

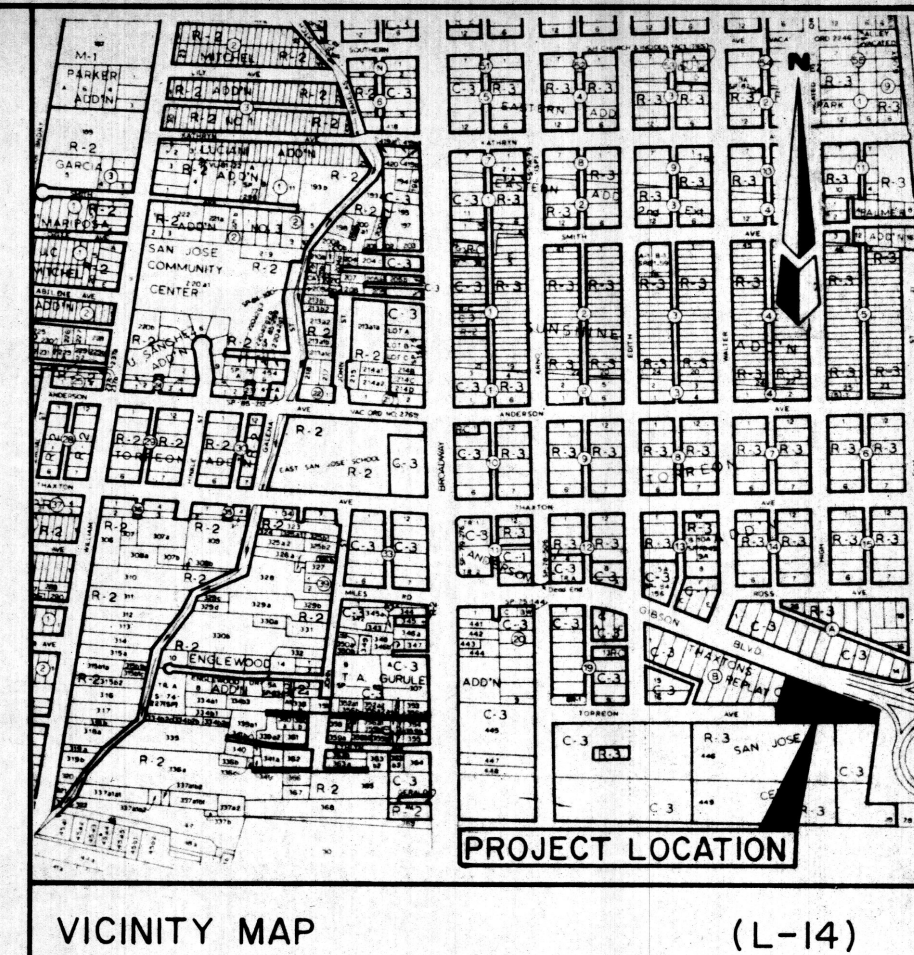
PROJECT MARTINEZ SHOP ADDITION  
 LOCATION  
 ANALYSIS POINT # EXISTING CONDITION  
 (DR. AREA) A = 0.88 AC.  
 Tc 10 MIN.  
 POINT RAINFALL 2.3 IN. FROM PLATE 22.2 D-1  
 CN = 72 FROM PLATE 22.2 C-2, 22.2 C-3  
 RUNOFF VOLUME R = 0.45 IN. FROM PLATE 22.2 C-4  
 COMPUTED Tp = 10 MIN. Tp = Tc  
 qp = 45.4A = 3.99 C.F.S./INCH OF RUNOFF  
 (Rounded to even minute)  
 $(R \times qp) = Q_{peak} = 1.8$  C.F.S.  
 $t(COLUMN) = (t/Tp)$  t = Tp(t/Tp)  
 $y = \frac{Q}{Q_{peak}} Q = y(Q_{peak})$   
 VOLUME 1438 CU. FT.

