

Resubmittal

PROJECT TITLE: Some on San Mateo ZONE ATLAS/DRNG. FILE #: E-18/D50
 LEGAL DESCRIPTION: Portion of Tract A-1-A Lands of Goodwill Industries
 CITY ADDRESS: 5000 San Mateo Blvd. NE
 ENGINEERING FIRM: The Munn Company CONTACT: Tom Munn
 ADDRESS: 8200 Mountain Road NE PHONE: 266-3555
 OWNER: Bobby Merritt CONTACT: Bobby Merritt
 ADDRESS: 750 N. 17th Las Cruces 88005 PHONE: _____
 ARCHITECT: Jim Miller CONTACT: Jim Miller
 ADDRESS: 2823 Richmond Dr NE PHONE: 884-1255
 SURVEYOR: Clint Shewell CONTACT: _____
 ADDRESS: _____ PHONE: _____
 CONTRACTOR: Brown Dazy CONTACT: _____
 ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☐ YES
☒ NO
☐ COPY OF CONFERENCE RECAP
 SHEET PROVIDED

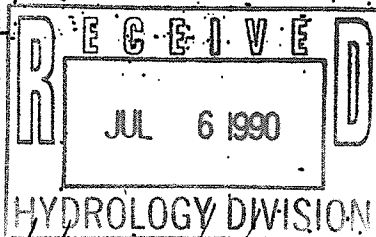
DRB NO. _____
 EPC NO. _____
 PROJ. NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION

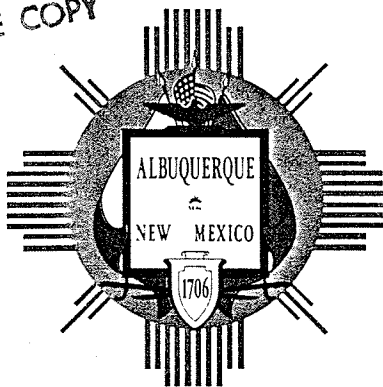
CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ SITE DEVELOPMENT PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ ROUGH GRADING PERMIT APPROVAL
☐ GRADING/PAVING PERMIT APPROVAL
☐ OTHER _____ (SPECIFY)



DATE SUBMITTED: 7/5/90 7/6/90
 BY: Tom Munn

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 12, 1990

Tom Mann, P.E.
The Mann Company
8200 Mountain Road, NE
Albuquerque, New Mexico 87110

RE: REVISED DRAINAGE PLAN FOR SONIC ON SAN MATEO
(F-18/D50) REVISION DATE OF JULY 6, 1990

Dear Mr. Mann

Based on the information provided on your submittal of July 6, 1990, the above referenced plan is approved for Building Permit.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

for Beeme J. Montoya
Fred J. Aguirre, P.E.
Hydrologist

BJM:FJA/bsj
(WP+888)

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

DRAINAGE COVENANT

THIS COVENANT made this day of , 1988,
by and between

GOODWILL INDUSTRIES OF NEW MEXICO, OWNER of Tract numbered A-1-A, Replat of Tracts A-1, A-2 & A-3 Land of Goodwill Industries, Albuquerque, N.M. now comprising Tracts A-1-A, A-1-B, and A-2-A as the same is shown and designated on the Plat thereof, filed in the Office of the County Clerk of Bernalillo County, New Mexico, on February 10, 1988 in Volume C-29, Folio 108.

AND

WHATABURGER, INC., LESSEE of a 0.434 acre tract as described in "EXHIBIT A" attached.

The Owner (which term includes successors and assigns) of Tract numbered A-1-A grants to the Owner of the Tract described in "EXHIBIT A" to convey storm runoff, any drainage from watering landscaping or any other ordinary domestic water use across the boundary lines to the right-of-way of San Mateo Blvd. N.E..

The Lessee (which term includes successors and assigns) of the Tract described in "EXHIBIT A" grants to the Owner of Tract A-1-A to convey storm runoff, any drainage from watering landscape or any other ordinary domestic water use across the boundary lines and through the Tract.

This DRAINAGE COVENANT is binding upon the Owners and Lessees, their heirs and assigns and will continue to run with said property until an alternate drainage plan has been approved by the City Hydrology Department and this document is released by a recorded document by the Owners and Lessees of the above described real properties.

OWNER, TRACT A-1-A

Goodwill Industries of New Mexico Date

OWNER, TRACT (EXHIBIT A)

WHATABURGER, INC. Date

ACKNOWLEDGMENTS

STATE OF NEW MEXICO)SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this
day of , 1988, by Charles R. Lynn, Executive
Director of Goodwill Industries of New Mexico.

