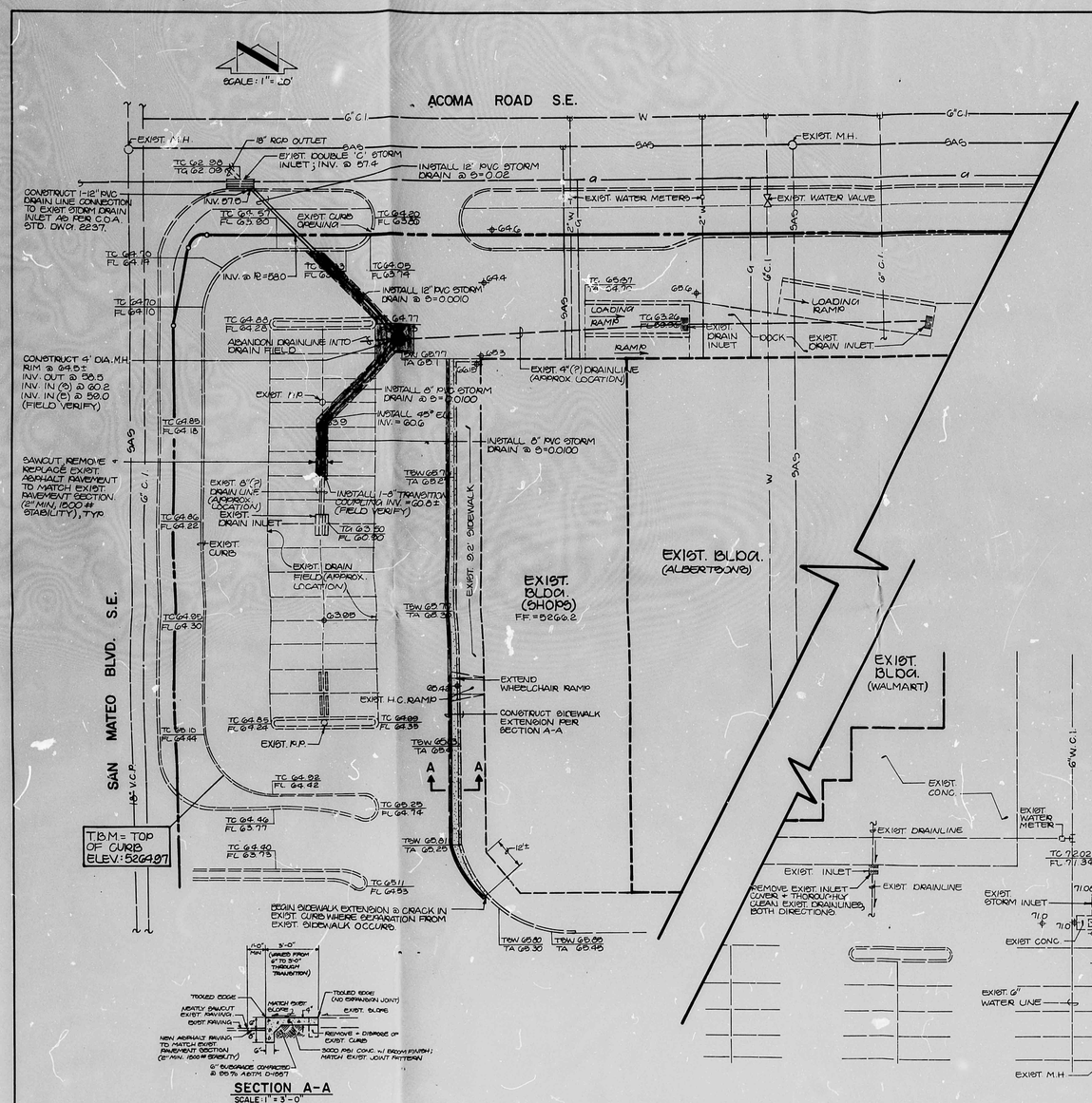
HYDROLOGY K18/D5 3 PLANS

K18/D5

3 Plans

CITY OF ALBUQUERQUE



SECTION A-A
SCALE: 1" = 3'-0"

LEGAL DESCRIPTION

PARCEL 2A + 3A OF THE ALBERTSON'S REPLAT

T.B.M.

