

CLASS -4



Landscape analysis through Maps



Grid reference

- In Toposheets include red lines in the north-south and east-west directions.
- The north-south lines are called eastings.
- And east-west lines are called northings.
- The grids formed jointly by the eastings and the northings are called reference grids.

-Grid reference is the determination of the position of the terrestrial objects using this grid.

-In 1:50000 toposheets each grid with 2 cm width & 2 cm breadth covers an area with 1 kilometre length & 1 kilometre breadth on the earth's surface.

-Eastings and Northings lines are used to solve the difficulty of accurately determining the location of small geographical features on toposheets.

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Eastings

-These are north-south lines.

-Their value increases towards the East.

-The value of the easting immediately left to the geographic features is considered for identifying a location.

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78 _____ 78

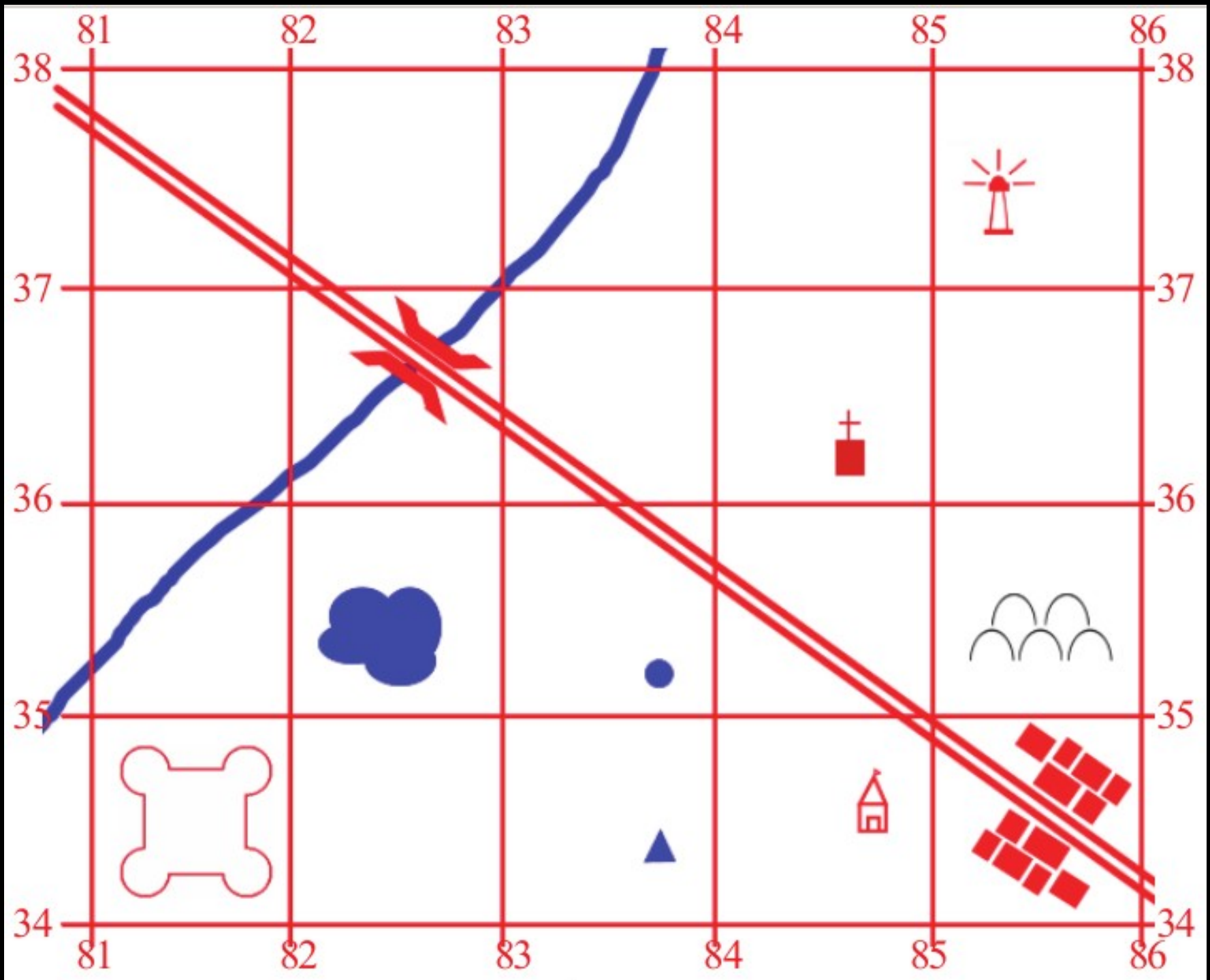
77 _____ 77

76 _____ 76

75 _____ 75

Northings

- These are lines drawn in the east-west direction.
- Their value increases towards the north.
- The value of the northings immediately to the south of the feature in the map is considered for identifying a location.



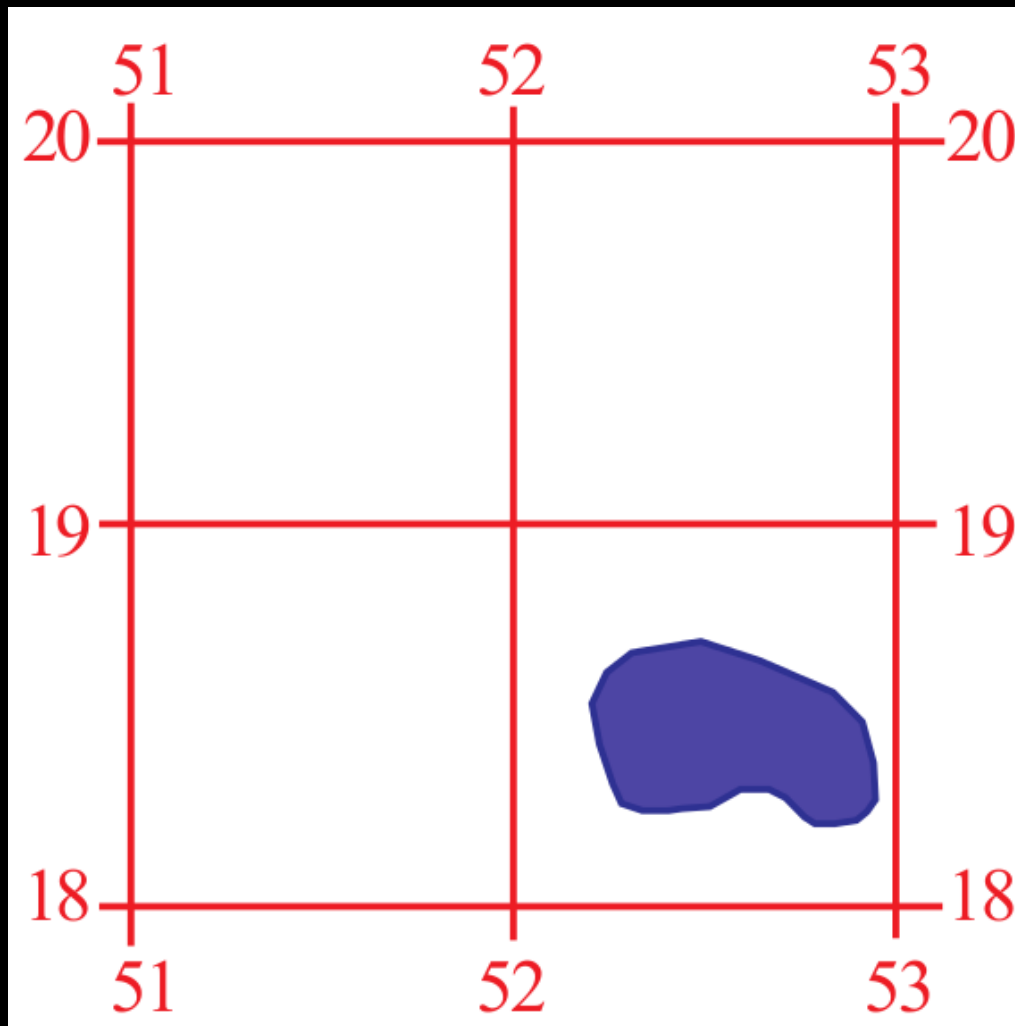
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4 - figure grid reference

