



FMG. INC. 3700 Sturgis Road, Rapid City, South Dakota 57702-0317 605/342-4105
FAX 605/342-4222

January 7, 2008

Brad Solon
Building Official
City of Rapid City
300 Sixth Street
Rapid City, SD 57701

RE FLOODPLAIN PERMIT APPLICATION
PROPOSED RAPID CITY DIRT JUMP PARK

Dear Brad:

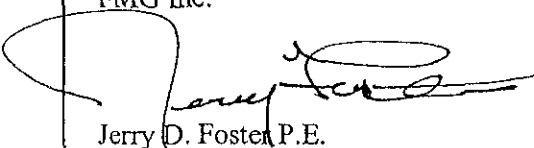
On behalf of our Client; Tim Rangitsch, we have prepared a Floodplain Development Permit Application for the proposed Rapid City Dirt Jump BikePark. Please find attached the Floodplain Permit Application and Floodplain Permit Drawings.

Following are items that are brought to your attention.

- Our Scope of Work is specifically limited to the Floodplain Development Permit Application. Please contact Tim Rangitsch (Acme Bicycles at 605-343-9534) if you have any questions that are not floodplain related. Travis Tegethoff in the Growth Management Department is also aware of the project and may be able to answer questions also.
- The rear side of the Floodplain Permit has not been completely filled out. Since the project is on City land we are unsure of the applicant.
- We have estimated the cost of the project as No Cost as it is our understanding this will be a volunteer type project. If a cost is needed please contact Tim Rangitsch.
- The Drawing Cover sheet has additional General Notes related to the Floodplain Development Permit Drawings.

Sincerely,

FMG Inc.


Jerry D. Foster P.E.

Enclosures

CC: Tim Rangitsch
File 9028

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**Rapid City Growth
Management Department**

FLOOD PLAIN DEVELOPMENT PERMIT APPLICATION

DESCRIPTION OF PROPOSED WORK

- | | | |
|--|---|---|
| <input type="checkbox"/> Residential | <input checked="" type="checkbox"/> Non-Residential | <input type="checkbox"/> Mobile Home |
| <input type="checkbox"/> New Construction | <input type="checkbox"/> New Construction | <input type="checkbox"/> Single Lot |
| <input type="checkbox"/> Addition/Improvements | <input type="checkbox"/> Addition/Improvements | <input type="checkbox"/> MHP/MHS |
| <input type="checkbox"/> Subdivision | <input checked="" type="checkbox"/> Grading/Fill | <input type="checkbox"/> Watercourse Alteration |
| | | <input type="checkbox"/> Other |

Attach the following information: Plans drawn to scale showing the nature, dimension and elevations of the area in question; existing or proposed structures, fill, storage materials, drainage facilities; and the location of the foregoing.

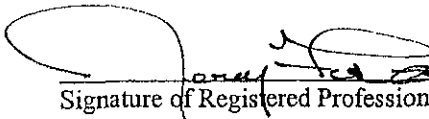
Specifically, the Following Information is Required:

- The proposed development is located in the Floodway 100-Year Flood Plain Not located in the Floodway or the 100-Year Flood Plain.
- Firm Panel # 465420 000 1F 3F 4F 6F 8F 9G 11F 12F 16F 17G
Map Date/Index Date 2-16-96 / 2-18-98 Source: _____
- Base Flood Elevation SEE ATTACHMENT Datum/BM: SEE ATTACHMENT
Existing Ground Elev. " " Datum/BM: " "
Finish Ground Elev. " " Datum/BM: " "
- ✓ Attach copy of firm with site identified.
- Estimated cost of proposed development: NO COST - DONATIONS

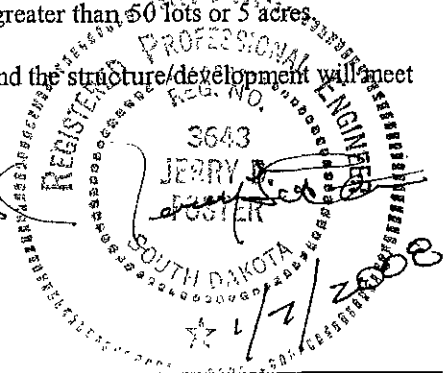
Complete or Attach the Following if Applicable to this Project:

- ✓ Plans of the development to be undertaken, including any filling and any watercourse or drainage alteration;
- Mean seal level (MSL) elevation of the lowest floor (including basement) of all existing & proposed structures;
- MSL elevation to which any proposed structure will be flood proofed;
- Certification by a registered professional engineer that the flood proofing method meets the community flood proofing criteria;
- A description of the extent to which any watercourse will be altered or relocated, included hydraulic calculations; and
- Base (100-year) flood elevation data for a development or subdivision greater than 50 lots or 5 acres.

I certify to the best of my knowledge that the above information is correct and the structure/development will meet all applicable requirements of the Flood Area Construction Regulations.


Signature of Registered Professional Engineer/Surveyor

303643
Professional License Number



TO BE COMPLETED BY FLOOD PLAIN ADMINISTRATOR

- PERMIT IS APPROVED.** I have reviewed the plans and materials submitted in support of the proposed development and find them in compliance with applicable Flood Plain Management Standards.
- PERMIT IS DENIED.** The proposed development is not in conformance with applicable Flood Plain Management Standards (explanation below).

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Comments: _____

Flood Plain Administrator

Date

Rapid City Growth
Management Department

NOTE: A FEMA Elevation Certificate shall be filed by owner's professional representative prior to final inspection (residential) or certificate of occupancy for commercial and industrial permits.

08SR005

RM9 3,281.670

Mark is a brass cap located at the southeast end of the railing on the Sheridan Lake Road bridge over Rapid Creek.

