

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 18, 2003

Guy Jackson, PE BPLW 6200 Uptown Blvd, Ste 400 Albuquerque, NM 87110

Re: Ponderosa Products Drainage Plan

Engineer's Stamp dated 3-13-03 (J13/D2A)

Dear Mr. Jackson,

Based upon the information provided in your submittal dated 3-12-03, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Since this project is basically a tenant improvement project, no Engineer Certification of the drainage will be required for Certificate of Occupancy release.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradley L. Bingham, PE

Sr. Engineer, Planning Dept.

Development and Building Services

C: file

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV. 1/11-2002)

PROJECT TITLE: Ponderosa Products	ZONE MAP/DRG. FILE #: J13/D2A
DRB#:EPC #:	WORK ORDER #:
LEGAL DESCRIPTION: Tract B-1of the Lands of Freeway-C	Old Town Limited, Limited, Albuquerque, NM
ENGINEERING FIRM: BPLW ADDRESS: 6200 Uptown Blvd., Suite 400 CITY, STATE:	CONTACT: Guy C. Jackson, PE PHONE: 881-2759 ZIP CODE:
OWNER: CONTA	ለ උ ፕ٠
ADDRESS: (See Architect)	PHONE: (See Architect)
CITY, STATE:	ZIP CODE:
ARCHITECT: BPLW Architects & Engineers Inc '	CONTACT: Charlie Otero, AIA
ADDRESS: 320 Central Ave SW	PHONE: 881-2759
CITY, STATE:	ZIP CODE:
SURVEYOR:	CONTACT:
ADDRESS:	PHONE:
CITY, STATE:	ZIP CODE:
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE
CITY, STATE:	ZIP CODE:
CHECK TYPE OF SUBMITTAL: DRAINAGE REPORT X DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION(HYDROLOGY) CLOMR/LOMR X TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEER'S CERTIFICATION(TCL) ENGINEER'S CERTIFICATION(DRB APPR. SITE PLAN OTHER	CHECK TYPE OF APPROVAL SOUGHT: SIA / FINANCIAL GUARANTEE RELEASE 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 CERTIFICATE OF OCCUPANCY (PERM.) CERTIFICATE OF OCCUPANCY (TEMP.) GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL WORK ORDER APPROVAL OTHER(SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED YES NO COPY PROVIDED	D
DATE SUBMITTED: March 13,2003 BY:	Guy C. Jackson, PE HYDROLOGY SECTION

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

- Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres.
- Drainage Plans: Required for building permits, grading permits, paving permits, and site plans less than five (5) acres.
- Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

BPIW

March 13, 2003

6200 Uptown Blvd. NE Suite 400 Albuquerque, New Mexico 87110 (505) 881-BPLW (2759) FAX (505) 881-1230 web site: http://www.bplw.com

Architects & Engineers, Inc. Brad Bingham, PE Hydrology Chairman COA - Public Works PO Box 1293 Albuquerque, New Mexico

Officers

William L. Burns, AIA Ronald L. Peters, AIA, AICP Joseph D. Long, Emeritus, AIA, PE Bill J. Waters, Emeritus, AIA Charlie M. Otero, AIA Eugene A. Valentine, AIA, CCS W. Paul Waters, AIA

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Drainage Plan for Lumber Products; COA Hydrology File: Re: J13/D2A

MAR 1 2 2003

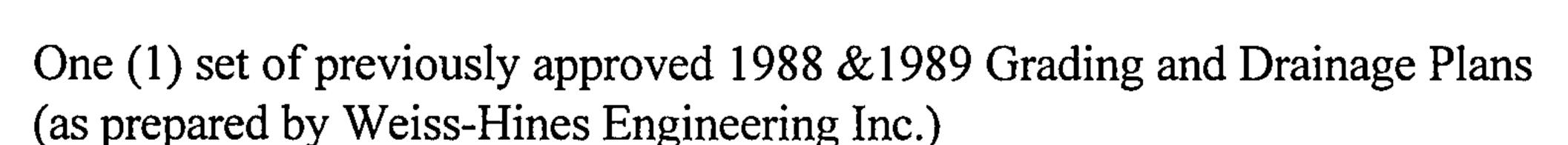
HYDROLOGY SECTION

Dear Brad:

Attached for your review are the following

One (1) Drainage Information Sheet





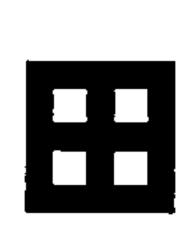
One (1) set of the previous approval letters from COA Hydrology

One (1) copy of the Site Plan showing proposed clean-up and maintenance for the existing exterior of the site

One (1) set of calculations

The site is located at the west side of the Bellamah Ave.& 18th St. intersection. Presently, the site is fully developed with improvements to include an interior remodel and exterior clean-up and maintenance. In reference to our phone discussion in December 2002, this submittal has been prepared to illustrate the difference of developed flow and volume using the hydrology methods for the previously approved plans in 1988 & 1989 versus today's procedure for 40 acre and smaller basins set by Section 22.2, Hydrology of the Development Process Manual, Volume 2, Design Criteria, dated January 1993 that were used to quantify the peak rate of discharge and volume of runoff generated.

As described in the Drainage Plan Narrative, the only proposed work on this site is to remodel the existing offices within the interior of the existing building while cleaning and maintaining the exterior of the existing site. The exterior maintenance items include; site clean-up, some minor paving



patches, the cleaning out of the existing drain pipes and inspection and or replacement of the existing sump pumps, the removal and replacement of existing sidewalk for the installation of a wheel chair ramp and the restriping of the existing paved areas. The Drainage Plan Narrative also illustrated the calculated differences between the hydrology methods used in 1988/89 and those used today.

The Site Plan has been included for Traffic Circulation Layout review and to show the limits of the site clean-up and items needing maintenance.

Please contact me if you have any questions or comments.

Sincerely,

BPLW ARCHITECTS & ENGINEERS, INC.

Guy Jackson, PE

DRAINAGE PLAN

The following items concerning the Ponderosa Products Drainage Plan are contained herein: 1) Original Grading and Drainage Plans prepared in 1987 & 1989 by Weiss – Hines Engineering Inc; 2) Site Plan and 3) Calculations

As shown by the Vicinity Map (J-13) on the 1989 approved grading plan, the site lies at the east intersection of Bellamah Ave. NW and 18th St. NW.

Also as shown by the flood insurance rate map on the 1989 approved grading plan, the site does not lie in, nor is it adjacent to a flood hazard zone area.

The purpose of this submittal is to present a site plan that; with the exception of the removal of an existing truck scale pit and small area of adjacent paving, proposes site maintenance as the limits of improvements. Basically, the only proposed work on this site is to remodel the existing offices within the interior of the existing building while cleaning and maintaining the existing site. The exterior maintenance items include; site clean-up, some minor paving patches, the cleaning out of the existing drain pipes and inspection and or replacement of the existing sump pumps, the removal and replacement of existing sidewalk for the installation of a wheel chair ramp and the re-striping of the existing paved areas.

