

CITY OF ALBUQUERQUE



September 29, 2006

Mr. Shahab Biazar, P.E.
**ADVANCED ENGINEERING AND
CONSULTING, LLC**
4416 Alameda Avenue NE
Moriarty, New Mexico 87113

Re: AIRPORT INDUSTRIAL PARK, LOT 11, BLOCK 1
2445 Baylor Drive SE
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 03/09/2006 (M-16/D39)
Certification dated 09/27/2006

Dear Shahab:

P.O. Box 1293 Based upon the information provided in your submittal received 09/28/2006, 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

www.cabq.gov

Sincerely,

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

C: CO Clerk

DRAINAGE INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: LOT 11, BLOCK 1 AIRPORT INDUSTRIAL PARK

ZONE ATLAS/DRG. FILE #: M16 / D39

DRB #:

EPC #:

WORK ORDER #:

LEGAL DESCRIPTION: LOT 11, BLOCK 1, AIRPORT INDUSTRIAL PARK

CITY ADDRESS: 2445 BAYLOR DR SE

ENGINEERING FIRM: Advanced Engineering and Consulting, LLC

ADDRESS: 4416 Anaheim Ave., NE

CITY, STATE: Albuquerque, New Mexico

CONTACT: Shahab Biazar

PHONE: (505) 899-5570

ZIP CODE: 87113

OWNER:

ADDRESS:

CITY, STATE:

CONTACT:

PHONE:

ZIP CODE:

ARCHITECT:

ADDRESS:

CITY, STATE:

CONTACT:

PHONE:

ZIP CODE:

SURVEYOR:

ADDRESS:

CITY, STATE:

CONTACT:

PHONE:

ZIP CODE:

CONTRACTOR:

ADDRESS:

CITY, STATE:

CONTACT:

PHONE:

ZIP CODE:

CHECK TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☐ DRAINAGE PLAN 1ST SUBMITTAL, REQUIRES TCL OR EQUAL

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☐ GRADING PLAN

☐ EROSION CONTROL PLAN

☒ ENGINEER'S CERTIFICATION (HYDROLOGY)

☐ CLOMR / LOMR

☐ 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

☐ BUILDING PERMIT APPROVAL

☒ CERTIFICATE OF OCCUPANCY (PERM.)

☐ CERTIFICATE OF OCCUPANCY (TEMP.)

☐ GRADING PERMIT APPROVAL

☐ PAVING PERMIT APPROVAL

☐ WORK ORDER APPROVAL

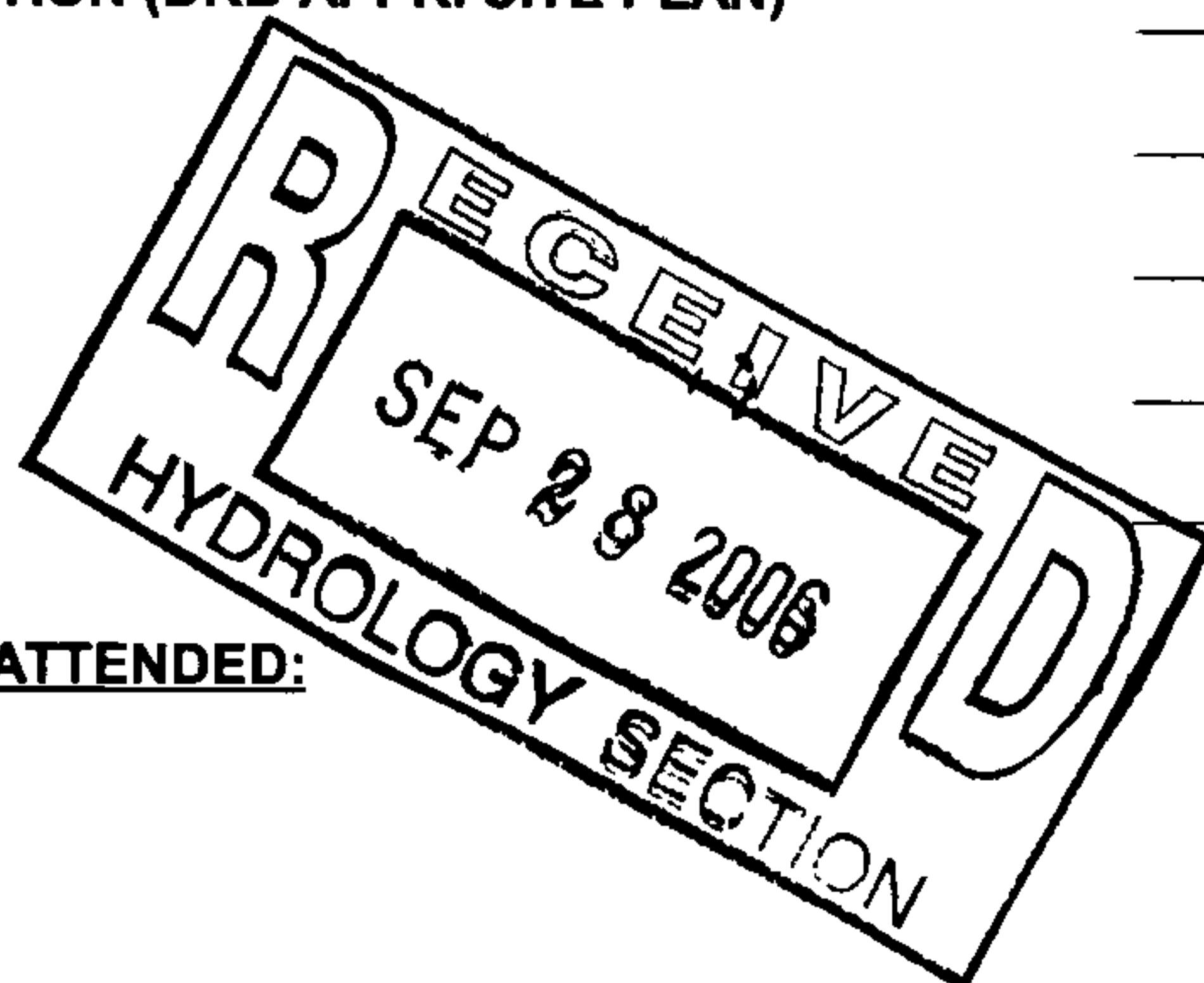
☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

