HYDROLOGY K16/D3 1 PLAN

K16/D3

1 Plan

DRAINAGE REPORT
WORD H. PAYNE ADDITION
UNIT 2
ALBUQUERQUE, NEW MEXICO

PREPARED FOR: WORD H. PAYNE COMPANY
829 PENNSYLVANIA STREET N.E.
ALBUQUERQUE, NEW MEXICO 87110
266-0300

PREPARED BY: RALPH K. HICKS & ASSOCIATES
8510 CHAMBERS PLACE N.E.
ALBUQUERQUE, NEW MEXICO 87111
821-3559

APRIL 1978

EXHIBIT "A" - SUBDIVISION PLAT

EXHIBIT "B" - GRADING PLAN

DRAINAGE REPORT
WORD H. PAYNE ADDITION
UNIT 2
ALBUQUERQUE, NEW MEXICO

GENERAL:

THIS REPORT CONSISTS OF A HYDROLOGIC STUDY OF DRAINAGE AFFECTING THE SUBDIVISION CAPTIONED ABOVE. THE SUBDIVISION IS LOCATED AT THE SOUTHWEST CORNER OF LEAD AVENUE S.E. AND CARLISLE BLVD. S.E. BEING FORMERLY LOTS 21, 22, 23 AND 24 BLOCK 54 UNIVERSITY HEIGHTS ADDITION; NOW BEING LOTS A, B, C, D, E & F BLOCK 54 WORD H. PAYNE ADDITION UNIT 2. THESE LOTS WERE ZONED FROM R-1 TO R-T AT THE LAND CONTROLS BOARD HEARING NOVEMBER 17, 1977 UNDER CASE NO. Z-77-171.

SPECIFIC:

THE DRAINAGE AREA CONSISTS OF 0.6520 ACRES, 28,400 SQUARE FEET AND SLOPES FROM EAST TO WEST APPROXIMATELY 4.50 PER CENT. A DEDCIATED TWENTY (20) FOOT ALLEY EXISTS IN THE REAR AND RUNS SOUTH FROM LEAD AVENUE S.E. WHICH ABUTS THE PROPERTY ON THE NORTH. A PERSONAL INSPECTION OF THE PREMISES WAS CONDUCTED BY ME AND THE EXISTING TOPOGRAPHY, OTHER THAN MINOR BRUSH AND RUBBLE, INDICATES NO EXCESSIVE FILL HAS BEEN PLACED ON THE PREMISES.

OFF SITE DRAINAGE AREAS:

NO PARTICULAR ATTENTION WAS PAID TO THE WATER CARRYING OF CARLISLE BLVD. S.E. OR LEAD AVE. S.E. OTHER THAN TO INSURE THAT IF "TOPPING" OF THE WEST OR SOUTH CURBS OCCURED THE FINISH FLOOR GRADES WOULD RENDER SUCH "TOPPING" HARMLESS.

ON SITE DRAINAGE:

THE AMOUNT OF STORM WATER TO BE CONSIDERED IS COMPUTED BY USING A 100-YEAR STORM, THIS BEING A STORM CONSISTING OF 100-YEAR, 6 HOURS PRECIPITATION AS SHOWN BY THE RAINFALL FREQUENCY MAPS FOR NEW MEXICO, JUNE 1967, PUBLISHED BY THE SPECIAL STUDIES BRANCH, OFFICE OF HYDROLOGY, UNITED STATES WEATHER BUREAU.

THE 100-YEAR 6 HOUR PRECIPITATION FACTOR IS 3.0 INCHES.

CALCULATIONS:

3.0 INCHES = 0.25 FEET

0.25 FEET X 28,400 FEET = 7,100 CU. FT.

THIS IS THE TOTAL AMOUNT OF STORM WATER THAT WILL BE DISPOSED OF BY PONDING THE WATER ON SITE.

COMPUTATIONS FOR THE PONDING NEEDS AND CAPABILITY FOR EACH LOT ARE DEFINED ON THE FOLLOWING SCHEDULE.

LOT LETTER	LOT AREA	VOLUME NEEDED	ACTUAL PONDING CAPABILITY
A	5,089	1,270	1,293
B	4,378	1,095	1,095
C	4,378	1,095	1,095
D	4,378	1,095	1,097
E	4,378	1,095	1,097
F	5,799	1,450	1,450

I HEREBY CERTIFY THAT IF THE FINISH GRADES, AND FINISH FLOOR GRADES AND PONDING ELEVATIONS ARE CONSTRUCTED PER THE ATTACHED GRADING PLAN, NO FLOOD DAMAGE WILL OCCUR TO THE DWELLINGS OF WORD H. PAYNE ADDITION UNIT NO. 2. NO CONSIDERATION OF PERCOLATION HAS BEEN INTRODUCED INTO THESE COMPUTATIONS TO INSURE A REASONABLE SAFETY FACTOR.

