

DRAINAGE INFORMATION SHEET

PROJECT TITLE: CASA SENEAS TOWNHOMES ZONE ATLAS/DRNG. FILE #: L-19
 LEGAL DESCRIPTION: LOTS A-1, A-2, A-3 & A-4, Block 7, CASA SENEAS
 CITY ADDRESS: _____

ENGINEERING FIRM: BURTON ENGINEERS CONTACT: DICK BURTON
 ADDRESS: 34 PHONE: 884-1330

OWNER: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

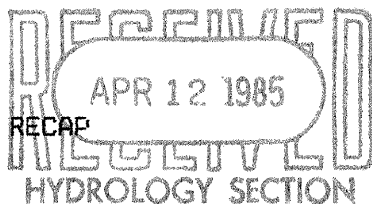
ARCHITECT: DON MITCHELL CONTACT: _____
 ADDRESS: _____ PHONE: 344-0808

SURVEYOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☐ YES
☐ NO
☐ COPY OF CONFERENCE 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: _____

BY: _____



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

April 17, 1985

Dick Burton
Burton Engineering
3401 Carlisle Boulevard, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR CASA SERENAS TOWNHOMES
(L-19/D18) RECEIVED APRIL 12, 1985

Dear Mr. Burton:

The referenced plan dated April 12, 1985 is approved for building permit sign-off. However, an approved Land Division Plat must be submitted for our files prior to Certificate of Occupancy approval.

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

If you have any questions or comments, please call me at 766-7644.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

CAM/bsj

MUNICIPAL DEVELOPMENT DEPARTMENT



CONSTRUCTION NOTES:

- GENERAL NOTES:

- Legal: Land division plat lots A-1, A-2, A-3, A-4 of lot "A" of land division plat lots A & B of CASAS SERENIS in sect. 30, T10N R4E, N.P.M., ALBUQ. Co., N.M.

CALCULATIONS: Based on a pre-design meeting with City of Albuquerque Hydrology, on 1-14-85, the following criteria was established:

Storm Relief System is downstream, whereby free discharge is warranted. Replanting to give private access and drainage easement. Calculations are based on the City of Albuquerque B.P.M. Manual, Vol. II for the 100 year-6 hour storm, using the Rational Formula to compare the existing and proposed runoff rates.

RATIONAL METHOD - Q = CTA
AREA OF SITE: 10125 sq.ft. = 0.23 Ac.
RUN-OFF COEFFICIENT:

EXISTING SITE
A imp. = 0 ac.

$$\lambda_{\text{imp.}} = 0.34 \quad (\text{DPM } 22.2 \text{ C-1})$$

PROPOSED

$$\begin{aligned} \text{I}^{\text{H}} &= 0.72 \\ \text{I}^{\text{H}} &= 0.72 \end{aligned}$$
$$I = P(6.84)^{-0.51} = 5.02 \text{ per hour}$$

where $P_0 = 2.375''$ (DPM 22.2 0-1)

 $t_c = 10 \text{ minutes}$

EXISTING CONDITIONS

$$= (0.34)(5.02)(0.23)$$
$$V_1 = ((10.125 \times 2.375) / 12) \times .34$$

6810.23

PROPOSED CONDITIONS

$$= (0.72)(5.02)(0.23)$$
$$V_{\text{eff}} = ((10,125 \times 2.375)/12) \times .73$$

Summary: $(0.39) - (0.83) = 0.44$ c.f.s. increase

$$y = (681) - (1463) = 782 \text{ of increase}$$

DOWNSTREAM CAPACITY:

Minor discharge flows off site to State

Fairgrounds Storm Relief System.