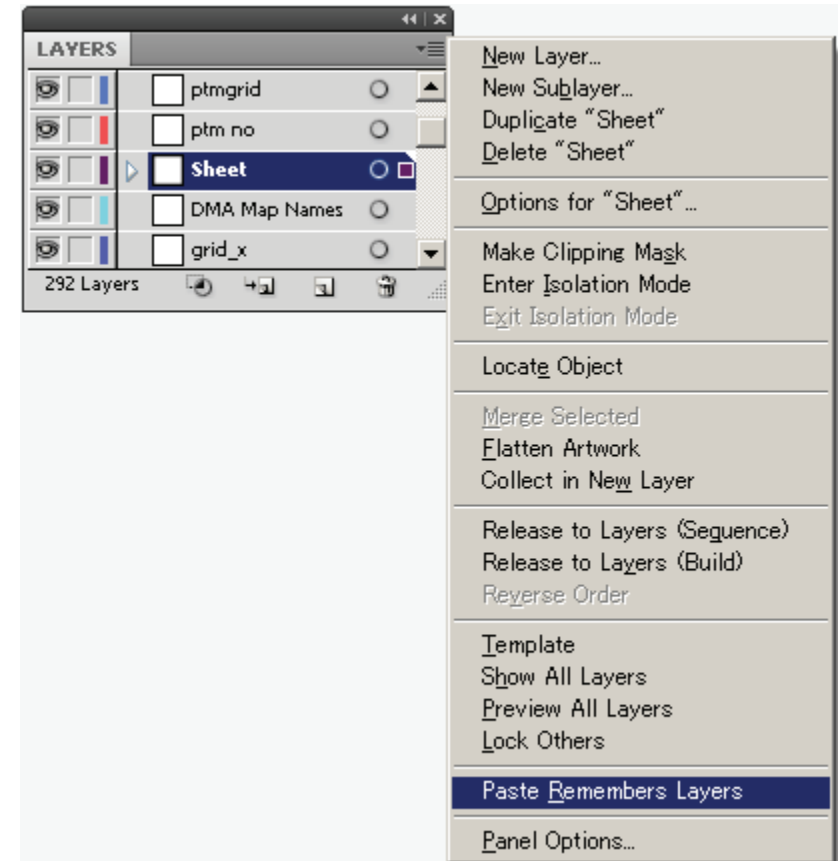
New Artboard snap-to the top left of the sheet.

7. Create mask object

The outside of neat line should be hidden with a mask object.
it is called "sheet MASK" or "Hold out mask for neat line" etc.

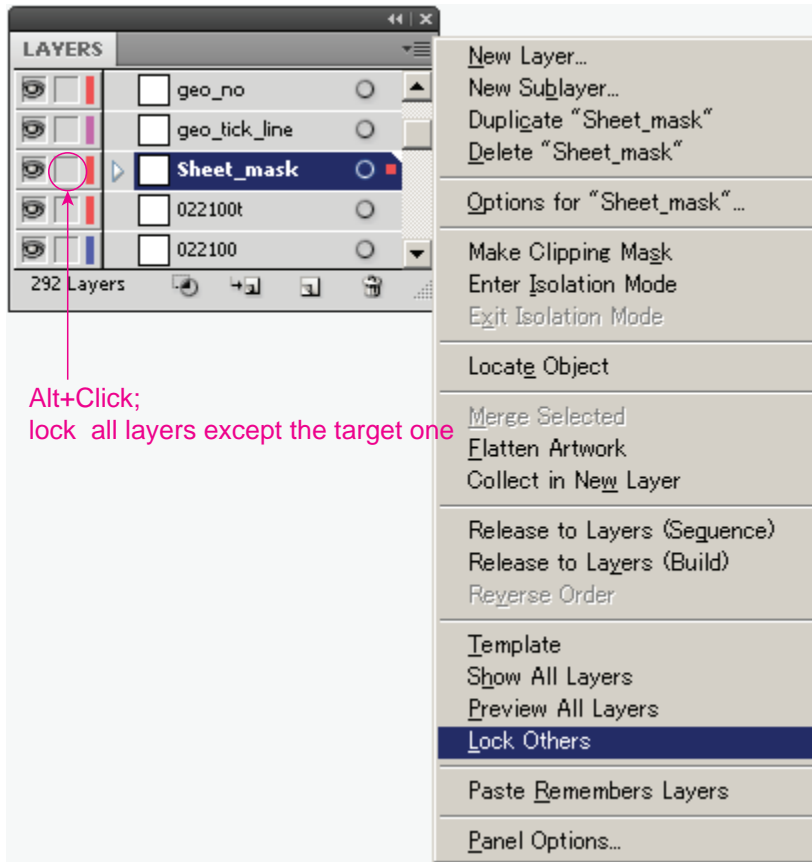


- 1 Copy the neat line (Ctrl+C).
Uncheck "Paste Remembers Layers" in the "Layers panel" menu.

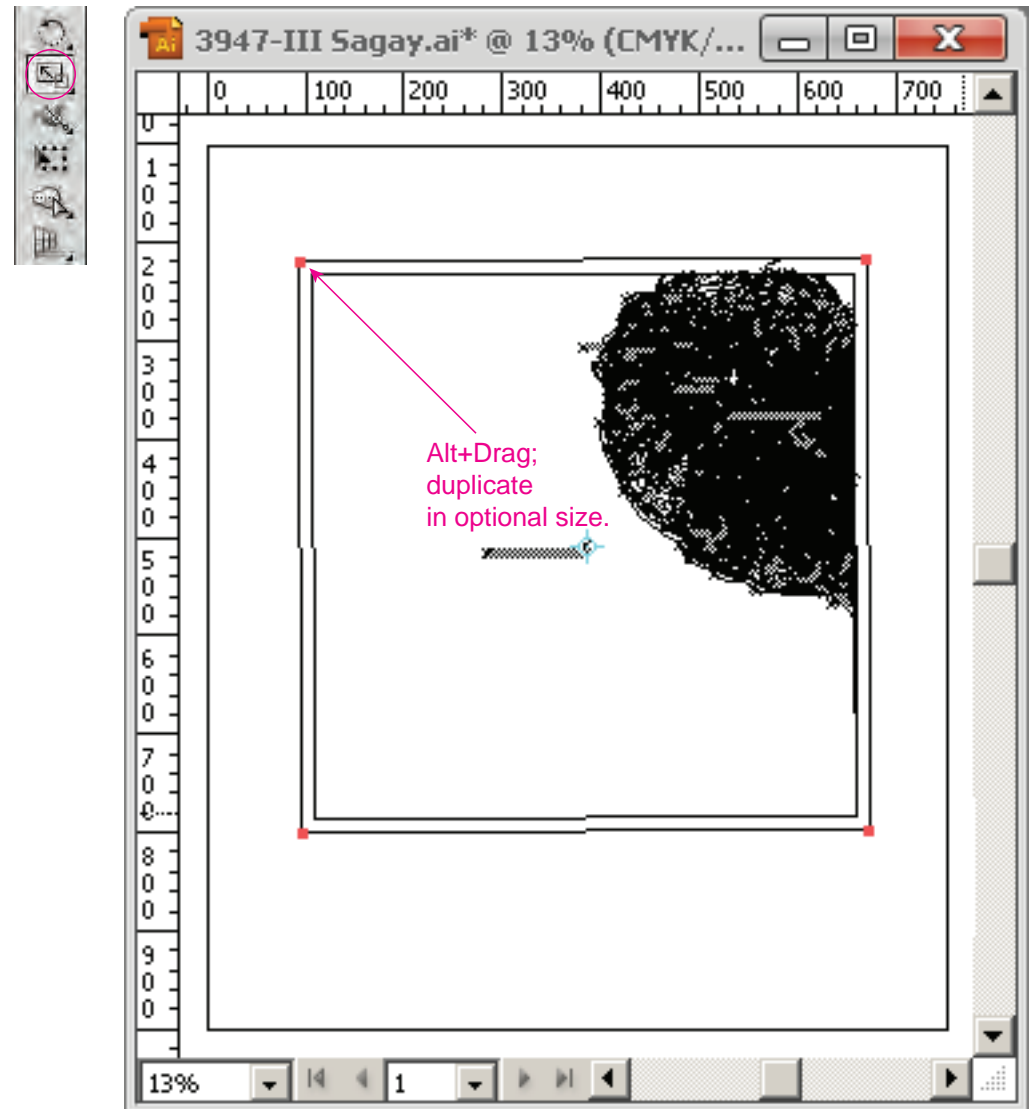


2 Lock all layers except the sheet mask layer.
Select the target layer, and Choose Layers panel > ▼ > Lock Others.
Or Alt+Click.

Paste in Front (Ctrl+F).



3 Scale and duplicate objects with the Scale tool .

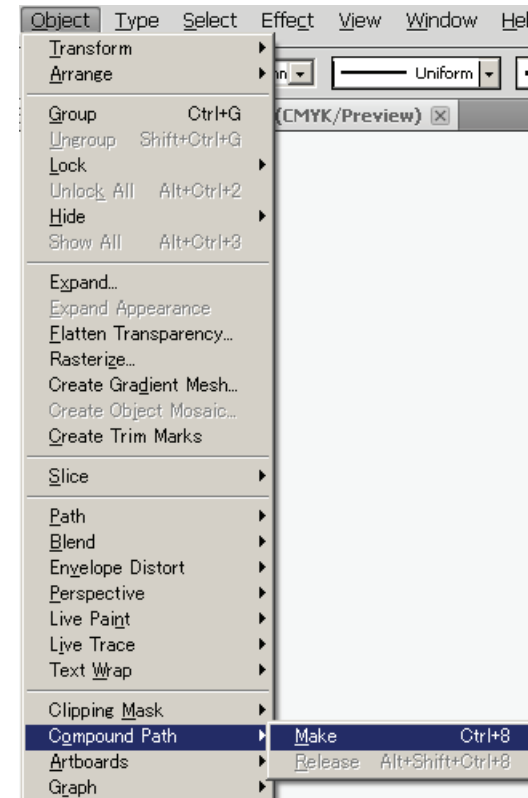


4 Create compound path, and Fill color is set CMYK=0 in the Color panel.



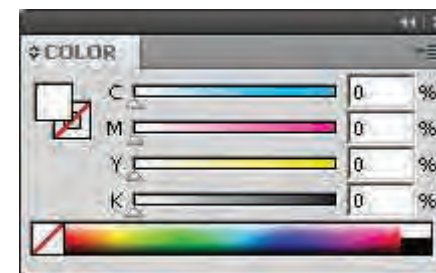
Create compound path

Select the objects and choose Object > Compound Path > Make.



