HYDROLOGY N9/D1 1 PLAN

C B A

C B A

N9/D1

1 Plan

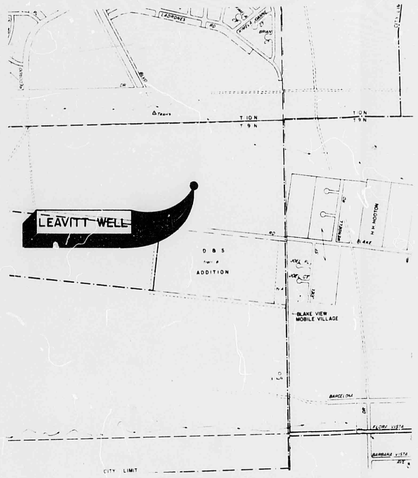
C 20 B 15 A 10

CITY OF ALBUQUERQUE

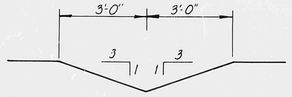
C

N-9/D1

AF 22440A



VICINITY MAP
SCALE: 1" = 1000'



TYPICAL SWALE SECTION
SCALE: 1/2" = 1'-0"

1. PROJECT LOCATION ON ZONE ATLAS MAP NO. N-9-Z (T-9N, R-2E), WITHIN MUNICIPAL LIMITS AND WITHIN CITY EASEMENT.
2. PROJECT LOCATION WILL NOT CONTRIBUTE TO A FLOOD HAZARD ZONE.
3. DRAINAGE ANALYSIS:

   TOTAL DEVELOPED AREA (INCLUDING ACCESS ROAD) = 1.628 ACRES
   TIME OF CONCENTRATION = 10 MIN.
   SCS HYDROLOGIC SOIL GROUP "B"
   C FACTOR BEFORE DEVELOPMENT = 0.34
   C FACTOR AFTER DEVELOPMENT = 0.64
   6-HOUR RAINFALL INTENSITY = 2.2 INCHES

   PEAK RATE RUNOFF BEFORE DEVELOPMENT:
   Qp = CiA
   Qp = 0.34 x (2.2" x 2.114) x 1.628

   PEAK RUNOFF BEFORE DEVELOPMENT = 2.57 CFS

   PEAK RATE RUNOFF AFTER DEVELOPMENT:
   Qp = 0.64 x (2.2" x 2.114) x 1.628

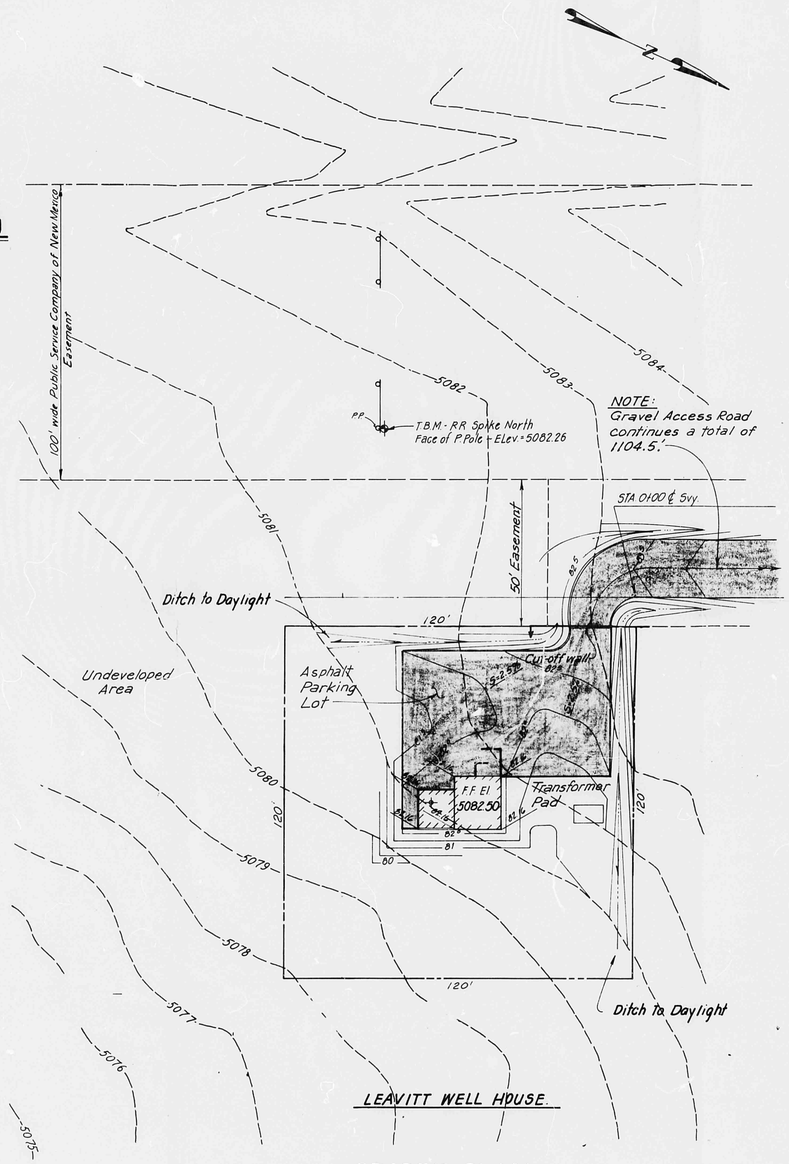
   PEAK RUNOFF AFTER DEVELOPMENT = 4.85 CFS

   INCREASE IN RUNOFF DUE TO DEVELOPMENT = 2.28 CFS

NOTES:
- A. DRAINAGE ANALYSIS USES RATIONAL METHOD
- B. DEVELOPMENT RUNOFF IS DIRECTED OFF-SITE VIA SWALES
- C. THERE ARE NO OFF-SITE FLOWS

LEGEND

EXISTING CONDITION		PROPOSED DEVELOPMENT	
----5080---	Contour		Building Site
——--——	Property Line		Road and Parking Area
		——81——	Finish Grade Contour
		→	Flow Arrow
		EL = 82.16	Spot Elevation



GRADING PLAN
SCALE: 1" = 20'

REVISED JUNE 7, 1985

RECEIVED
JUN 11 1985
HYDROLOGY SECTION

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

BENCH MARKS
ACS Bench Mark: A M9-
Located in a Powerpole in N.W. corner of 86th St. & Sage Intersection - A GO Penny nail on the W. side of powerpole
Elev.= 5093.09

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
INSPECTORS
FIELD CHANGE BY — DATE
REVISIONS BY
DETAILS BY — DATE
CORRECTION BY
MICRO-FILM INFORMATION — DATE
RECORDED BY
NO — DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY E.C.L.	DATE April, 1985
		DRAWN BY K.H.K.	DATE April, 1985
		CHECKED BY W.W.W.	DATE April, 1985

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: BURTON AND LEAVITT WELL EQUIPMENT - 1985
DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.- Design			Traffic		
A.C.E.- Hydrology			Water		

DRAWING NO.
PROJECT NO. 2499
MAP NO.
SHEET 2 OF 2

CITY OF ALBUQUERQUE
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