HYDROLOGY

K18/D30
ONE PLAN

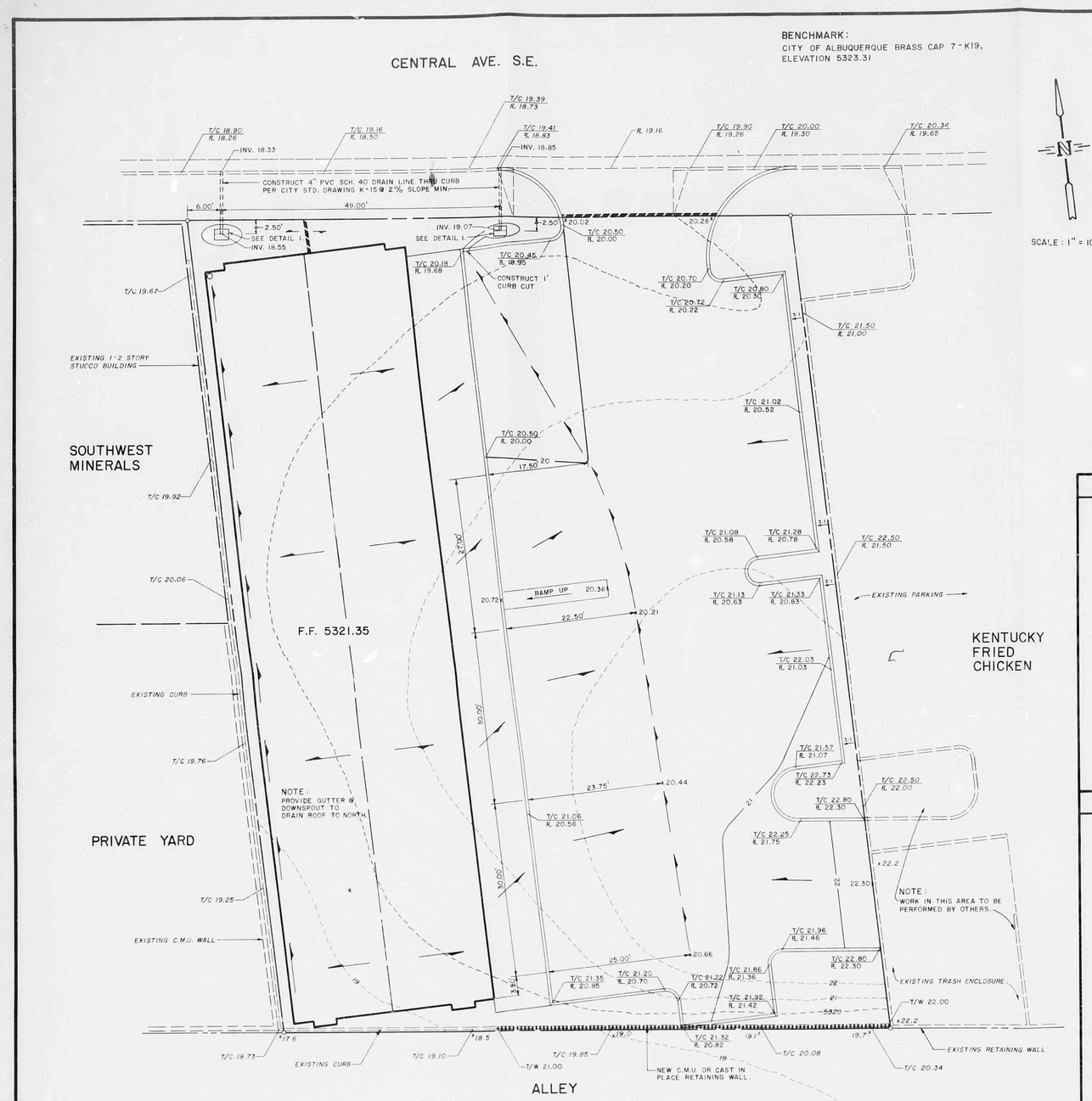
K 18-D30

1 PLAN

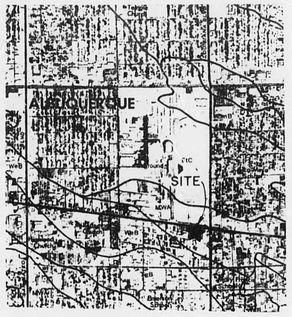
ROUTE 66 PLAZA

7010 A CENTRAL AVE. S.E.

GRADING & DRAINAGE PLAN

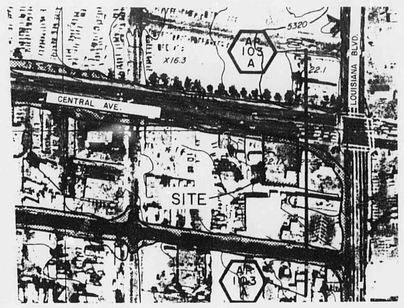


SOILS MAP *From Soil Survey, Bernalillo County - U.S.D.A., S.C.S.*



MAP NO. 31

FLOOD HAZARD MAP *From ALBUQUERQUE MASTER DRAINAGE STUDY*



MAP NO. K-18

SOILS INFORMATION

Soil series and map symbols	Degree and kind of limitations for— Septic tank absorption fields	Sewage lagoons	Shallow excavations	Dwellings without basements	Sanitary landfill (trench type)[1]	Local road and streets	Suitability as source of— Road fill	Sand	Gravel	Topsoil	Soil features affecting— Pond reservoir areas	Dikes, levees, and other embankments	Hydrologic soil group
*Madurez: MaB, MbC, MWA, MWB. For Bluepoint part of MbC, see Bluepoint series; for Wink part of MWA and MWB, see Wink series.	Slight	Moderate: seepage.	Slight	Moderate: shrink swell.	Slight	Moderate: shrink swell.	Moderate: shrink swell.	Unsuited	Unsuited	Good for sandy loam. Poor for heavy fine sand: too sandy.	Slope if more than 3 percent.	Low strength; piping.	B

