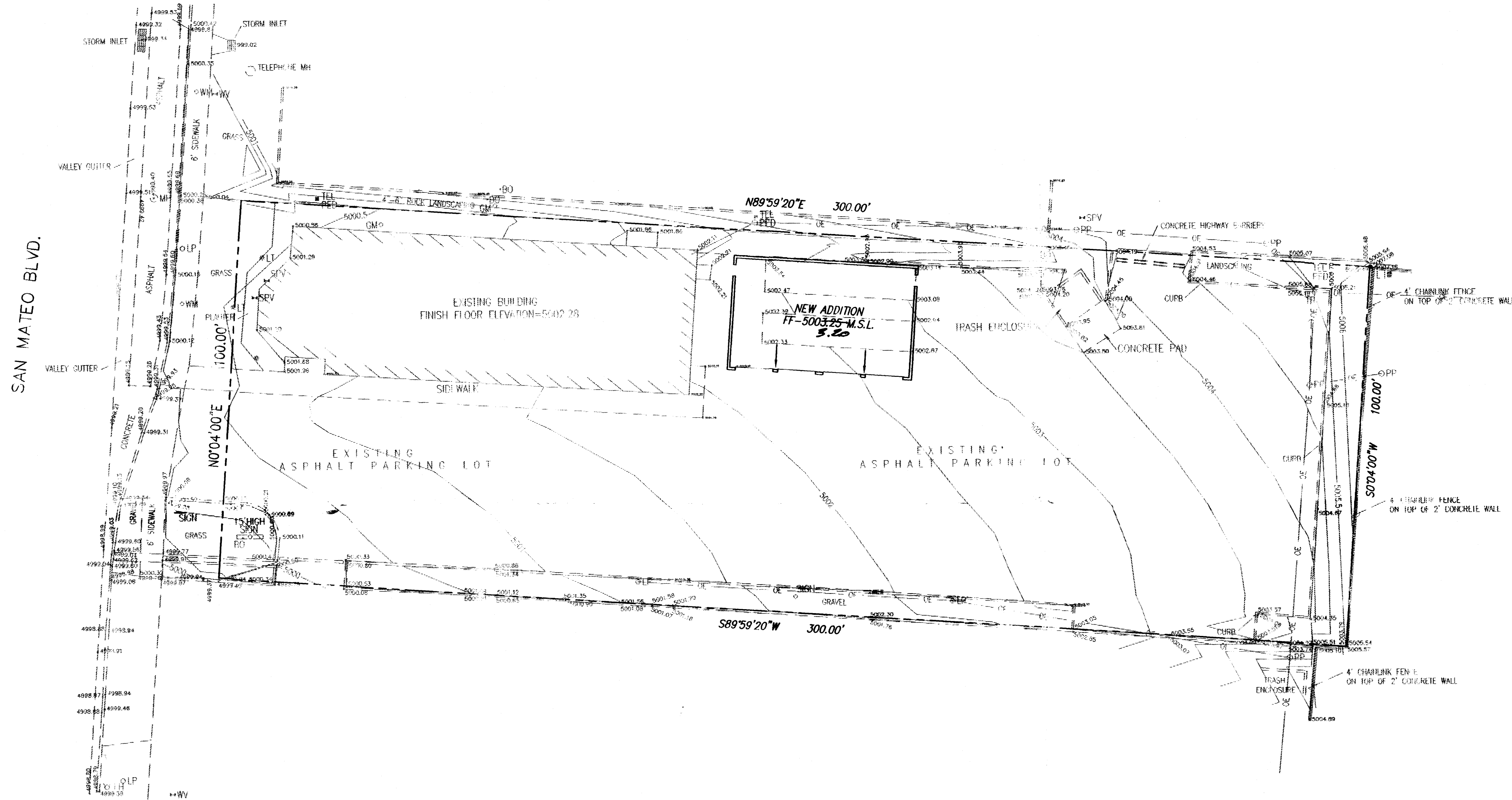




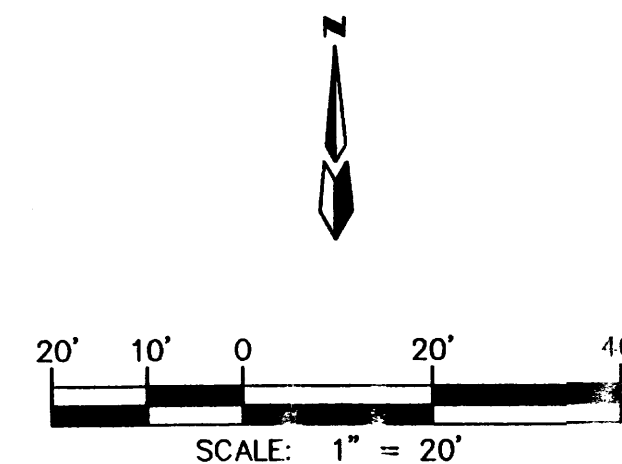
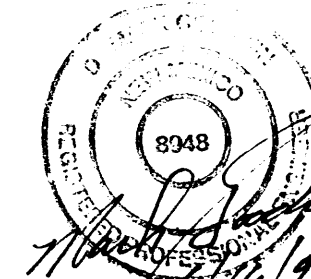
DRAINAGE CALCULATIONS

EXISTING	PROPOSED
A = 0.69 ac	A = 0.69 ac
P ₁₀₀ = 2.60 IN.	P ₁₀₀ = 2.60 IN.
T _c = 10 MIN.	T _c = 10 MIN.
SD = 95%	SD = 95%
SD = 5%	SD = 5%
Q ₁₀₀ = 3.04cfs	Q ₁₀₀ = 3.04cfs
V ₁₀₀ = 5186 FT ³	V ₁₀₀ = 5186 FT ³

