HYDROLOGY

G15/D4
1 PLAN

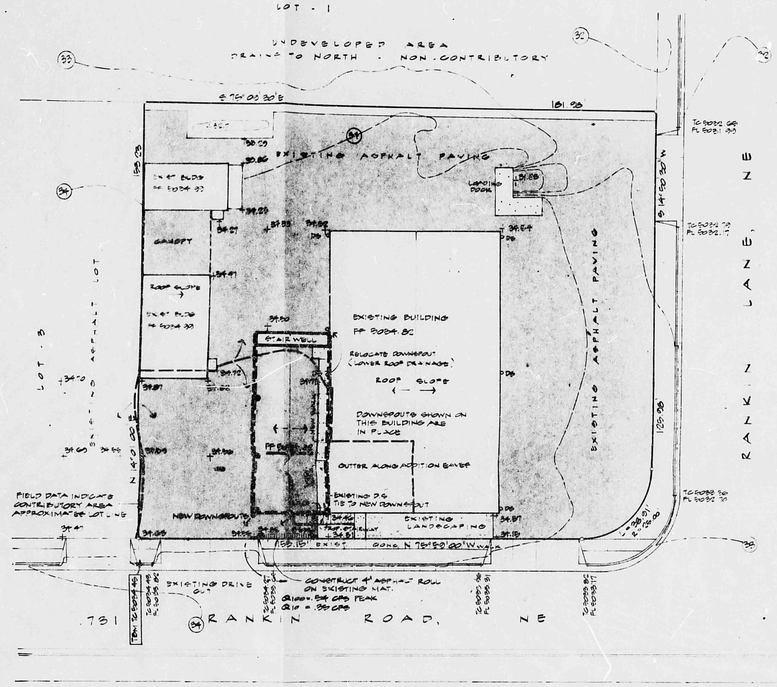
G15/D4

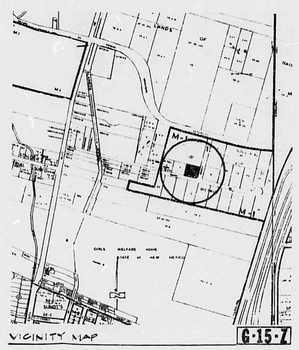
1 Plan

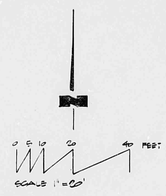
D 24 | C 20 | B 16 | A 12

CITY OF ALBUQUERQUE

C D







BENCH MARK

4.018 A 40d NAIL IN POWER POLE IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF SMITH BOULEVARD NE & GRIEGOS ROAD, NE

ELEV. 4995.39

T.B.N.

TOP OF CURB ADJACENT TO SOUTHWEST CORNER OF PROPERTY

ELEV. 5024.45

LEGEND

CONTOUR INTERVAL ONE FOOT (1.0')

5010 EXISTING CONTOUR

5010 PROPOSED CONTOUR

+ 56.00 EXISTING SPOT ELEVATION

56.00 PROPOSED SPOT ELEVATION

DIVISION OF CONTRIBUTORY AREAS

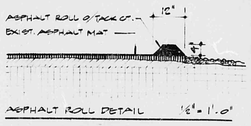
NO SITE GRADING ANTICIPATED

CONTRACTOR SHALL BE RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT FROM SITE TO PUBLIC RIGHT-OF-WAY DURING EXCAVATION FOR COLUMN PAD.

38' x 1.0' ASPHALT ROLL

38' IS MINIMUM SUGGESTED CONTRACTOR MAY SUBSTITUTE A TALLER SECTION.

OUTLINE OF ELEVATED BUILDING



DATA

AREA	2.848 SQ. FT. (.065 AC)
SLOPE	1%
TIME OF CONCENTRATION	10 MINUTES
RAINFALL	0.8 INCHES
INTENSITY (0.8 x 2.86 x 10")	4.80 IN/HR.

