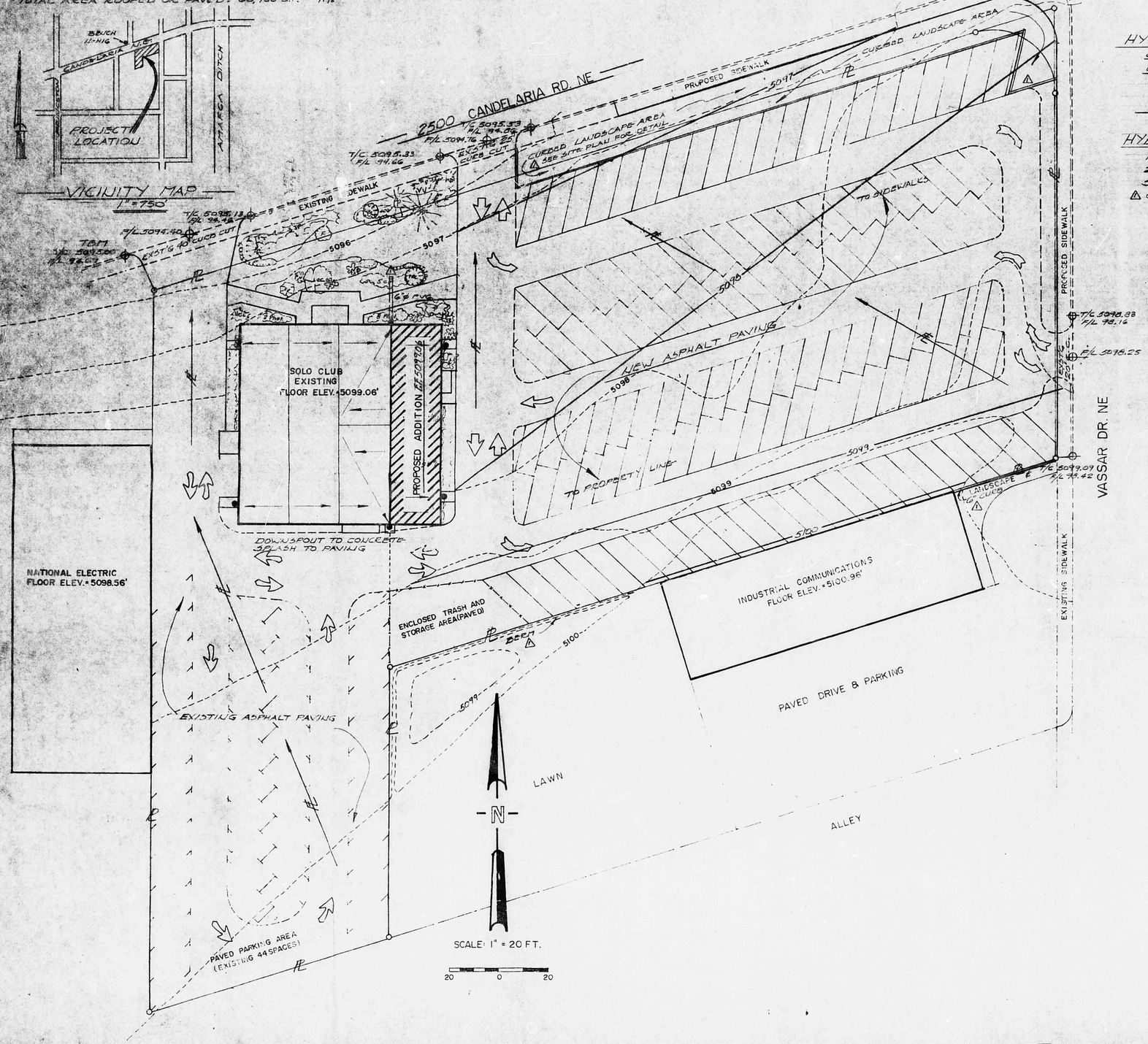
HYDROLOGY

H16/D79
TWO PLANS

H16/D79
2 Plans

# DRAINAGE PLAN

A PORTION OF TRACT "T" - MEIAUL DEVELOPMENT AREA - 7-25-62 - D3-192
ALBUQUERQUE, NEW MEXICO
TOPO MAP H-16 BENCHMARK 11-H16 ELEV. 5095.15 FLOOD MAP 23
SOIL GROUP 'B' - TOTAL AREA: 75,460.35 S.F. = 1.73 ACRES
TOTAL AREA ROOFED OR PAVED: 68,700 S.F. = 91%




