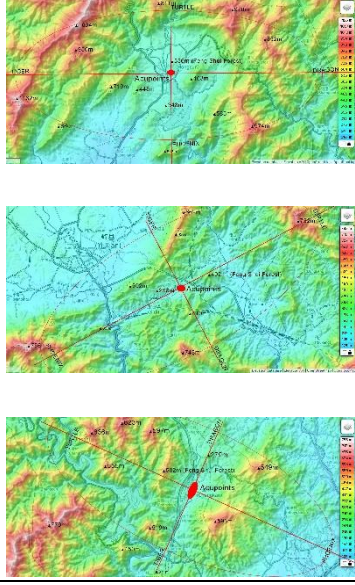
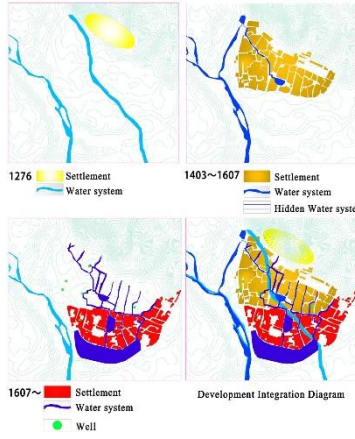
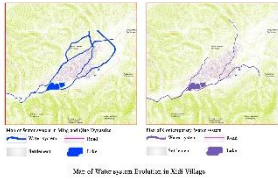
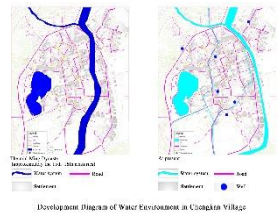
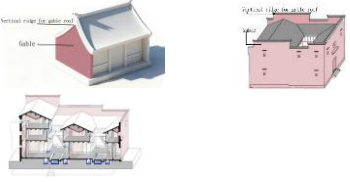
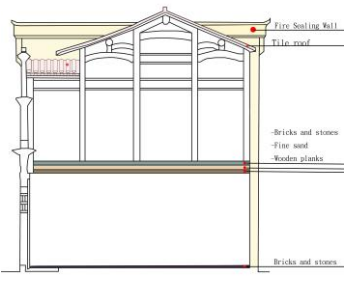
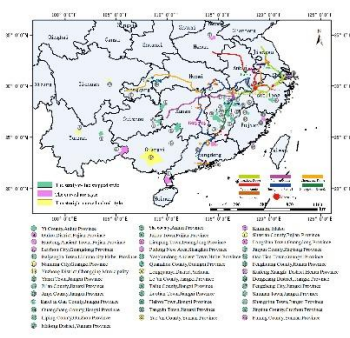


Table S2. Sources of Figure literature.

Figure No.	Figure	Literature Source
Figure 3、4、5		https://zh-cn.topographic-map.com/
Figure 6		1.The base map captured from Gaode Maps ((including contour lines, settlements, buildings, and roads). 2. Water system cited from[93] 3. Wang H. Water System Planning and Its Control Mechanism of Hong Village. HUAZHONG ARCHITECTURE2008. p. 224-8.
Figure 7		1. The base map captured from Gaode Maps ((including contour lines, settlements, buildings, and roads). 2. Water system cited from[94] 3. Shan D. Anhui Dwellings (Chinese Dwelling Architecture Series). Beijing, China: China Architecture & Building Press; 2009. p. 35.
Figure 8		1. The base map captured from Gaode Maps ((including contour lines, settlements, buildings, and roads). 2. Water system cited from[68, 95] 3. Bi Z, Chen C, Li Y, Cheng P, editors. Analysis on the human settlement environment of huizhou ancient villages based on the heritage of ancient roads-a case study of chengkan village.

		E3S Web of Conferences; 2021 18–19 May; Paris, France, : EDP Sciences. 4. Ni Q, Wang Y, Shigetomo K. Traditional Village Space Constitution Principle with the Core of Water System in Chinese Huizhou Areas —— Investigation Report on Chengkan Village of Huizhou Area in Huangshan City. URBANISM AND ARCHITECTURE SCHOLARS'FORUM2008. p. 107-8.
Figure 9(a),(b),(c)		1. The figure9 (a) was drawn by this study. The figure9(b and c) cited from[72]: 2. Shou T. Research on the Construction System of Huizhou Vernacular Architecture [Dissertation]. Nanjing, China: Southeast University; 2020.
Figure 11		1. This section was drawn by this study; the section referenced is from[117]. 2. Jiang Z. A Study on Spatial Design of Traditional Huizhou Villages from the Perspective of Resilient Disaster Prevention: Taking Hongcun, Chengkan, and Yangchan as Examples [Master's thesis]: Anhui University of Architecture; 2025.
Figure 12		1. This figure was drawn by this study. 2. The route was drawn by this study; the route referenced is from [124]. 3. Huang B. All the land and water routes under heaven. Taiyuan, China: Shanxi People's Publishing House; 1992.