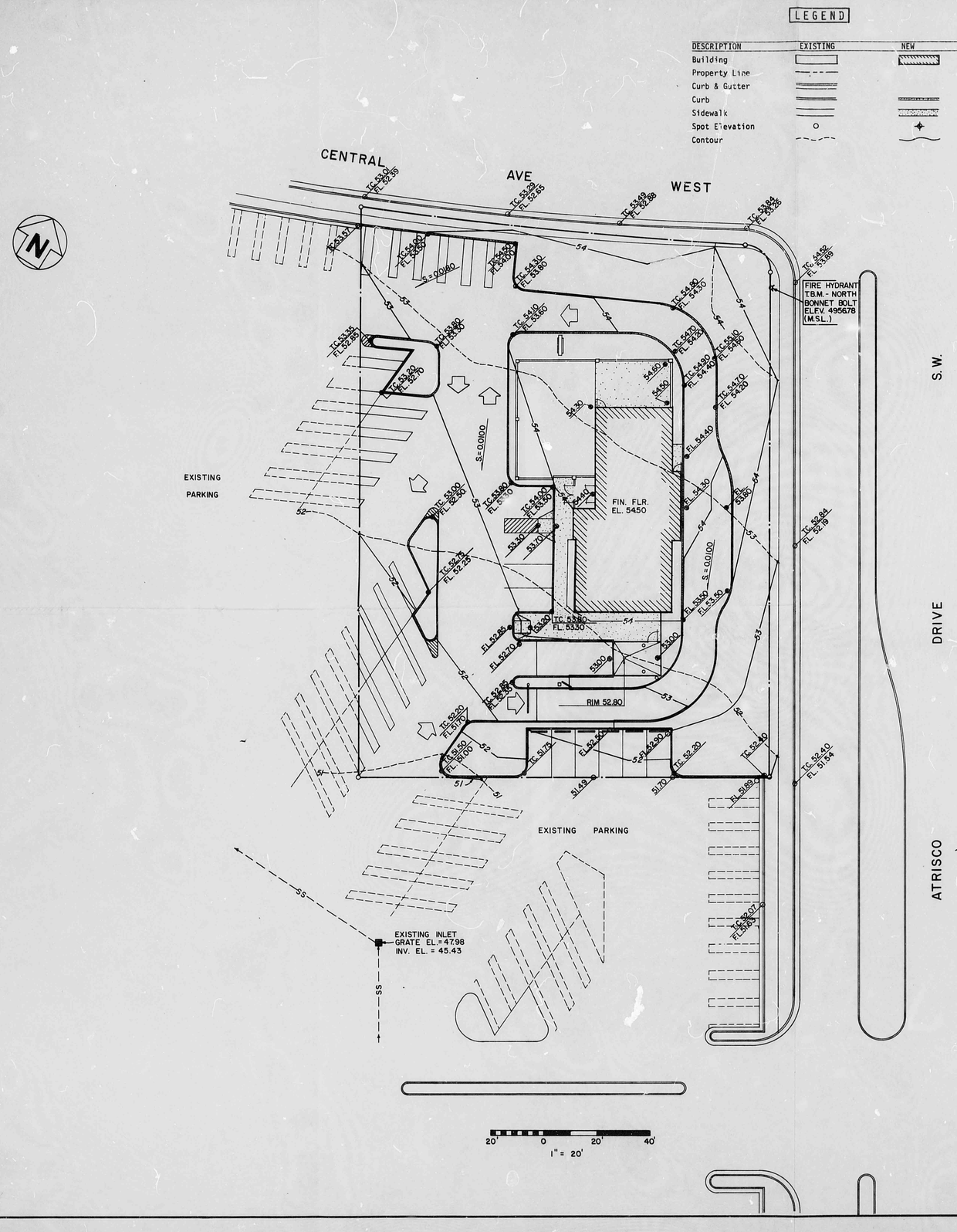
HYDROLOGY K12/D11 BURGER KING CENTRAL & ATRISCO

K 12 / D 11

BURGER KING

CENTRAL + ATRISCO

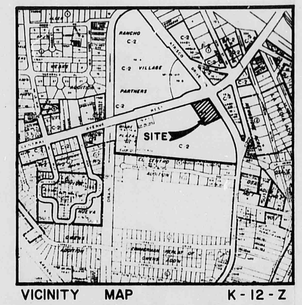
1 plan



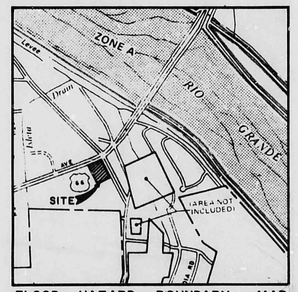
Legal Description:

Tract 'A' of the plat of Coogan & Walters and Southwestern Land Development Corp., Albuquerque, Bernalillo County, New Mexico.

Bench Mark: T.B.M. Located near the Northeast Property Corner.
North bonnet bolt, top of Fire Hydrant.
Elev. = 4956.78 (M.S.L.)



VICINITY MAP K-12-Z



FLOOD HAZARD BOUNDARY MAP

The proposed site development is located on the southwest corner of the intersection of Central Ave. and Atrisco Drive and contains approximately 0.73 acres. The site is not located in the flood hazard zone as shown on the plane.

The existing site is currently paved with an approximate slope of 0.015 from northeast to southwest. Flows south of the property are transported south by existing grades. Existing flows from Central Ave. and Atrisco Drive are transported by existing curb and gutter to the downstream direction. An existing storm line is located approximately 60' south of the property which will remain in place.

Developed condition will be approximately 35' x 80' restaurant with associated landscaping area. Grading of the site will be essentially the same as the existing grades. Due to the reduced peak flow rate and total volume, no ponding will be provided.

The grading plan shows; existing and proposed finished grades indicated by contours at 1'-0" intervals and selected spot elevations. It also shows continuity between proposed and existing elevations.

If developed as shown, the site will not be susceptable to flooding nor will it increase the threat of flooding to down-stream areas.

Existing Condition:

Total Area = 0.73 AC (All Paved)
Q100 = 2.2x2.3x0.95x0.73 = 3.51 cfs
Volume = $\frac{2.3x0.95x0.73x43500}{12}$ = 5790 ft^3

Developed Condition:

Landscaping Area = 6260 ft^2 = 0.14 AC
Combined C Factor = $\frac{0.14x0.3+(0.73-0.14)x0.95}{0.73}$ = 0.82
Q100 = 2.2x2.3x0.82x0.73 = 3.03 cfs
Volume = $\frac{2.3x0.82x0.73x43560}{12}$ = 4997 ft^3

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HYDROLOGY SECTION

VICTOR JACHEZ 9078 STATE OF NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

4/4/84

DRAINAGE PLAN FOR: BURGER KING CORPORATION

PREPARED BY:
CHAVEZ / GRIEVES CONSULTING ENGINEERS, INC.
4-4-84

SITE LOCATION: CENTRAL & ATRISCO

K12-D11