☐ YES

☒ NO

☐ COPY PROVIDED

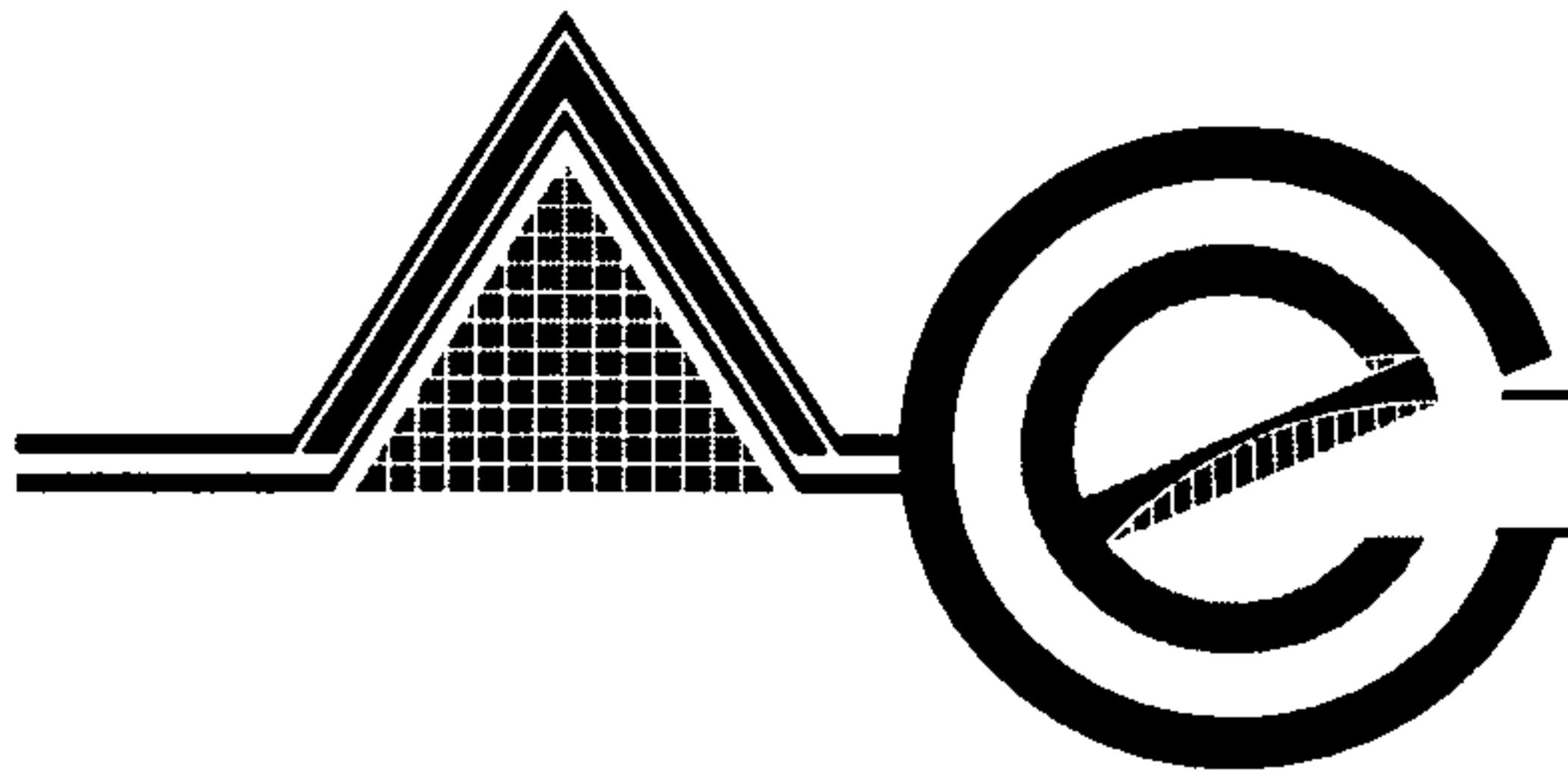


DATE SUBMITTED: 09/27/2006

BY: Shahab Biazar, P.E.

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 submittals may be required based on the following:

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



