HYDROLOGY K18/D27 1 PLAN

K18/D27

1 Plan

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CITY OF ALBUQUERQUE

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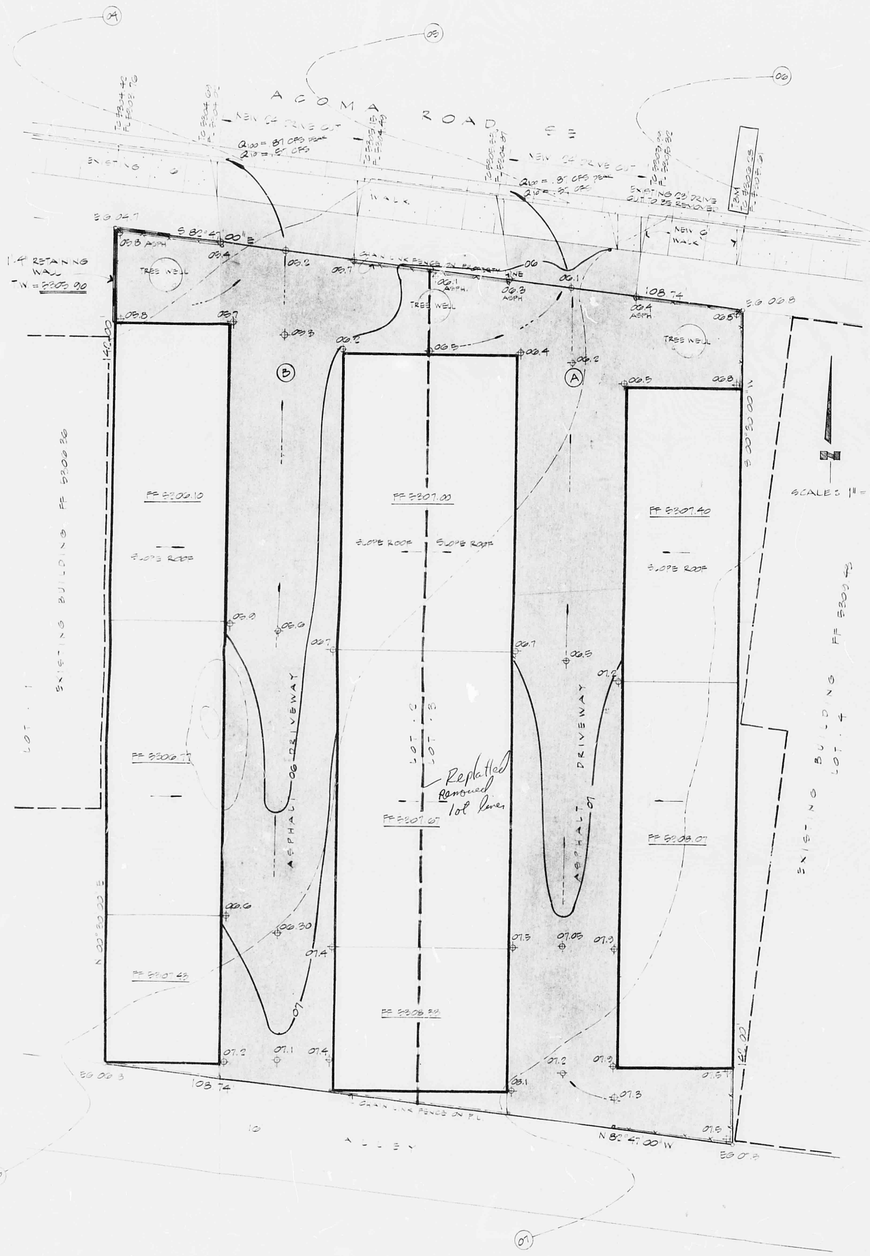
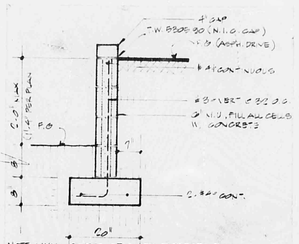
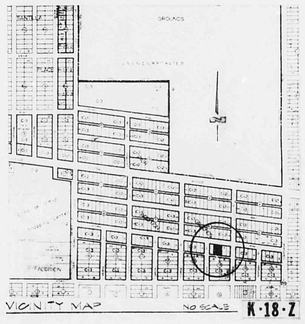




NOTE: WALL CONSTRUCTION BY SEPARATE PERMIT
RETAINING WALL DETAIL

NOTE TO CONTRACTOR

1. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL AND ABATEMENT OF SEDIMENT TO ABUTTING STREET RIGHT-OF-WAY AND PRIVATE PARCELS.