Color panel

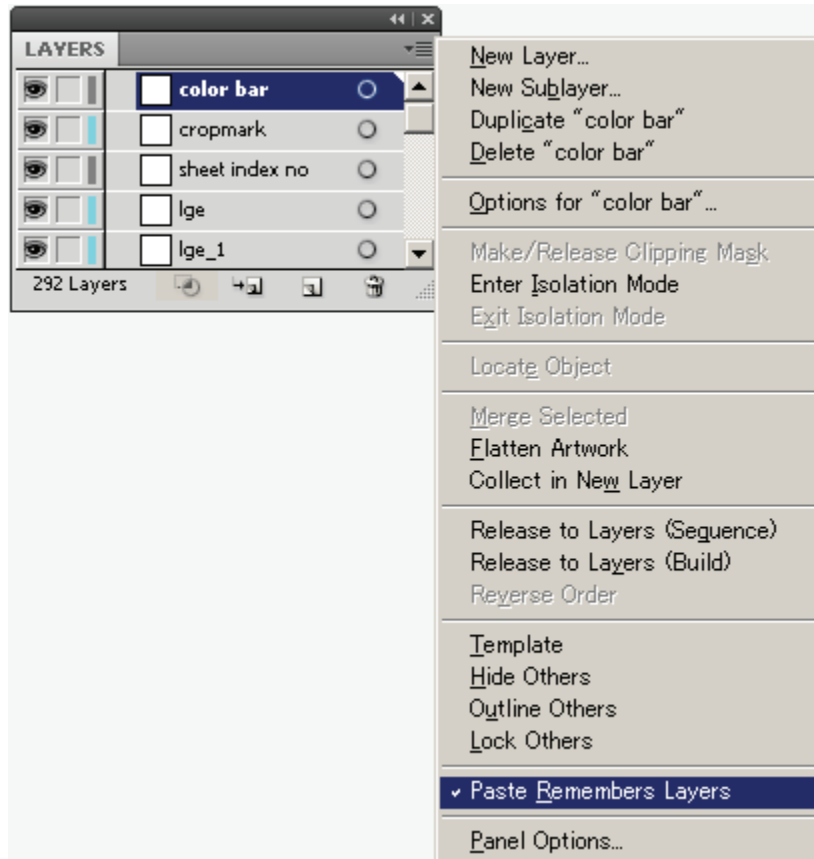
Fill : CMYK=0, Stroke : None



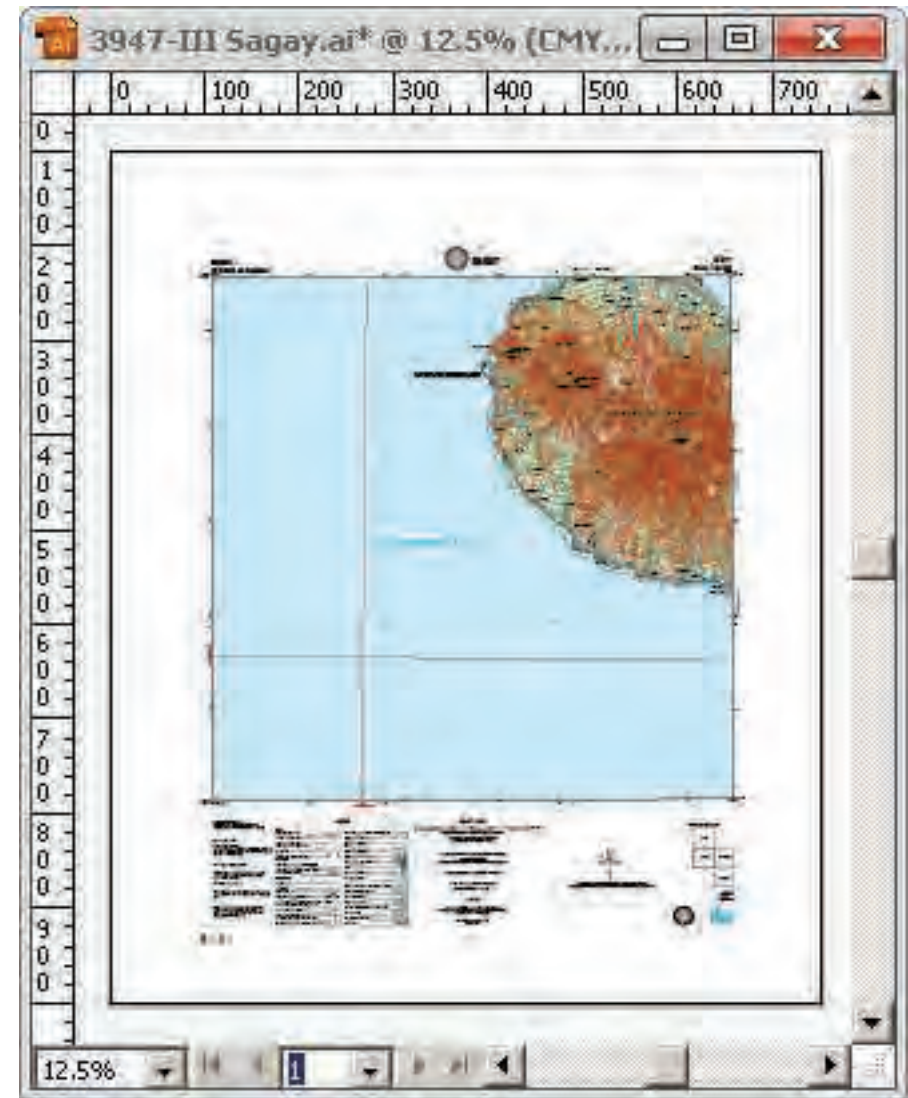
8. Legend and Marginal information

1 Open "the legend and marginal information file" (Ctrl+O)
Select and Copy (Ctrl+C) it.

2 in current working file, Choose "Paste Remembers Layers " in Layer panel



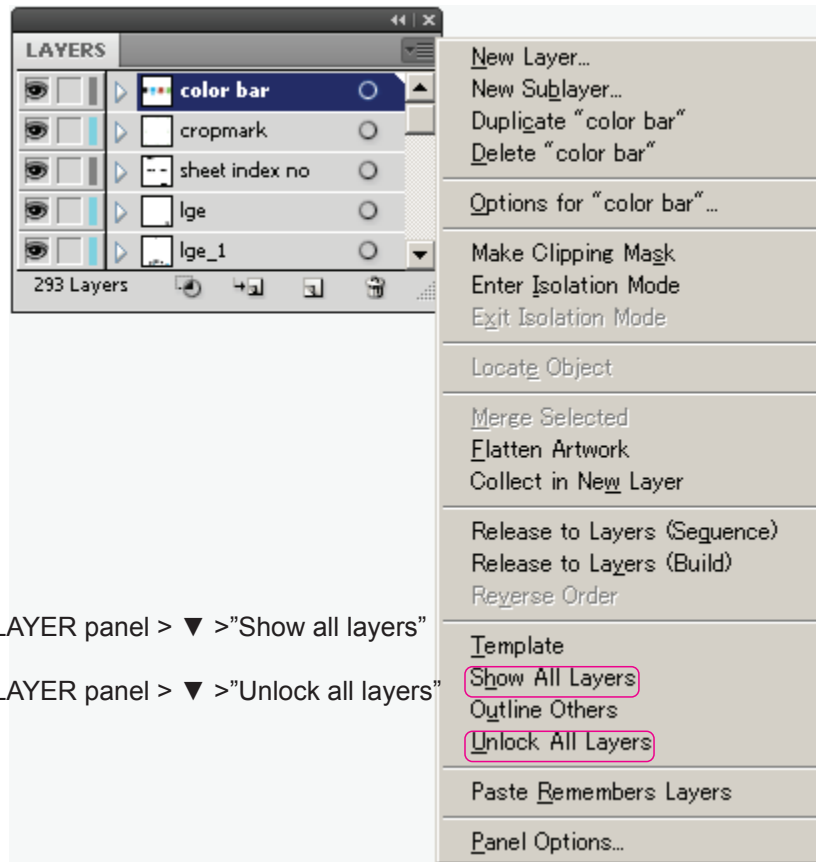
3 Paste in Front (Ctrl+F).



9. The check before Reproduction film making

(1) Show All Layers and Unlock All Layers

Choose from the Layers panel menu.

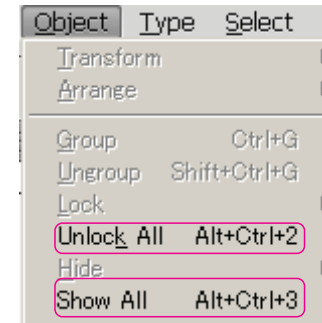


LAYER panel > ▼ >"Show all layers"

LAYER panel > ▼ >"Unlock all layers"

(2) Unlock All, and Show All of the objects

Select all the objects (Ctrl+A) and choose from Object pull down menu.

