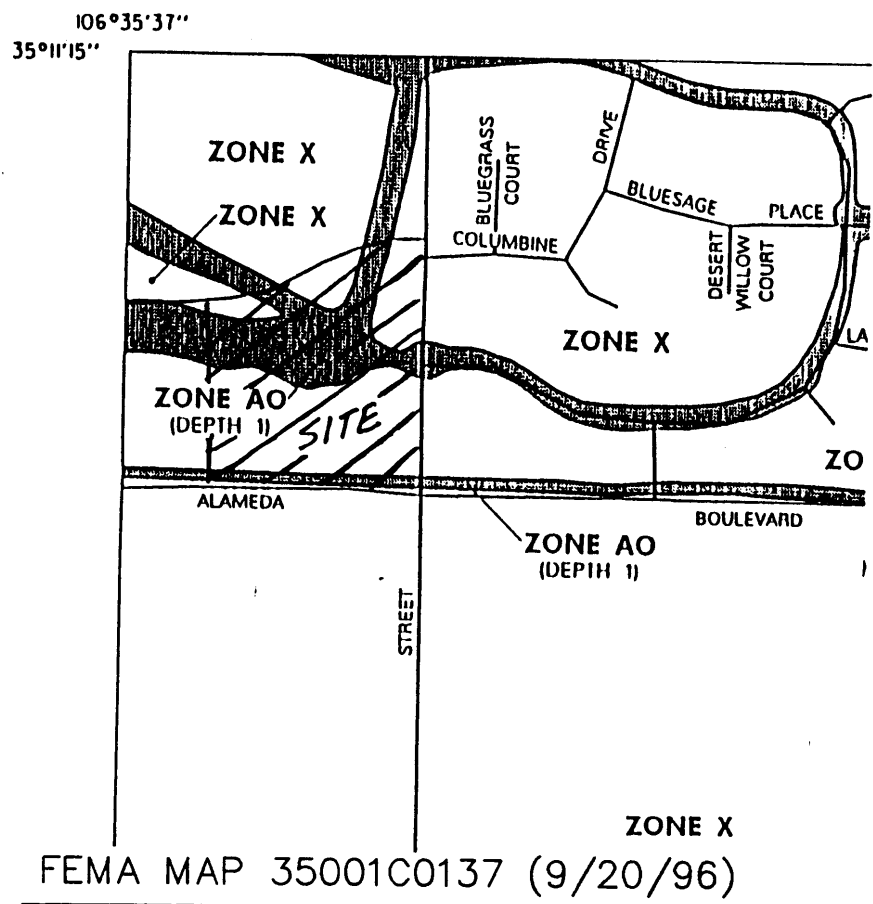
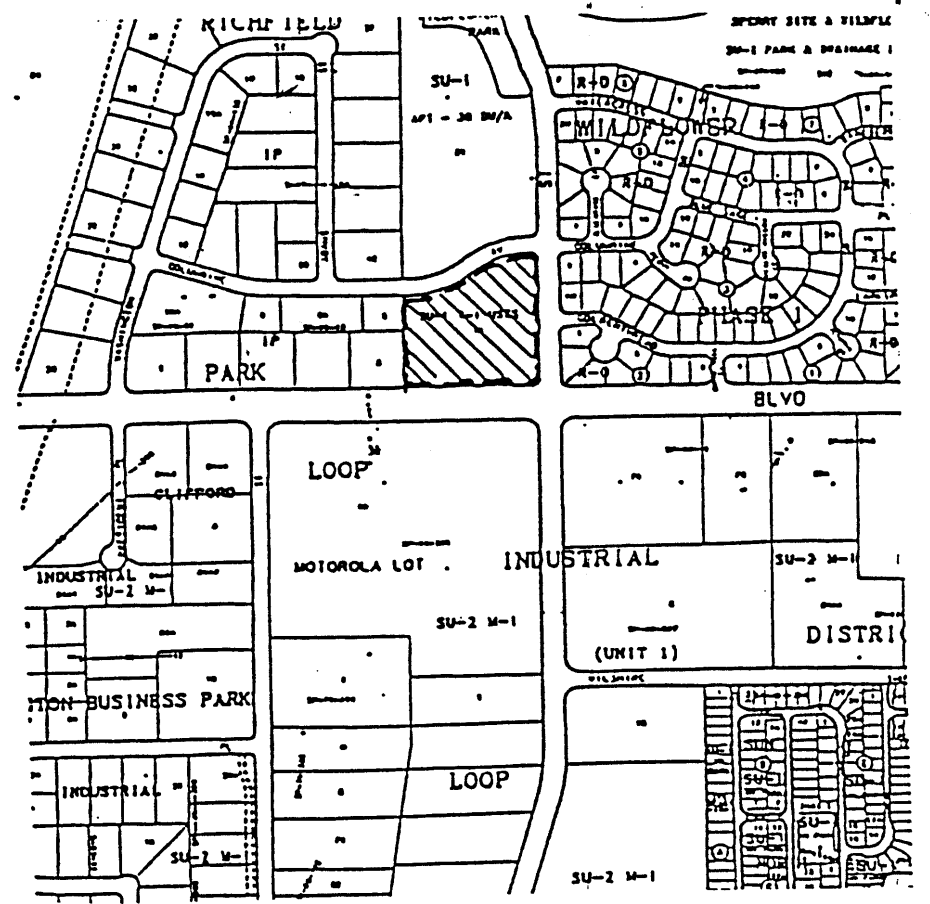
