

Public Works Department January 16, 1997

Martin J. Chávez, Mayor

Robert E. Gurulé, Director

Mark Goodwin & Assoc. P.O. Box 90606
Albuquerque, NM 87199

RE: POMPEO WAREHOUSE (C18-D31). GRADING AND DRAINAGE PLAN FOR BUILDING AND GRADING PERMIT APPROVALS. ENGINEER'S STAMP DATED JANUARY 8, 1997.

Dear Mr. Goodwin:

Based on the information provided on your January 8, 1997 submittal, the above referenced project is approved for Building Permit. This project will require DRB and Work Order approval. Be certain to include the 10-feet of RCP and 4-foot diameter manhole on the infrastructure list.

An Engineer's Certification will be required prior to Certificate of Occupancy.

If I can be of further assistance, please feel free to contact me at 924-3984.

Singerely

Lisa Ann Manwill

Engineering Assoc./Hyd.

c: Andrew Garcia



DRAINAGE INFORMATION SHEET

PROJECT TITLE:	Pompeo Warehouse		ZONE ATLA	S/DRNG,FILE#:	C-18/2
DRB #:	EPC #:	W(ORK ORDER #:		
LEGAL DESCRIPTIO	N: Lot 5, Block 30, Tract A o	of Unit B, NA	Δ		
CITY ADDRESS:		,,			
ENGINEERING FIRM ADDRESS:	Mark Goodwin & Associates P PO Box 90606	A		Roger Martinez. 345-2010	Jr.
OWNER:	peo			Steve Schaefer	
ADDRESS:	319 Central NE			247-9955	
•	Van H. Gilbert Architects			Steve Schaefer	
ADDRESS:	319 Central NE	<u> </u>	PHONE:		
SURVEYOR:			CONTACT:		
ADDRESS:		·			
CONTRACTOR					
DRAINAG CONCEPT RADING EROSION	E REPORT E PLAN UAL GRADING & DRAINAGE PLAN	Sk	DEV. PLAN FOECTOR PLAN AI	PPROVAL AT APPROVAL R SUB'D APPROVA R BLDG PERMIT A PPROVAL ROVAL RMIT APPROVAL	
PRE-DESIGN MEETIN	NG:			OF OCCUPANCY A	PPROVAL
YES			RADING PERMI	TAPPROVAL	
NO		P	AVING PERMIT	APPROVAL	
COPY PRO	DVIDED	S.	A.D. DRAINAG	E REPORT	
		D	RAINAGE REQU	IREMENTS	
		O	THER	<u></u>	(Specify)
DATE SUBMITTED: BY: Roger Ma	1/8/97 1/25 50. Intinez, Jr.		HYDROLOG	8 1997 Y DIVISION	

January 3, 1997

Ms Lisa Manwill
Hydrology
City Of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: POMPEO WAREHOUSE C-18/D31

Dear Ms Manwill,

The intent of this letter is to respond to your comments outlined in your letter dated December 30, 1996. Attached, please find the revised grading and drainage plan for the above referenced project.

- 1. Contours have been drawn on plans that show ponding areas.
- 2. This item is being coordinated and an infrastructure list has been attached.
- 3. Invert elevation has been provided.
- 4. The storm inlet/reducer reference has been added to keyed notes 1 & 2.
- 5. The drainage management plan for this site has been divided down the center into two basins. Basin A is the eastern half and Basin B is the western half with the developed flows draining northward towards Signal Avenue. The storm water is collected into type single "D" inlets with a 4" x 6" reducer on the attached pipe. The flows are combined and then discharged to the existing 30" storm drain pipe in Signal Avenue. The discharged storm water from this site is in compliance with the Signal Hill Master Drainage Plan for interim conditions.

If you have any questions concerning this project or the letter, please contact me at 345-2010.

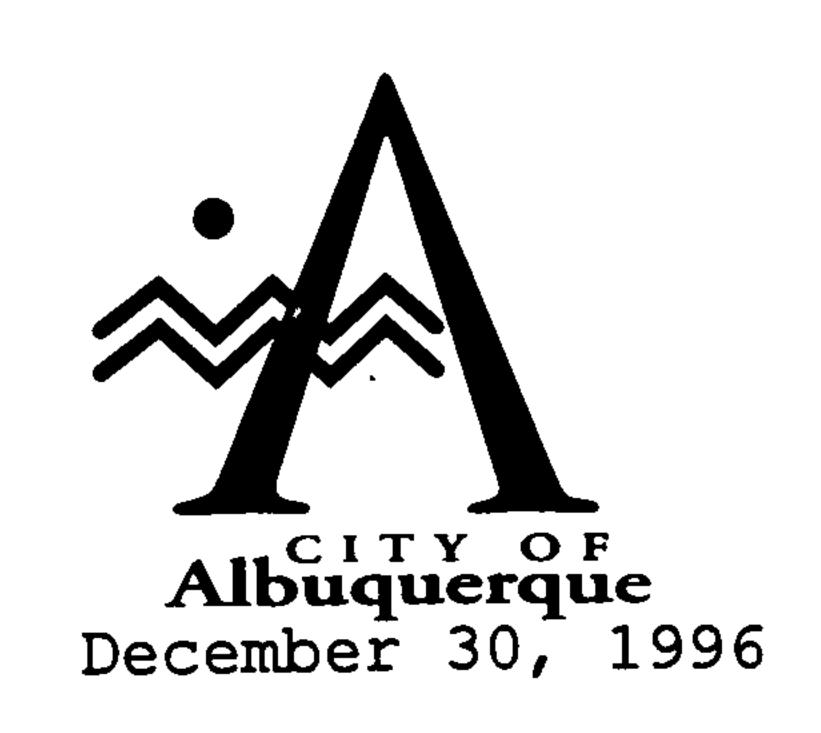
Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.