The Grading and Drainage Plans that were previously prepared in 1987 and 1989 by Weiss-Hines Engineering Inc. showed existing and proposed spot elevations and contours at 1'-0" intervals, limit and character of the proposed improvements and also the existing conditions. The purpose of this submittal, however is to show the hydrological differences for the site which compares the "Mayors Emergency Rule" Hydrology (used in 1988 &1989) versus today's procedure for 40 acre and smaller basins set by Section 22.2, Hydrology of the Development Process Manual, Volume 2, Design Criteria, dated January 1993 that were used to quantify the peak rate of discharge and volume of runoff generated.

As shown on the 1989 approved grading plan of which are the current existing conditions, all of the developed storm water runoff from the site collects into two retention ponds. The east pond collects most of the developed flows of which are pumped via an existing 10" drain line that connects to the west pond. This pond (the west pond) then drains 2.0cfs-controlled release into the back of an existing inlet via an 8" drain line at the northwest corner of the site on 18th St. NW. This connection was also shown on the approved 1987 and 1989 grading plans. The 1988 & 1989 approved plans also show an emergency spillway along the south access road that drains the east side of the site if the pump in the east pond malfunctions. Flows spilling over the emergency spillway flow west into 18th St. and then drain north to the existing curb inlet at the 18th St. and Bellamah Ave. intersection.

As mentioned above, the calculations, which appear herein, analyze the developed conditions for the 100-year, 6-hour rainfall event. And compares them to the 1989

approved plan which used the Mayors Emergency Rule (modified Rational Method). As shown by these calculations, current hydrology gives a 100-year, six-hour event-Peak Discharge of 16.07cfs versus the 13.4cfs as shown on the approved 1989 plan using the old hydrology. This is a net difference of 2.67cfs. Also, the accompanying 100-year 6-hour –volume is 20,290cf, versus the 15,200cf as shown on the approved 1989 plans using the old hydrology. This is a net difference of 5,090cf. Again, these increases are shown as differences in the hydrology methods used when the site was originally constructed verses the current DPM design criteria. No improvements are to be built to increase the impervious area of the 1989 approved plan.





P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 18, 2003

Guy Jackson, PE BPLW 6200 Uptown Blvd, Ste 400 Albuquerque, NM 87110

Re: Ponderosa Products Site Plan submitted for TCL

Engineer's Stamp dated 3-13-03 (J13/D2A)

Dear Mr. Jackson,

Based upon the information provided in your submittal dated 3-12-03, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Transportation.

Since this project is basically a tenant improvement project, no Engineer Certification of the site will be required for Certificate of Occupancy release.

If you have any questions, you can contact me at 924-3986.

Sincerely, Brack L. Byhn

Bradley L. Bingham, PE

Sr. Engineer, Planning Dept.

Development and Building Services

C: file

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/11.2002)

PROJECT TITLE: Ponderosa Products	ZONE MAP/DRG. FILE #: J13/D2A
DRB#:EPC #:	WORK ORDER #:
LEGAL DESCRIPTION: Tract B-1of the Lands of Freeway-C	Old Town Limited, Limited, Albuquerque, NM
ENGINEERING FIRM: BPLW ADDRESS: 6200 Uptown Blvd., Suite 400 CITY, STATE:	CONTACT: Guy C. Jackson, PE PHONE: 881-2759 ZIP CODE:
OWNER: CONT	'A CT-
ADDRESS: (See Architect) CITY, STATE:	PHONE: (See Architect) ZIP CODE:
ARCHITECT: BPLW Architects & Engineers Inc ADDRESS: 320 Central Ave SW CITY, STATE:	CONTACT: Charlie Otero, AIA PHONE: 881-2759 ZIP CODE:
SURVEYOR:ADDRESS:CITY, STATE:	CONTACT: PHONE: ZIP CODE:
CONTRACTOR: ADDRESS: CITY, STATE:	CONTACT: PHONE ZIP CODE:
CHECK TYPE OF SUBMITTAL: DRAINAGE REPORT X DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION(HYDROLOGY) CLOMR/LOMR X TRAFFIC CIRCULATION LAYOUT (TCL); ENGINEER'S CERTIFICATION(TCL) ENGINEER'S CERTIFICATION(DRB APPR. SITE PLA OTHER	CHECK TYPE OF APPROVAL SOUGHT: SIA / FINANCIAL GUARANTEE RELEASE 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 (PERM.) CERTIFICATE OF OCCUPANCY (TEMP.) GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL WORK ORDER APPROVAL OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED YES NO COPY PROVIDED DATE SUBMITTED: Merch 12 2002 PV:	D 国区区 V区 MAR 1 2 2003 Guy C. Jackson, PE HYDROLOGY SECTION
DATE SUBMITTED: March 13,2003 BY:	Guy C. Jackson, PELHYDRULUGY SECTION

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- 3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 19, 1989

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

RE: REVISED DRAINAGE PLAN FOR 3B WAREHOUSE

(J-13/D2A) REVISION BLOCK DATED MAY 8, 1989

Dear Mr. Weiss:

Based on the information provided on your resubmittal of May 9, 1989, revisions as indicated are acceptable for Building Permit approval.

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

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

Cordially,

Bernie J. Montoya, C.E. Engineering Assistant

BJM/bsj (WP+337)



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 19, 1989

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

RE: REVISED DRAINAGE PLAN FOR 3B WAREHOUSE

(J-13/D2A) REVISION BLOCK DATED MAY 8, 1989

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

Cordially,

Bernie J. Montoya, C.I Engineering Assistant

BJM/bsj (WP+337)

DRAINAGE INFORMATION SHEET

	PROJECT TITLE: 3B. Warehouse LEGAL DESCRIPTION: Trut B1 (ands of CITY ADDRESS:	ZONE ATLAS/DRNG. FILE #1: J-13/D2 Freeway -Old Town:
•	ENGINEERING FIRM: WEISS-HINES ENGINEER	ING CONTACT: Weiss
	ADDRESS: 1100 ALVARADO NE	PHONE: 505-266-3444
	OWNER	CONTACT:
, , , , , , , , , , , , , , , , , , ,	ADDRESS	PHONE
	ARCHITECT:	CONTACT:
	ADDRESS:	PHONE:
•	SURVEYOR:	CONTACT:
•	ADDRESS:	PHONE:
	CONTRACTOR:	CONTACT:
•	ADDRESS:	PHONE:
• • •	PRE-DESIGN MEETING COMMON TO THE PRE-DESIGN MEETING	
	YES MAY 0.9-1989 COPY OF CONFERENCE RECEPTION SHEET PROVIDED DROLOGY SECTION	DRB NO EPC NO PROJ. NO
	TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
. •	DRAINAGE REPORT	SKETCH PLAT APPROVAL.
	DRAINAGE/GRADING PLAN	PRELIMINARY PLAT APPROVAL
	CONCEPTUAL GRADING & DRAINAGE PLAN RESUBMITTAL	SITE DEVELOPMENT PLAN APPROVAL
	EROSION CONTROL PLAN	FINAL PLAT APPROVAL BUILDING PERMIT APPROVAL
•	ENGINEER'S CERTIFICATION	FOUNDATION PERMIT APPROVAL
•		CERTIFICATE OF OCCUPANCY APPROVAL
•		ROUGH GRADING PERMIT APPROVAL
		GRADING/PAVING PERMIT APPROVAL
		OTHER (SPECIFY)
	DATE SUBMITTED: 5-9-89	DATE RECEIVED:
•	DY: Weiss-Hines Engineering, Inc.	RECEIVED BY:



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

KEN SCHULTZ **MAYOR**

CLARENCE V. LITHGOW

CHIEF

ADMINISTRATIVE OFFICER

DAN WEAKS DEPUTY CAO

FRED E. MONDRAGON

DEPUTY CAO **PUBLIC SERVICES** DEVELOPMENT & ENTERPRISE SERVICES

March 3, 1989

Chris Weiss, P.E. Weiss-Hines Engineering, Inc. 1100 Alvarado, NE Suite B Albuquerque, New Mexico 87110

> REVISED DRAINAGE PLAN FOR 3B WAREHOUSE RE:

> > ((J-13/D2A) REVISION DATE OF FEBRUARY 21, 1989

Dear Mr. Weiss:

Based on the information provided on your resubmittal of February 28, 1989, the referenced drainage plan is approved for building permit.

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

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

Cordially,

Bernie J. Monttoya, C.E.

Engineering Assistant

BJM/bsj (WP + 337)

	DRAINAGE INFORMA	
	PROJE ITLE: 3B 08 WARehouse ZONE AT	LAS RINAGE FILE # 5-13 102
	LEGAL DESCRIPTION: Toat B-1 of the	lands of Freeway Old Town
• • •	CITY ADDRESS Dellanh St. 00.	7847. N. 7
	ENGINEERING FIRM: Weiss-Hines Engineeri	ng. Inc. CONTACT:
•	ADDRESS: 1100 Alvarado N.E.	PHONE: 266-3444
	OWNER:	.CONTACT:
	ADDRESS:	PHONE:
	ARCHITECT:	CONTACT:
•	ADDRESS:	PHONE:
	SURVEYOR: For Stylen Survey. mg	Contact:852-1424
•	ADDRESS:	PHONE:
•	CONTRACTOR: 1- 2000 Comment 1- 2000	-tes : CONTACT: 883-8906
• •	ADDRESS:	PHONE:
	YES NO COPY OF CONFERENCE LIVE RECAP SHEET PROVIDED LOGY SECTION	
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, .	DRAINAGE REPORT	SECTOR PLAN APPROVAL
	DRAINAGE PLAN	SKETCH PLAT APPROVAL
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	EROSION CONTROL PLAN	FINAL PLAT APPROVAL
	ENGINEER'S CERTIFICATION	BUILDING PERHIT APPROVAL
	Resubmittal	FOUNDATION PERHIT APPROVAL
		CERTIFICATE OF OCCUPANCY APPROVAL
		ROUGH GRADING PERMIT APPROVAL
	DATE SUBMITTED: 38,1989	GRADING/PAVING PERMIT APPROVAL
	BY: Weiss-Hines Eng. Inc.	OTHER(SPECIFY).
	REV. 10/85	•
	DAME BECTATION'	•

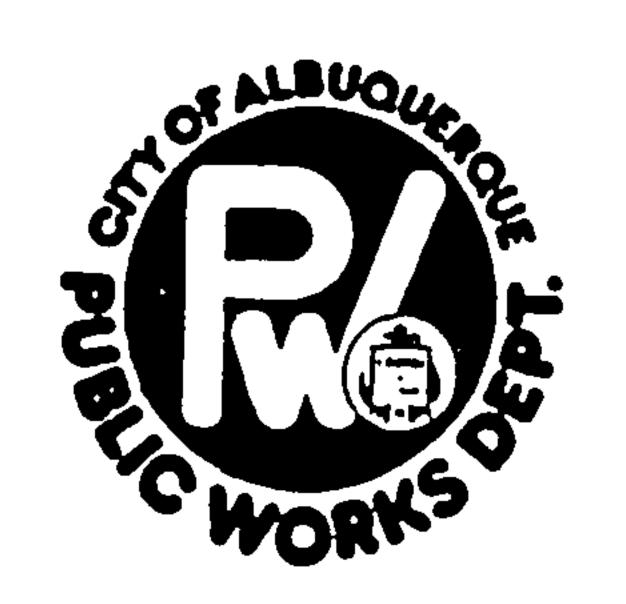
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT



INTER-OFFICE CORRESPONDENCE

January 21, 1988

ENGINEERING GROUP

TO:

Tom Aragon, Transportation System Division

FROM:

Fred J. Aguirre, Hydrologist; Engineering Group/PWD

SUBJECT:

PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHTS-OF-WAY/EASEMENT

3B OFFICE/WAREHOUSE (J-13/D2A)

Transmitted herewith, is a copy of the approved drainage plan for the referenced project incorporating the S.O. #19 design.

In accordance with the new process, this plan is being submitted to you for permitting and inspection. Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed-off S.O. #19 is required by this office for Certificate of Occupancy release; hence your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation, and if you should have any questions and/or comments regarding the process, please feel free to call me at 768-2650.

FJA/bsj

Attachment



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz Mayor

UTILITY DEVELOPMENT DIVISION HYDROLOGY SECTION (505) 768-2650

January 21, 1988

Chris Weiss, P.E. Weiss-Hines Engineering, Inc. 1100 Alvarado, NE Suite B Albuquerque, New Mexico 87110

RE: REVISED DRAINAGE PLAN FOR 3B WAREHOUSE

(J-13/D2A) REVISION DATE OF DECEMBER 24, 1987

Dear Mr. Weiss:

Based on the information provided on your resubmittal of January 14, 1988, revisions as indicated are acceptable. Please be advised that if the building permit has already been issued, you must provide the contractor with a copy of this approved plan..

Also, please advise your client that a separate permit is required for construction within City right-of-way.

