

P.O. Box 1293 Albuquerque, NM 87103

May 10, 1996

Martin J. Chávez, Mayor

Fred Arfman, PE
Isaacson & Arfman
128 Monroe NE
Albuquerque, NM 87108

RE: ENGINEER'S CERTIFICATION FOR SLEEP INN ON YALE (L-16/D23C)
RECEIVED APRIL 19, 1996 FOR CERTIFICATE OF OCCUPANCY
ENGINEER'S STAMP DATED 02-23-95

Dear Mr. Arfman:

Based on the information included in the submittal referenced above, City Hydrology accepts the engineer's certification for Certificate of Occupancy.

Contact Vicki Chavez at Code Enforcement to obtain the Certificate of Occupancy for 2300 International Avenue SE.

If I can be of further assistance, You may contact me at 768-2727.

Sincerely,

John P. Curtin, PE
Civil Engineer/Hydrology

c: Andrew Garcia
Earl Potter, Albuq Airport Sleep Inn, 126 E DeVargas, Santa Fe NM 87501

Good for You, Albuquerque!



1 IMAGE INFORMATION SHEET

PROJECT TITLE: SLEEP INN MOTEL ZONE ATLAS/DRNG. FILE #: 2-16/123C
 DRB #: _____ EPC #: _____ WORK ORDER #: _____
 LEGAL DESCRIPTION: TRACT 4A, CAVAN SUPPORT CENTRE
 CITY ADDRESS: N/A. 2300 International.
 ENGINEERING FIRM: ISAACSON & ARFMAN, PA CONTACT: FRED C. ARFMAN
 ADDRESS: 128 MONROE ST. NE 8708 PHONE: 268-8828
 OWNER: ALBUQ AIRPORT SLEEP INN LTD. CO. CONTACT: EARL POTTER
 ADDRESS: 126 E. DE VARGAS, SANTA FE 87501 PHONE: _____
 ARCHITECT: BALMER ARCHITECTURAL GROUP CONTACT: MIKE KRAUSE
 ADDRESS: _____ PHONE: 602-954-6718
 SURVEYOR: ALDRICH LAND SURVEYING CONTACT: TIM ALDRICH
 ADDRESS: _____ PHONE: 984-1990
 CONTRACTOR: BRAOBURY & STAMM CONTACT: GINA OR MEUSSA
 ADDRESS: _____ PHONE: 765-1200

TYPE OF SUBMITTAL:

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

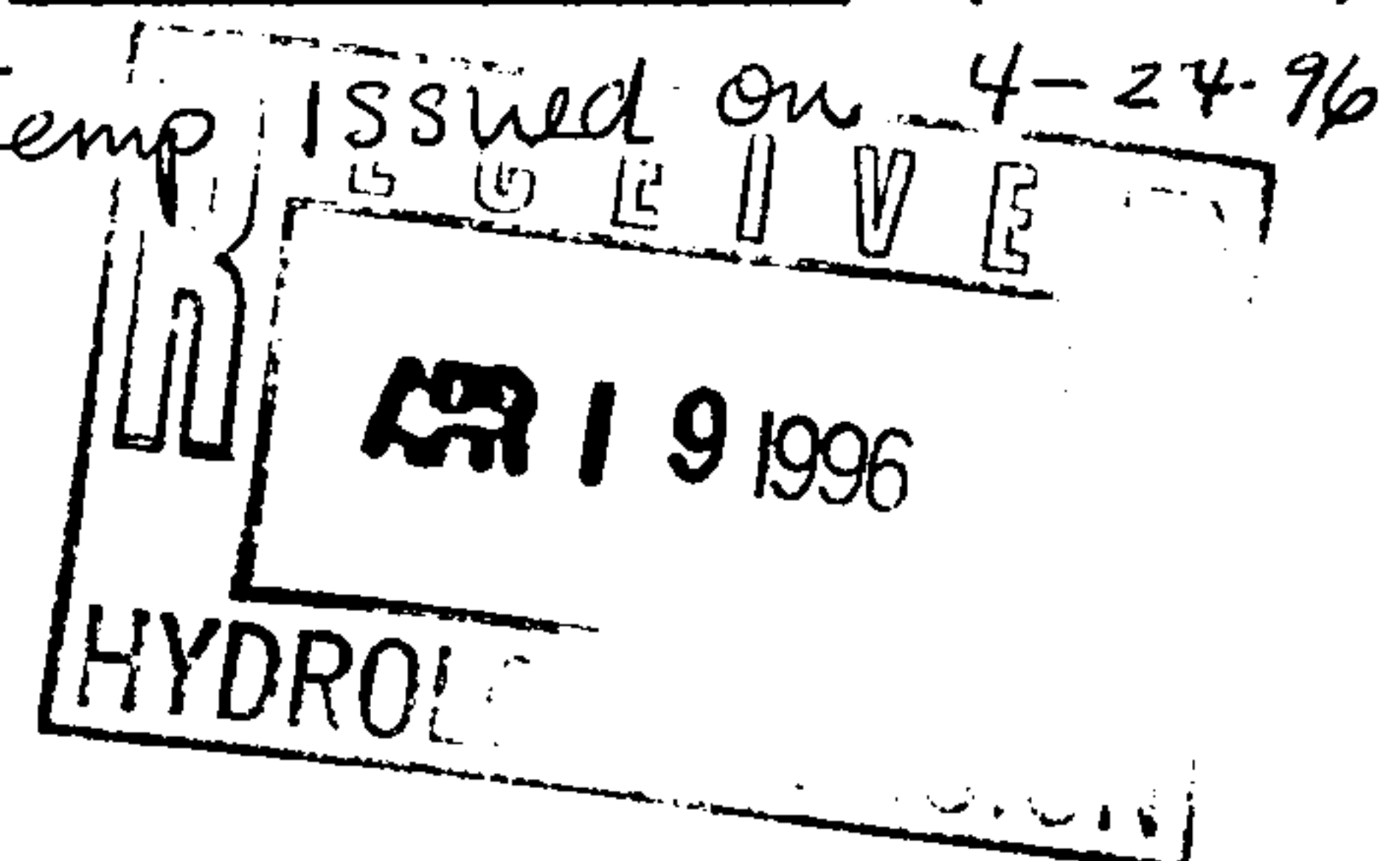
PRE-DESIGN MEETING:

