



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 7, 1994

Frank Lovelady
Lovelady & Associates
300 Alamosa NW
Albuquerque, NM 87107

RE: GRADING/PAVING PLAN FOR NEW PARKING LOT FOR ROWLAND NURSERY
(H19-D59) ENGINEER'S STAMP DATED 2/2/94.

Dear Mr. Lovelady:

Based on the information provided on your February 3, 1994 submittal, the above referenced site is approved for Grading/Paving Permit.

Please be advised that once construction is completed, request for inspection must be called in.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya
Bernie J. Montoya, CE
Engineering Associate

BJM/d1/WPHYD/8289

c: Inspector
File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: ROWLAND PARKING LOT ZONE ATLAS/DRNG. FILE #: H-19/D-59
 DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: LOT 1, 2, 3, 37, 38 & 39 BLOCK 16 ZUNI ADDITION

CITY ADDRESS: _____

ENGINEERING FIRM: LOVELADY & ASSOCIATES CONTACT: FRANK D. LOVELADY

ADDRESS: 300 ALAMOSA NW PHONE: 345-2267

OWNER: ROWLAND NURSERY CONTACT: MIKE ROWLAND

ADDRESS: 7402 MENAUL BLVD NE PHONE: 883-5727

ARCHITECT: MARTHA PAPADOPOULOS CONTACT: MARTHA PAPADOPOULOS

ADDRESS: 3805 DENISE CT NE PHONE: 296-7287

SURVEYOR: LOVELADY & ASSOCIATES CONTACT: FRANK D. LOVELADY

ADDRESS: 300 ALAMOSA NW PHONE: 345-2267

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

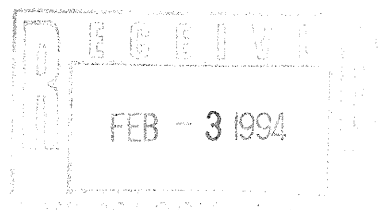
- ☐ SKETCH PLAT APPROVAL
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY APPROVAL
- ☐ GRADING PERMIT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

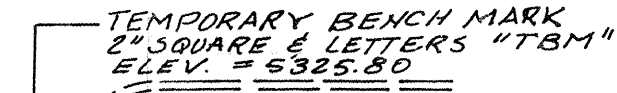
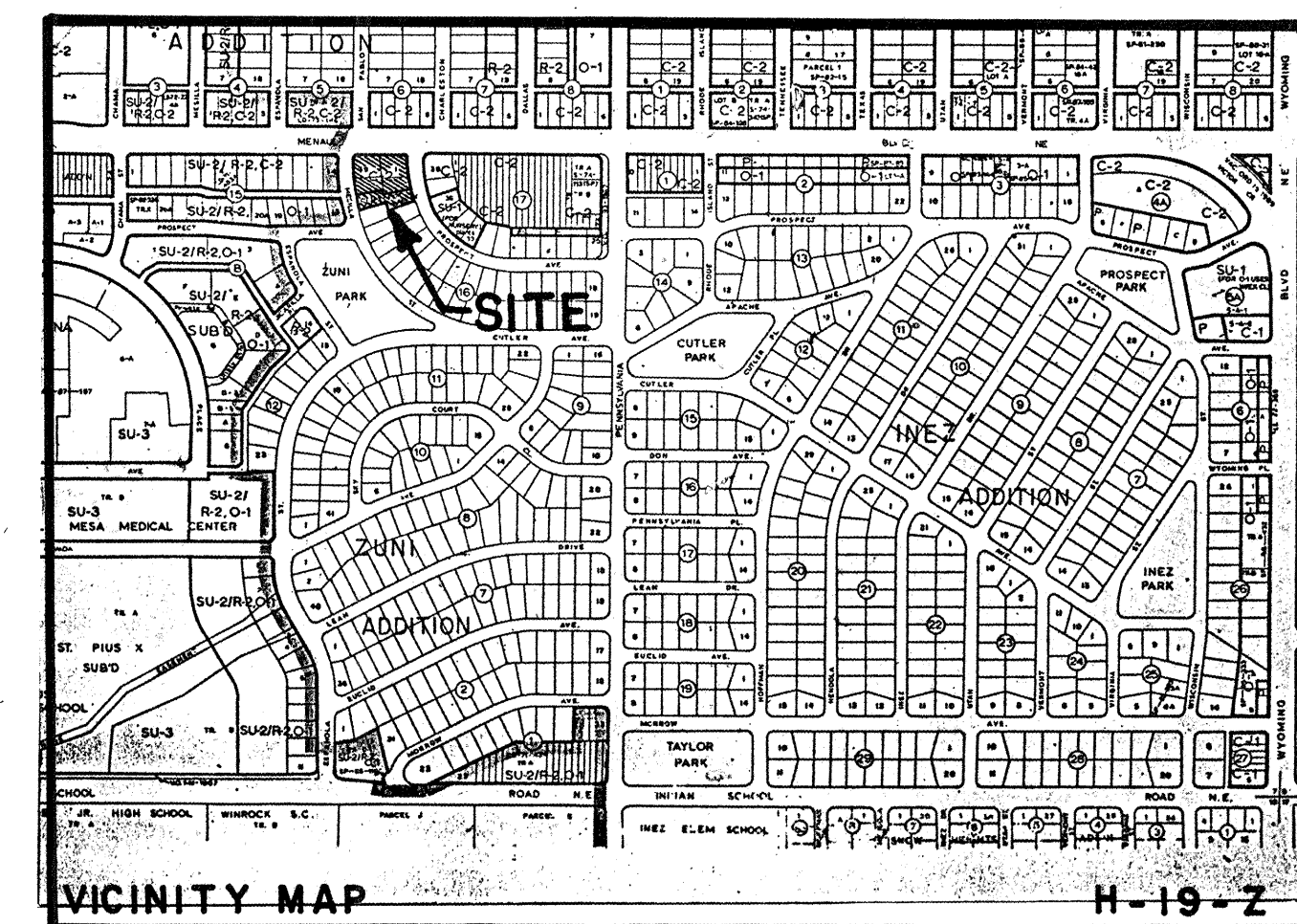
PRE-DESIGN MEETING:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

