HYDROLOGY F13/D9 1 PLAN

F13/D9

1 Plan

**City of Albuquerque**
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

**DESIGN HYDROLOGY SECTION**
**123 Central NW, Albuquerque, NM 87102**
**(505) 766-7644**

May 24, 1984

Mr. Thomas T. Mann, Jr.
Tom Mann and Associates, Inc.
811 Dallas NE
Albuquerque, NM 87112

REF: REVISED GRADING AND DRAINAGE PLAN FOR NUCLEAR PHARMACY (F13-D9)
RECEIVED MAY 2, 1984

Dear Tom:

The above referenced plan, dated April 18, 1984, is approved.

If I can be of further assistance, please contact me at 766-7644.

Sincerely yours,

Billy J. Goolsby

Billy J. Goolsby, PE
City/County Flood Plain Admin.

BJG:mrk

Tom Mann Associates, Inc.
Engineers
811 DALLAS, N.E. • ALBUQUERQUE • NEW MEXICO • 87110 • 505-265-5611

4022
April 19, 1984

RECEIVED
MAY 02 1984
HYDROLOGY SECTION

Billy Goolsby
Hydrology Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Grading and Drainage Plan for Nuclear Pharmacy (F13-D9)

Dear Billy:

I have received your letter dated April 10, 1984, concerning the Nuclear Pharmacy Grading and Drainage Plan. The following is my response to your questions.

At the extreme north~~east~~ west corner of the site, I have added two spot elevations and a swale to indicate that once the water level in the ponding area exceeds elevation 71.5, it will feed into the ditch adjacent to Montano Road. Since the finish floor elevations are at 73, this would give me a tremendous amount of head to feed out into the ditch. However, I do not think that this will be needed because, as you will note in the calculations, the required pond volume is 34,720 cubic feet, and we are in fact providing 56,400 cubic feet. We should be able to retain all the water from the 100-year storm on-site without the need for an emergency spillway. However, should the need arise, there is an outlet provided.

Your next question concerned the ditch adjacent to Montano Road. I cannot quantify the water that is in that ditch. It is virtually impossible to quantify that amount from the data available on the watersheds in that area. I can state, however, as shown in our calculations, that the existing land contributes approximately 6.5 cfs during the 100-year storm. Since we have provided ponding in excess of the 100-year storm with a six-inch outlet, we will only be releasing 1.2 cfs into the ditch, therefore, we have decreased the runoff into the ditch. That should help with any flooding that might occur to the west adjacent to the Griegos Drain.

I am sending a revised copy of the plan. As you will note, I have signed and dated the plan.

The water surface outline for the western edge of the pond is the curb along the service road. I am flooding out the roadway under extreme conditions. The curbing along the east side of the road will be constructed with openings every ten feet to allow the water to drain back across the road and into the pond system. This data is contained on the drawings.

I believe that we have responded to all of your comments and that this project is satisfactory, therefore, I am requesting your approval of the Grading and Drainage Plan. If you have any further questions or comments, please do not hesitate to call.

Thank you,

TOM MANN & ASSOCIATES, INC.

Thomas T. Mann, Jr., P.E.
President

TTM:ra
Attch.

**City of Albuquerque**
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

April 10, 1984

Mr. Tom Mann
Tom Mann & Associates, Inc.
811 Dallas NE
Albuquerque, NM 87110

REF: GRADING AND DRAINAGE PLAN FOR NUCLEAR PHARMACY (F13-D'9) RECEIVED MARCH 22, 1984

Dear Tom:

I have reviewed the above referenced plan and forward the following comments:

1. I am confused as to how the oulet system is to work. How will the flow cross the road at the service entrance for the building? Also, there are no grades or spot elevations given for the system. How will it drain?

2. The water surface limit is shown on the side against the building but, I cannot find it on the other side. Will water be ponded in the access road? Some T.C. elevations are lower than the proposed water surface elevation which tends to indicate that this is the case. How will the water get back into the outlet pipe?

3. The plan has not been signed or dated.

4. There isn't any mention of where the runoff goes in the roadside ditch or what the capacity and existing flows are.

Should you have any questions or comments, please contact me at 766-7644.

Sincerely yours,

Billy J. Goolsby

Billy J. Goolsby, PE
City/County Flood Plain Admin.

BJG:mrk

INFORMATION SHEET

PROJECT TITLE Nuclear Pharmacy TYPE OF SUBMITTAL _____

ZONE ATLAS PAGE NO. F13 CITY ADDRESS Montano Rd NW

LEGAL DESCRIPTION Tract 8-A, 1-A, 2B, 2A-1, MRGCD Map 31

ENGINEERING FIRM Tom Mann & Assoc CONTACT Tom Mann

ADDRESS 811 Dallas NE PHONE 265-5611

OWNER Nuclear Pharmacy CONTACT _____

ADDRESS _____ PHONE _____

ARCHITECT Dean & Hunt CONTACT Bill Weise

ADDRESS 204 Madeira PHONE 265-6676

SURVEYOR Gordon Douglas CONTACT Gordon Douglas

ADDRESS _____ PHONE _____

CONTRACTOR Unk. CONTACT _____

ADDRESS _____ PHONE _____

PRE-DESIGN MEETING:

✓ YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
✓ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING/PAVING PERMIT APPROVAL
___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 3/22/84

BY: Tom Mann

RECEIVED
MAR 22 1984
HYDROLOGY SECTION

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. F-13 DATE: 3/1/84

PLANNING DIVISION NO. _____

CONFERENCE RECAP

SUBJECT: Nuclear Pharmacy

| WHO | REPRESENTING |
|---|---|
| ATTENDANCE: Tom Mann | |
| Billy Goolsby | |

FINDINGS: ① Grading outside property not allowed without adjacent property owners concurrance.
② Controlled discharge required due to site being located in the valley area.
③ Discharge rate based on downstream capacity & outfall.

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED: Billy J. Goolsby SIGNED: T Mann

TITLE: CE/Hydrology TITLE: Pur

DATE: 3/1/84 DATE: 3/1/84

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