

## ORDINANCE NO. 2020-007

### To Amend Ordinance 2019-003, Storm Water Management Authority Post-Construction

BE IT ORDAINED by the City Council of the City of Gardendale, Alabama, while in a regular session on the 18th day of May 2020 at 7:00 p.m., as follows:

Whereas, the city adopted Ordinance 2019-003 on January 19, 2019, and

Whereas, the city finds it necessary to amend the Design Standard Section of Addendum A of said Ordinance as follows:

#### **Design Standards**

For detention and retention ponds, the calculation methodology shall utilize the National Resource Conservation Resources (NRCS) Urban Hydrology for Small Watersheds Technical Release 55 (TR-55) or equivalent. For the determination of pre-construction and post-construction storm water runoff hydrology, the 24-hour rainfall depths from National Oceanic and Atmospheric Administration (NOAA) Atlas14, Volume 9, Version 2 included in Table 1 shall be used:

**Table 1. Design Storms**

Storm Event (24 hour)	Rainfall (inches) (Bessemer)	Rainfall (inches) (Bham WSFO)	Rainfall (inches) (Bham AP ASOS)	Rainfall (inches) (Pinson)
2-year	4.09	4.1	4.12	4.11
5-year	4.97	4.99	5.02	4.99
10-Year	5.82	5.83	5.85	5.8
25-Year	7.18	7.15	7.13	7.02
100-Year	9.71	9.56	9.39	9.15



As a part of the City's requirements for post-construction storm water runoff management, all project sites shall be responsible for ensuring, to the MEP, that post-development runoff mimics pre-development hydrology for the 2-year, 5-year, 10-year, and 25-year rainfall depths listed in Table 1. All storm water detention or retention facilities must be able to convey the peak flow rate associated with a 100-year, 24-hour storm event. The Owner and/or Developer shall ensure, to the MEP, that installation of post-construction BMPs shall not adversely impact and/or cause flooding of properties located upstream and downstream of post-construction BMPs.

As a part of the City's requirements for post-construction storm water runoff management, all project sites shall be responsible for ensuring, to the MEP, that post-development runoff mimics pre-development hydrology for the 2-year, 5-year, 10-year, 25-year, 50-year and 100-year rainfall depths listed in Table 1. All storm water detention or retention facilities must be able to safely convey the routed peak flow rate associated with the 100-year, 24-hour storm event. The Owner and/or Developer shall ensure, to the MEP, that installation of post-construction BMP's shall not adversely impact and/or cause flooding of properties located upstream and downstream of post-construction BMP's.

SAVINGS CLAUSE; SEVERABILITY. Should any section, paragraph, sentence, clause, or phrase of this ordinance, or its application to any person or circumstance, be declared unconstitutional or otherwise invalid for any reason, or should any portion of this ordinance be preempted by state or federal law or regulation, such decision or pre-exemption shall not affect the validity of the remaining portions of this Ordinance or its application to other persons or

circumstances.

EFFECTIVE DATE. That this Ordinance shall become effective immediately upon its adoption and posting or by it otherwise becoming a law.



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Alvin Currington, Council President

Approved this 18<sup>th</sup> day of April 2020




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Stan Hogeland, Mayor

CERTIFICATION

I, Melissa Honeycutt, City Clerk of the City of Gardendale, Alabama, do hereby certify that the foregoing is a true and correct copy of an Ordinance that was duly and legally adopted on the 18th day of May 2020, by the City Council of the City of Gardendale, Alabama, while in a regular session and was posted in its entirety as required by law on 5/19, 2020.



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Melissa Honeycutt