Roger Martines,

Attachments

JAN - 8 1997
HYDROLOGY



Martin J. Chávez, Mayor

Roger Martinez, Jr.
Mark Goodwin & Assoc.
P.O. Box 90606
Albuquerque, NM 87199

RE: POMPEO WAREHOUSE (C18-D31). GRADING AND DRAINAGE PLAN FOR BUILDING AND GRADING PERMIT APPROVALS. ENGINEER'S STAMP DATED DECEMBER 19, 1996.

Dear Mr. Martinez:

Based on the information provided on your December 19, 1996 submittal, City Hydrology has the following comments:

- 1. Indicate ponds by showing proposed contours.
- 2. This project will require Work Order approval. Why are you seeking a SO #19 Permit? Provide a copy of the infrastructure list.
- 3. Provide the invert elevation for the manhole in Signal.
- 4. Reference storm inlet/reducer detail in keyed notes 1 and 2.
- 5. A brief drainage management plan narritive would be helpful.

If I can be of further assistance, please feel free to contact me at 768-3622.

1.30/h

Lisa Ann Manwill

Engineering Assoc./Hyd.

c: Andrew Garcia File



DRAINAGE INFORMATION SHEET

PROJECT TITLE:	Pompeo Warehouse		ZONE ATLAS/DRNG,FILE#:	C-18	
DRB #:	EPC #:		WORK ORDER #:		
LEGAL DESCRIPTION	Lot 5, Block 30, Tract A o	of Unit B,			
CITY ADDRESS:				<u> </u>	
ENGINEERING FIRM:	Mark Goodwin & Associates P	'A	CONTACT: Roger Martinez.	Jr.	
ADDRESS:	PO Box 90606		PHONE: 345-2010		
OWNER: Pompo	eo		CONTACT: Steve Schaefer		
ADDRESS:	319 Central NE		PHONE: 247-9955		
ARCHITECT:	an H. Gilbert Architects		CONTACT: Steve Schaefer		
ADDRESS:	319 Central NE		PHONE: 247-9955 .	•	
SURVEYOR:			CONTACT:		
ADDRESS:			PHONE:		
CONTRACTOR:			CONTACT:		
ADDRESS: _		_	PHONE:		
TYPE OF SUBMITTAL	•	CHECK	TYPE OF APPROVAL SOUGHT:		
DRAINAGE	REPORT		SKETCH PLAT APPROVAL		
X DRAINAGE	PLAN		PRELIMINARY PLAT APPROVAL		
	JAL GRADING & DRAINAGE PLAN		S. DEV. PLAN FOR SUB'D APPROV.	AL	
N GRADING F	PLAN	 	S. DEV. PLAN FOR BLDG PERMIT A	PPROVAL	
EROSION C	ONTROL PLAN		SECTOR PLAN APPROVAL		
ENGINEER'	S CERTIFICATION		FINAL PLAT APPROVAL		
OTHER			FOUNDATION PERMIT APPROVAL		
		<u>X</u>	BUILDING PERMIT APPROVAL		
PRE-DESIGN MEETING	G:		CERTIFICATION OF OCCUPANCY A	PPROVAL	
YES		<u>X</u>	GRADING PERMIT APPROVAL		
NO			PAVING PERMIT APPROVAL		
COPY PRO	VIDED		S.A.D. DRAINAGE REPORT		
			DRAINAGE REQUIREMENTS		
			OTHER	(Specify)	
DATE SUBMITTED: _	17 DEC 96				
			1 DEC 1 9		
BY:	<u>/</u>	_			
Roger Mar	tinez. Jr.		DICCI.		



D. Mark Goodwin & Associates, P.A. Consulting Engineers and Surveyors

P.O. BOX 90606, ALBUQUERQUE, NM 87199 (505) 345-2010

December 17, 1996

Ms Lisa Manwill
Hydrology
City Of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: POMPEO WAREHOUSE C-18/D31

Dear Ms Manwill,

The intent of this letter is to respond to your comments outlined in your letter dated November 19, 1996. Attached, please find the revised grading and drainage plan for the above referenced project.