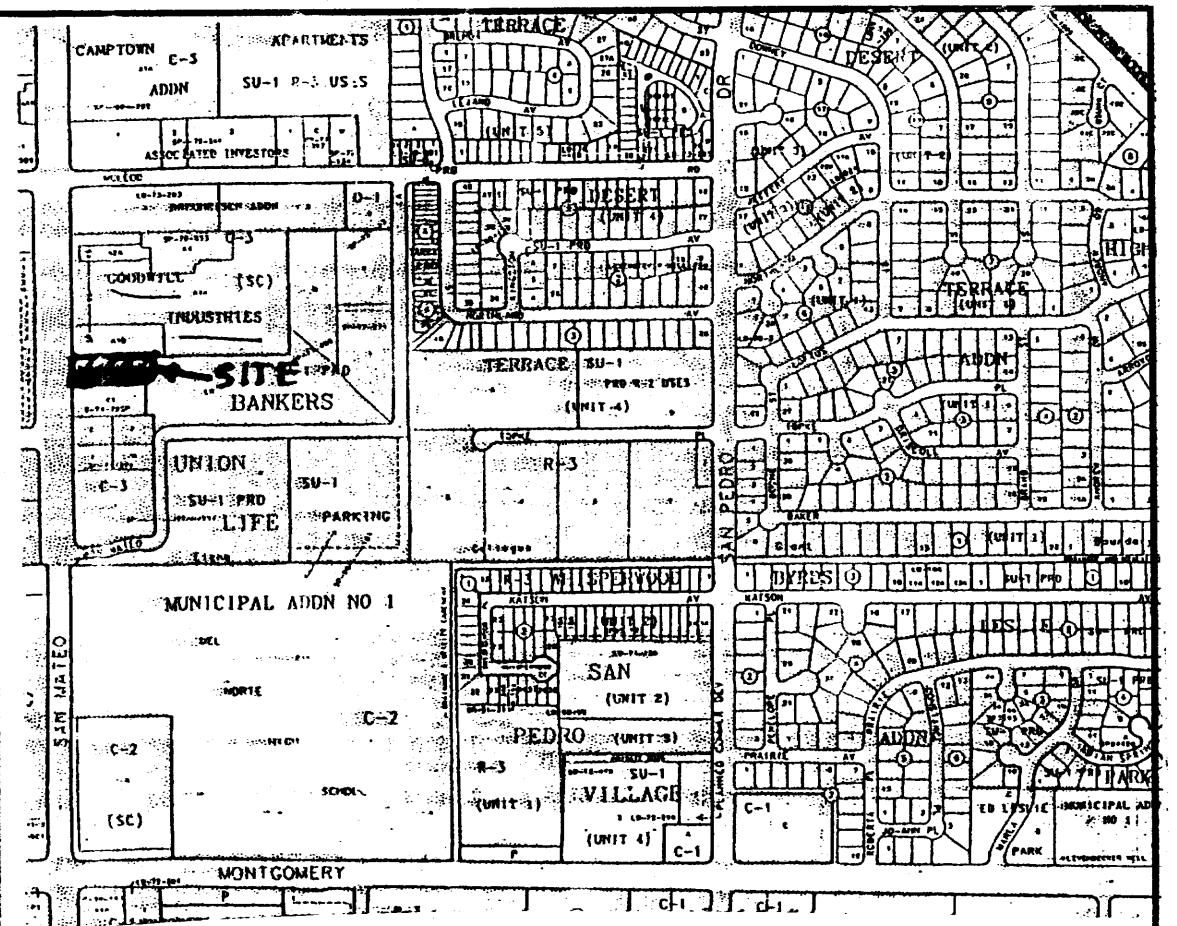
RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Drew Owens Construction Co., and by the surveyor, Daggett Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Mark Goodwin 2/16/00
Mark Goodwin NMPE 8948



RECEIVED
FEB 16 2000
HYDROLOGY SECTION



VICINITY MAP ZONE MAP: F-18-Z

T B M (TEMPORARY BENCHMARK)

FINISHED FLOOR OF EXISTING BUILDING FF=5002.28

ACS BENCHMARK

THE STATION 5-F18A IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND SAN MATEO BLVD. N.E.

TO REACH THE STATION FROM THE INTERCHANGE AT I-25 AND MONTGOMERY BLVD., GO EAST ON MONTGOMERY BLVD. 1.3 MILES TO SAN MATEO BLVD.

THE STATION MARK IS A STANDARD ACS BRASS TABLET STAMPED "5-F18A 1978", SET IN TOP OF THE CONCRETE CURB.

X=399655.33 Y=1503060.85 ELEVATION=5201.826

LEGAL DESCRIPTION

TRACT 4, GOODWILL INDUSTRIES.

NOTES

1. SITE DOES NOT LIE WITHIN A 100 YEAR FLOOD ZONE.
2. PROJECT ENTAILS REMOVING EXISTING ASPHALT PAVEMENT AND CONSTRUCTING A BUILDING ADDITION NO CHANGE IN RUNOFF QUANTITIES OR PATTERNS WILL OCCUR.
3. NO OFFSITE FLOWS ENTER THIS SITE.

LEGEND

- — — — — PROPERTY LINE
- — — — — EXISTING CURB
- — — — — EXISTING CONTOUR
- — — — — EXISTING OVERHEAD ELETIC LINE
- — — — — EXISTING POWER POLE
- — — — — EXISTING SPOT ELEVATION