ADVANCED ENGINEERING and CONSULTING, LLC

*Consulting
Design
Development
Management
Inspection
Surveying*

September 27, 2006

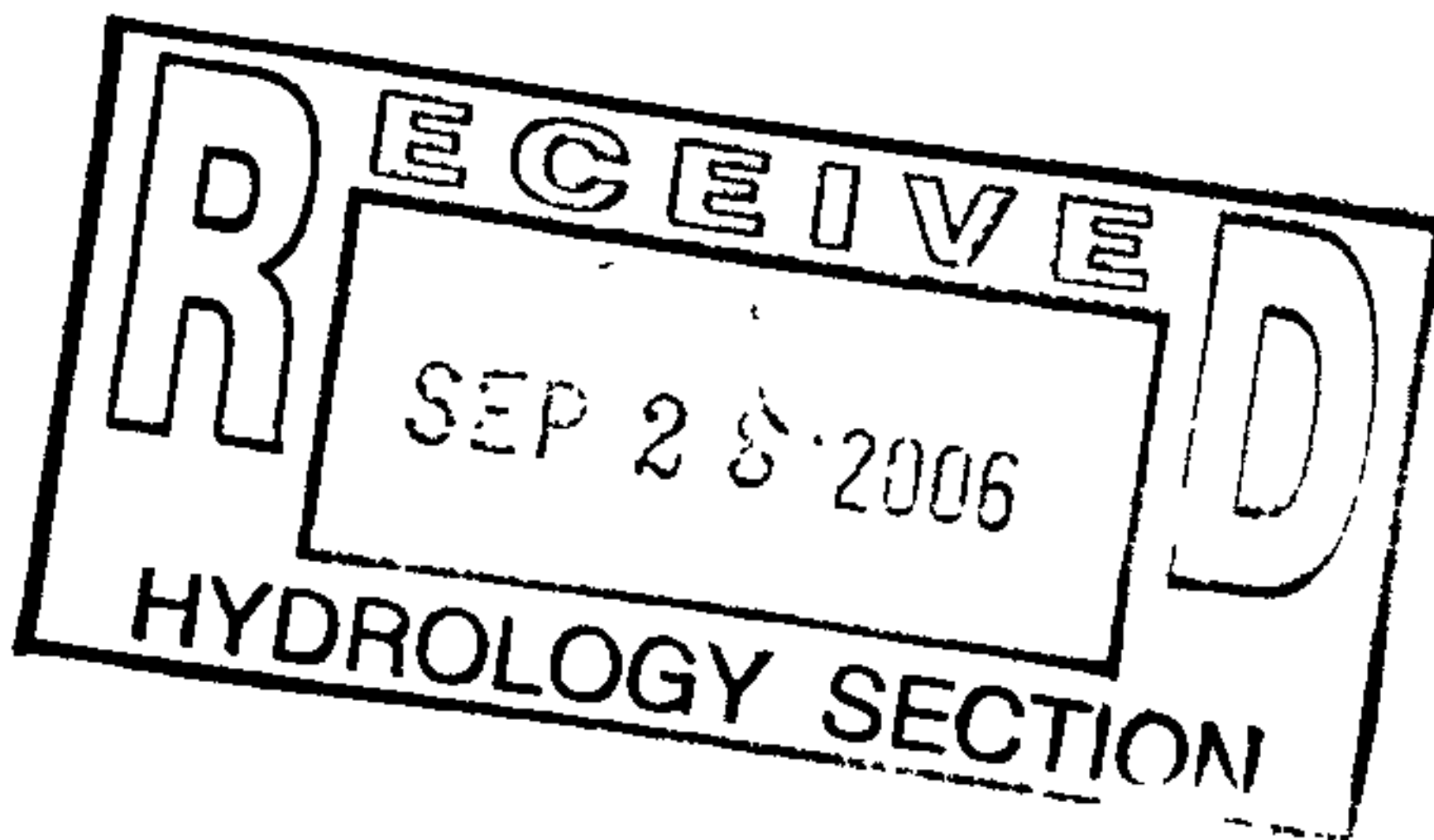
Ms. Kristal D. Metro, P.E.
Senior Engineer, Planning Dept.
Development and Building Services
600 Second Street NW
Albuquerque, New Mexico 87102

