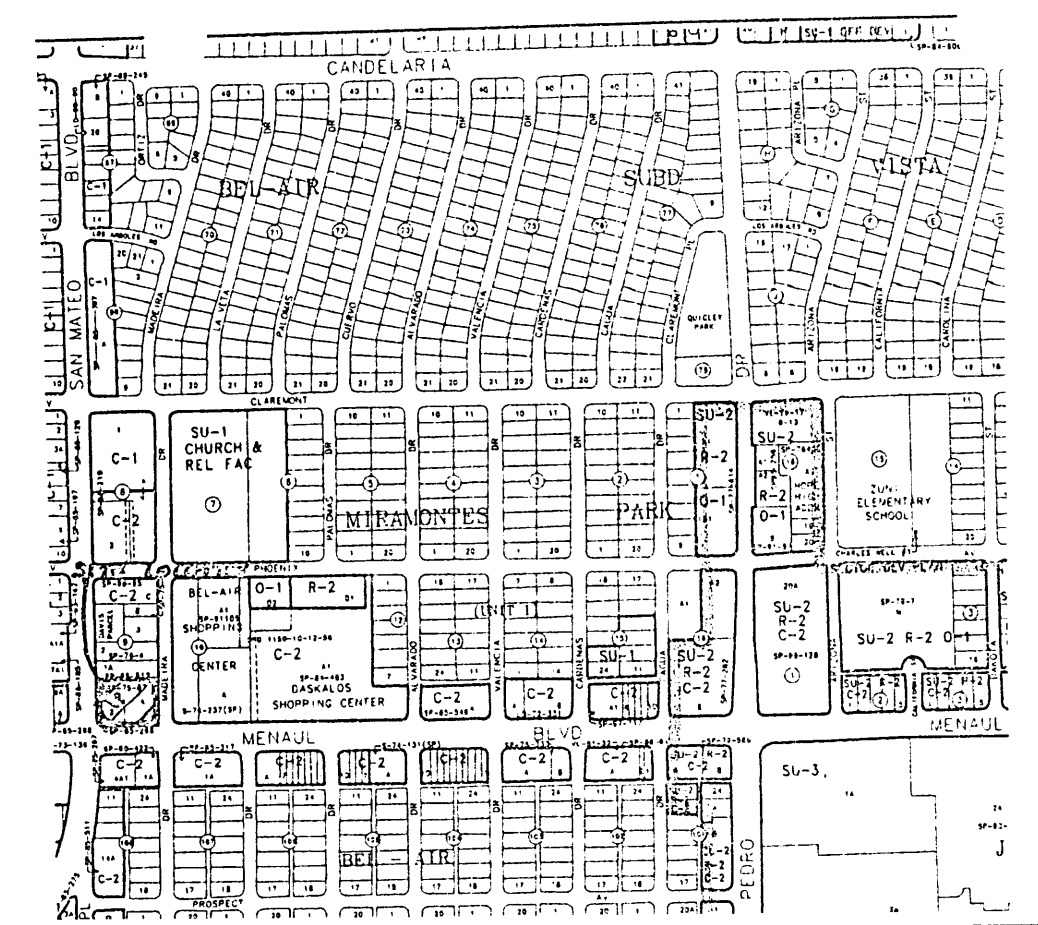


Mark Goodwin NMPE 8948

FD. 3 1/4" ALUM. CAP
ACS STATION 18-H18
N 1495105.0605
E 400931.7256

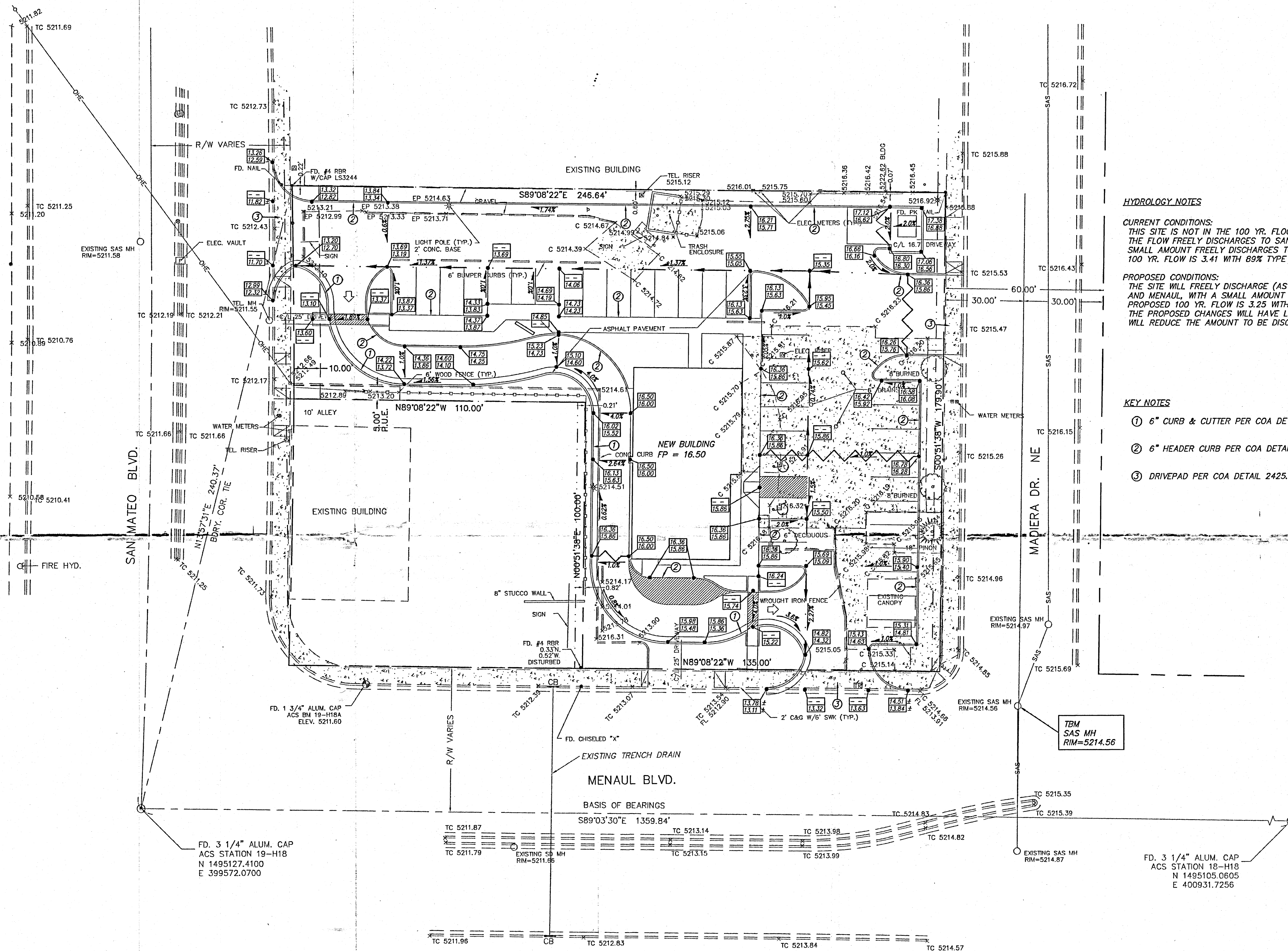


RECEIVED
OCT 16 2000
HYDROLOGY SECTION

<i>BURGER KING - MENAUL</i>
<i>GRADING AND DRAINAGE PLAN</i>

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

Designed: <i>ALD</i>	Drawn: <i>WLV</i>	Checked: <i>DMG</i>	Sheet <i>I</i> of <i>I</i>
Scale: <i>1" = 20'</i>	Date: <i>5/00</i>	Job: <i>A00048</i>	



