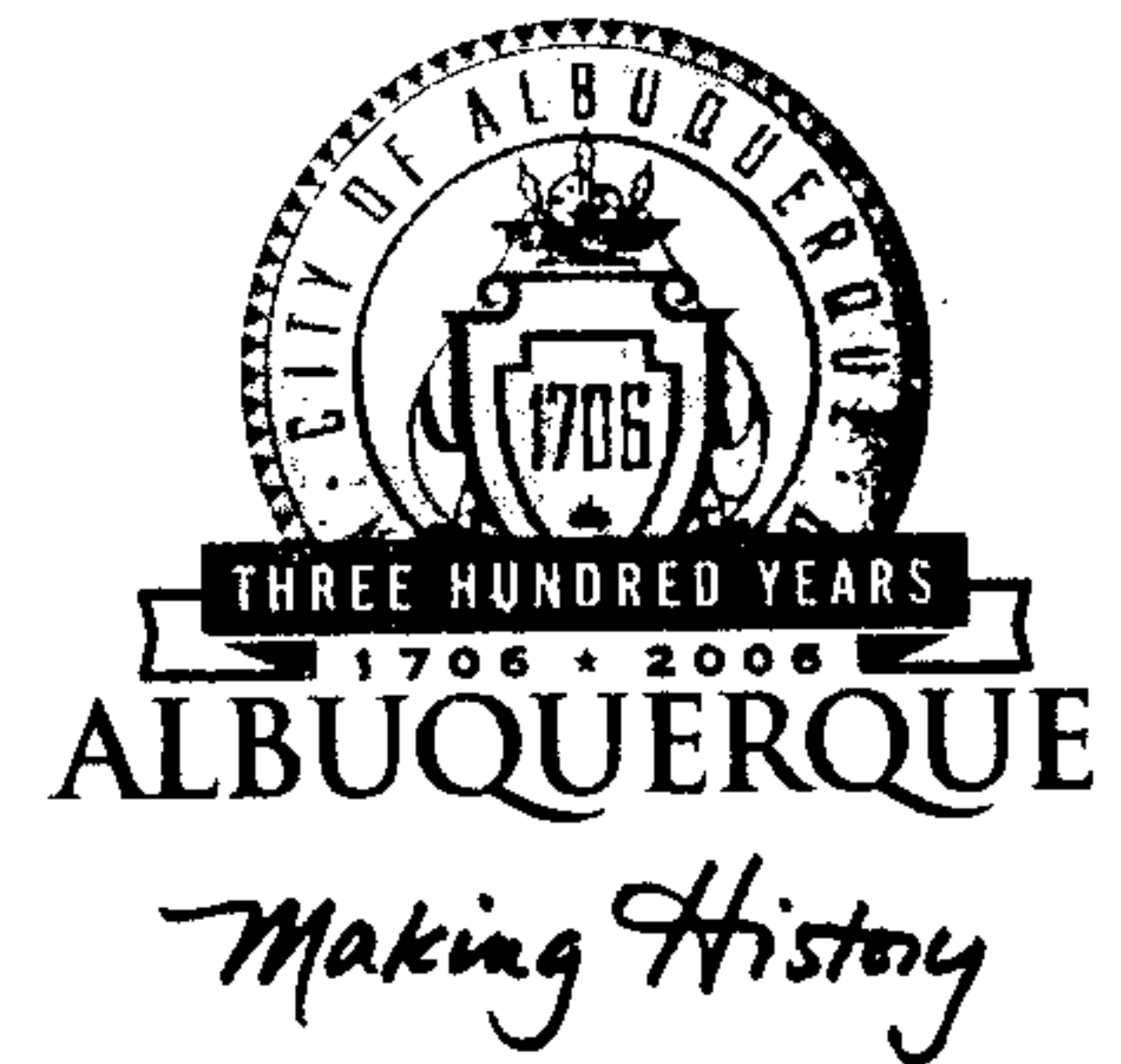


CITY OF ALBUQUERQUE



December 5, 2005

Mr. Shahab Biazar, PE
**ADVANCED ENGINEERING &
CONSULTING, LLC**
4416 Anaheim Avenue NE
Albuquerque, NM 87113

Re: LANDS OF TORRES, ELENA GALLEGOS GRANT, LOTS 3&4
2418 Manuel Torres Lane NW
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 02/22/2005 (F-13/D27)
Certification dated 12/01/2005

Dear Shahab:

P.O. Box 1293

Based upon the information provided in your submittal received 12/02/2005, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

Albuquerque

If you have any questions, you can contact me at 924-3982.

