HYDROLOGY H14/D34 1 PLAN

H14/D34

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

December 12, 1984

Mr. Jeff Mortensen P.E.
Tom Mann & Associates, Inc.
811 Dallas NE
Albuquerque, New Mexico 87110

REF: GRADING AND DRAINAGE PLAN FOR BOB STATKUS WAREHOUSE
(H14-D34) STAMP DATED 10/02/84

Dear Jeff,

Based on the information provided on your November 15, 1984 resubmittal, the above referenced drainage plan is approved.

Please attach a copy of this approved plan along with the appropriately approved "Drainage Facilities within City Right-of-Way" document to the construction set prior to hydrology sign-off.

If you have any questions or comments, feel free to call me at 766-7644.

Sincerely yours,

Billy J. Goolsby

Billy J. Goolsby PE
Civil Engineer/Hydrology

BJG/BJM/cl

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

40971
November 9, 1984

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

Re: Grading and Drainage Plan for Bob Statkus Warehouse
(H14-D-34)

Dear Billy:

I am in receipt of your letter dated November 2, 1984 concerning the revisions to the subject project. I am fully aware of the rational behind the requirement that the property line grades be established at 0.33 feet above corresponding top of curb. Unfortunately, this is an existing site which is substandard by todays requirements i.e. the distance from property line to curb is approximately one foot. I have made an attempt to create a water block back on the property, however that would create problems with the existing structure which will remain due to the close proximity of that structure and would also make the low point of the site become a high point. Due to these physical contraints, the creation of a water block on the property is not a viable alternative.

As you may recall, we looked at the contributing watershed in your office on November 8, 1984. The contributing area is very small and there are no flooding problems identified by either the Albuquerque Master Drainage Study or the Flood Insurance Maps. It is based upon this that I believe that the depth of flow in Second Street N.W. is below top of curb and therefore would not back-up onto the property.

RECEIVED
NOV 15 1984
DESIGN HYDROLOGY
SECTION

Hopefully, this additional information will enable you to complete your review of this plan. If you should have any further questions or comments concerning this plan, please do not hesitate to call.

Sincerely,

TOM MANN & ASSOCIATES, INC.

Jeffrey G. Mortensen, P.E.
Vice-President

JGM:kl

RECEIVED
NOV 15 1984
DESIGN HYDROLOGY
SECTION

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

November 2, 1984

Mr. Jeff G. Mortensen, PE
Tom Mann & Associates, Inc.
811 Dallas NE
Albuquerque, NM 87110

REF: REVISED GRADING AND DRAINAGE PLAN FOR BOB STATKUS WAREHOUSE (H14-D34) RECEIVED OCTOBER 3, 1984

Dear Jeff:

I have reviewed the above referenced submittal and forward the following comment;

The purpose of requiring that the property line to be 0.33 feet above top of curb is to keep public water off private property.

The options as I see would be . . 1) to create the block back on the property at a distance that would allow a smooth riding access to the property; or . . 2) to analyze the depth of flow on Second Street and show that it would not back onto the property in question.

Should you have any questions or comments, please contact me.

Sincerely yours,

Billy J. Goolsby, PE
Civil Engineer/Hydrology

BJG:mrk

811 DALLAS, N.E. • ALBUQUERQUE • NEW MEXICO • 87110 • 505-265-5611

Tom Mann Associates, Inc. Engineers

40971
October 2, 1984

Mr. Carlos Montoya
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Bob Statkus Warehouse (H14-D34)

Dear Carlos:

In response to your letter dated September 25, 1984, I present the following information:

1. A complete information sheet with resubmittal designation.

2. I have redated my stamp.

3. The ponding limits have been adjusted to a point ten feet from the existing pavement within public right-of-way. This has slightly reduced the overall ponding capacity, however, the volume of ponding provided is close to that which is required.

4. It is not possible to obtain an elevation which is .33 feet above the adjacent top of curb at the property line due to the fact that there is only about one foot of distance between the curb and the property line. The elevations shown on the existing drivepad are existing elevations and cannot be changed. Reconstructing this drivepad would not only cost the owner additional money, but would also create an adverse cross slope across the drivepad which has been objectionable to the City Engineer in the past. It is because of this that I believe this requirement does not apply in this developed area and should be waived for this particular project.

5. An emergency spillway for such a small facility is not necessary, however, should the pond capacity be exceeded, the overflow runoff will exit via the southerly corner of the existing drivepad as shown on the attached drawing.

If you should have any questions or comments concerning this information, please do not hesitate to call.

Sincerely,

TOM MANN & ASSOCIATES, INC.

Jeffrey G. Mortensen, P.E.
Vice-President

JGM:ra
Encls.