Notary Public

My Commission Expires: -----

STATE OF TEXAS) SS
COUNTY OF)

The foregoing instrument was acknowledged before me this
day of , 1988, by
 of Whataburger, Inc.

Notary Public

My Commission Expires: -----

EXHIBIT A

A certain tract of land situate within Section 36, Township 11 North, Range 3 East, New Mexico Principal Meridian, within the City Limits of the City of Albuquerque, Bernalillo County, New Mexico, (within the Elena Gallegos Grant); Being and comprising a portion of Tract "A-1-A" of lands of Goodwill Industries, to the City of Albuquerque, New Mexico, as the same is shown and designated on the plat of Goodwill Industries, filed in the Office of the County Clerk of Bernalillo County, New Mexico, on February 10, 1988, (Book C-29, Page 108). Being more particularly described as follows:

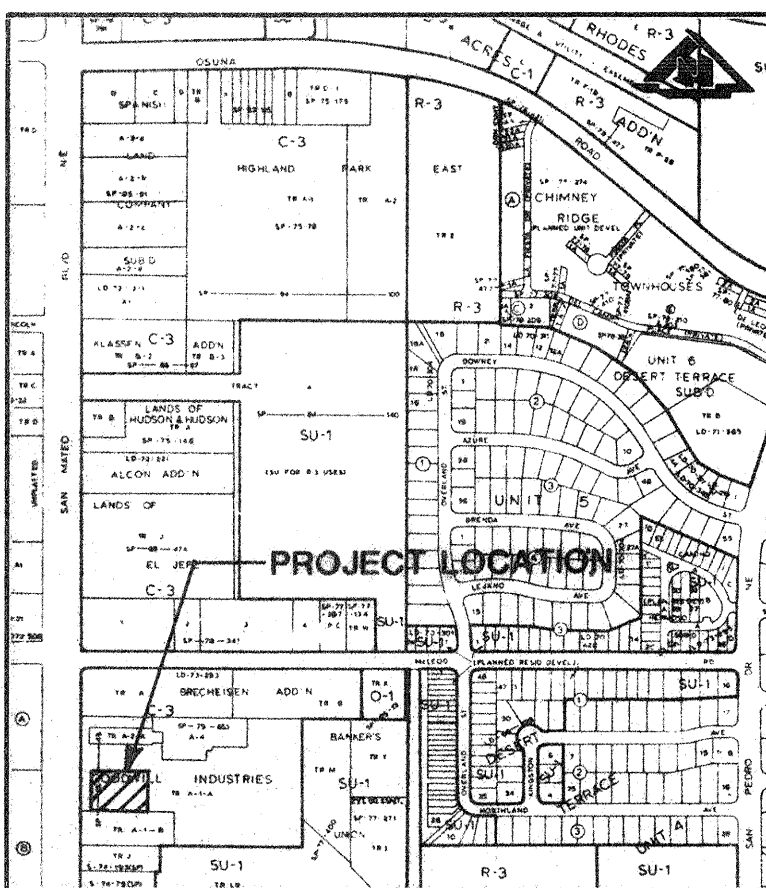
Beginning at the southwest corner of the tract herein described; whence, from said beginning point, the southwest corner of aforementioned Tract "A-1-A", (a point on the easterly line of San Mateo Blvd. N.E.); said corner also being common to the northwest corner of Tract "A-1-B" of said Goodwill Industries Plat, bears S 89 deg 59' 20" W 45.00 feet distance; thence leaving said beginning point,

N 00 deg 04' 00" E 105.00 feet distance to the northwest corner of the tract herein described; thence,

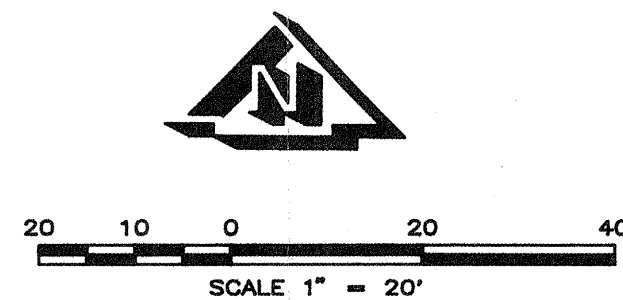
N 89 deg 59' 20" E 180.00 feet distance to the northeast corner of the tract herein described; thence,

S 00 deg 04' 00" W 105.00 feet distance to the southeast corner of the tract herein described; thence,

S 89 deg 59' 20" W 180.00 feet distance to the southwest corner, the point and place of beginning of the tract herein described, and containing 0.434 acres, more or less.