-In the 4 - figure grid reference method, the value of the easting to the immediate left of the feature is to be written first.

-Then the value of the northing just south of the feature is to be written.

-This positioning method is known as four-figure grid reference.



What is the position of the pool in the four figure grid reference?

5218 (Fifty two eighteen)

6-figure grid reference

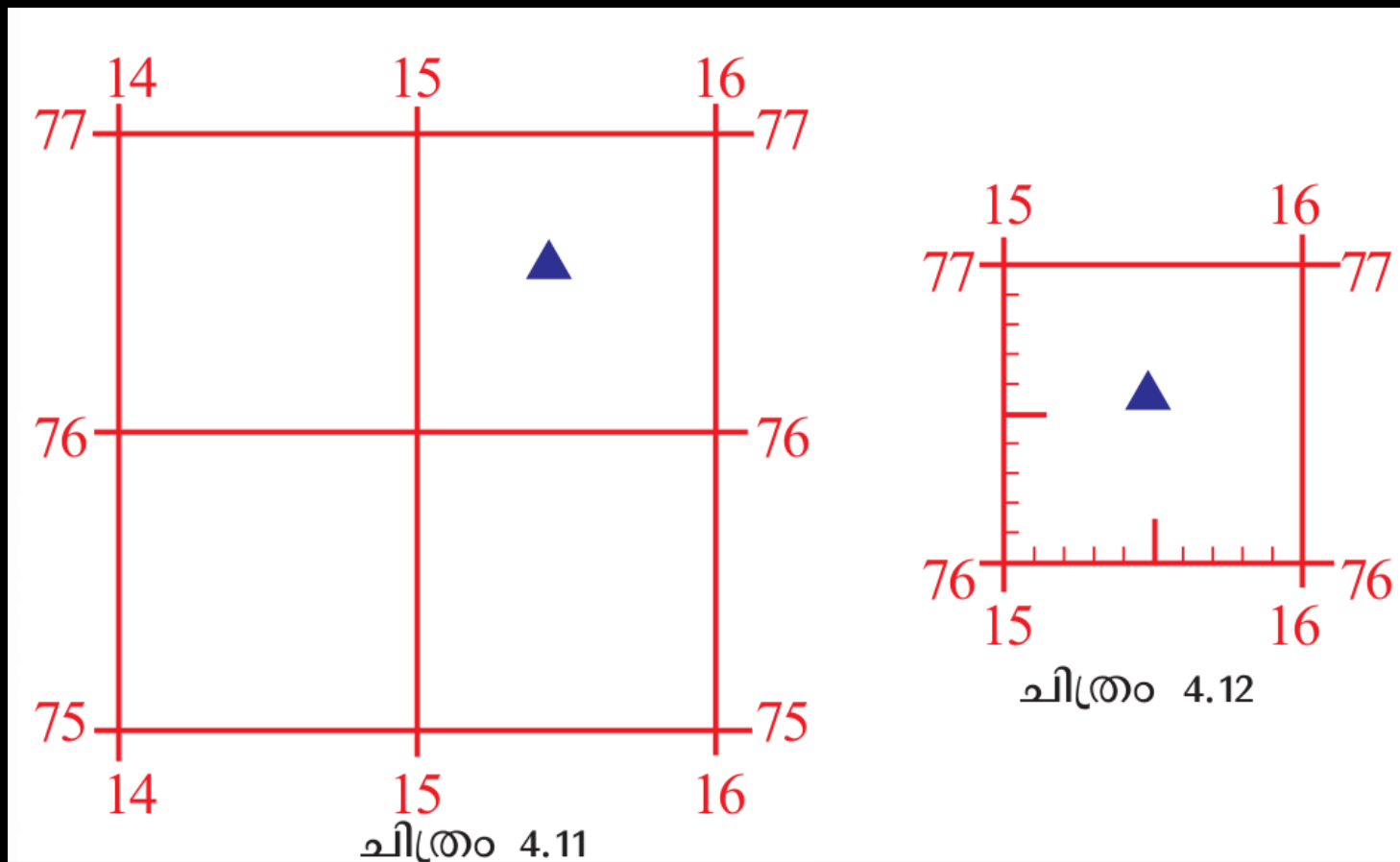
- Relatively smaller geographic features are generally located through the 6-figure grid reference method.
- While determining the location of the geographical features the value of the easting to the left of it is to be written first.
- Then divide the area up to the next easting into 10 equal Parts.
- Then find the exact division on which the geographical feature is located and write it next to the value of easting already found.

-Now write the value of the northing just below the feature along with the easting's value.

-Divide the area up to the next northing as being divided into 10 equal parts.

-Then find the exact division on which the feature is located and write it with the values already written.

