

DRAINAGE INFORMATION SHEET

D20

PROJECT TITLE: Phillips 66 - Montgomery/Louisiana NE ZONE ATLAS/DRNG, FILE#: G-19 ~~/1220~~
DRB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: Portion of Section 6, T10N, R4E of NMPM
CITY ADDRESS: 7000 Montgomery NE Albuquerque, NM

ENGINEERING FIRM: <u>Mark Goodwin & Associates PA</u>	CONTACT: <u>Diane Hoelzer PE</u>
ADDRESS: <u>PO Box 90606</u>	PHONE: <u>345-2010</u>
OWNER: <u>Phillips 66</u>	CONTACT: <u>Ken Duck</u>
ADDRESS: <u>1620 Central SE</u>	PHONE: <u>247-1529</u>
ARCHITECT: <u>SLNB Architects</u>	CONTACT: <u>Ken Duck</u>
ADDRESS: <u>1620 Central SE</u>	PHONE: <u>247-1529</u>
SURVEYOR: _____	CONTACT: _____
ADDRESS: _____	PHONE: _____
CONTRACTOR: _____	CONTACT: _____
ADDRESS: _____	PHONE: _____

TYPE OF SUBMITTAL:

CHECK TYPE OF APPROVAL SOUGHT:

☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. PLAN FOR BLDG PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATION OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (Specify)

PRE-DESIGN MEETING:

☐ YES
☒ NO
☐ COPY PROVIDED

DATE SUBMITTED: 7-8-96

BY: Diane Hoelzer
Diane Hoelzer, PE

JUL - 8 1996

DRAINAGE REPORT
for
PHILLIPS 66
Montgomery and Louisiana



ZONE ATLAS G-19

July 1996

JUL - 8 1996

PROJECT DESCRIPTION

The site is currently developed as a Phillips 66 gas station, convenience store and car wash. The proposed developed site is also a Phillips 66 station, convenience store and car wash. The primary difference between the existing and developed Phillips 66 is the location of each of these facilities. Additional pump stations are going to be built where the existing building is now located at the north portion of the site. A new building is going to be constructed where the existing car wash is now located and a new car wash facility is going to be built closer to the existing south property line.

EXISTING DRAINAGE CONDITIONS

Under existing drainage conditions, on-site flows are directed towards the west as free discharge into Louisiana Blvd. A small portion of the project site flows along the south property line discharge off-site before entering Louisiana Blvd.

DEVELOPED CONDITIONS

Under developed conditions, the on-site flows will continue to be directed towards the west as free discharge into Louisiana Blvd. As a result of the new car wash location closer to the south property line, less on-site runoff will discharge directly off-site at the south property line. However the difference in discharge from the site at this location is negligible (refer to the drainage calculations on the next page).

**PHILLIPS 66
Montgomery and Louisiana**

ZONE ATLAS G-19

DRAINAGE CALCULATIONS

Precipitation Zone: 3
Project Area: 0.86 acres
Time of Concentration = 12 minutes

EXISTING CONDITIONS

Land Treatment C = 26.5%
Land Treatment D = 73.5%

From Table A-9 Peak Discharge:

