

EXISTING CONTOUR  
EXISTING SPOT ELEV.  
PROPOSED SPOT ELEVATION  
FLOWLINE  
FLOW DIRECTION ARROW  
CONCRETE/BRICK  
TOP OF CURB ELEVATION  
TOP OF ASPHALT ELEVATION  
FLOWLINE ELEVATION  
WATER METER  
TELEPHONE PEDISTAL  
POWER POLE



1. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE TO RESOLVE THE CONFLICT WITH A MINIMUM AMOUNT OF DELAY.
2. ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF AND DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
4. THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHTS-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY BERNALILLO COUNTY FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

THE SUBJECT SITE IS LOCATED JUST WEST OF THE INTERSECTION OF MONTGOMERY BLVD. AND WYOMING BLVD. N.E. AS SHOWN ON PANEL 17 OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD BOUNDARY AND FLOODWAY MAP THIS SITE IS ADJACENT TO BUT NOT WITHIN A DESIGNATED FLOOD HAZARD AREA. (THE APPROXIMATE LOCATION OF THE FLOOD BOUNDARY IS SHOWN ON THE PLAN BELOW).

THE EXISTING SITE IS A MCDONALD'S RESTAURANT WITH AN OUTDOOR PLAY GROUND AREA. THE PLAY AREA SURFACE IS EITHER TILE, BRICK, OR A RUBBER MAT MATERIAL BUT, ALL ARE ON A CONCRETE SURFACE. THE PLANNED IMPROVEMENT INCLUDE CONSTRUCTING AN INDOOR PLAY GROUND AREA WITH RENOVATIONS TO THE LANDSCAPE.

IT IS THE INTENTION OF THIS PLAN THAT WITH THE EXCEPTION OF A SMALL SECTION OF SIDEWALK, ALL CURBING AND ASPHALT REMAIN IN PLACE. FURTHER, ANY CURB OR SIDEWALK REMOVED SHALL BE REINSTALLED AT THE EXISTING ELEVATIONS. ALL EXISTING DRAINAGE PATTERNS WILL REMAIN UNCHANGED. DUE TO MINOR LOSS OF SOME LANDSCAPING AREA THE PEAK DISCHARGE AND VOLUMETRIC RUNOFF WILL INCREASE SLIGHTLY.

THE EXISTING SURVEY DATA SHOWN WAS PREPARED BY RIO GRANDE ENGINEERING AND SURVEYING, INC., IN FEBRUARY 1995. A SUBSEQUENT FIELD INSPECTION PERFORMED BY THIS OFFICE REVEALED THAT ALL THE INFORMATION SHOWN IS CONSISTENT WITH THE ACTUAL CONDITIONS THAT EXIST IN THE FIELD.

THE FOLLOWING CALCULATIONS WERE DEVELOPED USING THE CITY OF ALBUQUERQUE DPM SECTION 22.2 (JANUARY 1993)

SITE CHARACTERISTICS:

SITE LOCATION: ZONE 3  
PRECIPITATION: P = 2.60 inches

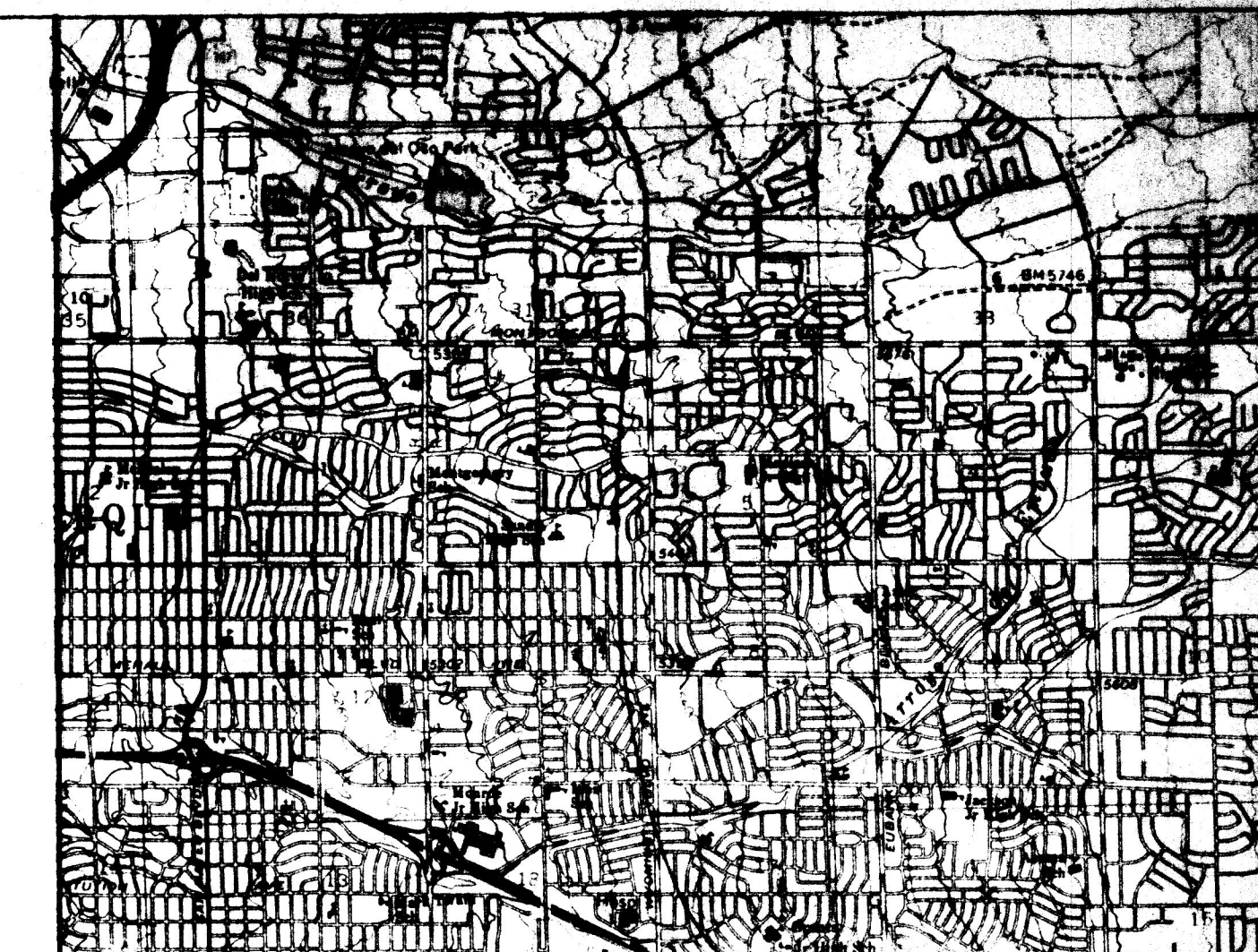
LAND TREATMENT:  
UNCOMPACTED SOIL - TREATMENT A  
LANDSCAPE - TREATMENT B  
COMPACTED SOIL - TREATMENT C  
BUILDINGS & PAVING - TREATMENT D

EXCESS PRECIPITATION:

TREATMENT A	E = 0.66 inches
TREATMENT B	E = 0.92 inches
TREATMENT C	E = 1.29 inches
TREATMENT D	E = 2.36 inches