____ YES
☒ NO
 ____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL
 ____ PRELIMINARY PLAT APPROVAL
 ____ S. DEV. PLAN FOR SUB'D. APPROVAL
☒ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
 ____ SECTOR PLAN APPROVAL
 ____ FINAL PLAT APPROVAL
 ____ FOUNDATION PERMIT APPROVAL
 ____ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY APPROVAL
 ____ GRADING PERMIT APPROVAL
 ____ PAVING PERMIT APPROVAL
 ____ S.A.D. DRAINAGE REPORT
 ____ DRAINAGE REQUIREMENTS
☒ OTHER ENGR. CERT (SPECIFY)

30 day Temp



DATE SUBMITTED: _____

BY: FRED C. ARFMAN
FOR ISAACSON & ARFMAN, P.A.



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 13, 1995

Fred Arfman, PE
Isaacson & Arfman
128 Monroe NE
Albuquerque, NM 87108

RE: GRADING & DRAINAGE PLAN FOR SLEEP INN ON YALE (L-16/D23C)
RECEIVED FEBRUARY 24, 1995 FOR BUILDING PERMIT
ENGINEER'S STAMP DATED 02-23-95

Dear Mr. Arfman:

Based on the information included in the submittal referenced above, City Hydrology approves this Plan for Building Permit.

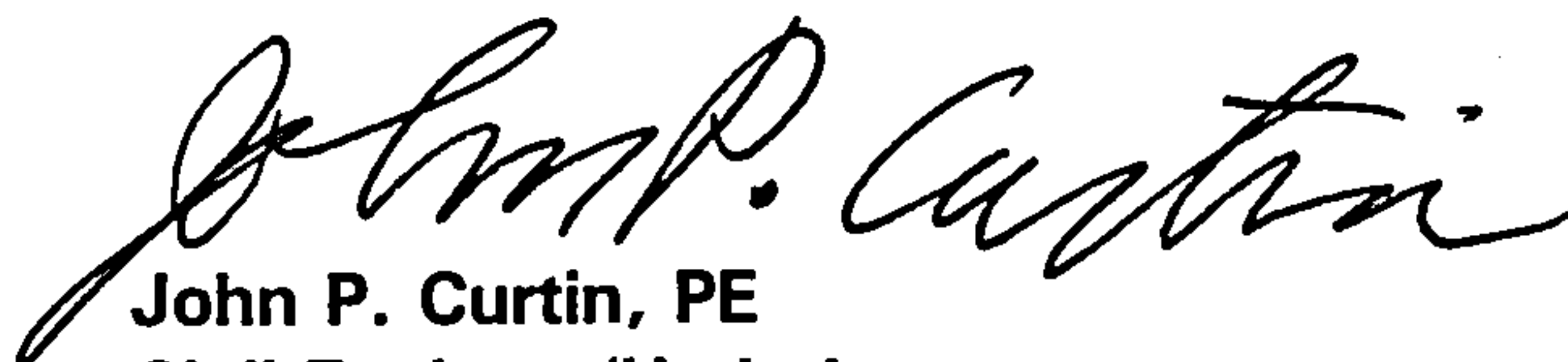
Include a copy of the approved Grading & Drainage Plan, dated 02-23-95, in the set of construction documents that will be submitted to Code Administration for the Building Permit.