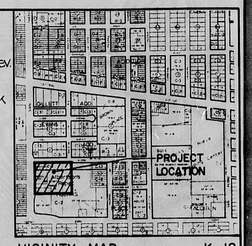
TOP OF CURB AS SHOWN HEREON.
ELEVATION: 5269.07 ft (M.S.L.D.)

PROJECT BENCHMARK

A.C.S. STATION 8-K18, BEING A SQUARE "□" CHISELED ON THE TOP OF A CONCRETE CURB AT THE GSE RETURN OF THE INTERSECTION OF SAN MATEO BLVD. S.E. + ZUNI AVE. S.E.
ELEVATION: 5262.15 ft (M.S.L.D.)

LEGEND

- EXIST. GRDT. ELEV.
- PROPOSED GRDT. ELEV.
- T.C. — TOP OF CURB
- F.L. — FLOW LINE
- T.S.W. — TOP OF SIDEWALK
- T.G. — TOP OF GRATE
- T.A. — TOP OF ASPHALT



VICINITY MAP — K-18
SCALE: 1" = 800'

DRAINAGE PLAN

The following items concerning the Zuni/San Mateo Shopping Center Drainage Plan are contained hereon:

1. Vicinity Map
2. Stormdrain Modifications
3. Paving Improvements

As shown by the Vicinity Map, the site is located at the northeast corner of the intersection of Zuni Road S.E. and San Mateo Boulevard S.E. At present, the site is fully developed with a shopping center and adjacent paving and landscaping. Much of the surrounding area is also developed.

Review of Panel 30 of 50 of the National Flood Insurance Program Flood Boundary and Floodway Maps for the City of Albuquerque indicates that this site lies adjacent to a designated flood hazard zone. It is believed that the recently completed Fairgrounds Storm Water Relief System and the Highland Detention Pond have alleviated these flooding problems. In addition, review of the city of Albuquerque Stormdrain Facilities Maps indicates that the site is served by a 78" RCP stormdrain within San Mateo Boulevard S.E. These improvements were installed following the completion of the shopping center. Because of that, the shopping center was constr. "ed with 100% retention within subsurface drain fields. Although the drain fields functioned properly for a number of years, they are now beginning to plug and cease to operate efficiently. In particular, the drain field located at the northwest corner of the site, which receives runoff from the parking lot and the loading docks, is not adequately accepting the runoff from the loading docks, hence they are flooding following significant rainfall. It is the purpose of this plan to provide an adequate outfall for the stormwater runoff by discharging it into the existing public stormdrain facilities which are available. This will allow the loading docks and this portion of the parking lot to drain into the existing public facility. It is acknowledged that the work within the public right-of-way will need to be performed by separate permit (Special Order 19).

In addition to the stormdrain modifications which are recommended by this plan, minor paving modifications are also proposed. These paving modifications involve the removal of an existing curb and existing paving and the replacement of that hard surface with a 3'0" sidewalk extension. Of course, the asphalt paving will require patching.

No calculations are being provided due to the fact that the existing hydrologic characteristics of the site are not being altered. The hydraulic capacity of the proposed improvements is a secondary concern due to the fact that existing elevations govern the vertical alignment of the stormdrain improvements. It should also be noted that the existing parking lot is depressed and that should be proposed improvements prove to be incapable of passing the peaking flow, sufficient interim ponding will be provided by the existing parking lot. If these limits are exceeded, the runoff will overflow into the public right-of-way via existing driveway openings; the potential for flooding the existing buildings does not exist.

RECEIVED SEP 2 0 1987 HYDROLOGY SECTION

JEFFREY G. MORTLOCK NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER 09-23-87

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. 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.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. 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 OWNER OF SAID UTILITY, AND THE 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 INFORM ITSELF OF 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 STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
6. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
7. BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
8. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY

EROSION CONTROL MEASURES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
2. 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.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

APPROVALS	NAME	DATE
A.C.E./DESIGN	Jeffrey G. Mortlock	10/8/87
INSPECTOR		
A.C.E./FIELD		

CITY ENTITY ASSOCIATES INC
811 DALLAS N.E. • ALBUQUERQUE • NEW MEXICO • 87110
ENGINEERS

DRAINAGE & PAVING MODIFICATIONS

ZUNI / SAN MATEO SHOPPING CENTER

DESIGN BY	J.G.M.
DRAWN BY	R.A.R.
APPROVED BY	J.G.M.