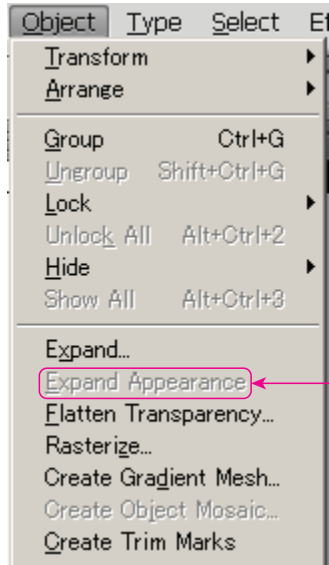


LAYER panel > ▼ >"Unlock all layers"

LAYER panel > ▼ >"Show all layers"

(3) Expand Appearance

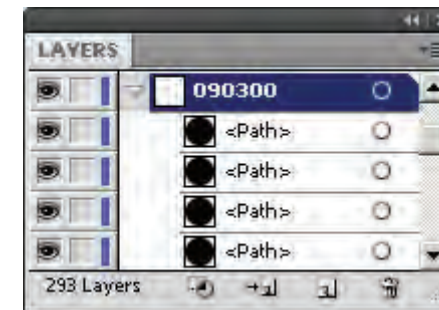
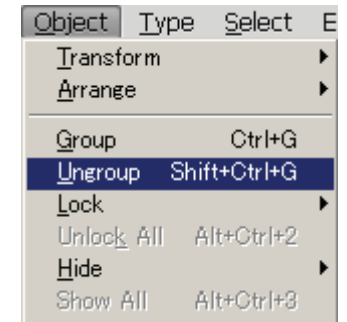
The brush objects which is point data, and the objects which used the "Effect" function should be done "Expand Appearance".
Select all the objects (Ctrl+A) and choose Object > Expand Appearance.



It is unnecessary if the "Expand Appearance" turn off.

(4) Ungroup

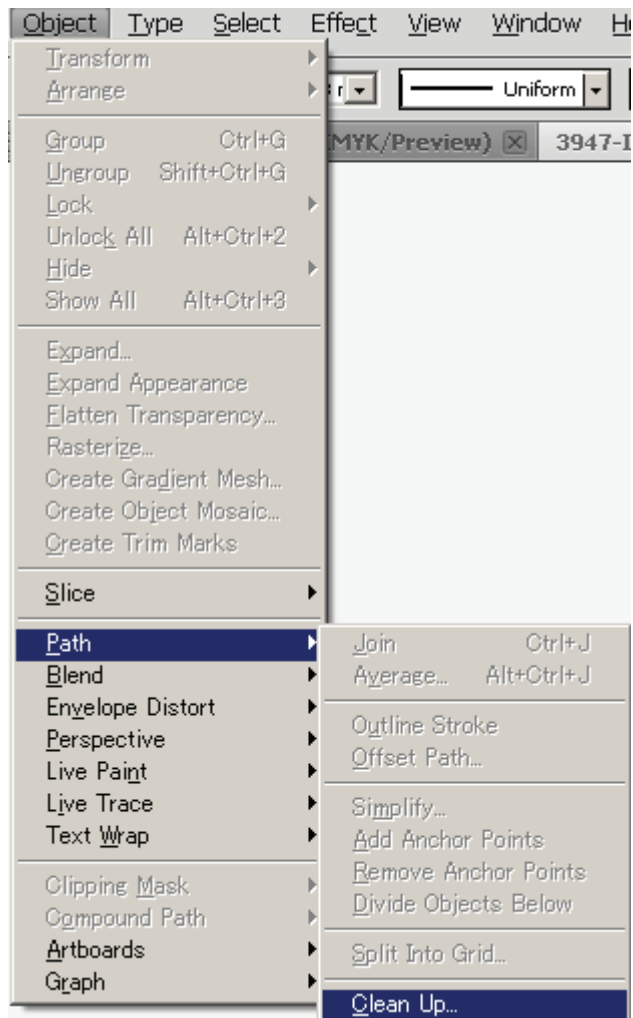
The group which nested unnecessarily should be released.
Select the objects and Choose Object > Ungroup.



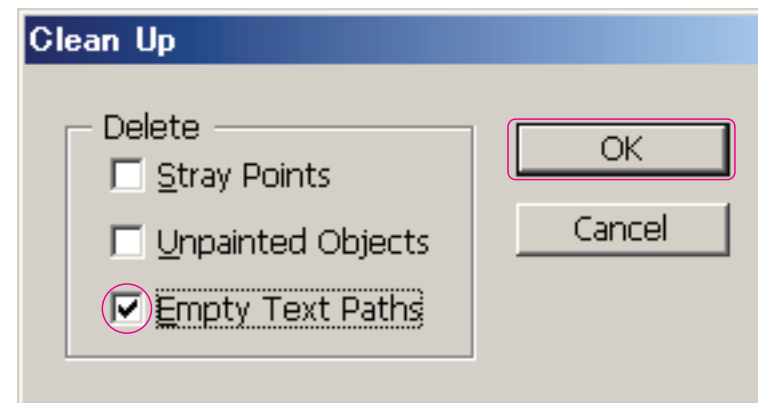
(4) Delete empty text paths



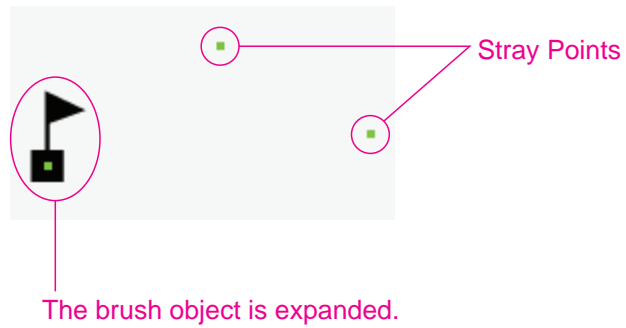
① Choose Object > Path > Clean Up.



② Select Empty Text Paths, and click OK.



(5) Delete stray points

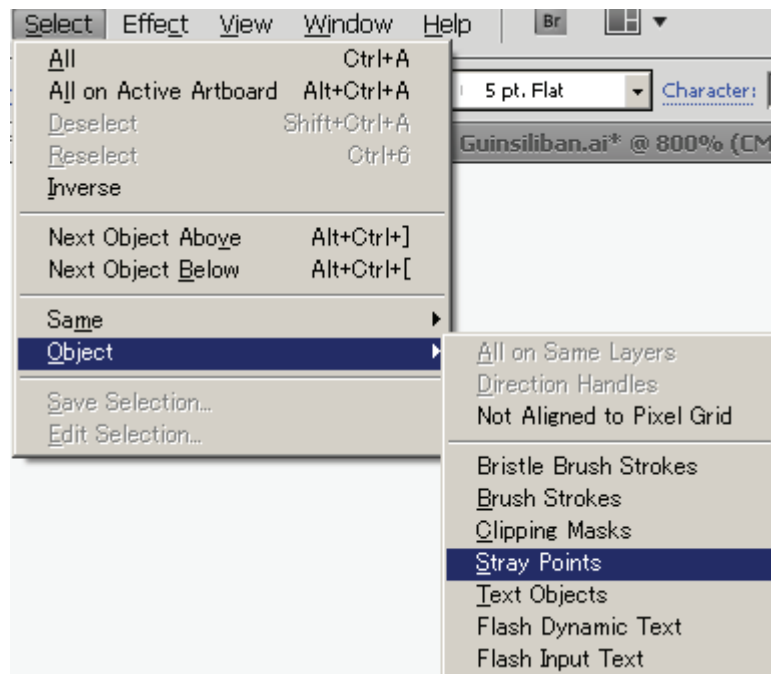


2 Delete stray anchor points.

- * The brush objects which is point data are expanded before run the Stray Points.
- * It may be also select isolated points other than the stray points, before deleting, it often checks.

1 Find stray anchor points.

Choose Select > Object > Stray Points.



(6) Check of all texts in the document

1 Check whether you used the fonts that are not specified in the document.

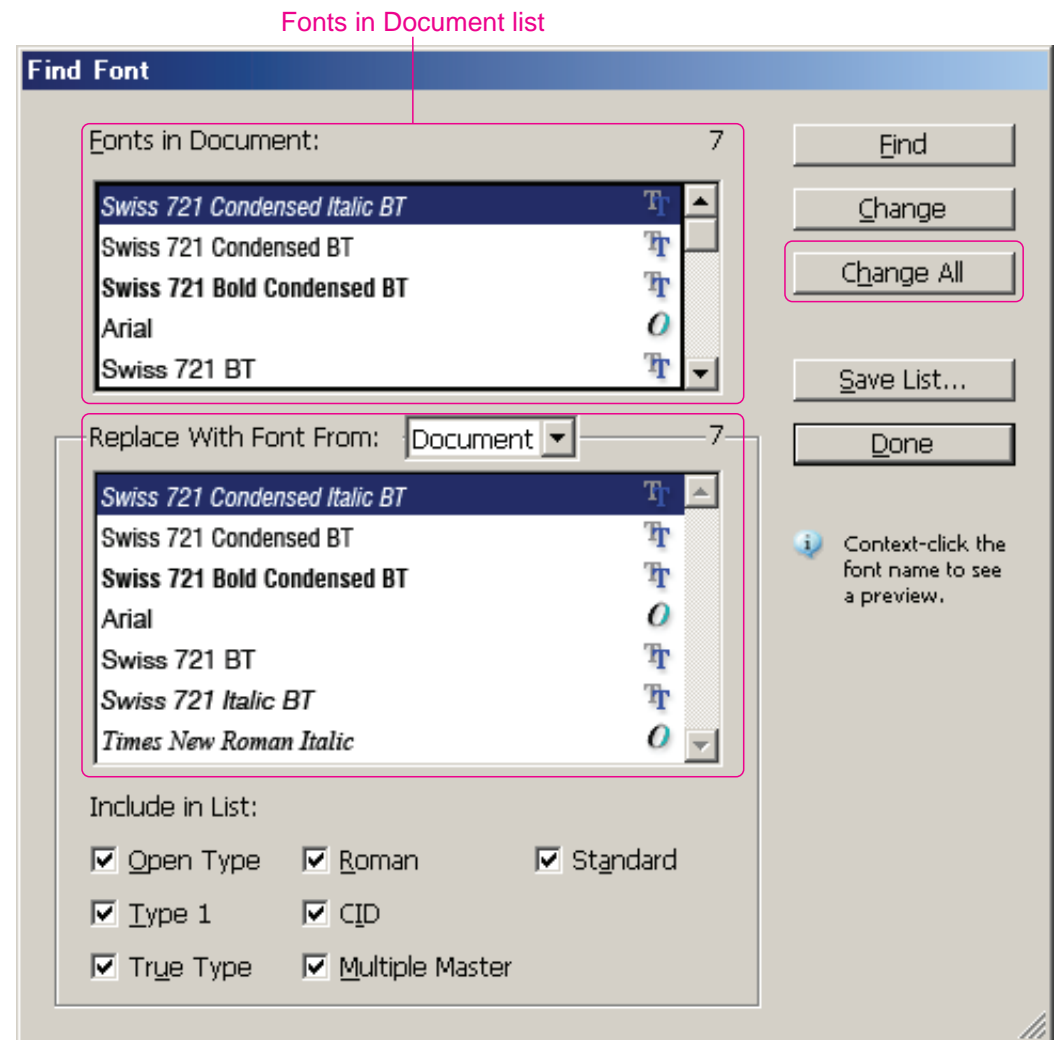
Choose Type > Find Font.