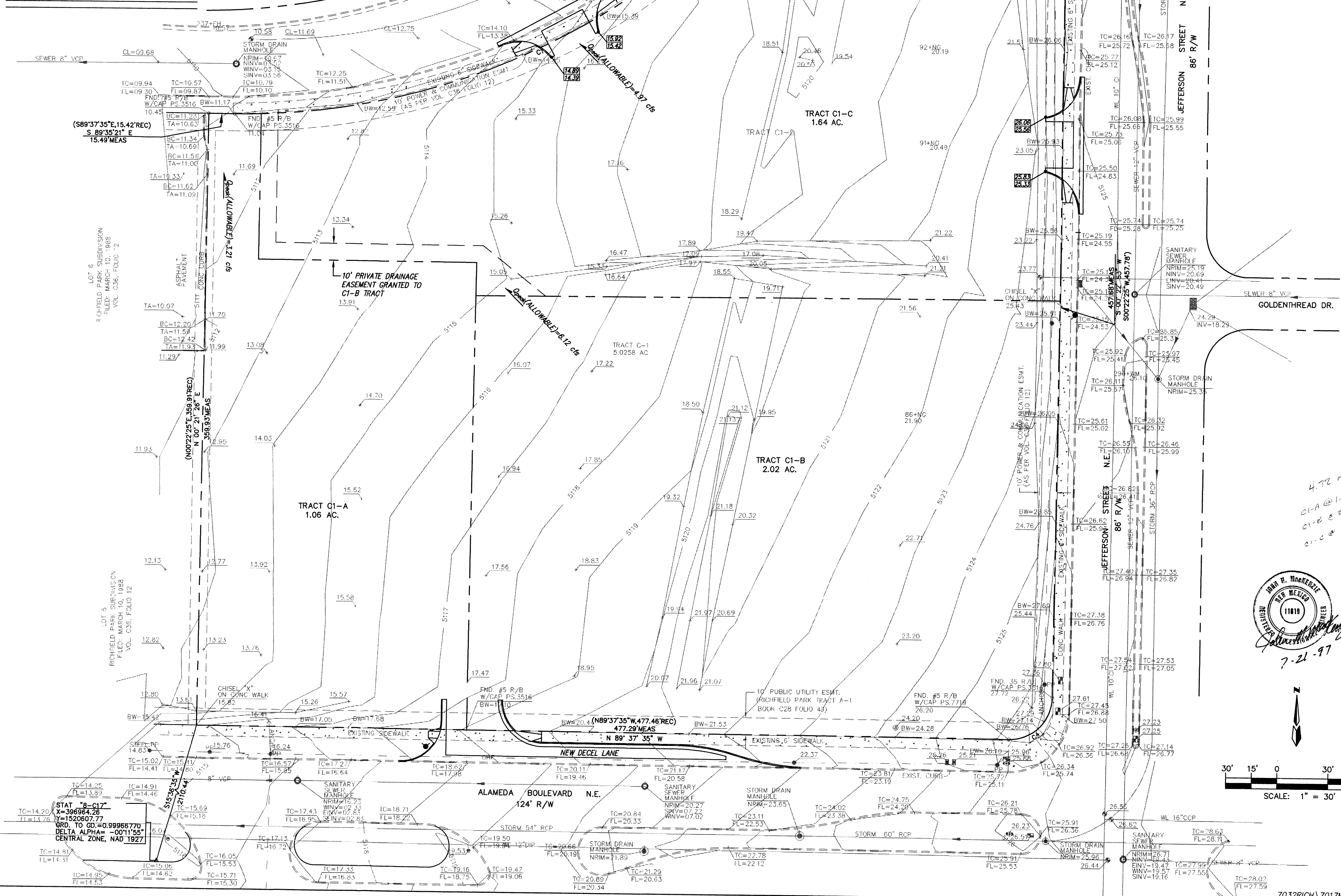




