



MEMORANDUM

City of Grand Junction, Colorado
250 North Fifth Street
81501-2668
FAX: (303) 244-1599

DATE: July 6, 1994
TO: All Interested Parties
FROM: Don Newton, City Engineer *DN*
SUBJ: Final Draft of the City of Grand Junction Stormwater Management Manual

In July, 1992, the Grand Junction Public Works Department made available the "Interim Outline of Grading and Drainage Criteria" manual. The purpose of this manual was to provide minimum criteria for estimating storm runoff and designing drainage facilities within the City of Grand Junction.

A new Storm Water Management Manual (SWMM) has been written to replace the Interim Manual. SWMM is more comprehensive and hopefully more "user friendly" than the Interim Manual.

Feedback and comments received from users of the interim manual have also been incorporated into the SWMM.

Please note that appendices H, I, J, T, and Q are incomplete. Additions to these appendices will be made available as time and resources permit.

We would appreciate it if you would have a representative from your company come by our office and exchange the Interim Manual for a copy of the new manual. There will be no charge to those who have already purchased the Interim Manual. There is a charge of \$25.00 per copy for anyone who does not already have the Interim Manual.

A public hearing will be held at the Grand Junction Planning Commission meeting on August 2, 1994 to recommend City Council adoption of the SWMM manual to become Section 5-6-1 of the City of Grand Junction Zoning and Development Code. Adoption of the SWMM by City Council is on the agenda of the regular City Council meeting to be held on August 17, 1994.

We would appreciate your written comments on the SWMM by July 25, 1994 so comments can be addressed prior to the August 2 Planning Commission hearing.

skw

STAFF REVIEW

FILE: #127-94
DATE: July 26, 1994
STAFF: Kathy Portner
REQUEST: Adoption of Storm Water Management Manual (SWMM)

APPLICANT: City of Grand Junction

STAFF ANALYSIS:

The Stormwater Management Manual (SWMM) clarifies and consolidates into one document current City policy and ordinances pertaining to stormwater runoff. It presents an overview of federal, state, and local regulations pertaining to stormwater law and water quality, and also floodplain regulations. The Manual also contains grading and drainage criteria, much of which was also contained in the "Interim Outline of Grading and Drainage Criteria" (July, 1992). Information on the Drainage Fee ordinance and option is also presented as well as other information to clarify drainage requirements within the City of Grand Junction.

The manual was developed with input from the development community. The final draft of the document was made available to approximately 25 engineers, consultants and developers for review. Comment has not been received from any of the reviewers.

STAFF RECOMMENDATION:

Staff recommends approval.

RECOMMENDED PLANNING COMMISSION MOTION:

Mr. Chairman, on item #127-94, Storm Water Management Manual, I move we forward this onto City Council with a recommendation of approval for adoption.



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Date: August 2, 1994

To: Recipients of the City of Grand Junction, Storm Water Management Manual (SWMM) dated June, 1994

From: Don Newton, City Engineer *JDN*

Subject: Revisions to SWMM as of August 2, 1994

The following corrections and revisions are recommended prior to final adoption of the Storm Water Management Manual:

1. On Figure VIII-4, page VIII-7 and Figure N-3, page N-10 make the following changes:

Under "STEEPEST S1:", Revise the first line to: 4H:1V ALL SURFACES.

Delete the second and third lines which are: 3H:1V FOR SOD SURFACES and 2H:1V FOR RIPRAP OR APPROVED GROUND COVER.

Revise the fourth line to: SPECIAL APPROVAL IS REQUIRED FOR RETAINING WALLS OR VERTICAL WALLS USED IN CONJUNCTION WITH OR AS PART OF A DETENTION OR RETENTION BASIN.

Under "MINIMUM D: 4' WET PONDS" add the following: (SEE PAGE VIII-1).

2. On page X-3, Under Type III CURB RETURN, delete column C. Eliminate point C and replace point C with B on the sketch.

Add the following sentence to the Figure: ALL ELEVATIONS SHOWN ARE RELATIVE TO POINT A.

3. On page X-1, Table "X-1", change the second row on the table, Longitudinal gutter slope from 6% maximum to 8% maximum.

Add the following paragraph after table "X-1":

For unsignalized intersections, the maximum allowable grade in the intersection is 4%, and extends a minimum of 50 feet in each direction from the outside edge of traveled way on the intersecting street. At signalized intersections, the maximum grade is 2% within the intersection and for 200 feet in each direction.

4. On page H-8, relocate the last line to the end of paragraph b. on the same page.

5. On page S-8, eighth line from the top of the page, replace the word "Nike" with the word "Dike".

on the third line from the bottom of the page move the term "ASCE" to the end of the line.

6. On page VIII-6, add paragraph 8. as follows:

Ground Cover All dry detention and retention basins shall be seeded with native grasses or other approved ground cover after final grading has been completed. The planting of trees and shrubs is also encouraged on the slopes of storm water basins subject to review and approval.