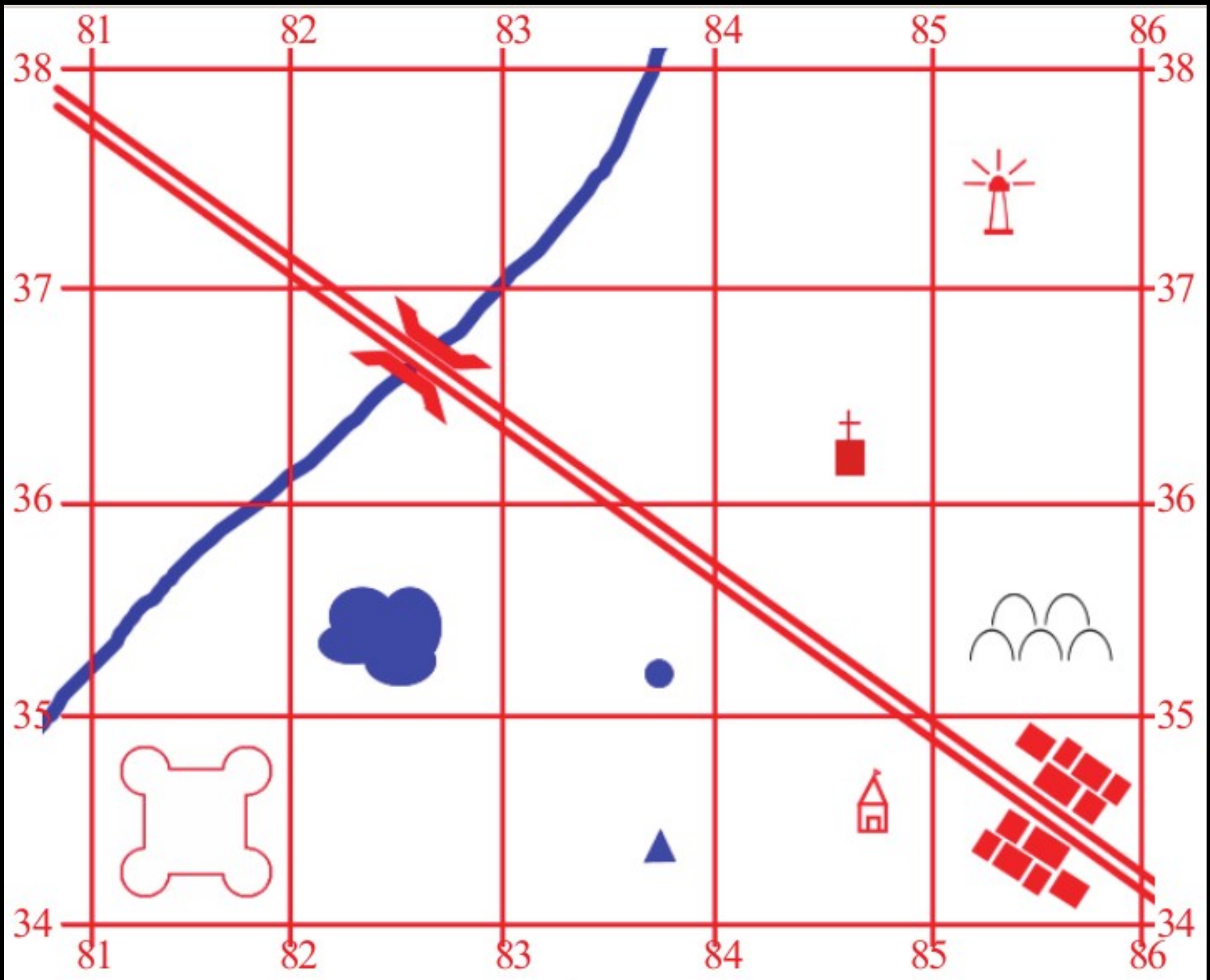
-What is obtained is the exact 6 figure grid reference of the geographical feature.



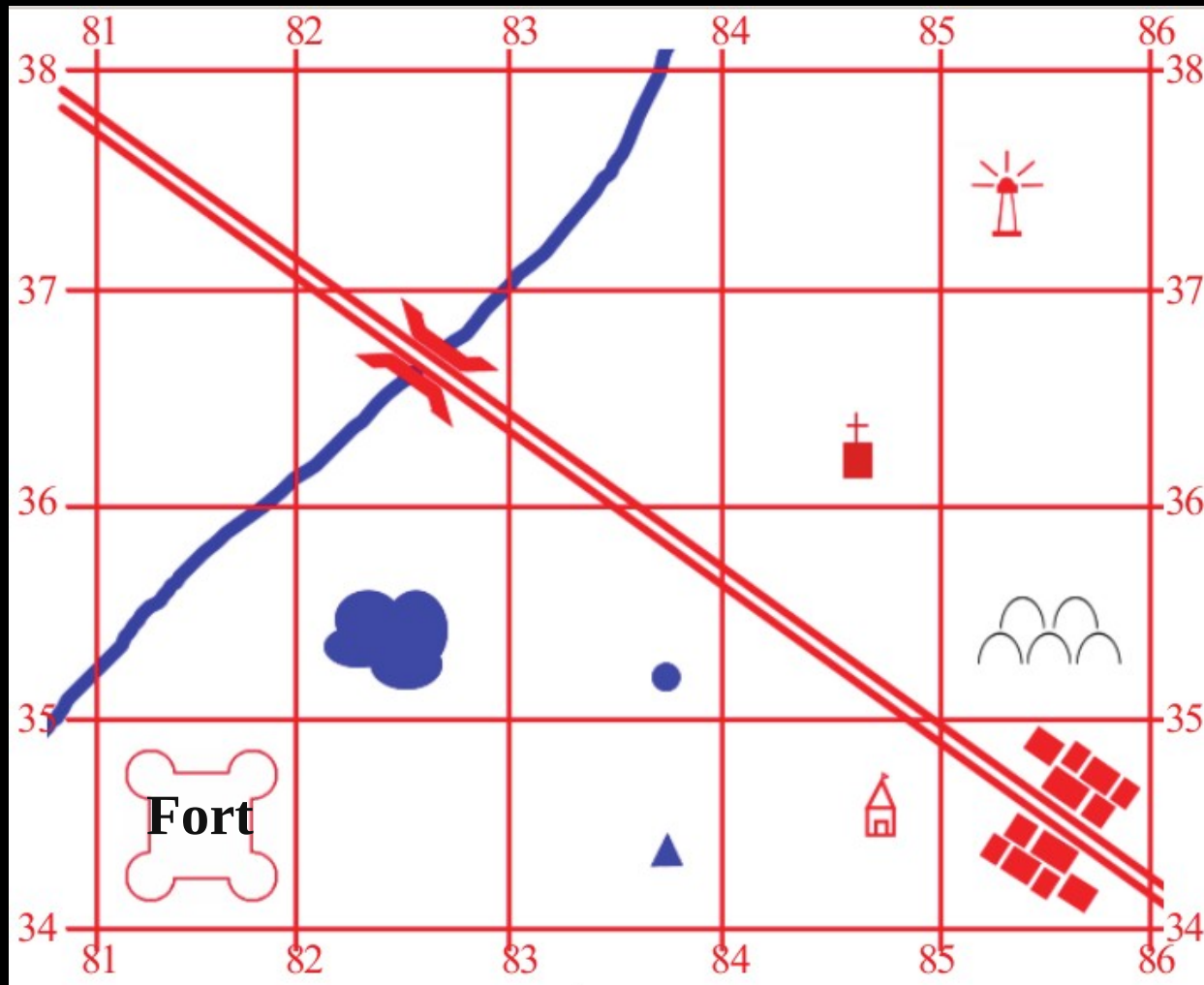
What is the position of the Tube well in the 6 figure grid reference?