No.	Date	By	Revision

JOB NO. 61281
DATE 09/87
SHEET 1 OF 1

CITY OF ALBUQUERQUE
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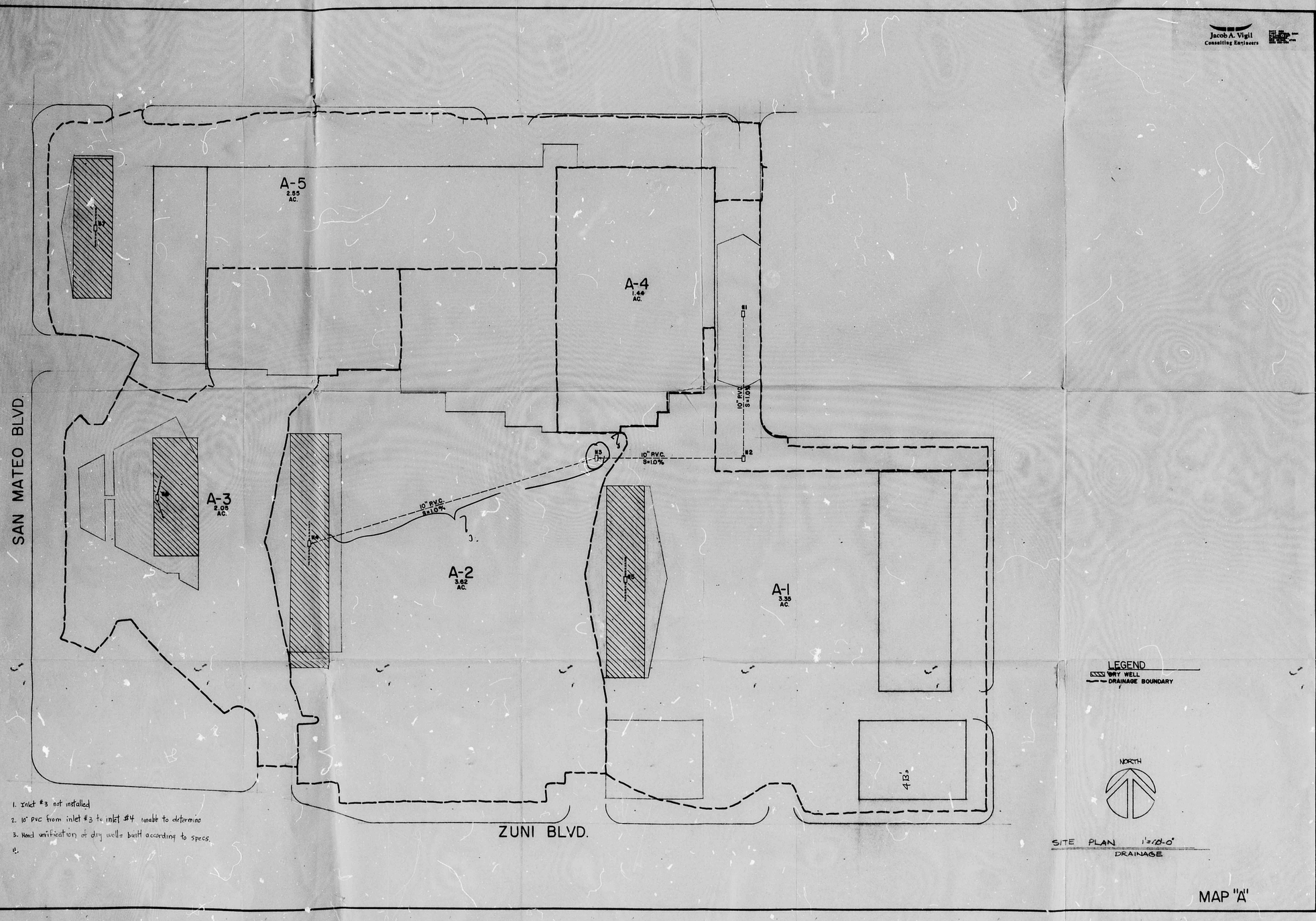

1. Inlet #3 not installed
2. 10" PVC from inlet #3 to inlet #4 unable to determine
3. Need verification of dry wells built according to specs.

