SCALE 1"=20'

0 20 40 60

SCALE IN FEET

LEGEND

	EXISTING	NEW
CURB & GUTTER		
CONTOUR		99
SPOT ELEVATION	+	+
DIRECTION OF FLOW		

DRAINAGE PLAN
MONTGOMERY PLAZA SHOPPING CENTER
BUILDING "A"

LOCATION AND EXISTING CONDITION:

The site is located at the northwest corner of the intersection of Montgomery Boulevard and San Mateo Boulevard NE containing approximately 1.89 acres (limits of this phase of construction). The site is an existing asphalt parking lot sloping from the northeast to the southwest with an average slope of 1.4 percent. Existing storm water runoff flows through the site and is intercepted by Montgomery Boulevard.

PROPOSED CONDITION:

Proposed development of the site includes a new building with associated parking and landscaping. Storm water runoff will be allowed to continue to free discharge to Montgomery Boulevard since the rate of runoff will be decreased due to the new development.

CALCULATIONS:

Area = 1.89 acres
I = 2.2 in./hr. Plate 22.2 D-2
6-hour, 100-year rainfall = 2.2 in. Plate 22.2 D-1
V = (2.2)(2) = 4.84 in./hr.

EXISTING ON-SITE CONDITIONS:

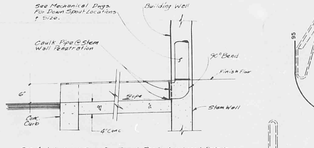
SURFACE TYPE	"C" VALUE	A (ACRES)	"C"x A	COMPOSITE "C"=CxA/A
Streets, Drives, Walks	0.95	1.89	1.80	
Roofs	0.90	0	0	
Lawns & Landscaping	0.25	0	0	
Undeveloped	0.40	0	0	
TOTAL		1.89	1.80	0.95

Q(100) = (0.95)(4.84)(1.89) = 8.69 cfs
Q(10) = (0.65)(3.68)(1.89) = 5.23 cfs
CN = 98 Plate 22.2 C-3
Direct Runoff = 1.90 in. Plate 22.2 C-4
V(100) = (2.85)(1.89)(43560)/12 = 14864 cu. ft.
V(10) = (0.65)(1.40)(43) = 9240 cu. ft.

PROPOSED ON-SITE CONDITIONS:

SURFACE TYPE	"C" VALUE	A (ACRES)	"C"x A	COMPOSITE "C"=CxA/A
Streets, Drives, Walks	0.95	1.11	1.07	
Roofs	0.90	0.67	0.60	
Lawns & Landscaping	0.25	0.09	0.02	
Undeveloped	0.40	0	0	
TOTAL		1.89	1.69	0.89