- /1. The drainage basins have been outlined along the property boundaries for clarification.
 - 2. The ponds are located on the northern most portion of the parking lot adjacent to the entrances. The storm inlets are centrally located within the ponds.
- 3. The construction of Signal Avenue has not been determined and may be constructed prior to the commencement of this project.

 Therefore requiring a SO #19 permit. 25 Street made do to
- 4. Please see attached sheets and notes in legend.
- 5. See revised plan.
- 6. Please see attached sheets and notes in legend.

If you have any questions concerning this project or the letter, please contact me at 345-2010.

Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.

Roger Martinez,

Attachments

Personal de de la companya della com

Shilling

<u>M</u>	D. Mark Goodwin & Associates, P.A. Consulting Engineers and Surveyors

PROJECT POMPE	O CLAZEHOUSE
SUBJECT DEAM	
BY &W	DATE 12/16096
CHECKED	DATE
	SHEET_/_OF_Z_

AIREA = 0.8864 ACRES = 0.00/385 5Q. MILES

ALLOWABLE DISCHARGE PER SEMAL HILL SUBDIVISION DRAINAGE REPORT.

REPORT SETS DISCHARGE RATE FOR AREA

Q=1.41cSs/ACRE

POMPEU SITE PLLOWABLE DISCHARGE

Q = 1.25055

FROM AHXMO RESULTS

BASINA

A=0.443Z Acces = 0.000692550, MILES

Q=0.68css MAXIMUM WATER SURFACE ELEVATION= 4785

POND IN BASIN ELEVATION AREA	VOL(ft^3) STORAGE	OUTFLOW ORIFICE	OZIFICE EQUATION
45.30 16.0	0	0.00 4"	
	40 0.000918	•	$=0.65*(1+1^2)*2a$
47.80 16.0	0	0.67	7 - 0000 MILLION) 123
	159.1 0.003652		And the state of t
48.00 1575.0	0	0.70	
	4747.5 0.108987		
49.00 7920.0	0	0.83	
	4906.6 0.112640		n

BASIN B A=0.4437 Acis = 0.000 6925 sa. MIES Q=0.72 cfs MAXIMUM WATER SURFACE ELEN = 4734

POND IN BASIN B
ELEVATION AREA VOL(ft^3) STORAGE DUTFLOW ORIFICE
44.50 16.00 0.00 4"

40 0.000918

47.00 16.00 0.67

3248 0.074563

48.00 6480.00 0.81

Q=1390fs

DECUMULATIVE DISCHARGE FROM SITE! DEC

<u>M</u>	D. Mark Goodwin & Associates, P.A. Consulting Engineers and Surveyors

PROJECT_ SUBJECT_		JAZIN BINDAGE	0156	
BY	July 1		TE	
CHECKED_		DA	TE	
	•	SHFFT	2 OF	2

PIPE SIZING	i ILIZING	FLOW	EQUATION	Q=K/N+A+Rhi	s ½	125/2/3
PIPE SIZE	# N #	SLOPE	AREA	HYD. RAD. 6	(cfs)	
6.00 "	0.011	0.02	0.20	,0.25	0.94	
18.00"	0.013	0.01	1.77	0.52	10.53	

K=1.49

BASIN A & B

PIPE FROM STORM INCET TO M.H.

6" Q=0.94cfs > Q=0.68efs

Q=0.94cfs > Q=0.72cfs

PIPE CONTAINS CARACITY TO CONVEY DEVELOPED FLOW

for 6" pripe 0 2.6%

Q=1A9 (.2) (.25)^{2/3} (.0026)^{1/2}

Q=1.009 cps.

Unlass when our John Control in Solow of the 25 cho.

POMPEO.DAT

START

TIME=0.0

***** HYDROGRAPH FOR POMPEO WAREHOUSE ON SIGNAL AVENUE BETWEEN

**** LOUISIANA AND SAN PEDRO.

RAINFALL

TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.14 IN RAIN SIX=2.60 IN

RAIN DAY=3.10 IN DT=0.03333 HR

*HYDROGRAPH FOR ON-SITE BASIN

*EXISTING CONDITIONS

COMPUTE NM HYD

ID=1 HYD NO=101.1 AREA=0.001385 SQ MI

PER A=100.00 PER B=0.00 PER C=0.00 PER D=0.00

TP=0.1333 HR MASS RAINFALL=-1

PRINT HYD

ID=1 CODE=1

*PROPOSED CONDITONS

*BASIN A

COMPUTE NM HYD

ID=2 HYD NO=101.2 AREA=0.0006925 SQ MI

PER A=0.00 PER B=0.00 PER C=15.00 PER D=85.00

TP=0.1333 HR MASS RAINFALL=-1

PRINT HYD

ID=2 CODE=1

*RESERVOIR ROUTE OUT OF BASIN A

*DISCHARGE VIA A 6" PIPE TO A 6" PIPE IN BASIN A

ROUTE RESERVOIR ID=3 HYD NO=101.3 INFLOW ID=2 CODE=24

OUTFLOW (CFS)	STORAGE (AC-FT)	ELEVATION(FT)
0.00	0.00000	45.30
0.67	0.004570	47.80
0.70	0.108987	48.00
0.83	0.112640	49.00

