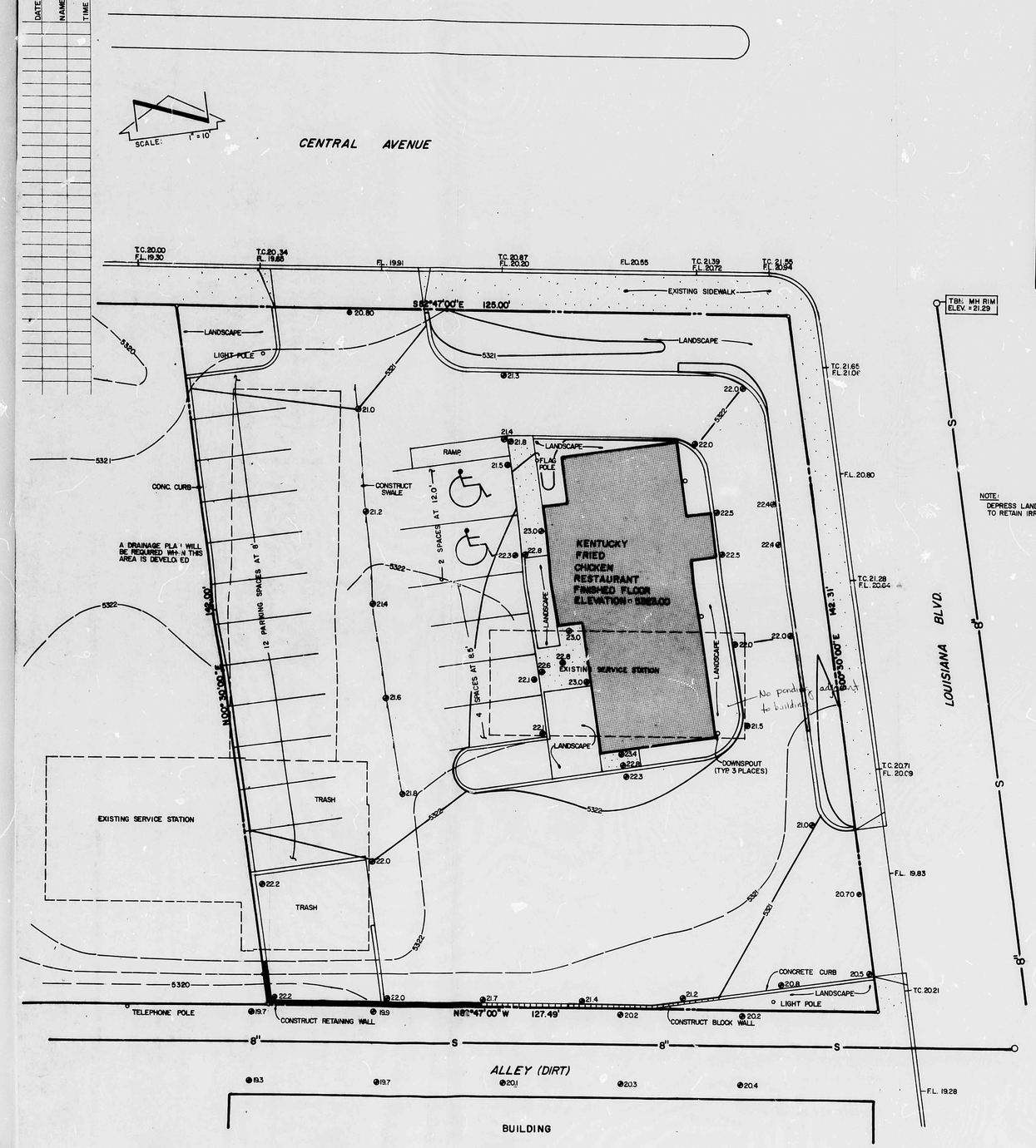
HYDROLOGY K18/D8 1 PLAN

K18/D8

1 PLAN

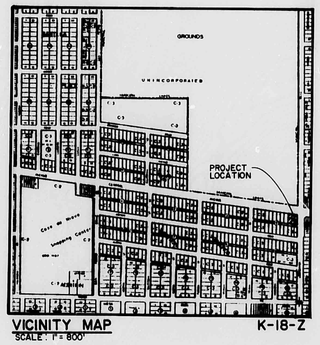
CITY OF ALBUQUERQUE

DATE	NAME	TIME

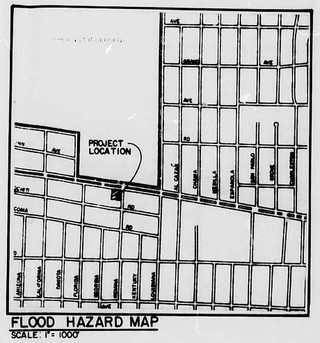


TBM: MH RIM ELEV. = 21.29

NOTE:
DEPRESS LANDSCAPED AREAS TO RETAIN IRRIGATION WATERS



VICINITY MAP K-18-Z
SCALE: 1" = 800'



FLOOD HAZARD MAP
SCALE: 1" = 1000'

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEV.
- PROPOSED SPOT ELEV.

LEGAL DESCRIPTION

LOTS 11 & 12 AND A PORTION OF LOT 10 BLOCK 4, FAIR GROUNDS ADDITION.

SOILS

MADUREZ - WINK MWA

BENCHMARK

CITY OF ALBUQUERQUE BRASS CAP
7-K19 ELEVATION = 5323.31

DRAINAGE PLAN

The following items concerning the Kentucky Fried Chicken on Central Drainage Plan are contained hereon:

1. Vicinity Map
2. Flood Hazard Map
3. Grading Plan
4. Calculations

The proposed building is located in the southwest quadrant of the intersection of Central Avenue and Louisiana Boulevard N.E. The building will be used for the sale of fast foods plus associated parking for customers and employees.

The site is currently occupied by a filling station. Essentially 100 percent of the site is impervious. The site is covered by either structure or asphalt. At present the site drains either into Central or Louisiana. Only a portion of the total site is being utilized by Kentucky Fried Chicken. The finished site will be graded so that it will drain into Central and Louisiana as before. The site will be higher than the alley on the south, essentially even with the remainder of the property on the west. It will be higher than Central and Louisiana. The finished floor of the building has been established at 5,323.00 which is approximately one foot (1') higher than the flood elevation