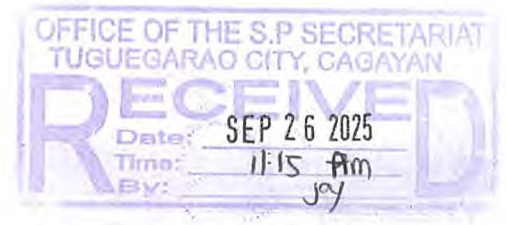


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CITY ORDINANCE NO. _____

DRAFT ORDINANCE ESTABLISHING A COMPREHENSIVE AND DETAILED DRAINAGE SYSTEM MASTER PLAN OF TUGUEGARAO CITY, AND PROVIDING FUNDS THEREFOR, AND FOR OTHER PURPOSES

Authored by:

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WHEREAS, Article II, Section 9 of the 1987 Philippine Constitution provides that, “The State shall promote a just and dynamic social order that will ensure the prosperity and independence of the nation and free the people from poverty through policies that provide adequate social services, promote full employment, a rising standard of living, and an improved quality of life for all”;

WHEREAS, Section 16 of Republic Act No. 7160 otherwise known as the Local Government Code of 1991 provides for the “General Welfare Clause” which empowers every local government unit (LGU) to exercise powers essential to promote the general welfare, including measures that enhance health, safety, prosperity, and the overall well-being of its inhabitants;

WHEREAS, Section 17 (b)(2)(viii) of the same Code specifically provides that cities shall be responsible for the provision of infrastructure facilities intended primarily to service the needs of their residents, including flood control and management projects such as drainage and sewerage;

WHEREAS, Tuguegarao City is highly vulnerable to flooding and waterlogging due to its topography, the presence of the Cagayan River, and intensified effects of climate change, thereby requiring an efficient drainage system;

WHEREAS, Tuguegarao City, being the Regional Center of Cagayan Valley, continues to experience rapid economic and infrastructure development, and population growth which necessitate a comprehensive detailed drainage system masterplan to address disaster risk reduction, and flooding;

WHEREAS, the funding of a comprehensive detailed drainage system masterplan will greatly aid in the City’s capacity to effectively address perennial flooding, traffic disruption, and health risks caused by stagnant water during heavy rains and typhoons;

WHEREAS, the preparation of a scientifically-based and well-coordinated drainage system masterplan will provide Tuguegarao City with a mechanism to mitigate flooding, and ensure long-term urban resilience.

NOW, THEREFORE, be it **ORDAINED**, by the Tenth City Council in session assembled to enact the following:

SECTION 1. TITLE. This Ordinance shall be known as the *“TUGUEGARAO CITY COMPREHENSIVE DRAINAGE SYSTEM MASTER PLAN ORDINANCE”*.

SECTION 2. DECLARATION OF POLICY. It is the policy of Tuguegarao City to ensure the health, safety, and general welfare of its residents through the development of resilient infrastructure. The creation of a Comprehensive Detailed Drainage System Master Plan is hereby declared a priority program.

SECTION 3. DEFINITION OF TERMS. When used in this Ordinance, the following terms shall mean:

- a) Comprehensive Detailed Drainage System Master Plan (CDDSM) / Drainage Master Plan – is the long-term, scientifically based, and systematically prepared document that outlines the design, development, rehabilitation, operation, and maintenance of Tuguegarao City’s drainage infrastructure to mitigate flooding, enhance disaster resilience, and promote sustainable urban growth.
- b) Drainage System – refers to a network of natural and man-made structures and facilities, including canals, culverts, stormwater drains, pumping stations, detention and retention basins, and green infrastructure, designed to collect, convey, store, and discharge excess rainwater or surface water to prevent flooding and waterlogging.
- c) Flood-Prone Areas – refers to the specific zones or locations within Tuguegarao City that are historically or scientifically identified as vulnerable to frequent flooding due to natural topography, river proximity, rainfall intensity, or land use patterns.
- d) Green Infrastructure – refers to an environmentally-sustainable drainage solutions such as rain gardens, bioswales, permeable pavements, constructed wetlands, and urban vegetation that mimic natural water processes and reduce stormwater runoff.
- e) Hydrological and Hydraulic Studies – refers to the scientific assessments that analyze rainfall, runoff, river flow, and drainage capacity, including modeling of water movement, to inform the design and improvement of drainage systems.
- f) Task Force – refers to the multi-agency group created under this Ordinance, composed of relevant City Government offices and concerned national line agencies, mandated to facilitate, design, and oversee the formulation and implementation of the Drainage Master Plan.
- g) Local Development Investment Program (LDIP) – refers to the medium-term development program of the City, which translates the Comprehensive Development Plan into a list of priority projects with corresponding budgets, ensuring alignment of the Drainage Master Plan with the City’s investment priorities.
- h) Disaster Resilience – refers to the capacity of Tuguegarao City, its communities, and infrastructure to anticipate, prepare for, respond to, and recover from flooding events and other hazards in a timely and efficient manner.
- i) Environmental Impact Assessment (EIA) – refers to a process of evaluating the likely environmental impacts of drainage projects, considering both positive and negative effects, and ensuring that preventive or mitigating measures are integrated into project design and implementation.
- j) Stakeholder Engagement – refers to the process of involving affected communities, civil society organizations, private sector representatives, and other relevant groups in consultations, planning, and monitoring related to the Drainage Master Plan.
- k) Oversight Committee – refers to the body created under this Ordinance to monitor, evaluate, and review the implementation of the Drainage Master Plan, ensuring accountability, transparency, and responsiveness.
- l) Maintenance and Rehabilitation – refers to regular activities, repairs, and improvements undertaken to sustain the efficiency, functionality, and safety of existing drainage infrastructure.

