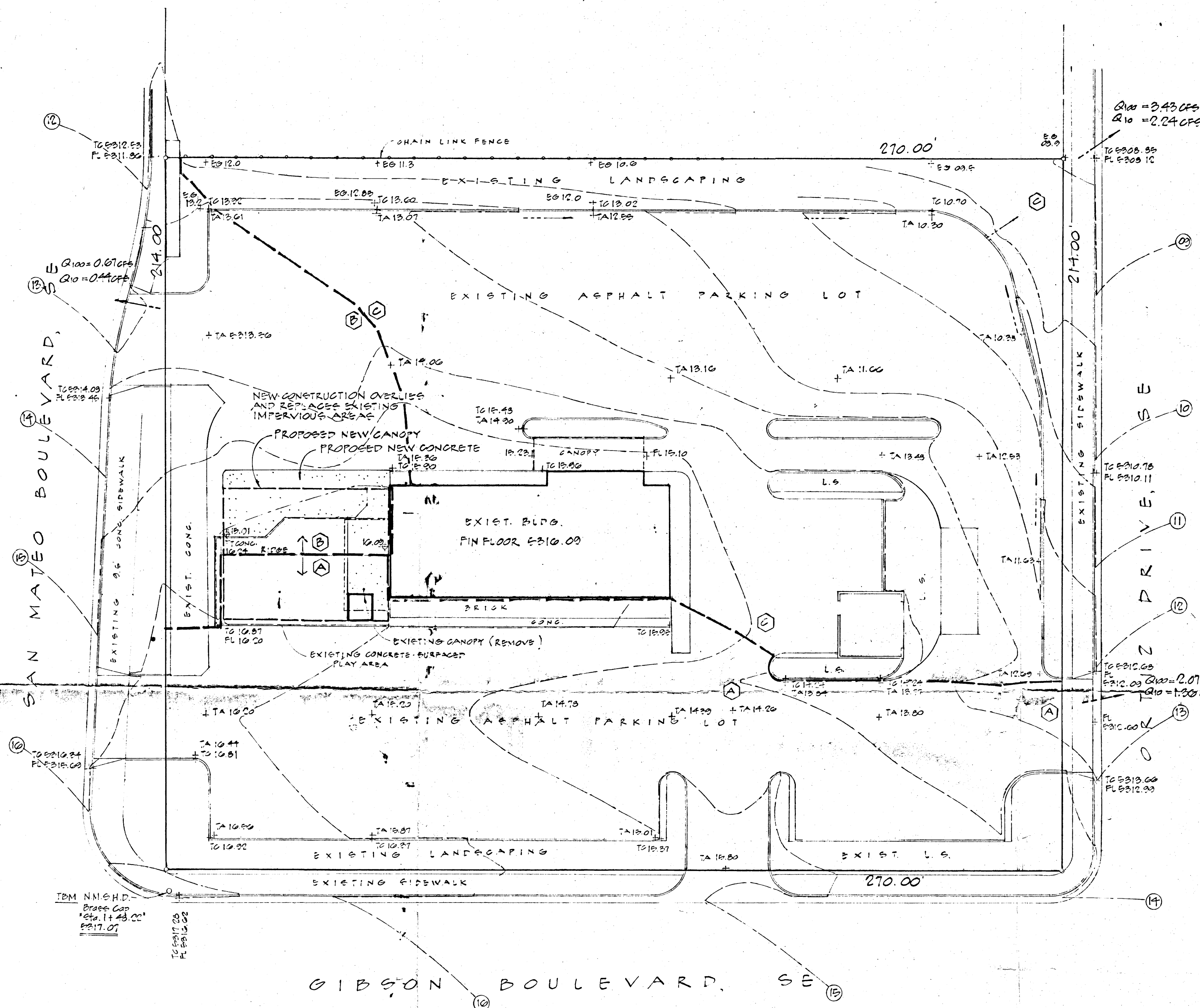




# PROPOSED DEVELOPMENT

PROPOSED NEW CONSTRUCTION CONSISTS OF REMOVAL OF PORTIONS OF ASPHALT PAVEMENT AND CONCRETE PAD WITH PLACEMENT OF NEW CONCRETE PAD WITH A 40' X 50' CANOPY. THERE ARE NO PROPOSED CHANGES OF ANY EXISTING LANDSCAPING AREAS. RUNOFF FROM NEW ROOF AREA WILL ALTER EXISTING ON-SITE FLOW ROUTING TO EXISTING EXIT POINTS FOR AREAS "A" AND "B". AREA "C" IS NOT AFFECTED BY THIS PLAN. THERE IS TO BE NO ALTERATION OF PERVIOUS AREAS AND THE EXPECTED TOTAL RUNOFF RATES AND VOLUMES WILL NOT BE ALTERED. RUNOFF RATES AND VOLUMES SHOWN ON THIS SHEET HAVE BEEN PREPARED FOR RECORD UNDER D.P.M. SECTION 22.2 GUIDELINES ADOPTED IN JANUARY, 1993. NO PREVIOUS RECORD DATA FOR THIS SITE EXIST.