PRINT HYD ID=3 CODE=1

*BASIN B

COMPUTE NM HYD

ID=4 HYD NO=101.4 AREA=0.0006925 SQ MI

PER A=0.00 PER B=0.00 PER C=15.00 PER D=85.00

TP=0.1333 HR MASS RAINFALL=-1

POMPEO.DAT

PRINT HYD

ID=4 CODE=1

*RESERVOIR ROUTE OUT OF POND IN PARKING LOT

*DISCHARGE VIA A 6" PVC PIPE TO STORM DRAIN IN SIGNAL

ROUTE RESERVOIR ID=5 HYD NO=101.5 INFLOW ID=4 CODE=24

OUTFLOW (CFS) STORAGE(AC-FT) ELEVATION(FT)
0.00 0.000000 44.50
0.67 0.000918 47.00
0.81 0.074563 48.00

PRINT HYD ID=5 CODE=1

*ADD HYDROGRAPHS FROM POND IN BASIN A AND BASIN B

ADD HYD

ID=6 HYD NO=101.6 ID=3 ID=5

PRINT HYD

ID=6 CODE=1

FINISH

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AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994

RUN DATE (MON/DAY/YR) = 11/12/1996

START TIME (HR:MIN:SEC) = 10:10:47 USER NO.= M_GOODWN.IO1

INPUT FILE = POMPEO.DAT

START

TIME=0.0

***** HYDROGRAPH FOR POMPEO WAREHOUSE ON SIGNAL AVENUE BETWEEN

***** LOUISIANA AND SAN PEDRO.

RAINFALL

TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=2.14 IN RAIN SIX=2.60 IN

RAIN DAY=3.10 IN DT=0.03333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.

DT	=	.033330 Н	OURS	END T	IME =	5.9994	00 HOURS
	.0000	.0027	.0055	.0084	.0113	.0143	.0173
	.0204	.0236	.0269	.0302	.0337	.0372	.0408
	.0445	.0484	.0523	.0564	.0606	.0649	.0694
	.0741	.0789	.0839	.0892	.0946	.1003	.1063
	.1126	.1192	.1262	.1322	.1385	.1452	.1597
	.1922	. 2422	.3139	.4119	.5407	.7049	.9093
•	1.1588	1.3904	1.4871	1.5687	1.6414	1.7074	1.7683
•	1.8247	1.8775	1.9270	1.9735	2.0174	2.0589	2.0982
•	2.1354	2.1707	2.2041	2.2359	2.2661	2.2737	2.2807

2.2875	2.2939	2.3001	2.3060	2.3117	2.3172	2.3226
2.3277	2.3328	2.3376	2.3423	2.3470	2.3514	2.3558
2.3601	2.3643	2.3683	2.3723	2.3762	2.3801	2.3838
2.3875	2.3911	2.3947	2.3982	2.4016	2.4050	2.4083
2.4115	2.4147	2.4179	2.4210	2.4241	2.4271	2.4301
2.4330	2.4359	2.4388	2.4416	2.4444	2.4472	2.4499
2.4526	2.4553	2.4579	2.4605	2.4631	2.4656	2.4681
2.4706	2.4731	2.4755	2.4779	2.4803	2.4827	2.4850
2.4873	2.4896	2.4919	2.4942	2.4964	2.4986	2.5008
2.5030	2.5052	2.5073	2.5094	2.5115	2.5136	2.5157
2.5177	2.5198	2.5218	2.5238	2.5258	2.5277	2.5297
2.5317	2.5336	2.5355	2.5374	2.5393	2.5412	2.5430
2.5449	2.5467	2.5486	2.5504	2.5522	2.5540	2.5557
2.5575	2.5593	2.5610	2.5627	2.5645	2.5662	2.5679
2.5696	2.5713	2.5729	2.5746	2.5762	2.5779	2.5795
2.5811	2.5828	2.5844	2.5860	2.5876	2.5891	2.5907
2.5923	2.5938	2.5954	2.5969	2.5984	2.6000	

*HYDROGRAPH FOR ON-SITE BASIN

*EXISTING CONDITIONS

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.001385 SQ MI

PER A=100.00 PER B=0.00 PER C=0.00 PER D=0.00

A-39010 FTZ

TP=0.1333 HR MASS RAINFALL=-1

K = .158399HR TP = .133300HR K/TP RATIO = 1.188293 SHA PE CONSTANT, N = 2.988024

UNIT PEAK = 2.9180 CFS UNIT VOLUME = .9947 B = 280.

84 P60 = 2.1400

AREA = .001385 SQ MI IA = .65000 INCHES INF = 1.67000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
T = .033330

PRINT HYD

ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = .65514 INCHES = .0484 ACRE-FEET

PEAK DISCHARGE RATE = 1.67-CFS AT 1.533 HOURS BASIN AREA = .0014 SQ. MI.