A separate permit is required for construction of private drainage facilities within the City right of way. A copy of this letter must be on hand when applying for the excavation permit.

Engineer's Certification of grading & drainage per DPM checklist must be approved before any Certificate of Occupancy will be released. Update the Hydrology on the Plan to reflect the Supplemental Calculations.

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,


John P. Curtin, PE
Civil Engineer/Hydrology

c: Andrew Garcia
Arlene Portillo
Earl Potter, Albuq Airport Sleep Inn, 126 E DeVargas, Santa Fe NM 87501

1 IMAGE INFORMATION SHEET

PROJECT TITLE: SLEEP INN MOTEL ZONE ATLAS/DRNG. FILE #: L-16/1023C

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT 4A, CAVAN SUPPORT CENTRE

CITY ADDRESS: N/A

ENGINEERING FIRM: ISAACSON & AREMAN PA CONTACT: FRED C. AREMAN

ADDRESS: 128 MONROE ST. NE 8708 PHONE: 268-8828

OWNER: ALBUQ. AIRPORT SLEEP INN LTD. CO. CONTACT: EARL POTTER

ADDRESS: 126 E. DELVARGAS, SANTA FE 87501 PHONE: _____

ARCHITECT: BANNER ARCHITECTURAL GROUP CONTACT: MIKE KEAUSE

ADDRESS: _____ PHONE: 602-954-6718

SURVEYOR: ALDRICH LAND SURVEYING CONTACT: TIM ALDRICH

ADDRESS: _____ PHONE: 984-1990

CONTRACTOR: UNKNOWN CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

- ☐ YES
☒ NO
☐ COPY PROVIDED

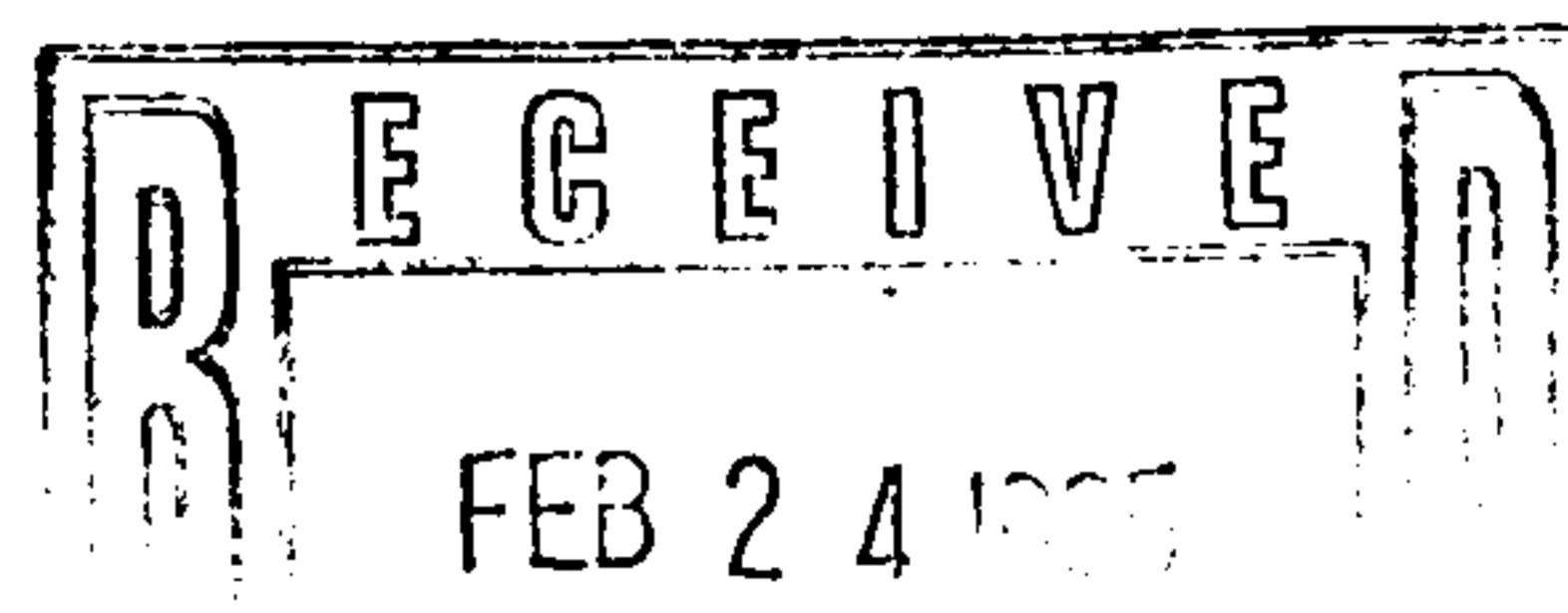
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☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: FEB 23, 1995

BY: FRED C. AREMAN

FOR: ISAACSON & AREMAN





ISAACSON & ARFMAN, P.A.