155766(Fifteen five seventy six six)

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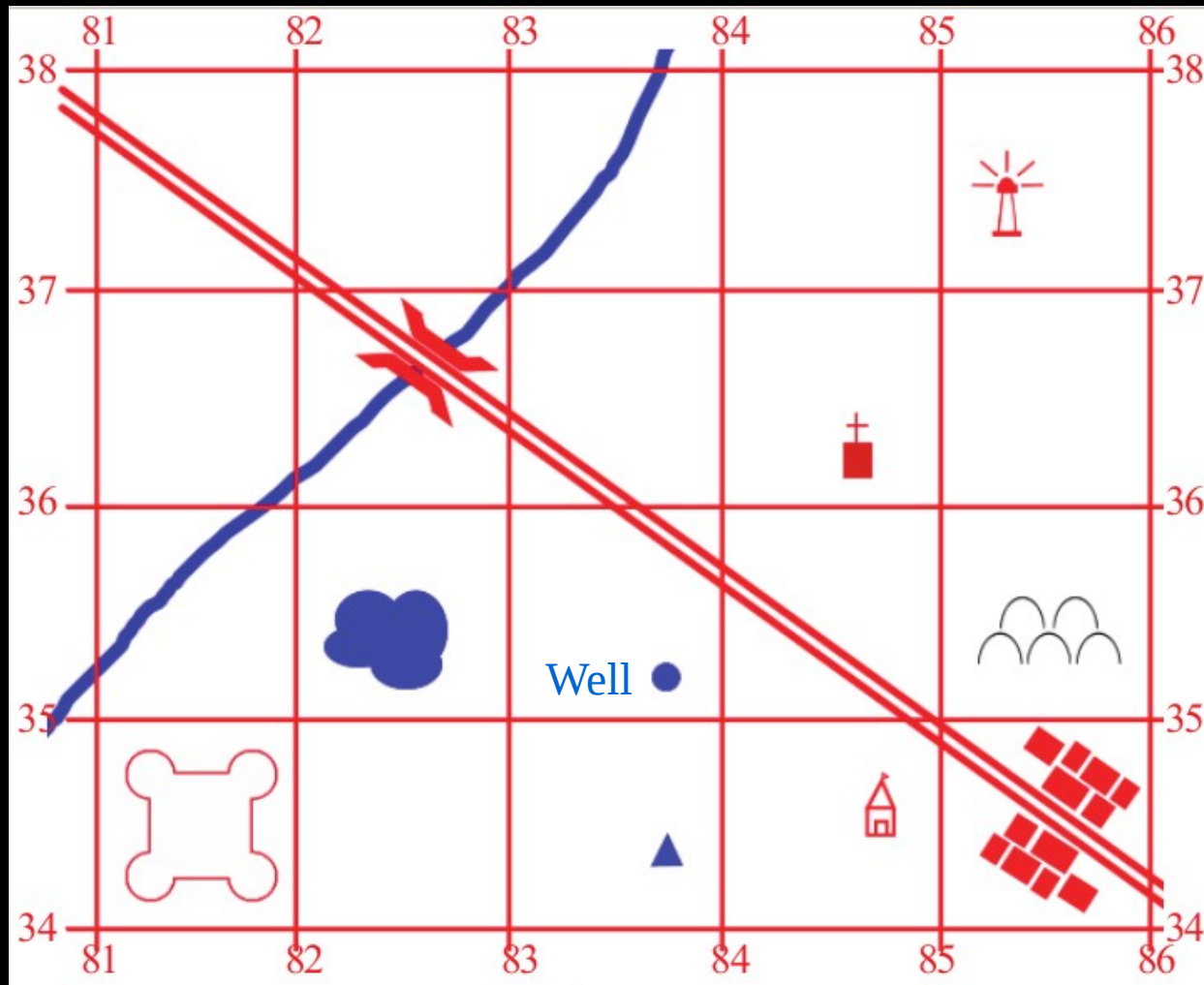


