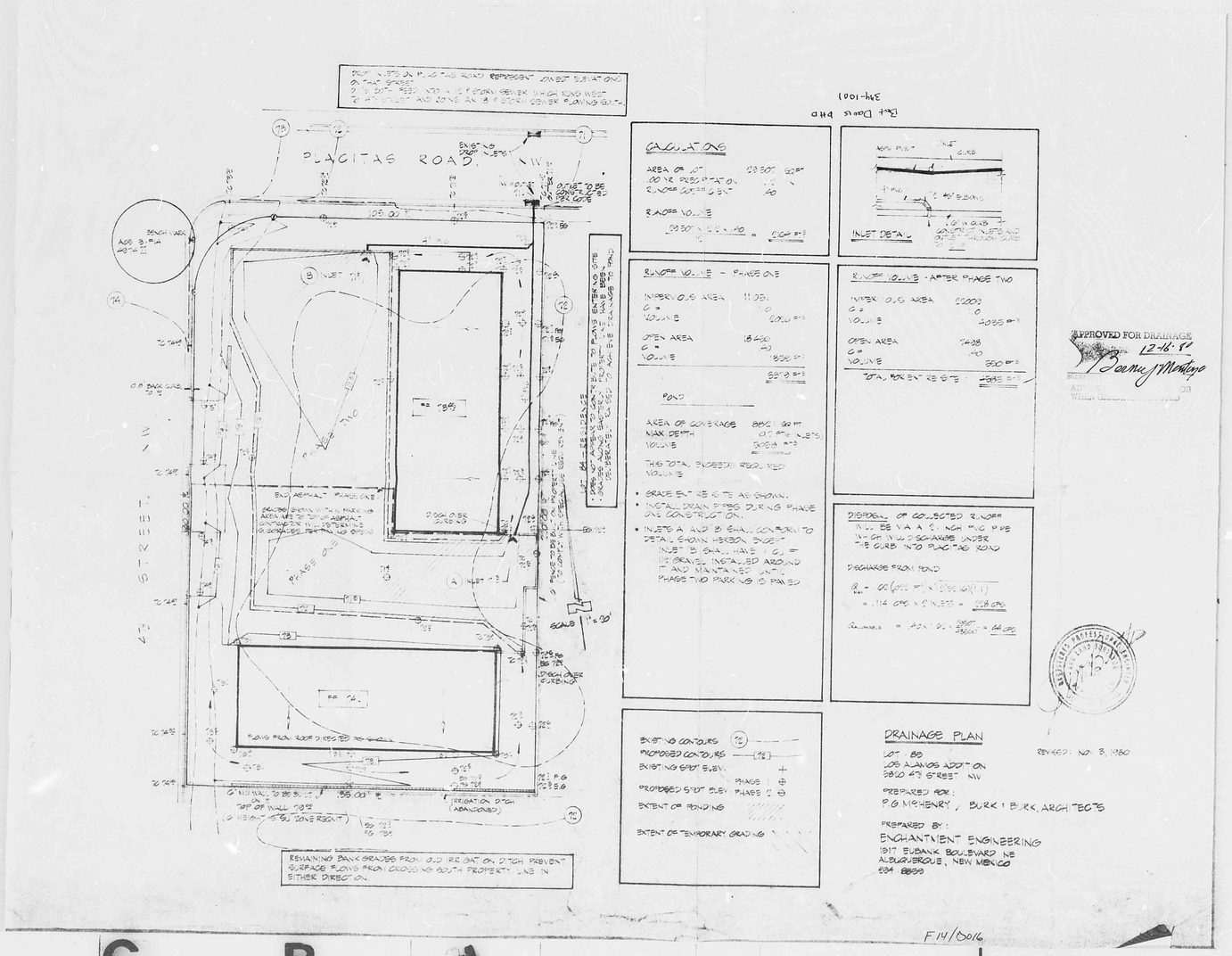

PLANS/PLATS ON FILE

FILE DESC: F-14/D016

PLANS/PLATS 2

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R# 21 DATE 2-24-93 OF 1 ESP 6
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OFFICIAL SEAL
NORBERTA S. NUNEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires MAY 8, 1995

