

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: H-17 DATE: 11/25/85
PLANNING DIVISION NOS: EPC: _____ DRB: Replat
SUBJECT: Retail Center
STREET ADDRESS (IF KNOWN): _____
SUBDIVISION NAME: Lots 14 & 15 through 19 Bel Air Subd.

APPROVAL REQUESTED:

<input type="checkbox"/> PRELIMINARY PLAT	<input checked="" type="checkbox"/> FINAL PLAT
<input type="checkbox"/> SITE DEVELOPMENT PLAN	<input checked="" type="checkbox"/> BUILDING PERMIT
<input type="checkbox"/> OTHER	<input type="checkbox"/> ROUGH GRADING

WHO	REPRESENTING
ATTENDANCE: <u>Herman Hood</u>	<u>Lovelady & Associates</u>
<u>Billy Goolsby</u>	<u>City/Design Hydrology</u>

FINDINGS:

- ① Discharge to be determined by analysis of downstream capacity
- ② City approved alley grades are required for the existing unimproved alley. These grades are required prior to issuance of the C.D.
- ③ An approved erosion control plan is required for the period of construction to ensure that sediments remain on-site.

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: [Signature]
TITLE: CE/Design Hydrology TITLE: _____
DATE: 11/25/85 DATE: 11/25/85

NOTE: PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

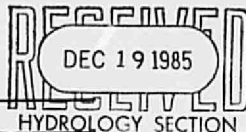
CONFERENCE INFORMATION SHEET

PROJECT TITLE: CARLISLE RETAIL CENTER ZONE ATLAS/DRNG. FILE #: H-17/D39
 LEGAL DESCRIPTION: LOTS 10 THRU 17, BLK 45, PCL-AIR Sub.
 CITY ADDRESS: _____
 ENGINEERING FIRM: LEVELADY & ASSOC CONTACT: FRANK LEVELADY
 ADDRESS: 7408 MORROW PHONE: 883-7973
 OWNER: DAVID SYMOUR CONTACT: DAVID SYMOUR
 ADDRESS: 7008 Marilyn Ave NE PHONE: 256-9465
 ARCHITECT: KEN HOVEY DESIGN GROUP CONTACT: KEN HOVEY
 ADDRESS: 535 JEFFERSON ST. SE PHONE: 256-9400
 SURVEYOR: SAME AS ENGR CONTACT: _____
 ADDRESS: _____ PHONE: _____
 CONTRACTOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

- ☒ YES
☐ NO
☒ COPY OF CONFERENCE RECAP 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: 12/16/85
 BY: HELMUTH HOOD



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

January 13, 1986

Frank Lovelady
Lovelady & Associates
7408 Morrow Road, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR CARLISLE RETAIL CENTER
RECEIVED DECEMBER 19, 1985 (H-17/D39)

Dear Mr. Lovelady:

I have reviewed the referenced submittal and forward the following comments:

1. The site has not been identified with respect to flood hazard. Is the site in or out of a flood hazard area?
2. The verbage on the plan states that there is a separate submittal on this site. I fail to find the additional information, please provide an additional copy.
3. It was identified that City approved alley grades will be required ~~for building permit~~. I do not find any reference to this process undertaking.
4. The required spot elevations for the standard City drivepad have not been provided.
5. The contours as shown do not clearly indicate that the runoff will be contained onsite. It appears as if the runoff may discharge onto the property to the north.

*at time of C.O.
1/17/86*

MUNICIPAL DEVELOPMENT DEPARTMENT

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

ENGINEERING DIVISION

Telephone (505) 766-7467

AN EQUAL OPPORTUNITY EMPLOYER

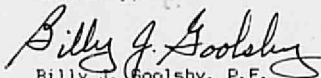
Frank Lovelady
January 13, 1986
Page Two of Two

How will the water be turned 90° as the arrow so indicates? The detail is lacking to confirm this scheme.

6. The property will need to be replatted to remove the lot lines or the appropriate legal documentation will need to be provided to allow discharge across these lot lines.

Should you have any questions or comments regarding this project, call me at 765-7644.