PROJECT MARTINEZ SHOP ADDITION  
 LOCATION  
 ANALYSIS POINT # PHASE I IMPROVEMENTS  
 (DR. AREA) A = 0.25 AC.  
 Tc 10 MIN.  
 POINT RAINFALL 2.3 IN. FROM PLATE 22.2 D-1  
 CN = 95 FROM PLATE 22.2 C-2, 22.2 C-3  
 RUNOFF VOLUME R = 1.8 IN. FROM PLATE 22.2 C-4  
 COMPUTED Tp = 10 MIN. Tp = Tc  
 qp = 45.4A = 1.04 C.F.S./INCH OF RUNOFF  
 (Rounded to even minute)  
 $(R \times qp) = Q_{peak} = 1.85$  C.F.S.  
 $t(COLUMN) = (t/Tp)$  t = Tp(t/Tp)  
 $y = \frac{Q}{Q_{peak}} Q = y(Q_{peak})$

PROJECT MARTINEZ SHOP ADDITION  
 LOCATION DRAINAGE AREA I & II  
 ANALYSIS POINT # PHASE II IMPROVEMENTS  
 (DR. AREA) A = 0.19 AC.  
 Tc 10 MIN.  
 POINT RAINFALL 2.3 IN. FROM PLATE 22.2 D-1  
 CN = 95 FROM PLATE 22.2 C-2, 22.2 C-3  
 RUNOFF VOLUME R = 1.8 IN. FROM PLATE 22.2 C-4  
 COMPUTED Tp = 10 MIN. Tp = Tc  
 qp = 45.4A = 0.86 C.F.S./INCH OF RUNOFF  
 (Rounded to even minute)  
 $(R \times qp) = Q_{peak} = 1.6$  C.F.S.  
 $t(COLUMN) = (t/Tp)$  t = Tp(t/Tp)  
 $y = \frac{Q}{Q_{peak}} Q = y(Q_{peak})$

PROJECT MARTINEZ SHOP ADDITION  
 LOCATION DRAINAGE AREA II  
 ANALYSIS POINT # PHASE II IMPROVEMENTS  
 (DR. AREA) A = 0.40 AC.  
 Tc 10 MIN.  
 POINT RAINFALL 2.3 IN. FROM PLATE 22.2 D-1  
 CN = 95 FROM PLATE 22.2 C-2, 22.2 C-3  
 RUNOFF VOLUME R = 1.8 IN. FROM PLATE 22.2 C-4  
 COMPUTED Tp = 10 MIN. Tp = Tc  
 qp = 45.4A = 1.98 C.F.S./INCH OF RUNOFF  
 (Rounded to even minute)  
 $(R \times qp) = Q_{peak} = 3.56$  C.F.S.  
 $t(COLUMN) = (t/Tp)$  t = Tp(t/Tp)  
 $y = \frac{Q}{Q_{peak}} Q = y(Q_{peak})$

LEGEND  
 --- EXISTING CONTOUR  
 --- PROPOSED CONTOUR  
 --- EDGE OF PAVEMENT  
 CONCRETE  
 ROOF LEADER  
 NEW ASPHALT  
 TC SPOT ELEV.  
 E



#### LEGAL DESCRIPTION

TRACT A, BLOCK B TORREON  
 ADDITION.