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CITY OF ALBUQUERQUE

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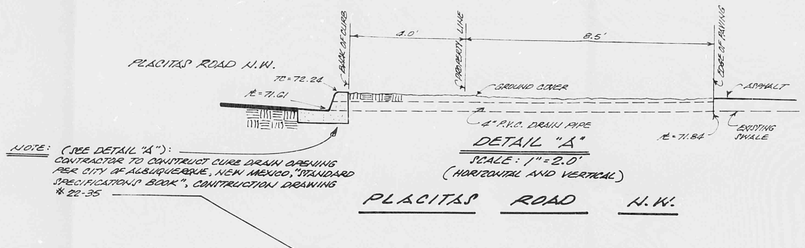
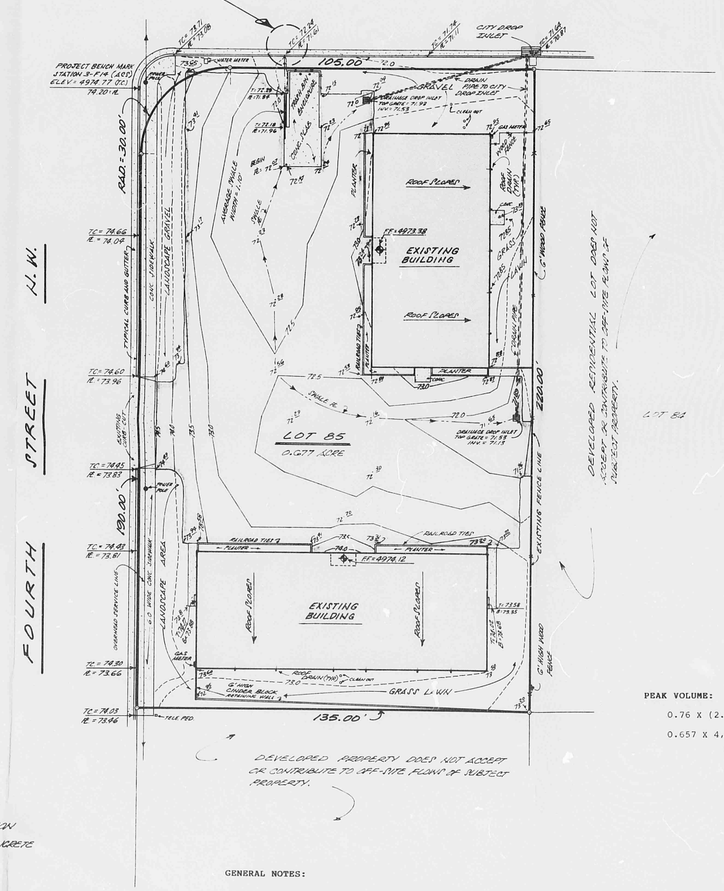


NOTE: (SEE DETAIL "A"): CONTRACTOR TO CONSTRUCT CURB DRAIN PER CITY OF ALBUQUERQUE, NEW MEXICO, "STANDARD SPECIFICATION'S BOOK", CONSTRUCTION DRAWING # 22-35



LEGAL DESCRIPTION:

LOT NUMBERED EIGHTY-FIVE (85) OF THE LOS ALAMOS ADDITION, AN ADDITION TO THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

BENCH MARK:

CITY OF ALBUQUERQUE - SURVEY DEPARTMENT SURVEY STATION " 3-P14 ", A SQUARE CHISLED ON TOP OF CURB LOCATED AT THE SOUTHEAST CORNE OF 4 th STREET N.W. AND PLACITAS ROAD N.W.; M.S.L. ELEVATION = 4974.768 .

LEGEND:

T.C. = 74.66	= TOP OF CURB ELEVATION
FL = 74.06	= CURB FLOW LINE ELEVATION
	= EXISTING OR PROPOSED CONCRETE
72	= EXISTING CONTOUR
70	= PROPOSED CONTOUR
	= EXISTING FENCE
73.00	= PROPOSED SPOT ELEVATION
	=

GENERAL NOTES:

1.) TOPOGRAPHY SURVEY PERFORMED BY THE "TRANSIT - STADIA" METHOD.

2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT PROPERTY OTHER THAN SHOWN ON THE MAP HEREON.

3.) ELEVATIONS SHOWN HEREON ARE REFERENCED TO "MEAN SEA LEVEL" DATUM.

4.) NO PROPERTY CORNERS HAVE BEEN SET PER THIS SURVEY.

DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE DRAWING HEREON WHICH SHOWS THE EXISTING "AS-BUILT" CONDITION(S) OF THE IMPROVEMENTS.

1.) EXISTING SURFACE DRAINAGE FLOWS.

2.) VICINITY MAP (ZONE MAP "F-14-Z").

3.) LEGAL DESCRIPTION.

4.) LIMITS AND CHARACTER OF THE EXISTING IMPROVEMENTS.