AHYMO OUTPUT
SITE AREA = 5.03 ACRES
RAIN SIX = 2.39 IN.
LAND TREATMENTS:
B = 15% D = 85%
Q(100-6) = 22.25 cfs
VOL(100-6) = 0.81 AC. FT.

FEMA MAP 35001C0137 (9/20/96)



VICINITY MAP ZONE MAP: C-17-Z

ACS BENCHMARK

STAT "8-C17"
X=396964.26 Y=1520607.77
GRD. TO GD.=0.9996770
DELTA ALPHA= -001155"
CENTRAL ZONE, NAD 1927

LEGAL DESCRIPTION

RICHFIELD PARK, TRACT C-1. TOTALING 5.023 AC.

DRAINAGE NOTES

- UPON APPLICATION FOR BUILDING PERMIT, EACH SITE WILL BE REQUIRED TO PROVIDE A GRADING AND DRAINAGE PLAN IN ACCORDANCE WITH THIS PLAN.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH ESPEY, HUSTON'S DRAINAGE REPORT FOR RICHFIELD PARK SUBDIVISION, DATED 08/01/86.
- THIS PLAN COVERS THE AREA OF RICHFIELD PARK DESCRIBED AS TRACT "C-1". FOR ESTIMATION PURPOSES, TRACT "C-1" COMPRISES APPROXIMATELY 16.5% OF RICHFIELD PARK'S ORIGINAL BASIN "B". FROM ESPEY, HUSTON'S REPORT.
- BASED UPON AREA PERCENTAGES AND THAT THE ALLOWABLE DISCHARGE FROM THE FORMER BASIN "B" WAS 93.7 cfs, THIS ENTIRE SITE IS PERMITTED A DISCHARGE RATE OF 15.4 cfs.
- UNDER CURRENT DPM CRITERIA, THIS SITE DISCHARGES A TOTAL FLOW OF 22.25 cfs. ACCORDING TO AHYMO, THEREFORE, EACH BUILDING SITE WILL BE REQUIRED TO THROTTLE DEVELOPED DISCHARGE TO 69% OF PEAK FLOW BY WAY OF ON-SITE DETENTION.
- NO OFF-SITE FLOWS IMPACT THIS SITE.
- PRIVATE DRAINAGE EASEMENT SHOWN ON TRACT C1-C SHALL BE CONSTRUCTED BY, IS FOR THE BENEFIT OF, AND IS TO BE MAINTAINED BY THE OWNER OF TRACT C1-B.
- EACH TRACT SHOWN HEREON SHALL BE REQUIRED TO DISCHARGE ALL DEVELOPED FLOW INTO COLUMBINE AVE. VIA SURFACE METHODS.
- EACH TRACT ENCUMBERED BY THE FEMA FLOOD PLAN MAY BE REQUIRED TO OBTAIN FLOOD INSURANCE UNTIL SUCH TIME THAT THE FLOOD PLAN IS REMOVED.

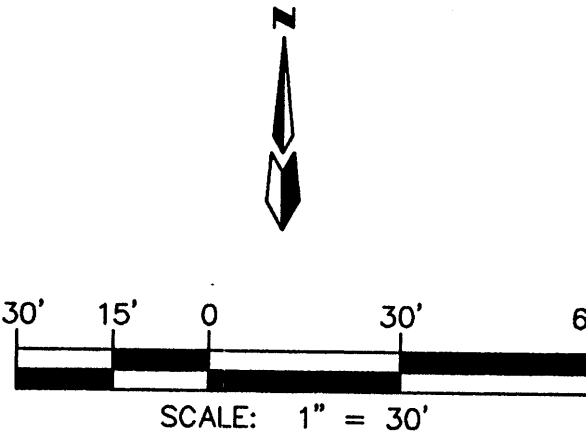
LEGEND

- PROPERTY LINE
- NEW CURB & GUTTER
- EXISTING CURB & GUTTER
- EXISTING CONTOUR
- NEW FIRE HYDRANT
- EXISTING SPOT ELEVATION
- EXISTING TOP OF CURB & FLOWING SPOT ELEVATION
- NEW EASEMENT LINE

RICHFIELD PARK - TRACT C-1
CONCEPTUAL MASTER GRADING & DRAINAGE PLAN

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

Designed: JMM Drawn: WLV Checked: DMG
Scale: 1" = 30' Date: 2/97 Job: 97071 Sheet 1 of 1



7032RICH\7017MGD\08-05-97