#### ACS 5-L14

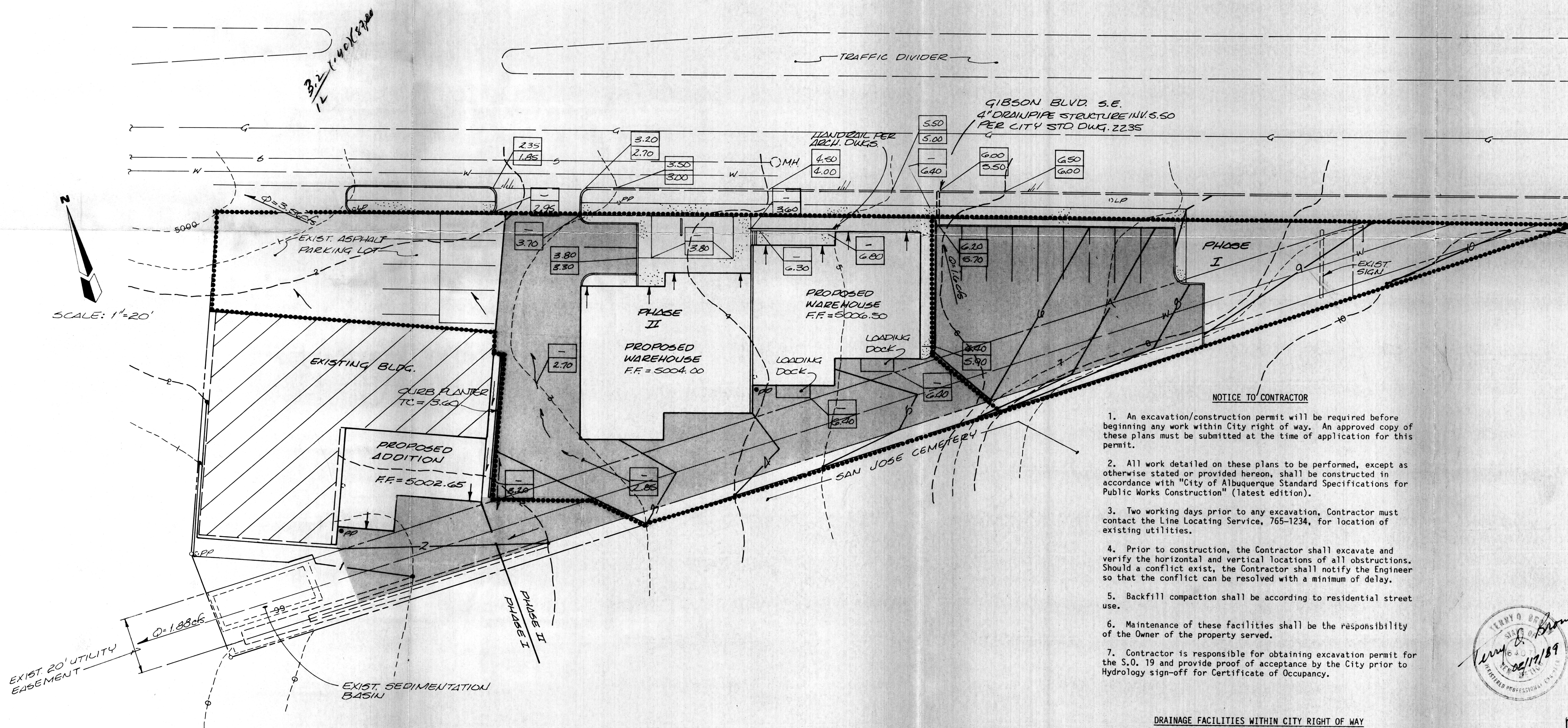
LOCATED ON THE NORTH SIDE OF  
 GIBSON BLVD. S.E., 500 FT. WEST OF  
 THE CROSSING OF U.S. HWY. 1-25.  
 ELEVATION = 5005.886

#### T.B.M.

TOP OF FINISHED FLOOR OF EXISTING  
 BLDG.  
 ELEVATION = 5002.65 M.S.L.

#### GENERAL NOTES

- TOPOGRAPHIC SURVEY PROVIDED BY EDWARD ROSS ELDER
- ALL ELEVATION ARE MEAN SEA LEVEL, M.S.L.
- ADD 5000 TO ALL SPOT ELEVATIONS.
- CONTOUR INTERVAL = 1'
- SITE IS NOT LOCATED IN A FLOOD PLAIN.
- NO OFF-SITE FLOWS ENTER THIS SITE.

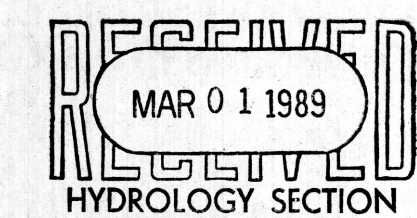


#### DRAINAGE FACILITIES WITHIN CITY RIGHT OF WAY

Design Approval \_\_\_\_\_ Hydrology Section \_\_\_\_\_ Date \_\_\_\_\_

Inspection Approval \_\_\_\_\_ Construction Section \_\_\_\_\_ Date \_\_\_\_\_

Acceptance \_\_\_\_\_ Construction Section/Permits \_\_\_\_\_ Date \_\_\_\_\_



GRADING & DRAINAGE PLAN			
MARTINEZ WAREHOUSE COMPLEX			
		D. MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 21307 ALBUQUERQUE, NEW MEXICO 87154 (505) 265-0905	
Designed: TOB	Drawn: MB	Checked: MG	Sheet C1 of 1
Scale: 1"=20'		Date: 2-89	