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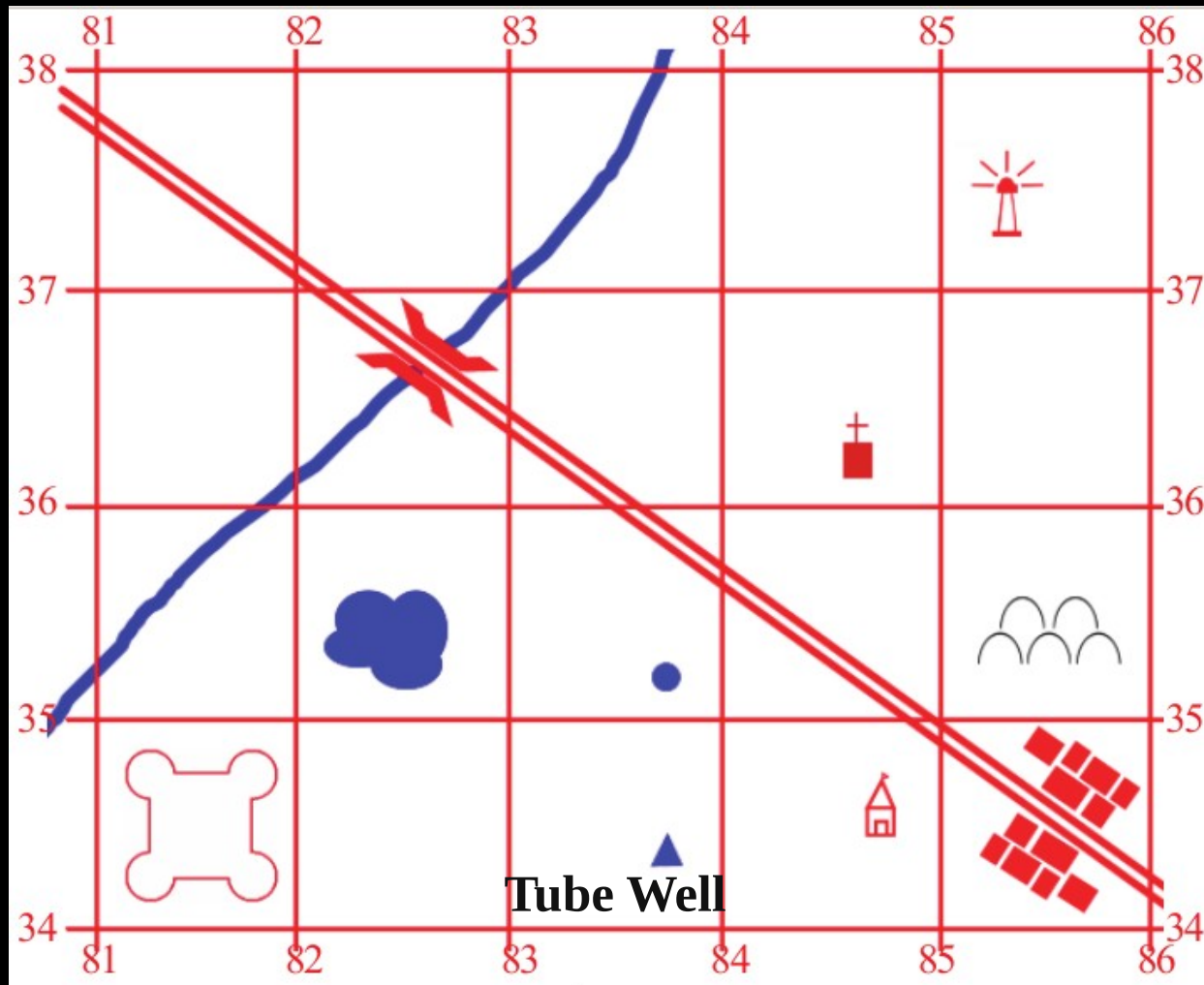


4 - figure grid reference of fort = 8134

6 - figure grid reference of fort = 815345

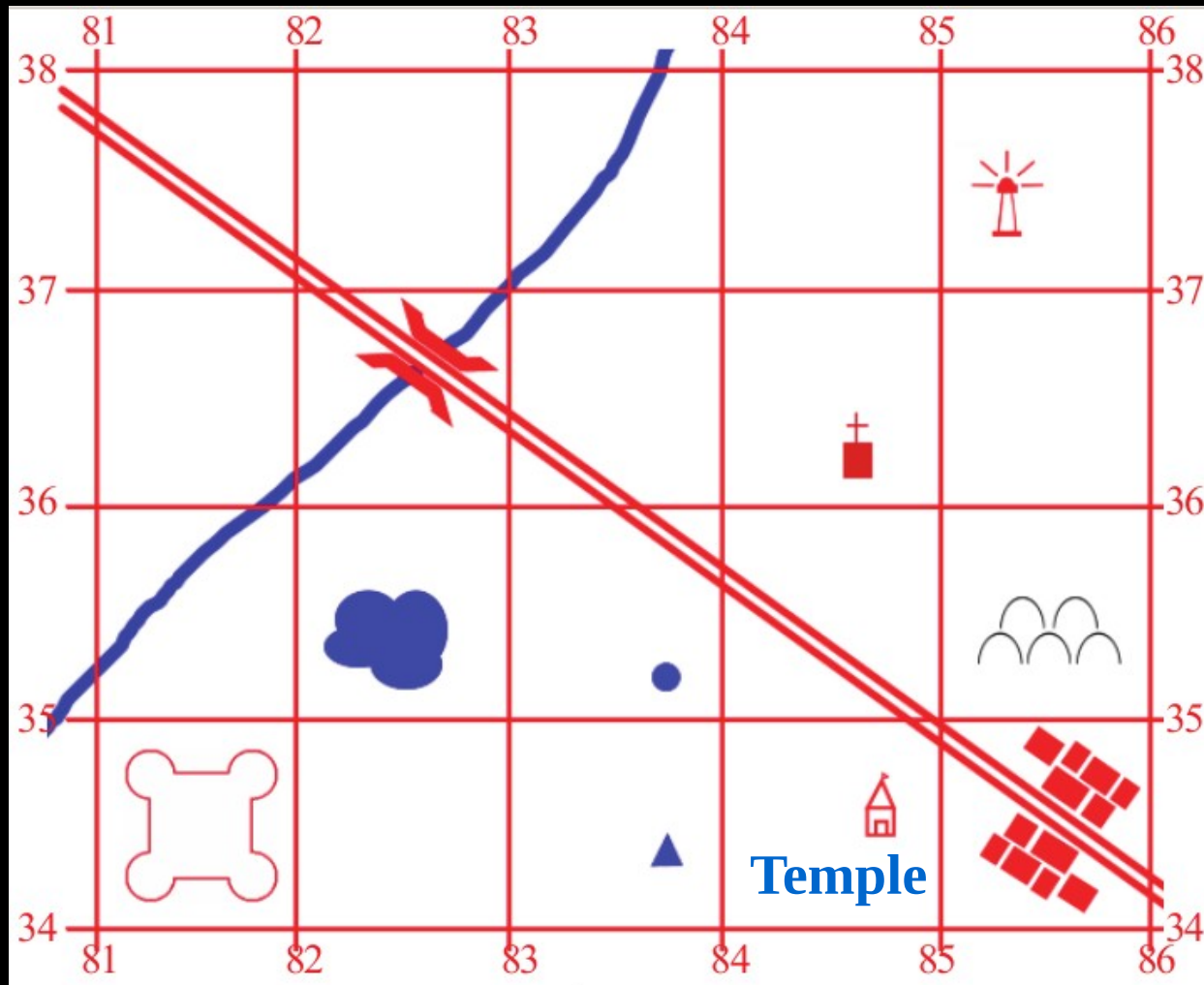


4 - figure grid reference of well = 8335
6 - figure grid reference of well = 837353