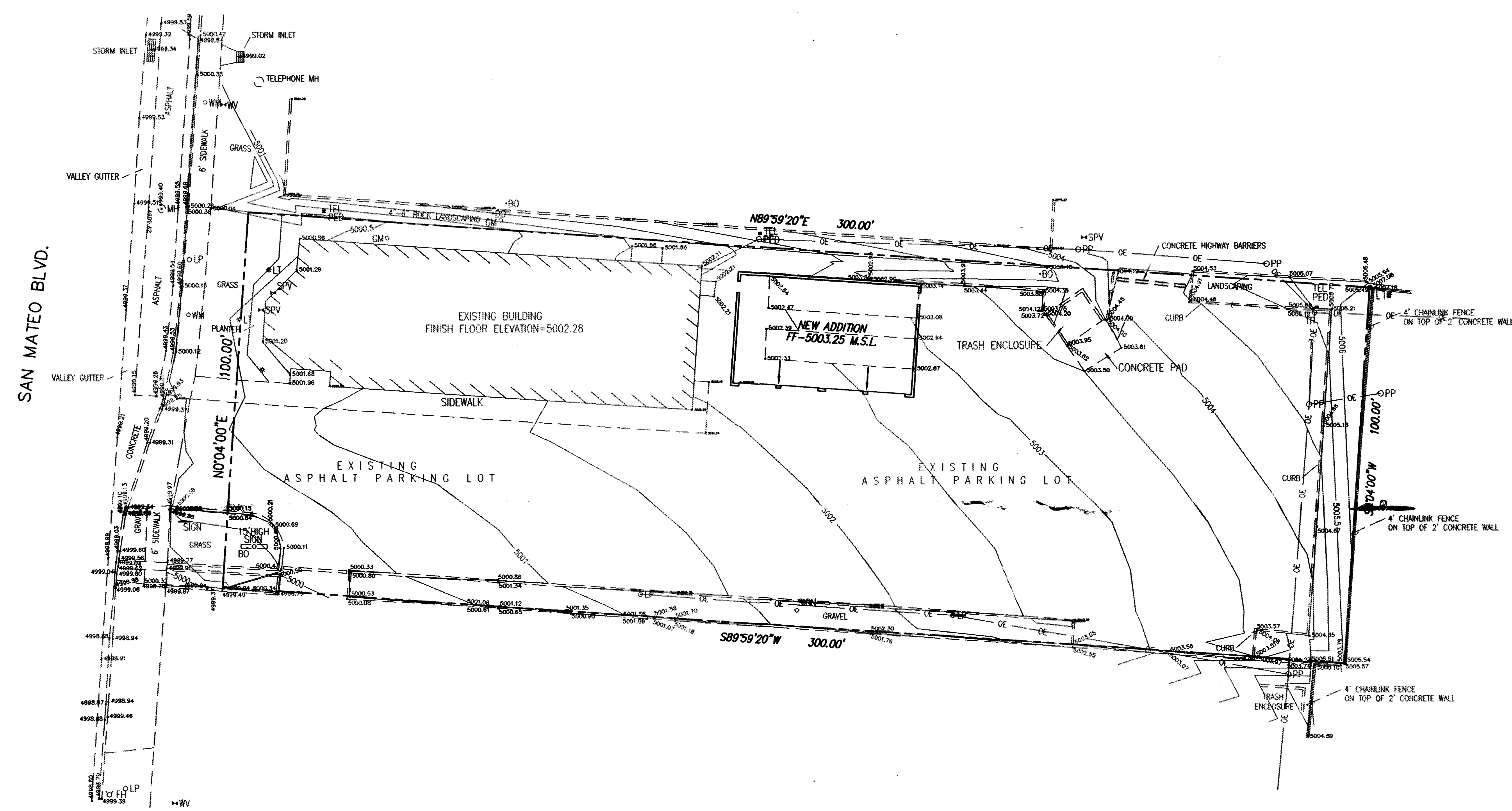
BRAKE MASTER ADDITION

GRADING AND DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

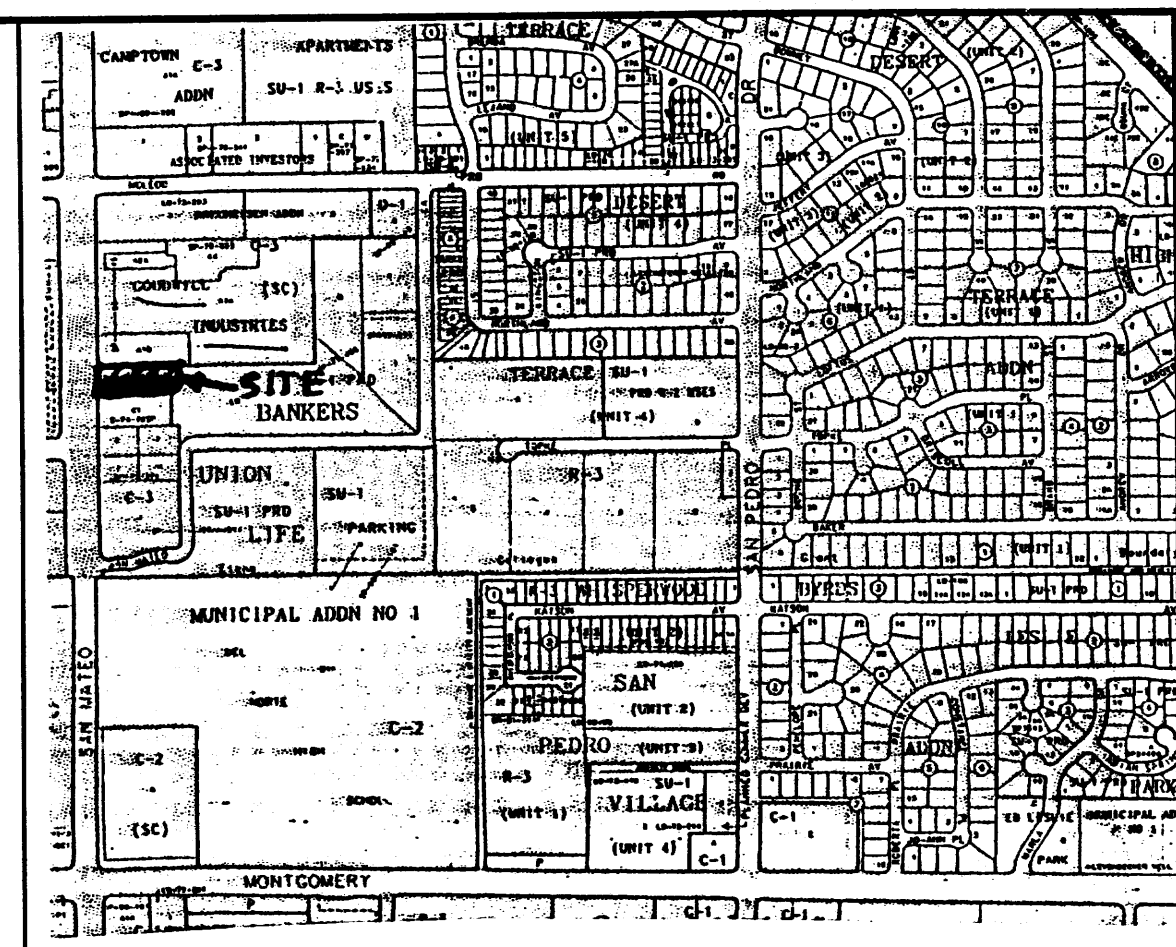
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Scale: 1" = 20' Date: 04/99 Job: 99025