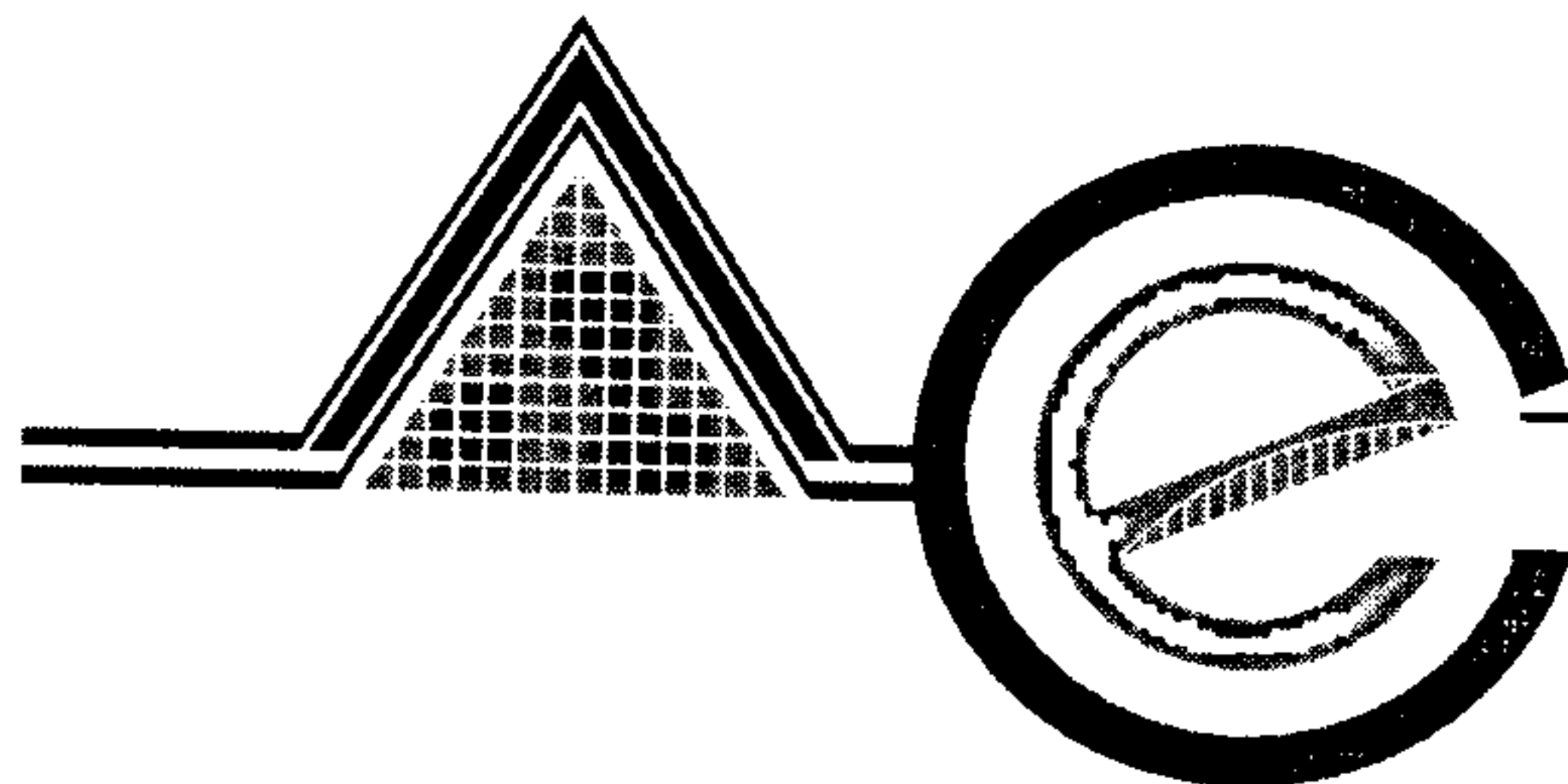
New Mexico 87103

Sincerely,

Arlene V. Portillo
Plan Checker, Planning Dept. - Hydrology
Development and Building Services

www.cabq.gov

C: CO Clerk
File



ADVANCED ENGINEERING and CONSULTING, LLC

*Consulting
Design
Development
Management
Inspection
Surveying*

December 1, 2005

Mr. Bradley L. Bingham, P.E.
Sr. Engineer, Planning Dept.
Development and Building Services
600 Second Street NW
Albuquerque, New Mexico 87102

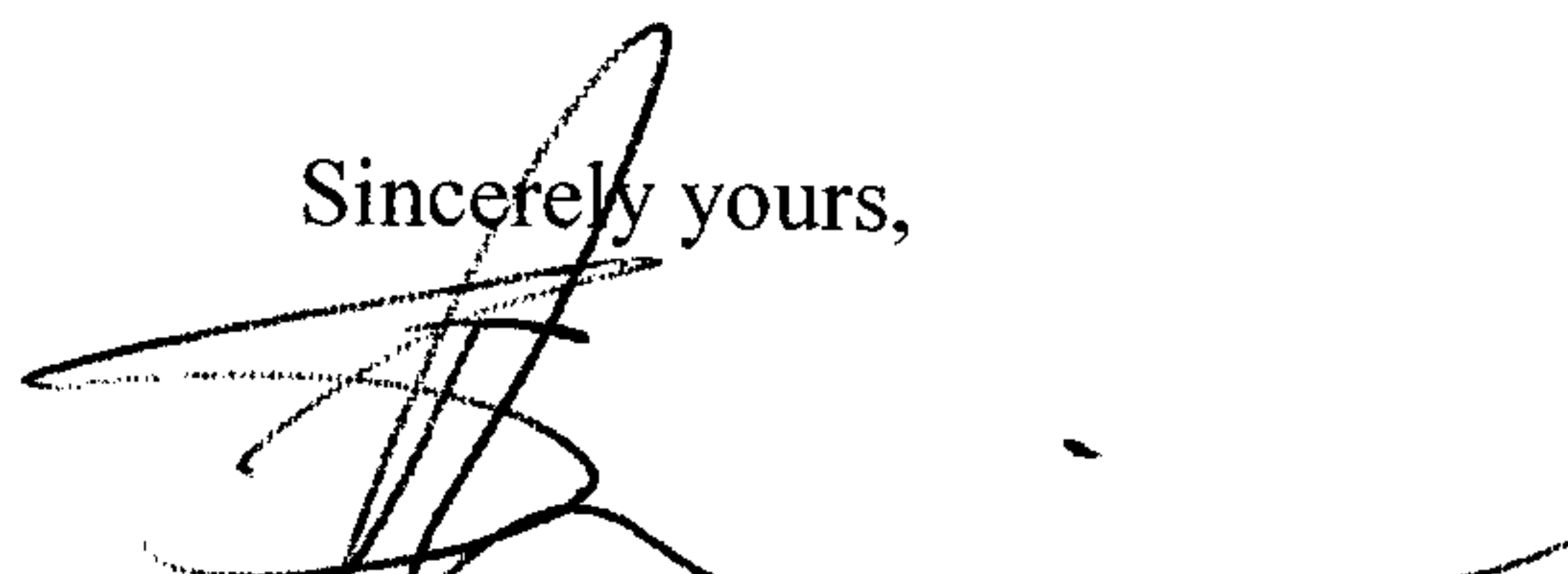
RE: FINAL CERTIFICATION OF OCCUPANCY FOR LOT 4, LANDS OF TORRES
(F13/D27)