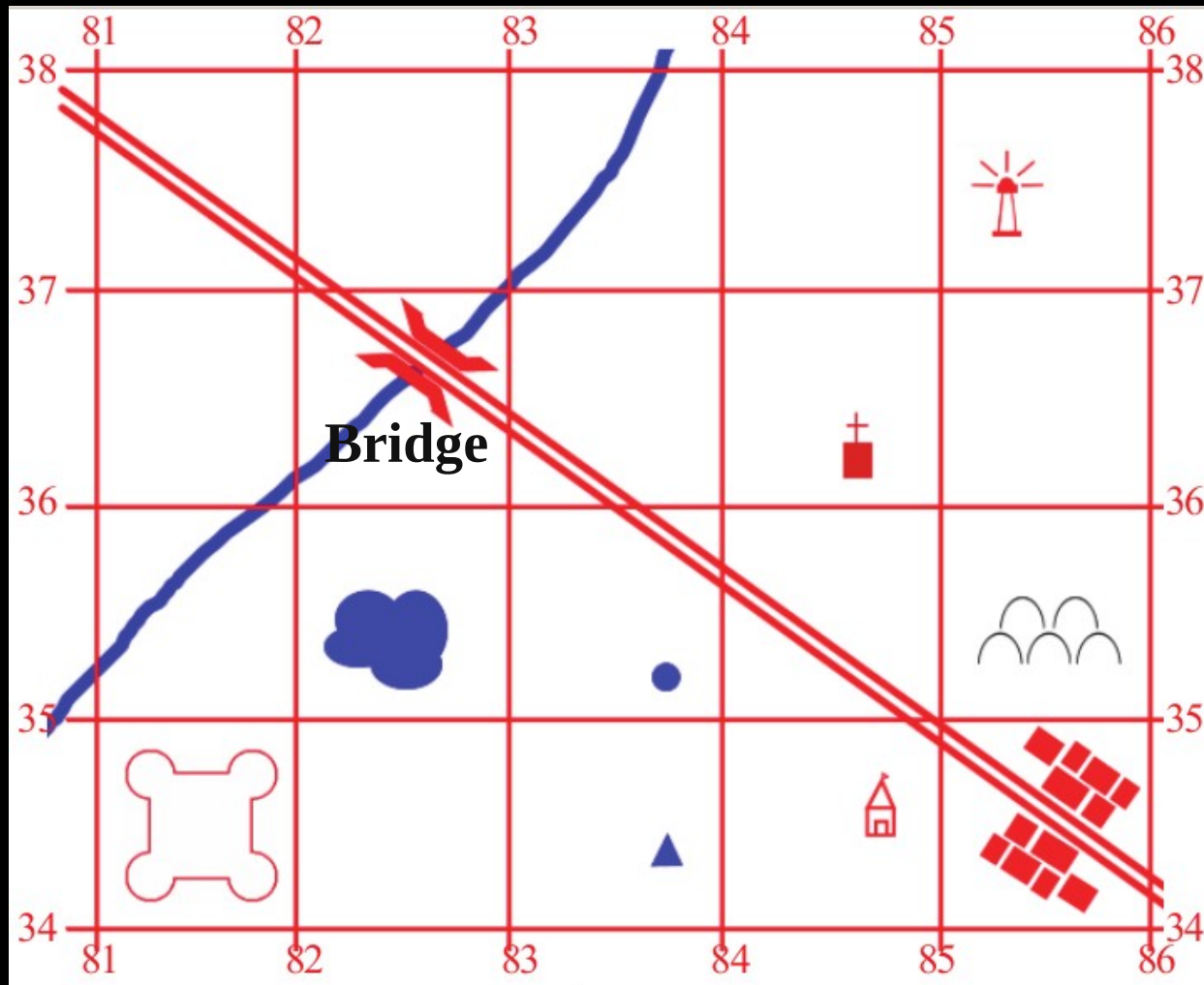


4 - figure grid reference of tube well = 8334

6 - figure grid reference of tube well = 837344

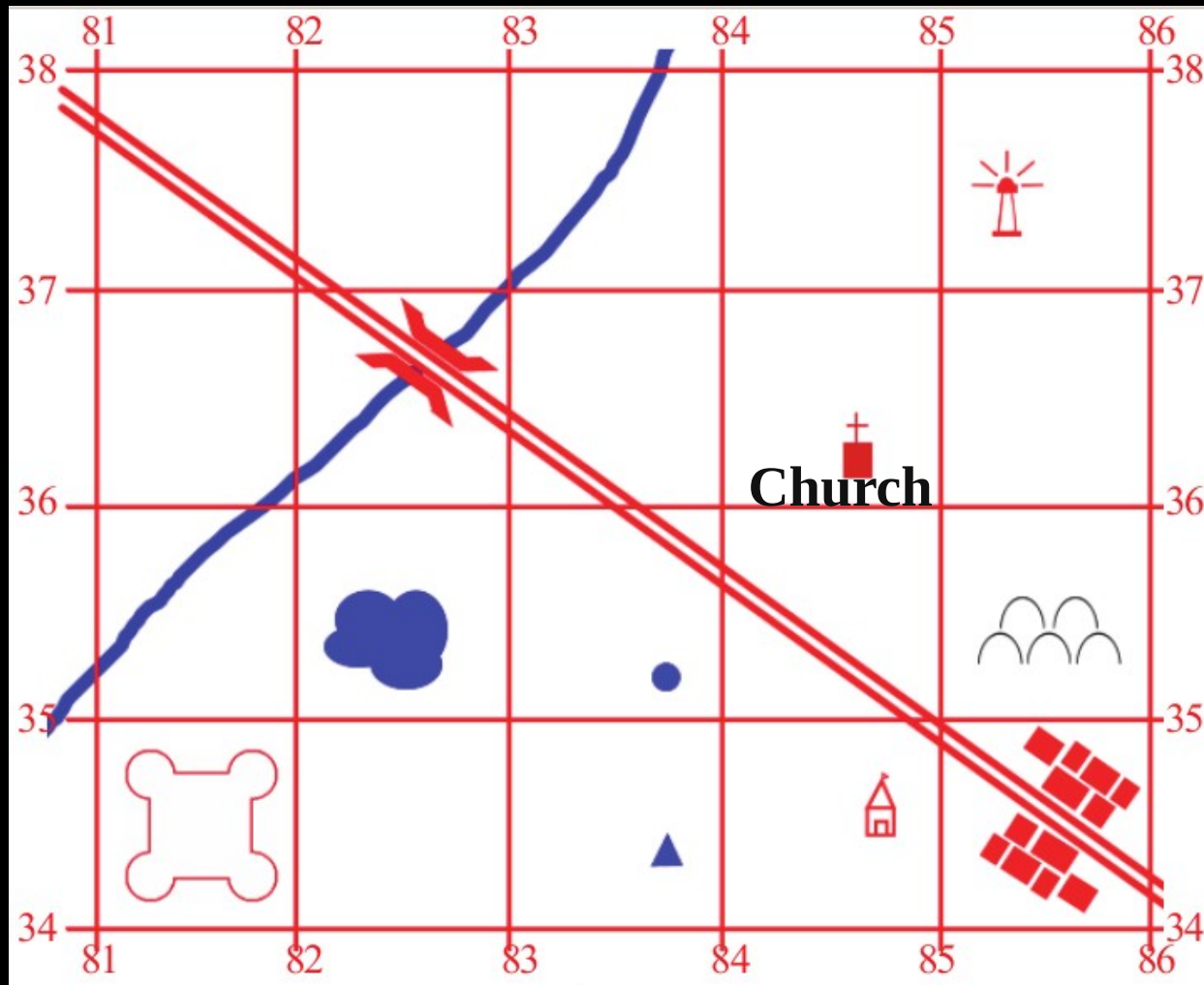


