HYDROLOGY

L19/D7A

ONE PLAN

I PLAN FOR

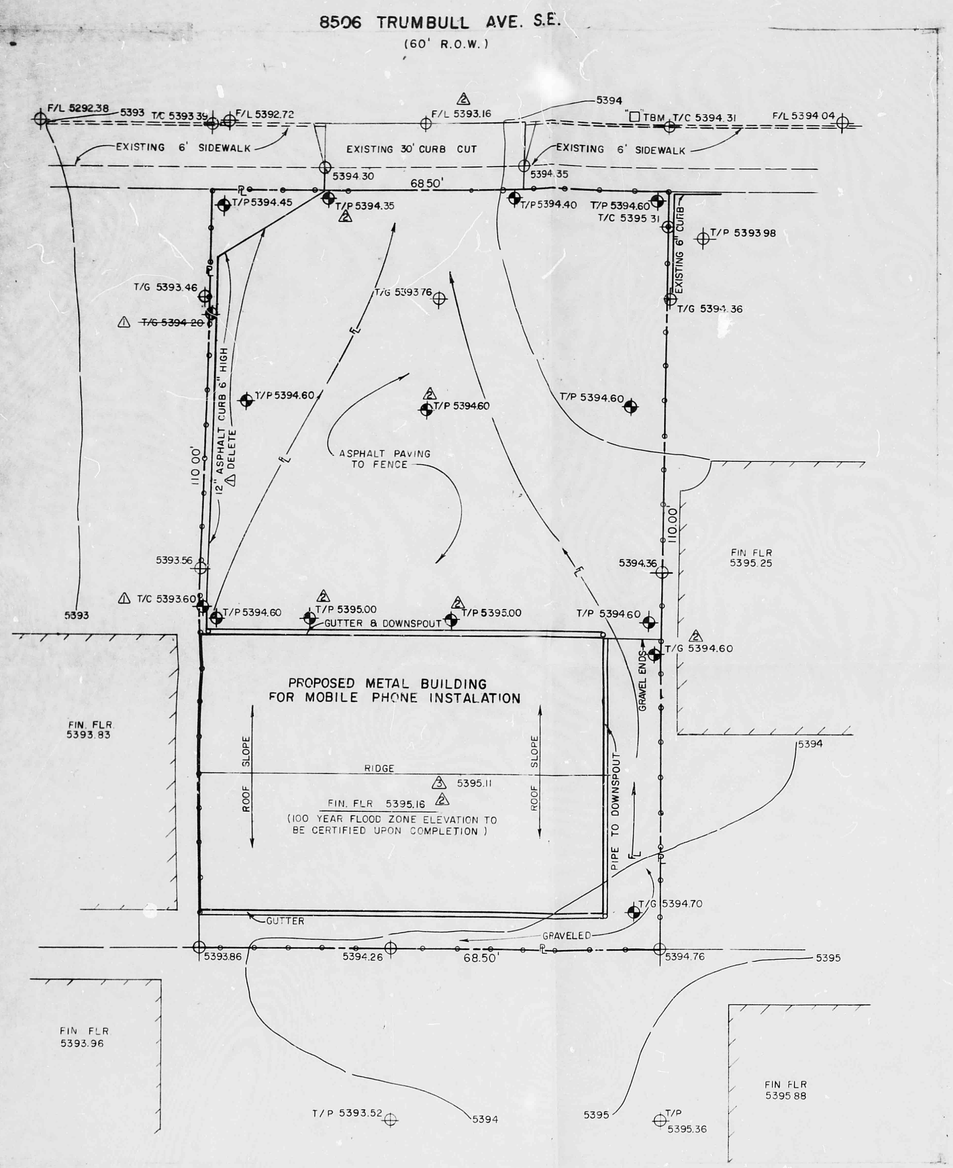
AUTO-OPTIONS SHOP

L19- D7A

DRAINAGE PLAN

TRACT 1-A-2, HAGER INDUSTRIAL PARK #2
ALBUQUERQUE, NEW MEXICO

FLOOD MAP 36 – BENCHMARK 8-L20 – ELEV. 5402.03 – SOIL TYPE "B"
TOTAL AREA: 7,535 SQ. FT. = 0.17 ACRES
TOTAL AREA ROOFED OR PAVED: 5775 SQ. FT. = 77%
FILE # L19/D7A APPROVED 5/29/86



HYDROLOGY

OFF-SITE FLOW: NONE; SURROUNDING PROPERTIES ALL HAVE CONTROLLED SURFACE FLOWS.