Dear Mr. Bingham:

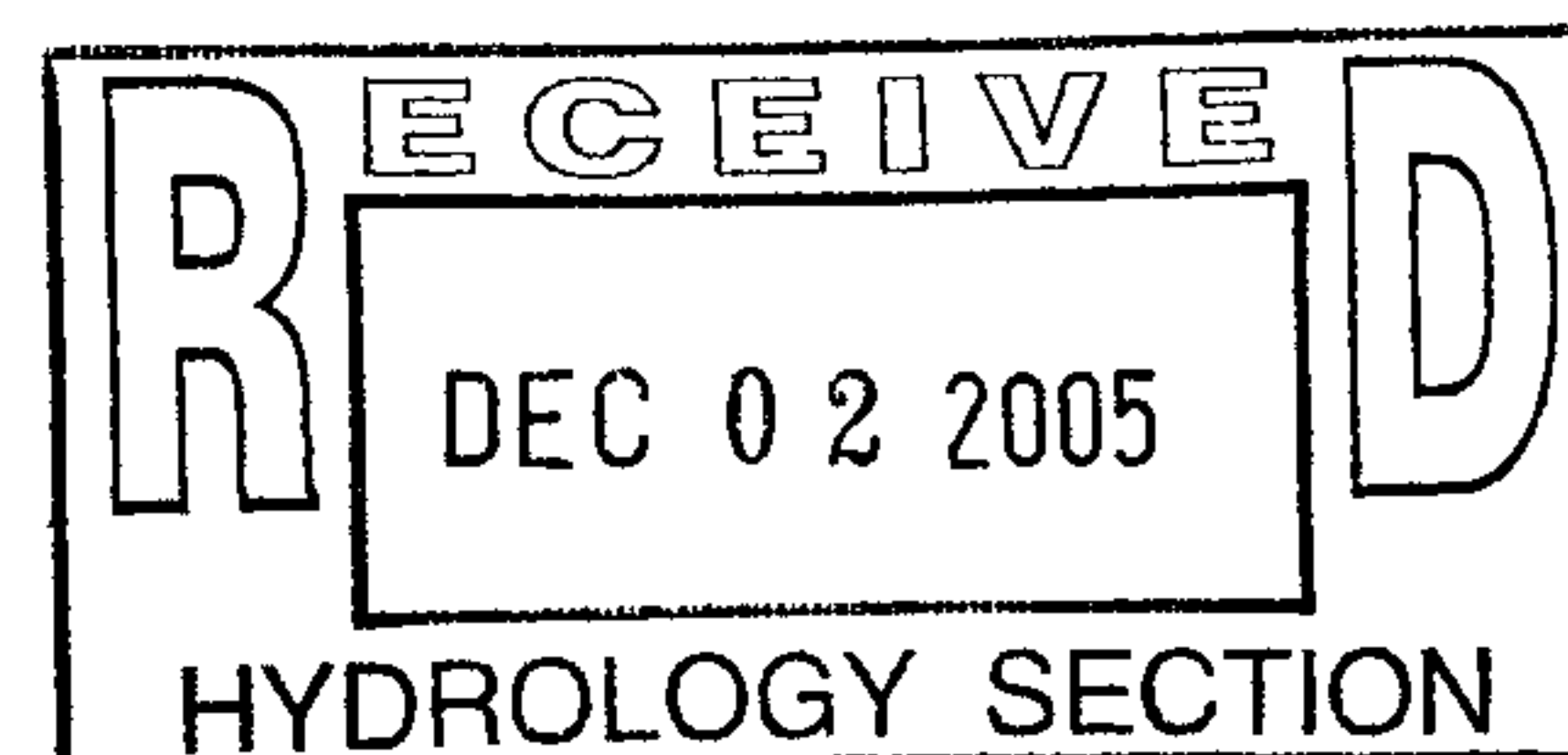
This letter is in request of Final Certification of Occupancy for the above mentioned project. I Shahab Biazar, NMPE, of the Advanced Engineering, LLC hereby certify that this project has been graded and will drain in substantial compliance with and design intent of the approved plan dated 02/22/05. Finished Floor Elevation is built 0.11' (at elevation of 4969.89') below the design elevation of 4970.00. The finished floor elevation is 1.89' above the 100-year flood elevation of 4968.00 (based on NAD 27).