2 Select the name of a font that is not specified from the Fonts in Document pop-up menu.

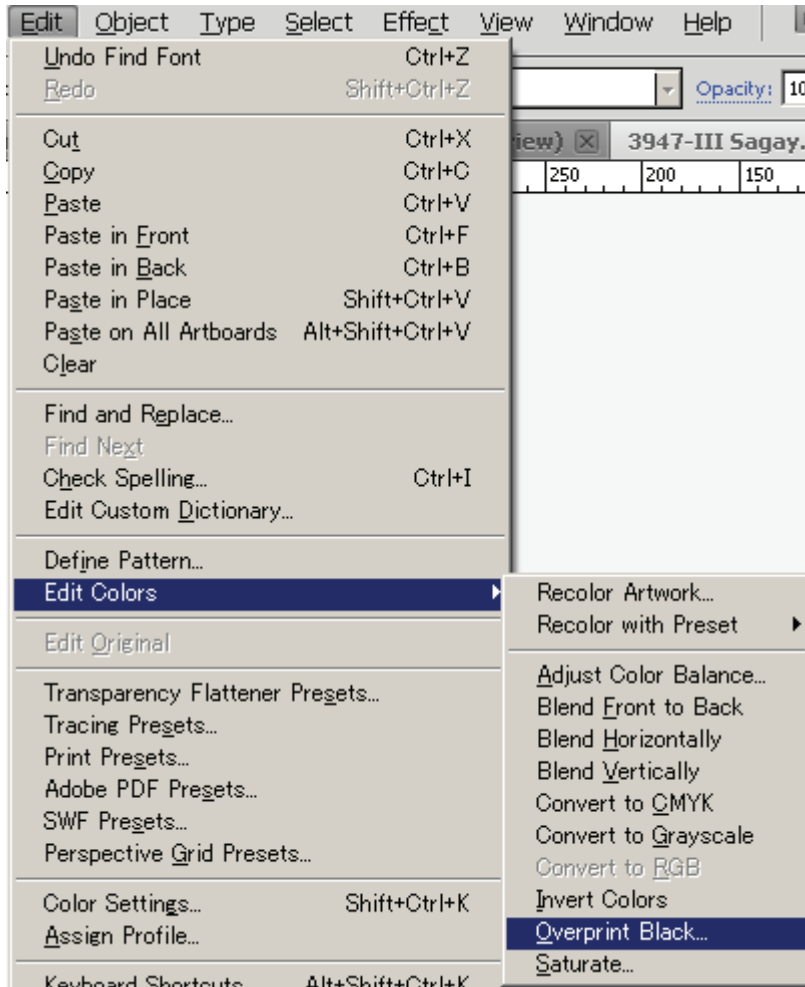
Select a replacement font from the following list of the Replace With Font From pop-up menu : Document as which list only the fonts that are used in the document or System as which list all fonts on your computer.

Click Change All. Click Done to close the dialogue box.

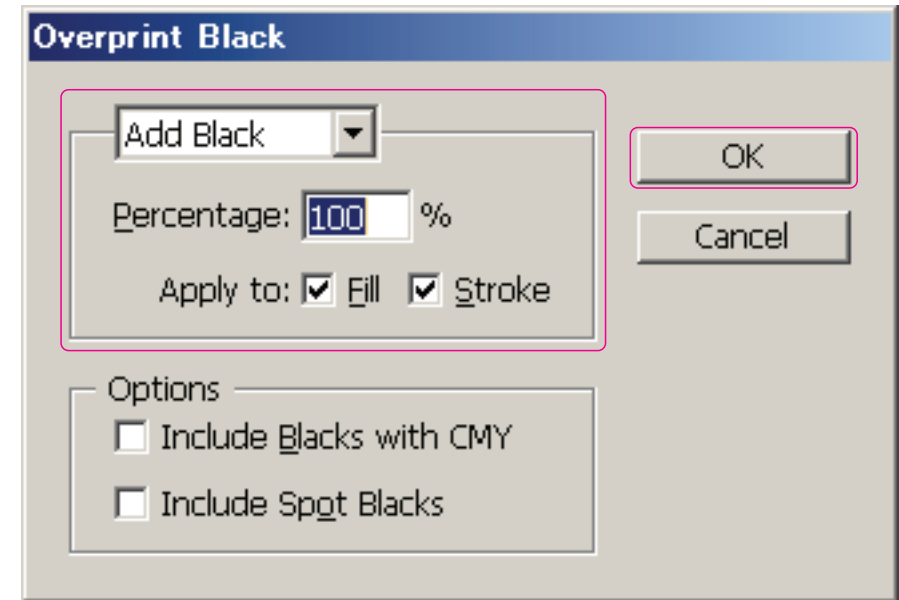


(7) Set up overprinting

- 1 To be overprint all black objects in your artwork, select the Overprint Black.
Select all the objects (Ctrl+A) and choose Edit > Edit Colors > Overprint Black.

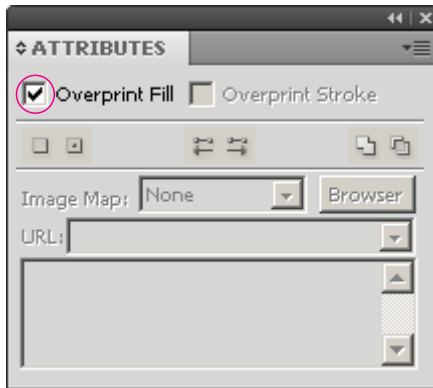


- 2 Choose "Add Black" from pop-up menu.
Enter "100" in the Percentage text box.
Select Fill and Stroke to specify how to apply the overprinting.
Click OK.

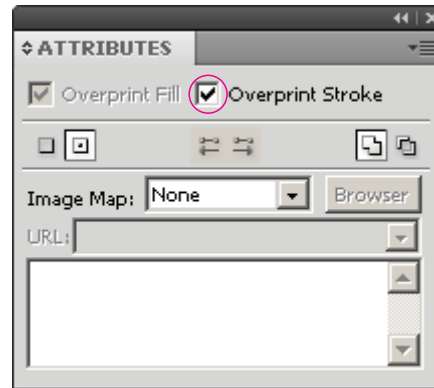


3 100% of spot colors should be applied overprint in the Attribute panel. it shall be according to the symbol specification.

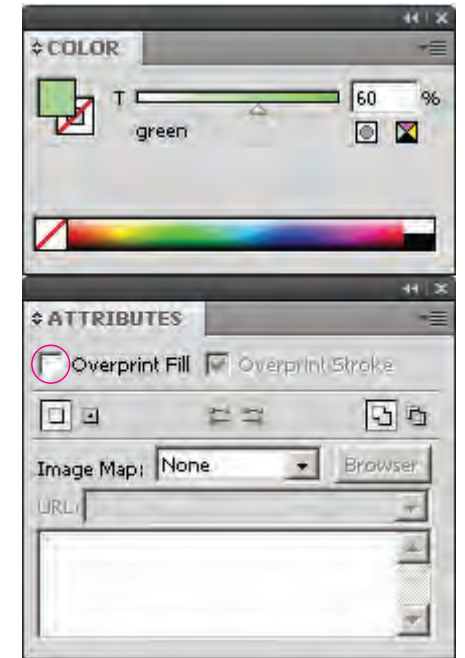
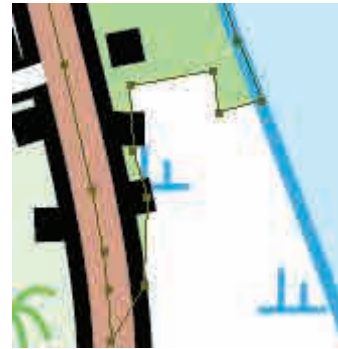
[case at Fill]