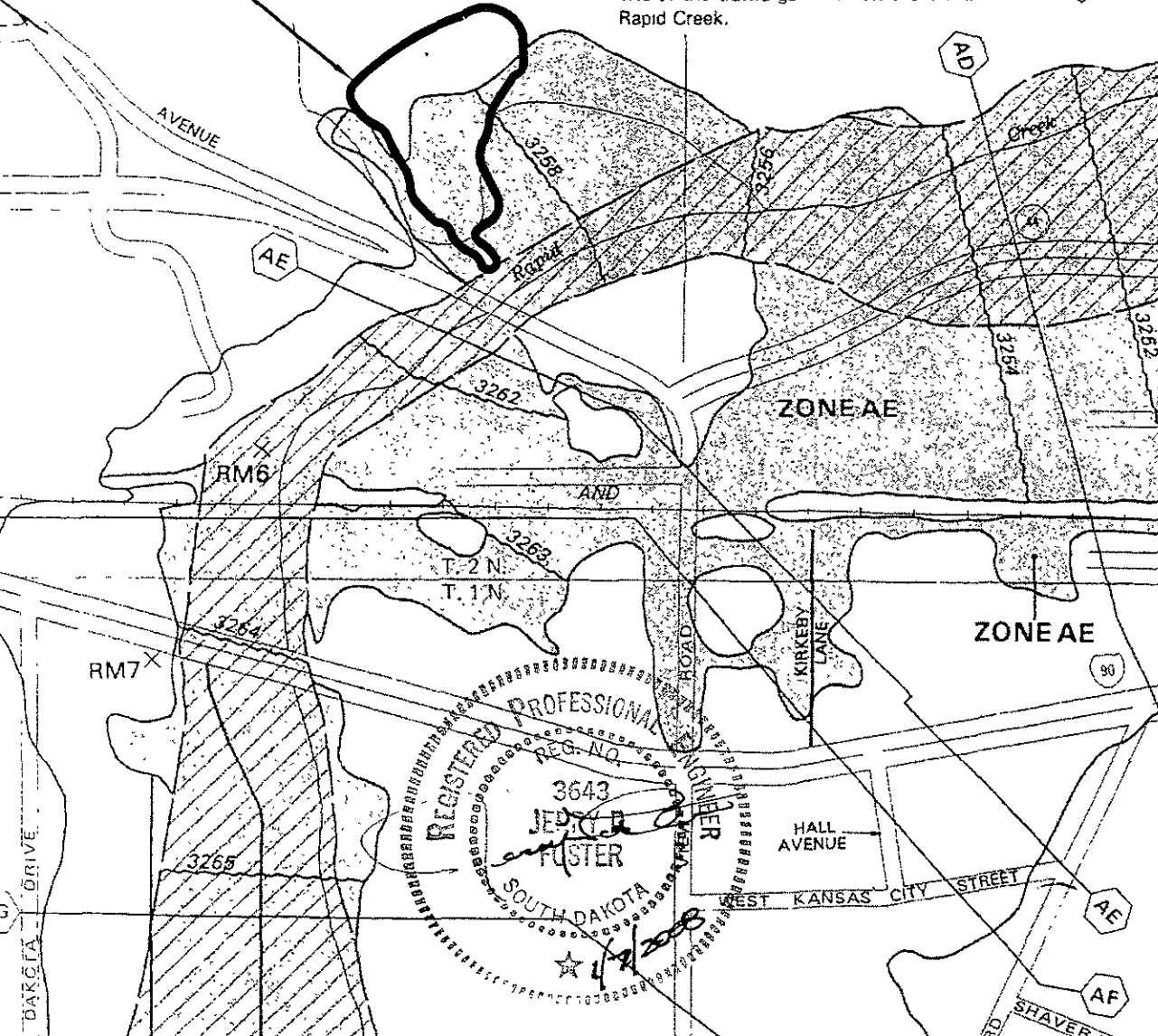
RM10 3,300.820

Mark is a brass cap located southwest of the intersection of Jackson Boulevard and Sheridan Lake Road.

RM11 3,305.188

Mark is a brass cap located at the southwest corner at the end of the traffic guardrail on the 32nd Street bridge over Rapid Creek.

PROJECT SITE



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APPROXIMATE SCALE IN FEET
400 JAN 24 2008 400

Rapid City Growth Management Department

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

CITY OF RAPID CITY, SOUTH DAKOTA PENNINGTON COUNTY

(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER 465420 0004 F

MAP REVISED: FEBRUARY 16, 1996



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps, check the FEMA Flood Map Store at www.fema.gov.



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ATTACHMENT TO FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

**FLOODPLAIN ELEVATION INFORMATION
FOR RAPID CITY DIRT JUMP BIKEPARK**

Notes Regarding Data Sources:

1. All existing ground elevation is from City Aerial contours.
2. Lowest elevation at proposed features assumed same as existing elevation.
3. Top elevation of proposed features based on typical detail height added to existing ground elevation.
4. BFE interpolated from FEMA Panel 465420 0004F

BFE Location #1

This location is the berm at the northeast end of the Table Tops and is the most downstream location at the site.

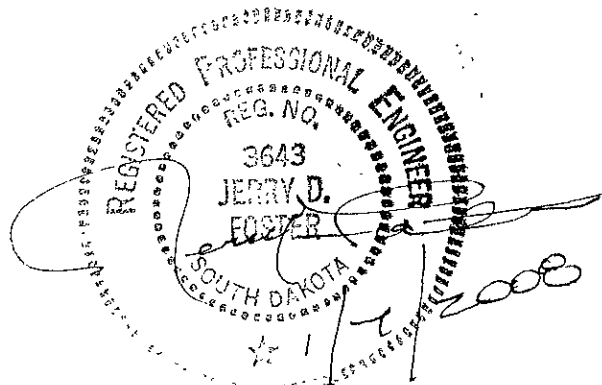
Existing ground = 3254.0
Bottom of Proposed Berm = 3254.0
Top of Proposed Berm = 3257.0
BFE = 3257.2

BFE Location #2

This location is the series of berms at the southeast end of the Intermediate & Beginner Table Tops, Rollers and Log Ride.