SECTION 4. DRAINAGE MASTER PLAN TASK FORCE. A Task Force composed of relevant departments of the City Government of Tuguegarao and regional offices of concerned national line agencies is hereby created to fulfill and implement the provisions of this Ordinance, primarily to facilitate necessary assessment, data gathering, and the development and construction of a Comprehensive Detailed Drainage System Master Plan (CDDSM), hereinafter referred to as the “Drainage Master Plan”

The Drainage Master Plan shall be the basis of the City for the construction of projects for the effective prevention and management of flooding, promotion of sustainable urban development, protection of public health and the environment, enhancement of disaster resilience, and the attainment of long-term economic and social benefits to its citizens.

SECTION 5. COMPOSITION AND FUNCTIONS OF MEMBERS. The members of the Task Force and their corresponding functions are the following:

- a. City Engineering Office – leads the design, maintenance, and all necessary matters in relation to the construction and implementation of the Drainage Master Plan. They shall

work closely with the City Planning and Development Office to ensure consistency with the local development and investment program (LDIP) of the City.

- b. City Planning and Development Office - leads the planning of the Drainage Masterplan, and shall integrate drainage planning with land use, zoning, and development regulations, other than ensuring its consistency with the LDIP.
- c. City Environment and Natural Resources Office – shall ensure environmental sustainability of drainage projects and its consistency with environmental regulations implemented by the City Government.
- d. City Disaster Risk Reduction and Management Office – shall provide technical support and guidance to ensure that the Drainage Master Plan follows disaster risk reduction and management plan of the City.
- e. Environmental Management Bureau Region 02 – shall review Environmental Impact Assessments (EIA) for drainage-related infrastructure, and ensures compliance of the Drainage Master Plan with relevant environmental laws.
- f. Department of Public Works and Highways – Cagayan Third District Engineering Office – shall provide technical guidance and support of their expertise in formulating drainage master plan and ensure that the same is consistent with national government infrastructure programs.
- g. Department of Science and Technology Region 02 – shall To provide science-based tools, data, and research to guide planning and implementation of the Drainage Master Plan through science-driven approach and methodologies, and capacity-building to ensure that flood control initiatives are sustainable, inclusive, and aligned with long-term urban resilience and development goals.

SECTION 6. DRAINAGE SYSTEM MASTER PLAN. The Task Force is mandated to facilitate the creation and the eventual implementation of a Comprehensive Detailed Drainage System Master Plan for the entire territorial jurisdiction of Tuguegarao City, which shall include the following:

- a. Conduct of a Comprehensive Assessment of the current drainage infrastructure of the City, including mapping, hydrological and hydraulic studies, and condition assessment;
- b. Reidentification of Flood-Prone Areas, including historical data, climate projections, and land-use impacts;
- c. Design and Engineering Standards for stormwater management, drainage structures, detention and retention facilities, green infrastructure, and related improvements;
- d. Phased Implementation Plan including short-term, medium-term, and long-term projects;
- e. Maintenance and Rehabilitation Projects for existing drainage facilities;
- f. Development of public consultation and stakeholder engagement plan and subsequent conduct thereof;
- g. Crafting of responsive strategies for climate resilience and environmental sustainability.

SECTION 7. IMPLEMENTING AGENCY. The Office of the City Mayor through the City Engineering Office, shall be the lead implementing agency, in coordination with the Planning and Development Office.

SECTION 8. IMPLEMENTING RULES. Within sixty (60) days from its approval, the City Mayor's Office shall formulate and promulgate implementing rules and regulations for the effective implementation of this Ordinance.

SECTION 9. APPROPRIATION. An initial amount shall be appropriated from the Annual Budget of the City for the formulation and subsequent implementation of the Drainage Master Plan, subject to the availability of funds and in accordance with the Local Government Code.

SECTION 10. MONITORING AND EVALUATION. A Drainage Master Plan Oversight Committee is hereby created to monitor implementation progress, review and evaluate results, recommend updates and improvements, to ensure transparency and public accountability. The Committee shall be composed of representatives from:

- a) City Administrator's Office
- b) City Treasurer's Office
- c) Chairman of the Committee on Infrastructure and Public Utilities of the Sangguniang Panlungsod

- d) Five (5) representatives from accredited Civil Society Organizations (CSOs) of the City.

SECTION 11. SEPARABILITY CLAUSE. If any provision of this Ordinance is declared unconstitutional or invalid, the remaining provisions not affected thereby shall remain in full force and effect.

SECTION 12. REPEALING CLAUSE. All ordinances, executive orders, rules, and regulations or parts thereof inconsistent with this Ordinance are hereby repealed or modified accordingly.

SECTION 13. EFFECTIVITY. This Ordinance shall take effect following favorable review from the Sangguniang Panlalawigan of Cagayan and compliance with posting requirements under the Local Government Code.