PUBLIC WORKS/HYDROLOGY

C18/D5A

0000 0000 1153

C18/D5A

25×10

0000 0000 1154

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Temporary Storage Bldg. Levi Strauss ZONE ATLAS/DRNG. FILE #: C-18-Z / D5A

LEGAL DESCRIPTION: Lots 13, 25-32, Block 12 + Lots 1-8, 26-32 Block 15 (except portions outlined) Tom Hardie North Alb. Acres + portions of vacated Signal Ave NE containing 29.32 AC more or less of the lands of the City of Alb., NM Situate in the County of Bernalillo

CITY ADDRESS: 8725 Pan American Freeway

ENGINEERING FIRM: Dekss-Hines Eng. Inc. CONTACT: Chris Weiss

ADDRESS: 1100 Alvarado N.E. 87110 PHONE: 266-3144

OWNER: Levi Strauss Co. CONTACT: ____

ADDRESS: ? PHONE: ____

ARCHITECT: Carol Pacheco CONTACT: ____

ADDRESS: ? PHONE: ____

SURVEYOR: Ron Forstbauer Surveying CONTACT: Ron Forstbauer

ADDRESS: 1116 Montclaire NE 87110 PHONE: 268-6519

CONTRACTOR: NM Diversified Inc. CONTACT: Doyle Seymour

ADDRESS: 13505 Jerrago Dr. NE 87112 PHONE: 296-3448

PRE-DESIGN MEETING:

X YES

___ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ____

EPC NO. ____

PROJ. NO. ____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

X 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

X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER ____ (SPECIFY)

RECEIVED AUG 2 1990 HYDROLOGY DIVISION

DATE SUBMITTED: Aug 1, 1990

BY: ____

25 x 10

0000 0000 1755

DRAINAGE INFORMATION SHEET

APPLICANT'S NAME: Allied Signal ZONE ATLAS/DRNG. FILE #: C-18 5A

DRB #: EPC #: WORK ORDER #:

LEGAL DESCRIPTION: Block 12 & 13, Tract A, Unit B, North Albq. Acres

CITY ADDRESS: 8725 Pan American Fwy (Former Levi-Strauss Mfg. Facility

ENGINEERING FIRM: Chavez-Grieves CONTACT: Mike Walla

ADDRESS: 5639 Jefferson St. NE PHONE: 344-4080

OWNER: Allied Signal CONTACT: Hank Samanipa

ADDRESS: 2525 W. 190th St. Torrance, CA 90504-6099 PHONE: 797-4945 (site)

ARCHITECT: Design Collaborative SW CONTACT: Kim Hooker, Architect

ADDRESS: 320 Central Ave. SW PHONE: 843-9139

SURVEYOR: CONTACT:

ADDRESS: PHONE:

CONTRACTOR: Klinger Constructors CONTACT: Skip Hansen

ADDRESS: 8701 Washington PHONE: 856-8202

TYPE OF SUBMITTAL:
- ___ DRAINAGE REPORT
- ___ DRAINAGE PLAN
- ___ CONCEPTUAL GRADING & DRAINAGE PLAN
- X GRADING PLAN
- ___ EROSION CONTROL PLAN
- ___ ENGINEER'S CERTIFICATION
- ___ OTHER

PRE-DESIGN MEETING:
- ___ YES
- X NO
- ___ COPY PROVIDED

RECEIVED SEP 24 1998 HYDROLOGY SECTION

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
- ___ SUBDIVISION CERTIFICATION
- ___ OTHER Foundation only (SPECIFY)

DATE SUBMITTED: 9/24/98

BY: Mike P. Walla

Revised 02/98

Foundation Only

25 x 10

0000 0000 .N56

CITY OF
Albuquerque

October 19,1998

Mike Walla
Chavez-Grieves Engineering
5639 Jefferson NE
Albuquerque, New Mexico

RE: DRAINAGE PLAN FOR A FOUNDATION FOR ALLIED SIGNAL TEST PAD
(C18-5A) ENGINEER'S STAMP DATED 9/4/98

Dear Mr. Walla:

Based on the information provided on your September 24,1998 submittal, the above referenced site is approved for Foundation Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely

Bernie J. Montoya

Bernie J. Montoya CE
Associate Engineer

25×10

CHAVEZ · GRIEVES
CONSULTING ENGINEERS, INC.
THE ENGINEERING FIRM OF CHOICE
5639 JEFFERSON STREET NE • ALBUQUERQUE, NEW MEXICO 87109 • PHONE (505) 344-4080 • FAX (505) 343-8759

LETTER OF TRANSMITTAL

TO: COA
HYDROLOGY DEPT.