$$3.45(0.2279) + 5.02(0.6321)$$

Q100 = 3.96 cfs

$$1.29(.2279) + 2.36(0.6321) = 1.79$$
$$1.79 \times .86 / 12 =$$

V100 = 0.128 acre-feet

DEVELOPED CONDITIONS

Land Treatment C = 19.6%
Land Treatment D = 80.4%

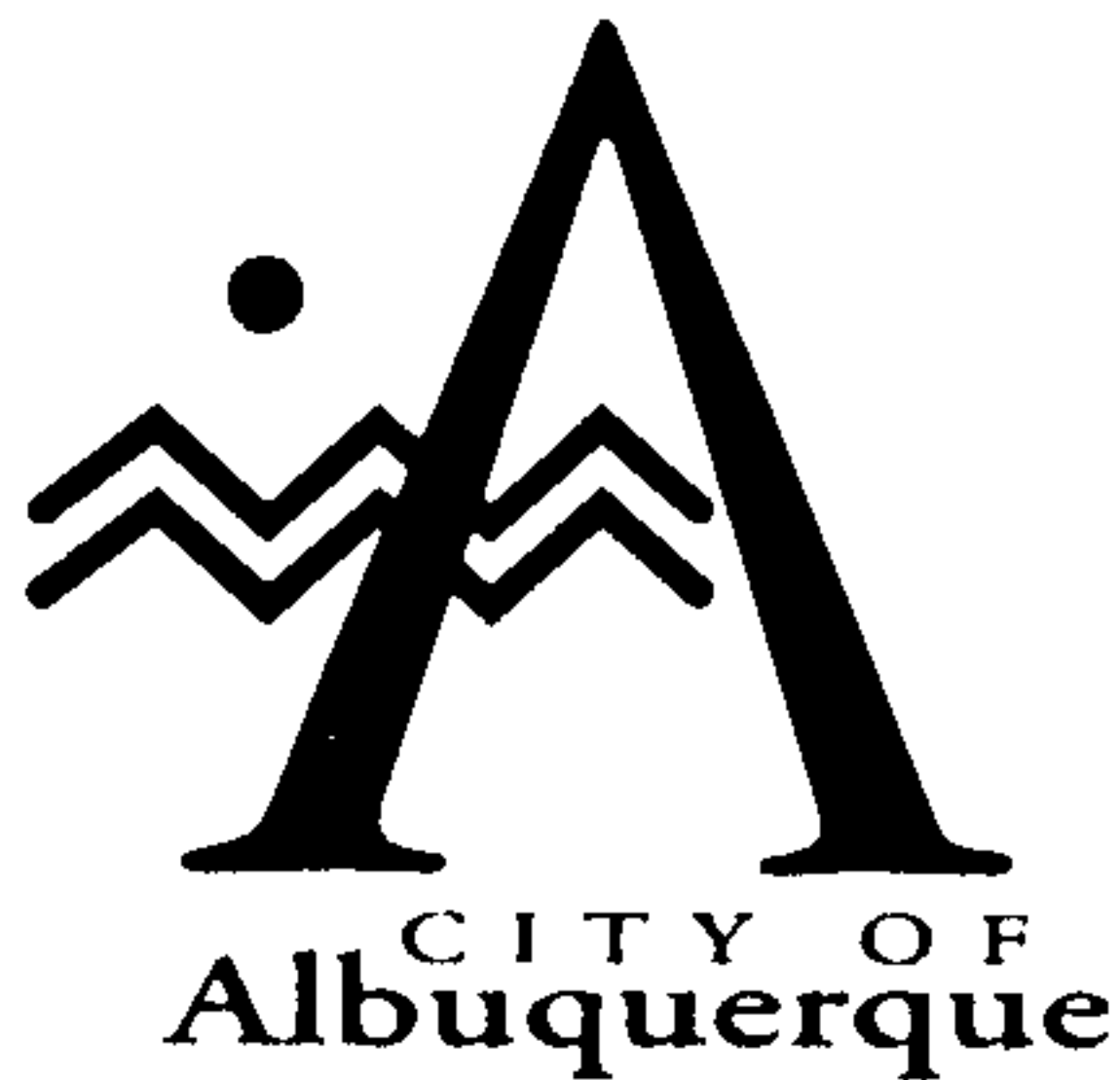
$$3.45(0.1686) + 5.02(0.6914)$$

Q100 = 4.05 cfs

$$1.29(0.1686) + 2.39(0.6914) = 1.87$$
$$1.87 \times .86 / 12 =$$

V100 = 0.134 acre-feet

An increase in flow rate of 0.09 cfs is negligible.



March 21, 1997

Martin J. Chávez, Mayor

Diane Hoelzer, P.E.
Mark Goodwin & Assoc.
P.O. Box 90606
Albuquerque, NM 87199

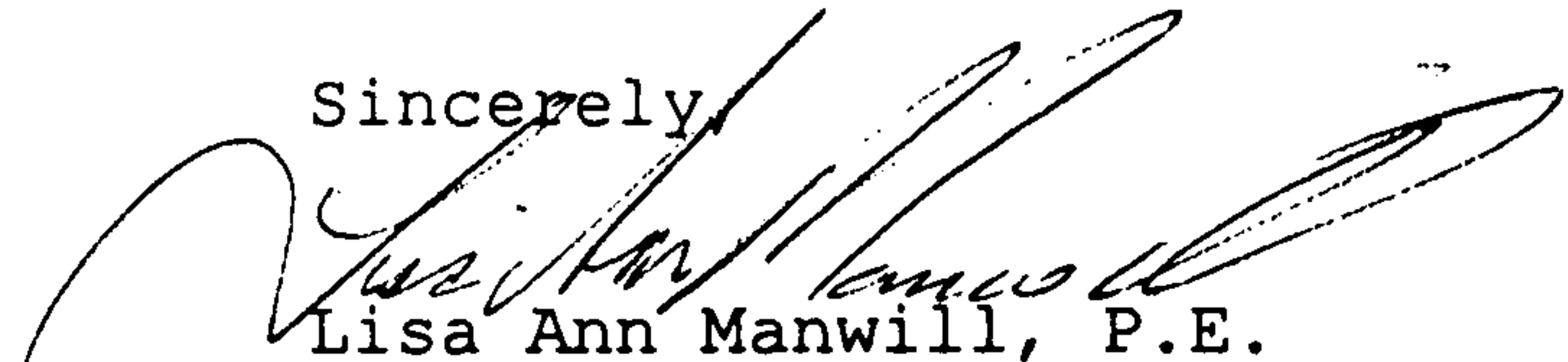
RE: *D20* PHILLIPS 66 - 7000 MONTGOMERY BLVD. NE (G19-~~DATA~~). ENGINEER'S
CERTIFICATION FOR CERTIFICATE OF OCCUPANCY. ENGINEER'S
CERTIFICATION DATED MARCH 6, 1997.

