HYDROLOGY L20/D32 MATTRESS FACTORY

L20/D32

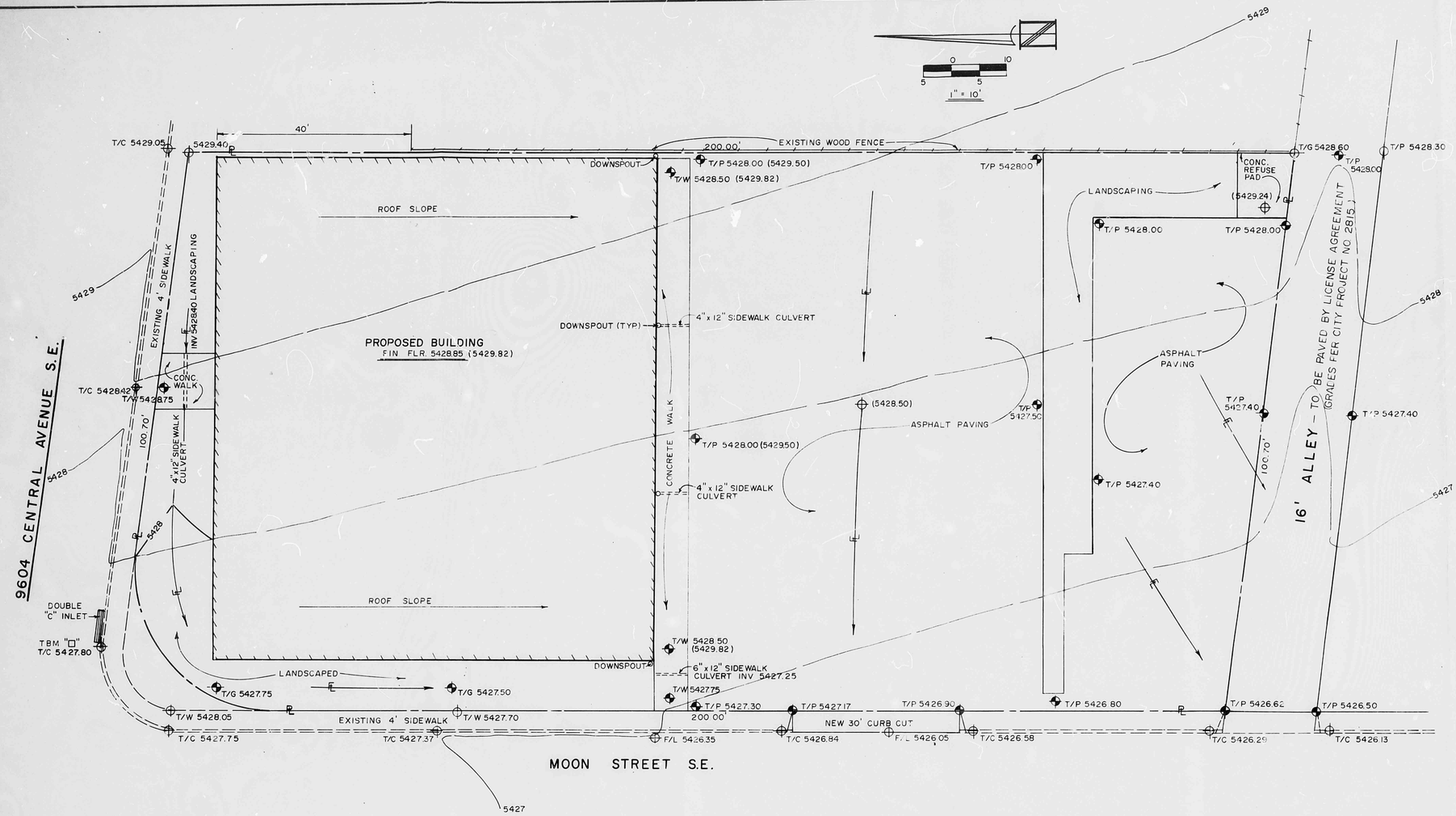
MATTRESS FACTORY

2 PLANS

DRAINAGE PLAN

TRACT "A" – BLOCK 1, SKYLINE HEIGHTS ADDITION
ALBUQUERQUE, NEW MEXICO

FLOOD MAP 36, BENCHMARK ACS 5-K20, ELEV. 5427.362, SOIL TYPE "B"
TOTAL AREA 20,000 SQ. FT = 0.459 ACRES
TOTAL AREA ROOFED OR PAVED 17,345 SQ FT = 87 %
FLOOD HAZARD AREA AT COCHITI & MOON
FILE # L20-D32 APPROVED 2/19/86



HYDROLOGY

OFF-SITE DRAINAGE: NONE, ONLY POSSIBLE CONTRIBUTING AREA TO THE EAST IS CUT OFF BY EXISTING WOOD FENCE AND DIRECTED TO ALLEY.