established by the City of Albuquerque Master Drainage Plan. Since the existing site is essentially 100 percent impervious, ponding will not be provided with the new facilities; however, there will be landscaped areas with the new facility and they will be depressed to hold the irrigation waters so that there will be no runoff from irrigations. Also, the landscaped areas will reduce the total amount of flow discharged from the project site. The project (1) lies partially in a flood hazard area, (2) does not lie adjacent to a natural or artificial water course and (3) has no drainage easements on the property.

The Grading Plan shows (1) existing contours at 1'-0" intervals, (2) proposed grades indicated by spot elevations and contours, (3) swales, (4) continuity between proposed and existing elevations, (5) that sidewalks are adjacent to the property line and higher than top-of-curb, (6) that all runoff will be conveyed directly from the site into the adjacent streets, (7) that a retaining wall will be required at the southwest corner of the property and (8) erosion will not result from upland runoff or the proposed construction activities.

Calculations

Area of Parcel = 0.41 ac

Pervious Area = 0.06 ac

Impervious Area = 0.35 ac

Composite 'C' $= 0.40\left(\frac{.06}{.41}\right) + 0.95\left(\frac{.35}{.41}\right) = 0.87$

Undeveloped Runoff = 0.95(5.4)0.41 = 2.1 cfs

Developed Runoff = 0.87(5.4))).41 = 1.9 cfs

Architect

Engineer 11/9/81

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NOV 11 1981
ENGINEERING

PROJECT

THE BURNS/PETERS GROUP
Architects & Planners
8000 Pennsylvania Circle NE
Albuquerque, New Mexico
87110 505 265 3645

Date

Sheet No.

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