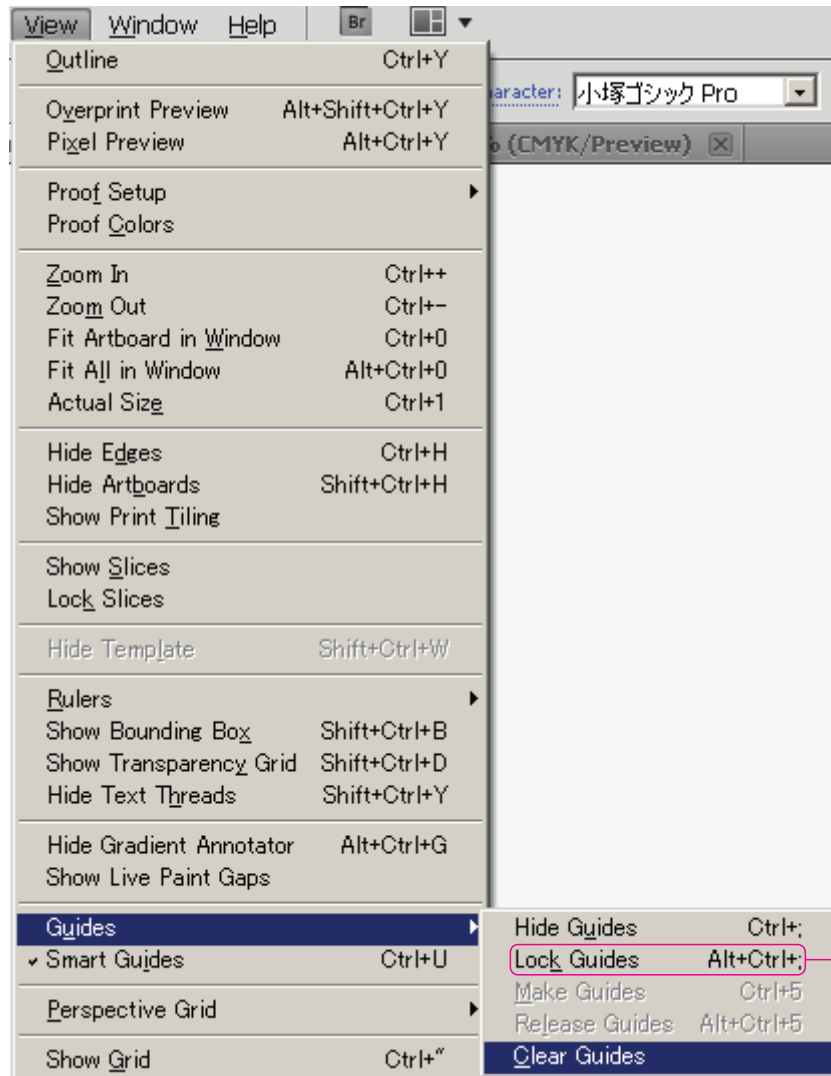
[case at Stroke]



3 -1 The objects of White (CMYK 0%) and the fill color less than 100% do not apply the overprint. Uncheck the Overprint Fill and strok.








- (8) Delete Guides
Choose View > Guides > Clear Guides.











If guides are locked, uncheck them.
Then select the Clear Guides, all guides will be deleted at once.

How to make line symbol

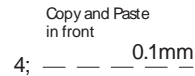
Roads; as for the double line roads should be required two or three layer which are Black line parts, White or Orange or Yellow line parts, and Separation lines parts on the High way.

- No. 7005 
- 1;  1; Make the black line, select the target line then change color which is Non Fill, Turn Stroke of K100 in the color dialog box and enter the Stroke Weight 1.4mm which line Cap is Butt Cap: Join is Miter Join. And Then change the Attributes Over print stroke.
- Copy and Paste in front
- 2;  2; Copy the current object, select Edit from menu bar select Copy or Ctrl+C. and Paste in Front or Ctrl+F. Then you can move current selected object layer, 7005, to 7005_f layer. And then you put check mark off the Over print stroke.
- 3;  1.0mm 3; You can change color which is Non Fill, Turn Stroke, Orange which is entries in the Swatch dialog box. and enter the Stroke Weight 1.0mm which line Cap and Join are remembered same the black line. Copy and Paste in Front the current object then move the layer to 7005_c layer
- Copy and Paste in front
- 4;  0.1mm 4; Then enter the Stroke Weight 0.1mm.
- Note: this symbols layer order is, 1st. is 7005_c, 2nd is 7005_f, 3rd is 7005.*

- No. 7009 
- 1;  1; Make the black line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box. and enter the Stroke Weight 0.6mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.
- 2;  2; Copy and Paste in Front the current object. Then you can move current selected object layer of 7009 to 7009_f layer. And then you put check mark off the Over print stroke.
- 3;  3; You can change color which is Non Fill, Turn Stroke, Orange which is entries in the Swatch dialog box. and enter the Stroke Weight 0.4mm which line Cap and Join are remembered same the black line.
- Note: this symbols layer order is, 1st. is 7009_f, 2nd is 7009.*

- No. 7011 
- 1;  0.6mm 1; Make the black line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box. and enter the Stroke Weight 0.6mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.
- Copy and Paste in front
- 2;  2; Copy and Paste in Front the current object. Then you can move current selected object layer of 7011 to 7011_f layer. The color white is not need to operate Over print.
- 3;  0.4mm 3; You can change color which is Non Fill, Turn Stroke, White in the color dialog box enter the Stroke Weight 0.4mm which line Cap and Join are to be same the black line.
- Note: this symbols layer order is, 1st. is 7011_f, 2nd is 7011.*
color white can not see on preview screen. Changing the Art Work view , you can define the object.

No. 7006



1; Make the black line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 1.4mm which line Cap is Butt Cap: Join is Miter Join, and then you put check mark on the Dashed Line which is dash 3.0mm gap 1.5mm. Then change the Attributes Over print stroke.

2; Copy and Paste in Front the current object. Then you can move current selected object layer of 7006 to 7006_f layer. And then you put check mark off the Over print stroke. Dimension of dashed Line are carried out from original object which is this time the black line.

3; You can change color which is Non Fill, Turn Stroke, Orange which is entries in the Swatch dialog box. and enter the Stroke Weight 1.0mm. Copy and Paste in Front the current object then move the layer to 7006_c layer

4; Then enter the Stroke Weight 0.1mm.
Note: this symbols layer order is same as symbol 7005.

No. 7008

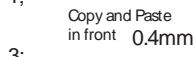


1; Make the black line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.6mm which line Cap is Butt Cap: Join is Miter Join, and then you put check mark on the Dashed Line which is dash 3.0mm gap 1.5mm. Then change the Attributes Over print stroke.

2; Copy and Paste in Front the current object. Then you can move current selected object layer of 7008 to 7008_f layer. And then you put check mark off the Over print stroke. Dimension of dashed Line are carried out from original object which is this time the black line.

3; You can change color which is Non Fill, Turn Stroke, Orange which is entries in the Swatch dialog box. and enter the Stroke Weight 0.4mm.
Note: this symbols layer order is same as symbol 7009.

No. 7010




1; Make the black line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.6mm which line Cap is Butt Cap: Join is Miter Join, and then you put check mark on the Dashed Line which is dash 3.0mm gap 1.5mm. Then change the Attributes Over print stroke.


2; Copy and Paste in Front the current object. Then you can move current selected object layer of 7010 to 7010_f layer. And then you put check mark off the Over print stroke. Dimension of dashed Line are carried out from original object which is this time the black line.

3; You can change color which is Non Fill, Turn Stroke, White in the color dialog box enter the Stroke Weight 0.4mm
Note: this symbols layer order is same as symbol 7011.

-:You can make the other double line roads which No. are 7003, 7004, by using as these method. Symbols of No. 7013, 7014, 7015, roads are omitted for wanted space. Because they shown by just single line which are continued or dashed.

Canals; as for the double line canals two layers should be required as follows: Blue solid line parts layer and 30%- blue color line parts layer.

No. 3019  1; Make the blue line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight 0.5mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.


1;  Copy and Paste in front


2; Copy and Paste in Front the current object. Then you can move current selected object layer of 3019 to 9016_f layer. And then you put check mark off the Over print stroke.

3;  0.3mm

3; You can change color which is Non Fill, Turn Stroke, C30% in the color dialog box. and enter the Stroke Weight 0.3mm.
Note: this symbols layer order is, 1st. is 3019 to 3019_f , 2nd is 3019.

*-:You can make the other double line Canal which No. are 3020, by using as this method.
Symbols of No. 3018 was omitted for wanted space. Because No. 3018 is shown by just single line which are continued.*


No. 3026  1; For example, make the blue line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight 0.5mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.

1;  Copy and Paste in front

2; Copy and Paste in Front the current object. Then you can move current selected object layer of 3026 to 3026_w layer.

3;  0.3mm

3; You can change color which is Non Fill, Turn Stroke, white in the color dialog box. and enter the Stroke Weight 0.3mm.

3;  Copy and Paste in front

4; Copy and Paste in Front the current object. Then you can move current selected object layer of 3026_w layer to 3026_f layer.

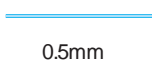
4;  0.3mm


5; You can change color which is Non Fill, Turn Stroke, C30% in the color dialog box. Then you put check mark on the Dashed Line which is dash 3.0mm gap 1.5mm in Color dialog box. Then change the Attributes Over print off the stroke.

Note: this symbols layer order is, 1st. is 3026_f, 2nd is 3026_w, 3rd is 3026.

-:Symbols of No. 3025, is shown by just single line which are dashed.

Canals; as for the double line canals two layers should be required as follows: Blue solid line parts layer and 30%- blue color line parts layer.

No. 3019  1; Make the blue line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight 0.5mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.

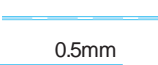
1;  Copy and Paste in front


2; Copy and Paste in Front the current object. Then you can move current selected object layer of 3019 to 9016_f layer. And then you put check mark off the Over print stroke.

3;  0.3mm


3; You can change color which is Non Fill, Turn Stroke, C30% in the color dialog box. and enter the Stroke Weight 0.3mm.
Note: this symbols layer order is, 1st. is 3019 to 3019_f , 2nd is 3019.