EXISTING ON-SITE CONDITIONS

SITE IS EXISTING COMMERCIAL DEVELOPMENT WITH 2 BUILDINGS, ASPHALT DRIVE & STORAGE YARD. SITE IS 100% DEVELOPED.

AREA COVERED BY PROPOSED ADDITION CURRENTLY DRAINS THROUGH SITE NO DRAINS OUT TO RANKIN ROAD. NO EVIDENCE OF FLOODING NOTED IN THIS AREA

THE ADDITION IS DESIGNED IN COLUMNS. FINISH FLOOR SHALL BE 10.00 FEET HIGHER THAN EXISTING BUILDING FLOOR.

ROOF RUNOFF IS TO BE DIRECTED VIA GUTTERS AND DOWNSPOUTS TO SOUTH SIDE OF ADDITION

NOTE: 1) CENTER DOWNSPOUT RELOCATION ON WEST SIDE OF EXIST. NO BUILDING

2) DOWNSPOUT ON SOUTHWEST CORNER OF EXISTING BUILDING SHALL BE TIED TO NEAREST NEW DOWNSPOUT

ASPHALT ROLL ALONG SOUTH OF EXIST. NO MAT SHALL BE INSTALLED TO INSURE DRAINAGE IS DIRECTED THROUGH DRIVE

ONLY DIRECT RUNOFF AREA COVERED BY THE PROPOSED ADDITION IS INCLUDED IN THIS STUDY.

AREA	0.10 ACRES
IMPERVIOUS COVERAGE	100%
C-FACTOR	.90

Q100 = .90 x .8 x 4.80 x .10 = .34 CFS, PEAK

Q10 = .90 x .8 x 3.00 = .22 CFS

DISCHARGE TO RANKIN ROAD

UPSTREAM CONTRIBUTORY FLOWS

N/A FOR THIS STUDY.

REMAINDER OF LOT ACCEPTED AS HISTORIC CONDITION

SITE IS NOT IN DEFINED FLOOD ZONE

DOWNSTREAM RUNOFF RATES

NO CHANGE

DISCUSSION

DIRECT DISCHARGE TO RANKIN ROAD ALLOWED THIS DEVELOPMENT DOES NOT ALTER EXPECTED PEAK DOWNSTREAM FLOW RATES OR MAKE VOLUMES.

Richard Hall

7-20-87

DESCRIPTION OF PROPERTY

LOT - C
BLOCK - C
GUTIAN INDUSTRIAL DISTRICT
ALBUQUERQUE, NEW MEXICO

781 RANKIN ROAD, NE

PETERSON SALES COMPANY

JULY 1987
REVISED NOTES, MARCH 1987

RECEIVED
JUL 20 1987
HYDROLOGY SECTION

HALL ENGINEERING COMPANY INC.
ENGINEERING • SURVEYING • PLANNING • CONSTRUCTION
6840 2ND ST., N.W., SUITE 306 • ALBUQUERQUE, NEW MEXICO 87107
PHONE: (505) 345-1064