DATE SUBMITTED: FEB 2 1994

BY: Frank D. Lovelady





The site is located on the south side of Menaul Boulevard, N.E. between Mesilla Street and Prospect Avenue. The site is presently used for tree storage and gravel parking lot. The site slopes from east to west and Prospect Avenue slopes toward Menaul Boulevard. Mesilla Street slopes toward the south. There is a storm sewer in Menaul Boulevard, the first inlet being approximately 400' west of Mesilla Street. The entire site is considered to be Land Treatment C. There appears to be no off-site flow, based on the contours shown on the floodway map.

It is proposed to construct an asphalt paved parking lot as shown on the plan.

The calculations shown on this plan were prepared in accordance with Section 22.2, Hydrology, of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority, January 1993.

The site is west of Eubank Boulevard and is, therefore, in Precipitation Zone 3.

Existing Land Treatment is assumed to be all Land Treatment C. The developed Land Treatment areas are shown in the following table:

Land Treatment	100-yr. ^q	10-yr.	100-yr. ^E	10-yr.	Percent of Site	Area of Sq.Ft.	Site Acres
A	1.87	0.58	0.66	0.19	-	-	-
B	2.60	1.19	0.92	0.36	9.1	3,353	0.077
C	3.45	2.00	1.29	0.62	55.6	20,619	0.473
D	5.02	3.39	2.36	1.50	35.3	13,096	0.301
Totals					100.0	37,068	0.851

Existing Conditions:

$$V_{100} = (37068 \times 1.29) / 12 = 3985 \text{ CF}$$

$$V_{10} = (37068 \times 0.62) / 12 = 1915 \text{ CF}$$

Developed Conditions:

$$V_{100} = (3353 \times 0.92 + 20619 \times 1.29 + 13096 \times 2.36) / 12 = 4792 \text{ CF}$$

$$V_{10} = (3353 \times 0.36 + 20619 \times 0.62 + 13096 \times 1.50) / 12 = 2803 \text{ CF}$$

PEAK DISCHARGE, 100-YEAR AND 10-YEAR:

Existing Conditions:

$$Q_{100} = 0.851 \times 3.45 = 2.94 \text{ CFS}$$

$$Q_{10} = 0.851 \times 2.00 = 1.70 \text{ CFS}$$

Developed Conditions:

$$Q_{100} = 0.077 \times 2.60 + 0.473 \times 3.45 + 0.301 \times 5.02 = 3.34 \text{ CFS}$$

$$Q_{10} = 0.077 \times 1.19 + 0.473 \times 2.00 + 0.301 \times 3.39 = 2.06 \text{ CFS}$$

OFF-SITE FLOW:

The contours along the south property line are perpendicular to the property line so there is no off-site flow entering the site.

LEGAL DESCRIPTION:

Lots 1, 2, 3, 37, 38, and 39 of Block 16, Zuni Addition, Albuquerque, New Mexico.

BENCH MARK:

City of Albuquerque Station 12-H-19 located at the intersection of Menaul Boulevard and Pennsylvania Street, N.E. in the SW quadrant of the intersection. The station is on top of the concrete curb at the approximate mid points between curb returns.
Elevation = 5341.51 Feet.

TEMPORARY BENCH MARK:

Located on top of curb at the SSE curb return at the intersection of Menaul
Boulevard and Prospect Avenue, N.E. A 2" square and letters "TBM" painted and
chiseled on top of curb.
Elevation = 5325.80

RECEIVED
FEB - 3 1994

EXISTING CONTOUR ——— 532.5

NEW CONTOUR ——— 25

EXISTING SPOT ELEVATION 26.0

NEW SPOT ELEVATION 25.00

SWALE ← — — — — — →

SHEET FLOW ← —————

PROPERTY LINE ————



GRADING & DRAINAGE PLAN
NEW PARKING LOT FOR
ROWLAND NURSERY
7402 MENAUL BLVD. N.E.
ALBUQUERQUE, NEW MEXICO