

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103



HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

November 10, 1986

George Triandafilidis, P.E.
4611 Glenwood Hills Drive, NE
Albuquerque, New Mexico 87111

RE: REVISED DRAINAGE PLAN SUBMITTAL OF S & J OFFICE BUILDING
3535 PRINCETON DRIVE, NE RECEIVED OCTOBER 27, 1986 FOR
BUILDING PERMIT APPROVAL (G-16/D88)

Dear George:

The above referenced submittal, revised October 23, 1986, is approved for Building Permit sign-off by Hydrology. Copies of this approved plan must be included with the construction sets routed for sign-off.

A separate Excavation Permit must be obtained by the contractor to construct the drain pipe under the sidewalk into Princeton Drive. It is your responsibility to furnish the contractor with an approved design to obtain his Excavation Permit.

Please pick up your original mylars of the drain pipe design into Princeton, since this office only requires two copies for processing.

If you have any questions, call me at 768-2650.

Cordially,

Roger A. Green, PE

Roger A. Green, P.E.
C.E./Hydrology Section

cc: John Triandafilidis

RAG/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

DRAINAGE INFORMATION SHEET

PROJECT TITLE: STJ OFFICE BLDG. ZONE ATLAS/DRNG. FILE #: G-16/D88LEGAL DESCRIPTION: TRACT 'E', PAN AMERICAN ASSOCIATES ADD'N.CITY ADDRESS: 3535 PRINCETON DR., NEENGINEERING FIRM: GEORGE TRIANDAFILIDIS, P.E. CONTACT: _____ADDRESS: 4611 GLENWOOD HILLS DR. NE 87111 PHONE: 298-0395OWNER: STJ ENTERPRISES CONTACT: JOHN TRIANDAFILIDISADDRESS: 3300 COLUMBIA DR. NE 87107 PHONE: 1-884-6234ARCHITECT: METRON ARCHITECTS GROUP CONTACT: MARTHA PAPADAPoulosADDRESS: 413 MONTCLAIRE DR. NE 87108 PHONE: 265-8590

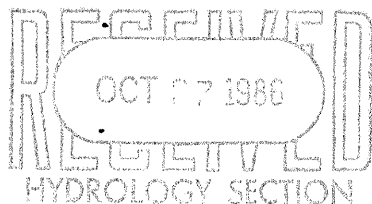
SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES☐ NO☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT☒ DRAINAGE PLAN☐ CONCEPTUAL GRADING & DRAINAGE PLAN☐ GRADING PLAN☒ EROSION CONTROL PLAN☐ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL☐ PRELIMINARY PLAT APPROVAL☐ SITE DEVELOPMENT PLAN APPROVAL☐ FINAL PLAT APPROVAL☒ BUILDING PERMIT APPROVAL☐ FOUNDATION PERMIT APPROVAL☐ CERTIFICATE OF OCCUPANCY APPROVAL☐ ROUGH GRADING PERMIT APPROVAL☐ GRADING/PAVING PERMIT APPROVAL☐ OTHER _____ (SPECIFY)DATE SUBMITTED: 10-23-86BY: [Signature]

DATE: 5-29-86
REVISIONS: 10-23-86

S & J ENTERPRISES, INC.
3200 COLUMBIA DRIVE NE
ALBUQUERQUE, NEW MEXICO
805-884-6234

OFFICE & WAREHOUSE FOR
S & J ENTERPRISES, INC.
3535 PRINCETON DRIVE NE
ALBUQUERQUE, NEW MEXICO

DATA

AREA OF SITE 36,473 SQ. FT. (1.00 AC.)
SLOPE 2.10%
PERCENT COEFFICIENT 95%
AVERAGE RUNOFF COEFFICIENT $(.95 \times .95) \times (.95 \times .40) = .70$
100-YEAR RAINFALL 2.8 IN.
TIME OF CONCENTRATION 10 MINUTES
INTENSITY 5.4 IN. HR.

EXISTING ON-SITE CONDITIONS

SITE IS USED FOR VEH. STG., CONSTRUCTION MATERIALS AND LANDSCAPING PLANT STORAGE. SITE APPEARS TO HAVE BEEN GRADED LATELY. VEGETATION IS MINIMAL AND MOST OF SURFACE IS COMPACTED.

EXISTING SITE RUNOFF

RUNOFF COEFFICIENT .70
 $Q_{100} = .70 \times 5.4 \text{ IN. HR.} \times 1.00 \text{ AC.} = 3.78 \text{ CFS PEAK}$
 $Q_{10} = .097 Q_{100} = 0.37 \text{ CFS}$

RUNOFF CURRENTLY DISCHARGES INTO TRACT D OVER WEST PROPERTY LINE. TRACT D IS PAVED. FLOODS ARE DIRECTED INTO A POND AT SOUTHWEST CORNER (ADJACENT TO TRACT E) AND RELEASED VIA PIPE TO ADJ. ROAD.