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

Cordially,

Bernie J. Montoya, C.E. Engineering Assistant

xc: Becky Sandoval, Permits

BJM/bsj

Walter Nickerson, P.E., City Engineer

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

	DRAINAGE INFOR	MATION SHEET
	PROJECTITLE: 38 OFFICE WALEHOUSE ZONE	ATLAS INAGE FILE # J-13/12
	LEGAL DESCRIPTION: Tract 13-1 of	lands of treeway - Old Town, 1
fi - 1 '	CITY ADDRESS: 18th + Balan	uh NW.
	ENGINEERING FIRM: Weiss-Hines Enginee	ring. Inc. contact: Steve
	ADDRESS: 1100 Alvarado N.E.	PHONE: 266-3444
11 F 1 F 1841	OWNER:	
	ADDRESS:	PHONE:
	ARCHITECT:	. CONTACT:
	ADDRESS:	PHONE:
	SURVEYOR: Walker Survey Ing.	CONTACT:
•	ADDRESS:	PHONE:
•	CONTRACTOR:	. CONTACT:
	ADDRESS:	PHONE:
•	PRE-DESIGN MEETING: TO TOTAL	
•	YES JAN 1 4 1988	DRB. NO
•	NO	EPC NO.
	COPY OF CONFERENCE COLOGY SEC	TION PROJECT NO.
•	TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
	DRAINAGE REPORT	SECTOR PLAN APPROVAL
	DRAINAGE PLAN	SKETCH PLAT APPROVAL
•	. CONCEPTUAL GRADING & DRAIN PLAN	PRELIMINARY PLAT APPROVAL
•	GRADING PLAN	SITE DEVELOPMENT PLAN APPROVAL
•	EROSION CONTROL PLAN	FINAL PLAT APPROVAL
	ENGINEER'S CERTIFICATION	BUILDING PERMIT APPROVAL
	> X Resubmittal	FOUNDATION PERMIT APPROVAL
		CERTIFICATE OF OCCUPANCY APPROVAL
		ROUGH GRADING PERMIT APPROVAL
	DATE SUBMITTED: 1-14-88	GRADING/PAVING PERMIT APPROVAL
•	BY: Weiss-Hines Eng. Inc.	OTHER(SPECIFY).
• • • • • • • • • • • • • • • • • • •	REV10/85	
	DATE RECEIVED	

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42124 Sundance Mach. Jeek

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

August 21, 1987

INTER-OFFICE CORRESPONDENCE

ENGINEERING GROUP

TO:

Tom Aragon, Transportation System Division

FROM:

Fred J. Aguirre, Hydrologist; Engineering Group/PWD

SUBJECT:

PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHTS-OF-WAY/EASEMENT

3B OFFICE/WAREHOUSE (J-13/D2A)

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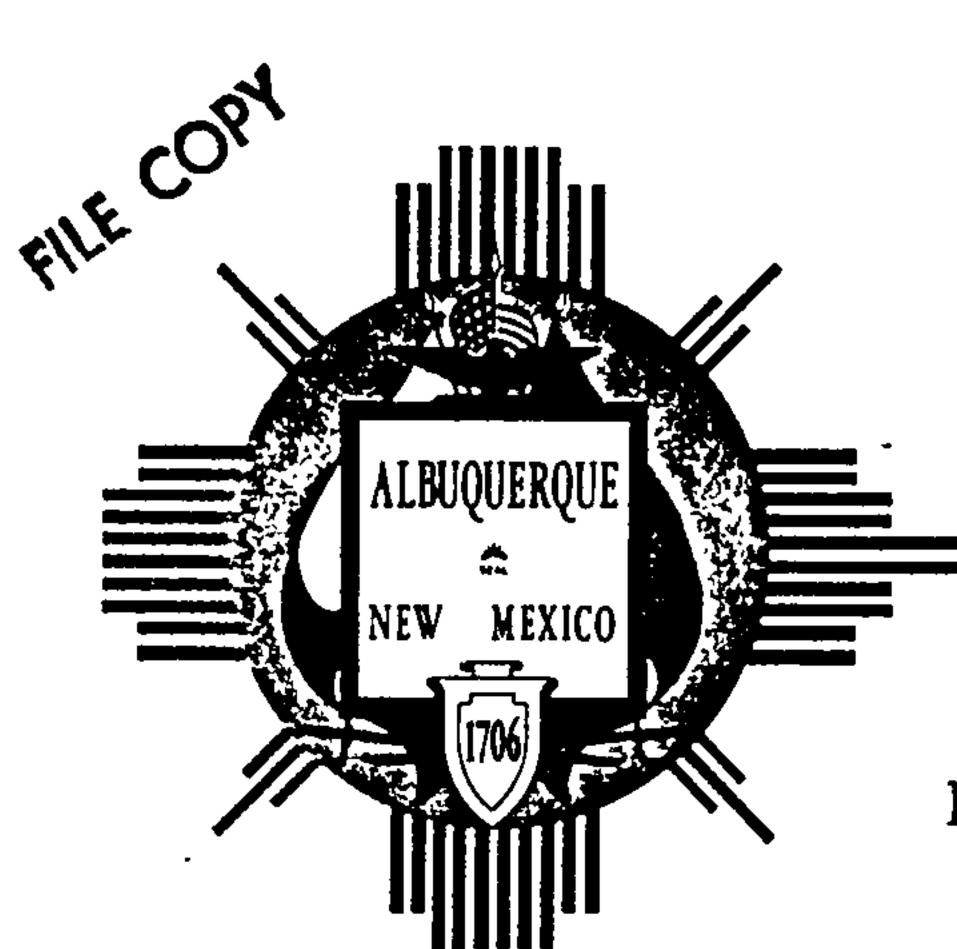
As you are aware, the signed-off S.O. #19 is required by this office for Certificate of Occupancy release; hence your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation, and if you should have any questions and/or comments regarding the process, please feel free to call me at 768-2650.

FJA/bsj

Attachment

: 3



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR

CHIEF ADMINISTRATIVE OFFICER DEPUTY CAO
PUBLIC SERVICES

DEPUTY CAO PLANNING/DEVELOPMENT

KEN SCHULTZ

GENE ROMO

FRANK MARTINEZ

BILL MUELLER

August 19, 1987

Steve Clark Weiss-Hines Engineering, Inc. 1100 Alvarado, NE

RE: DRAINAGE PLAN FOR 3B WAREHOUSE (J-13/D2A) DATED JULY 31, 1987

Dear Mr. Clark:

Based on the information provided on your submittal of August 3, 1987, the above referenced plan is approved for Building Permit.

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

Also, please be advised that a separate permit is required for construction within City right-of-way.

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

Cordially,

Carlos A. Montoya, P.E.