*PROPOSED CONDITONS

*BASIN A

PER A=0.00 PER B=0.00 PER C=15.00 PER D=85.00

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA

PE CONSTANT, N = 7.106420

UNIT PEAK = 2.3239 CFS UNIT VOLUME = .9941 B = 526.

28 P60 = 2.1400

AREA = .000589 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D T = .033330

K = .108912HR TP = .133300HR K/TP RATIO = .817047 SHA

PE CONSTANT, N = 4.373949

UNIT PEAK = .29563 CFS UNIT VOLUME = .9556 B = 379.

38 P60 = 2.1400

AREA = .000104 SQ MI IA = .35000 INCHES INF = .83000

INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D T = .033330

PRINT HYD

ID=2 CODE=1

PARTIAL HYDROGRAPH 101.20

RUNOFF VOLUME = 2.19549 INCHES = .0811 ACRE-FEET

PEAK DISCHARGE RATE = 2.14 CFS AT 1.500 HOURS BASIN AREA = .0007 SQ. MI.

*RESERVOIR ROUTE OUT OF BASIN A

*DISCHARGE VIA A 6" PIPE TO A 6" PIPE IN BASIN A

ROUTE RESERVOIR ID=3 HYD NO=101.3 INFLOW ID=2 CODE=24

OUTFLOW (CFS)	STORAGE (AC-FT)	ELEVATION (FT)
0.00	0.00000	45.30
0.67	0.004570	47.80
0.70	0.108987	48.00
0.83	0.112640	49.00

POMPEO.OUT

* * * * * * * * * * * * * * *

	TIME	INFLOW	ELEV	VOLUME	OUTFLOW	
	(HRS)	(CFS)	(FEET)	(AC-FT)	(CFS)	
						ΛΙ
	.00	.00	45.30	.000	.00	Joan Cel
	.80	.00	45.30	.000	.00	ato Com
	1.60	1.48	47.84	.023	.68	
	2.40	.08	47.82	.014	.67	me and in
	3.20	.02	45.39	.000	.02	19th Description
	4.00	.02	45.36	.000	.02	· These Main
	4.80	.02	45.36	.000	.02	Winn of the way
	5.60	.02	45.36	.000	.02	$\mathcal{L}_{\mathcal{L}}}}}}}}}}$
	6.40	.00	45.31	.000	.00	Who who will
	PEAK DISCHA	RGE =	.677 C	FS - PEAK (OCCURS AT HOU	UR 1.87 10 1 1
	MAXIMUM WAT	ER SURFACE	ELEVATION	= 4'	7.847	is put
	MAXIMUM STO	RAGE =	.0292	AC-FT	INCREMENTAL	L TIME= .033330
S						The source

HRS

PRINT HYD

ID=3 CODE=1

PARTIAL HYDROGRAPH 101.30

RUNOFF VOLUME = 2.19509 INCHES = .0811 ACRE-FEET

PEAK DISCHARGE RATE = .68 CFS AT 1.866 HOURS BASIN AREA = .0007 SQ. MI.

*BASIN B

COMPUTE NM HYD

ID=4 HYD NO=101.4 AREA=0.0006925 SQ MI

PER A=0.00 PER B=0.00 PER C=15.00 PER D=85.00

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA PE CONSTANT, N = 7.106420

UNIT PEAK = 2.3239 CFS UNIT VOLUME = .9941 B = 526.

P60 = 2.1400

AREA = .000589 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
T = .033330

K = .108912HR TP = .133300HR K/TP RATIO = .817047 SHA PE CONSTANT, N = 4.373949

UNIT PEAK = .29563 CFS UNIT VOLUME = .9556 B = 379.

P60 = 2.1400

AREA = .000104 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D T = .0333330

PRINT HYD ID=4 CODE=1

PARTIAL HYDROGRAPH 101.40

RUNOFF VOLUME = 2.19549 INCHES = .0811 ACRE-FEET

PEAK DISCHARGE RATE = 2.14-CFS AT 1.500 HOURS BASIN AREA = .0007 SQ. MI.

*RESERVOIR ROUTE OUT OF POND IN PARKING LOT

*DISCHARGE VIA A 6" PVC PIPE TO STORM DRAIN IN SIGNAL

ROUTE RESERVOIR ID=5 HYD NO=101.5 INFLOW ID=4 CODE=24

OUTFLOW (CFS)	STORAGE (AC-FT)	ELEVATION(FT)
0.00	0.00000	44.50
0.67	0.000918	47.00
0.81	0.074563	48.00

* * * * * * * * * * * *

TIME	INFLOW	ELEV	VOLUME	OUTFLOW
(HRS)	(CFS)	(FEET)	(AC-FT)	(CFS)
.00	.00	44.50	.000	.00
.80	.00	44.50	.000	.00
1.60	1.48	47.27	.021	.71
2.40	.08	47.11	.009	.69
3.20	.02	44.59	.000	.02
4.00	.02	44.56	.000	.02
4.80	.02	44.56	.000	.02
5.60	.02	44.56	.000	.02
6.40	.00	44.51	.000	.00