DESCRIPTION:

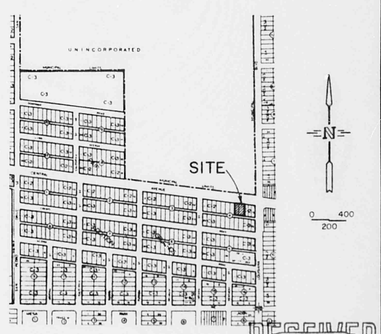
MWA—Madurez-Wink association, gently sloping. This mapping unit is about 55 percent a Madurez fine sandy loam that has 1 to 5 percent slopes and 25 percent a Wink fine sandy loam that has 1 to 7 percent slopes. It is on the East and West Mesas.

The gently sloping Madurez soil is mainly on slightly convex piedmont fans. It has the profile described as representative of the Madurez series. The gently sloping Wink soil is on the sides of low ridges. It has a profile similar to that described as representative of the Wink series, but the surface layer is about 4 inches thick.

Included in this unit in mapping are areas of Blueport, Pajarito, and Latene soils, which make up about 20 percent of the unit.

Runoff is slow, and the hazard of soil blowing is moderate to severe.

VICINITY MAP *From City of Albuquerque Zone Atlas Map No. K-18*



ZONE ATLAS MAP NO. K-18

LEGAL DESCRIPTION:
LOT 8A, BLOCK 4, FAIR-GROUND ADDITION

RECEIVED
AUG 16 1985
HYDROLOGY SECTION

DRAINAGE INFORMATION

HYDROLOGY:

AP #	DA AC	H FT	S FT/FT	L FT	T_C MIN	SOIL TYPE	% IMP	CN	C	P_2 IN	P_{10} IN	P_{100} IN	i_2 IN/HR	i_{10} IN/HR	i_{100} IN/HR	V_2 FT^3	V_{10} FT^3	V_{100} FT^3	Q_2 CFS	Q_{10} CFS	Q_{100} CFS
EXIST.	.34	N/A	N/A	N/A	10	B	0	79	.34	1.2	1.5	2.3	2.7	3.2	5.0	185	308	863	.3	.4	.6
DEV.	.34	N/A	N/A	N/A	10	B	90	96	.82	1.2	1.5	2.3	2.7	3.2	5.0	1,050	1,360	2,345	.8	.9	1.4

TEXT:

EXISTING CONDITIONS

The site is currently vacant, having previously been developed as a gas station. The site is bounded on all sides by curb such that no runoff enters the site from off-site. The site is shown to be in a flood hazard zone, however, the construction of the "Fairgrounds Relief Storm Drain System" in 1982 eliminated the flooding in this reach of Central Avenue.

DEVELOPED CONDITIONS

This is an INFILL project and the construction of the large storm drain systems immediately upstream and at Central and San Pedro, just downstream provide more than sufficient street capacity. A small amount of retention ponding is provided at the upstream end of the two pipe outlets to the street to mitigate any nuisance flows produced by the proposed development.

GENERAL NOTES

CONSTRUCTION SAFETY

These drawings do not include necessary components for construction safety which shall remain the contractor's responsibility.

Two (2) working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.

Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with minimum amount of delay.

All utilities and utility service lines shall be installed prior to paving.

Backfill compaction shall be according to specified street use.

EROSION CONTROL

The site will be fully developed immediately. Erosion problems generated by phased development will not, therefore, be a problem.

Construction Phase: The contractor shall exercise reasonable care during construction to prevent the movement of sediment from the site into the street. Loose soil stockpiled in the street during utility connection activities shall be protected from being carried downstream by flowing water in the street.

NO.	REVISIONS	BY	DATE

ROUTE 66 PLAZA

GRADING & DRAINAGE PLAN

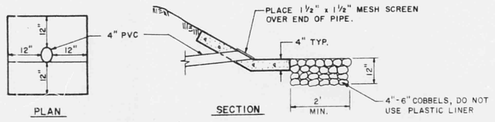
EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
5643 Paradise Blvd. N.W.
Albuquerque, New Mexico 87114

Designed:	Drawn: M.S.	Checked:	Sheet 1 of 1
Job No: 504701	Date: AUGUST, 1985		

K18/D30

LEGEND

EXISTING INFORMATION	T/C 21.26
PROPOSED INFORMATION	T/C 21.26
EXISTING CONTOURS	----20----
PROPOSED CONTOURS	——20——
DRAINAGE DIVIDE	
DIRECTION OF FLOW	



DETAIL I
N.T.S.