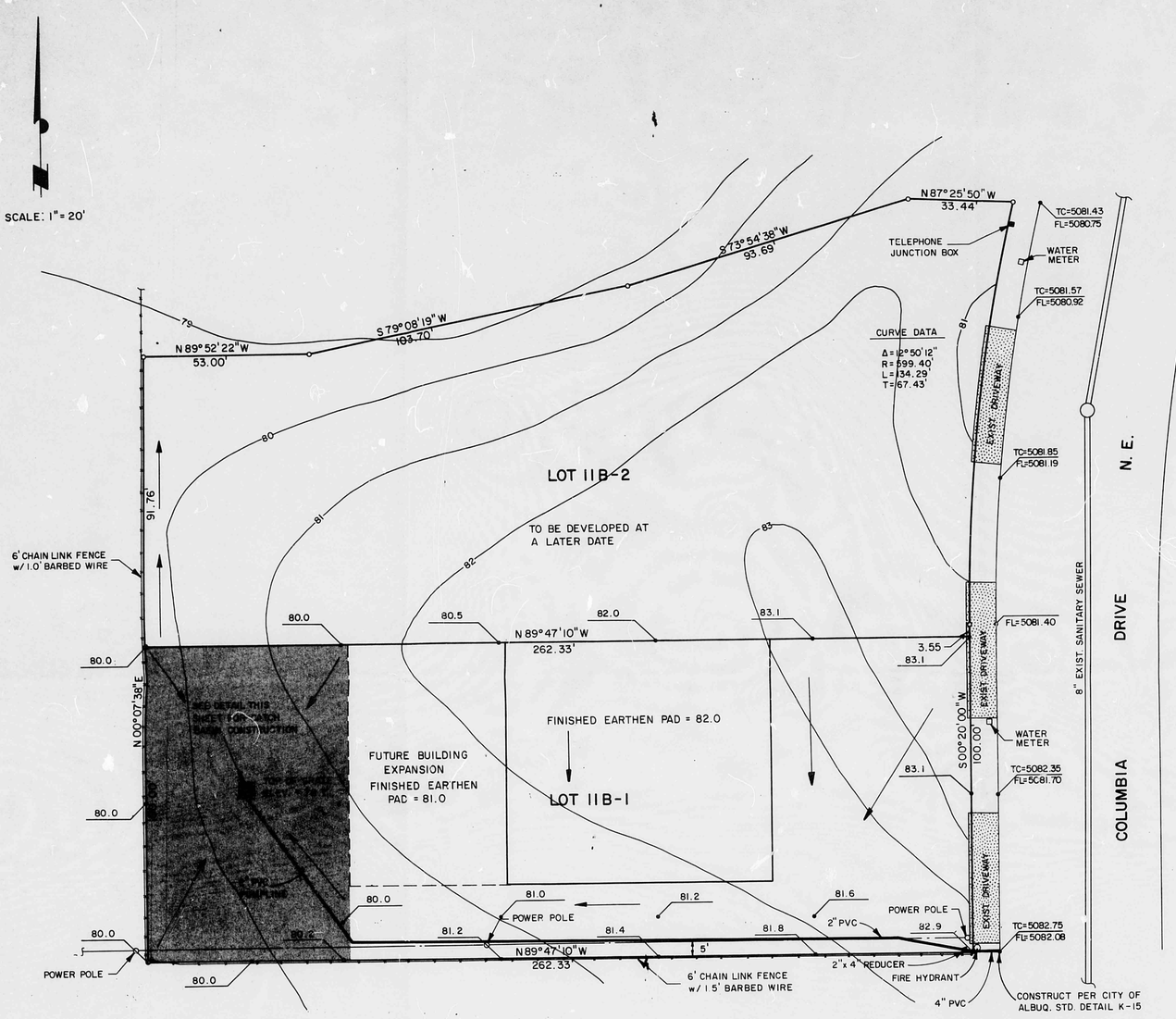
HYDROLOGY

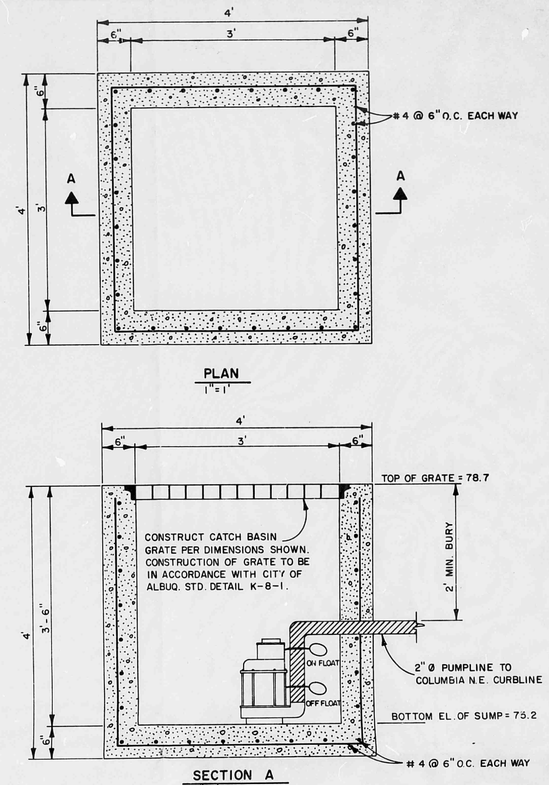
G15/D17
1 PLAN

G15/D17

1 PLAN

G-15-6





CATCH BASIN AND PUMP DETAIL

A. HISTORY

The location of the parce is illustrated on the City of Albuquerque Zoning Atlas Map Number G-15. A 6,460 square foot building will be constructed on the southern 100 feet of the parcel which will consist of an area of .60 acres.

B. FLOOD HAZARD

The site does not exist within a flood plain area as is illustrated on Housing and Urban Development Map Number 9.

C. OFF SITE CONDITIONS

No off site runoff enters the site.

D. ON SITE CONDITIONS

97% of the site is considered to be impervious (paving and roofed.) For matters of simplifying calculations, it will be assumed that 100% of the parcel will be impervious.

E. REQUIRED STORAGE VOLUME

Runoff Coefficient : Paving and Roofed = 0.90
Volume : ((0.90)(2.2)(26,230))/12 = 4328cf

F. PROPOSED SOLUTION

The flow calculated above will be routed to the western end of the property where a drain consisting of a submersible pump will be installed. The pump will be sized to pump 50 gpm at a TDH of 25 feet. The stormwater will be pumped to the western curb and gutter flow line on Columbia Drive, N.E. via a two (2) inch PVC pipe.