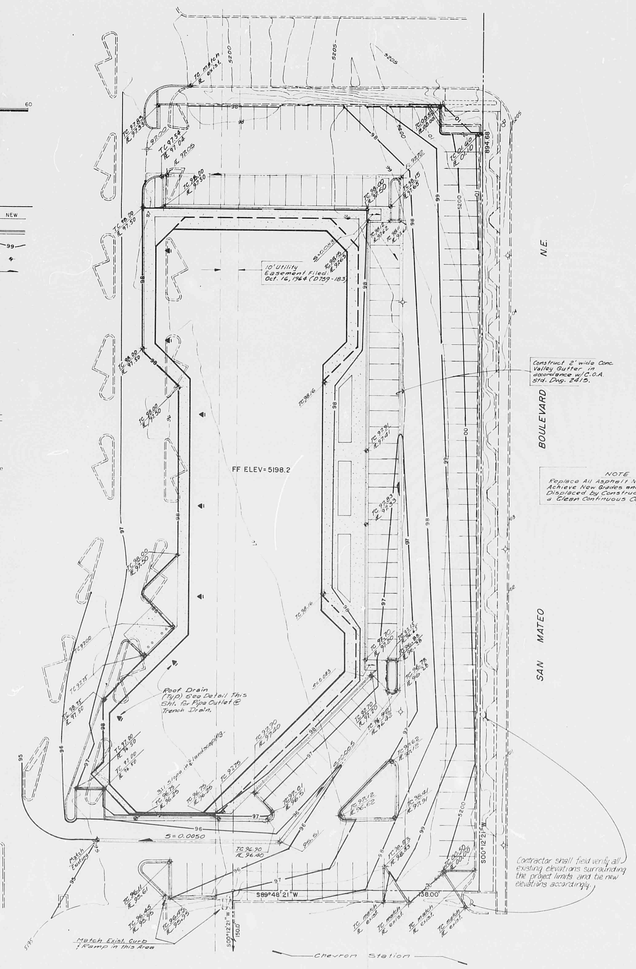
Q(100) = (0.89)(14.84)(1.89) = 8.14 cfs
Q(10) = (0.65)(10.14) = 5.35 cfs
CN = 94 Plate 22.2 C-3
Direct Runoff = 1.60 in. Plate 22.2 C-4
V(100) = (1.60)(1.89)(43560)/12 = 10977 cu. ft.
V(10) = (0.65)(1.10977) = 7212 cu. ft.



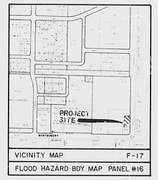
See Architectural Dwgs. for Trench Drain locations & Details

ROOF DRAIN PIPE OUTLET @ TRENCH DRAIN (TYP)

NTS



GRADING & DRAINAGE PLAN



VICINITY MAP F-17

FLOOD HAZARD BOY MAP PANEL #16

LEGAL DESCRIPTION:
TRACT D OF THE MONTGOMERY PLAZA SUBDIVISION

BENCH MARK: (AND/OR PROJECT)
BENCH MARK MONUMENT STAMPED "C-19-A 1978" LOCATED ON THE MEDIAN 81 FEET EAST OF THE INTERSECTION OF MONTGOMERY BLVD. ELEVATION=5201.826

SURVEY INFORMATION:
SURVEY DATA TAKEN FROM A TOPOGRAPHIC SURVEY PREPARED BY BOHANNANHUSTON, INC. JANUARY, 1988.

NOTICE TO CONTRACTOR:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986" (COA STND).

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

3. 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.

4. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNERS OF SUCH LINES. SUCH INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH ALL STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THOSE LINES AND FACILITIES.

5. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS SHALL BE ACCOMPLISHED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.

6. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.

7. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

8. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

9. WHEN CONSTRUCTION UNDER THIS PROJECT CONNECTS TO EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL PROVIDE AN EASY BUILDING CONNECTION.

10. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

11. CONTRACTOR SHALL PROVIDE 12" SUBGRADE PREPARATION UNDER ALL NEW PAVEMENT, CURBS AND GUTTERS, VALLEY GUTTERS AND CONCRETE FILLETS.

12. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CUT BACK EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT, AND PATCH NEW TO EXISTING.

13. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.

STEVENS MALLORY PEARL & CAMPBELL, P.A.
ARCHITECTS 115 AMHERST S.E. ALBUQUERQUE, NEW MEXICO 87106

DATE 7-88 DRAWN CHECKED JSM/VJC

BUILDING "A" PLAZA SHOPPING CENTER
ALBUQUERQUE, N.M.

DP

F-17/0013#

Rec'd 11-21-88
Approved 12-28-88

BY 21 DATE 12/28/88 SP

CITY OF ALBUQUERQUE

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Karen Aaron
CITY CLERK RECORDER

OFFICIAL SEAL
MICHAELA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires MAY 6, 1991

Michaela Sanchez

CITY OF ALBUQUERQUE
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PLANS/PLATS ON FILE

FILE DESC:
F-17/0013A

PLANS/PLATS 1

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CITY OF ALBUQUERQUE

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