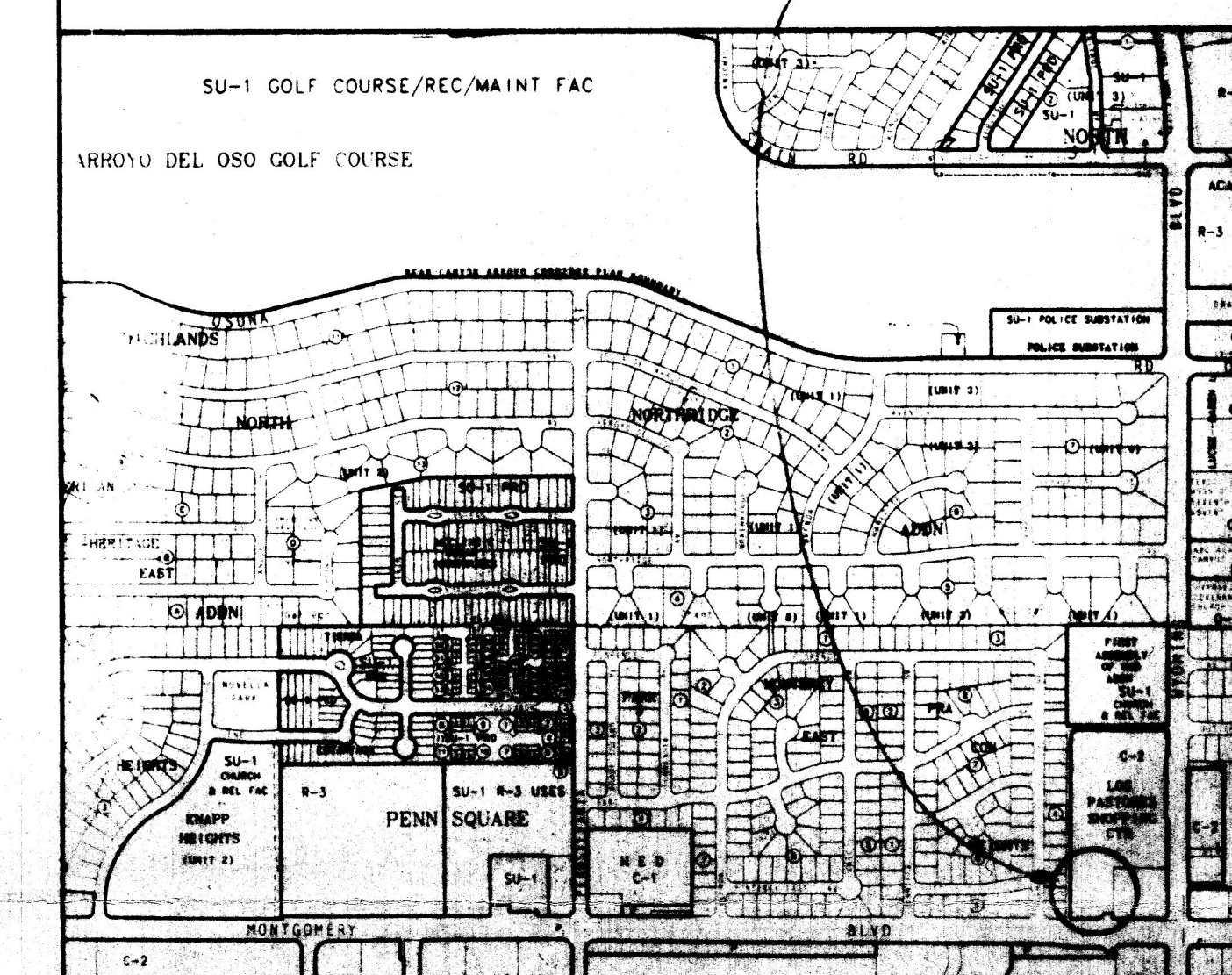
PEAK DISCHARGE:  
TREATMENT A = 1.87 cfs/acre  
TREATMENT B = 2.60 cfs/acre  
TREATMENT C = 3.45 cfs/acre  
TREATMENT D = 5.02 cfs/acre

LOT A-1, LOS PASTORES SHOPPING CENTER  
ALBUQUERQUE, NEW MEXICO.