City/County Floodplain Administrator

CAM/bsj

xc: Becky Sandoval

	DRAINAGE INFORMA	
	PROJETITLE: 38 Warehouse ZONE AT	LAS INAGE FILE #
	LEGAL DESCRIPTION: Tract B-1 of F	reeway - Old Town limited
f•	CITY ADDRESS: 18th + Bellamah.	· · · · · · · · · · · · · · · · · · ·
	ENGINEERING FIRM: Weiss-Hines Engineeri	ing, Inc. contact: Steve
	ADDRESS: 1100 Alvarado N.E.	PHONE: 266-3444
(111.	OWNER:	
	ADDRESS:	PHONE:
	ARCHITECT:	CONTACT:
•	ADDRESS:	PHONE:
	SURVEYOR:	CONTACT:
	ADDRESS:	PHONE:
	CONTRACTOR:	CONTACT:
	ADDRESS:	PHONE:
	PRE-DESIGN MEETING:	7
•	YES AUG 03 1987	DRB. NO
•		EPC NO.
	COPY OF CONFERENCE OLOGY SECT RECAP SHEET PROVIDED	PROJECT NO
•	•	CHECK TYPE OF APPROVAL SOUGHT:
•	DRAINAGE REPORT	SECTOR PLAN APPROVAL
	DRAINAGE PLAN	SKETCH PLAT APPROVAL
•	CONCEPTUAL GRADING & DRAIN PLAN	PRELIMINARY PLAT APPROVAL
	GRADING PLAN	SITE DEVELOPMENT PLAN APPROVAL
•	EROSION CONTROL PLAN	FINAL PLAT APPROVAL
••	ENGINEER'S CERTIFICATION	BUILDING PERMIT APPROVAL
	Resubmittal	FOUNDATION PERMIT APPROVAL
		CERTIFICATE OF OCCUPANCY APPROVAL
	•	ROUGH GRADING PERMIT APPROVAL
	DATE SUBMITTED:	GRADING/PAVING PERMIT APPROVAL
•	BY: <u>Weiss-Hines Eng. Inc.</u>	OTHER(SPECIFY).
•	REV.,10/85	
_	DATE RECEIVED	•



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 19, 1989

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

RE: REVISED DRAINAGE PLAN FOR 3B WAREHOUSE

(J-13/D2A) REVISION BLOCK DATED MAY 8, 1989

Dear Mr. Weiss:

Based on the information provided on your resubmittal of May 9, 1989, revisions as indicated are acceptable for Building Permit approval.

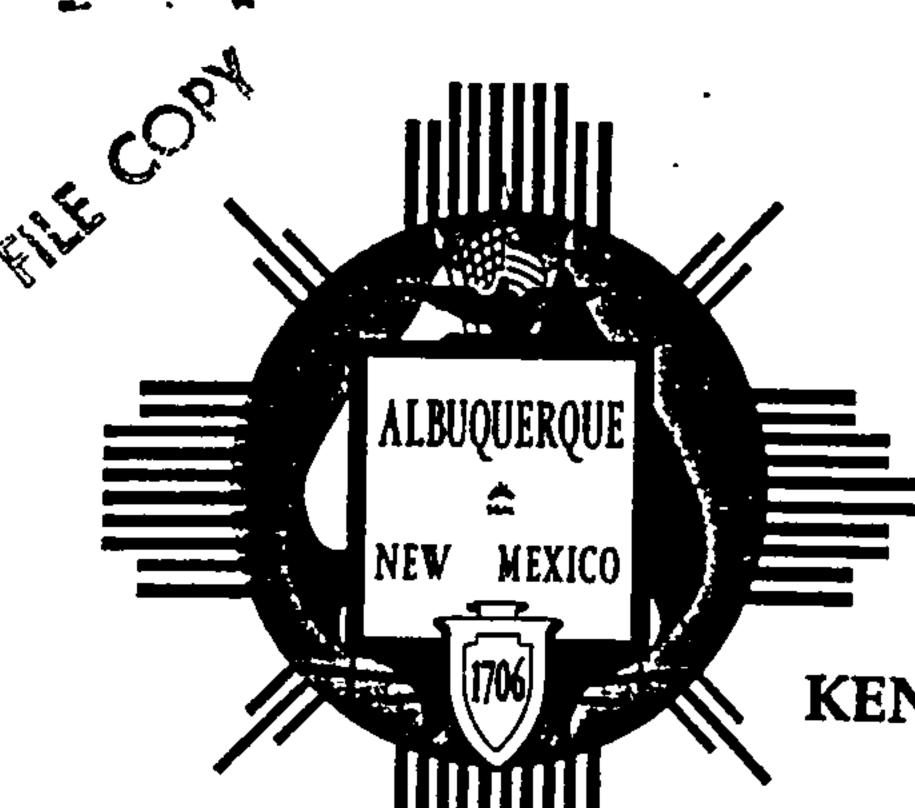
Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

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

Cordially,

Bernie J. Montoya, C.E. Engineering Assistant

BJM/bsj (WP+337)



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR

KEN SCHULTZ CLARENCE V. LITHGOW

CHIEF

ADMINISTRATIVE OFFICER

DAN WEAKS

FRED E. MONDRAGON

DEPUTY CAO DEPUTY CAO **PUBLIC SERVICES** DEVELOPMENT & ENTERPRISE SERVICES

March 3, 1989

Chris Weiss, P.E. Weiss-Hines Engineering, Inc. 1100 Alvarado, NE Suite B Albuquerque, New Mexico 87110

REVISED DRAINAGE PLAN FOR 3B WAREHOUSE

((J-13/D2A) REVISION DATE OF FEBRUARY 21, 1989

Dear Mr. Weiss:

Based on the information provided on your resubmittal of February 28, 1989, the referenced drainage plan is approved for building permit.

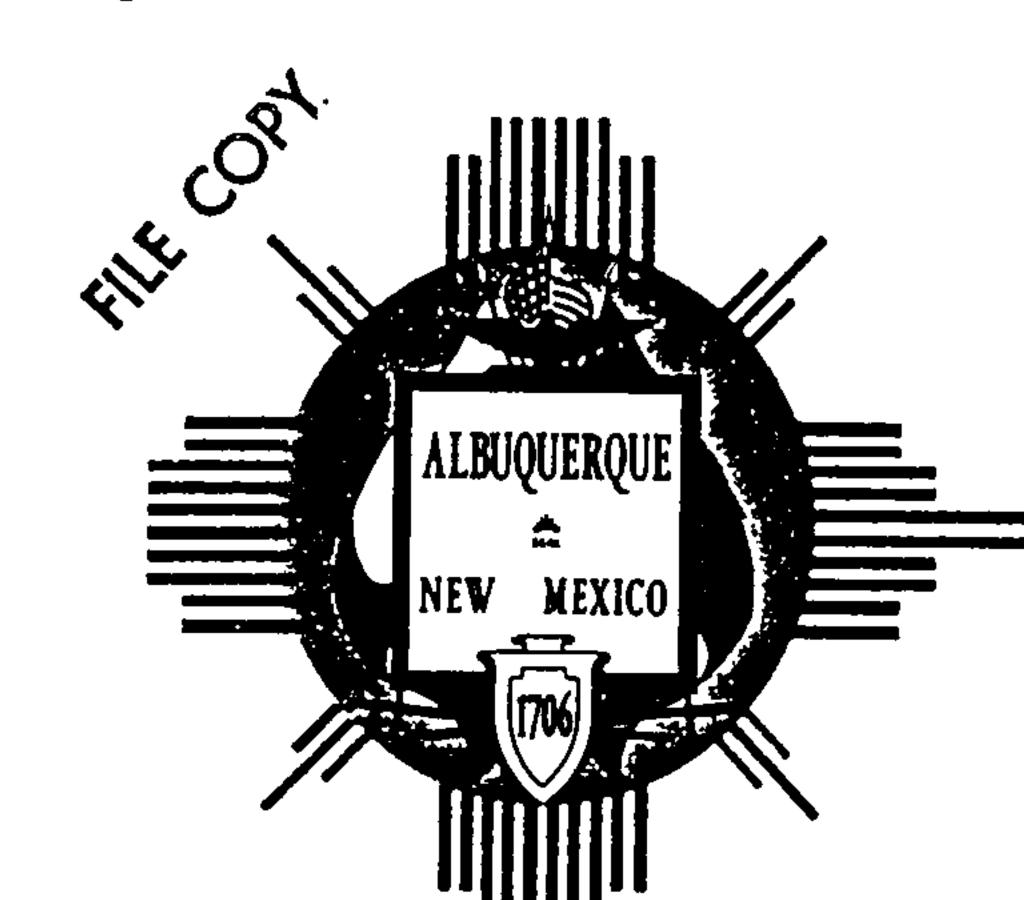
Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