Consulting Engineering Associates

*Thomas O. Isaacson, PE & LS • Fred C. Arfman, PE
Scott M. McGee, PE*

February 22, 1995

Mr. John P. Curtin, P.E.
Hydrology Division/P.W.D.
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

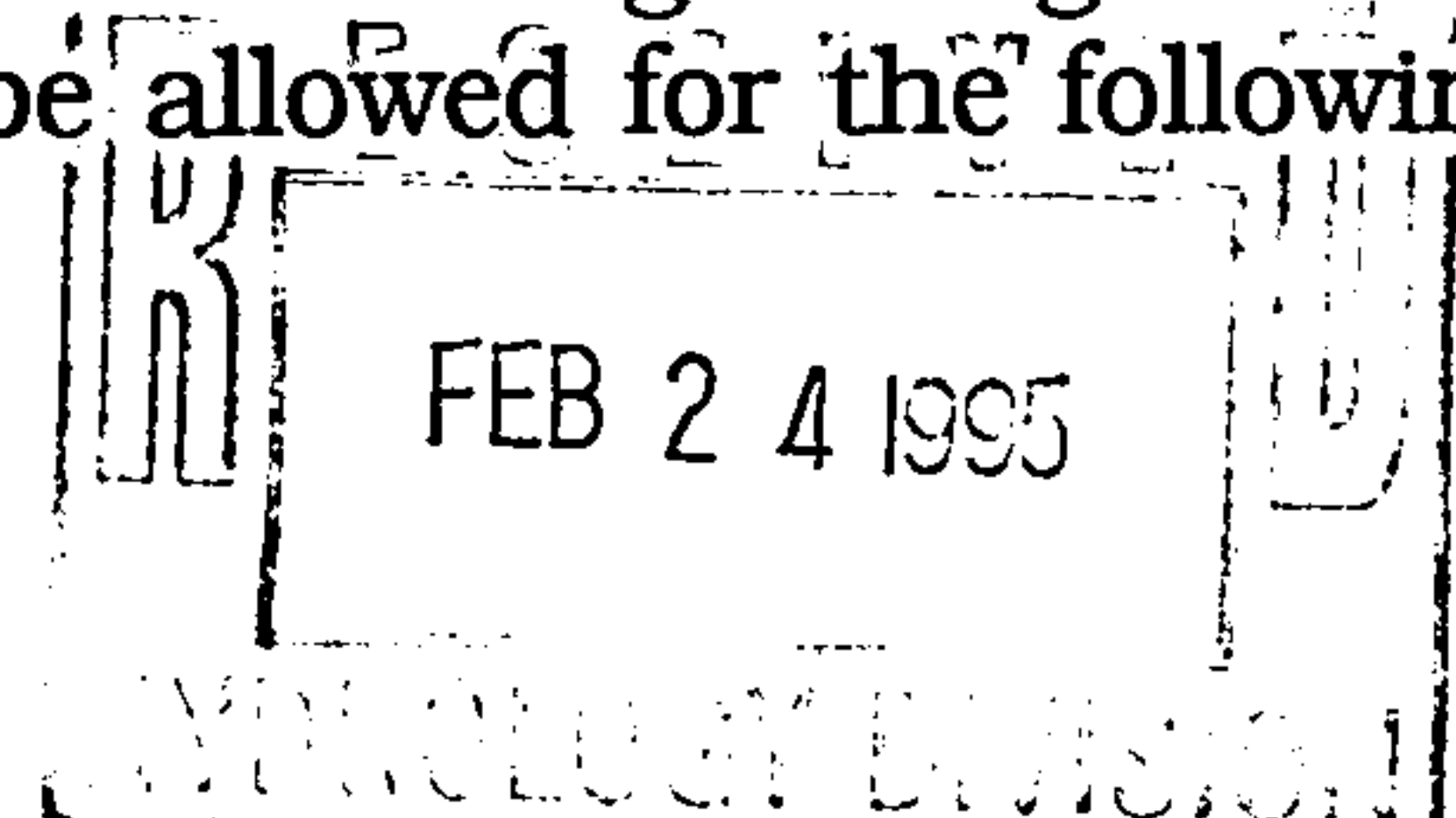
**RE: Sleep Inn Hotel
Yale Blvd. & International Avenue
(L-16/D23C)**

Dear John:

This correspondence is presented as our response to the four (4) comments found on your November 17, 1994 approval letter. We understand that once those comments are addressed to the satisfaction of the City, there are no further Hydrology Division comments to satisfy for securing a building permit. Your comments shall be addressed in the same order that they were presented in your letter (copy found attached).