RESPECTFULLY SUBMITTED,

Ralph K. Hicks

RALPH K. HICKS
N.M.L.S. NO. 3307
APRIL 25, 1978

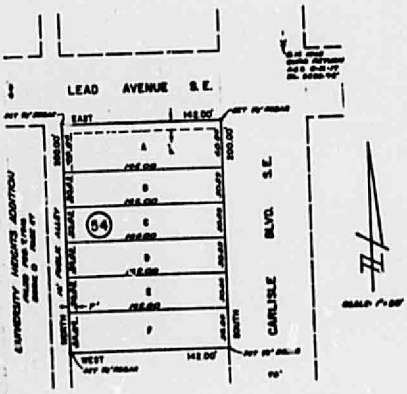
REGISTERED LAND SURVEYOR
STATE OF
3307
NEW MEX. CO.
RALPH K. HICKS

2

WORD H. PAYNE ADDITION UNIT 2

BEING A REPLAT OF LOTS 21, 22, 23, & 24 BLOCK 54
UNIVERSITY HEIGHTS ADDITION

ALBUQUERQUE, NEW MEXICO
JANUARY 1978



NOTES

1. 0.000 miles of streets created.
2. Plat contains 0.6550 acres.
3. Lands were zoned from R-1 to R-T by E.R.C. Land Controls Board Nov 17, 1977 Case No. 6-77-171
4. TALOS No. ST. 1-10-666

APPROVALS

City Engineer — Date

Assistant City Engineer, Hydrology - AMAFCA — Date

Traffic Engineer — 2-1-78 Date

Property Management — 2/1/78 Date

Public Service Co. of New Mexico — 2-2-78 Date

Mountain Bell — 2-1-78 Date

Gas Co. of New Mexico — 2-1-78 Date

APPROVAL AND CONDITIONAL ACCEPTANCE

Planning Director, City of Albuquerque, New Mexico

Date _____ Map No. K-14-Z

Subdivision No. _____

County _____ City _____

FREE CONSENT DEDICATION

The undersigned owners of the land hereon shown being Lots 21, 22, 23, and 24, Block 54, University Heights Addition to the City of Albuquerque, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico, on February 2, 1916, (now comprising Lots A, B, C, D, E and F, Block 54, Word H Payne Addition Unit 1, Albuquerque, New Mexico) do hereby certify that this replat is their free act and deed.

WORD H. PAYNE CO.

By: Word H. Payne
Word H. Payne - President

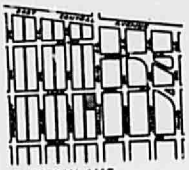
Attest: Vivian F. Payne
Vivian F. Payne - Secretary

STATE OF NEW MEXICO
COUNTY OF BERNALILLO } ss

The foregoing instrument was acknowledged before me this 27th day of Jan, 1978, by Word H. Payne and Vivian F. Payne, President and Secretary respectively, of Word H. Payne Co., a New Mexico corporation, on behalf of said corporation.

Ralph K. Hicks
Notary Public

My commission expires Feb. 10, 1978



LOCATION MAP

SURVEYOR'S CERTIFICATE

I, under the laws of the State of New Mexico, certify that I am a Registered Land Surveyor and that this plat was prepared by me from an actual ground survey, that it shows all easements of record, meets the City Detailed Design Standards for Surveying, and is true and correct to the best of my knowledge and belief.

Ralph K. Hicks — Jan 27, 1978
Ralph K. Hicks - N.M.L.S. No. 3207 — Date

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 11, 1978

Ralph Hicks
Ralph Hicks & Associates
8510 Chambers Pl.,NE
Albuquerque, New Mexico 87110

RE: Word H. Payne Addition, Unit 2

Dear Mr. Hicks:

I am in substantial agreement with the drainage concept submitted for the above referenced complex. The site grading plan, to be supplied with the construction plans, will have to be sufficiently detailed to allow ponds volume verfication (cross sections & dimensions) and mode of conveyance of the water to said ponds (existing and proposed contour lines).

An additional copy of the drainage report will be necessary for AMAFCA use.

Very truly yours,

Bruno Conegliano
Asst. City Engineer-Hydrology

BC/gm

cc; V.M. Kimmick
Jim Smith
Drainage file