# DISPOSAL ROUTING

BOTH OUTFALLS TO ORTIZ DRIVE, SE FLOW NORTHWARD TO ROSS AVENUE, SE. THEN WEST AND ARE INTERCEPTED BY A STORM DRAIN SYSTEM BENEATH SAN MATEO BOULEVARD, SE. FLOOD INSURANCE RATE MAP, PANEL 36 OF 50 SHOWS THAT THE AREA IN THE VICINITY OF THE INTERSECTIONS OF ROSS AVENUE WITH BOTH ORTIZ DRIVE AND SAN MATEO BOULEVARD IS WITHIN A 100-YEAR FLOOD HAZARD AREA SUBJECT TO 100-YEAR FLOODING WITH DEPTHS OF ONE FOOT. RUNOFF FROM AREA "B" TO SAN MATEO BOULEVARD DRAINS TO THE SAME INTERSECTION. ALL ROUTING SURFACES ARE IMPROVED; NO DOWNSTREAM EROSION CAN OCCUR.

# BENCH MARK

18-117 ACS, SQUARE CHISELED ON THE TOP OF A CONCRETE CURB AT THE WSW RETURN OF THE INTERSECTION OF RIDGECREST DRIVE AND JACKSON STREET, SE. BOULEVARD AND CAMERO AVENUE, NE. ELEV. 5311.258

# T.B.M.

N.M.S.H.D. CAP, "STA. 1+48.22" LOCATED AT BACK OF CURB (SAN MATEO) ADJACENT TO SOUTHWESTERLY CORNER OF THE SITE. DIRECTLY TO THE NORTH ELEV. 5317.07

PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN HEREON ARE TO FINISH SURFACES. CONTRACTOR SHALL DETERMINE APPROPRIATE SUBGRADES.

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHTS-OF-WAY DURING CONSTRUCTION.

# LEGEND

- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- TOP OF ASPHALT
- TOP OF CURB
- FLOW LINE
- DIRECTION OF FLOW
- DIVISION OF INTERIOR FLOWS



# DATA

AREA OF LOT 57780 SQ. FT. (1.33 AC.)  
SLOPE 1%

# EXISTING ON-SITE CONDITIONS

THIS IS AN EXISTING, FULLY DEVELOPED COMMERCIAL PROPERTY. IT IS OCCUPIED BY A SINGLE STORY BUILDING WITH PARKING AREAS AND LANDSCAPING AS NOTED ON THE PLAN. THERE ARE NO STORMWATER DETENTION BASINS ON SITE. 85% OF THIS SITE IS COVERED WITH IMPERVIOUS SURFACING, INCLUDING ASPHALT, CONCRETE AND ROOFS. THE REMAINING 15% IS LANDSCAPED. SITE DRAINS TO THREE EXIT POINTS: AREA "A" (SEE PLAN) DRAINS EASTWARD AND DISCHARGES TO ORTIZ DRIVE, SE VIA A DRIVEPAD; AREA "B" DISCHARGES VIA DRIVEPAD INTO SAN MATEO BOULEVARD, SE; AREA "C" EXITS SITE ACROSS NORTHEAST CORNER OVER SIDEWALK. EXISTING FLOW RATES AND VOLUMES FOR EACH AREA ARE LISTED BELOW.

# DRAINAGE DATA

THIS PROPERTY LIES WITHIN PRECIPITATION ZONE 3.