Cordially,


Billy J. Goolsby, P.E.
C.E./Design Hydrology

BJG/bsj

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Carlisle Retail Ctr. ZONE ATLAS/DRNG. FILE #: H17-D39
 LEGAL DESCRIPTION: LOTS 16-19 BLK 45 BEL-AIR SUB.
 CITY ADDRESS: _____

ENGINEERING FIRM: LOVELADY & ASSOC CONTACT: FRANK LOVELADY
 ADDRESS: 7408 MORRISON DR NE PHONE: 883-7973

OWNER: DAVID SYMOUR CONTACT: DAVID SYMOUR
 ADDRESS: 7008 MARILYN AVENUE PHONE: 256-9655

ARCHITECT: KEN HOVEY DESIGN CONTACT: KEN HOVEY
 ADDRESS: 335 JEFFERSON ST NE PHONE: 255-9400

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

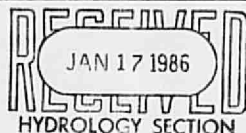
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES

☐ NO

☐ COPY OF CONFERENCE RECAP
 SHEET PROVIDED



DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

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☒ EROSION CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

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☒ BUILDING PERMIT APPROVAL

☐ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATE OF OCCUPANCY APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER _____ (SPECIFY)

* 2nd Submittal

DATE SUBMITTED: 1/17/86

BY: HERMAN HOOD

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Carlisle Retail Center ZONE ATLAS/DRNG. FILE #: H17-D39
 LEGAL DESCRIPTION: Parcel "A", Block 45, Bel-Air Subdivision
 CITY ADDRESS: comprising a 10' x 16' lot of lots 16 thru 19, incl.

ENGINEERING FIRM: Cove Land & Assoc CONTACT: HERMAN HARP

ADDRESS: 7809 Maurron Av. NE PHONE: 256-5397

OWNER: David Symour CONTACT: David Symour

ADDRESS: 7008 Marilyn Ave. PHONE: 256-9655

ARCHITECT: Ken Hovey Design CONTACT: Ken Hovey

ADDRESS: 335 JEFFERSON ST NE PHONE: 255-9400

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☐ YES

DRB NO. _____

☐ NO

EPC NO. _____

☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

PROJ. NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☐ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☐ GRADING PLAN

☐ EROSION CONTROL PLAN

☐ ENGINEER'S CERTIFICATION

☒ Additional Information
filed Replot

CHECK TYPE OF APPROVAL SOUGHT:

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☐ FINAL PLAT APPROVAL

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☐ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATE OF OCCUPANCY APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 1/24/86

BY: _____



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

January 28, 1986

Frank Lovelady
Lovelady & Associates
7408 Morrow Road, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR CARLISLE RETAIL CENTER
RECEIVED JANUARY 17, 1986 (H-17/D39)

Dear Mr. Lovelady:

The referenced drainage plan dated January 15, 1986, is approved for Building Permit sign-off.

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

If you have any questions regarding this project, call me at 766-7644.

Cordially,

Billy J. Goolsby
Billy J. Goolsby, P.E.
C.E./Design Hydrology

BJG/bsj

MUNICIPAL DEVELOPMENT DEPARTMENT

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

ENGINEERING DIVISION

Telephone (505) 766-7467

AN EQUAL OPPORTUNITY EMPLOYER

1. DOWNSTREAM ANALYSIS -

A "C" FACTOR (RECOMMENDED BY DPM, PLATE 22.2 C-2)

RESIDENTIAL AREA = 14.3 AC

"C" Factor = 0.85

COMMERCIAL AREA = 3.4 AC

"C" Factor = 0.92

B RAINFALL, 100 yr, 6 hr P_6 (See Ref. A ON DRAINAGE PLAN PLAT 22.2 D-1)

$P_6 = 2.25$ inches

C TIME OF CONCENTRATION T_c ; (By Kirpich Eqn.)

Δ ELEV 17' ±

LENGTH 1500 ft

$$S = \frac{\Delta}{\text{LENGTH}} = \frac{17}{1500} = 1.13\% \text{ OR } 0.0127\%$$

$$T_c = 0.0078 \frac{L^{0.77}}{S^{0.385}} = 11.7 \text{ minutes}$$

D RAINFALL INTENSITY I ; (Ref. A PLATE 22.2 D-2)

$$I = P_6 \times 6.84 \times T_c^{-0.51}$$

$$I = 4.39 \text{ inches/hr}$$

E PEAK DISCHARGE (RATIONAL METHOD)

RESIDENTIAL

$Q = CIA$

$$= 0.85 \times 4.39 \times 14.3 = 52.36$$

COMMERCIAL

$Q = CIA$

$$= 0.92 \times 4.39 \times 3.4 = 13.75$$

TOTAL 67.09 CFS

F STREET CAPACITY (Plate 22.3 D-1)

STREET WIDTH 2-30 ft STREET

STREET SLOPE (FOOTEST 10:1) 0.049 ft/ft

HALE STREET CAPACITY = 22 CFS

BOX 4 = 28 CFS

SEE 67 CFS, THEREFOR THE STREET HAS ADEQUATE CAPACITY