9025BMA/9025CND20/06-16-99/KJS



DRAINAGE CALCULATIONS

EXISTING	PROPOSED
A = 0.69 ac	A = 0.69 ac
$P_{100} = 2.60$ IN.	$P_{100} = 2.60$ IN.
$T_c = 10$ MIN.	$T_c = 10$ MIN.
$SD = 95\%$	$SD = 95\%$
$SB = 5\%$	$SB = 5\%$
$Q_{100} = 3.04$ cfs	$Q_{100} = 3.04$ cfs
$V_{100} = 5186$ FT ³	$V_{100} = 5186$ FT ³



VICINITY MAP ZONE MAP: F-18-Z

T B M (TEMPORARY BENCHMARK)
FINISHED FLOOR OF EXISTING BUILDING FF=5002.28

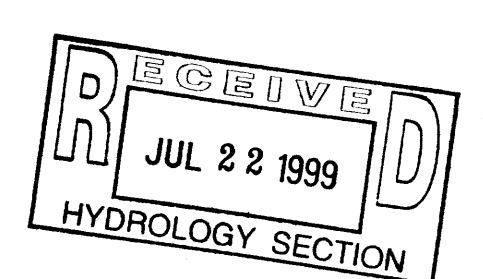
ACS BENCHMARK
THE STATION 5-F18A IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND SAN MATEO BLVD. N.E.
TO REACH THE STATION FROM THE INTERCHANGE AT I-25 AND MONTGOMERY BLVD., GO EAST ON MONTGOMERY BLVD. 1.3 MILES TO SAN MATEO BLVD.
THE STATION MARK IS A STANDARD ACS BRASS TABLE STAMPED "5-F18A 1978", SET IN TOP OF THE CONCRETE CURB.
X=399655.33 Y=1503060.85 ELEVATION=5201.826

LEGAL DESCRIPTION
TRACT J, GOODWILL INDUSTRIES.

- NOTES**
- SITE DOES NOT LIE WITHIN A 100 YEAR FLOOD ZONE.
 - PROJECT ENTAILS REMOVING EXISTING ASPHALT PAVEMENT AND CONSTRUCTING A BUILDING ADDITION NO CHANGE IN RUNOFF QUANTITIES OR PATTERNS WILL OCCUR.
 - NO OFFSITE FLOWS ENTER THIS SITE.

LEGEND

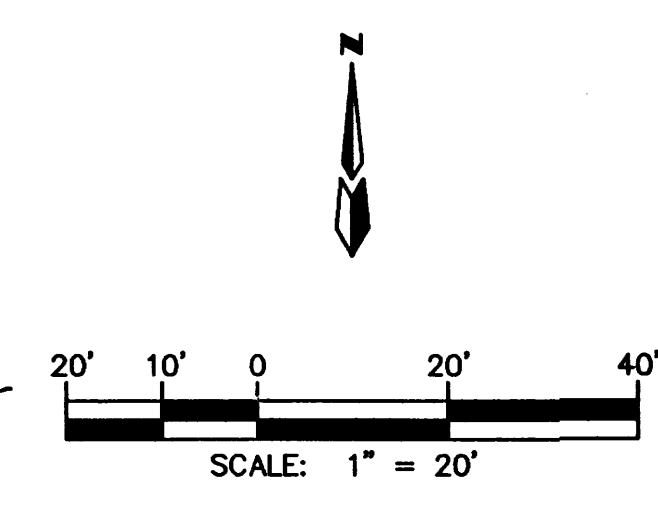
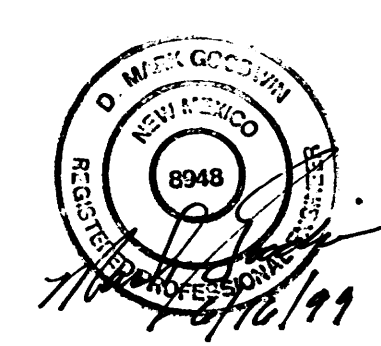
---	PROPERTY LINE
==	EXISTING CURB
---	EXISTING CONTOUR
---	EXISTING OVERHEAD ELETRIC LINE
○PP	EXISTING POWER POLE
+5003.06	EXISTING SPOT ELEVATION

