



Republic of the Philippines  
Province of Cavite  
**CITY OF BACOR**

**Office of the Sangguniang Panlungsod**



*DISTRICT I*  
  
HON. CATHERINE SARINO-EVARISTO  
City Councilor

HON. MICHAEL E. SOLIS  
City Councilor

HON. ADRIELITO G. GAWARAN  
City Councilor

HON. VICTORIO L. GUERRERO, JR.  
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HON. SIMPLICIO G. DOMINGUEZ  
City Councilor

HON. RANDY C. FRANCISCO  
Liga ng mga Barangay Vice-President

HON. PALM ANGEL S. BUNCIO  
SK Federation President

Attested by:  
  
ATTY. KHALID A. WITEGA, JR.  
Sangguniang Panlungsod Secretary

Certified by:  
  
HON. ROWENA BAUTISTA-MENDIOLA  
City Vice Mayor

Approved by:  
  
HON. STRIKE B. REVILLA  
City Mayor

**CITY ORDINANCE NO. 393-2024  
SERIES OF 2024**

**AN ORDINANCE REQUIRING THE INSTALLATION OF A  
RETARDING OR IMPOUNDING BASIN FOR EVERY LAND  
DEVELOPMENT PROJECT IN THE CITY OF BACOR, PROVINCE  
OF CAVITE.**

Sponsored by:

**Hon. Levy M. Tela and Hon. Alde Joselito F. Pagulayan**

Co-Sponsored by:

**Hon. Roberto L. Advincula, Hon. Palm Angel S. Buncio, Hon.  
Simplicio G. Dominguez, Hon. Catherine Sarino-Evaristo, Hon.  
Reynaldo M. Fabian, Hon. Randy C. Francisco, Hon. Adrielito  
G. Gawaran, Hon. Alejandro F. Gutierrez, Hon. Reynaldo D.  
Palabrica, Hon. Rogelio M. Nolasco, and Hon. Michael E. Solis.**

**WHEREAS**, Article II, Section 16 of the 1987 Constitution provides that the State shall protect and advance the right of the people to a balance and healthful ecology in accord with the rhythm and harmony of nature.

**WHEREAS**, Section 3, (i) of Republic Act No. 7160 ("Local Government Code of 1991") provides that the Local Government Unit shall share with the national government the responsibility for the management and maintenance of ecological balance within their territorial jurisdiction.

**WHEREAS**, the broad scale of environment and enhancement of ecology has become an important challenge to the national and local government, hence, the necessity for the enactment and implementation of environmental protection and management law.

**WHEREAS**, widespread flooding constantly occurs in the City of Bacoor due to infrastructure facilities that cannot accommodate water brought about by heavy rainfalls and illegal obstructions and structures on water canals, rivers, and other waterways.

**WHEREAS**, it is the obligation of the city to promote, preserve, protect, and revive the ecosystem through the prevention, control, and abatement of water pollution, particularly mitigating flooding problems across its jurisdiction and the possible spread of hazardous diseases in the environment hand-in-hand with the sustained development of the city.



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**WHEREAS**, the construction of a retarding or impounding basins in low-lying and flood-prone areas of the City of Bacoor is an attainable solution to mitigate, if not totally rectify, urban flooding.

**WHEREAS**, the retarding or impounding basin would temporarily store rainwater run-off and contain flooding in periods of heavy rain.

**WHEREAS**, this system of collecting rainwater has been proven to be an effective flood mitigation structure in the Philippines and in other countries and is presently protecting built-in areas from flooding.

**WHEREAS**, the City Government of Bacoor has the power to pass an ordinance to formulate policies and adopt measures to protect the environment and impose the necessary penalties for acts that would endanger the environment.

**WHEREAS**, the City Government of Bacoor, through the leadership of the City Mayor, Honorable Strike B. Revilla, envisions a flood-free community which is vital to boost the city's economy while at the same time protecting its constituents from possible flood hazards and the spread of related diseases.

**NOW THEREFORE**, be it ordained by the 5<sup>th</sup> Sangguniang Panlungsod of the City of Bacoor, Cavite, that:

**Section 1. SHORT TITLE.** - This Ordinance shall be known as the "**Retarding Basin Ordinance of the City of Bacoor 2024.**"

**Section 2. DECLARATION OF POLICY.** - It is the declared policy of the State to protect lives and property in the event of floods. Pursuant thereto, the State shall take the necessary measures to capture rainwater to control flooding and to provide a safe and adequate supply of clean and unpolluted water for local purposes and sanitation.

**Section 3. DEFINITION OF TERMS.** - For purposes of this Ordinance, the following shall be defined as follows:

**1. Retarding or Impounding Basin** — a type of reservoir that is used to collect and store stormwater or floodwater temporarily. Its primary purpose is to control the flow rate of water runoff to prevent flooding and erosion downstream by releasing it slowly at a rate that the watercourses can accommodate.

**2. Drywell or Percolation Chamber** — an underground structure that allows water to disperse into the



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*Sangguniang Panlungsod Secretary*

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*City Vice Mayor*

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*City Mayor*

ground, typically for the purpose of stormwater management, which is designed to handle excess water by directing it away from built-up areas and allowing it to percolate through the soil, which helps to recharge groundwater and reduce surface runoff.

**3. Storm Drain System** - also known as a storm sewer or drainage system, is a network of structures designed to excess rain and ground water from paved streets, parking lots, sidewalks, and roofs. It typically includes components like gutters, street inlets, pipes, and outfalls that channel the water away from urban areas to prevent flooding, and the water is usually discharged into natural bodies of water like rivers, lakes, or the ocean.

