

Preliminary Study on Chinese Traditional Garden Making Based on Water Storage Projects

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Abstract : Nowadays, China and the world are facing the same problems of flooding, city waterlogging and other environment issues. Throughout history, China had many excellent experiences dealing with the flood, and can be used as a significant reference for contemporary urban construction. In view of this, the research used the method of literature analysis to find out the main water storage measures in ancient cities, including reservoir storage and pond water storage. And it used the case study method to introduce the historical evolution, engineering measures and landscape design of 4 typical ancient Chinese cities in details. Then we found the pond and the reservoir were the main infrastructures for the ancient Chinese city to avoid the waterlogging and flood. At last this paper summed up the historical experience of Chinese traditional water storage and made conclusions that the establishment of a reasonable green water storage facilities could be used to solve today's rain and flood problems, and hoped to give some enlightenment of stormwater management to our modern city.

Keywords : ancient Chinese cities, water storage project, Chinese classical gardening, stormwater management, green facilities

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