

RESOLUTION 80-100

A RESOLUTION ESTABLISHING A POLICY FOR CONTROLLING STORM WATER MANAGEMENT WITHIN THE CITY OF LEWISTON, IDAHO; SETTING FORTH A STORM WATER MANAGEMENT PROGRAM FOR THE CITY; AUTHORIZING THE CITY STAFF TO ENFORCE THE AFORESAID POLICY AND PROGRAM; AND PROVIDING EFFECTIVE DATE.

BE IT RESOLVED BY THE CITY COUNCIL OF LEWISTON, IDAHO, AS FOLLOWS:

SECTION 1: For the purposes of this Resolution, the following definitions shall apply:

Storm Water Management: A system of engineering practices related to the design of storm water control including detention, storage, transportation, disposal, discharge, collection and prediction of rainfall.

Storm Water: Water resulting from precipitation either in the form of rain, snow, sleet, or hail.

Run off: Precipitation or storm water that falls to earth and is not immediately absorbed into the soil surface.

Detention: Temporary impoundment of surface run off water or storm water either in natural or manmade depressions, pipes, ponds, ditches, etc.

Erosion: The loss or movement of soil caused by run off of storm water or precipitation.

Drainage Area: Water shed (acreage) contributing surface water to and including the subject property.

Drainage Ditch: A ditch or depression constructed for the purpose of carrying surface water run off.

Drainage Plan: A plan for receiving, handling, transporting, and disposing of surface water on the subject property.

Drainage Way: A more or less natural depression through which water tends to flow whenever run off occurs.

Rain Fall Event: Statistical frequency of a predicted rain fall which may be expected to be equaled or exceeded within a specific number of years; i.e., a Fifty (50) year storm or rain fall event is one that can be expected to be equaled or exceeded once every Fifty (50) years. Generally, the longer the period of storm frequency, the greater the storm intensity and run off.

SECTION 2: It is hereby declared by the Lewiston City Council that a policy for controlling storm water run-off, utilizing the concept and goal of "Zero Run Off" is hereby established for the City of Lewiston. The concept of Zero Run Off and the goal of this policy is that no more storm water will be allowed to run off a developed piece of land than would have run off had the land remained undeveloped.

SECTION 3: The purpose of the policy of "Zero Run Off" is hereby declared to provide a method for the control of storm water run off from land within or tributary to the City of Lewiston in such a manner as to minimize damage to public and private property from erosion and flooding through a system of storm water management techniques that use, to the fullest extent possible, the absorptive capacity of the soil within the drainage areas.

SECTION 4: In applying the policy of "Zero Run Off", the City Council hereby directs the City staff to employ the following guidelines:

Storm water shall be disposed of as near as possible to the point where it fell. Only that water in excess of the absorptive capabilities of the area soil will be allowed to run off.

Storm water that is allowed to run off shall be diverted through a system of surface drainage ditches, drainage ways, pipes, culverts, and other appurtenances in such a manner and at such a rate as to eliminate downstream flooding and erosion.

All drainage ways, depressions, draws, and intermittent stream beds are to be identified and protected from development in order that their absorptive capacity may be used for storm water run off disposal.

All topographic features and soil conditions shall be used to their greatest advantage in controlling and disposing of storm water run off.

The concept of "Major"/"Minor" storm water management facilities shall be applied. All Major facilities shall be designed to handle the run off from a One Hundred (100) year frequency storm without significant damage to private or public property.

All Minor systems shall be capable of handling the run off from a Ten (10) year frequency storm without inconvenience to City residents or visitors.

SECTION 5: The City Council hereby establishes and adopts as a basic policy of the City a storm water management program as follows:

1. Storm water management facilities and techniques shall be incorporated into all new subdivisions and developments within the City of Lewiston, including commercial

developments, multi-family developments, and residential developments where FIVE THOUSAND SQUARE FEET (5,000 sq. ft.) or more of the lot is covered by impervious surfaces or where located in a natural drainage draw.

2. All subdivisions, commercial, or industrial developments, and multi-family developments shall provide on-site storm water management facilities to contain, detain, retain, or otherwise dispose of on-site, the calculated run off water from a Ten (10) year frequency storm or rain fall event.

3. All methods of handling or disposing of storm water shall meet the approval of the City Engineer. Methods used may include but shall not be limited to:

- A. Detention basins with adequate spillways or overflow facilities and properly designed embankments.
- B. Subsurface disposal facilities including drain fields, dry wells, seepage beds, evapotranspiration systems, percolation basins, infiltration basins, etc.
- C. Parking lot and/or roof top storage.
- D. Settling ponds and lakes combined with suitable landscaping.
- E. Holding tanks, surface or subsurface.
- F. Catch basins.
- G. Storm sewers including pipes, manholes, inlets and outfalls.
- H. Drainage swales, ditches, ways, etc.

4. Design of stormwater management facilities shall use the Rational Method for determining run off unless some other method is specifically approved by the City Engineer. All storm drainage facilities shall be designed by a Licensed Professional Engineer. Engineering plans shall be submitted along with all reports and necessary calculations used to determine sizes and volumes to the City Engineer for review and approval.

The Rational Method is explained below and shall make use of the following charts, tables and graphs:

$$Q = CiA$$

Where Q equals the peak run off (measured in cubic feet per second).

"C" equals the run off coefficient representing the characteristics of the drainage area assuming unfrozen conditions.

"i" equals the average rain fall intensity in inches per hour for a duration of time equal to the time of concentration.

"A" equals the size of the drainage area in acres.

5. All detention facilities will be operated and maintained by the owner or developer unless and until officially accepted by the City.

Acceptance shall be based upon:

- A. Certification by Design Engineer that facilities were constructed as designed and approved.
- B. Dedication of all drainage ways, easements, or rights-of-way as part of a public storm management facility.

C. Approval of the construction by the
City Engineer.

SECTION 6: The Department heads and staff of
the City of Lewiston, Idaho, are hereby authorized and di-
rected to enforce the aforesaid policy and program and to
obtain compliance therewith through the City's Subdivision
Ordinance, City standards, specifications, regulation of
building permits and any other authority delegated to them.

SECTION 7: This Resolution shall take effect and
be in full force from and after its passage and approval.

DATED this 21st day of July, 1980.

CITY OF LEWISTON:

By: Delitha Kilgore Mayor
Delitha Kilgore

ATTEST: Janice B. Speicher City Clerk
Janice B. Speicher