ON-SITE FLOW: UNDEVELOPED CONDITION; C = 0.40, I = 2.15 x 2.38 = 5.12, Q_{100} = 0.40 x 5.12 x 0.17 = 0.35 C.F.S. AND VOLUME, WITH CN 78, = 0.07' x 7535 = 500 CUBIC FEET.
DEVELOPED CONDITIONS; C = 0.32 x .90 = 0.29
0.45 x .95 = 0.43
0.23 x .40 = 0.09
0.81

Q_{100} = 0.81 x 5.12 x 0.17 = 0.71 C.F.S. AND VOLUME, WITH CN 88 = 0.12' x 7535 = 880 CUBIC FEET.

RECOMMENDATION: DUE TO THE MINIMAL SIZE OF THE PROPOSED DEVELOPMENT ON AN INFILL SITE, AND THE RECENT COMPLETION OF THREE DOWNSTREAM STORM DRAIN SYSTEMS (FAIRGROUNDS II, SOUTH SAN MATEO, AND HIGHLAND DETENTION); IT IS RECOMMENDED THAT FREE DISCHARGE FROM THE SITE BE PERMITTED.

REVISION: △2 6" HIGH CURB ON WEST PROPERTY LINE TO BE DELETED. SURFACE FLOW ACROSS TRACT 1-A-1 TO THE WEST IS COVERED UNDER "GRANT OF DRAINAGE EASEMENT" FILED MAY 2, IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, N.M. IN BOOK MISC. 347A, PAGE 968.

EROSION CONTROL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE TO THE FOLLOWING:

1. NO SEDIMENT-BEARING WATER SHALL BE ALLOWED TO DISCHARGE THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED, ALL ADJACENT PROPERTY, RIGHTS-OF-WAY, AND EASEMENTS SHALL BE PROTECTED FROM FLOODING.
3. ANY AND ALL SEDIMENTATION ORIGINATING ON THE SITE WHICH IS DEPOSITED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PROMPTLY AND COMPLETELY REMOVED BY THE CONTRACTOR.
4. CONTROL OF SEDIMENT-LADEN FLOOD WATERS WILL BE ACCOMPLISHED BY THE USE OF A COMPACTED EARTH BERM AT LEAST 12" HIGH. BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETERS OF THE PROPERTY.

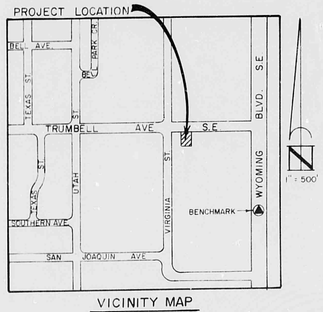
LEGEND

PROPERTY LINE
EXISTING CONTOUR — 5000
PROPOSED CONTOUR — 5000
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING CURB
EXISTING CHAIN LINK FENCE
FLOW DIRECTION

△3 CERTIFICATION DATA

THE CONSTRUCTION, AS-BUILT, IS IN SUBSTANTIAL COMPLIANCE WITH INTENT OF THE DRAINAGE PLAN APPROVED 5-29-86 — I HEREBY CERTIFY THAT THE CONSTRUCTION & ELEVATIONS SHOWN HEREON ARE TRUE & CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

10-1-86



VICINITY MAP
ZONE MAP L-19

L19/D7A

△2 REVISED PER LETTER OF 5-2-86

4-14-86
5-5-86
5-20-86

4-2-86

LOGAN/GROSS & ASSOCIATES, INC. CONSULTING CIVIL ENGINEERS 501 KINLEY N.E. 243-6353 ALBUQUERQUE, NEW MEXICO 87102	
DRAINAGE PLAN	File # H-36
FOR: J A CAMPBELL CONSTRUCTION	Date 3/20/86
AT: 8506 TRUMBULL AVE SE	Drawn CLB
ALBUQUERQUE, N M	Sheet 1 of 1