RE: FINAL CERTIFICATE OF OCCUPANCY FOR 2445 BAYLOR DRIVE SE (M16-D39)

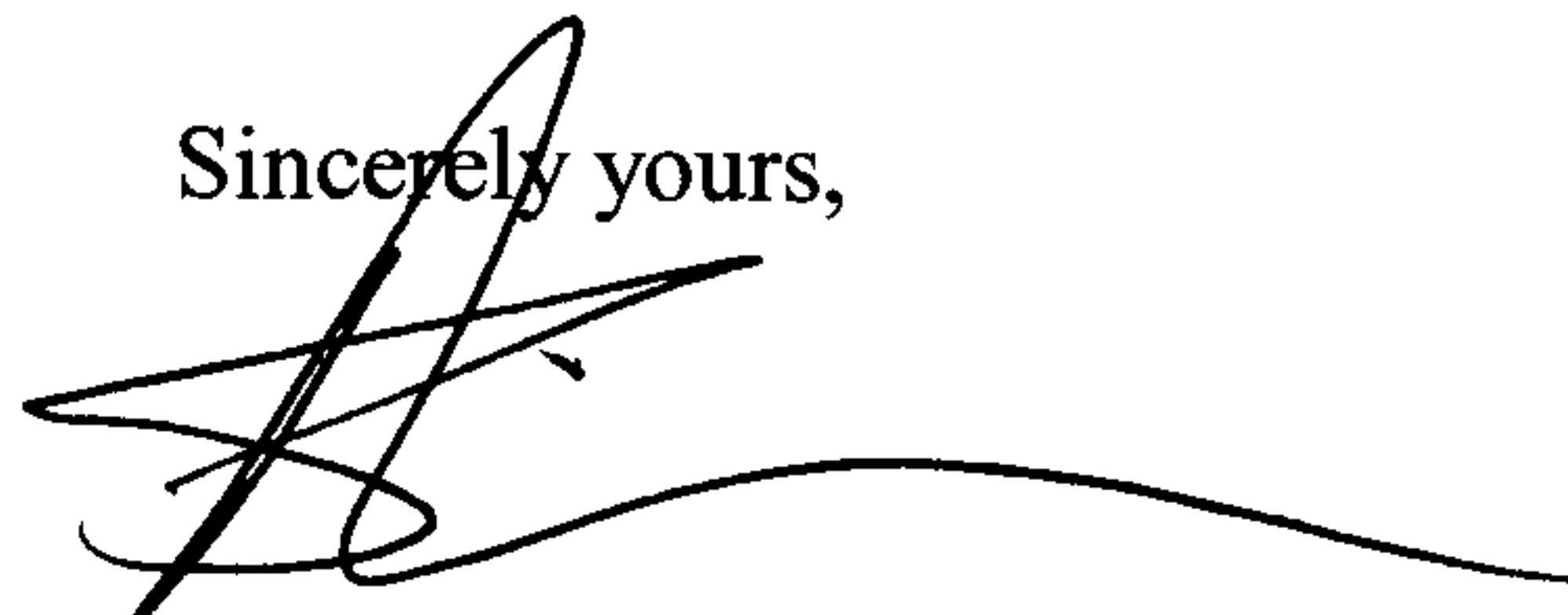
Dear Ms. Metro:

Enclosed please find one copy of the as-built Grading Plan for the above mentioned site. The grades are built according to the approved grading & drainage plan with engineering stamp date of 03/09/2006. We are requesting Final Certification Of Occupancy.