ON-SITE DRAINAGE: UNDEVELOPED FLOW, WITH C = 0.34 & I = 2.40 x 2.15 = 5.16;
Q = 0.34 x 5.16 x 0.459 = 0.80 C.F.S.
UNDEVELOPED VOLUME WITH CN 75 = 0.60" 20,000 S.F x 0.05' = 1000 CUBIC FT.
DEVELOPED FLOW, WITH C = 0.82; Q = 0.82 x 5.16 x 0.459 = 1.94 C.F.S.
DEVELOPED VOLUME, WITH CN = 92 = 1.5"; V = 20,000 x 0.125 = 2500 CUBIC FEET

DOWNSTREAM FACILITIES: EXTENSIVE STORM DRAIN INLET FACILITIES ARE 150' SOUTH AT COCHITI AND MOON. COMBINED CAPACITY IS APPROXIMATELY 70 C.F.S. CONCENTRATION TIME FOR FLOW FROM SUBJECT PROPERTY IS APPROXIMATELY 2 MINUTES (PER KIRPICH NOMOGRAPH). THEREFORE DOWNSTREAM FACILITIES ARE ADEQUATE TO ALLOW UNCONTROLLED DISCHARGE FROM THIS SITE.

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.

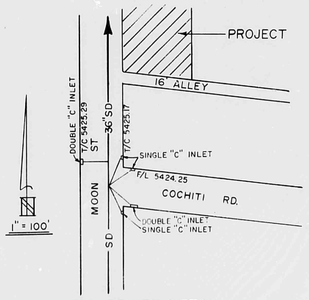
CERTIFICATION DATA

THE CONSTRUCTION, AS BUILT, IS IN SUBSTANTIAL COMPLIANCE WITH INTENT OF THE DRAINAGE PLAN APPROVED 2/19/86 – I HEREBY CERTIFY THAT THE CONSTRUCTION AND ELEVATIONS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
BENCHMARK ACS 5-K20, ELEVATION 5427.362

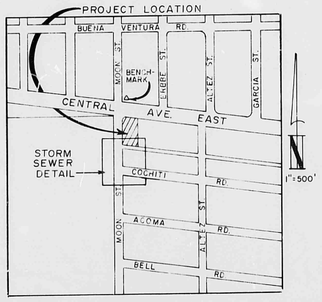
DUANE LEE LOGAN REGISTERED PROFESSIONAL ENGINEER

6-5-86

RECEIVED JUN 05 1986 HYDROLOGY SECTION



STORM SEWER DETAIL



VICINITY MAP
ZONE MAP L-20

LEGEND

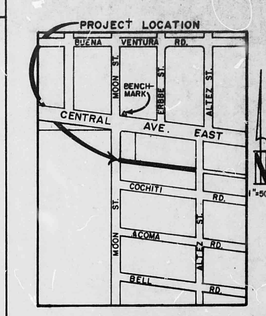
- PROPERTY LINE
- EXISTING CONTOUR — 5112
- PROPOSED CONTOUR — 5112
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING CURB
- EXISTING WOOD FENCE
- FLOW DIRECTION
- ASBUILT ELEVATION (5000.00)

DUANE LEE LOGAN N. M. 7230 REGISTERED PROFESSIONAL ENGINEER

2-11-86

LOGAN/GROSS & ASSOCIATES, INC. CONSULTING CIVIL ENGINEERS 501 KINLEY N.E. 243-6353 ALBUQUERQUE, NEW MEXICO 87102	
DRAINAGE PLAN	File # H-16
FOR: DONALD H DAMRON	Date 2/10/86
AT: 9604 CENTRAL S.E	Drawn C L B
ALBUQUERQUE, NEW MEXICO	Sheet 1 of 1

L20/D32



VICINITY MAP
ZONE MAP L-20

LEGAL DESCRIPTION

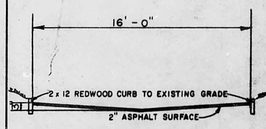
BLOCKS 1 & 2 OF SKYLINE HEIGHTS ADD'N
ALBUQUERQUE, NEW MEXICO

NOTES

1. 2" ASPHALT PAVEMENT TO BE CONSTRUCTED ACCORDING TO CITY LICENSE AGREEMENT, TO STA. 1+00. FROM STA. 0+00.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234.

LEGEND

EXISTING PROFILE
PROPOSED PROFILE
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING CURB
EXISTING CHAIN LINK FENCE
EXISTING WOOD FENCE
POWER POLE ⊙ PP



TYPCAL DETAIL
1"=5'
STA. 0+00 TO STA. 1+00
PER CITY LICENSE AGREEMENT

ALL WORK DETAILED HEREON SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985

No adverse comments 3/18/86

CITY ENGINEER

APPROVED FOR GRADES ONLY

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

FEB 28 1986
HYDROLOGY SECTION

TITLE: ALLEY GRADES SOUTH OF CENTRAL BETWEEN MOON ST. & ALTEZ ST.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

PROJECT NO. 2815 | MAP NO. L-20 | SHEET 1 OF 1

L20 / A32

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTORS ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED B.Y. DATE
NO.

BENCH MARKS
5-K20 NORTHEAST QUADRANT OF THE INTERSECTION OF CENTRAL AVE. AND MOON AVE. S.E. ELEV. 5421.362

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
H-16	C.R. & D.L.L.	2/3/86

ENGINEER'S SEAL
LOGAN / GROSS & ASSOCIATES INC.
501 KINLEY N.E. 243-6353
ALBUQUERQUE, N.M.
N. M. LOGAN 2/26/86

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY D.L.L. DATE 2-14-86
DRAWN BY C.L.B. DATE 2-19-86
CHECKED BY L.G. DATE 2-20-86