Please contact me if there are any questions or concerns regarding this submittal.

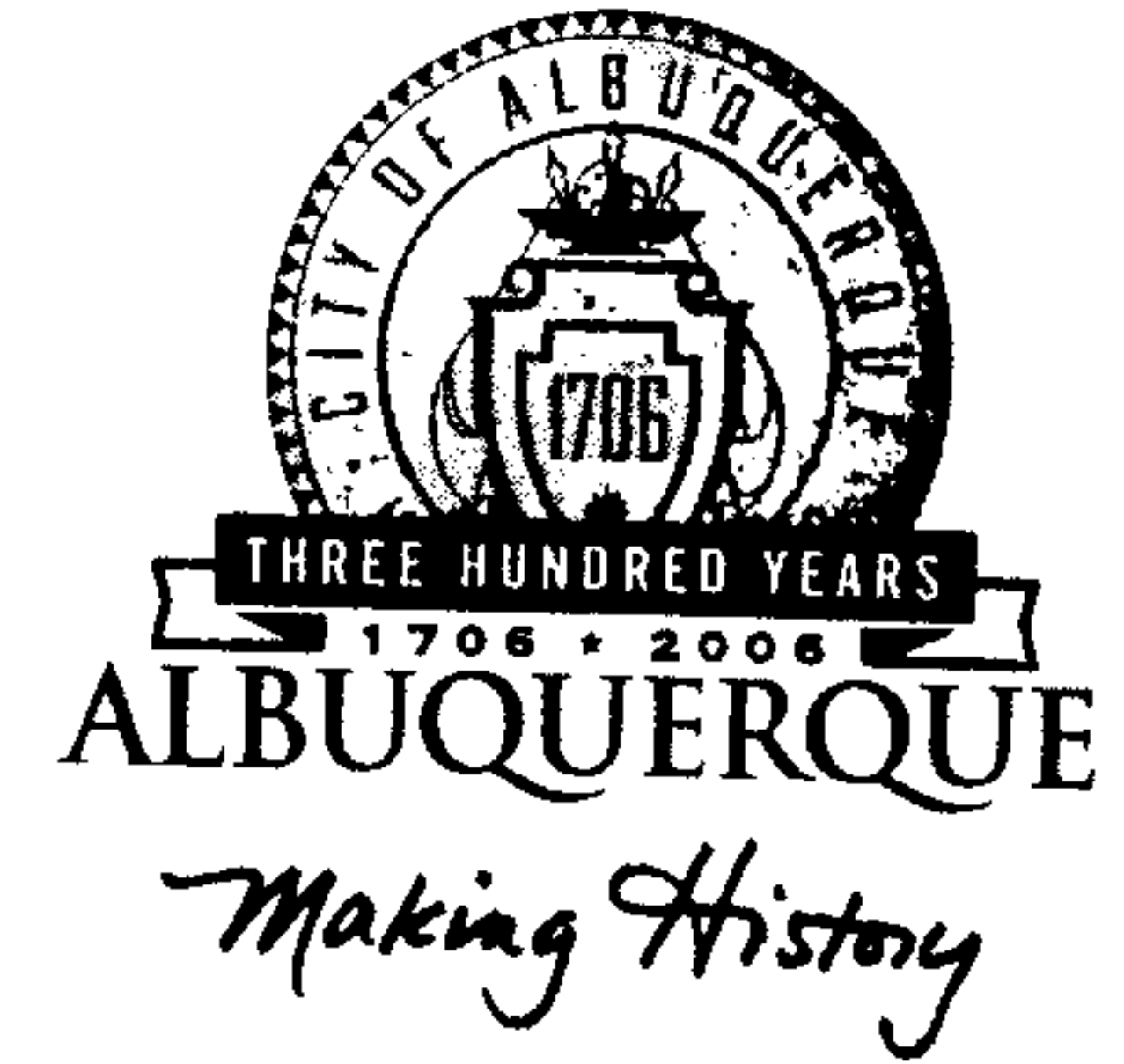
Sincerely yours,



Shahab Biazar, P.E.



CITY OF ALBUQUERQUE



March 14, 2005

Shahab Biazar PE
Advanced Engineering and Consulting
4416 Anaheim Ave NE
Albuquerque, NM 87113

**Re: Tracts 3 & 4, Lands of Torres Drainage Report
Engineer's Stamp dated 2-22-05 (F13/D27)**

Dear Mr. Biazar,

Based upon the information provided in your submittal dated 2-23-05, the above referenced report is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, an Elevation Certificate will be required. Please forward a copy to this office.