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



Sincerely yours,



Shahab Biazar, P.E.

CITY OF ALBUQUERQUE



May 5, 2006

Shahab Biazar, P.E.
Advanced Engineering and Consulting, LLC
4416 Anaheim Ave., NE
Albuquerque, NM 87113


**Re: Lot 11, Block 1, Airport Industrial Park, 2445 Baylor Dr. SE
Grading and Drainage Plan - Engineer's Stamp dated 3-9-06 (M16 – D39)**

Dear Mr. Biazar,

Based upon the information provided in your submittal dated 3-14-06, the above referenced plan is approved for Grading Permit & Paving Permit. Please provide Certified As-builts at the completion of this project for the file.

If you have any questions, you can contact me at 924-3990.

Sincerely,


Phillip J. Lovato, E.I., C.F.M.
Engineering Associate, Hydrology,
Development and Building Services,
Planning Department

cc: file

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

DRAINAGE INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: LOT 11, BLOCK 1, AIRPORT INDUSTRIAL PARK ZONE ATLAS/DRG. FILE #: M16 / D39
DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: LOT 11, BLOCK 1, AIRPORT INDUSTRIAL PARK
CITY ADDRESS: 2445 BAYLOR DR SE

ENGINEERING FIRM: Advanced Engineering and Consulting, LLC
ADDRESS: 4416 Anaheim Ave., NE
CITY, STATE: Albuquerque, New Mexico

CONTACT: Shahab Biazar
PHONE: (505) 899-5570
ZIP CODE: 87113

OWNER: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

ARCHITECT: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

☒ DRAINAGE REPORT
☐ DRAINAGE PLAN 1ST SUBMITTAL, REQUIRES TCL OR EQUAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
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☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
☐ CLOMR / LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ ENGINEER'S CERTIFICATION (TCL)
☐ ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
☐ OTHER

Fee paid ✓

CHECK TYPE OF APPROVAL SOUGHT:

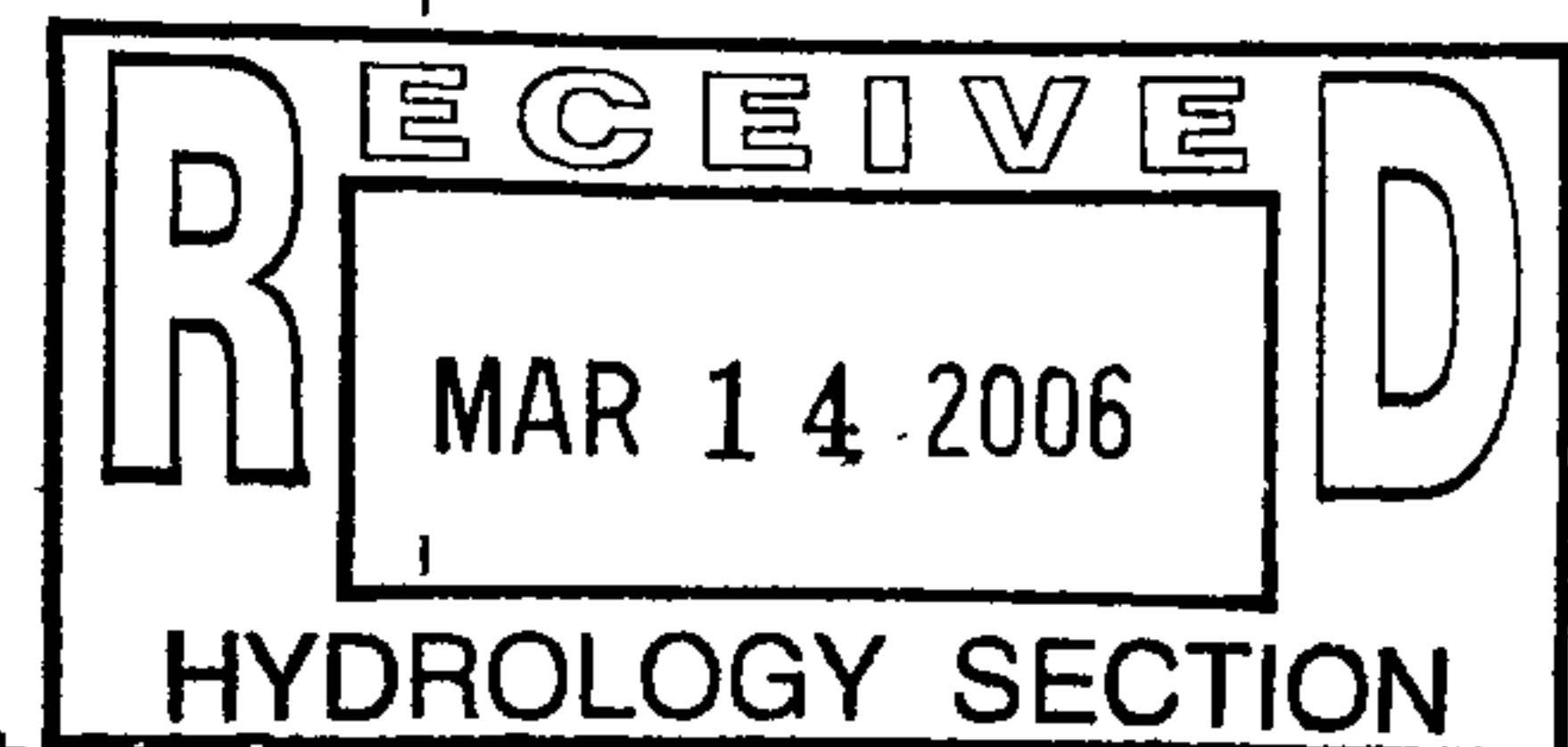
☐ SIA / FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
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☐ CERTIFICATE OF OCCUPANCY (TEMP.)
☒ GRADING PERMIT APPROVAL
☒ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY) _____