VICINITY MAP F-18
SCALE 1" = 800'



LEGAL DESCRIPTION

A PORTION OF TRACT A-1-A
LANDS OF GOODWILL INDUSTRIES
ADDRESS

5000 SAN MATEO BOULEVARD N.E.

BENCHMARK

CITY OF ALBUQUERQUE BRASS CAP
9-F-18 LOCATED AT THE INTERSECTION OF
SAN MATEO BLVD AND SAN MATEO LANE.
ELEVATION = 5209.56

LEGEND

EXISTING	NEW	DESCRIPTION
		CURB & GUTTER
		CURB
		SPOT ELEVATIONS
		CONTOUR
		BUILDING
		PROPERTY LINE
		ROOF DRAIN
		RUNDOWN
		BASIN DIVISION LINE

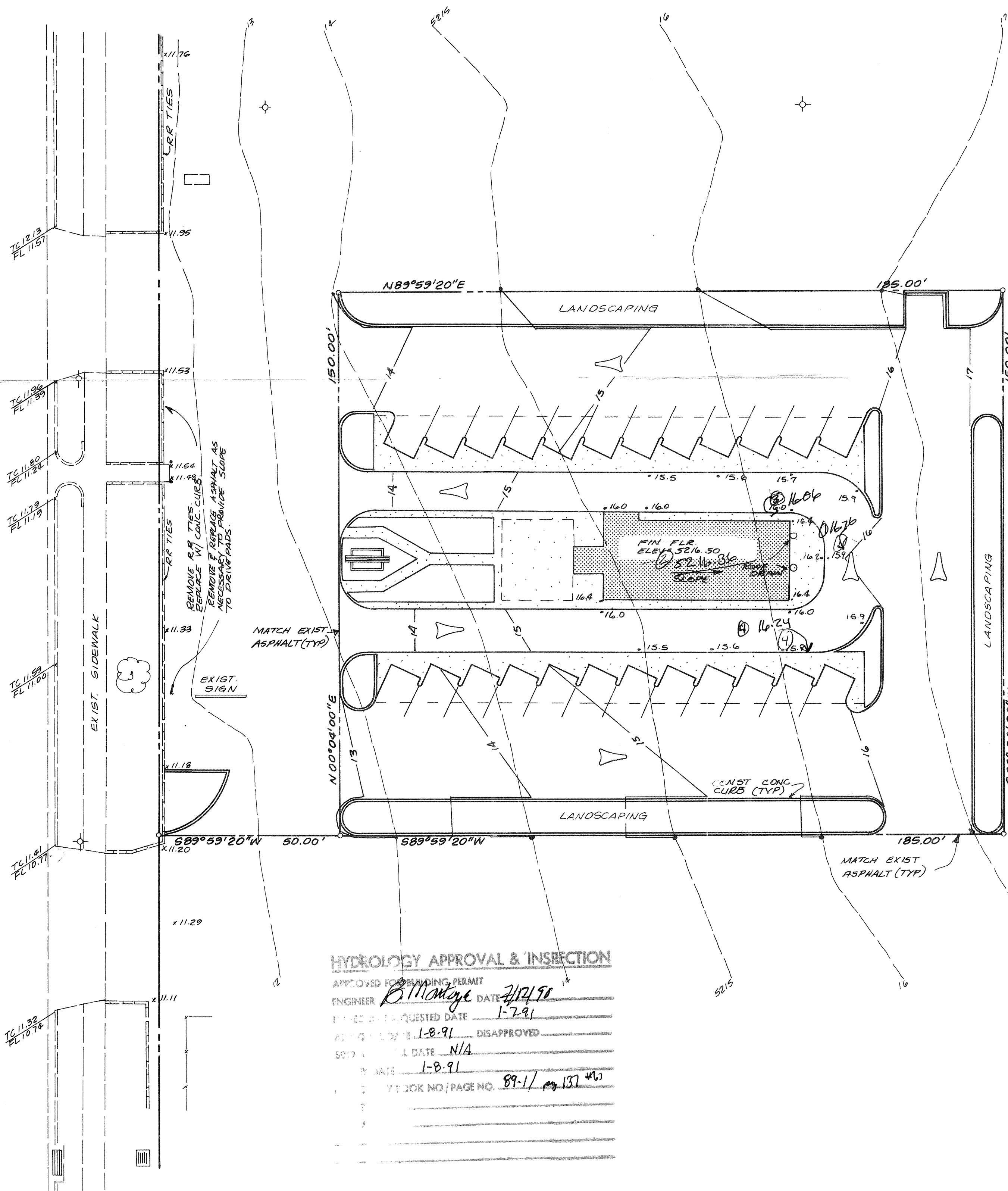
EROSION CONTROL MEASURES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO THE 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 A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

CONSTRUCTION NOTES

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE, 260-1990, FOR THE 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.