5.) DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP, THE SUBJECT SITE IS LOCATED AT THE SOUTHEAST CORNER OF FOURTH STREET N.W. AND PLACITAS ROAD N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

THE SUBJECT SITE, (1.) DOES NOT LIE WITHIN A FLOOD PLAIN, (2.) DOES NOT LIE ADJACENT TO AN ARTIFICIAL OR NATURAL WATER COURSE, (3.) HAS NO DRAINAGE EASEMENTS ON THE PROPERTY, (4.) DOES NOT CONTRIBUTE TO DOWNSTREAM FLOODING CONDITIONS, (5.) DOES NOT ACCEPT OR CONTRIBUTE TO OFF-SITE FLOWS OF ADJACENT PROPERTIES.

THE SURFACE DRAINAGE RUN-OFF OFF THE EXISTING IMPROVEMENTS ARE IN THE SAME MANNER AS CONSTRUCTED APPROXIMATELY 6 YEARS AGO, AND ARE AS FOLLOWS:

a.) THE SUBJECT PROJECT SITE IS 75% IMPERVIOUS IN THE PRESENT CONDITION.

b.) THE TOTAL DEVELOPMENT COMPRISES PHASE I AND PHASE II DEVELOPMENT AS SHOWN ON THE DRAINAGE PLAN SUBMITTAL OF THE SUBJECT SITE AS PREPARED BY ENCHANTMENT ENGINEERING, ALBUQUERQUE, NEW MEXICO, (JOHN W. BETTIS, P.E. & L.S. NO. 3441), AND DATED: REVISED NOVEMBER 3, 1980.

c.) PHASE I DEVELOPMENT AREA DRAINS TOWARDS AND INTO AN EXISTING DROP INLET LOCATED IN THE ASPHALT PARKING AREA AS SHOWN ON THE PLAN HEREON; PHASE II DEVELOPMENT AREA DRAINS PARTIALLY INTO AN EXISTING DROP INLET LOCATED IN THE ASPHALT PAVED PARKING AREA, AND PARTIALLY FREE DISCHARGES NORTHERLY INTO PLACITAS ROAD N.W. VIA AN ILLEGAL CURB OPENING; THIS ILLEGAL CURB OPENING WILL BE REPLACED BY S.O. # 19, (REFERENCE S.O. DRAWING # 22-35). THE AFOREMENTIONED DROP INLETS FOR PHASES I AND II BOTH DRAIN INTO THE CITY DROP INLET LOCATED AT APPROXIMATELY THE NORTHESAT CORNER OF THE SITE WITHIN THE PLACITAS ROAD N.W. RIGHT-OF-WAY.

DRAINAGE CALCULATIONS:

SITE AREA = 0.677 ACRES, (29,507.0 SQ. FT.)

TYPE OF SURFACE, (DEVELOPED):

HARD SURFACED (ASPHALT/CONCRETE)	= 0.34 AC.	= 50% X (C=0.95)	= 0.48
BUILDING ROOF AREA	= 0.17 AC.	= 24% X (C=0.90)	= 0.22
LANDSCAPED AREA	= 0.17 AC.	= 26% X (C=0.25)	= 0.06
		COMPOSITE "C"	= 0.76

RAINFALL: 100-YR., 6-HR., R_6 = 2.2 INCHES

TIME OF CONCENTRATION: T_c = TEN (10) MINUTES FOR A SITE THIS SIZE

RAINFALL INTENSITY: "I" = $R_6 \times 6.84 \times T_c^{-0.51} = 2.2 \times 6.84 \times (10)^{-0.51} = 4.65$ IN

PEAK VOLUME:

$0.76 \times (2.2/12) \times 29{,}507.0 = 4{,}111.3$ CU. FT. = V_{100}

$0.657 \times 4{,}111.3 = 2{,}701.1$ CU. FT. = V_{10}

PEAK DISCHARGE: (Q=CIA), EXISTING DEVELOPED:

$0.76 \times 4.65 \times 0.677 = 2.39$ cfs = Q_{100}

$0.657 \times 2.39 = 1.57$ cfs = Q_{10}

NOTICE TO CONTRACTOR:

1.) AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.

2.) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH "CONTRACT DOCUMENTS FOR CITY WIDE UTILITIES AND CASH PAVING NO. 31".

3.) TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING SURFACE AND SUB-SURFACE TILITIES.

4.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

5.) BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.

APPROVALS	NAME	DATE
A.C.E./DESIGN	Benny Montoya	10/8/87
CONTRACTOR		
A.C.E./FIELD		
PERMIT NO.		

RECEIVED
OCT 07 1987
HYDROLOGY SECTION

TOPOGRAPHY SURVEY AND DRAINAGE PLAN
OF
LOT 85
LOS ALAMOS ADDITION
BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 1987

MN 10/8/87 02/10

LEVI J. VALDEZ
NEW MEXICO
1008
10-8-87

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Karen Aaron
CITY CLERK RECORDER

OFFICIAL SEAL
NORBERTA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 11 MAY 8 1995
Norberta Sanchez

F-14/0016

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D