

**VERNAL CITY  
ORDINANCE 2021-19**

**AN ORDINANCE OF THE VERNAL CITY COUNCIL AMENDING THE VERNAL CITY MUNICIPAL CODE, AMENDING STORM WATER PROVISIONS BY REPEALING SECTION 16.06.060 - PROVISION FOR STORM DRAINAGE - RETENTION ON OWN PROPERTY, AND ADDING SECTION 16.18.300 - STORM WATER MANAGEMENT.**

**WHEREAS**, the City Council finds that the regulation of storm water for new development is necessary for orderly growth and conduct of business within the City; and,

**WHEREAS**, the City Council deems it to be in the best interest of the health, safety and welfare of the citizens to incorporate the following changes to the provisions of the Vernal City Code; and,

**WHEREAS**, the City Council has received input from the public at large in duly noticed open meetings, and has considered and discussed the advantages and disadvantages of such regulation.

**NOW THEREFORE**, be it ordained by the Council of the City of Vernal, in the State of Utah, as follows:

**SECTION 1: AMENDMENT** “Section 16.06.060 Provision For Storm Drainage -- Retention On Own Property” of the Vernal Municipal Code is hereby amended as follows:

**REPEALED**

~~**Section 16.06.060 Provision For Storm Drainage -- Retention On Own Property**~~

~~All commercial, institutional or industrial development, construction, reconstruction, alteration, All commercial, institutional or industrial development, construction, reconstruction, alteration, or expansion which generates any storm drainage proposing a master site plan or any multiple-family housing development containing (5) or more units, or row house development, or any subdivision creating public or private roadways, shall be required to convey and retain all storm water drainage on its own property at a design rainfall volume and peak discharge in accordance with a twenty-four (24) hour storm duration with a one hundred (100) year return period. Calculations shall be based on standard engineering methods, or if computer modeling is used, Natural Resource Conservation Service (Soil Conservation Service) methods Tr 20 or Tr 55 using a type II rainfall distribution curve. Rainfall depths used shall be in accordance with National Atmospheric & Oceanic Administration estimates for the Vernal Airport. Conveyance shall be designed and constructed in such a fashion as to prevent private~~

b. For drainage areas under 1 acre, the Modified Rational Method is acceptable.

$$Q = C \times I \times A$$

Q = Peak Flow [CFS]

A = Area in acres

C = Rational runoff Coefficient [unitless]

I = Intensity [inches/hour]

$$\text{Vol Runoff} = Q \times \text{Storm Duration}$$

c. Natural Resource Conservation Service (Soil Conservation Service) method for computing runoff volume is also acceptable.

3. The storm water system shall be maintained, at all times, to operate at its original design capacities.

4. The lowest grade in all retention basin devices and basins, above or below ground, shall be a minimum of two (2) feet above the existing average water table at the site of the device or basin.

#### 5. The Above Ground Retention

a. The maximum slope in any part of an above ground retention device or basin shall be 3:1.

b. All water must dissipate from all above ground storage areas devices or basins within seventy-two (72) hours.

c. Above ground retention areas and basins shall be landscaped in accordance with Section 16.27.

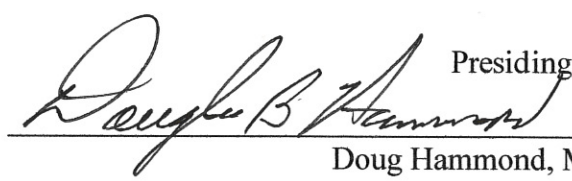
#### 6. Storm Water Conveyance



a. Conveyance shall be designed and constructed in such a fashion as to prevent private property and infrastructure from being damaged during the storm event.

b. Surface drainage shall not cross pedestrian walkways.

PASSED AND ADOPTED BY THE VERNAL COUNCIL THIS 15<sup>th</sup> DAY OF September 2021.

	AYE	NAY	ABSENT	ABSTAIN
Councilmember Nicholas Porter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Travis Allan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Dave Everett	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Bert Clark	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Ted Munford	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

  
Presiding Officer  
\_\_\_\_\_  
Doug Hammond, Mayor

ATTEST:  
  
Roxanne Behunin, City Recorder  
  
(SEAL)