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

Sincerely,

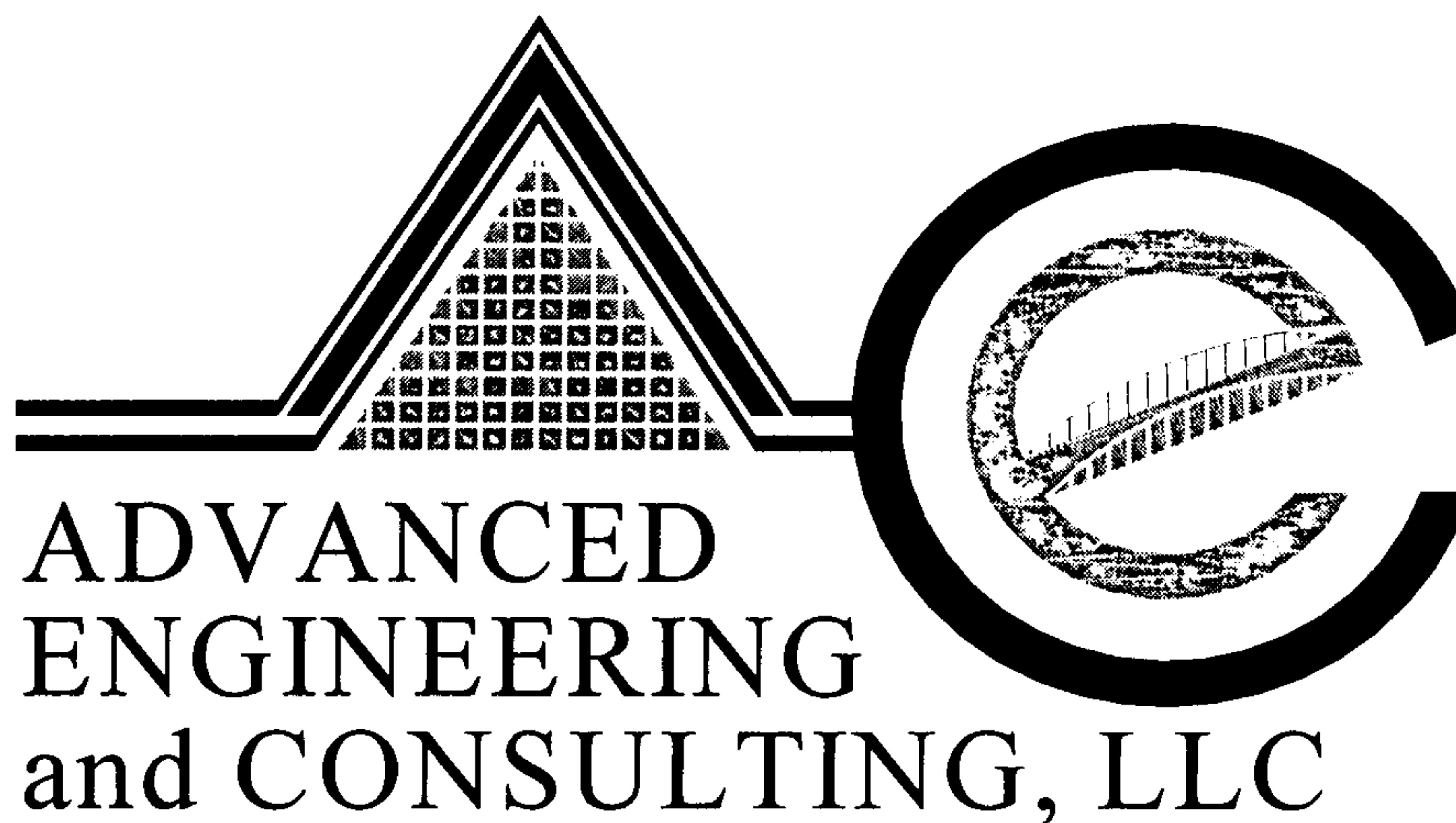
Bradley L. Bingham, PE, CFM
Principal Engineer, Planning Dept.
Development and Building Services

C: file

DRAINAGE REPORT
FOR

TRACTS 3 & 4 LANDS OF TORRES, ELENA GALLEGOS GRANT

Prepared by:

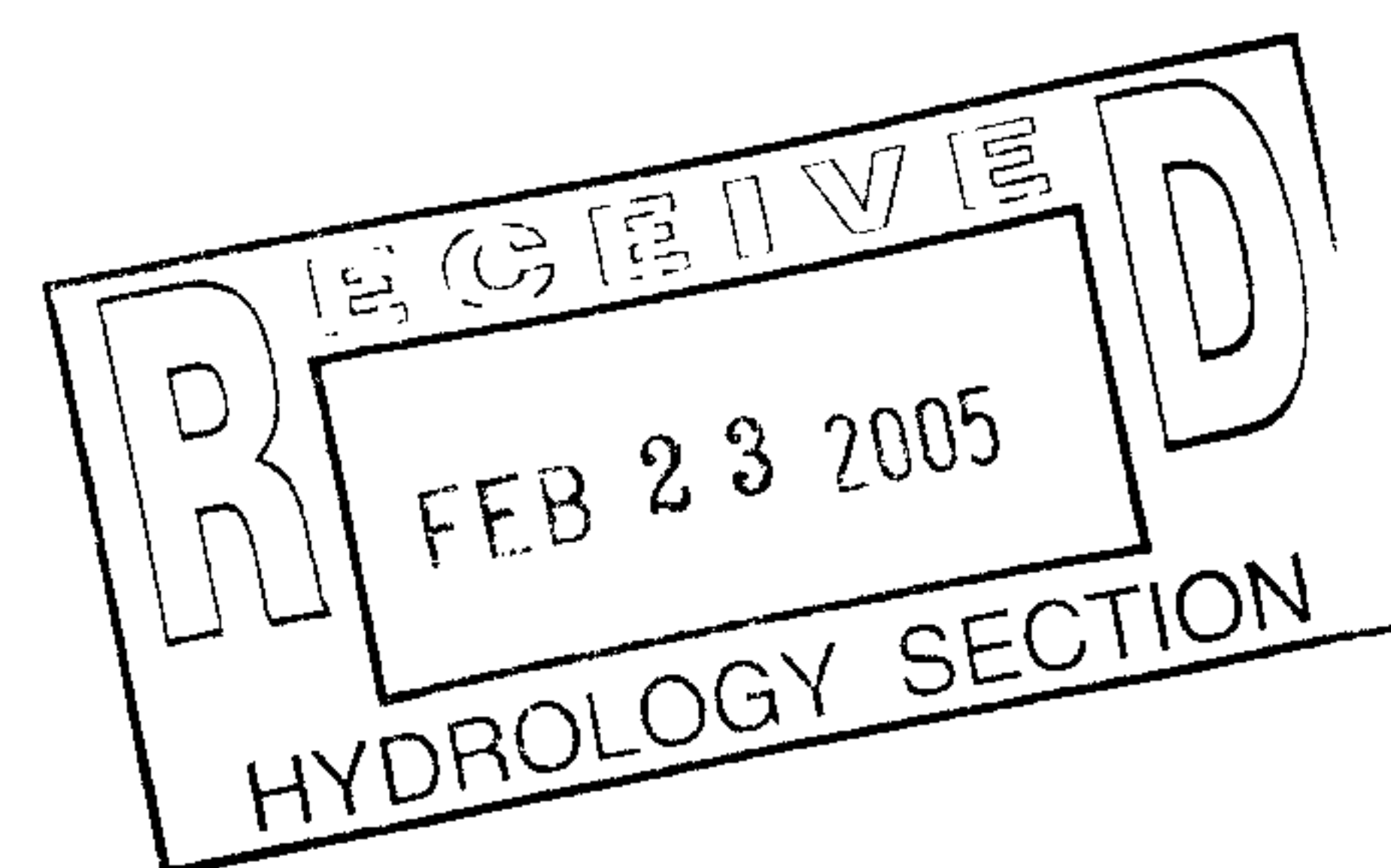


4416 Anaheim Ave., NE
Albuquerque, New Mexico 87113

February, 2005



Shahab Biazar
PE NO. 13479



Location

Tracts 3 and 4, Lands of Torres, Elena Gallegos Grant is located on Manuel Torres Lane. See attached Zone Atlas page F-13 for exact location.

Purpose

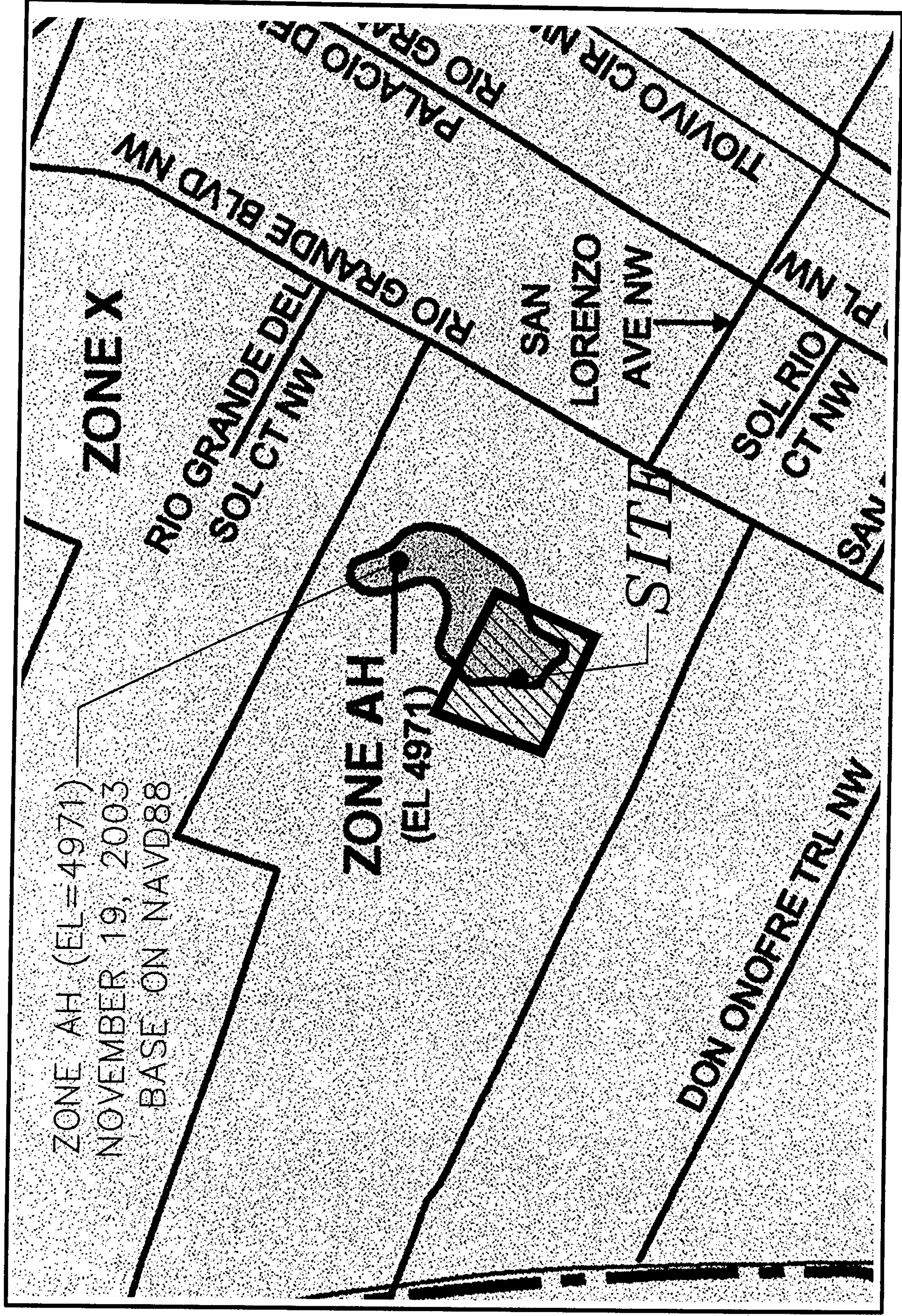
The purpose of this drainage report is to present a grading and drainage solution for the proposed buildings for Tracts 3 and 4. We are requesting rough grading approval and building permit approval.