1. The Land Treatment percentage have been modified to reflect a Land Treatment C for landscaped slopes greater than 10% (see Table on attached worksheet). The landscaped slope along the easterly property line has a slope of 2.5:1. This slope shall have a sodded grass covering to prevent any erosion of the slope. This area shall be irrigated and maintained as a grass slope.
2. Design calculations for the onsite private storm drain are supplied on the attached worksheet.

The previously approved Drainage Masterplan called for a discharge rate of 6.8 cfs for this site based of 100% free discharge using the "old hydrology". The current 7.5 cfs should be allowed for the following reasons:



Mr. John P. Curtin, P.E.
February 22, 1995
Page 2

- A. Only 4.4 cfs is allowed to enter onto International Avenue and into the street catch basins. This is a reduction of 2.4 cfs that was previously planned to be accepted by the public storm drain grates.
 - B. The remainder of the onsite generated storm waters are routed to two private catch basins of the onsite storm drain. This drain is connected to the public system at the shown public drop inlet. The Q_{100} at point of public acceptance is computed as 2.6 cfs.
 - C. Downstream improvements to the Geneva Arroyo have been completed since the original Drainage Masterplan was accepted. Increased storm water carrying capacity are now realized.
 - D. Roof drain locations are not shown on the revised plan.
- 3. The required S.O. 19 signature and note box has been added to the final drawing.
 - 4. The existing Erosion Control Plan has been restated for this development as shown on the revised final plan.


DRB No. is 94-566.

No infrastructure listing is required for this SU-1 development.

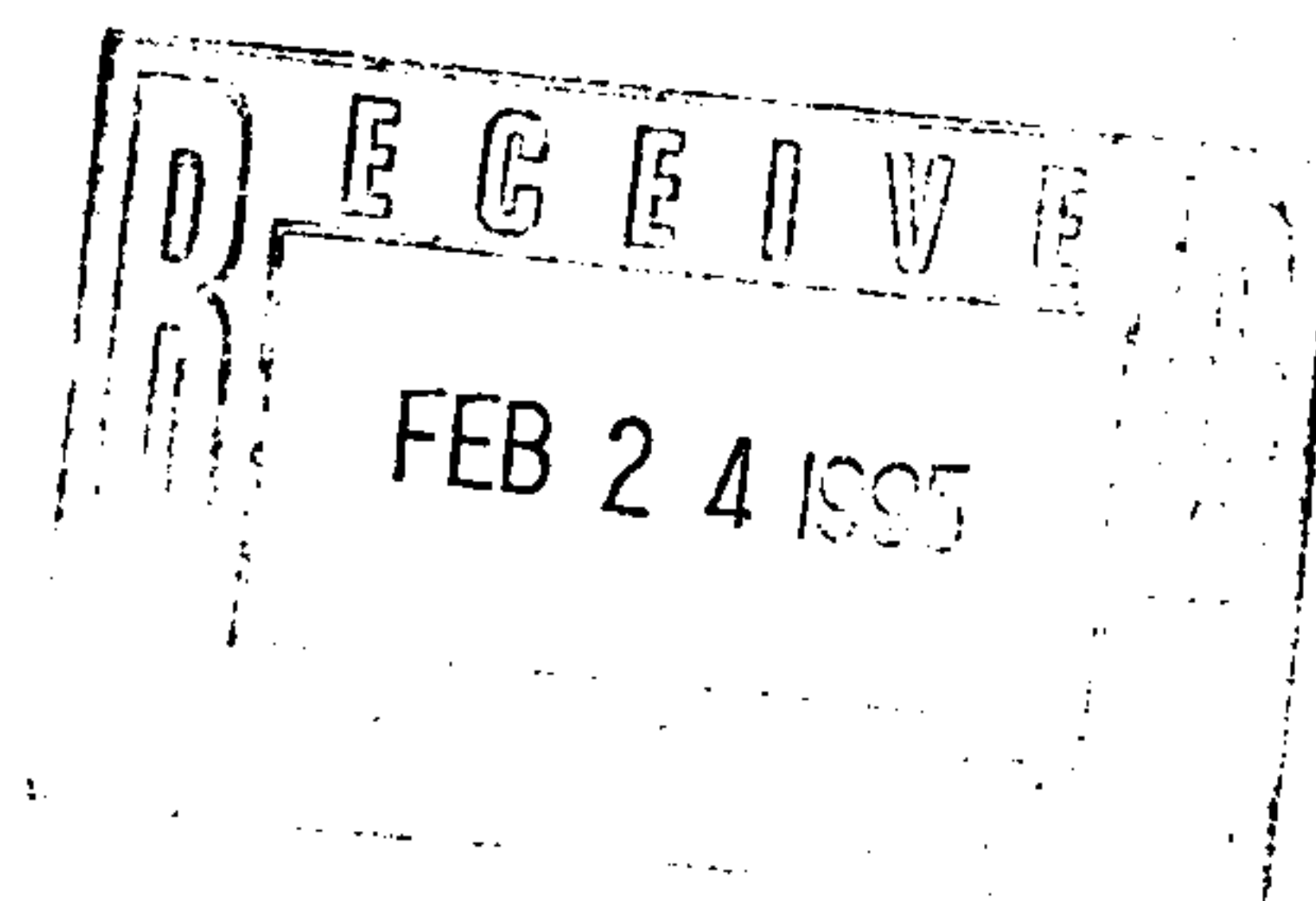
We now feel that all of your review comments have been addressed and would appreciate your consideration for your Division's final acceptance for building permit approval.