**4. Drainage Channel** — a path or conduit designed to transport water from one area to another, which can be natural, like a stream or river, or artificial, such as a ditch or canal. They are often constructed to direct stormwater runoff away from streets and properties to prevent flooding and water damage. It can be open-air channels or enclosed pipes and is essential to urban stormwater management systems.

**5. Natural Wash** — also known as a dry creek, is a dry riverbed or channel that temporarily fills and flows after rain; it is typically found in arid or semi-arid regions and can be characterized by steep sides and a flat bottom. They are often dry most of the year but can become rapidly flowing streams during rainstorms.

**6. Soil Erosion** — a specific type of erosion that involves the removal of the top layer of the soil, also known as the topsoil, from the land. This can happen through various processes such as rainfall, surface runoff, wind, and other human activities like farming and construction.

**7. Return Period** - refers to the average length of the time in years for a rain-related natural disaster of a given magnitude to be equaled or exceeded by the length of time a rainwater-related disaster may probably recur.

**Section 4. RETARDING OR IMPOUNDING BASIN REQUIREMENT.** - It is hereby prescribed that all land development projects in the City of Bacoor shall incorporate in their design a retarding or impounding basin and facility for storage for flood mitigation and supply of clean water.

For purposes of this Ordinance, the term "land development projects" pertains to new subdivisions, condominium communities, malls, government institutions or



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*City Vice Mayor*

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*City Mayor*

facilities, central business districts, and information technology parks.

**Section 5. DESIGN REQUIREMENT.** — The retarding or impounding basin must be designed to cope with a pre-determined flood and rain return period and must have a storage capacity prescribed by the City Government of Bacoor. The design of the retarding or impounding basin shall include the following:

1. Size, shape, and physical characteristic of available space;
2. Construction plans with specified type of material, including lining and coating requirements;
3. Detailed drawing as to how the installation will drain into an outfall structure such as a drywall or percolation chamber, storm drain system, drainage channel, or natural wash; and
4. Other requirements as may be stated in the Implementing Rules and Regulations and/or further issuances.

**Section 6. ISSUANCE OF PERMITS.** - The City Government of Bacoor, through its Zoning and Land Development Department, Office of the City Building Official and other related offices, shall not issue a zoning or building permit and the corresponding ancillary or related permits pursuant to Presidential Decree (PD) No. 1096 or the "National Building Code of the Philippines" pertaining to all land development projects that do not incorporate retarding or impounding basin in compliance with this Ordinance.

**Section 7. PROHIBITIONS.** — The following acts done by any employee or officer of the City Government of Bacoor or by any natural or juridical person applying for a building, zoning, occupancy, or development permit from the City Government are hereby prohibited:

1. Approval of the building design or development plan without incorporating the retarding or impounding basin;
2. Non-construction of the required retarding or impounding basin that is actually incorporated in the design of the building;
3. Issuance of a building permit and/or occupancy permit for the construction without the incorporation of a retarding or impounding basin; or



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*City Vice Mayor*

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*City Mayor*

4. Other analogous circumstances as may be further defined or explained in the Implementing Rules and Regulations.

**Section 8. PENALTIES.** — Upon conviction by a first-level court in the City of Bacoor, Province of Cavite, the following penalties shall be imposed against any person, whether natural or juridical, who shall violate this Ordinance:

**First Offense -** Payment of a fine amounting to Two Thousand Pesos (PHP 2,000.00);

**Second Offense-** Payment of a fine amounting to Three Thousand Pesos (PHP 3,000.00);

**Third Offense-** Payment of a fine of Five Thousand Pesos (PHP 5,000.00) or imprisonment for a period or more than three (3) months but not exceeding six (6) months, or both such fine and imprisonment at the discretion of the court.

**SECTION 9. IMPLEMENTING RULES AND REGULATIONS.** — The Zoning and Land Development Department, in coordination with the Office of the Building Official, the City Engineering Office, and the Office of the City Legal Service, shall formulate the Implementing Rules and Regulations (IRR) necessary to implement the provisions of this Ordinance within ninety (90) days upon the final consideration and approval of this Ordinance by the Sangguniang Panlungsod of the City of Bacoor.

**SECTION 10. DATE OF EFFECTIVITY.** This Ordinance shall take effect immediately after it has been published once in a newspaper of general circulation in the City of Bacoor, Cavite.

**SECTION 11. AUTOMATIC REVIEW.** The Sangguniang Panlungsod shall automatically review this Ordinance once every three (3) years after its approval or whenever the need for such review arises.

**SECTION 12. REPEALING CLAUSE.** All local ordinances, executive orders, resolutions, memoranda, regulations, or part thereof in conflict or inconsistent with any provisions of this Ordinance shall be considered hereby revoked and/or modified accordingly.

**SECTION 13. SEPARABILITY CLAUSE.** If, for any reason, any provision of this Ordinance is declared void by a court of competent jurisdiction, such judgment shall not affect or impair the remaining provisions hereof which shall remain in full force and effect.



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Certified by:

HON. ROWENA BAUTISTA-MENDIOLA  
City Vice Mayor

Approved by:

HON. STRIKE B. REVILLA  
City Mayor

**APPROVED** this 27<sup>th</sup> day of August 2024 at the City of Bacoor, Cavite, by the Sangguniang Panlungsod of Bacoor City, Cavite.

I hereby certify that the foregoing Ordinance is true and correct and that it was passed in accordance with law.

Certified by:

*[Signature]*  
HON. ROWENA BAUTISTA-MENDIOLA  
City Vice Mayor/Presiding Officer

Attested by:

*[Signature]*  
ATTY. KHALID A. ATEGA JR.  
Sangguniang Panlungsod Secretary

Approved by:

*[Signature]*  
HON. STRIKE B. REVILLA  
City Mayor

Date of Approval: 09 SEP 2024