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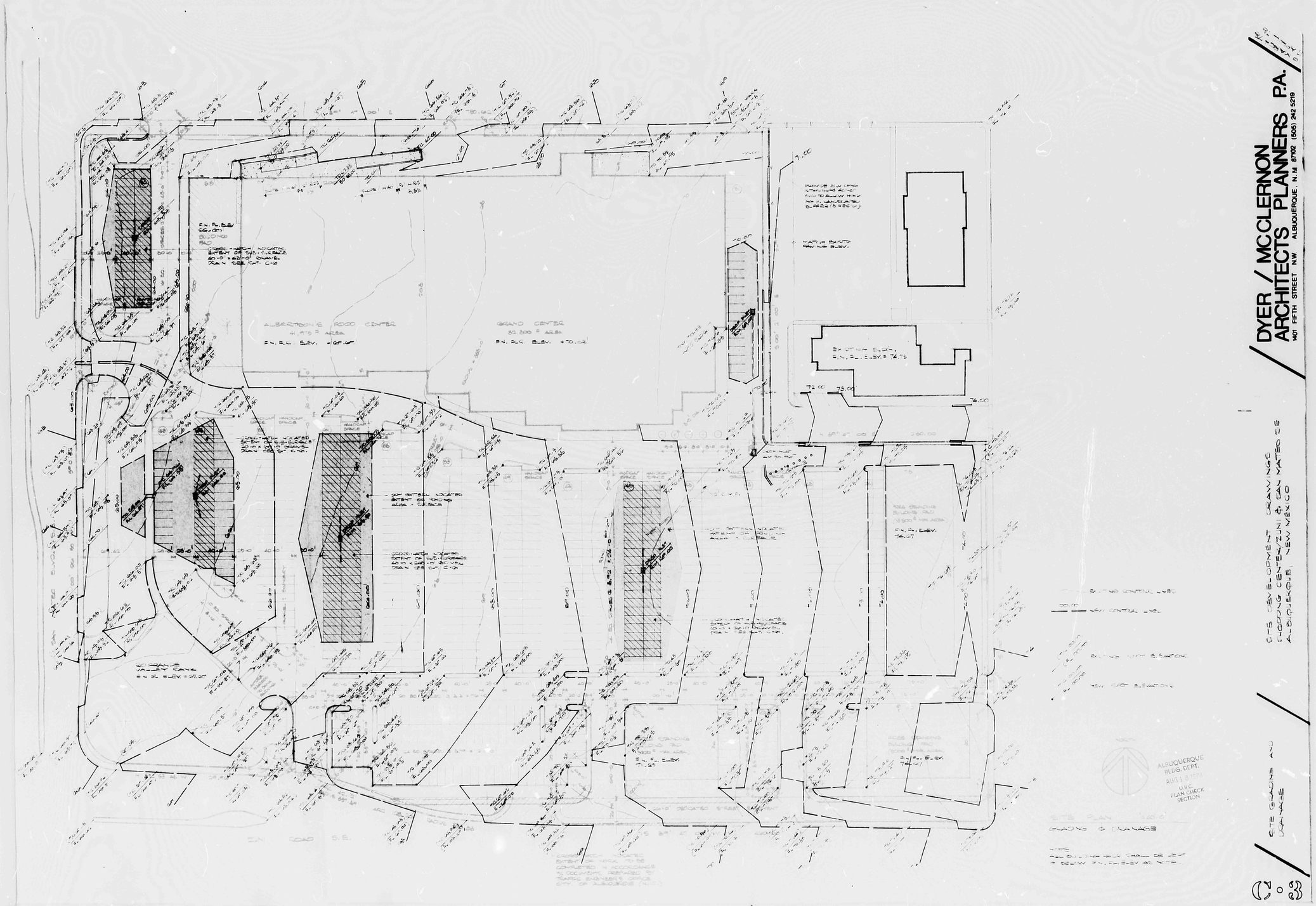
CITY OF ALBUQUERQUE



DYER / McCLERNON
ARCHITECTS PLANNERS P.A.
1401 FIFTH STREET N.W. ALBUQUERQUE, N.M. 87102 (505) 242 5219

SITE DEVELOPMENT DRAWING
SHOPPING CENTER, UNIVERSITY & SAN MATEO
ALBUQUERQUE, NEW MEXICO

SITE GRADING AND DRAINAGE

C1.03

THIS PLAN SHOT TWICE
ONCE ON LIGHT AND
ONCE ON DARK.

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CITY OF ALBUQUERQUE

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