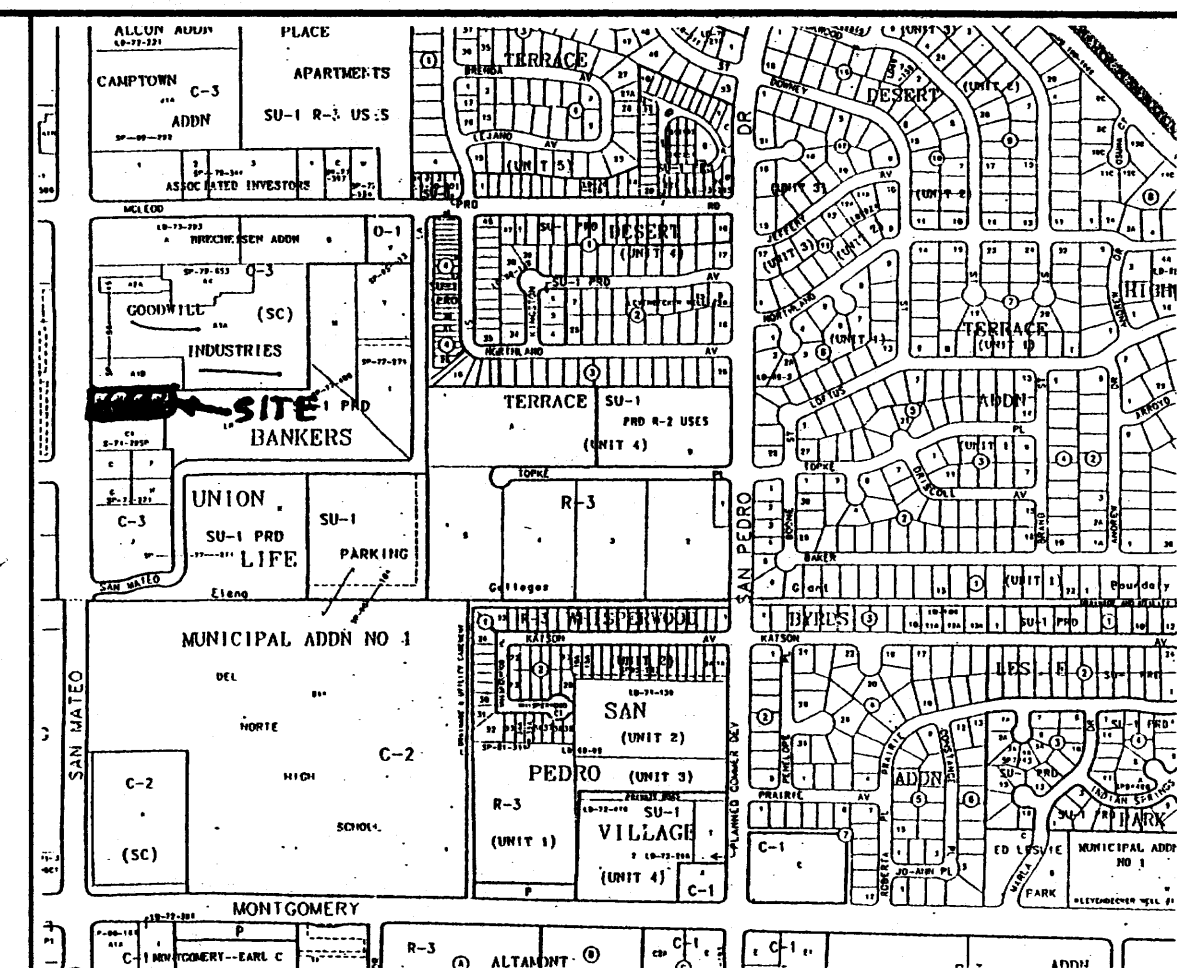
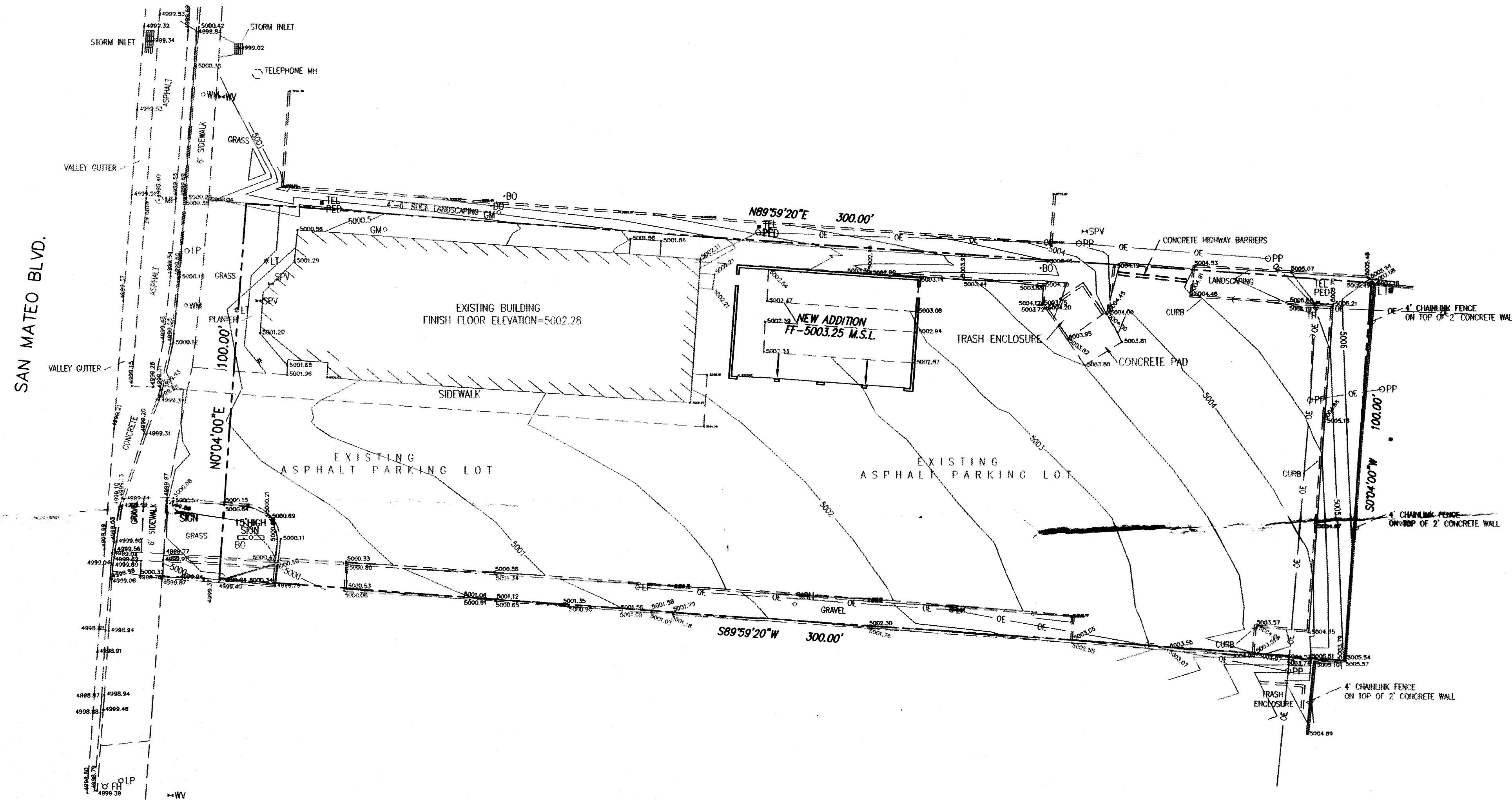


BRAKE MASTER ADDITION GRADING AND DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

Designed: DMG	Drawn: KJS, WL.V	Checked: DMG	Sheet 1 of 1
Scale: 1" = 20'	Date: 04/99	Job: 99025	





VICINITY MAP ZONE MAP: F-18-Z

T B M (TEMPORARY BENCHMARK)

FINISHED FLOOR OF EXISTING BUILDING FF=5002.28

ACS BENCHMARK

THE STATION 5-F18A IS LOCATED 5.1 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND SAN MATEO BLVD. N.E.