*-:You can make the other double line Canal which No. are 3020, by using as this method.
Symbols of No. 3018 was omitted for wanted space. Because No. 3018 is shown by just single line which are continued.*


No. 3026  1; For example, make the blue line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight 0.5mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.

1;  Copy and Paste in front

2; Copy and Paste in Front the current object. Then you can move current selected object layer of 3026 to 3026_w layer.

3;  0.3mm

3; You can change color which is Non Fill, Turn Stroke, white in the color dialog box. and enter the Stroke Weight 0.3mm.

3;  Copy and Paste in front

4; Copy and Paste in Front the current object. Then you can move current selected object layer of 3026_w layer to 3026_f layer.

4;  0.3mm

5; You can change color which is Non Fill, Turn Stroke, C30% in the color dialog box. Then you put check mark on the Dashed Line which is dash 3.0mm gap 1.5mm in Color dialog box. Then change the Attributes Over print off the stroke.

Note: this symbols layer order is, 1st. is 3026_f, 2nd is 3026_w, 3rd is 3026.

-:Symbols of No. 3025, is shown by just single line which are dashed.

Canal; as for special case of combination of dashed and continued line.

No. 3027



1; Make the blue line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight 0.2mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.



2; Select target object. Select Object from menu bar, then chose Path, Then chose Offset path in sub pull down menu. You can enter 0.25mm in the Offset dialog box then Click OK.



3; You can see the object which was made path like a enclosing the original object. After offset, you should cut the path its starting point and end point of useless upper side by using Scissors Tool from Tool bar. Then delete the catted object.



4; You can see double lines which are original and offsetted line.



5; Select offsetted line, then change the Stroke weight is 0.5mm, dash is 0.2, gap is 5.0mm.



-:You can apply to this method the other these type line objects which symbol No. are 2034, 6108, 6109, 6110, 6112,8039, 6005,2031.

No. 3023

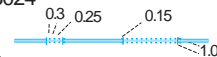


1; Make the blue line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight 0.25mm which line Cap is Round Cap: Join is Miter Join. Then change the Attributes Over print stroke.

2; Then dash is 0mm, gap is 0.6mm. Tics of starting and ending are copied from New_Symbols.ai or Spec file.

-:You can apply to this method the other these type line objects which symbol No. are 5095, 2026, 4001, 2019, parts of 2020, parts of 2030.

No. 3024



1; Make the blue line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight same as the canal width, for example, in case of the canal width is 0.5mm which the target line weight is 0.5mm. Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.



2; Select target object. Select Object from menu bar, then chose Outline path in sub pull down menu. You can see that the object was changed Stroke to Fill object.



3; Then change the object Fill to Stoke its line weight is 0.25mm. Then cut the line of useless parts of start corner point and end corner point.



5; Select line, then change the Stroke which which line Cap is Round Cap: Join is Miter Join its dash is 0mm, gap is 0.6mm.

Tics of starting and ending are copied from New_Symbols.ai or Spec file.

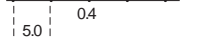


-:You can apply to this method the other these type line objects which symbol No. 6114_river.



Infrastructures; as for special case of combination of dashed and continued line.

No. 8015



1; Make the black thin line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.1mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.

1;

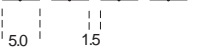
2; Copy and Paste in front the object, then enter the Stroke Weight 0.4mm which line Cap is Round Cap: Join is Miter Join. then enter dash 0mm, gap 5.0mm.

2;

-: You can apply to this method the other these type line objects which symbol No. are 8020, 8030, parts of 8017 except for arrow symbol.

Copy and Paste
in front

No. 8016



1; Make the black thin line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.1mm which line Cap is Butt Cap: Join is Miter Join. and enter dash 5.0mm, gap 1.5mm. Then change the Attributes Over print stroke.

1;

2; Copy and Paste in front the object, then enter the Stroke Weight 0.4mm which line Cap is Round Cap: Join is Miter Join. then enter dash 0mm, gap 6.5mm.

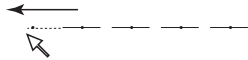
2;

3; You can see as 2; fig. This symbol has two lines which are dashed and dotted.

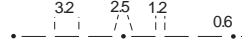
Copy and Paste
in front

Stretch

4; You can select only dotted line of starting point by using the Direct Selection Tool. Then Stretch the dotted line until the dot coming center of dashed .



No. 8021



1; Make the black thin line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.1mm which line Cap is Butt Cap: Join is Miter Join. and enter dash 3.2mm, gap 1.2mm, dash 3.2mm, gap 1.2mm, dash 3.2mm, gap 2.5mm. Then change the Attributes Over print stroke.

1;

2; Copy and Paste in front the object, then enter the Stroke Weight 0.6mm which line Cap is Round Cap: Join is Miter Join. then enter dash 0mm, gap 14.5mm.

2;

3; You can see as 2; fig. This symbol has two lines which are dashed and dotted.

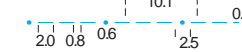
Copy and Paste
in front

Stretch

4; You can select only dotted line of starting point by using the Direct Selection Tool. Then Stretch the dotted line until the dot coming center of dashed .



No. 8031



1; Make the blue thin line, select the target line then change color which is Non Fill, Turn Stroke, C100 in the color dialog box and enter the Stroke Weight 0.1mm which line Cap is Butt Cap: Join is Miter Join. and enter dash 2.0mm, gap 0.8mm, dash 2.0mm, gap 0.8mm, dash 2.0mm, gap 2.5mm. Then change the Attributes Over print stroke.

1;

2; Copy and Paste in front the object, then enter the Stroke Weight 0.6mm which line Cap is Round Cap: Join is Miter Join. then enter dash 0mm, gap 10.1mm.

2;

3; You can see as 2; fig. This symbol has two lines which are dashed and dotted.









Stretch

4; You can select only dotted line of starting point by using the Direct Selection Tool. Then Stretch the dotted line until the dot coming center of dashed .









Boundaries; as for special case of combination of dashed and continued line.

No. 1001

- 1;  1; Make the black fat line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.5mm which line Cap is Butt Cap: Join is Miter Join, then enter dash 2.5mm, gap 2.0mm, Then change the Attributes Over print stroke.
- 2;  2; Copy and Paste in front the object, then enter the Stroke Weight 1.5mm which line Cap is Butt Cap: Join is Miter Join, then enter dash 0.15mm, gap 2.35mm, dash 0.15mm, gap 1.85mm.
- 3;  3; Copy and Paste in front the object, then enter the Stroke Weight 0.5mm which line Cap is Round Cap: Join is Miter Join. then enter dash 0mm, gap 4.5mm.
- 5;  4; You can see as 3; fig. This symbol has two lines which are dashed and dotted.
- 6;  5; You can select only dotted line of starting point by using the Direct Selection Tool. Then Stretch the dotted line until the dot coming center of gap.
- 6;  6; Select the boundary line, then offset the line 1.5mm.
- 7;  7; Cut and delete the useless line.
- 6;  8; Change the color in Orange 50%, then enter the Stroke Weight 3.0mm which line Cap is Round Cap: Join is Miter Join. Then move the layer to 1001_f, Then change the Attributes Over print stroke.

Another method of making the national boundary

- 1;  1; Select the target line, then Click the 1001 in Brush dialog
- 2;  2; You can see the completed national boundary.
- 3;  3; Select the boundary line, then offset the line 1.5mm.
- 4;  4; Cut and delete the useless line.
- 4;  5; Change the color in Orange 50%, then enter the Stroke Weight 3.0mm which line Cap is Round Cap: Join is Miter Join. Then move the layer to 1001_f, Then change the Attributes Over print stroke.
- 5;  5; *-: This method can be applied to the boundaries of not waving shape. If it gets the funny shape, you should retouch this line.*

Boundaries; as for special case of combination of dashed and continued line.

No. 1002

1; Make the black fat line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.4mm which line Cap is Butt Cap: Join is Miter Join. and enter dash 2.0mm, gap 0.8mm, dash 2.0mm. Then change the Attributes Over print stroke.

1; Copy and Paste in front the object, then enter the Stroke Weight 0.4mm which line Cap is Round Cap: Join is Miter Join. then enter dash 0mm, gap 6.8mm.

3; You can see as 2; fig. This symbol has two lines which are dashed and dotted.

4; You can select only dotted line of starting point by using the Direct Selection Tool. Then Stretch the dotted line until the dot coming center of dashed .

No. 1004

1; Make the black thin line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.15mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.

2; Select target object. Select Object from menu bar, then chose Path, Then chose Offset path in sub pull down menu. You can enter 0.25mm in the Offset dialog box then Click OK.

3; You can see as 2; fig. This symbol has three lines which are center of original line and both side line.

4; After offset, you should cut the path its starting point and end point of useless both side by using Scissors Tool from Tool bar. Then delete the cut object.

5; After Cut, select the upper line and lower line then change Stroke which is Stroke Weight 0.5mm, dash 0.15mm, gap 6.0mm.

6; Select starting point of lower line by using Direct Selection Tool, then you can be shortened the dashed line until the dot coming center of gap.