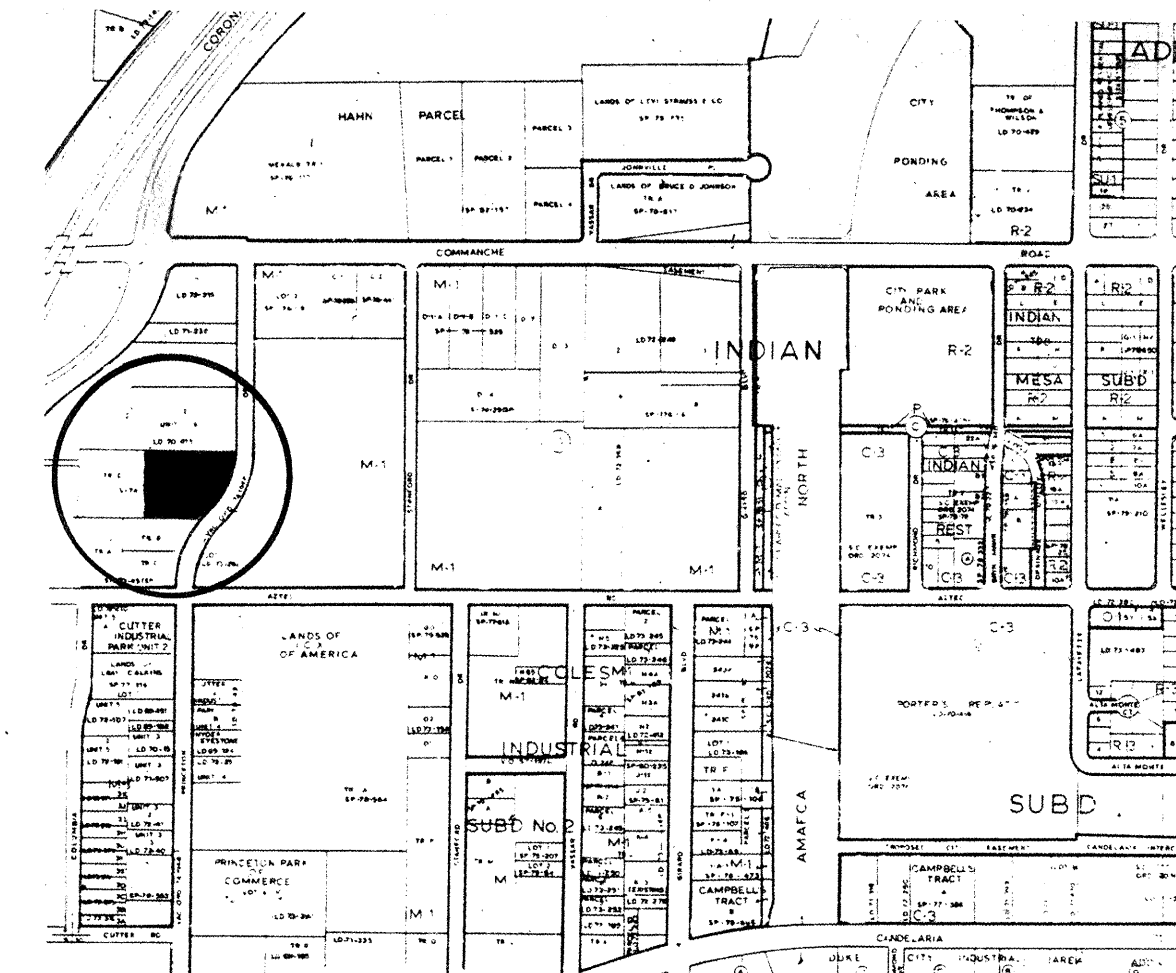
OFFSITE CONTRIBUTORY FLOODS

NONE. THE SITE SURROUNDING A RIDGE IN THE LOCAL DRAINAGE PATTERN. LOT TO SOUTH DRAIN TO SOUTH. LOT TO NORTH DRAIN TO NORTHEAST DISCHARGES INTO PRINCETON DRIVE. LOT TO WEST DRAIN TO WEST. ABOVE.

DESIGN SITE RUNOFF

$Q_{100} = .70 \times 5.4 \text{ IN. HR.} \times 1.00 \text{ AC.} = 3.78 \text{ CFS PEAK}$
 $Q_{10} = .097 Q_{100} = 0.37 \text{ CFS}$

RELEASED VIA PIPE THROUGH SOUTH DRIVE CUT INTO PRINCETON DRIVE FROM .100 ACRES OF LOT.
SEE EAST D.C. FOR DETAILED ROUTING.



G-16-7

DRAINAGE PLAN

3535 PRINCETON DRIVE NE
TRACT - E
PAN-AMERICAN ASSOCIATES ADDITION
ALBUQUERQUE, NEW MEXICO

PREPARED FOR
S & J ENTERPRISES
NETRON ARCHITECTS GROUP

APPROVED FOR DRAINAGE

11-10-86

DATE

SIGNATURE

ROGER A. GREEN, P.E. Hydrologist

FIELD NOTES TAKEN JULY 7, 1986

RECEIVED
OCT 27 1986
HYDROLOGY SECTION

D-1

NON-CONTRIBUTORY.
SITE DRAIN TO NORTHEAST
LOT - 2 UNIT - 0 CUTTER INDUSTRIAL PARK
UNPAVED LOT

SHED COVER NO FLOOR
SLOPES TO NORTH

ASPHALT DRIVE

FINISH FLOOR 1055.30

SURFACE ELEVATION 5084.10

CONTRIBUTORY AREA 1.198 AC.
CURVE NUMBER 0.8 (PAVED AREA)
DIRECT RUNOFF (Q) 2.2 IN. (PL. 2.2 CFS)
 $V = 1.198 \times 2.2 \times 43560 = 11443 \text{ CU. FT.}$
AVAILABLE RETENTION 1.5' DEPTH
AREA @ 83.0 = 3200 SQ. FT.
@ 83.5 = 3200 SQ. FT.
@ 84.0 = 11000 SQ. FT.
 $V = 3200 \times 1.5 = 4800 \text{ CU. FT.}$
 $V = (3200 \times 83.5) + (3200 \times 84.0) = 2781$
 $V = (11000 \times 1.200) + (3200 \times 1.200) = 16320$
SUBMERGIBLE PUMP
1000 GPM @ 10' D.C.
TOTAL 19023 CU. FT.

INLET 5082.00

40' BEND

EXISTING ASPHALT LOT

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