DATE: 10/26/98
JOB # D06.147.5098
RE: ALLIED SIGNAL

ATTN: BERNIE MONTOYA

WE ARE SENDING YOU X ATTACHED ___ UNDER SEPARATE COVER, THE FOLLOWING ITEMS:

____SHOP DRAWINGS ____PLANS ____SPECIFICATIONS ____DISKETTE
____CHANGE ORDER ____PRINTS ____CALCULATIONS ____PROPOSAL INFO
____COPY OF LETTER ____SAMPLES ____REPORT ____ _____

COPIES	DATE	NO.	DESCRIPTION
2 EA			GRADING & DRAINAGE PLAN
2 EA			HYDRAULIC CALCULATIONS
1 EA			DRAINAGE INFO SHEET

THESE ARE TRANSMITTED AS CHECKED BELOW:

X FOR YOUR USE
X AS REQUESTED
____PLEASE CORRECT AND RESUBMIT
____RESUBMITTAL IS NOT REQUIRED
CORRECTIONS, IF ANY, ARE NOTED

X FOR REVIEW & COMMENT
____RETURNED AFTER LOAN TO US
____SUBMIT____COPIES FOR DISTRIBUTION
____RETURN____CORRECTED PRINTS
____BIDS/PROPOSALS DUE _____ 199_

REMARKS:

RECEIVED
OCT 27 1998
HYDROLOGY SECTION

COPIES TO: FILE

SIGNED: [signature]

IF ENCLOSURES ARE NOT AS NOTED KINDLY NOTIFY US AT ONCE.

REV.9/95

25 × 10

0000 0000 1758

Printed October 26, 1998 (10:23AM)

2. RUNOFF VOLUME COMPUTATION

Use Equation a-5 to compute weighted excess precipitation:

Weighted E = "E" = $(E_A A_A + E_B A_B + E_C A_C + E_D A_D)/(A_A + A_B + A_C + A_D)$

$(A_A + A_B + A_C + A_D) = \sum A_i$

Use Equation a-6 to compute the volume:

V_{360} = "E" x $(A_A + A_B + A_C + A_D)$ x 3630 feet^3/acre·inch

Values of E_i are from Table A-8, and are in inches. Area values are in acres.

BASIN	E_A	A_A	E_B	A_B	E_C	A_C	E_D	A_D	$\sum A_i$	"E"	V_{360}
EXISTING BASIN VOLUME OF RUNOFF (CUBIC FEET)											
I	0.80	0	1.08	1.46	1.46	0	2.64	11.9	13.39	2.47	120,051
DEVELOPED BASIN VOLUME OF RUNOFF (CUBIC FEET)											
I	0.80	0	1.08	1.55	1.46	0	2.64	11.8	13.39	2.46	119,541

25×10

0000 0000 1759

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 2, 1993

Chris Weiss
C.L. Weiss Engineering, Inc.
1100 Alvarado Dr. NE
Albuquerque, NM 87110

RE: DRAINAGE PLAN FOR A PORTABLE BUILDING @ LEVI STRAUSS (C18-D5A)
ENGINEER'S STAMP DATED 1/27/93.

Dear Mr. Weiss:

Based on the information provided on your January 28, 1993 submittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to signoff by Hydrology.

Also, please be advised that no further development will be allowed until a Master Drainage Plan for the complete site is submitted for review.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Assistant

BJM/dl/WPHYD/7486

xc: Alan Martinez
Robert Luna
File

25×10

0000 0000 1160

Levi's
QUALITY NEVER GOES OUT OF STYLE

September 10, 1993

Mr. Bernie Montoya, CE
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: DRAINAGE PLAN FOR LEVI STRAUSS & CO.

Dear Mr. Montoya,

Per your converstion with John Allen and Robert Luna on Septembember 1, 1993 concerning the above, this letter will serve as our intent to complete the Master Drainage plans for any further development on our property.

The above will be completed by 1st. quarter of 1994.

Regards,

Mike Barnes

Mike Barnes
Plant Manager

Levi Strauss & Co. 8725 Pan American Freeway, NE, P.O. Box 3608, Albuqurque, New Mexico 87190 Phone 505-823-2100
100% Reclaimed Levi's® Denim

25×10

Printed October 26, 1998 (10:23AM)

CHAVEZ - GRIEVES / CONSULTING ENGINEERS, Inc.

5639 Jefferson Street NE, Albuquerque, New Mexico 87109 Phone (505) 344-4080 - Fax (505) 343-8759

RUNOFF CALCULATIONS - SIMPLIFIED PROCEDURE

By: MIKE J. WALLA
Project: ALLIED SIGNAL

Date: 10/26/98
Zone Atlas: C-18-Z

This procedure is in accordance with the City of Albuquerque Development Process Manual, Volume 2, Section 22.2, "Hydrology", peak discharge rate for small watersheds less than forty acres in size.