PEAK DISCHARGE = .718 CFS - PEAK OCCURS AT HOUR 1.83

MAXIMUM WATER SURFACE ELEVATION = 47.339

MAXIMUM STORAGE = .0259 AC-FT INCREMENTAL TIME= .0333330

HRS

PRINT HYD ID=5 CODE=1

PARTIAL HYDROGRAPH 101.50

RUNOFF VOLUME = 2.19509 INCHES = .0811 ACRE-FEET

PEAK DISCHARGE RATE = .72 CFS AT 1.833 HOURS BASIN AREA = .0007 SQ. MI.

*ADD HYDROGRAPHS FROM POND IN BASIN A AND BASIN B

ADD HYD ID=6 HYD NO=101.6 ID=3 ID=5

PRINT HYD ID=6 CODE=1

PARTIAL HYDROGRAPH 101.60

RUNOFF VOLUME = 2.19499 INCHES = .1621 ACRE-FEET

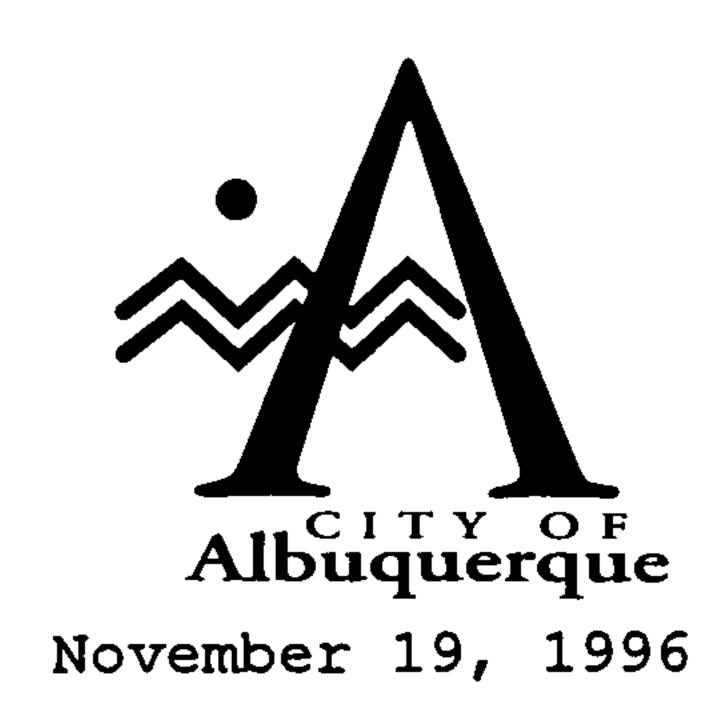
PEAK DISCHARGE RATE = 1.39 CFS AT 1.833 HOURS BASIN AREA = .0014 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 10:10:49

TOTAL	3 195.578	354.4	276.4					 				
				 				 				
010D	20.224	36.6	28.5				_	<u> </u>				
010C	25.792	46.7	36.4		<u> </u>							
010A 010B	18.432	33.4	26.1									
010A	27.58	50	39.0					<u></u>				
09D	15.04	27.2	21.2								·	
09B 09C	10.752	19.5	15.2				1					
09A 09B	8.192	14.8	11.5	<u> </u>			-					
08D	9.024	16.4		<u></u>			1					
D8C	3.52 8.96	16.2	12.6									
)8B		6.4	5.0	<u></u>								
)8A	1.79	3.3	2.6					i — i		<u> </u>		
)7D	6.336	11.5	9.0		195.578	асге	=	1.4	1 CFS/A	JKE		
)7C	10.304	18.7	14.6		276.4	cfs			4		¥.	
)7B	14.4	26.1	20.4							<u> </u>		
)7A	8.256	15	11.7									<u></u>
	(acres) 6.976	12.6	9.8						<u> </u>			
	AREA	<u> </u>	cfs)									
ASINS	BASIN	Q100 C	IVERTED	TO STORM	I DRAIN							
		0400	2100 SD									<u> </u>
		capacity of 1	60cts was	reached at	Allalysis			<u> </u>				
		diverted was capacity of 1	the same t	or each ba	Analysis P	oint 10	at E	agel Ro	ck and Sa	n Pedro	Blvd.	
	· · · · · · · · · · · · · · · · · · ·	modeling the the runoff ge diverted was										
		to develop be modeling the	existing, or	r 'Historic' (conditions	ed to t	he s	torm drai	n. The p	ercent		
				au thaca t	racine are	auucu	ally	1001041 -	- F F F F			
			taraban din n	anacity is 2	ccomplish	ea by L	IIIIZI	routed s	ppproxim	atelv		
	b)	HYDROLOG	C RATING				.4:1::	na tha Al	HYMO nr	ogram		
		•										<u></u>
		The capacity	was determ	nined to be	160cfs at	Eagle F	Rock	ave.	<u> </u>			<u> </u>
	<u></u>	Judraulic can	acity was d	letermined	by the Sor	ora Su	bdiv	ision Dra	inage Re	port.		
		HYDRAULIC	CAPACITY						 _			
applying	capacity to	contributing b	- OII ai	- Cqua. Das								
owable d	ischarge rate	e determined	by a) deter	naming bas	is							·
		1		•	1	,			capacity a	nd		<u>.</u>
TERMIN	E ALLOWA	BLE DISCH	ARGE RAT	E FOR IN	EKIM CO	101110						
· · · · · · · · · · · · · · · · · ·						IDITIO	NIC		<u> </u>	- 		<u> </u>
E-ISONO	RAW\HYD\HYD	RO.XLS		AV	1D JN 6022.4	3	+			<u> </u>		<u></u> _
OWAR	FINTERIM	DISCHARG	ERATE						1011550			
MAL HIL	L SUBDIVI	SION							9/16/1996	<u> </u>		