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

Cordially,

Bernie J. Montoya, C.E. Engineering Assistant

BJM/bsj (WP+337)



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz Mayor

UTILITY DEVELOPMENT DIVISION HYDROLOGY SECTION (505) 768-2650

January 21, 1988

Chris Weiss, P.E.
Weiss-Hines Engineering, Inc.
1100 Alvarado, NE Suite B
Albuquerque, New Mexico 87110

RE: REVISED DRAINAGE PLAN FOR 3B WAREHOUSE

(J-13/D2A) REVISION DATE OF DECEMBER 24, 1987

Dear Mr. Weiss:

Based on the information provided on your resubmittal of January 14, 1988, revisions as indicated are acceptable. Please be advised that if the building permit has already been issued, you must provide the contractor with a copy of this approved plan..

Also, please advise your client that a separate permit is required for construction within City right-of-way.

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

Cordially,

Bernie J. Montoya, C.E. Engineering Assistant

xc: Becky Sandoval, Permits

BJM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

Drainage Summary

Project:

Ponderosa Products

Project Numbe: Date:

A03001 01/31/03

Ву:

Jeff Peterson

Site Location

Bellamah/18th Street NW - Old Town District

Precipitaion Zone

2 Per Table A-1 COA DPM Section 22.2

Existing site summary

Basin Name

Ex1

0.00

Soil Treatment (acres)

Area "A"

Area "B" 0.18 Area "C" 1.80

Area "D" 2.13

Excess Runoff (acre-feet)

100yr. 6hr.0.557510yr. 6hr.0.32012yr. 6hr.0.1630

100yr. 24hr. 0.6285

Peak Discharge (cfs)

100 yr. 16.07 10yr. 9.94 2yr. 5.06

Proposed site summary

Basin Name	Pro 1
Dasiii wame	PIO I

Soil Treatment (acres)

Area "A" 0.00
Area "B" 0.18
Area "C" 1.80
Area "D" 2.13

Excess Runoff (acre-feet)

100yr. 6hr.0.557510yr. 6hr.0.32012yr. 6hr.0.1630100yr. 24hr.0.6285

Peak Discharge (cfs)

100 yr.16.0710yr.9.942yr.5.06

AUN-OFF COEFFICIENT

Existing site:	Proposed Addition:
$\mathbf{Dool} \text{ Area} = 28.825 \text{ SF}$	Roof Area - 31,325 SF
Undeveloped Area = 92,438 SF	Undeveloped Area = 78,338 SF
Landscaped Area = 8,000 SF	Landscaped Area = 8,000 SF
Paved Area = 49,660 SF	Paved Area = 61,260 SF
	C, = 31,325(0.90) = 0.16
C, = 28,825(0.90) = 0.14	178,923
178,923	
10 0 000	$C_u = 78,338(0.40)$ = 0.18
	178,923
178,923	
C = 8.000(0.25) = 0.01	$C_1 = 8.000(0.25) = 0.01$
178 923	178,923
C = 49.880(0.95) = 0.28	$C_{\bullet} = 61.260(0.95) - 0.32$
178 923	178,923
Compact C - 0.62	Composte C = 0.67

Hain(all Intensity: $I = P_a(6.84)T^{0.51} = 4.68^{\circ}$ per house where $P_a = 2.3^{\circ}$ (DPM 22.2 D-1)

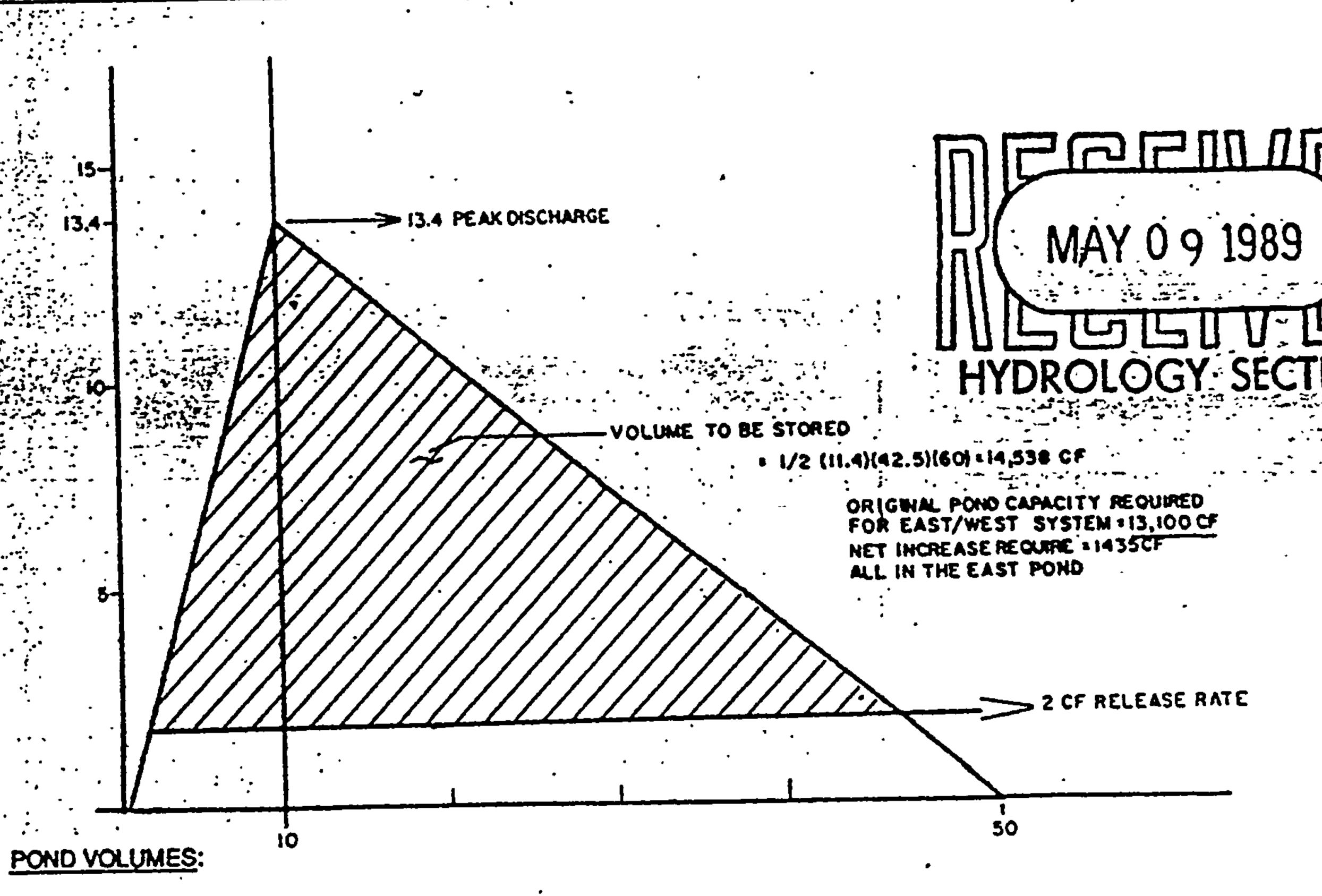
Existing Condition:

O(0) = (0.62)(4.86)(4.1)

= 12.4 cls

Proposed Addition: $Q_{100} = (0.67)(4.86)(4.1)$ = 13.4 cfs

HYDROGRAPH - TOTAL DEVELOPED SITE:



15,200 CF > Volume required of 14,500

MIN. DETENTION POND VOLUME USING EXCEL INPUT:

Q _{PIPE} (CFS)	2
E (IN)	1.63
Q _{p (CFS)}	16.07
A _{T (AC)}	4.11
A _{D(AC)}	2.13
t _{c(HR)}	0.2

OUTPUT:

 $t_{p(HR)}$ 0.230146 $t_{b(HR)}$ 0.748809 $D_{p(HR)}$ 0.129562

ΔQ(CFS/CFHR) 14.07 50652

X 0.201503Y 0.340675

REQ. V_{POND (CF)} 20290

Ponderosa Products

BPLW

Architects and Engineers

PROJECT Ponderosa Products

PROJECT NO. A03001

DATE 01/31/03

BY Jeff Peterson

DPM Section 22.2 - Hydrology

Part A-Watersheds less than 40 acres. January, 1993

INSTRUCTIONS

* Spread sheet requires three input areas (dark cells):

Location

>A.1 Precipitation Zone

>A.3 Land Treaments

- * Values from the tables are automatically placed using "if" statements.
- * Table values should be checked for correctness for each use.

SUMMARY

Location	Existing Conditions		
Precipitation	Zone	2	
Land Area		4.11	acres
Excess Prec	ipitation Volume		
	>>> 100-year 6-hour (design)	0.56	acre-ft.
	10-year 6-hour	0.32	acre-ft.
	2-year 6-hour	0.16	acre-ft.
	100-year 24-hour	0.63	acre-ft.
Peak Discha	rge Rates (DPM)		
	>>> Q100 (design)	16.07	cfs
	Q10	9.94	cfs
	Q2	5.06	cfs
Peak Discha	rge Rates (DPM-Rational Method)		
	>>> Q100 (design)	16.05	cfs
	Q10	9.92	cfs
	Q2	5.03	cfs

INPUT AND CALCULATIONS

LOCATION Existing Conditions		
>A.1 PRECIPITATION ZONE (from Table A-1)	2	
>A.2 DEPTHS	•···•·································	
(from Table A-2)		
100-YEAR STORM (P60)	2.01	inche
100-YEAR STORM (P360)	2.35	inche
100-YEAR STORM (P1440)	2.75	inches
10-YEAR (P360) (Calculated: P360*RPF10)	1.57	inches
2-YEAR (P360) (Calculated: P360*RPF2)	1.02	inches
>A.3 LAND TREATMENTS (Ai)	· · · · · · · · · · · · · · · · · · ·	
Treatment A	0.00	acres
Treatment B	0.18	acres
Treatment C	1.80	acres
Treatment D	2.13	acres
	4.11	acres
Total Area		
Total Area	========	

INPUT AND CALCULATIONS (CON'T)

0.53	inches
0.78	inches
1.13	inches
2.12	inches
1.63	inches
0.56	acre-ft.
84.70	ft^3
0.13	inches
0.10	inches
0.52	inches
1.34	inches
1.JT	HICHES
0.93	inches
0.32	acre-ft.
41.38	ft^3
0.00	inches
0.02	inches
0.15	inches
0.79	inches
0.48	inches
0.16	acre-ft.
01.37	ft^3
====	· · · · · · · · · · · · · · · · · · ·
0.63	acre-ft.
77.46	ft^3
====	

INPUT AND CALCULATIONS (CON'T)

>A.6 PEAK DISCHARGE RATE FOR	SMALL WATERSHEDS (Qi)	
from Table A-9)		
1	00-year		
Treatment A		1.56	cfs/acre
Treatment B		2.28	cfs/acre
Treatment C		3.14	cfs/acre
Treatment D		4.70	cfs/acre
	Q100 (Sum Qi*Ai)	16.07	cfs
·	10-year		
Treatment A		0.38	cfs/acre
Treatment B		0.95	cfs/acre
Treatment C		1.71	cfs/acre
Treatment D		3.14	cfs/acre
	Q10 (Sum Qi*Ai)	9.94	cfs
	2-year		
Treatment A		0.00	cfs/acre
Treatment B		0.08	cfs/acre
Treatment C		0.60	cfs/acre
Treatment D		1.86	cfs/acre
	Q2 (Sum Qi*Ai)	5.06	cfs
	===	======	

RATIONAL METHOD

PEAK INTENSITY (i	n/hr at tc=0.2 hour)		
	m Table A-10		
Pe	ak Intensity (I) 100-year	5.05	
Pe	ak Intensity (I) 10-year	3.41	
Pe	ak Intensity (I) 2-year	2.04	
DATIONAL METHOD	COEFFICIENT C		
RATIONAL METHOD	m Table A-11		
	100-year	· · · · · · · · · · · · · · · · · · ·	
Tre	eatment A	0.31	cfs/acre
	eatment B	0.45	cfs/acre
	eatment C	0.62	cfs/acre
	eatment D	0.93	cfs/acre
	Q100 (Sum Qi*I*Ai)	16.05	cfs
	==	======	
	10-year		_
Tre	eatment A	0.11	cfs/acre
	eatment B	0.28	cfs/acre
	eatment C	0.50	cfs/acre
Tre	eatment D	0.92	cfs/acre
	 040 (S 0:*!*A:)	0.02	o f o
	Q10 (Sum Qi*l*Ai) ==	9.92 ======	cfs
	2-year		
	eatment A	0.00	cfs/acre
	eatment B	0.04	cfs/acre
	eatment C	0.29	cfs/acre
Tre	eatment D	0.91	cfs/acre
	Q2 (Sum Qi*l*Ai)	5.03	cfs
	==	======	

BPLW

Architects and Engineers

PROJECT Ponderosa Products

PROJECT NO. A03001

DATE 01/31/03

BY Jeff Peterson

DPM Section 22.2 - Hydrology

Part A-Watersheds less than 40 acres. January, 1993

INSTRUCTIONS

* Spread sheet requires three input areas (dark cells):

Location

>A.1 Precipitation Zone

>A.3 Land Treaments

- * Values from the tables are automatically placed using "if" statements.
- * Table values should be checked for correctness for each use.