Precipitation Zone from Figure A-1: 4
Land treatment descriptions are in Table A-4.

1. RUNOFF RATE COMPUTATION

Use Equation a-10: $Q_P = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$

Values of Q_{pi} are from Table A-9, and are in CFS/acre. Area values are in acres.

BASIN	Q_{PA}	A_A	Q_{PB}	A_B	Q_{PC}	A_C	Q_{PD}	A_D	Q_P
EXISTING BASIN RATE OF RUNOFF (CFS)									
I	2.20	0	2.92	1.46	3.73	0	5.25	11.93	66.96
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
DEVELOPED BASIN RATE OF RUNOFF (CFS)									
I	2.20	0	2.92	1.55	3.73	0	5.25	11.84	66.68
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0

25×10

0000 0000 1762

DRAINAGE INFORMATION SHEET

APPLICANT'S NAME: Allied Signal ZONE ATLAS/DRNG. FILE #: C-18 105A

DRb #: EPC #: WORK ORDER #:

LEGAL DESCRIPTION: Block 12 & 13, Tract A, Unit B, North Albq. Acres

CITY ADDRESS: 8725 Pan American Fwy (Former Levi-Strauss Mfg. Facility)

ENGINEERING FIRM: Chavez-Grieves CONTACT: Mike Walla

ADDRESS: 5639 Jefferson St. NE PHONE: 344-4080

OWNER: Allied Signal CONTACT: Hank Samanipa

ADDRESS: 2525 W. 190th St. Torrance CA 90504-6099 PHONE: 797-4945 (site)

ARCHITECT: Design Collaborative SW CONTACT: Kim Hooker, Architect

ADDRESS: 320 Central Ave. SW PHONE: 843-9139

SURVEYOR: CONTACT:

ADDRESS: PHONE:

CONTRACTOR: Klinger Constructors CONTACT: Skip Hansen

ADDRESS: 8701 Washington PHONE: 856-8202

E OF SUBMITTAL:
- DRAINAGE REPORT
- [X] DRAINAGE PLAN
- CONCEPTUAL GRADING & DRAINAGE PLAN
- [X] GRADING PLAN
- EROSION CONTROL PLAN
- ENGINEER'S CERTIFICATION
- OTHER

PRE-DESIGN MEETING:
- YES
- [X] 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
- [X] BUILDING PERMIT APPROVAL
- CERTIFICATE OF OCCUPANCY APPROVAL
- GRADING PERMIT APPROVAL
- PAVING PERMIT APPROVAL
- S.A.D. DRAINAGE REPORT
- DRAINAGE REQUIREMENTS
- SUBDIVISION CERTIFICATION
- OTHER _____ (SPECIFY)

DATE SUBMITTED: 10/26/98

BY: Mike P. Walla

Revised 02/98

RECEIVED OCT 27 1998 HYDROLOGY SECTION

25 x 10

0000 0000 11163

CITY OF
Albuquerque

November 27,1998

Mike Walla
Chavez-Grieves
5639 Jefferson St. NE
Albuquerque, New Mexico 87109

RE: DRAINAGE PLAN FOR ALLIED SIGNAL TURBO GENERATOR (C18-D5A)
ENGINEER'S STAMP DATED 10/26/98

Dear Mr .Walla:

Based on the information provided on your October 27,1998 submittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the constructions sets prior to sign-off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
File

Sincerely

Bernie J. Montoya CE
Associate Engineer

25×10

0000 0000 1764

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

DRAINAGE FILE/ZONE ATLAS PAGE NO.: C-18 DATE: 7/13/90

EPC NO.: DRB NO.: ZONE:

SUBJECT: S Levi-Strauss

STREET ADDRESS: Alameda / I-25

LEGAL DESCRIPTION:

RECEIVED
AUG 2 1990
HYDROLOGY SECTION

APPROVAL REQUESTED:
- ____ PRELIMINARY PLAT
- ____ SITE DEVELOPMENT PLAN
- ____ GRADING/PAVING PERMIT
- ____ FINAL PLAT
- X BUILDING PERMIT
- ____ OTHER

ATTENDANCE:	WHO	REPRESENTING
	Brian Bobrick	Weiss-Hines Engr
	Gilbert Aldaz	City of Albuq.

FINDINGS:

1. Proposed Storage Building To Be Constructed Over Existing Pavement.

2. Consultant to provide topography and layout building location, demonstrate over existing pavement and not blocking flows, otherwise a drainage plan per D.P.M. will be required

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED:	Brian Bobrick	SIGNED:	Gilbert Aldaz
TITLE:	Draftsman	TITLE:	Civil Engr
DATE:	7/13/90	DATE:	7/13/90

NOTE PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.