Very truly yours,

ISAACSON & ARFMAN, P.A.


Fred C. Arfman, P.E.

FCA/rtl
Attachments



SLEEP INN HOTEL - SUPPLEMENTAL CALCULATIONS

① DEFINE DRAINAGE BASINS (SEE REVISED EXHIBIT).

BASIN NO.	AREA (AC)	LAND TREATMENT (%)			Q_{100}	DISCHARGE POINT
		B	C	D		
1	1.070	22	11	67	4.24	INT'L AVE
2	0.305	0	43	57	1.23	LANDSCAPE INLET.
3	0.316	12	0	88	1.39	PKNQ. LOT INLET
4	0.208	20	80	0	0.42	TALE [†] INT'L AVE
	1.899	17%	21.5	61.5	7.50	
			22%	62%		

② RUNOFF CALCULATION (TYPICAL) - BASIN 1.

$$Q_{100} = (0.24)(2.28) + (0.12)(3.14) + (0.71)(4.70)$$

$$= 4.24 \text{ CFS}$$

③ TOTAL RUNOFF (WITHOUT ONSITE ROUTING) IS COMPUTED AT 7.5 CFS. THIS DEVELOPED FLOW IS DISCHARGED AT THREE (3) RELEASE POINTS WITH THE MAJOR POINT OF RELEASE BEING OUT ONTO INTERNATIONAL AVE. VIA THE MAIN ENTRANCE (BASIN 1).

BASIN NO. 2 STORM WATERS ARE ACCEPTED BY THE LANDSCAPE DROP INLET LOCATED AT THE SOUTHWEST CORNER OF THE BUILDING. THE 1.23 CFS (100YR) OF STORM WATER RUNOFF IS THEN CONVEYED BY A 12" PVC DRAIN PIPE @ A 1.90 % SLOPE. THIS SECTION OF THE STORM DRAIN HAS THE FOLLOWING FLOW CARRYING CHARACTERISTICS.

REQ'D FLOW: 1.23 CFS

SLOPE 1.9%, $n = 0.009$, DIA = 12"

$$Q(\text{CAP}) = 2.1 \text{ CFS} > 1.23 \text{ CFS} - \text{OK}$$

$$V = 2.6 \text{ FPS}$$

BASIN 3 GENERATES 1.39 CFS DURING THE 100 YR. EVENT. PLUS HAVING TO ACCEPT THE 1.23 CFS GENERATED FROM BASIN 2. THE 12" DIA PVC STORM DRAIN HAS A SLOPE OF 6.1 % AND HAS THE FOLLOWING FLOW CHARACTERISTICS.