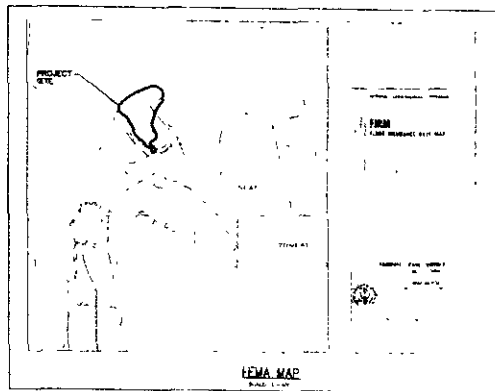
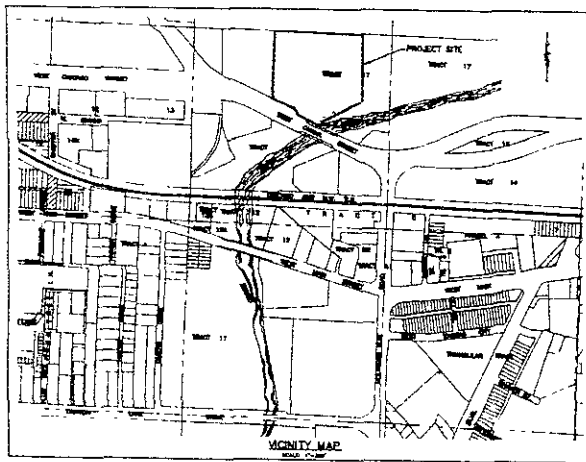
Existing ground = 3254.0
Bottom of Proposed Berms = 3254.0
Top of Proposed Berms 3257.0
BFE = 3258.8

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Rapid City Growth
Management Department



FLOODPLAIN DEVELOPMENT PERMIT APPLICATION DRAWINGS

**RAPID CITY DIRT JUMP BIKE PARK
GREENWAY TRACT 17
RAPID CITY, SOUTH DAKOTA**

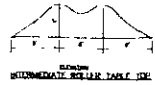
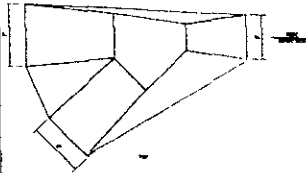
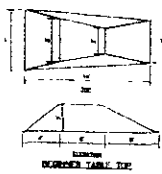
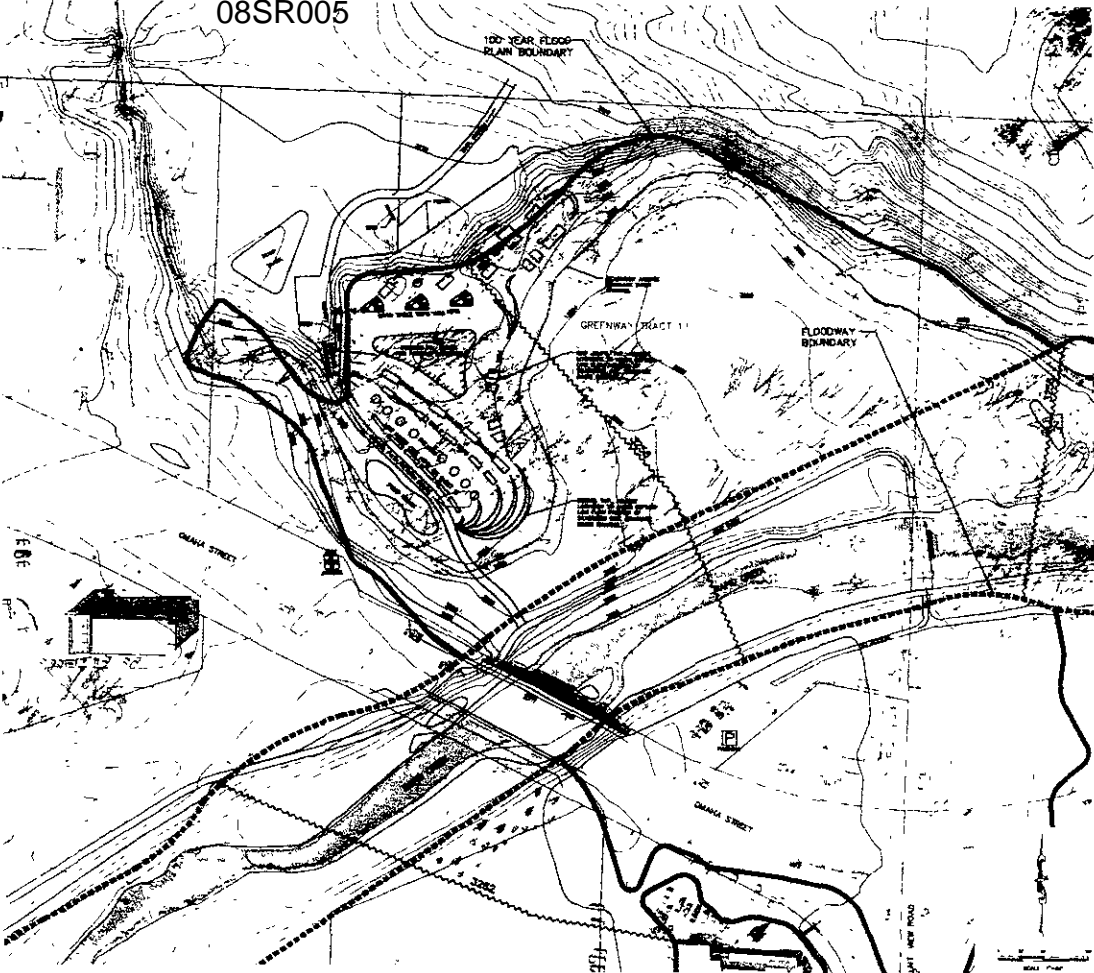


