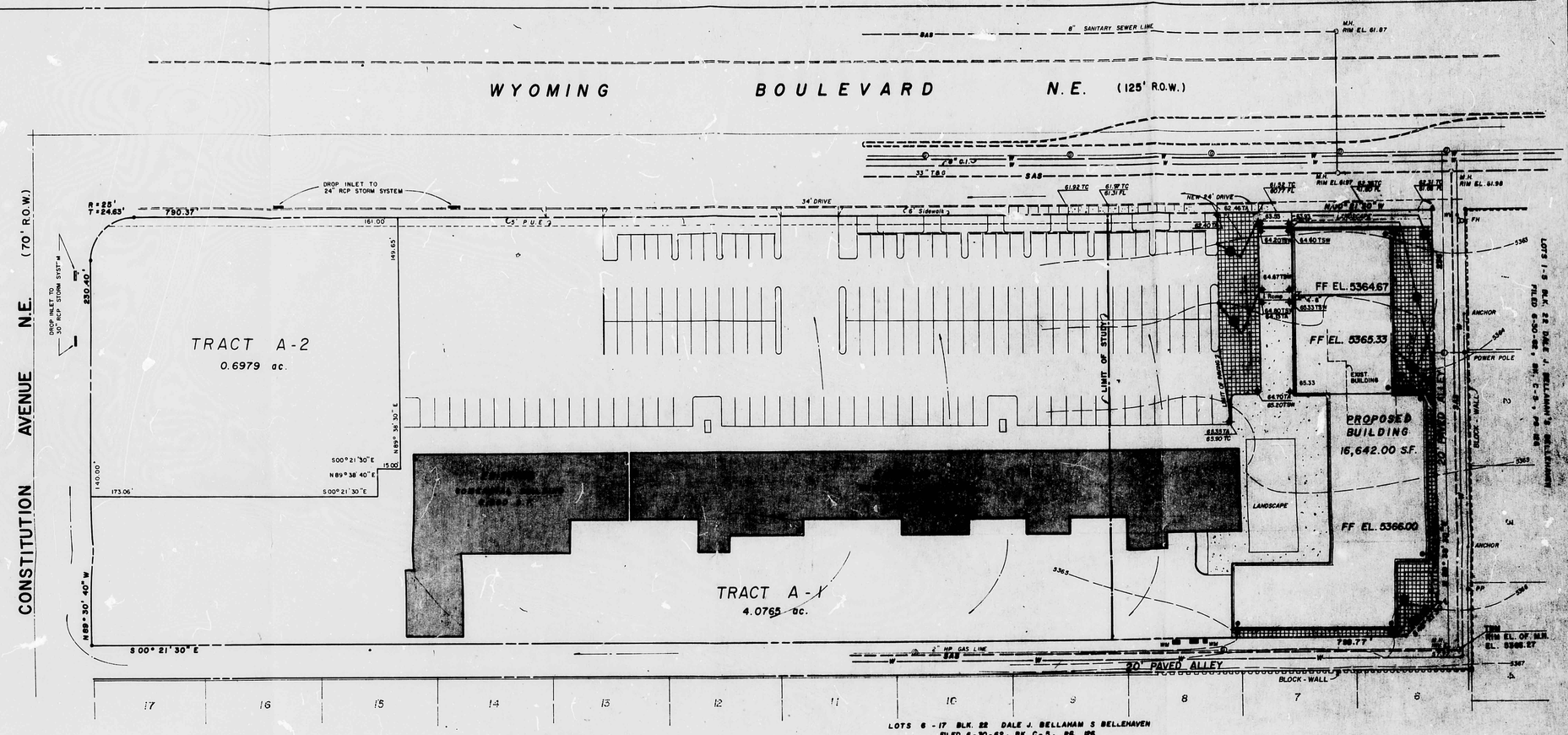


SCALE: 1" = 30'

DATA

AREA OF THE SITE	1.0744 ac.	46,800 SF
SLOPE	1.40 % E TO W	
SOILS GROUP	B	
TIME OF CONCENTRATION	10 MINUTES	
RAINFALL (PL 22-2 D-1 DPM)	2.38 IN.	
INTENSITY I	= (6.84)(R 1/T) = 5.03 IN/HR	

