GRADING/PAVING PLAN

The following items concerning PARK PLAZA CONDOS (1331 Park Avenue SW) Bernalillo County, Albuquerque, New Mexico are contained hereon:

1.) Vicinity Map 2.) Flood Map 3.) Drainage Calculations

EXISTING CONDITIONS

As shown by the vicinity map, the site contains 2.02 +- acres and is located south of the intersection of Central Avenue and 14th Street SW. The site is fully developed with a 13,584 +- SF ground floor building with associated paved parking and landscaped areas. According to the Flood Insurance Rate Map Panel 0333D, Dated September 20,1996, the site is located within a 500-year flood zone.

PROPOSED CONDITIONS

As shown by the Grading/Paving Plan, the project consists of an existing 14 story condo building with associated paved parking and landscape areas. The areas where the asphalt has deteriorated beyond repair, will be removed repair and overlayed (4766 +- SF). Then the complete site will be tack coated and overlayed with a 1 ½" thick hot asphalt mix. The grades will be kept to their original layout with only an increase of the 1 ½" overlay. The calculations which appear hereon, analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The procedure for 40 acres and smaller basins, as set forth in the Revision of Section 22.2 Hydrology of the Development Process Manual Volume 2, Design Criteria Dated 1997 has been used to quantify the peak rate of discharge and volume of run-off generated..

Park Plaza Condos AREA = 2.02 ac.
REPAIR&OVERLAY
ZONE 2
PRECIPITATION: 360 = 2.35 in.
1440 = 2.75 in.
10day = 3.95 in.

	EXCESS PRECIPITATION:	PEAK DISCHARGE:	
TREATMENT A	0.53 in.	1.56	cfs/ac.
TREATMENT B	0.78 in.	2.28	cfs/ac.
TREATMENT C	1.13 in.	3.14	cfs/ac.
TREATMENT D	2.12 in.	4.70	cfs/ac.

EXISTING CONDITIONS:	AREA	PROPOSED CONDITIONS: AREA
TREATMENT A	0 ac.	0 ac.
TREATMENT B	0 ac.	0 ac.
TREATMENT C	0.41 ac.	0.415 ac.
TREATMENT D	1.6 ac.	1.6 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.53)x(0.00)+(0.78)x(0.00)+(1.13)x(0.41)+(2.12)x(1.60)/ 2.02
= 1.91 in.
V100-360 = (1.91)x(2.02)/ 12 = 0.321699 ac-ft = 14013 cf

EXISTING PEAK DISCHARGE:

Q100 = (1.56)x(0.00)+(2.28)x(0.00)+(3.14)x(0.41)+(4.70)x(1.60)= 8.82

PROPOSED EXCESS PRECIPITATION:

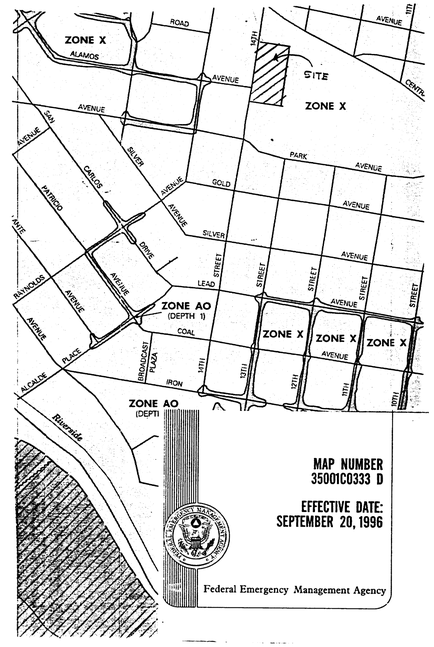
Weighted E = (0.53)x(0.00)+(0.78)x(0.00)+(1.13)x(0.41)+(2.12)x(1.60)/ 2.02
= 1.91 in.
V100-360 = (1.91)x(2.02)/ 12.0 = 0.321699 ac-ft = 14013 cf