GENERAL NOTES

- 1. SITE LOCATION, PROPERTY, AND SURROUNDINGS.**
ALL FLOODPLAIN DEVELOPMENT SHALL BE SUBJECT TO THE CITY OF RAPID CITY, SOUTH DAKOTA, AND THE STATE OF SOUTH DAKOTA, AND THE FEDERAL GOVERNMENT.
- 2. SITE LOCATION, PROPERTY, AND SURROUNDINGS.**
THE PROPERTY BOUNDARY, FRONT AND REAR, IS SHOWN ON THE SURVEY MAP ATTACHED TO THESE PLANS. THE CITY OF RAPID CITY, SOUTH DAKOTA, HAS REVIEWED THE SURVEY MAP AND HAS NO OBJECTION TO THE SURVEY MAP. THE SURVEY MAP IS SUBJECT TO THE CITY OF RAPID CITY, SOUTH DAKOTA, AND THE STATE OF SOUTH DAKOTA, AND THE FEDERAL GOVERNMENT.
- 3. SITE LOCATION, PROPERTY, AND SURROUNDINGS.**
THE PROPERTY BOUNDARY, FRONT AND REAR, IS SHOWN ON THE SURVEY MAP ATTACHED TO THESE PLANS. THE CITY OF RAPID CITY, SOUTH DAKOTA, HAS REVIEWED THE SURVEY MAP AND HAS NO OBJECTION TO THE SURVEY MAP. THE SURVEY MAP IS SUBJECT TO THE CITY OF RAPID CITY, SOUTH DAKOTA, AND THE STATE OF SOUTH DAKOTA, AND THE FEDERAL GOVERNMENT.

08SR005

100 YEAR FLOOD
PLAIN BOUNDARY



FMG, Inc.
 2700 Bluffs Road
 Rapid City, SD 57702-1111
 Phone: 605.342.1234 Fax: 605.342.1235



NO.	DESCRIPTION	DATE
1	Issue for Review	11/11/11
2	Issue for Review	11/11/11
3	Issue for Review	11/11/11
4	Issue for Review	11/11/11
5	Issue for Review	11/11/11
6	Issue for Review	11/11/11
7	Issue for Review	11/11/11
8	Issue for Review	11/11/11
9	Issue for Review	11/11/11
10	Issue for Review	11/11/11

RAPID CITY DIRT JUMP BIKE PARK
GREENWAY TRACT 17
RAPID CITY, SOUTH DAKOTA

FLOODPLAIN
 FORMING
 MAP