4 - figure grid reference of Temple = 8434
 6 - figure grid reference of Temple = 846346



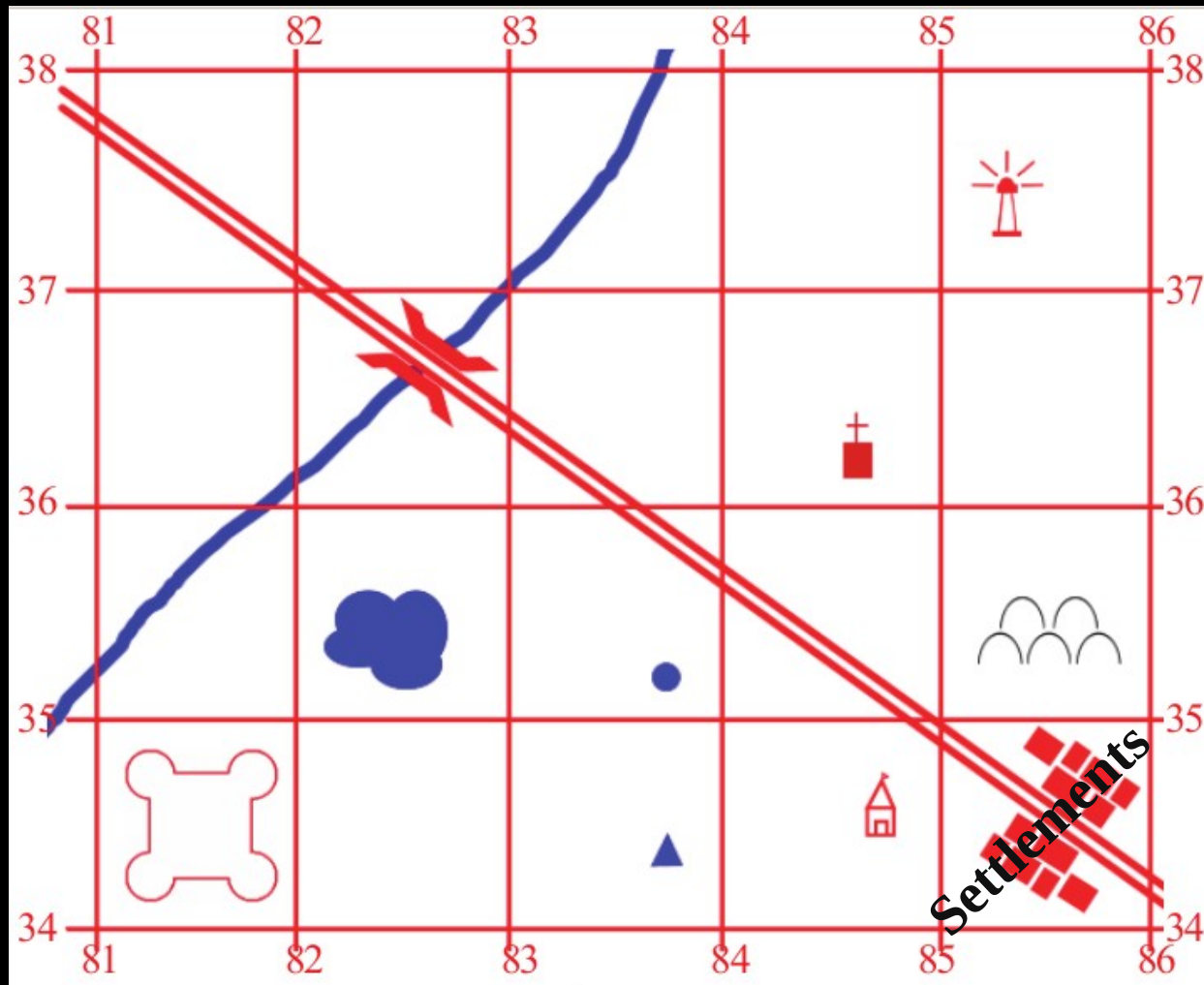
4 - figure grid reference of Temple = 82336