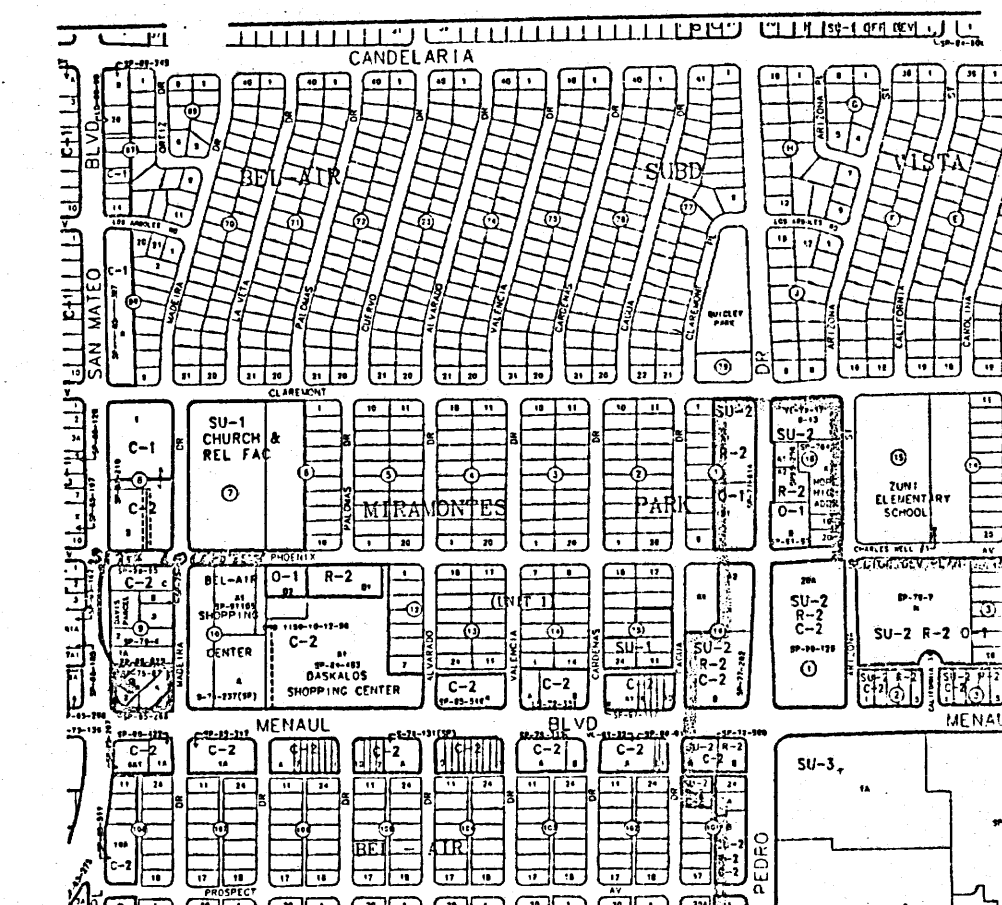
HYDROLOGY NOTES

CURRENT CONDITIONS:
THIS SITE IS NOT IN THE 100 YR. FLOOD ZONE. ALMOST ALL OF THE FLOW FREELY DISCHARGES TO SAN MATEO AND MENAUL. A SMALL AMOUNT FREELY DISCHARGES TO MADIERA DR.. THE CURRENT 100 YR. FLOW IS 3.41 WITH 89% TYPE D AND 11% TYPE B.

PROPOSED CONDITIONS:
THE SITE WILL FREELY DISCHARGE (AS BEFORE) MOSTLY TO SAN MATEO AND MENAUL, WITH A SMALL AMOUNT GOING TO MADIERA DR.. THE PROPOSED 100 YR. FLOW IS 3.25 WITH 80% TYPE D AND 20% TYPE B. THE PROPOSED CHANGES WILL HAVE LESS IMPERVIOUS AREAS WHICH WILL REDUCE THE AMOUNT TO BE DISCHARGED TO THE STREETS.

KEY NOTES

- ① 6" CURB & CUTTER PER COA DETAIL 2415.
- ② 6" HEADER CURB PER COA DETAIL 2415.
- ③ DRIVEPAD PER COA DETAIL 2425.



VICINITY MAP ZONE MAP: H-18-Z

T B M (TEMPORARY BENCHMARK)

SANITARY SEWER MANHOLE AT THE INTERSECTION OF MENAUL BLVD. AND MADIERA DR. RIM ELEV. = 5214.56

ACS BENCHMARK

STATION MARK IS A 1 3/4" ACS ALUM. CAP STAMPED "19-H18A ELEVATION = 5211.60.