Another method of making the national reservation boundary

- 1; ————— 1; Make the black thin line, select the target line then change color which is Non Fill, Turn Stroke, K100 in the color dialog box and enter the Stroke Weight 0.15mm which line Cap is Butt Cap: Join is Miter Join. Then change the Attributes Over print stroke.
- 2; ————— 2; Copy and Paste in front the object.
- 3; ————— 3; Select the front boundary line, then Click the 1004 in Brush dialog

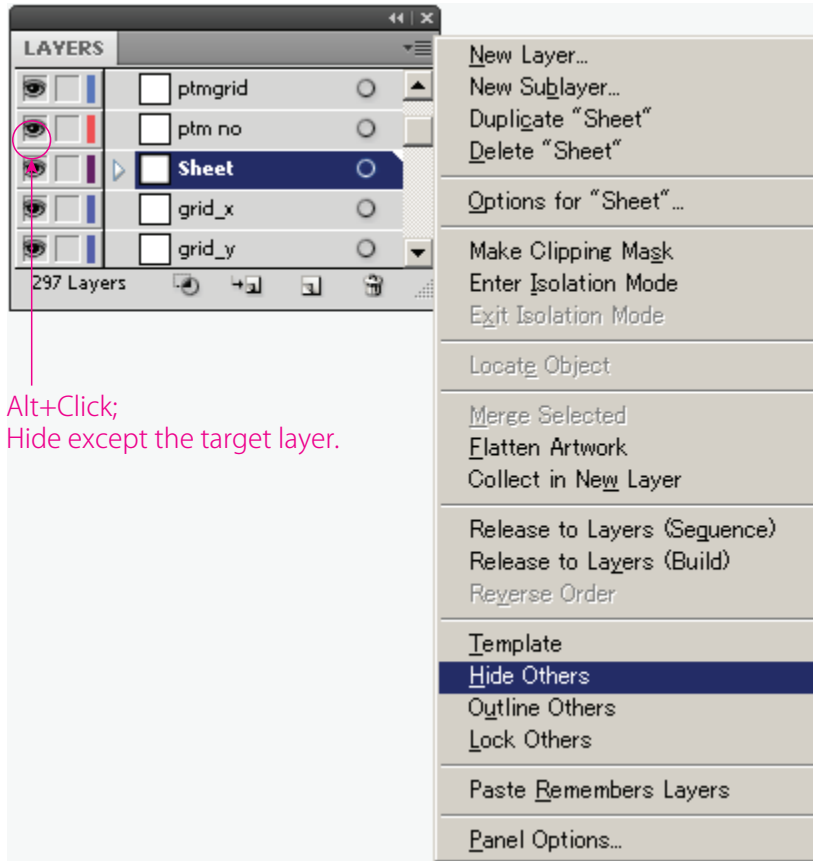
-: This method can be applied to the boundaries of not waving shape.
If it gets the funny shape, you should retouch this line.

6. Adjoin neighbouring sheets

① Display only the neat line layer.

Select the target layer, and Choose Layers panel > ▼ > Hide Others.
Or Alt+Click.

Click View from menu bar > Smart Guides.

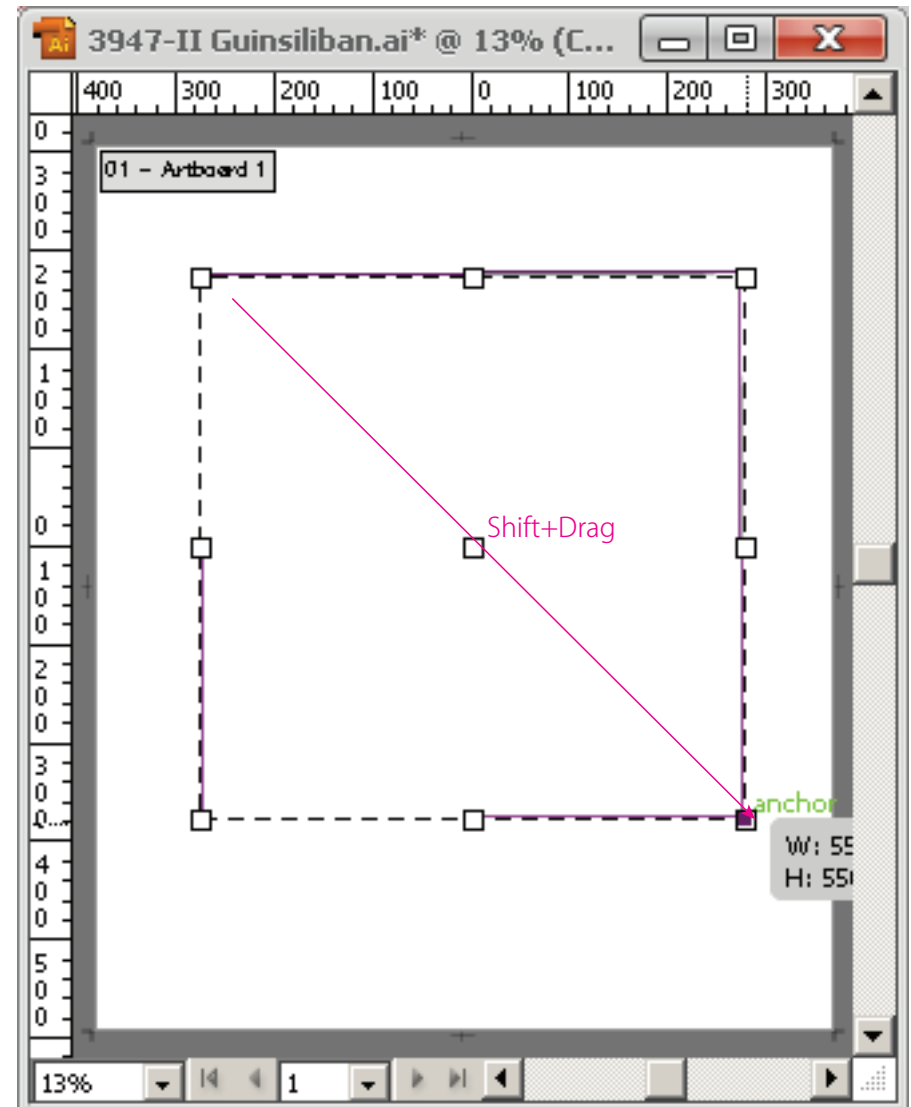


Alt+Click;
Hide except the target layer.

② Create a certain size of new Artboard for map adjoining

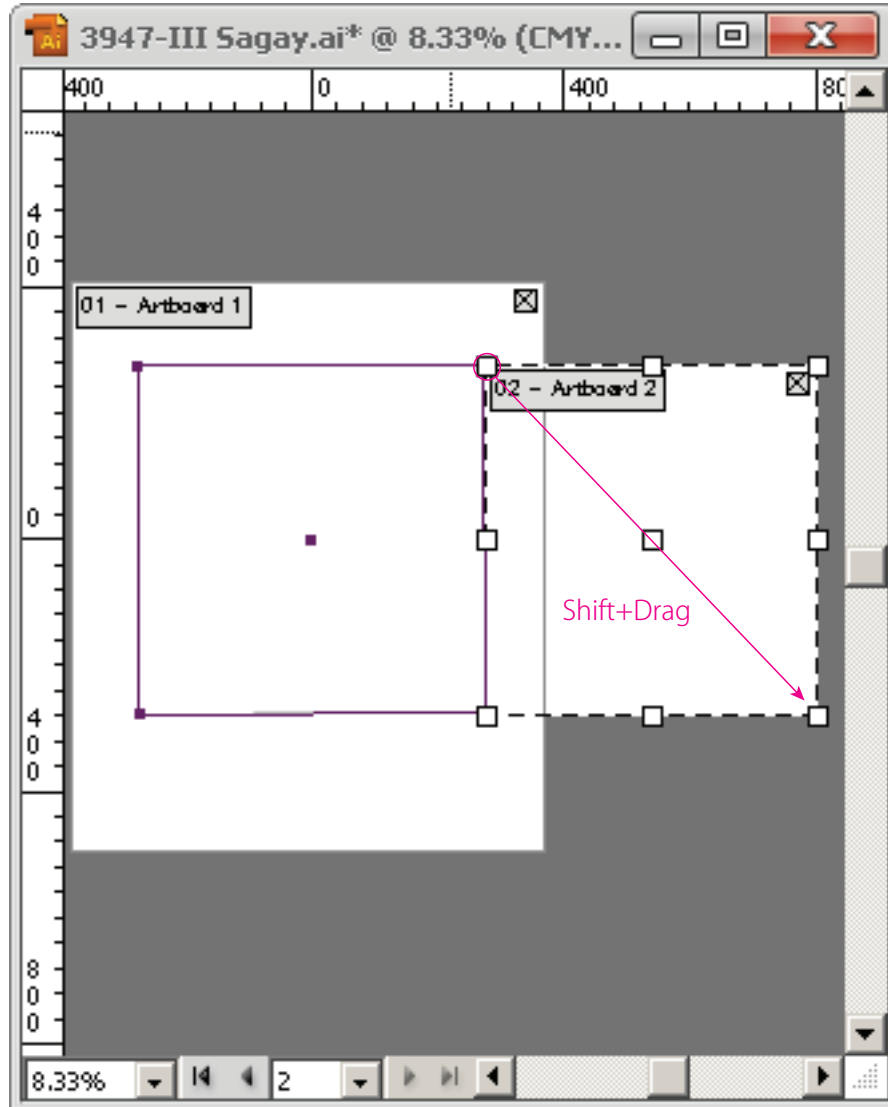
By using "Artboard tool", point cursor near to **the top left of the neat** line then shown "anchor",

hold Shift key and dragging as diagonal to right corner.



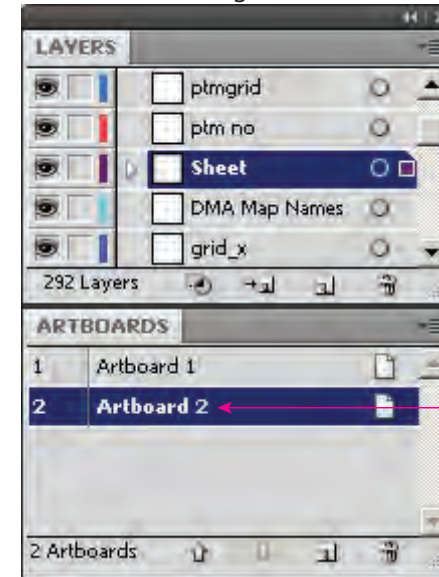
③ The left file Open (Ctrl+O).