25×10

0000 0000 1165

RECEIVED
AUG 2 1990
HYDROLOGY DIVISION

C-18-Z

25×10

0000 0000 1766

DRAINAGE INFORMATION SHEET

PROJECT TITLE: LEVI STRAUSS: PORTABLE BLDG. ZONE ATLAS/DRNG. FILE #: C-18-Z/D5A

LEGAL DESCRIPTION: SUBDIVISION ADDITION LEVI STRAUSS & CO.

CITY ADDRESS: 8725 PAN AMERICAN FREEWAY

ENGINEERING FIRM: C.L. WEISS ENG. CONTACT: BRYAN BOBRICK

ADDRESS: 1100 ALVARADO NE 87110 PHONE: 266-3444

OWNER: LEVI - STRAUSS & CO. CONTACT: ROBERT LUNA

ADDRESS: 8725 PAN AMERICAN FREEWAY PHONE: 823-2100

ARCHITECT: N/A CONTACT: —

ADDRESS: — PHONE: —

SURVEYOR: RONALD FORSTBAUER SURVEYING CO. CONTACT: RON FORSTBAUER

ADDRESS: 4520 ROBIN AVE. NE PHONE: 268-6519

CONTRACTOR: N/A CONTACT —

ADDRESS: — PHONE: —

PRE-DESIGN MEETING:

___ YES

X NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

RECEIVED JAN 28 1993 HYDROLOGY DIVISION

DRB NO. ___

EPC NO. ___

PROJ. NO. ___

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

X 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

X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER ___ (SPECIFY)

DATE SUBMITTED: JAN 27, 1993

BY: C.L. WEISS ENGINEERING

25 X 10

0000.0000 1767

FILE COPY

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 15, 1990

Chris Weiss, P.E.
Weiss-Hines Engineering
1100 Alvarado, NE
Albuquerque, New Mexico 87108

RE: DRAINAGE PLAN FOR A TEMPORARY STORAGE BUILDING FOR LEVI STRAUSS (C-18/D5A) ENGINEER'S STAMP DATED AUGUST 1, 1990

Dear Mr. Weiss:

Based on the information provided on your submittal of August 2, 1990, the above referenced plan is approved for Building Permit.

Please attach a copy of this plan to the construction set prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

for Bernie J. Montoya
Fred J. Aguirre, P.E.
Hydrologist

BJM:FJA/bsj
(WP+2102)

25×10

0000 0000 1768

Weiss Engineering

C.L. Weiss Engineering, Inc
Post Office Box 97
Sandia Park, N.M. 87047

Phone / Fax (505) 281-1800
Alvarado Office (505) 266-3444

28 January, 1993

Mr. Bernie Montoya
Hydrology Department
City of Albuquerque
POB 1293
Albuquerque, NM 87103

RE: LEVI-STRAUSS PORTABLE BUILDING ADDITION

Dear Bernie,

Enclosed with this letter, please find 2 bluelines of the Drainage plan for building permit for a Levi-Strauss portable building addition. As you can see, the building is situated on a pier foundation over an existing asphalt paved area. There will be no increase in flows and there will be no deflection of existing drainage due to this addition. Our clients would appreciate a response as quickly as possible as they did not know that this procedure would be required and are ready for construction to begin.

If you have any additional questions, please don't hesitate to call me.

Sincerely,

Bryan J. Bobrick
C.L. Weiss Engineering, Inc.

RECEIVED
JAN 28 1993
HYDROLOGY DIVISION

25 x 10

0000 0000 1769

Levi's
QUALITY NEVER GOES OUT OF STYLE

RECEIVED
SEP 14 1993
HYDROLOGY DIVISION

September 10, 1993

Mr. Bernie Montoya, CE
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: DRAINAGE PLAN FOR LEVI STRAUSS & CO.

Dear Mr. Montoya,

Per your converstion with John Allen and Robert Luna on Septembember 1, 1993 concerning the above, this letter will serve as our intent to complete the Master Drainage plans for any further development on our property.

The above will be completed by 1st. quarter of 1994.

Regards,

Mike Barnes

Mike Barnes
Plant Manager

Levi Strauss & Co. 8725 Pan American Freeway, NE, P.O. Box 3608, Albuqurque, New Mexico 87190 Phone 505-823-2100
100% Reclaimed Levi's® Denim

25×10

0000 0000 1770

PLANS/PLATS ON FILE

FILE DESC: C18/D5A

PLANS/PLATS 5

25×10

0000 0000 1771