Existing Drainage Conditions

Most of the sites surrounding Tracts 3 and 4 are fairly flat. There are no offsite runoff that enters this site. Portion of Tract 4 and most of Tract 3 fall within a 100-year storm runoff Zone AH (ELEV=4968.00 / BASE ON NAD (27)). See attached FIRM map number 35001C0118 E for exact location. We also have shown the limits of the floodplain on the grading and drainage plan.

Proposed Conditions and On-Site Drainage Management Plan

Since the site is flat the runoff ponds on-site. The finished floor of the proposed buildings are placed 2' above the floodplain elevation (@ 4970.00'), some of the fill will be encroaching into the



FIRM MAP:

35001C0118 E

BASE ON NGVD29

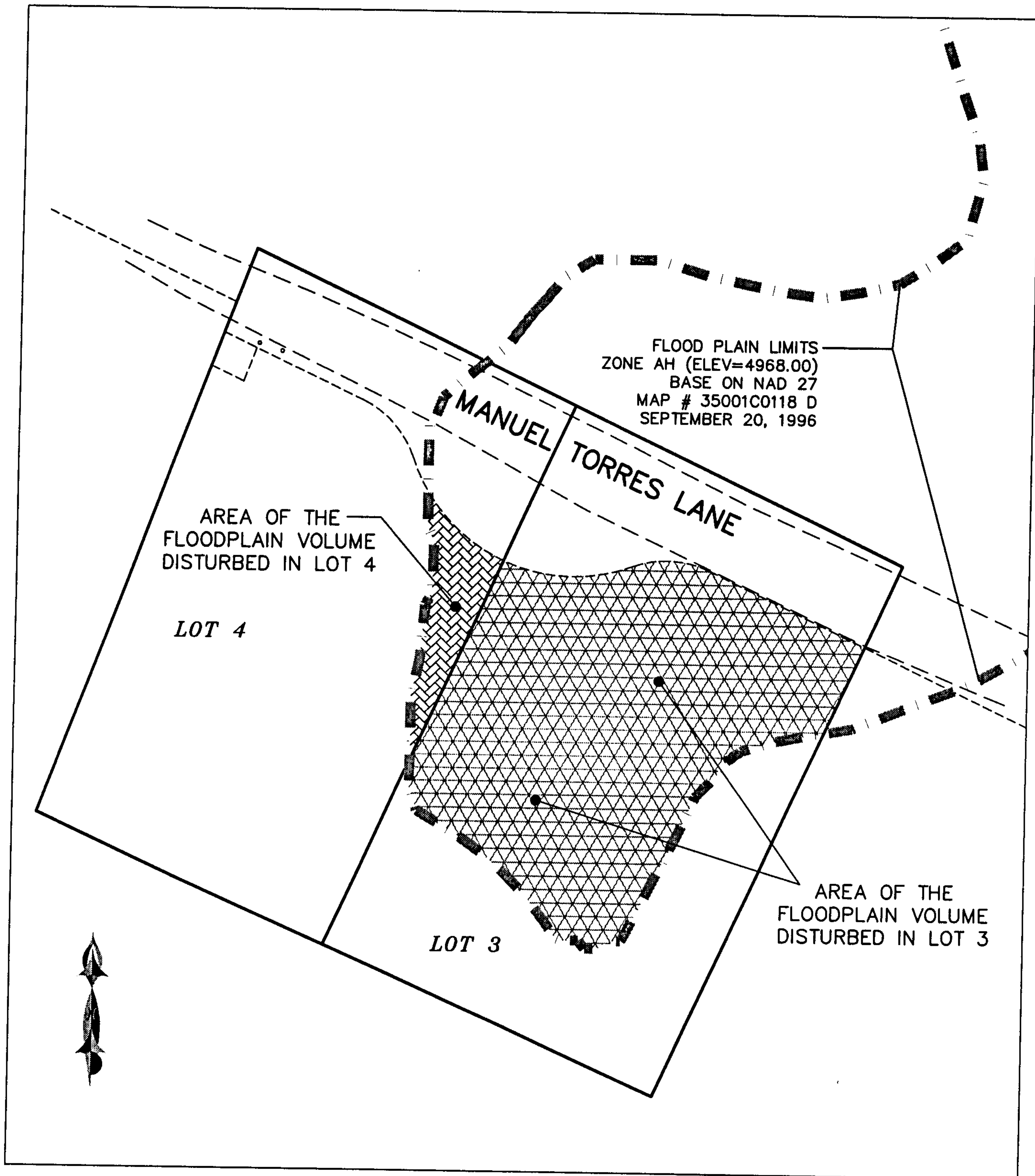
ZONE AH (EL.=4968.00)

