CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. H-21 DATE: 7/18/84

PLANNING DIVISION NO. _____

CONFERENCE RECAP

SUBJECT: 10749 Prospect NE

	WHO	REPRESENTING
ATTENDANCE:	Jeff Mortensen	Tom Mann
766-7644	Billy Goolsby	City

FINDINGS: ⓐ Approved Drainage Plan (Update) conforming to current criteria.
ⓑ ☒ Previously approved drainage schema still applicable.

* Please provide a copy of recap w/submittal

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: Jeffrey G. Mortensen

TITLE: CE/Hydrology TITLE: PE

DATE: 7/18/84 DATE: 07/18/84

Update to Existing site
New report

DRAINAGE INFORMATION SHEET

Commercial Building

PROJECT TITLE: AJU MELWANI ZONE ATLAS/DRNG. FILE #: H-21-D23

LEGAL DESCRIPTION: Lot 'M', Blk 109 Snow Hts Addition

CITY ADDRESS: 10749 PROSPECT A.E. N.E. ALBUQ, N.M

ENGINEERING FIRM: SUBHAS K. SHAH P.E. CONTACT: SUBHAS K. SHAH

ADDRESS: 4913 LARCHMONT N.E. PHONE: H: 298-0432, O-243-6776

OWNER: AJU MELWANI CONTACT: AJU MELWANI

ADDRESS: 3715 VALERI PL N.E. PHONE: 262-1457

ARCHITECT: JERRY TORR & ASSOC. CONTACT: JERRY TORR

ADDRESS: 5736 OSUNA RD. N.E. PHONE: 884-7713

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

- ✓ YES
- ___ NO
- ✓ COPY OF CONFERENCE RECAP SHEET PROVIDED

RECEIVED
DEC 3 1984
HYDROLOGY SECTION

DRB NO. _____
EPC NO. _____
PROJ. NO. _____

TYPE OF SUBMITTAL:

- ___ DRAINAGE REPORT
- ✓ DRAINAGE PLAN
- ___ CONCEPTUAL GRADING & DRAINAGE PLAN
- ___ GRADING PLAN
- ___ EROSION CONTROL PLAN
- ___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: 12-3-84

BY: Subhas K. Shah P.E.

December 03, 1984

Mr. Bill Goolsby
City of Albuquerque
Municipal Development Dept.
Hydrology Section
P.O. Box 1293
Albuquerque, NM 87103

Re: Hydrology Section project No. H-21 - 10749 Prospect Ave. NE

Dear Billy;

As per our previous discussion, I am attaching two copies of drainage plan for a new building addition at 10749 Prospect Ave. NE.

The existing building and parking lot were constructed in 1980 under previous drainage regulation. The flow was allowed to be drained onto Prospect Ave.. The new building on the east side is approximately 1634 square feet which does not affect any of the existing drainage pattern. There is no offsite flow entering the site. The subject property is outside flood hazard zone.

Your earliest approval to this project will be greatly appreciated since the construction is to commence in mid-December.

If you have any further questions, please do not hesitate to contact me.

Sincerely,

A. K. Shah

Subhas K. Shah P.E.
4913 Larchmont NE
Albuquerque, NM 87111
Phone: 243-6796

SKS:aa
Enclosures

"DRAINAGE COMPUTATIONS"

10749 PROSPECT AVE N.E.

Lot 'M' Block 109, SNOW HTS Acklition

Apartment & Retail Building for Arjan Melwani

Total Area = 15085 sq.ft = 0.35 Acres

New Building = 1634 sq.ft

There is no offsite flow entering the site.

1) Runoff Before Development

$Q_H = C.I.A$

$A = 0.35$ Acres $= 15085$ sq.ft

$C_1 = 0.95$ Impervious Surface (Includes Landscaping)

$C_2 = 0.45$ Pervious Surface

$A_1 = 12433$ sq.ft

$A_2 = 2652$ sq.ft

Composite 'C'

$$C_f = \frac{A_1 C_1 + A_2 C_2}{A_t}$$

$$= \frac{12433 \times 0.95 + 2652 \times 0.45}{15085}$$

$$= 0.86$$

$I = 5.4$ $T_c = 10$ Min.

$Q_H = 0.86 \times 5.4 \times 0.35$

$= 1.63$ cfs.

2) Runoff After Development

$Q_D = C.I.A$

C = 0.95 Impervious Area

I = 5.4 , T_c = 10. Min

A = 0.35 Acres

$Q = 0.95 \times 5.4 \times 0.35$

$= 1.80$ c.f.s

Additional flow generated due to Development $= Q_D - Q_{EXH}$

$= 1.80 - 1.63$

$= 0.17$ c.f.s

The downstream facilities have capacity to handle 0.17 c.f.s. The runoff will be trained into parking lot which will eventually discharge onto prospect Ave.

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

December 3, 1984

Mr. Subhas Shah
4913 Larchmont NE
Albuquerque, NM 87111

REF: GRADING AND DRAINAGE PLAN FOR APARTMENTS & RETAIL BUILDING FOR ARJAN MELWANI (H21-D23) RECEIVED DECEMBER 3, 1984

Dear Subhas:

The above referenced plan, dated December 4, 1984 is approved.

Please attach a copy of this approved plan to the construction set prior to Hydrology sign-off.

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

Sincerely yours,

Billy J. Goolsby

Billy J. Goolsby, PE
Civil Engineer/Hydrology

BJG:mrk