REQ'D FLOW: 2.6 CFS

SLOPE 6.1%, $n = 0.009$, DIA = 12"

$$Q(\text{CAP}) = 4 \text{ CFS} > 2.6 \text{ CFS} - \text{OK}$$

$$V = 4.2 \text{ CFS}$$



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 17, 1994

Fred Arfman, P.E.
Isaacson & Arfman, P.A.
128 Monroe Street NE
Albuquerque, N.M. 87108

RE: REVISED CONC. GRADING & DRAINAGE PLAN FOR SLEEP INN ON YALE (L-16/D23C)
RECEIVED NOVEMBER 8, 1994 FOR SITE DEV. PLAN FOR B.P. APPROVAL
ENGINEER'S STAMP DATED 11-07-94

Dear Mr. Arfman:

Based on the information included in the submittal referenced above, City Hydrology approves this project for Site Development Plan for Bldg Permit.

The following comments must be addressed prior to Building Permit approval:

1. Justify the land treatment percentages used. Any slope steeper than 10% will be land treatment C. Slopes steeper than 3h:1v must be protected from erosion & slope failure by a method approved by the City Engineer.
2. Submit design calculations for the Private storm drain system. Free Discharge is limited to .68 cfs. Indicate inverts on the Plan. Show the existing storm drain in International Ave. Indicate roof drain locations to prevent runoff onto the sidewalks.
3. An S.O.19 will be required to connect to the existing catch basin. Provide the appropriate notes & signature block on the Plan. A second copy must be included in the submittal for the sidewalk inspectors.
4. Include the Erosion Control Plan on the Grading & Drainage Plan. What is the DRB number? Include an Infrastructure List, if it is required.

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

John P. Curtin, P.E.
Civil Engineer/Hydrology

WPHYD/8828/jpc

c: Fred Aguirre
Andrew Garcia

IMAGE INFORMATION SHEET

PROJECT TITLE: SLEEP INN MOTEL ZONE ATLAS/DRNG. FILE #: L-16/D23C

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT 4A, CAVAN SUPPORT CENTRE

CITY ADDRESS: N/A

ENGINEERING FIRM: ISAACSON & ARFMAN, PA CONTACT: FRED C. ARFMAN

ADDRESS: 128 MONROE ST. NE 8708 PHONE: 268-8828

OWNER: ALBUQ AIRPORT SLEEP INN LTD. CO. CONTACT: EARL POTTER

ADDRESS: 126 E. DE VARGAS, SANTA FE 87501 PHONE: _____

ARCHITECT: BALMER ARCHITECTURAL GROUP CONTACT: MIKE KRAUSE

ADDRESS: _____ PHONE: 602-254-6719

SURVEYOR: ALDRICH LAND SURVEYING CONTACT: TIM ALDRICH

ADDRESS: _____ PHONE: 984-1990

CONTRACTOR: UNKNOWN CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN
- ☒ **REVISED** CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION
- ☐ OTHER

PRE-DESIGN MEETING:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED

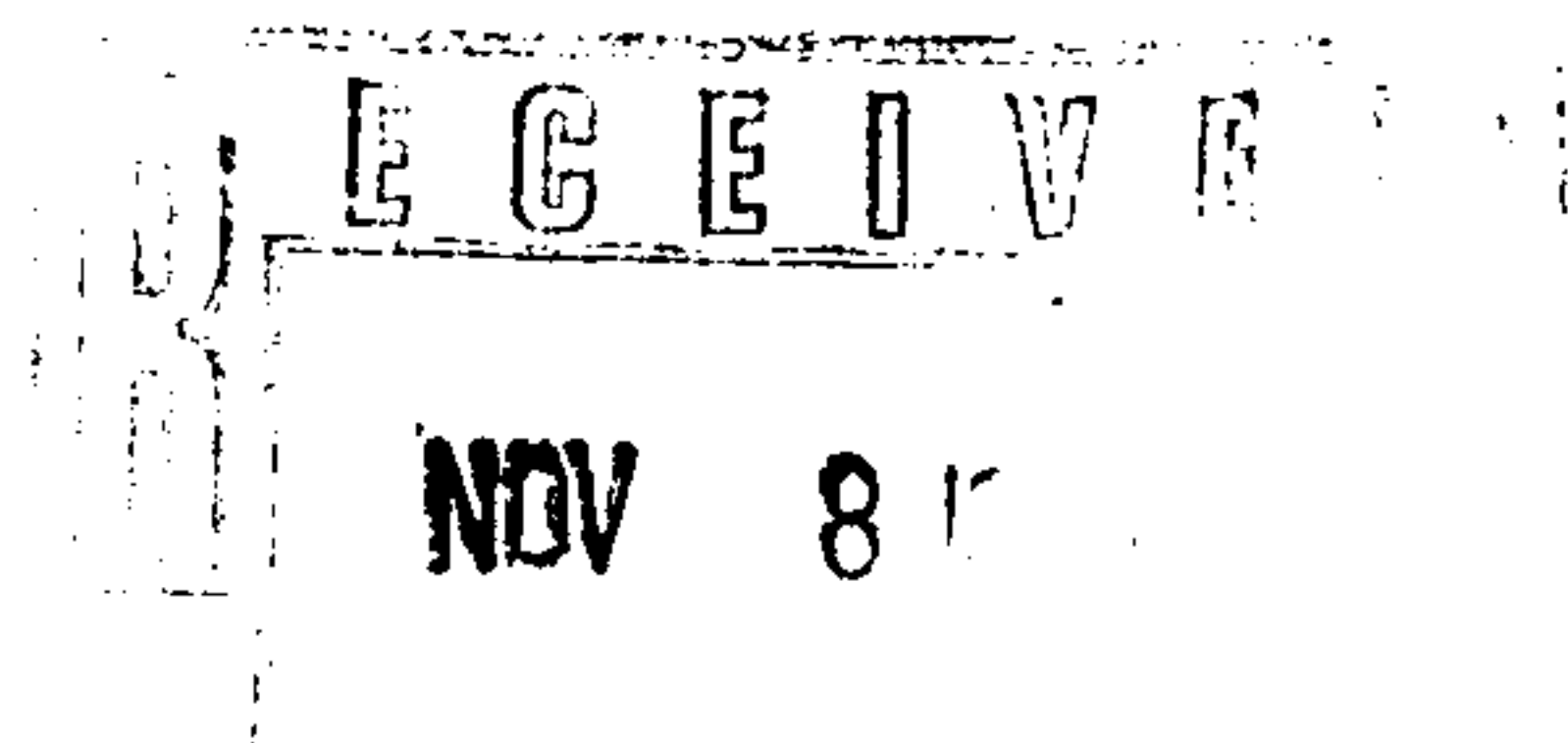
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- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☒ **REAPPROVAL** S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ S.A.D. DRAINAGE REPORT
- ☐ DRAINAGE REQUIREMENTS
- ☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: NOV. 07, 1994