6 - figure grid reference of Temple = 826367



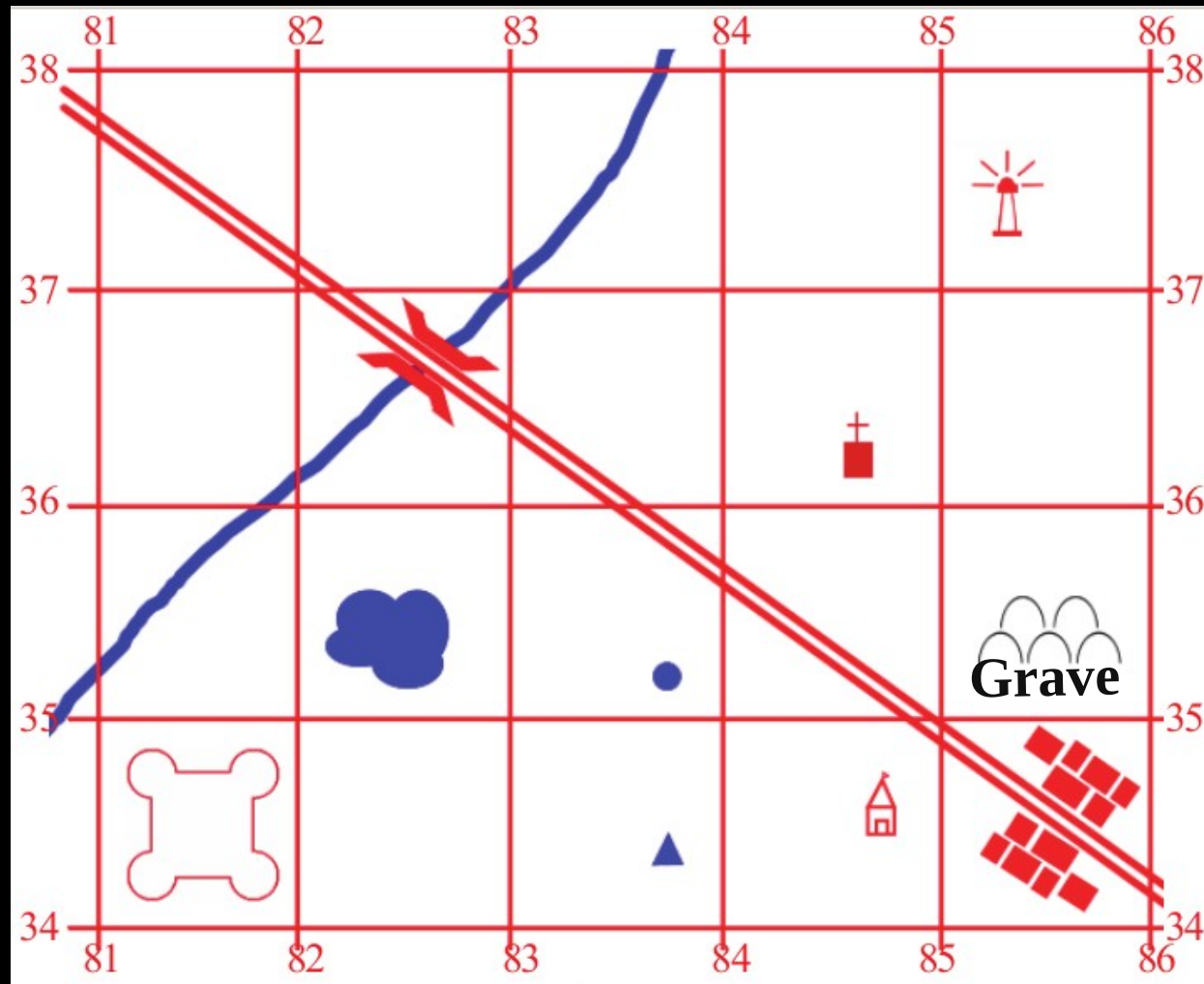
4 - figure grid reference of Church = 8436

6 - figure grid reference of Church = 846363

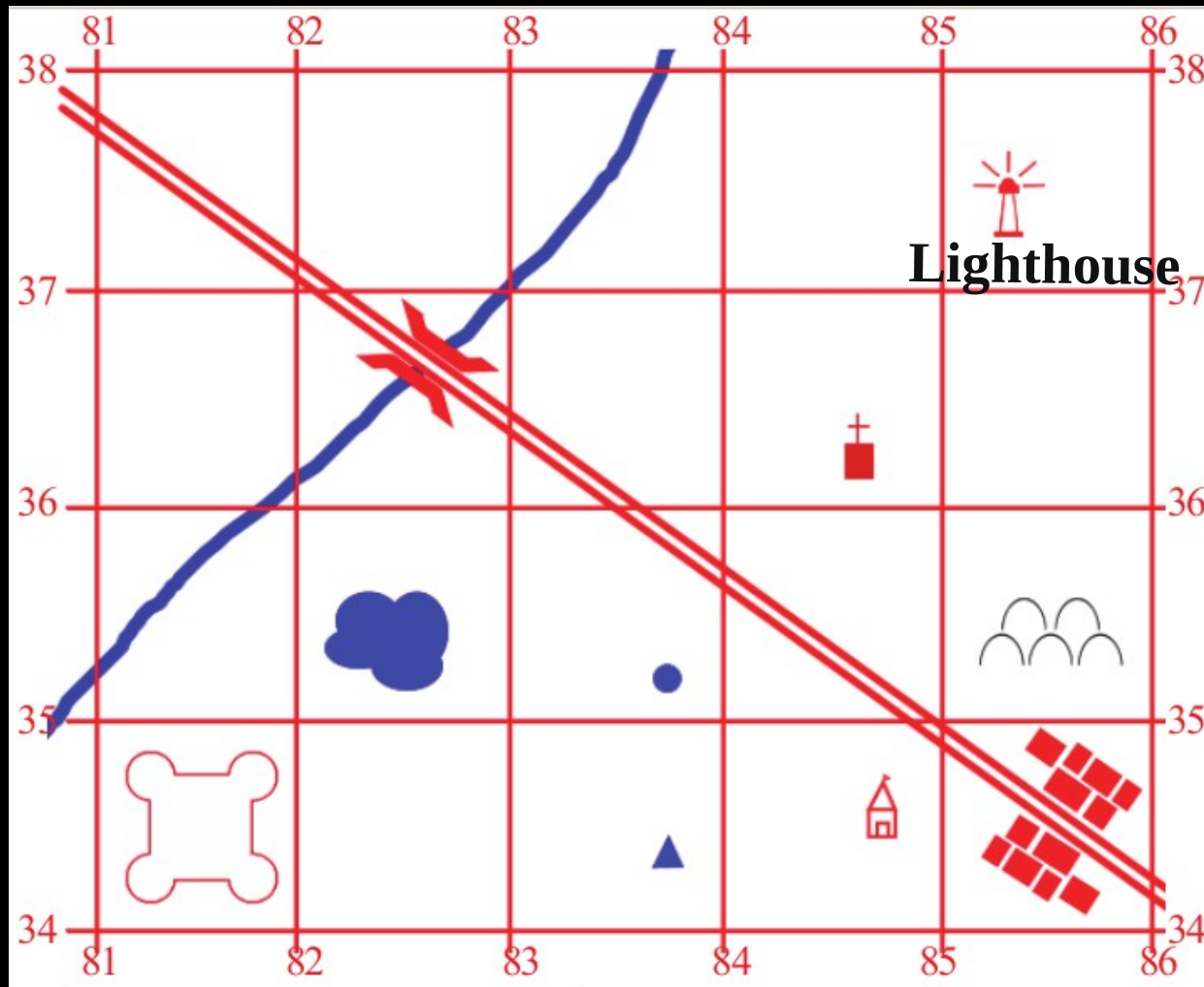


4 - figure grid reference of Settlements = 8534

6 - figure grid reference of Settlements = 856345



4 - figure grid reference of Grave = 8535
6 - figure grid reference of Grave = 855354



4 - figure grid reference of Lighthouse = 8537

6 - figure grid reference of Lighthouse = 853374

ALL THE BEST

BY

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MALAPPURAM.**

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