BENCH MARK

7-K19 ACS BRASS CAP SET IN CONCRETE CYLINDER IN THE GROUND STAMPED "7-K19, 1974 ACS", 68.9 FT EAST OF ℄ ON LOUISIANA BLVD. AND 126.7 FT SOUTH OF ℄ ON THE WESTBOUND LANES OF CENTRAL AVENUE
ELEV. 5213.308

TBM

TOP OF CURB ADJACENT TO NE CORNER OF SITE
ELEV. 5209.08

LEGEND

CONTOUR INTERVAL = ONE FOOT
(09) EXISTING CONTOUR
(08) PROPOSED CONTOUR
+5.0 EXISTING SPOT ELEVATION
+5.0 PROPOSED SPOT ELEVATION

ELEVATIONS SHOWN REPRESENT FINISHED SURFACES. CONTRACTOR SHALL DETERMINE APPROPRIATE SUBGRADES.

DOWN-STREAM ANALYSIS

1. INFILL SITE
2. MINIMUM IMPACT ON ADJACENT LOTS.
3. THIS WILL BE AN IMPROVEMENT FROM THE FAIRGROUNDS SYSTEM WHICH WILL MEAN REDUCED FLOODING.
4. PONDING RELEASE ON A 4" PIPE IS 0.5 CFS. WE ARE RELEASING 0.87 CFS FREE DISCHARGE.
5. THIS IS A PROPOSED SITE.

CALCULATIONS

AREA OF SITE	18,998 SQ FT (.436 AC)
SLOPE	0 %
SOIL GROUP	B
DEVELOPED COVERAGE	90%
MODIFIED C FACTOR	.90 (.95 C2 .01 DPH)
100-YEAR RAINFALL	0.8 IN (.95 C2 .01 DPH)
TIME OF CONCENTRATION	10 MINUTES
INTENSITY	5.5 IN HR (.95 C2 .01 I)

OFFSITE CONTRIBUTORY RUNOFF

NONE. BOTH SITES LOTS ADJACENT THIS SITE ARE DEVELOPED EXISTING BUILDINGS ON OR NEAR EACH SITE LOT LINE NEITHER CONTRIBUTES TO SITE.

ANALYSIS RUNOFF

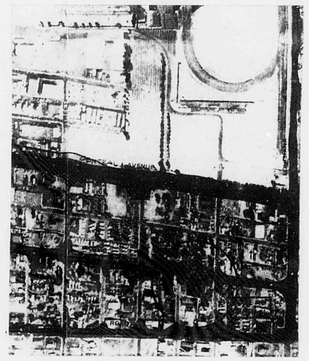
SITE IS DIVIDED INTO TWO SEPARATE ANALYSIS AREAS DIVISION IS ALONG EXISTING INTERIOR LOT LINE AND CENTERED ON BEARING WALL IN MIDDLE BUILDING

BOTH AREAS SHOWN ARE SIMILAR IN AREA SLOPE & BUILDING. CALCULATIONS APPLY TO BOTH AREAS

$Q_{100} = 0.54 \times 5.4 \times 0.852 = 0.62$ CFS — UNDEVELOPED ON-SITE CONDITIONS
$Q_{10} = 0.67\ Q_{100} = 0.42$ CFS
$Q_{100} = 0.92 \times 5.4 \times 0.852 = 0.87$ CFS — DEVELOPED ON-SITE CONDITIONS
$Q_{10} = 0.67\ Q_{100} = 0.57$ CFS

REMARKS

- SEE SECTION 12 F.I.R.M. PANEL 30 OF 50 BELOW
- FREE RELEASE TO ACOMA ROAD ALLOWABLE
- ACOMA ROAD IS IN AO FLOOD ZONE PER MAP. BUILDING FLOOR ELEVATIONS HAVE BEEN RAISED A MINIMUM OF 12 FEET ABOVE HIGHEST ADJACENT CURB PLAN LINE



DRAINAGE PLAN

2608 ACOMA ROAD SE
LOTS 2 & 3
BLOCK 14
FAIR GROUNDS ADDITION
ALBUQUERQUE, NEW MEXICO

PREPARED FROM NOTES TAKEN APR. 8, 1983

RECEIVED
AUG 05 1985
HYDROLOGY SECTION

TECH Inc.
333 East Main
Farmington,
New Mexico

DRAINAGE PLAN
LOTS 2 & 3
BLOCK 14
FAIR GROUNDS ADDITION

ALBERT MARTINEZ
MINI-WAREHOUSES
K-18-Z D27

STATE OF NEW MEXICO
JAMES C. GREER
8888
REGISTERED PROFESSIONAL ENGINEER

revised	date
07-17-85	05-16-85

drawn	project no.
E.W. Kubbe	8-0-0-4 0420

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