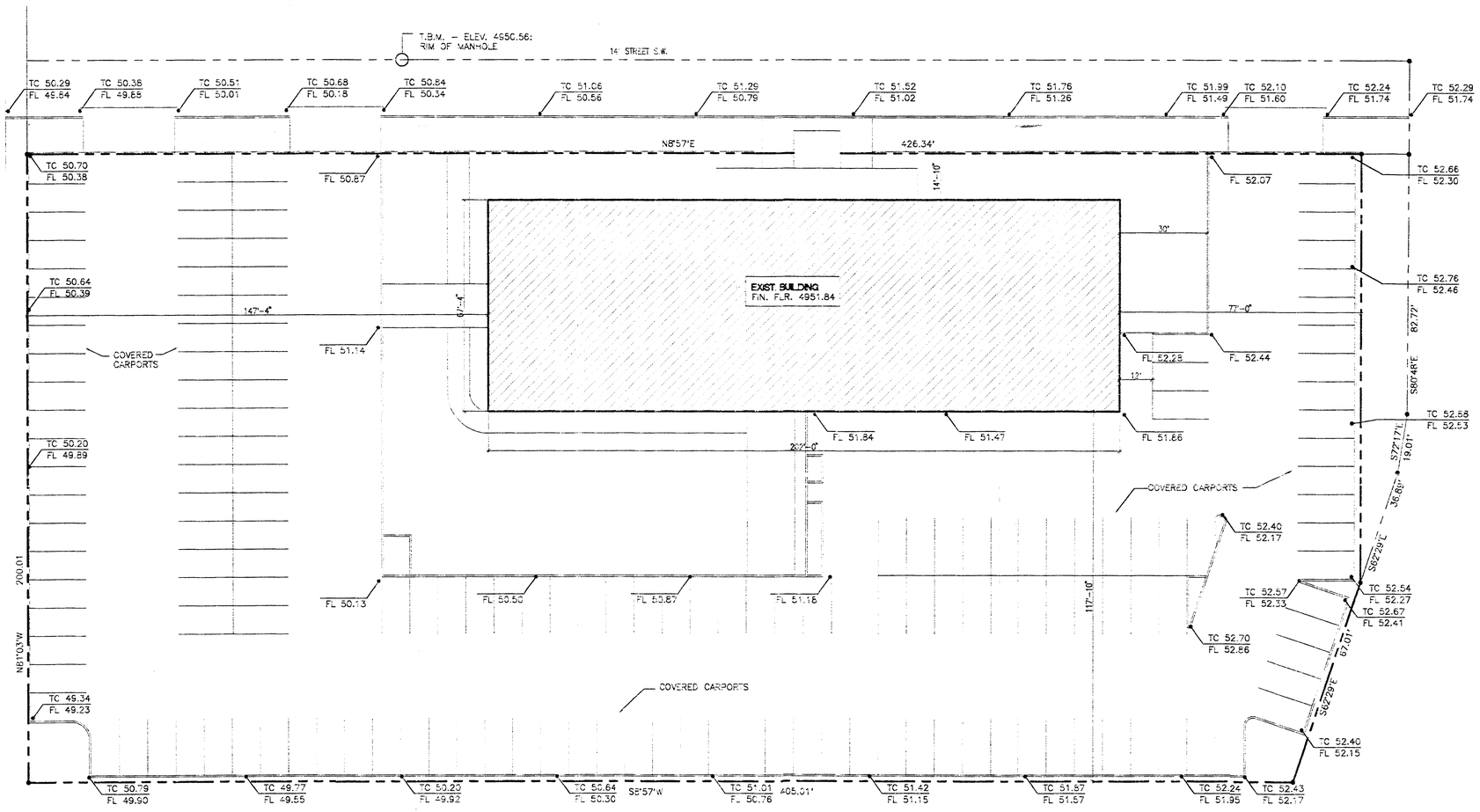
V100-1440 = (0.32)+(1.60)x(2.75 - 2.35)/ 12 = 0.375032 ac-ft = 16336 cf

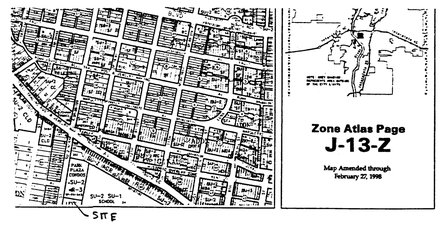
V100-10day = (0.32)+(1.60)x(3.95 - 2.35)/ 12 = 0.535032 ac-ft = 23306 cf

PROPOSED PEAK DISCHARGE:

Q100 = (1.56)x(0.00)+(2.28)x(0.00)+(3.14)x(0.41)+(4.70)x(1.60)= 8.82







LEGEND

TC 0.00 / FL 0.00 EXISTING

BENCH MARK

ELEV. 4946.403: AN ACS BRASS CAP SET IN CONCRETE FLUSH WITH GROUND, GUARDED BY A 2" DIA. PIPE PROJECTING APPROX. 3' ABOVE GROUND. MARKER IS WEST OF THE STOVER AVE. ENTRANCE TO RIO GRANDE, AROUND AN 'S' CURVE, AND 17' NE OF THE CENTERLINE OF KIT CARSON AVE. S.E.

GRADING/PAVING PLAN FOR PARK PLAZA CONDOS

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SCALE: 1" = 20'

GRAPHIC SCALE

LEGAL DESCRIPTION

LOT 5-A
BLOCK 14
FAIRGROUNDS ADDITION
ALBUQUERQUE, NM

PARK PLAZA CONDOS
ALBUQUERQUE, NEW MEXICO

REVISION DATE

RECEIVED
AUG 09 1999
HYDROLOGY SECTION

DATE
8-5-99

SHEET NUMBER
C-1