BY: FRED C. ARFMAN, P.E.

FOR ISAACSON & ARFMAN, P.A.





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 22, 1994

Fred Arfman, P.E.
Isaacson & Arfman, P.A.
128 Monroe Street NE
Albuquerque, N.M. 87108

RE: CONC. GRADING & DRAINAGE PLAN FOR SLEEP INN ON YALE (L-16/D23C)
RECEIVED AUGUST 30, 1994 FOR SITE DEV. PLAN FOR B.P. APPROVAL
ENGINEER'S STAMP DATED 08-26-94

Dear Mr. Arfman:

Based on the information included in the submittal referenced above, City Hydrology approves this project for Site Development Plan for Bldg Permit.

The following comments must be addressed prior to Building Permit approval:

1. Revise the land treatment percentages. The 3h:1v slope on the east side will be land treatment C.
2. Submit design calculations for the Private storm drain system. Indicate inverts on the Plan.
3. An S.O.19 will be required to connect to the existing catch basin. Provide the appropriate notes & signature block on the Plan. A second copy must be included in the submittal for the sidewalk inspectors.
4. Include the Erosion Control Plan on the Grading & Drainage Plan. Indicate roof drain locations to prevent runoff onto the sidewalks.
5. Include an Infrastructure List, if it is required. What is the DRB #?

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

John P. Curtin, P.E.
Civil Engineer/Hydrology

WPHYD/8828/jpc

c: Fred Aguirre
Andrew Garcia

DRAINAGE INFORMATION SHEET

PROJECT TITLE: SLEEP INN MOTEL ZONE ATLAS/DRNG. FILE #: L-16/D-23C
DRB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: TRACT 4A, CAVAN SUPPORT CENTRE
CITY ADDRESS: N/A.
ENGINEERING FIRM: ISAACSON & AREMAN, PA CONTACT: FRED C. AREMAN
ADDRESS: 128 MONROE ST. NE 8708 PHONE: 268-8828
OWNER: ALBUQ AIRPORT SLEEP INN LTD. CO. CONTACT: EARL POTTER
ADDRESS: 126 E. DE VARGAS, SANTA FE 87501 PHONE: _____
ARCHITECT: BALMER ARCHITECTURAL GROUP CONTACT: MIKE KRAUSE
ADDRESS: _____ PHONE: 602-254-6718
SURVEYOR: ALDRICH LAND SURVEYING CONTACT: TIM ALDRICH
ADDRESS: _____ PHONE: 984-1990
CONTRACTOR: UNKNOWN CONTACT: _____
ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

☐ YES
☒ NO
☐ COPY PROVIDED

AUG 30 1994

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☒ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
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☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: AUGUST 29, 1994

BY: _____

8828