

C635237: MAJOR URBAN PLANNING

KEY WORD: Land USE/FLOOD PROTECTION/DRAINAGE/EASTERN BANGKOK AND SAMUT PRAKAN

Sujaree PUDPARD : LAND USE GUIDELINES FOR THE WATER RETENTION AREA IN EASTERN BANGKOK AND

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The objectives of this thesis wants to find out the role and function of water retention and drainage area which are related to geography, Flood Protection and Drainage Plan, land use and development under the controlled criteria for water retention area in eastern Bangkok Project and impacts of the development and criteria for land use zoning on water retention and drainage conditions of that area. Including, follow measures are proposed the development guidelines and criteria of land use zoning which still carry on its role and function of water retention and drainage area in Eastern Bangkok and Samut Prakan.

It is found that land form of water retention area in eastern Bangkok and Samut Prakan are plain, low ground level between Chao Phraya River Basin and Bangpakong River Basin, it is designed to be North-South drainage line which is a part of the Drainage Project in Eastern Bangkok, has been controlled the development in order to be in accordance with government policy in keeping rural and agricultural area as much as can do in both of urban planning and enacting law on building use controls. Economic pressure factor causes of inordering land use such as adapting plan of building, reducing the water retention area; urban expansion effect on obstructing water flow line. Therefore, it should have land and building use controls in term of set back between building and building ; appropriate internal space for water retention area. Besides, should further look for other water retention area , prepare development plans for serving infrastructure to fulfil demand in the future and still keep and maintain capacities and efficiency of water retention and drainage area.

ภาควิชา การวางผังเมืองและสิ่งแวดล้อม

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