SUMMARY

Location	Proposed Conditions		
Precipitation Zone		2	
Land Area		4.11	acres
Excess Precipitati	on Volume		
>>>	100-year 6-hour (design)	0.56	acre-ft
	10-year 6-hour	0.32	acre-ft.
	2-year 6-hour	0.16	acre-ft.
	100-year 24-hour	0.63	acre-ft.
Peak Discharge R	ates (DPM)		
>>>	Q100 (design)	16.07	cfs
	Q10	9.94	cfs
	Q2	5.06	cfs
Peak Discharge R	ates (DPM-Rational Method)		
>>>	Q100 (design)	16.05	cfs
•	Q10	9.92	cfs
	Q2	5.03	cfs

INPUT AND CALCULATIONS

LOCATION Proposed Conditions		
>A.1 PRECIPITATION ZONE (from Table A-1)	2	
>A.2 DEPTHS		
(from Table A-2)		
100-YEAR STORM (P60)	2.01	inches
100-YEAR STORM (P360)	2.35	inches
100-YEAR STORM (P1440)	2.75	inches
10-YEAR (P360) (Calculated: P360*RPF10)	1.57	inches
2-YEAR (P360) (Calculated: P360*RPF2)	1.02	inches
	· • • • · · · · · · · · · · · · · · · ·	
>A.3 LAND TREATMENTS (Ai)		
Treatment A	0.00	acres
Treatment B	0.18	acres
Treatment C	1.80	acres
Treatment D	2.13	acres
Total Area	4.11	acres
	=======	-
>A.4 ABSTRACTIONS	See A.5	<u></u>

INPUT AND CALCULATIONS (CON'T)

SA E EVOECO DECUDITATION O LIQUE AND OA LIC	NID (E:)	
>A.5 EXCESS PRECIPITATION 6 HOUR AND 24 HOUR (Ei)		
from Table A-8		
100-year 6-hour	0.52	in ab a a
Treatment A	0.53	inches
Treatment B	0.78	inches
Treatment C	1.13	inches
Treatment D	2.12	inches
WEIGHTED E (Sum Ei*Ai/A)	1.63	inches
VOLUME V100:6h (E*A)	0.56	acre-ft.
	24,284.70	ft^3
	========	
10-year 6-hour		
Treatment A	0.13	inches
Treatment B	0.28	inches
Treatment C	0.52	inches
Treatment D	1.34	inches
WEIGHTED E (Sum Ei*Ai/A)	0.93	inches
VOLUME V10:6h (E*A)	0.32	acre-ft.
	13,941.38	ft^3
2-year 6-hour		· . · · · · · · · · · · · · · · · · · ·
Treatment A	0.00	inches
Treatment B	0.02	inches
Treatment C	0.15	inches
Treatment D	0.79	inches
WEIGHTED E (Sum Ei*Ai/A)	0.48	inches
VOLUME V2:6h (E*A)	0.16	acre-ft.
	7,101.37	ft^3
	=======	
100-year 24-hour		
VOLUME V100:24h		
(V100-6h+Ad*P1440-P360)/12)	0.63	acre-ft.
	27,377.46	ft^3
	========	

INPUT AND CALCULATIONS (CON'T)

>A.6 PEAK DISCHARGE RATE FOR SMALL WATERSH	IEDS (Qi)	
from Table A-9		
100-year		
Treatment A	1.56	cfs/acre
Treatment B	2.28	cfs/acre
Treatment C	3.14	cfs/acre
Treatment D	4.70	cfs/acre
Q100 (Sum Qi*Ai) ====:	16.07	cfs
10-year		
Treatment A	0.38	cfs/acre
Treatment B	0.95	cfs/acre
Treatment C	1.71	cfs/acre
Treatment D	3.14	cfs/acre
Q10 (Sum Qi*Ai)	9.94	cfs
2-year		······································
Treatment A	0.00	cfs/acre
Treatment B	0.08	cfs/acre
Treatment C	0.60	cfs/acre
Treatment D	1.86	cfs/acre
Q2 (Sum Qi*Ai)	5.06	cfs
	======	

RATIONAL METHOD

PEAK INTENSITY	(in/hr at tc=0.2 hour)		
	from Table A-10		
	Peak Intensity (I) 100-year	5.05	
	Peak Intensity (I) 10-year	3.41	
	Peak Intensity (I) 2-year	2.04	
RATIONAL METHO	D COEFFICIENT, C		
	from Table A-11		
	100-year		· · · · · - · · · · · · · · · · · · · ·
	Treatment A	0.31	cfs/acre
	Treatment B	0.45	cfs/acre
	Treatment C	0.62	cfs/acre
	Treatment D	0.93	cfs/acre
	Q100 (Sum Qi*l*Ai)	16.05	cfs
		========	
	10-year		
	Treatment A	0.11	cfs/acre
	Treatment B	0.28	cfs/acre
	Treatment C	0.50	cfs/acre
•	Treatment D	0.92	cfs/acre
	Q10 (Sum Qi*l*Ai)	9.92	cfs
	2-year		
	Treatment A	0.00	cfs/acre
	Treatment B	0.04	cfs/acre
	Treatment C	0.29	cfs/acre
	Treatment D	0.91	cfs/acre
	Q2 (Sum Qi*l*Ai)	5.03	cfs
	- · · · ·		

CITY OF ALBUQUERQUE " MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: 1/3 DATE: 7	-21-47
PLANNING DIVISION NOS: EPC: DRB:	
SUBJECT: PROME CONTROL / Winches	
STREET ADDRESS (IF KNOWN): 77 81	1/ Town
SUBDIVISION NAME: Cource of 1 - 11. mak 5	7 +4
APPROVAL REQUESTED:	
	AL PLAT
	LDING PERMIT
OTHERROL	GH GRADING
ATTENDANCE: Stro Clark Culs H M. A	NG
FINDINGS:	
Demen Man pan DPM	
(2) It company that a dotal.	pour -
marinele du all mainour aisea	
TA) +1000 - C - C - C - C - C - C - C - C - C	·0 (2 111
6) Stom Man Minner Con	
(G) 17100 Blevenent in 100.	Line Come Company
- PONOLINI.	
3) Eal rostin Dermel in me	retula.
al inductored le I and aver	
A Due to the Hat twind	
	
4) Site 11. me O.5 ctil Ac athen	in s engines
reed to adverture vinet	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
The undersigned agrees that the above findings are summarized are only subject to change if further investigation reveals reasonable or that they are based on inaccurate information.	that they are not
SIGNED: (L. L. H. Markette Signed: Si	A. L
TITLE: TITLE:	
DATE: 7-2/-/ DATE: 7-2/-	
NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAG	SE SUBMITTAL