SAN MATEO BOULEVARD, NE



HYDROLOGY APPROVAL & INSPECTION

APPROVED FOR BUILDING PERMIT
ENGINEER *B. Mann* DATE *7/2/90*
REQUESTED DATE *1-7-91*
APPROVED DATE *1-8-91* DISAPPROVED
DATE *1-8-91*
JOB NO./PAGE NO. *89-1/131*

DRAINAGE PLAN

The following items concerning the Sonic on San Mateo Drainage Plan are contained herein:

1. Vicinity Map
2. Grading Plan
3. Calculations

The project site, as shown by the Vicinity Map, is located on the east side of San Mateo Boulevard, north of Montgomery Boulevard. The site is now a part of the Goodwill Industries parking lot. The surrounding land is also fully paved and developed. The site slopes from east to west. The site does not lie within a flood hazard zone.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'-0" intervals, 2) continuity between existing and proposed elevations, 3) the limit and character of existing improvements, and 4) the limit and character of proposed facilities. The proposed facilities consist of a building, canopy, paving and landscaping. Where necessary, the existing asphalt will be removed to accommodate the proposed facilities. The proposed drainage conditions will be the same as the existing conditions. Runoff will sheet flow to the west and be collected in San Mateo.

The Calculations, which appear below, analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational and SCS Methods have been used for this analysis, in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by the Calculations, the proposed improvements will result in a decrease in the runoff discharged from the site. This is in accordance with established design criteria.

CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey,
Plate: 21
Hydrologic Soil Group: B Embudo, Etc
Existing Pervious CN = 98 (DPM Plate 22.2 C-2)
Developed Pervious CN = 92 (DPM Plate 22.2 C-2)

Time of Concentration/Time to Peak

$T_c = 0.0078 L^{0.77} / S^{0.385}$ (Kirpich Equation)

$T_p = T_c = 10$ min.

Point Rainfall

$P_6 = 2.2$ in. (DPM Plate 22.2 D-1)

Rational Method

Discharge: $Q = C i A$

where C varies -0.51 to 0.51
 $i = P_6 (6.84) T^{-0.77} = 4.65$ in/hr
 $T = 10$ min (minimum)
 $A =$ area, acres

SCS Method

Volume: $V = 3630(DRO) A$

Where DRO = Direct runoff in inches
 $A =$ area, acres

Existing Condition

$A_{total} = 27,750$ sf = 0.64 ac
Roof area = 0 sf = 0 ac
Paved area = 27,750 sf = 0.64 ac
Landscaped area = 0 sf = 0 ac
 $C = 0.95$ (Weighted average per Emergency Rule, 01/14/86)

$Q_{100} = C i A = 0.95(4.65)0.64 = 2.8$ cfs
 $A = 27,750$ sf; % impervious = 100 %
Composite CN = 98 (DPM Plate 22.2 C-3)
DRO = 2.0 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630(DRO) A = 4,646$ cf

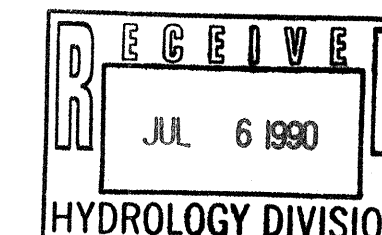
Developed Condition


$A_{total} = 27,750$ sf = 0.64 ac
Roof area = 5,960 sf = 0.14 ac
Paved area = 18,110 sf = 0.42 ac
Landscaped area = 3,680 sf = 0.08 ac
 $C = 0.85$ (Weighted average per Emergency Rule, 01/14/86)

$Q_{100} = C i A = 0.85(4.65)0.64 = 2.5$ cfs
 $A = 24,070$ sf; % impervious = 87 %
Composite CN = 96 (DPM Plate 22.2 C-3)
DRO = 1.9 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630(DRO) A = 4,414$ cf

Comparison

$Q_{100} = 2.8 - 2.5 = 0.3$ cfs (decrease)
 $V_{100} = 4,646 - 4,414 = 232$ cf (decrease)



NO.	DESCRIPTION			DATE	
REVISIONS					
GRADING AND DRAINAGE PLAN FOR SONIC ON SAN MATEO BOULEVARD NE					
					
THE MANN COMPANY, INC 8200 MOUNTAIN ROAD N.E. SUITE 102 ALBUQUERQUE, NEW MEXICO 87110 (505) 266-3555					
JOB NO.	DATE	DESIGN BY	DRAWN BY	CHECKED BY	SHEET NUMBER
00271	7-90	TTM	LAH	TTM	1 OF 1