87-538

CITY OF ALBUQUERQUE
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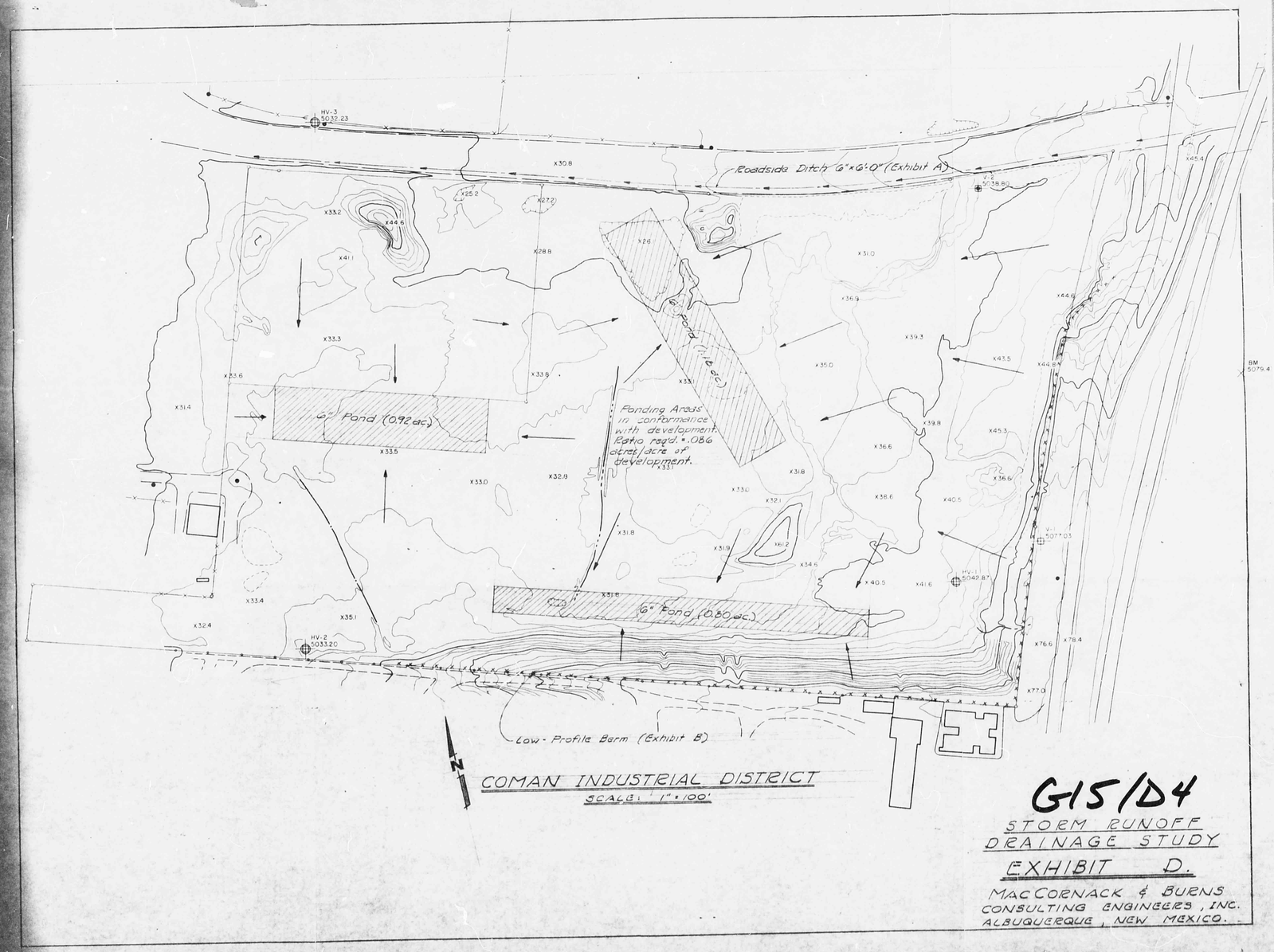
B 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D