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X=399655.33 Y=1503060.85 ELEVATION=5201.826

LEGAL DESCRIPTION

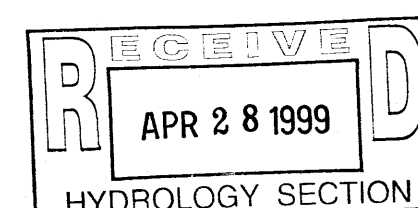
TRACT 4, GOODWILL INDUSTRIES.

NOTES

1. SITE DOES NOT LIE WITHIN A 100 YEAR FLOOD ZONE.
2. PROJECT ENTAILS REMOVING EXISTING ASPHALT PAVEMENT AND CONSTRUCTING A BUILDING ADDITION NO CHANGE IN RUNOFF QUANTITIES OR PATTERNS WILL OCCUR.

LEGEND

- PROPERTY LINE
- EXISTING CURB
- EXISTING CONTOUR
- EXISTING OVERHEAD ELETRIC LINE
- EXISTING POWER POLE
- EXISTING SPOT ELEVATION

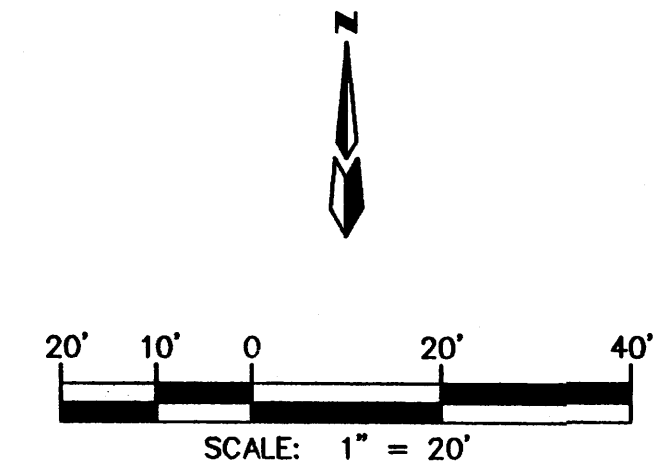


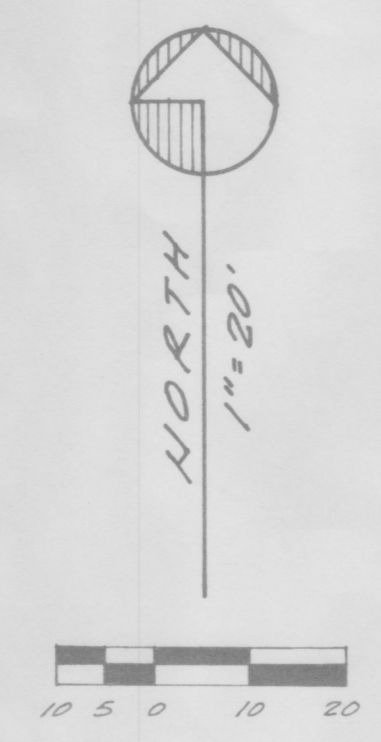
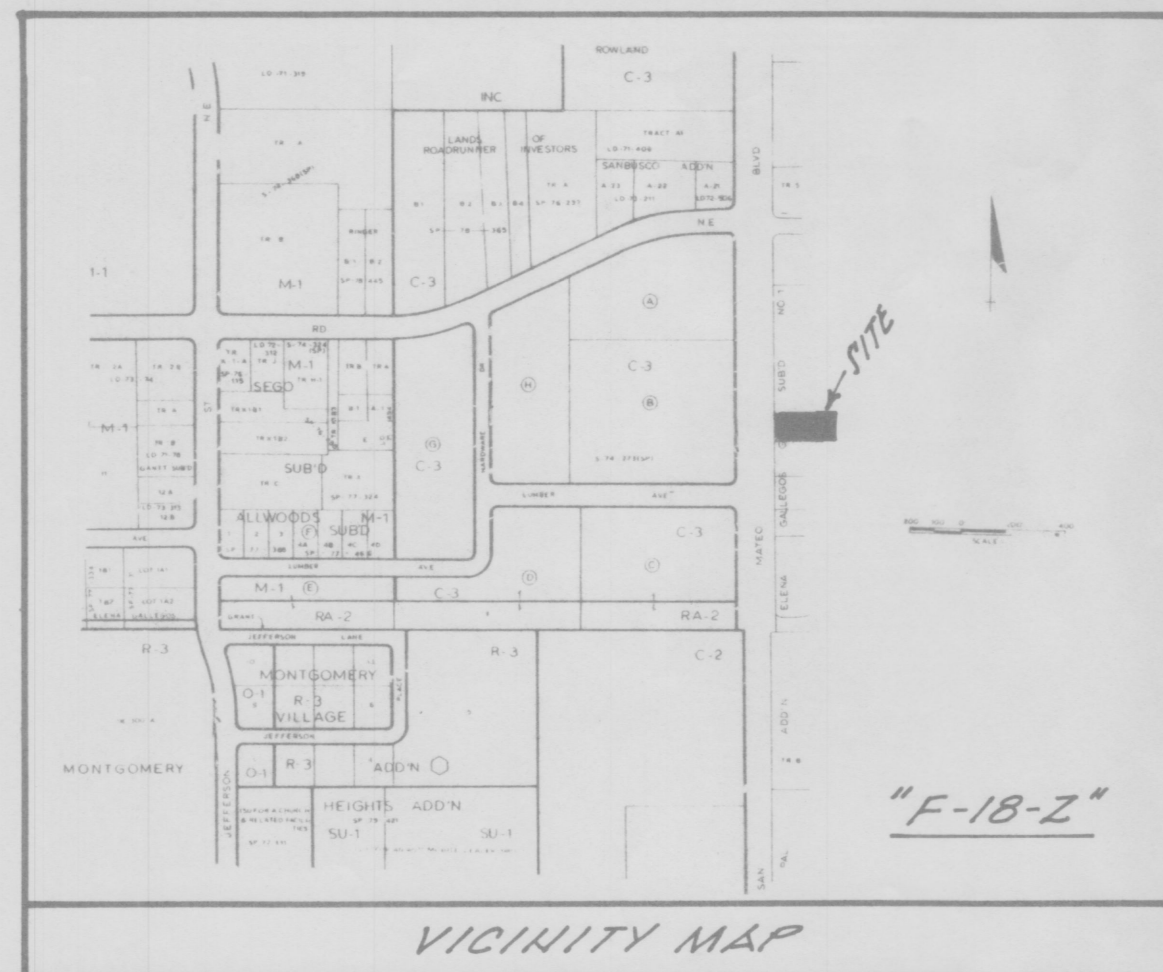
BRAKE MASTER ADDITION