EXISTING CONDITION

SITE IS ENTIRELY PAVED WITH AN EXISTING BUILDING
IMPERVIOUS COVERAGE 1.43 %

C-FACTOR

TYPE OF SURFACE	"C"	AREA (SF)	C x A
BUILDING	0.90	5,811	5,230
ASPHALT	0.95	40,319	38,303
LANDSCAPE	0.25	670	168

WEIGHTED "C" FACTOR 43,701 / 46,800 = 0.94

Q_{100} = CIA = (0.94)(5.03)(1.0744) = 5.08 cfs

Q_{10} = 0.625 Q_{100} = 3.18 cfs

EXISTING RUNOFF DISCHARGES ONTO WYOMING BLVD ON THE EAST

OFF-SITE FLOW

THE SITE IS SURROUNDED BY A CONCRETE BLOCK WALL ON NORTH AND EAST BOUNDRY WHICH IS INTERCEPTING THE OFF-SITE FLOW

PROPOSED SITE RUN-OFF

C-FACTOR

TYPE OF SURFACE	"C"	AREA (SF)	C x A
BUILDING	0.90	20,542	18,488
ASPHALT	0.95	24,858	23,615
LANDSCAPE	0.25	1,400	350

WEIGHTED "C" FACTOR 42,453 / 46,800 = 0.91

Q_{100} = CIA = (0.91)(5.03)(1.0744) = 4.92 cfs

Q_{10} = 0.625 Q_{100} = 3.07 cfs

DECREASE IN PEAK RUNOFF = -0.16 cfs
THE SITE IS NOT LOCATED IN A FLOOD ZONE

LEGAL DESCRIPTION

NORTH 200' OF TRACT "A-1" BLOCK 22
DALE J. BELLAMAN'S BELLEHAVEN
ALBUQUERQUE, NEW MEXICO

BENCHMARK INFORMATION

STATION NM ACS "5-J19, 1979" LOCATED AT THE SW CORNER OF THE INTERSECTION OF CONSTITUTION AVE. NE AND WYOMING BLVD. NE
ELEVATION = 5360.37 FEET

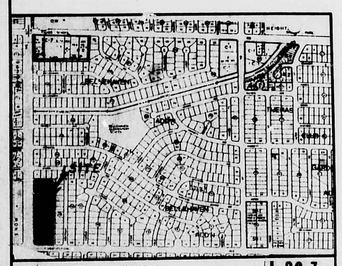
EROSION CONTROL STATEMENT

THE BUILDING WILL BE PLACED ON THE TOP OF EXISTING PAVING, THEREFOR THE EROSION WILL BE MINIMAL.

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC R.O.W OR INTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING BERM AT THE PROPERTY LINE AND WETTING THE SOIL TO KEEP IT FROM BLOWING.

LEGEND

5366	EXISTING CONTOUR
2	PROPOSED CONTOUR
61.92 TC	EXISTING SPOT ELEVATION
62.45 TA	PROPOSED SPOT ELEVATION
TC	TOP OF CURB
TA	TOP OF ASPHALT
FL	FLOW LINE
	DIRECTION OF ROOF DRAIN FLOW DIRECTION
	NEW PAVEMENT
TSW	TOP OF SIDEWALK



VICINTY MAP J-20-Z

GRADING AND DRAINAGE PLAN
FOR
NORTH 200'
OF
TRACT "A-1" BLOCK 22
DALE J. BELLAMAH S BELLEHAVEN
(BELLEHAVEN SHOPPING CENTER)

RICHARD V. HALL NEW MEXICO No. 7911 REGISTERED PROFESSIONAL ENGINEER

RECEIVED JUN 06 1986 HYDROLOGY SECTION

JUNE 6, 1986

HALL ENGINEERING COMPANY INC.
527 [illegible]
ALBUQUERQUE, NEW MEXICO
PHONE [illegible]

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

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CITY OF ALBUQUERQUE

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