WAS A PRE-DESIGN CONFERENCE ATTENDED:

☐ YES
☒ NO
☐ COPY PROVIDED

DATE SUBMITTED: 03 / 09 / 2006

BY: Shahab Biazar, P.E.



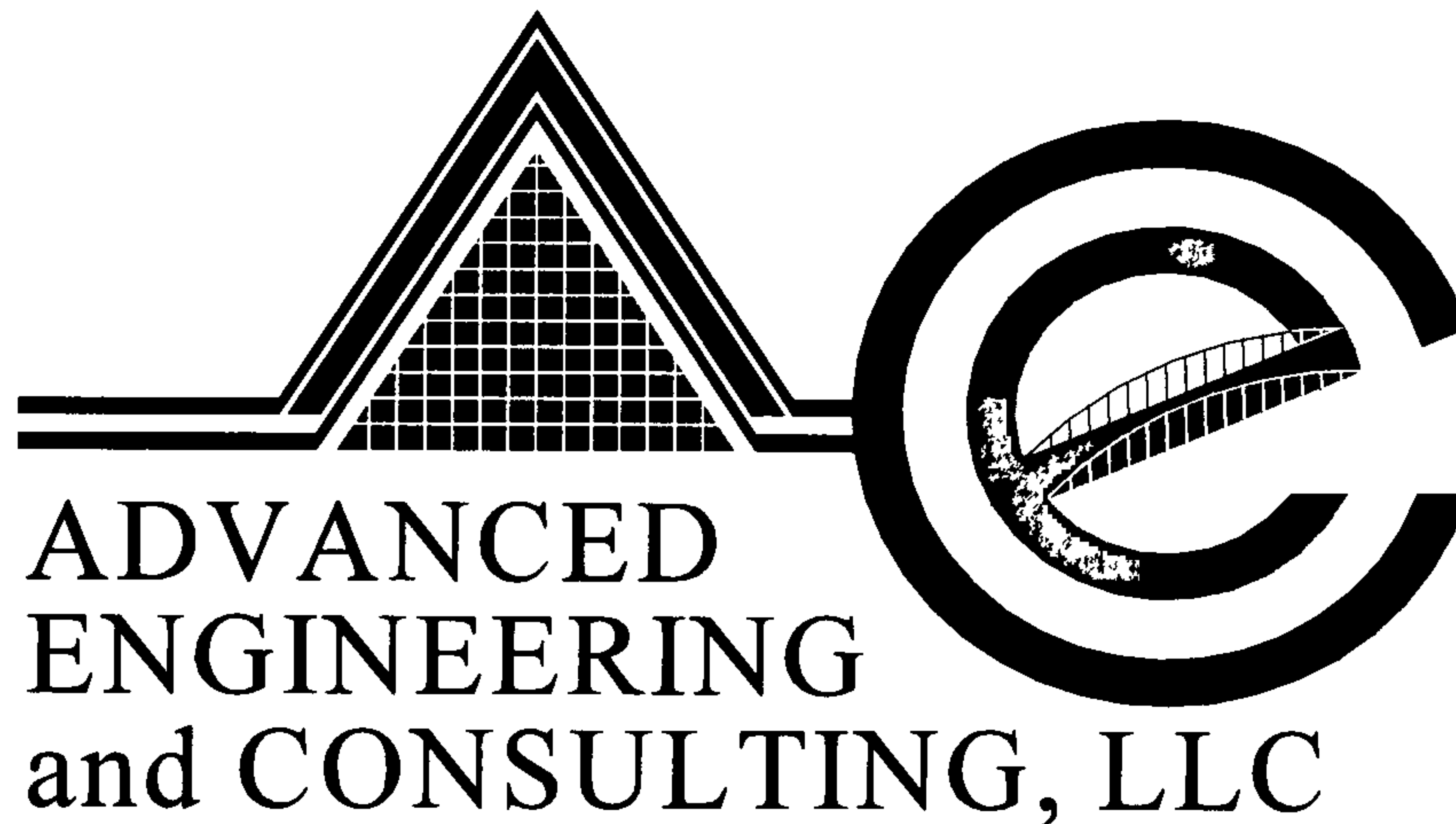
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DRAINAGE REPORT
FOR

