



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: <u>Jeff Mortensen</u>	<u>Tom Mann</u>
<u>766-7644 Billy Goolsby</u>	<u>City</u>
_____	_____
_____	_____
_____	_____

FINDINGS: ① Approved Drainage Plan (Update)
conforming to current criteria.
② ~~Previously~~ 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 G. Goolsby

SIGNED: Jeff G. Goolsby

TITLE: CE/Hydrology

TITLE: _____

DATE: 7/18/84

DATE: 07/18/84

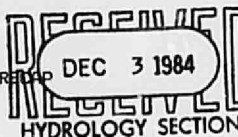
DRAINAGE INFORMATION SHEET

update to Existing site
New report

Commercial Building

PROJECT TITLE: ATU MELWANI ZONE ATLAS/DRNG. FILE #: H-21-023
LEGAL DESCRIPTION: 10' 'M' Bk 109 Snow Hts Addition
CITY ADDRESS: 10749 PROSPECT AVE N.E. ALBUQUERQUE, 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: AJUL MELWANI CONTACT: AJUL MELWANI
ADDRESS: 3715 VALERIE PL N.E. PHONE: 262-1457
ARCHITECT: JERRY TORR & ASSOC. CONTACT: JERRY TORR
ADDRESS: 5736 OSUNA RD. N.E. PHONE: 824-7713
SURVEYOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CONTRACTOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES☐ NO☒ COPY OF CONFERENCE REPORT
SHEET PROVIDED

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☒ BUILDING PERMIT APPROVAL☐ FOUNDATION PERMIT APPROVAL☐ CERTIFICATE OF OCCUPANCY APPROVAL☐ ROUGH GRADING PERMIT APPROVAL☐ GRADING/PAVING PERMIT APPROVAL☐ OTHER _____ (SPECIFY)DATE SUBMITTED: 12-3-84BY: 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;

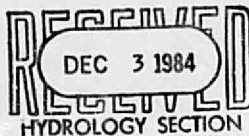
As per our previous discussion, I am attaching two copies of drainage plan for a new building addition at 10749 Prospect Ave. NE.

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 Addition
Apartment & Retail Building for Aijun
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

$$Q_H = C \cdot I \cdot A$$

$$A = 0.35 \text{ Acres} = 15085 \text{ sq. ft}$$

$$C_1 = 0.95 \text{ Impervious Surface} \\ (\text{Includes Landscaping})$$

$$C_2 = 0.45 \text{ Pervious Surface}$$

$$A_1 = 12433 \text{ sq. ft}$$

$$A_2 = 2652 \text{ sq. ft}$$

Composite 'C'

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

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

$$= 0.86$$

$$I = 5.4$$

$$T_c = 10 \text{ Min.}$$

$$Q_H = 0.86 \times 5.4 \times 0.35$$

$$= 1.63 \text{ cfs.}$$

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

$$\begin{aligned} Q &= 0.95 \times 5.4 \times 0.35 \\ &= 1.80 \text{ c.f.s.} \end{aligned}$$

Additional flow generated due to

$$\begin{aligned} \text{Development} &= Q_D - Q_{\text{H}} \\ &= 1.80 - 1.63 \\ &= 0.17 \text{ c.f.s.} \end{aligned}$$

The downstream facilities have capacity to handle 0.17 c.f.s.

The runoff will be drained 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

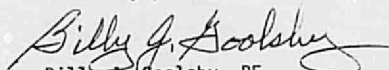
Dear Subhas:

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, PE
Civil Engineer/Hydrology

BJG:mrk

MUNICIPAL DEVELOPMENT DEPARTMENT

C. Dwayne Sheppard, P.E., City Engineer

ENGINEERING DIVISION

Telephone (505) 766-7467

AN EQUAL OPPORTUNITY EMPLOYER