## HYDROLOGY:

OFF-SITE FLOW: NONE — UNDEVELOPED FLOW: Q = 0.32 × 5.06 × 1.73 = 4.55 CFS
ON-SITE FLOW: C = 0.88, I = 2.2" × 2.3 = 5.06, # Q = 0.88 × 5.06 × 1.73 = 7.70 CFS = 70% +
TOTAL RUNOFF VOLUME: PER DPM - CU/75 = 1.6" = 0.13' × 75460 S.F. = 10,060 CU.FT.
DOWNSTREAM FACILITIES HAVE BEEN DEEMED ADEQUATE
REFER TO PRE-DESIGN CONFERENCE 4-13-85

## HYDRAULICS:

FLOWS WILL EXIT AT DRIVE PADS, 3.6 CFS AT WEST PAD & 4.10 CFS AT EAST.
24' WIDTH BY .12' DEEP AVERAGE, A = 2.4 S.F., n = 0.017, P = 24, S = 0.05, E = 0.10, $E^{5/3}$ = .215
$S^{1/2}$ = 0.224 & Q = 2.4 × 1.486/0.017 × 0.215 × 0.224 = 4.2 CFS ∴ ADEQUATE
△ 6"Ø PVC TO GARDEN: Q REQ'D = .10 × 5.06 × 0.04 = 0.19 CFS - PIPE Q AT ½" = 10 = 0.60 CFS

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## LEGEND:

PROPERTY LINE
EXISTING CONTOURS
PROPOSED CONTOURS — 5330 —
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING CHAIN LINK FENCE
EXISTING CMU WALL
EXISTING CURB & GUTTER
FLOW DIRECTION
PROPOSED CURB & GUTTER

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DUANE LEE LOGAN N. M. 2300 REGISTERED PROFESSIONAL ENGINEER

△ REVISED 10-3-85
FILE # H16-D79

DUANE LOGAN
CONSULTING CIVIL ENGINEER
501 KINLEY NE. 243-5333
ALBUQUERQUE, NEW MEXICO 87123

| | |
|---|---|
| DRAINAGE PLAN | FILE # H16-D79 |
| For: SOLO CLUB | Date: 8-15-85 |
| At: 2500 CANDELARIA | Drawn: DLL |
| FINAL ENGINEERED | Sheet 1 of 1 |

DUANE L. LOGAN REGISTERED PROFESSIONAL LAND SURVEYOR

DUANE LEE LOGAN N.M. 2300 REGISTERED PROFESSIONAL ENGINEER 8-15-85

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

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# PLAT of TRACT T-I
# MENAUL DEVELOPMENT AREA

APRIL, 1985

85 44223

DISCLOSURE STATEMENT

THE PURPOSE OF THIS PLAT IS TO REMOVE THE PROPERTY LINE BETWEEN THE EASTERLY 100 FEET OF THE WESTERLY 350 FEET OF TRACT T AND THE EASTERLY 279.95 FEET OF THE NORTHERLY 180 FEET OF TRACT T OF THE MENAUL DEVELOPMENT AREA, A SUBDIVISION IN THE CITY OF ALBUQUERQUE, NEW MEXICO, AND TO DEDICATE A RIGHT-OF-WAY AT THE CORNER OF CANDELARIA ROAD NE AND VASSAR DRIVE NE; MEETING THE REQUIRED ZONING AND SET-BACK REQUIREMENTS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE. ALL PLAT DATA IS REFERENCED TO THE ORIGINAL PLAT OF THE MENAUL DEVELOPMENT AREA, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JULY 27, 1962, IN BOOK B3, PAGE 192.