SEPTEMBER 20, 1996

floodplain volume. Therefore, retention ponds are designed to compensate for the volume encroached into the floodplain. Lot 3 has an encroachment area of 8,140.56 sf (at an average depth of 0.65') which will require a ponding volume of 5,291.36 cf ($8,140.56 \times 0.65$). The ponding volume provided for Lot 3 is 5,796.70 cf. Lot 4 will have an encroachment of 735.78 sf (at an average depth of 0.25') which will require a ponding volume of (183.95 cf). Ponding volume provided for Lot 4 is 1,012.00 cf

Calculations

City of Albuquerque, Development Process Manual, Section 22.2, Hydrology Section, was used for runoff calculations. See this report for Summary Table for runoff results. See also this report for AHYMO input and output files for runoff calculations.



FLOODPLAIN VOLUME DISTURBANCE

NTS

RUNOFF CALCULATIONS

(INPUT DATA FOR AHYMO CALCULATIONS)

The site is @ Zone 2

DEPTH (INCHES) @ 100-YEAR STORM

$$P_{60} = 2.01 \text{ inches}$$

$$P_{360} = 2.35 \text{ inches}$$

$$P_{1440} = 2.75 \text{ inches}$$

DEPTH (INCHES) @ 10-YEAR STORM

$$\begin{aligned} P_{60} &= 2.01 \times 0.667 \\ &= 1.34 \text{ inches} \end{aligned}$$

$$P_{360} = 1.57$$

$$P_{1440} = 1.83$$

See the summary output from AHYMO calculations.

Also see the following summary tables.

RUNOFF CALCULATION RESULTS

BASIN	AREA (SF)	AREA (AC)	AREA (MI²)
LOT 3	16931.78	0.3887	0.000607
LOT 4	15880.59	0.3646	0.000570

PROPOSED

BASIN	Q-100 CFS	Q-10 CFS
LOT 3	0.61	0.15
LOT 4	0.57	0.14

HISTORICAL

BASIN	Q-100 CFS	Q-10 CFS
LOT 3	1.50	0.90
LOT 4	1.40	0.85

SUMMARY OUTPUT FILE

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) -
INPUT FILE = 200462

- VERSION: 1997.02d

RUN DATE (MON/DAY/YR) =02/21/2005
USER NO.= AHYMO-I-9702c01000R31-AH

		FROM	TO			PEAK	RUNOFF			TIME TO	CFS	PAGE = 1
COMMAND	HYDROGRAPH IDENTIFICATION	ID NO.	ID NO.	AREA (SQ MI)	DISCHARGE (CFS)	VOLUME (AC-FT)	RUNOFF (INCHES)	PEAK (HOURS)	PER ACRE	NOTATION		
START											TIME=	.00
RAINFALL TYPE= 1											RAIN6=	2.350
COMPUTE NM HYD	100.00	-	1	.00061	.61	.017	.53121	1.533	1.574	PER IMP=	.00	
COMPUTE NM HYD	101.00	-	1	.00057	.57	.016	.53121	1.533	1.576	PER IMP=	.00	
START											TIME=	.00
RAINFALL TYPE= 1											RAIN6=	1.570
COMPUTE NM HYD	110.00	-	1	.00061	.15	.004	.12517	1.533	.377	PER IMP=	.00	
COMPUTE NM HYD	111.00	-	1	.00057	.14	.004	.12517	1.533	.377	PER IMP=	.00	
START											TIME=	.00
RAINFALL TYPE= 1											RAIN6=	2.350
COMPUTE NM HYD	100.10	-	1	.00061	1.50	.052	1.59673	1.500	3.862	PER IMP=	56.00	
COMPUTE NM HYD	101.10	-	1	.00057	1.41	.049	1.59673	1.500	3.866	PER IMP=	56.00	
START											TIME=	.00
RAINFALL TYPE= 1											RAIN6=	1.570
COMPUTE NM HYD	110.10	-	1	.00061	.90	.030	.91675	1.500	2.326	PER IMP=	56.00	
COMPUTE NM HYD	111.10	-	1	.00057	.85	.028	.91675	1.500	2.330	PER IMP=	56.00	
FINISH												