The parking lot in the western end of the parcel (shaded portion) has the capicity to store the required volume above. The 100 year storm volume within the parking area would be evacuated via the sump pump in approximately 11 hours.

LEGEND

—81— EXISTING CONTOURS

80.0 FINISHED SPOT ELEVATIONS

GARY W. TIBLJAS NEW MEXICO 8117 REGISTERED PROFESSIONAL CIVIL ENGINEER

DATE 1/9/84

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	

REFERENCES	
MAP NO. G-15-Z	W.O. NO.
EST. NO.	

REVISIONS		
NO.	DATE	REMARKS	BY

DESIGNED BY G.W.T. DATE
DRAWN BY P.H. DATE
CHECKED BY DATE

BENCH MARKS
AAA SITE T-3 ELEVATION 5079.035 FROM THE INTERSECTION OF CANDELARIA ROAD AND I-25 EAST FRONTAGE ROAD, GO NORTH ON EAST FRONTAGE ROAD FOR 0.25 MILE TO STATION ON THE LEFT. STATION IS A STANDARD USCE BRASS CAP SET IN CONCRETE POST PROJECTING ONE (1) FOOT ABOVE THE GROUND.

AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: LOT 11-B-1 UNIT 7
CUTTER INDUSTRIAL PARK
BOB DAVIS MASONRY

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

DRAWING NO. SHEET OF

D.G.A. JOB NO. 704.12

G-15-6