RECEIVED
OCT 03 1984
HYDROLOGY SECTION

INFORMATION SHEET

PROJECT TITLE STATKUS WAREHOUSE TYPE OF SUBMITTAL * GRADING & DRAINAGE PLAN

ZONE ATLAS PAGE NO. H14 CITY ADDRESS 2ND ST. NW

LEGAL DESCRIPTION LOT 6, GENTRY ADDN.

ENGINEERING FIRM TOM MANN & ASSOC. CONTACT JEFFREY G. MORTENSEN

ADDRESS 811 DALLAS NE PHONE 265-5611

OWNER BOB STATKUS CONTACT ARCHITECT

ADDRESS _____ PHONE _____

ARCHITECT BILL BUCKLEY CONTACT BILL BUCKLEY

ADDRESS _____ PHONE 255-9196

SURVEYOR TOM MANN CONTACT J.G. MORTENSEN

ADDRESS _____ PHONE _____

CONTRACTOR NOT KNOWN 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)

RECEIVED
OCT 03 1984
HYDROLOGY SECTION

DATE SUBMITTED: 10/03/84

BY: J.G. MORTENSEN

* RESUBMITTAL

.40971

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. H14 DATE: 6/21/84

PLANNING DIVISION NO. _____

CONFERENCE RECAP

SUBJECT: BOB STATKUS WAREHOUSE
PORTION OF LOT 6, GENTRY ADDITION

	WHO	REPRESENTING
ATTENDANCE:	F. AGUIRRE	CITY
	J. MORTENSEN	TOM MANN

FINDINGS: APPROVED
1. DRAINAGE PLAN REQUIRED PER DPM PRIOR TO BUILDING PERMIT SIGN-OFF.
2. CONTROLLED DISCHARGE REQUIRED – ROUTING THRU A LANDSCAPED AREA WOULD BE ACCEPTABLE IN VIEW OF THE MIN. IMPERVIOUS AREA TO BE CREATED.

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: _____ SIGNED: _____
TITLE: _____ TITLE: _____
DATE: 6/21/84 DATE: 6/21/84

.4097/

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

SEP 2 8 1984

September 25, 1984

Mr. Jeff Mortensen
Tom Mann & Associates
811 Dallas, N.E.
Albuquerque, New Mexico 87110

RE: GRADING & DRAINAGE PLAN FOR BOB STATKUS WAREHOUS (H14-D34)
SEPTEMBER 5, 1984

Dear Jeff:

Based on the information provided on your September 5, 1984 submittal, you will find certain items listed that will need to be addressed before final approval is granted.

✓ 1. Complete information sheet with resubmittal designation.

✓ 2. Professional's stamp with signature and resubmittal date.

* 3. Water may be impounded adjacent to ROW but not closer than 10 feet from pavement. corrected

letter 4. Elevation of property line at least .33 feet above adjacent top of curb. not possible

* 5. Emergency spillway will need to be addressed. shown

If you have any questions or comments, please feel free to contact me at 766-7644.

Sincerely yours,

Carlos Montoya, P.E.
City/County Flood Plain Administrator

CAM:BJM:bm

City of Albuquerque

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DESIGN HYDROLOGY SECTION
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(505) 766-7644

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Tom Mann & Associates
811 Dallas, N.E.
Albuquerque, New Mexico 87110

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SEPTEMBER 5, 1984

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1. Complete information sheet with resubmittal designation.

2. Professional's stamp with signature and resubmittal date.

3. Water may be impounded adjacent to ROW but not closer than 10 feet from pavement.

4. Elevation of property line at least .33 feet above adjacent top of curb.

5. Emergency spillway will need to be addressed.

If you have any questions or comments, please feel free to contact me at 766-7644.

Sincerely yours,

Carlos Montoya, P.E.
City/County Flood Plain Administrator

CAM:BJM:bm

INFORMATION SHEET

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ZONE ATLAS PAGE NO. H14 D34 CITY ADDRESS 2ND ST. NW

LEGAL DESCRIPTION LOT 6, GENTRY ADDN.

ENGINEERING FIRM TOM MANN & ASSOC. CONTACT JEFFREY G. MORTENSEN

ADDRESS 811 DALLAS NE PHONE 265-5611

OWNER BOB STATKUS CONTACT ARCHITECT

ADDRESS _____ PHONE _____

ARCHITECT BILL BUCKLEY CONTACT BILL BUCKLEY

ADDRESS _____ PHONE 255-9196

SURVEYOR TOM MANN CONTACT J.G. MORTENSEN

ADDRESS _____ PHONE _____

CONTRACTOR NOT KNOWN CONTACT _____

ADDRESS _____ PHONE _____

PRE-DESIGN MEETING:

✓ YES
NO
✓ COPY OF CONFERENCE RECAP SHEET PROVIDED

RECEIVED
SEP 5 1984
RECEIVED
SURVEY SECTION

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL: Hydrology

___ 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: 09/05/84

BY: J.G. MORTENSEN

40971

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. H14 DATE: 6/21/84

PLANNING DIVISION NO. _____

RECEIVED
SEP 5 1984
RECEIVED
~~SURVEY~~ SECTION
Hydrology

CONFERENCE RECAP

SUBJECT: BOB STATKUS WAREHOUSE
PORTION OF LOT 6, GENTRY ADDITION

ATTENDANCE:	WHO	REPRESENTING
	F. AGUIRRE	CITY
	J. MORTENSEN	TOM MANN

FINDINGS: ~~APPROVED~~
1. DRAINAGE PLAN REQUIRED PER DPM PRIOR TO BUILDING PERMIT SIGN OFF.
2. CONTROLLED DISCHARGE required — ROUTING that A LANDSCAPED AREA INCLUDED BE ACCEPTABLE IN VIEW OF THE MIN. IMPERVIOUS AREA TO BE treated.

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: _____ SIGNED: _____
TITLE: _____ TITLE: _____
DATE: 6/21/84 DATE: 6/21/84

T_c = 10 MIN ; Q_p = 0.7 cfs

V_{100} = 1170 cf

$V_1 = \frac{1}{2}(10)(60)(0.7) = 210$ cf

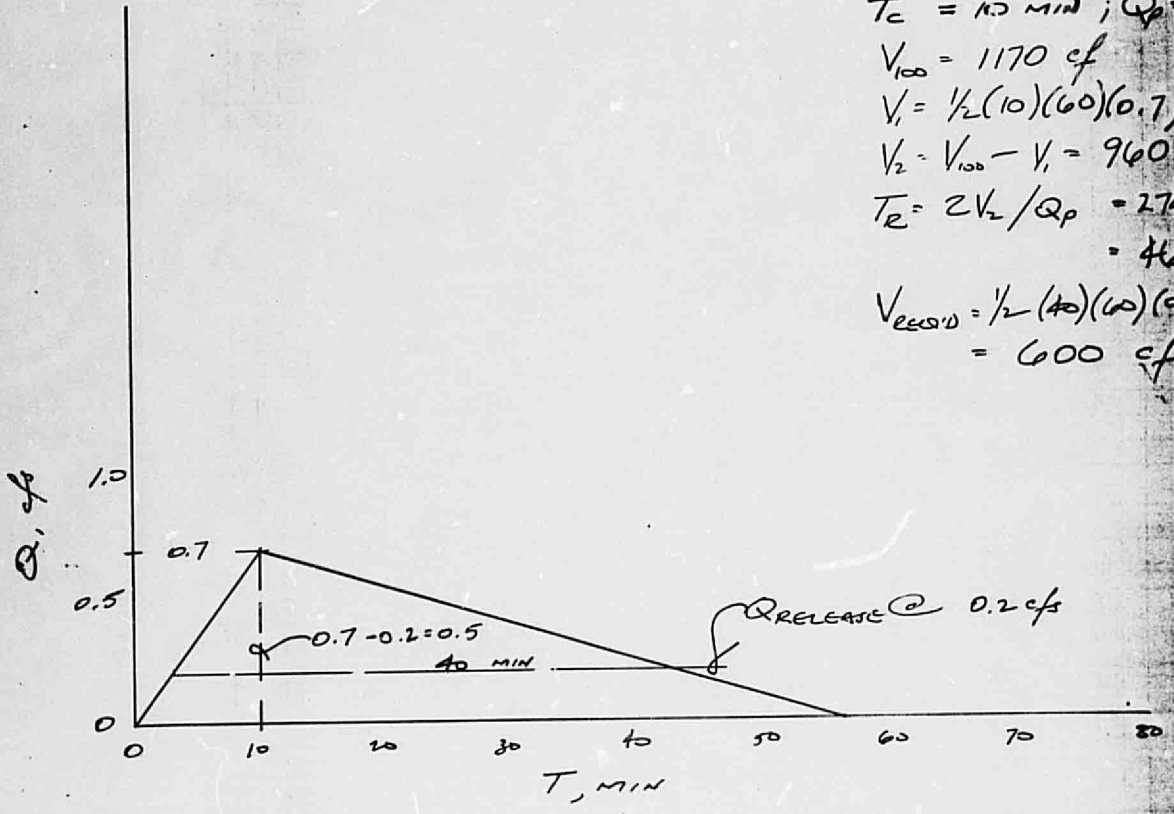
$V_2 = V_{100} - V_1 = 960$ cf

$T_2 = 2V_2 / Q_p = 2743$ sec

= 46 min

$V_{RELEASED} = \frac{1}{2}(40)(60)(0.5)$

= 600 cf



8/31/84