Dear Ms. Hoelzer:

Based on the information provided on your March 10, 1997 submittal,
the above referenced project is approved for Certificate of
Occupancy.

If I can be of further assistance, please feel free to contact me at
924-3984.

Sincerely,



Lisa Ann Manwill, P.E.
Engineering Assoc./Hyd.

c: Andrew Garcia
File

Good for You, Albuquerque!

P.O. Box 1293, Albuquerque, New Mexico 87103



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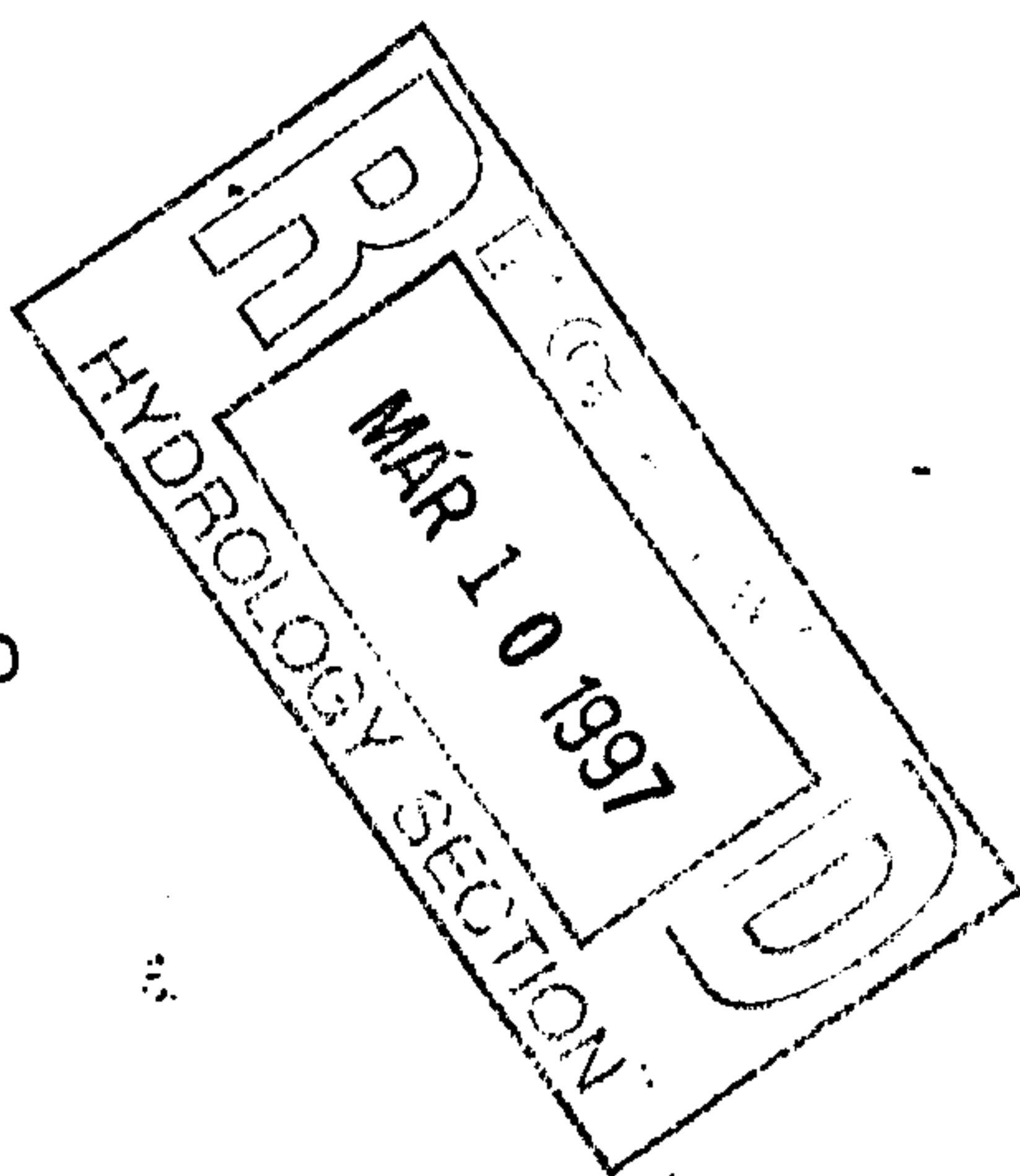
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- ☐ OTHER _____ (Specify)

DATE SUBMITTED: 3-7-97

BY: Diane Hoelzer
Diane Hoelzer, PE

30 day tarp
on 3/12/97