HYDROLOGY

G15/D4
TWO PLAN

G 15-D4

2 PLANS



COMAN INDUSTRIAL DISTRICT

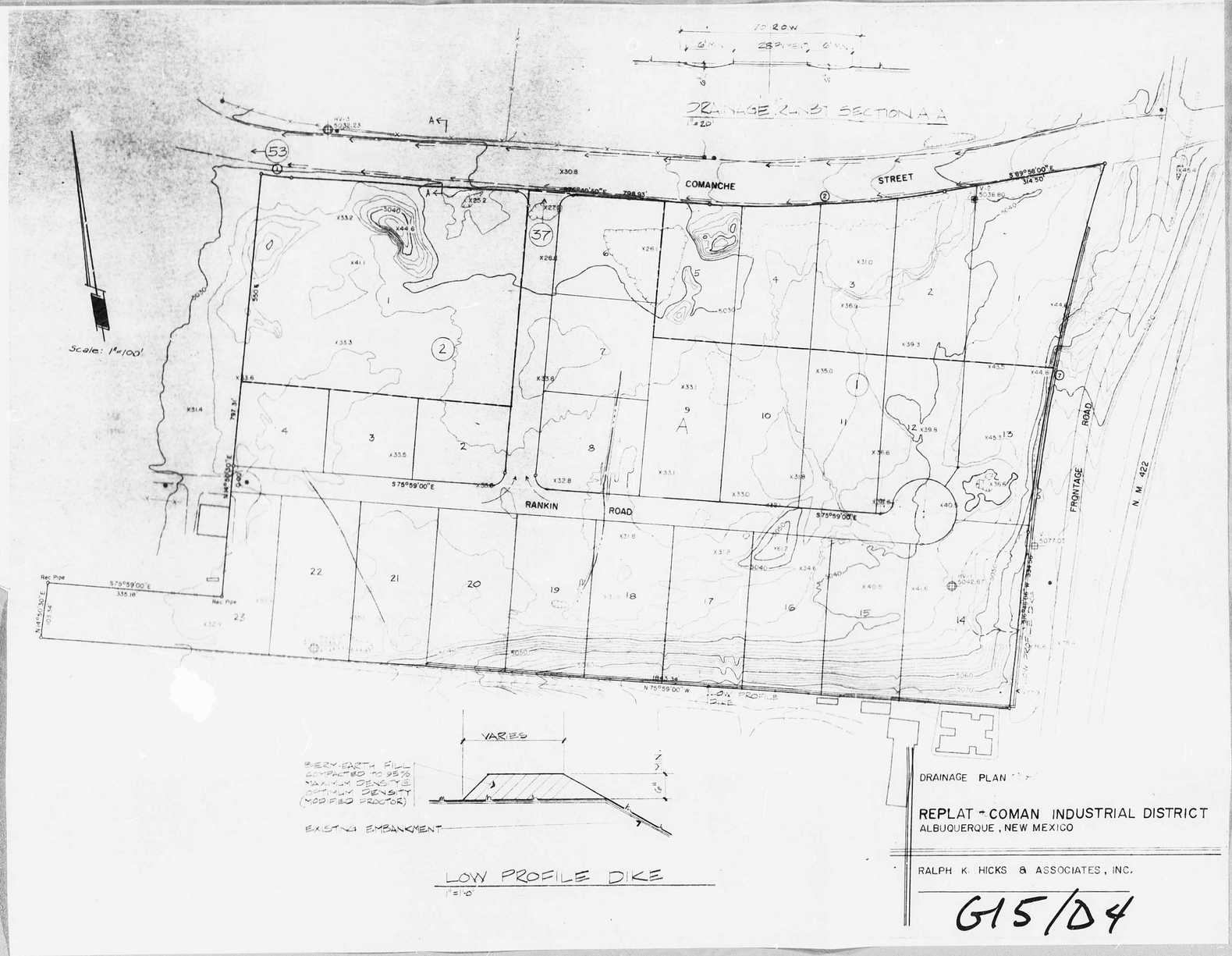
SCALE: 1" = 100'

G15/D4

STORM RUNOFF DRAINAGE STUDY

EXHIBIT D.

MACCORNACK & BURNS
CONSULTING ENGINEERS, INC.
ALBUQUERQUE, NEW MEXICO.


COMANCHE STREET
RANKIN ROAD
FRONTAGE ROAD
N M 422
Scale: 1"=100'
DRAINAGE LAND SECTION A-A
VARIES
EXISTING EMBANKMENT
LOW PROFILE DIKE
DRAINAGE PLAN
REPLAT - COMAN INDUSTRIAL DISTRICT
ALBUQUERQUE, NEW MEXICO
RALPH K. HICKS & ASSOCIATES, INC.

G15/D4