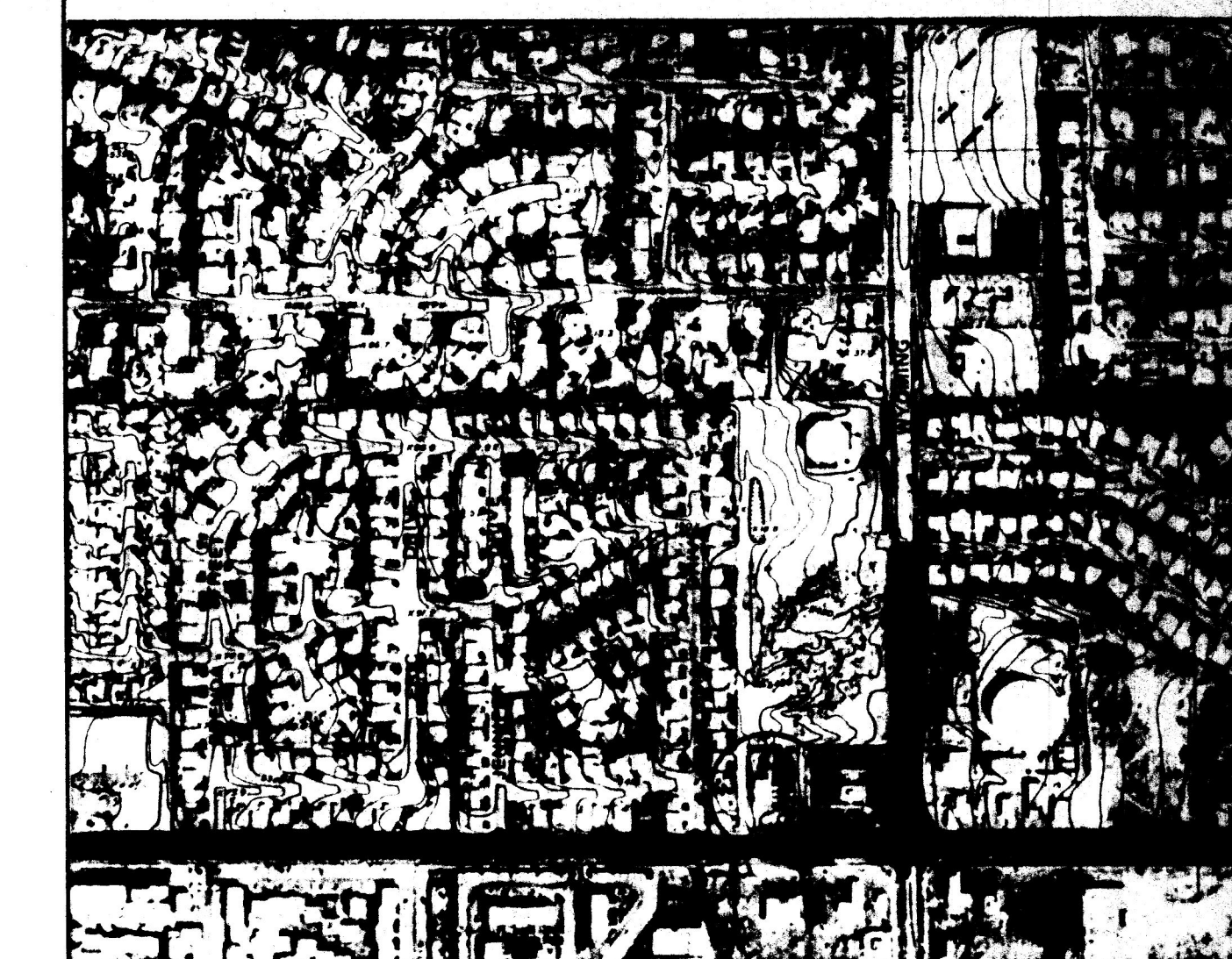
## LOCATION MAP

## PROJECT LOCATION



ZONE MAP

F-19



FLOOD BOUNDARY MAP

## PROJECT LOCATION

9111 High Asset  
8915 MONTGOMERY BLVD. NE

## McDONALD'S PLAY PLACE

### GRADING AND DRAINAGE PLAN

KEMPER-VAUGHAN

3700 COORS RD. N.W. • ALBUQUERQUE, NEW MEXICO 87120 • (505) 831-4520

Designed	KRK	Drawn	SE	Checked	KRK	Sheet	of
File	McDON2		Date	MARCH 1995		C-2	