CONCEPTUAL GRADING AND DRAINAGE PLAN

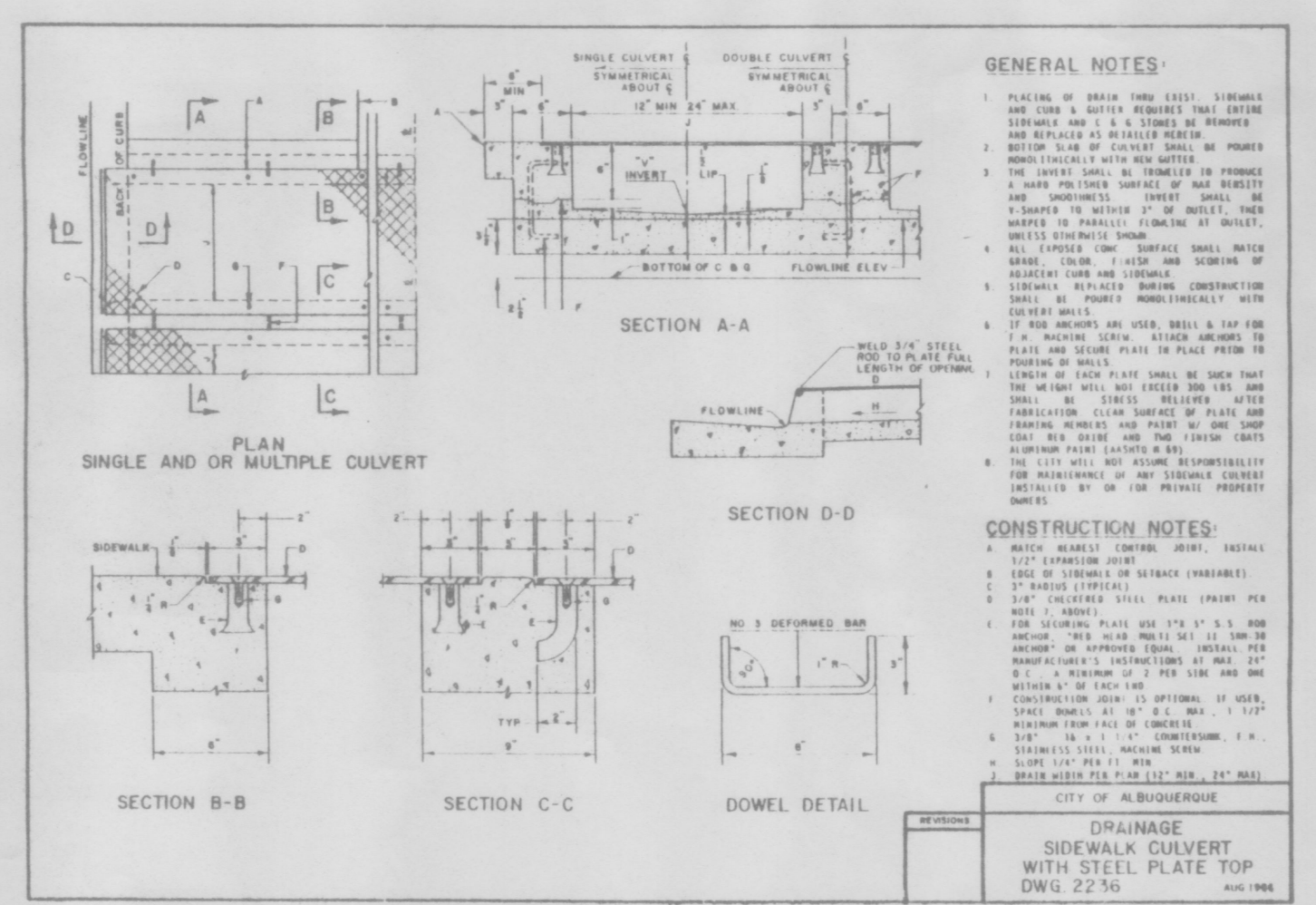
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

Designed: DMG	Drawn: KJS, WLW	Checked: DMG	Sheet 1 of 1
Scale: 1" = 20'	Date: 04/99	Job: 99025	



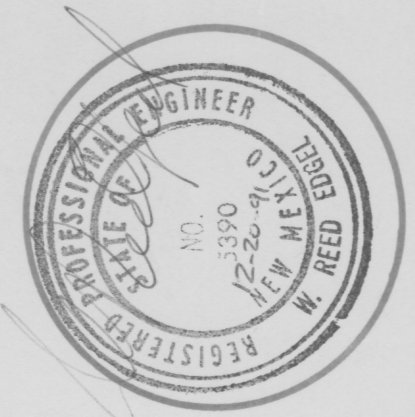


NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE PERMIT.



