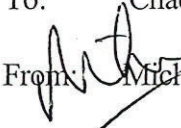


**Memorandum**  
**Routt County Environmental Health Department**

To: Chad Phillips, Routt County Regional Planning Commission

From:  Michael J. Zopf, Routt County Department of Environmental Health

Subject: Phippsburg Water Project Floodplain Development Permit

Date: May 7, 2003

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Attached please find the Floodplain Development Permit Application for the Phippsburg Water Project. Please do not hesitate to call me if I can provide any other information. I would appreciate receiving the two blueprints back if they are not needed for your records.

Thank you for your consideration of this application.

File in  
PP2003-059  
PDev 012  
P72 004

# FLOODPLAIN DEVELOPMENT PERMIT

## APPLICATION INFORMATION

DATE: May, 7, 2003

PARCEL No: undetermined

OWNER: Routt County Commissioners c/o RCDEH PERMIT No.:

ADDRESS: Phippsburg, Colorado

TELEPHONE: 879-0185

CONTRACTOR: undetermined

TELEPHONE: n/a

ADDRESS: RCDEH, PO Box 770087, Steamboat Springs, CO 80477

PROJECT LOCATION/DIRECTIONS:

Portions of Sections 16 and 17, T3N, Range 85 W of the 6<sup>th</sup> P.M.

## PROJECT DESCRIPTION

☐ SINGLE FAMILY RESIDENTIAL

☐ NEW CONSTRUCTION

☐ CHANNELIZATION

☐ MULTI-FAMILY RESIDENTIAL

☐ SUBSTANCIAL IMPR.

☐ FILL

☐ MOBILE HOME

☒ IMPROVEMENT < 50%

☐ BRIDGE/CULVERT

☐ NON-RESIDENTIAL

☐ REHABILITATION

☐ LEVEE

OTHER/EXPLANATIONS:

The project consists of two parts:

- Construction of new Water Treatment Plant (WTP) Building to include filtration system, chemical storage, chemical feed equipment and process control equipment.
- Expansion of existing alluvial well approximately 17 feet deep by 100 feet long.

## FLOOD HAZARD DATA

WATERCOURSE NAME: Yampa River

THE PROJECT IS LOCATED WITHIN THE

**X FLOOD FRINGE**

BASE (100-YEAR) FLOOD ELEVATION AT PROJECT SITE IS: 7,430

ELEVATION REQUIRED FOR LOWEST FLOOR IS: 7,432

FLOODPROOFING MEASURES: Infiltration Gallery-100 year flood elevation=7,430

top of existing grade at gallery pit=7,432.3 (+2.3 feet)

top of well=7,434.64 (+4.64 feet)

WTP Building-100 year flood elevation=7,430

Floor elevation = 7,433.5 (+3.5 feet)

## SOURCE DOCUMENTS/REPORTS/MAPS:

No floodplain maps exist for the project area. 100 year flood certification was provided by Dismuke and Dismuke Inc. (now civil Design Consultants, Inc.) in document dated July 10, 1979 by Chuck Sundby, P.E. This was required when the system was originally constructed in 1979/80. (copy attached)

## PROPOSAL REVIEW CHECKLIST

- ☐ SITE DEVELOPMENT PLANS DEPICT THE FLOODWAY AND BASE FLOOD ELEVATIONS?
- ☐ ENGINEERING DATA IS PROVIDED FOR MAP AND FLOODWAY REVISIONS?
- ☐ FLOODWAY CERTIFICATION AND DATA DOCUMENTING NO INCREASE IN FLOOD LEVELS?
- ☐ SUBDIVISION PROPOSALS MINIMIZE FLOOD DAMAGE AND PROTECT UTILITIES?
- ☐ LOWEST FLOOR ELEVATIONS ARE ABOVE THE BASE (100-YEAR) FLOOD LEVEL?
- ☐ MOBILE HOMES ARE ELEVATED AND ADEQUATELY ANCHORED?
- ☐ NON-RESIDENTIAL FLOODPROOFING DESIGNS MEET NFIP WATER-TIGHT STANDARDS?
- ☐ OTHER:

## PERMIT ACTION

- ☒ **PERMIT APPROVED:** THE INFORMATION SUBMITTED FOR THE PROPOSED PROJECT WAS REVIEWED AND IS IN COMPLIANCE WITH APPROVED FLOODPLAIN MANAGEMENT STANDARDS (SITE DEVELOPMENT PLANS ARE ON FILE).
- ☐ **PERMIT DENIED:** THE PROPOSED PROJECT DOES NOT MEET APPROVED FLOODPLAIN MANAGEMENT STANDARDS (EXPLANATION IS ON FILE).
- ☐ **VARIANCE GRANTED:** A VARIANCE WAS GRANTED FROM THE BASE (100-YEAR) FLOOD ELEVATIONS ESTABLISHED BY FEMA CONSISTENT WITH VARIANCE REQUIREMENTS OF NFIP REGULATIONS PART 60.6 (VARIANCE ACTION DOCUMENTATION IS ON FILE).

  
FLOODPLAIN ADMINISTRATOR'S SIGNATURE

6/19/3  
DATE

## DEVELOPMENT DOCUMENTATION

- ☐ **MAP REVISION DATA.** CERTIFIED DOCUMENTATION BY A REGISTERED PROFESSIONAL ENGINEER OF AS-BUILT CONDITIONS FOR FLOOD PLAIN ALTERATIONS WERE RECEIVED AND SUBMITTED TO FEMA FOR A FLOOD INSURANCE MAP REVISION.
- ☐ **FILL CERTIFICATION.** A COMMUNITY OFFICIAL CERTIFIED THE ELEVATION, COMPACTION, SLOPE, AND SLOPE PROTECTION FOR ALL FILL PLACED IN THE FLOODPLAIN CONSISTENT WITH NFIP REGULATIONS PART 65.5 FOR FLOOD INSURANCE MAP REVISIONS.
- ☐ **ELEVATION CERTIFICATE.** CERTIFIED AS-BUILT ELEVATION OF THE BUILDING'S LOWEST FLOOR \_\_\_\_\_; FLOODPROOFING LEVEL \_\_\_\_\_. AN ELEVATION CERTIFICATE (PART II) COMPLETED BY A REGIS. PROFESSIONAL ENGINEER OR LAND SURVEYOR CERTIFYING THIS ELEVATION IS ON FILE.
- ☐ **CERTIFICATE OF OCCUPANCY OR COMPLIANCE ISSUED** \_\_\_\_\_  
DATE \_\_\_\_\_

Certification Form

FROM: Dismuke & Dismuke, Inc.  
(Name of Engineer)  
Box 626  
(Address)  
Steamboat Springs, Co 80477

TO: Water Quality Control Division  
Colorado Department of Health  
4210 E. 11th Ave.  
Denver CO 80220

Date: July 10, 1979

Re: 100-YEAR FLOOD THREAT TO WATER WELL OR WATER TREATMENT PLANT

County: Route

C E R T I F I C A T I O N

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I hereby certify that I have checked all available flood plain data from such agencies as: Colorado Water Conservation Board, U. S. Army Corps of Engineers, Housing and Urban Development, County Government, Local Flood District, etc. regarding the potential 100-year flood threat to the Well and Chlorination (well or treatment plant)  
Building for Community of Phippsburg Water & Sanitation District  
(name of entity or district, etc.)

I further certify that these water works, as located, are not subject to flood damage by a 100-year flood.

Charles F. Sundry Project Engineer  
(Signature and title)

NOTE: One copy of this Certificate must accompany all plans, specifications and Request For Review forms for all water wells and/or water treatment works.