Create a certain size of new Artboard for neighbor map pasting. Similarly, by using "Artboard tool", point cursor snap on the top right of the neat line then shown "anchor", hold Shift key and dragging as diagonal to opposite right corner.

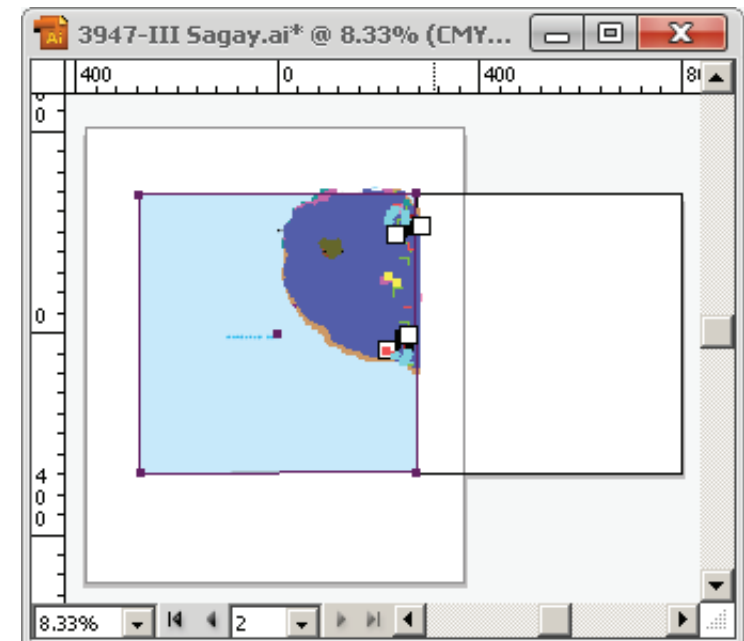


④ Display All layers

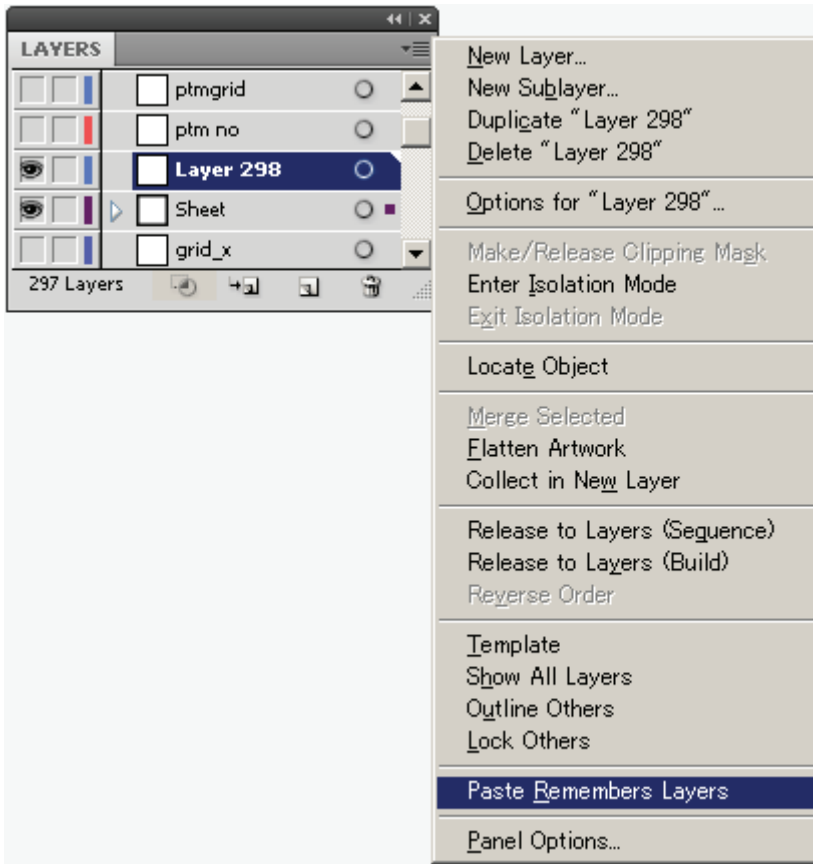
Active Artboard 2, select objects near the neat line and copy (Ctrl+C) in this case using "Direct selection tool"



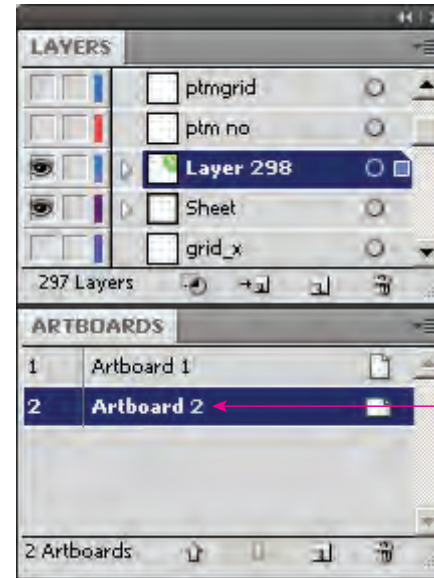
Activate New Artboard for map adjoining



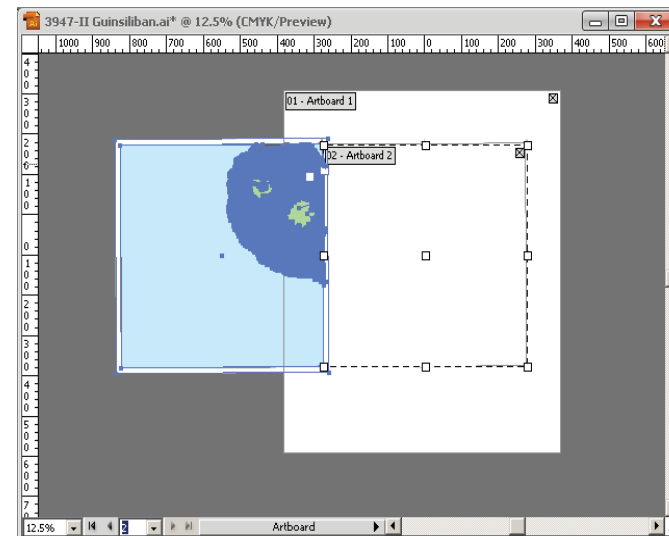
- ⑤ Returns to a current work document, and create the new layer for map adjoining. Uncheck "Paste Remembers Layers" in the Layers panel menu. When left check "Paste Remembers Layers", the objects will be past into same layers. It will be bear to delete the objects at once.



- ⑥ Activate New Artboard for map adjoining "Paste in Front" (Ctrl+F) into the new layer.

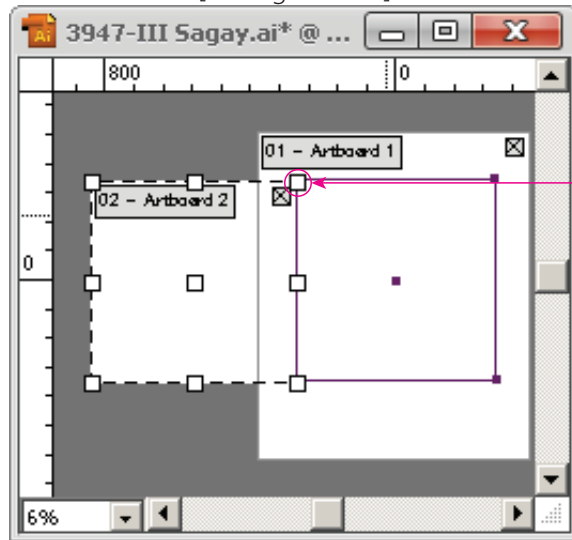


Status of past neighbor map into New Artboard



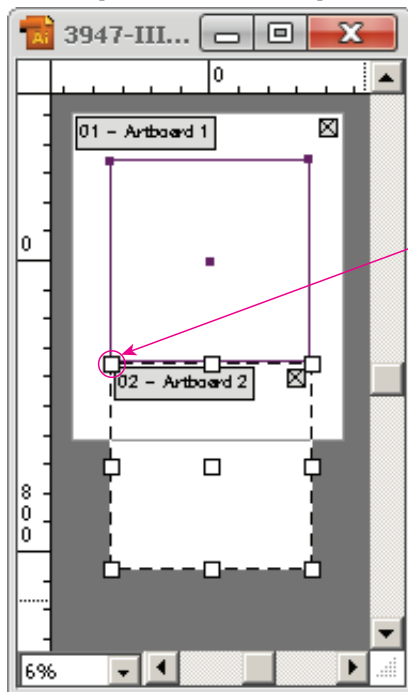
⑨ Similarly, check map adjoining of 4 side; the right , the left, the top, and the bottom map file .

[The right sheet]



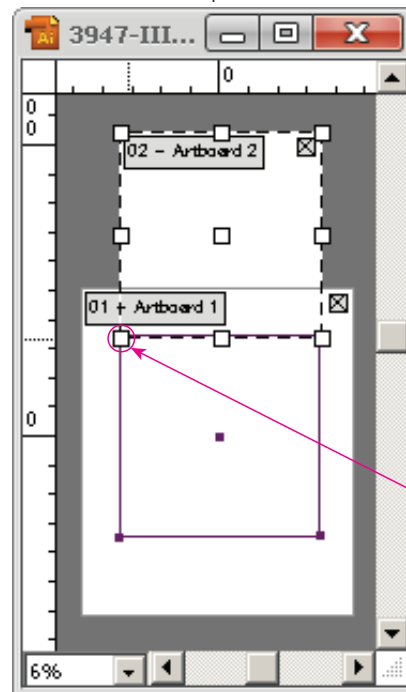
New Artboard snap-to the **top left** of the sheet.

[The bottom sheet]



New Artboard snap-to the **bottom left** of the sheet.

[The top sheet]



New Artboard snap-to the **top left** of the sheet.