- NOTICE TO CONTRACTOR:
- 1.) AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THIS PERMIT MUST BE SUBMITTED AT THE TIME OF APPLICATION OF THIS PERMIT.
 - 2.) 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 SPECIFICATION - PUBLIC WORKS CONSTRUCTION - 1985.
 - 3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (765-1234) FOR LOCATION OF EXISTING UTILITIES.
 - 4.) 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 A MINIMUM AMOUNT OF DELAY.
 - 5.) BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
 - 6.) MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

APPROVALS	NAME	DATE
A.C.E./DESIGN		
INSPECTOR		
A.C.E./FIELD		



REVISIONS:

JOB NO. 9127
DRAWN BY: BR
CHECKED BY:
DATE: 12-19-91

EGLIN/COHEN & ASSOCIATES, ARCHITECTS
201 E. PORT LOVELL ROAD, SUITE 201, LOS ANGELES, CA 90045
DESIGN FIRM

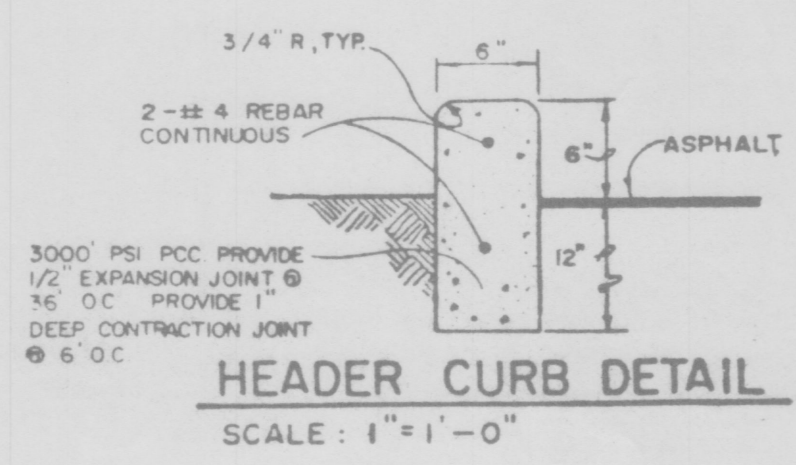
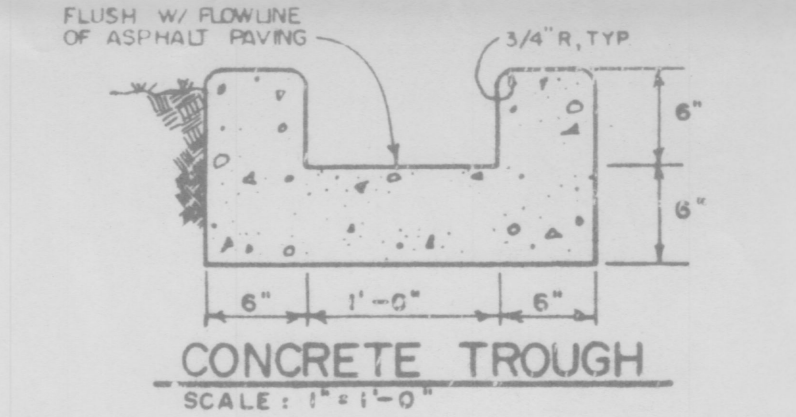
GRADING & DRAINAGE PLAN
BRAKE MASTERS
4900 SAN MATEO BLVD. N.E.
ALBUQUERQUE, NEW MEXICO
BRAKE MASTERS

GASKIN & ASSOCIATES, INCORPORATED
144 WASHINGTON ST.
ALBUQUERQUE, NEW MEXICO
871080505/266-9831

SHEET NO.
OF SHEET

- LEGEND:
- 10.76 = TOP OF CURB ELEVATION
 - 10.17 = CURB FIN LINE ELEVATION
 - 15 = EXISTING CONTOUR
 - 13 = PROPOSED CONTOUR
 - 10.65 = EXISTING FENCE
 - 10.65 = PROPOSED FENCE ELEVATION
 - 10.65 = PROPOSED LIMIT OF NEW PAVING

- A = NEW LANDSCAPED AREA
- B = ROLLED ASPHALT CURBING (6" HIGH) ADJACENT TO NEW LANDSCAPED AREA
- C = CONCRETE HEADER CURBING (SEE DETAIL "C")



EROSION CONTROL MEASURES:

- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:
- 1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.
 - 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREETS.
 - 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN BRODDED FROM THE SITE AND DEPOSITED THERE.

CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 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 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 CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

BENCH MARK REFERENCE:

CITY OF ALBUQUERQUE BRASS CAP STATION "G-F-18", LOCATED AT THE INTERSECTION OF SAN MATEO BLVD. N.E. AND SAN MATEO BLVD. N.E.; M.S.L.D. ELEVATION = 5209.56; PROJECT B.M. AS SHOWN ON THE PLAN HEREON.

LEGAL DESCRIPTION:

TRACT "J" OF THE REDIVISION OF A TRACT OF LAND WITHIN THE ELENA GALLEGOS GRANT, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (PLAT FILED: JUNE 5, 1974, (BK. A5, P. 80).

DRAINAGE COMMENTS:

AS SHOWN ON THE PLAN HEREON, THE SUBJECT PROJECT IS LOCATED ON THE EAST SIDE OF SAN MATEO BLVD. N.E., BETWEEN MONTGOMERY BLVD. N.E. AND McLEOD ROAD N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO; THE SUBJECT SITE IS PAVED AND DEVELOPED AS A FORMER "WHAT-A-BURGER" SITE.

THE PROPOSED NEW BUILDING WILL BE CONSTRUCTED OVER PRESENT IMPERVIOUS AREA OF EXISTING ASPHALT PAVING AND A CONCRETE FLOOR SLAB OF THE FORMER BUILDING. THE SURROUNDING PROPERTIES ARE ALSO FULLY DEVELOPED AND PAVED; THE SUBJECT SITE AT THE PRESENT TIME DOES ACCEPT MINIMAL OFF-SITE FLOWS FROM THE ADJACENT PROPERTY TO THE NORTH (GOODWILL INDUSTRIES PROPERTY). THESE FLOWS WILL BE ALLOWED TO CONTINUE INTO OUR SUBJECT SITE; ALSO, THE PRESENT SURFACE FLOWS OF OUR SUBJECT SITE WILL BE RE-DIRECTED TOWARDS AND INTO SAN MATEO BLVD. N.E. VIA CONCRETE HEADER TYPE CURBING AND A PROPOSED SIDEWALK CULVERT.

THE PROPOSED DRAINAGE CONDITIONS WILL REMAIN THE SAME AS THE EXISTING DEVELOPED CONDITIONS OF THE SUBJECT SITE.