- Signal Hill Ming Bort



Martin J. Chávez, Mayor

Roger Martinez, Jr.
Mark Goodwin & Assoc.
P.O. Box 90606
Albuquerque, NM 87199

RE: POMPEO WAREHOUSE (C18-D31). GRADING AND DRAINAGE PLAN FOR BUILDING AND GRADING PERMIT APPROVALS. ENGINEER'S STAMP DATED NOVEMBER 14, 1996.

Dear Mr. Martinez:

Based on the information provided on your November 18, 1996 submittal, City Hydrology has the following comments:

- 1. I see a drainage basin boundary line running through the middle of the project. Show north, south, etc. drainage basin boundaries.
- 2. Where are the ponds? I see calculations, but no proposed contours to indicate ponds.
- 3. This project will require DRC and Work Order approval. Why are you seeking a SO #19 Permit?
- 4. Summarize existing and developed flow conditions. Provide copies of applicable documentation from the Signal Hill Subdivision Drainage Report to confirm your proposed discharge rate.
- 5. Label the size and type of existing storm sewer in Signal Ave.
- 6. Provide pipe capacity calculations for the entire on-site storm drainage system.

If I can be of further assistance, please feel free to contact me at 768-3622.

Sinderely,

Engineering Assoc./Hyd.

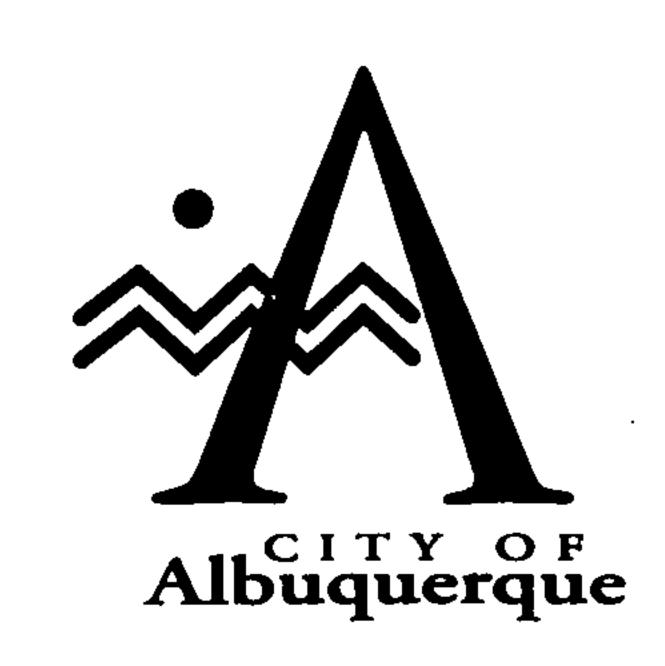
c: Andrew Garcia (File)

Good for You, Albuquerque!