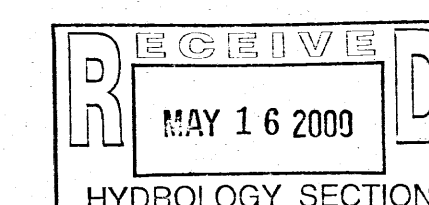
LOCATED AT THE INTERSECTION OF MENAUL BLVD. AND SAN MATEO BLVD. IN THE N.E. QUADRANT OF THE INTERSECTION, SET IN THE TOP OF THE CONCRETE CURB AT THE EAST END OF THE NORTHEAST CURB RETURN.

LEGAL DESCRIPTION

PARCEL A OF BLOCK 9, OF THE SUMMARY PLAT SHOWING PARCEL A WITHIN BLOCK 9, MIRAMONTES PARK, UNIT 1, A SUBDIVISION OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, A CERTAIN PARCEL OF LAND SITUATED IN SECTION 12, TOWNSHIP 10 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, BERNALILLO COUNTY, NEW MEXICO.

LEGEND

---	PROPERTY LINE
==	EXISTING CURB AND GUTTER
---	NEW HEADER CURB
SAS	EXISTING SANITARY SEWER LINE
OHE	EXISTING OVER HEAD ELECTRIC LINE
TC 5212.43 x	EXISTING TOP OF CURB SPOT ELEVATION
FL 5212.90 x	EXISTING FLOWLINE SPOT ELEVATION
x 5214.61	EXISTING SPOT ELEVATION
1.0%	FLOW DIRECTION
15.99 16.45	NEW SPOT ELEVATIONS
~~~~~	WATER BLOCK (HIGH POINT)
~~~~~	SWALE (LOW POINT)
==	NEW 6" CURB & GUTTER



BURGER KING - MENAUL GRADING AND DRAINAGE PLAN

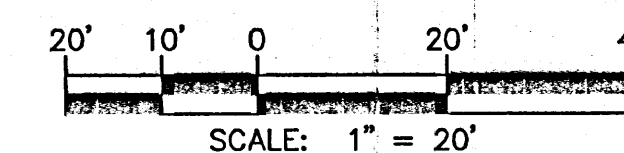
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS

P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

Designed: ALD	Drawn: WLV	Checked: DMG	Sheet 1 of 1
Scale: 1" = 20'	Date: 5/00	Job: A00048	

START TIME=0.0
***** BURGER KING AT MENAUL AND SAN MATEO *****
***** 100-YEAR 6-HOUR STORM EVENT *****
***** FILE: C:\AR\HYDRO\BKGKING.DAT MAY 2000 BY:AMV *****
RAINFALL TYPE=1 RAIN QUANTER=0.0 IN
RAIN ONE=2.05 IN RAIN SIX=2.42 IN
RAIN DAY=2.85 IN DT=0.033333 HR
***** EXISTING CONDITIONS *****
***** ENTIRE SITE *****
COMPUTE NM HYD ID=1 HYD NO=100.00 AREA=0.00117 SQ MI
PER A=0.00 PER B=11.00 PER C=0.00 PER D=89.00
TP=0.1333 HR MASS RAINFALL=-1
ID=1 CODE=1
***** DEVELOPED CONDITIONS *****
***** ENTIRE SITE *****
COMPUTE NM HYD ID=2 HYD NO=200.00 AREA=0.00117 SQ MI
PER A=0.00 PER B=20.00 PER C=0.00 PER D=80.00
TP=0.1333 HR MASS RAINFALL=-1
ID=2 CODE=1
***** PRINT HYD *****
***** PRINT HYD *****

ARNO SUMMARY TABLE (ARNO194) - ARNO Hydrologic Model - January, 1994									
INPUT FILE = BKGKING.DAT									
RUN DATE (MM/DD/YY) = 05/12/2000									
USER NO. = H_G00006.101									
PAGE = 1									
COMBAND	HYDROGRAPH	ID	NO.	AREA	PEAK	RUNOFF	TIME TO	CS	PER
				(SQ MI)	DISCHARGE	(AC-FT)	PEAK	PER	NOTATION
					(CFS)		(HOURS)	ACRE	
START	RAINFALL	TYPE=1							TIME=
100.00	-	1		.00117	3.41	-127	2.03360	1.500	4.355 PER 100' = 89.00
200.00	-	2		.00117	3.25	-119	1.91082	1.500	4.338 PER 100' = 80.00
FINISH									



A0048BK\0048GD20\15-04-00\WLV.MJR