| CONDITION                                    | STORM RETURN PERIOD | TREATMENT TYPE | TREATMENT AREA | EXCESS PRECIP. IN. | PEAK RUNOFF CFS/AC | PEAK RUNOFF CU. FT. | RUNOFF RATE CFS |
|----------------------------------------------|---------------------|----------------|----------------|--------------------|--------------------|---------------------|-----------------|
| AREA "A" TO ORTIZ DRIVE, SE                  |                     |                |                |                    |                    |                     |                 |
| EXISTING                                     | 100                 | A              | - 0 -          | 0.66               | 1.87               | 210                 | 0.16            |
|                                              |                     | B              | 2737           | 0.92               | 2.60               |                     |                 |
|                                              |                     | C              | - 0 -          | 1.29               | 3.45               |                     |                 |
|                                              |                     | D              | 15599          | 2.36               | 5.02               | 3264                | 1.91            |
| EXISTING                                     | 10                  | A              | - 0 -          | 0.19               | 0.58               |                     |                 |
|                                              |                     | B              | 2737           | 0.36               | 1.19               | 82                  | 0.07            |
|                                              |                     | C              | - 0 -          | 0.62               | 2.00               |                     |                 |
|                                              |                     | D              | 15599          | 1.50               | 3.39               | 2075                | 1.29            |
| AREA "B" TO SAN MATEO BOULEVARD, SE          |                     |                |                |                    |                    |                     |                 |
| EXISTING                                     | 100                 | A              | - 0 -          | 0.66               | 1.87               | 32                  | 0.02            |
|                                              |                     | B              | 417            | 0.92               | 2.60               |                     |                 |
|                                              |                     | C              | - 0 -          | 1.29               | 3.45               |                     |                 |
|                                              |                     | D              | 6591           | 2.36               | 5.02               | 1100                | 0.65            |
| EXISTING                                     | 10                  | A              | - 0 -          | 0.19               | 0.58               |                     |                 |
|                                              |                     | B              | 417            | 0.36               | 1.19               | 13                  | 0.01            |
|                                              |                     | C              | - 0 -          | 0.62               | 2.00               |                     |                 |
|                                              |                     | D              | 6591           | 1.50               | 3.39               | 699                 | 0.43            |
| AREA "C" TO ORTIZ DRIVE, SE                  |                     |                |                |                    |                    |                     |                 |
| EXISTING                                     | 100                 | A              | - 0 -          | 0.66               | 1.87               | 426                 | 0.33            |
|                                              |                     | B              | 5553           | 0.92               | 2.60               |                     |                 |
|                                              |                     | C              | - 0 -          | 1.29               | 3.45               |                     |                 |
|                                              |                     | D              | 26923          | 2.36               | 5.02               | 5160                | 3.10            |
| EXISTING                                     | 10                  | A              | - 0 -          | 0.19               | 0.58               |                     |                 |
|                                              |                     | B              | 5553           | 0.36               | 1.19               | 167                 | 0.15            |
|                                              |                     | C              | - 0 -          | 0.62               | 2.00               |                     |                 |
|                                              |                     | D              | 26923          | 1.50               | 3.39               | 3365                | 2.09            |
| TOTAL                                        |                     |                |                |                    |                    |                     |                 |
|                                              | 100                 |                |                | 57780              |                    | 10165               | 6.37            |
|                                              | 10                  |                |                | 57780              |                    | 6400                | 4.04            |
| PROPOSED AREA "A" TO ORTIZ DRIVE, SE         |                     |                |                |                    |                    |                     |                 |
| PROPOSED                                     | 100                 | A              | - 0 -          | 0.66               | 1.87               | 210                 | 0.16            |
|                                              |                     | B              | 2737           | 0.92               | 2.60               |                     |                 |
|                                              |                     | C              | - 0 -          | 1.29               | 3.45               |                     |                 |
|                                              |                     | D              | 15599          | 2.36               | 5.02               | 3264                | 1.91            |
| PROPOSED                                     | 10                  | A              | - 0 -          | 0.19               | 0.58               |                     |                 |
|                                              |                     | B              | 2737           | 0.36               | 1.19               | 82                  | 0.07            |
|                                              |                     | C              | - 0 -          | 0.62               | 2.00               |                     |                 |
|                                              |                     | D              | 15599          | 1.50               | 3.39               | 2075                | 1.29            |
| PROPOSED AREA "B" TO SAN MATEO BOULEVARD, SE |                     |                |                |                    |                    |                     |                 |
| PROPOSED                                     | 100                 | A              | - 0 -          | 0.66               | 1.87               | 32                  | 0.02            |
|                                              |                     | B              | 417            | 0.92               | 2.60               |                     |                 |
|                                              |                     | C              | - 0 -          | 1.29               | 3.45               |                     |                 |
|                                              |                     | D              | 5591           | 2.36               | 5.02               | 1100                | 0.65            |
| PROPOSED                                     | 10                  | A              | - 0 -          | 0.19               | 0.58               |                     |                 |
|                                              |                     | B              | 417            | 0.36               | 1.19               | 13                  | 0.01            |
|                                              |                     | C              | - 0 -          | 0.62               | 2.00               |                     |                 |
|                                              |                     | D              | 5591           | 1.50               | 3.39               | 699                 | 0.43            |

- NOTES
- There is no expected increase of flows from this site. New roof area will reroute portions of flows from existing area "B" to area "A". Area "C" is not affected by this plan.
  - There are no contributory offsite flows to this site.

# DESCRIPTION OF PROPERTY

LOT "M"  
BLOCK 25  
VIRGINIA PLACE ADDITION  
ALBUQUERQUE, NEW MEXICO  
5001 GIBSON BOULEVARD, SE

Richard Hill  
6-24-94

# DRAINAGE PLAN

McDONALD'S RECEIVED  
MAY 26 1994

HALL ENGINEERING COMPANY, INC.  
ENGINEERING - SURVEYING - PLANNING - CONSTRUCTION  
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