NOTE: APPROVAL OF THIS PLAT DOES NOT VACATE OR IN ANY WAY AFFECT PUBLIC OR PRIVATE EASEMENTS, EXCEPT AS SHOWN ON THIS PLAT.

LAND DESCRIPTION

A CERTAIN TRACT OF LAND SITUATED WITHIN THE MENAUL DEVELOPMENT AREA, CITY OF ALBUQUERQUE, COUNTY OF BERNALILLO, NEW MEXICO AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT OF SAID AREA, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JULY 27, 1962 IN BOOK B-3, PAGE 192. BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE TRACT HEREIN DESCRIBED, SAID NORTHWEST CORNER BEING A POINT ON THE SOUTHERLY LINE OF CANDELARIA ROAD, NE:

THENCE LEAVING SAID POINT OF BEGINNING,

N 72°46'00" E, 379.95 FEET ALONG SAID SOUTHERLY LINE OF CANDELARIA ROAD, NE TO A POINT; THENCE

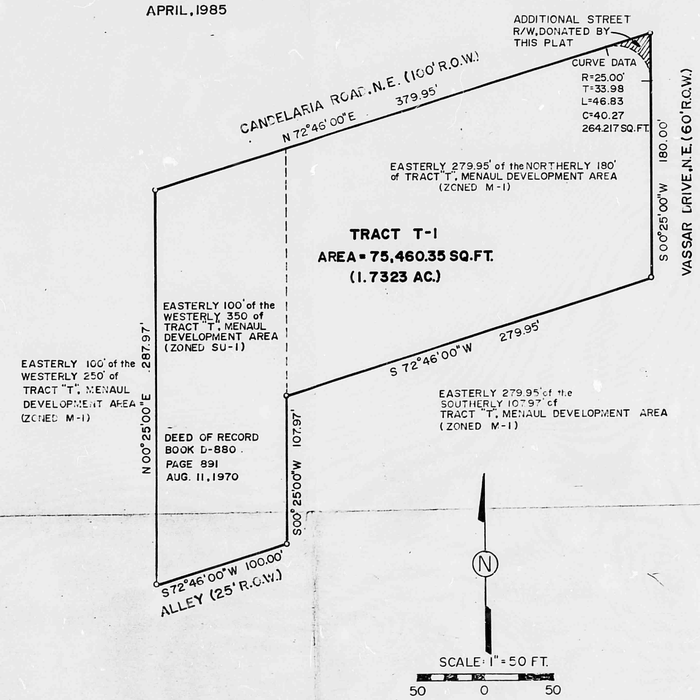
S 00°25'00" W, 180.00 FEET ALONG THE WESTERLY LINE OF VASSAR DRIVE, NE TO A POINT; THENCE

S 72°46'00" W, 279.95 FEET TO A POINT; THENCE

S 00°25'00" W, 107.97 FEET TO A POINT ON THE NORTHERLY LINE OF AN ALLEY; THENCE

S 72°46'00" W, 100.00 FEET ALONG SAID NORTHERLY LINE OF SAID ALLEY TO A POINT; THENCE

N 00°25'00" E, 287.97 FEET TO THE NORTHWEST CORNER, THE POINT AND PLACE OF BEGINNING OF THE HEREIN DESCRIBED TRACT, AND CONTAINING 75,460.35 SQUARE FEET (1.7323ACRES)




SUBDIVISION DATA

1. CASE NO. DRB-85-321
2. ZONE ATLAS INDEX NO. ____
3. CURRENT ZONING ____
4. GROSS ACREAGE 1.7323 ACRES
5. TOTAL NUMBER OF LOTS CREATED 1 LOT
6. TOTAL MILEAGE OF FULL WIDTH STREETS CREATED 0 MILES
7. DATE OF SURVEY N/A

NOTES

1. PLAT COMPILED FROM EXISTING RECORDS. NO FIELD WORK WAS PERFORMED.
2. BEARINGS ARE BASED ON PLAT OF SURVEY PREPARED BY ROSS BEYER ENGINEERING AND DATED OCT. 1960