DRAINAGE INFORMATION SHEET

PROJECT TITLE:	Pompeo Warehouse		ZONE ATLA	S/DRNG,FILE#:	. C-18/4
DRB #:	EPC #:		WORK ORDER #:	. <u> </u>	
LEGAL DESCRIPTION	Lot 5, Block 30, Tract A	of Unit B, N	IAA		
CITY ADDRESS:				<u> </u>	<u> </u>
ENGINEERING FIRM:	Mark Goodwin & Associates F	'A	CONTACT:	Roger Martinez.	Jr.
ADDRESS:	PO Box 90606	<u> </u>	PHONE:	345-2()1()	
OWNER: Pompe	2()		CONTACT:	Steve Schaefer	······································
ADDRESS:	319 Central NE		PHONE:	247-9955	
ARCHITECT: Vi	in H. Gilbert Architects		CONTACT:	Steve Schaefer	
ADDRESS:	319 Central NE		PHONE:	247-9955	
SURVEYOR:	- 		CONTACT:		·— · · · · · · · · · · · · · · · · · ·
ADDRESS:		<u> </u>	PHONE:		
CONTRACTOR:		<u>, , , , , , , ,</u>	CONTACT:		,
ADDRESS:			PHONE:		
GRADING P EROSION C	PLAN AL GRADING & DRAINAGE PLAN	<u>X</u>	SKETCH PLAT APPRELIMINARY PLATS. DEV. PLAN FOR SECTOR PLAN APPRECIATION PER BUILDING PERMIT	AT APPROVAL R SUB'D APPROV R BLDG PERMIT A PROVAL ROVAL RMIT APPROVAL	APPROVAL
PRE-DESIGN MEETING	G: ,		CERTIFICATION C	OF OCCUPANCY A	APPROVAL
YES		<u>X</u>	GRADING PERMIT	APPROVAL	
NO			PAVING PERMIT	APPROVAL	
COPY PROV	VIDED		S.A.D. DRAINAGE	EREPORT	
			DRAINAGE REQU	IREMENTS	
			OTHER	<u> </u>	(Specify)
DATE SUBMITTED:	18 Nov 96 15 Jo.			(· 8	



P.O. Box 1293 Albuquerque, NM 87103

August 20, 1996

Martin J. Chávez, Mayor

Mark Goodwin, PE Mark Goodwin & Assoc. P.O. Box 90606 Albuquerque, NM 87109

RE:

GRADING & DRAINAGE PLAN FOR POMPEO WAREHOUSE (C-18/D31) RECEIVED AUGUST 2, 1996 FOR GRADING & BUILDING PERMIT ENGINEER'S STAMP DATED 7/31/96

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology has the following comments that must be addressed:

A Site Plan is required for this property. Include a copy of the proposed infrastructure list with the next submittal. What width street is Transportation requiring for Signal? Indicate whether the site is in a 100 year floodplain or not. Why don't off-site flows impact the site?

This site must discharge to the storm drain in Signal instead of to the street. Discharge to the storm drain must be pro-rated to the capacity of the storm drain. Rick Beltramo is preparing a drainage report for Sonora West (C-18/D10) which includes a master plan of this area.

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

Sincerely,

John P. Curtin, P.E.

Civil Engineer, Hydrology

c: Andrew Garcia

Fred Aguirre, DRB ???

Steve Schaefer, 319 Central NE, 87102

Good for You, Albuquerque!



DRAINAGE INFORMATION SHEET

PROJECT TITLE:	Pompeo Warehouse		ZONE ATLA	S/DRNG,FILE#:	C-18/4			
DRB #:	EPC #:	WO	RK ORDER #:	-·				
LEGAL DESCRIPTION	Lat 5 Blook 30 Tract A	of Unit B, NAA	<u> </u>					
CITY ADDRESS: _								
ENICINIEEDINIC EIDN	Mark Goodwin & Associates I	PA	CONTACT.	Roger Martinez	Tr			
ENGINEERING FIRM	PO Box 90606			Roger Martinez, Jr. 345-2010				
ADDRESS: OWNER: Pon	npeo	<u> </u>	PHONE:	Steve Schaefer				
ADDRESS:	319 Central NE		-	247-9955				
	Van H. Gilbert Architects			Steve Schaefer				
ADDRESS:	319 Central NE			247-9955				
SURVEYOR:			CONTACT:					
ADDRESS:			_	·				
ADDRESS:				· · · · · · · · · · · · · · · ·				
TYPE OF SUBMITT	AL:	CHECK TYPE	OF APPROVA	L SOUGHT:				
DRAINAC	SE REPORT	SK	ETCH PLAT AP	PROVAL				
X DRAINAC		PRI	PRELIMINARY PLAT APPROVAL					
	TUAL GRADING & DRAINAGE PLAN	S.	S. DEV. PLAN FOR SUB'D APPROVAL					
X GRADING	3 PLAN	S.	PPROVAL					
	I CONTROL PLAN	SE	CTOR PLAN AF	PROVAL				
ENGINEE	R'S CERTIFICATION	FIN	FINAL PLAT APPROVAL					
OTHER		FO	UNDATION PE	RMIT APPROVAL				
		X BU	ILDING PERMIT	APPROVAL				
PRE-DESIGN MEET	ING:	CE	RTIFICATION C	F OCCUPANCY A	PPROVAL			
YES	;	X GR	ADING PERMIT	APPROVAL				
NO	5/300	PA	VING PERMIT	APPROVAL				
COPY PR	ROVIDED NS	S.A	A.D. DRAINAGE	EREPORT				
		DR	AINAGE REQU	IREMENTS				
		OT	HER	· · · · · · · · · · · · · · · · · · ·	(Specify)			
DATE CLIDANTTED	3/ July 96	•						
DATE SUDIVILLIED:								
BY:	1/2/5			/	1			
Roger M	artinez, Jr.			<i>f</i>	l j			