State of New Mexico
County of Bernalillo
I hereby certify that this instrument was filed for record
1201 8 ... 85 ... 80 C27
... County Clerk

DEDICATION

REPLATTED, AND NOW BEING IDENTIFIED AS TRACT LETTERED T-1 OF THE MENAUL DEVELOPMENT AREA, CITY OF ALBUQUERQUE, COUNTY OF BERNALILLO, NEW MEXICO; WITH THE FREE CONSENT OF AND IN ACCORDANCE WITH THE WISHES AND DESIRES OF THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S), WHO HEREBY DEDICATE AS PUBLIC RIGHT-OF-WAY THAT PORTION OF THE ORIGINAL TRACT T, AS NOTED ON THIS PLAT.

THE SOLO CLUB

JOHN PORTER, PRESIDENT

ROSE BROWN, SECRETARY

STATE OF NEW MEXICO )
COUNTY OF BERNALILLO ) SS

SUBSCRIBED AND SWORN TO BEFORE ME THIS 2nd DAY OF May 1985

Joan E Hall
NOTARY PUBLIC

12/31/85
MY COMMISSION EXPIRES

CERTIFICATION

I, KENNETH H. SANDLIN, A REGISTERED LAND SURVEYOR UNDER THE LAWS OF NEW MEXICO, CERTIFY THAT THIS PLAT WAS PREPARED BY ME, OR UNDER MY SUPERVISION AND DIRECTIONS; SAID PLAT SHOWS ALL EASEMENTS OF RECORD, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Kenneth H. Sandlin

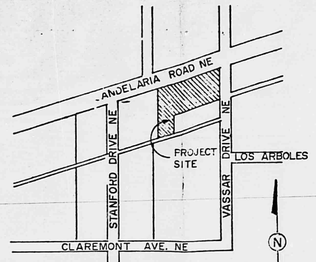
KENNETH H. SANDLIN, N.P.L.S. 3439
404 LA CHARLES DRIVE, NE
ALBUQUERQUE, NEW MEXICO 87123
(505)299-4858

STATE OF NEW MEXICO )
COUNTY OF BERNALILLO ) SS

SUBSCRIBED AND SWORN TO BEFORE ME THIS 7th DAY OF May 1985
BY KENNETH H. SANDLIN

Joan E Hall
NOTARY PUBLIC

12/31/85
MY COMMISSION EXPIRES




VICINITY MAP
SCALE 1" = 400'
ZONE ATLAS MAP NO. H-16

RECEIVED
OCT 03 1985
HYDROLOGY SECTION

APPROVAL AND CONDITIONAL ACCEPTANCE, AS SPECIFIED BY THE ALBUQUERQUE SUBDIVISION ORDINANCE.

| | | |
|---|---|---|
| PLANNING DIRECTOR, CITY OF ALBUQUERQUE, NEW MEXICO | DATE | S.P. NO. |
| for Richard Dinn | 6-9-85 | |
| CITY ✓ SP-85-234 | COUNTY | |
| APPROVAL: Fred J Crayon, CITY ENGINEER, A.M.A.F.C.A. ALBUQUERQUE, N.M. | DATE: 6/3/85 | |
| APPROVAL: N. Miller, CITY SURVEYOR, ALBUQUERQUE, N.M. | DATE: 05288 85 | |
| APPROVAL: Robert A. Tessmer, TRAFFIC ENGINEER, ALBUQUERQUE, N.M. | DATE: 5-28-85 | |
| APPROVAL: Jon E. Evtsgaard, WATER RESOURCES, ALBUQUERQUE, N.M. | DATE: 5-28-85 | |
| APPROVAL: Mark Valdez, PARKS AND RECREATION, ALBUQUERQUE, N.M. | DATE: 5-28-85 | |
| APPROVAL: O. Val Valdez, CITY OF ALBUQUERQUE, N.M. PROPERTY MANAGEMENT | DATE: 6-11-85 | |