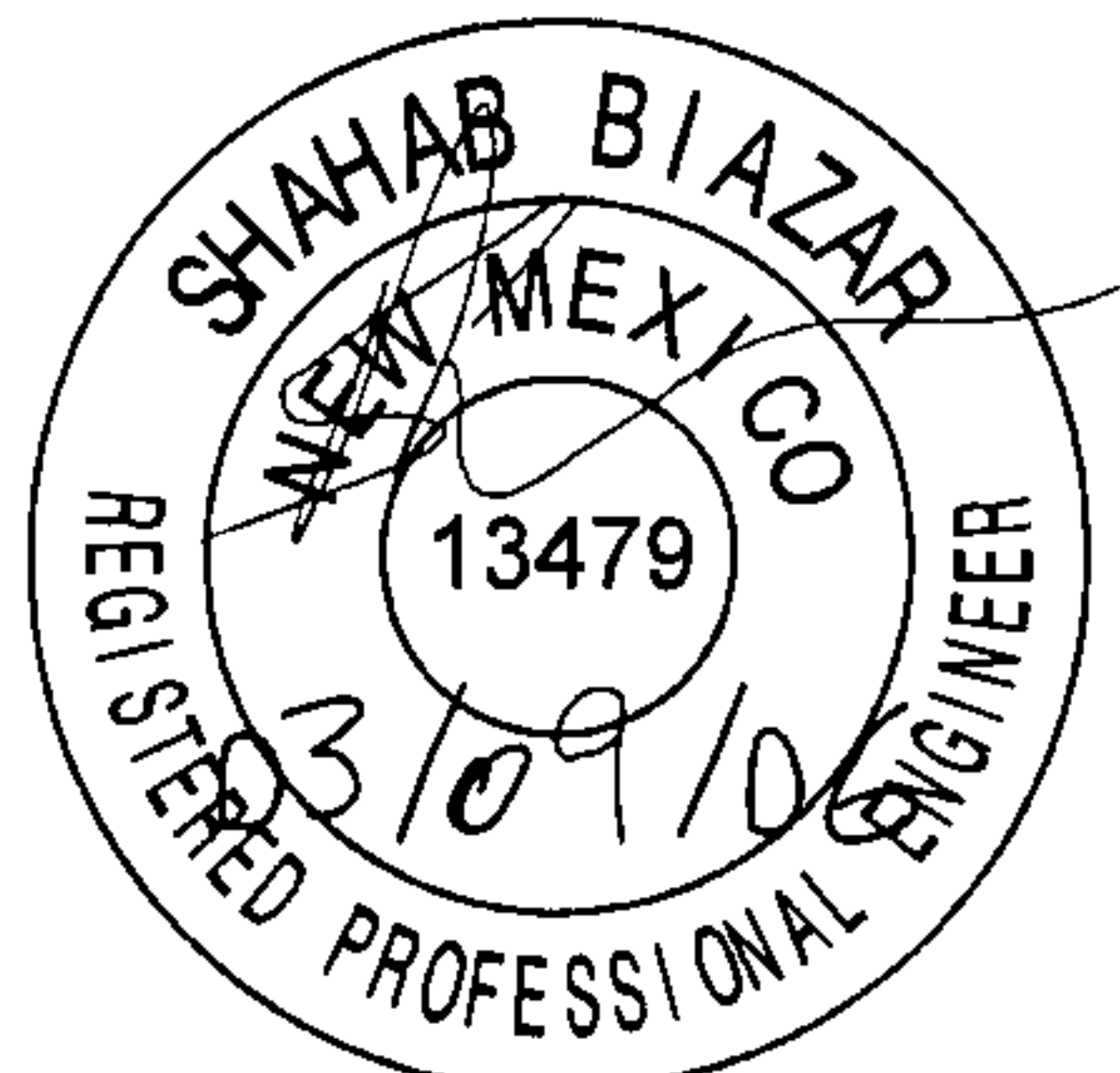
LOT 11, BLOCK 1
AIRPORT INDUSTRIAL PARK

Prepared by:

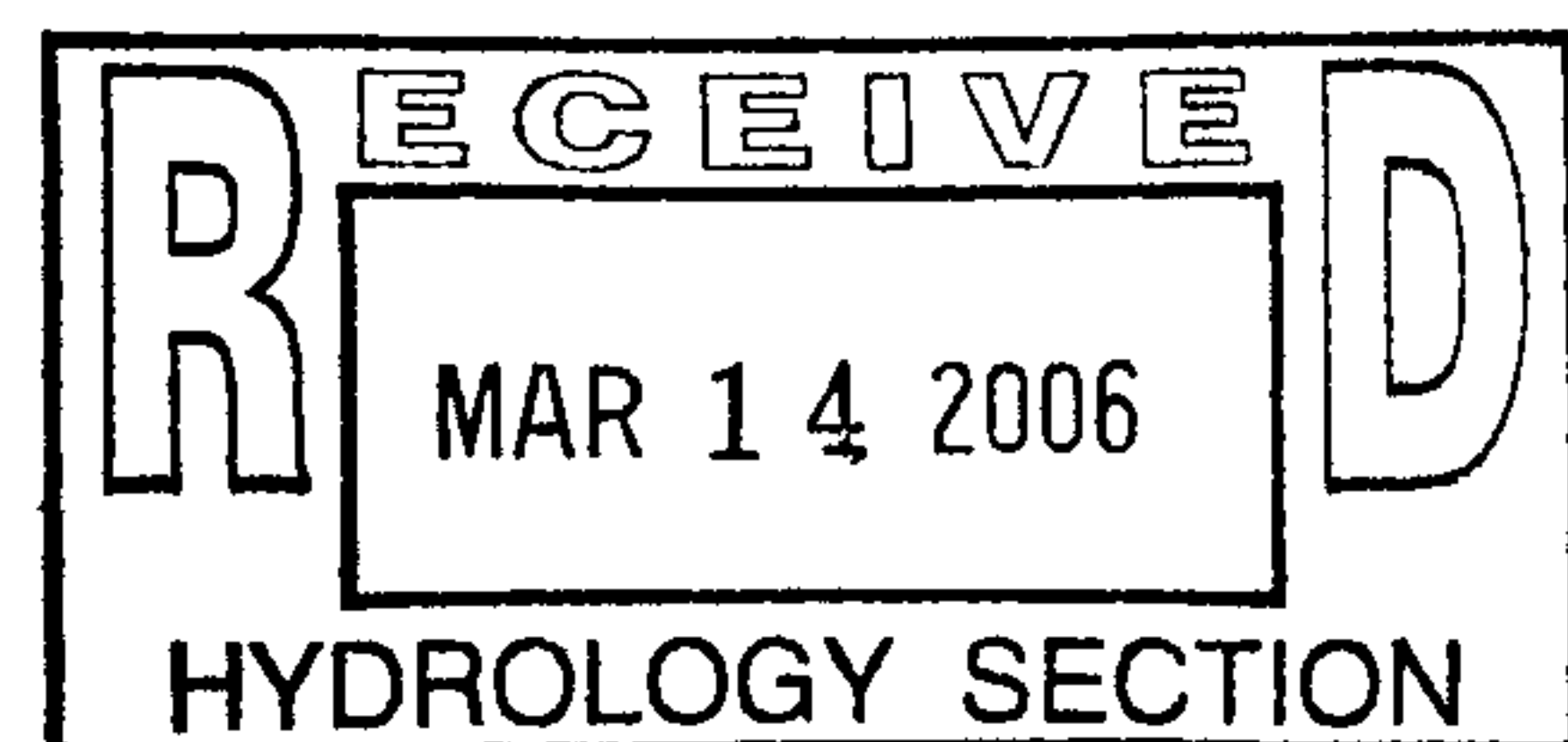


4416 Anaheim Ave., NE
Albuquerque, New Mexico 87113

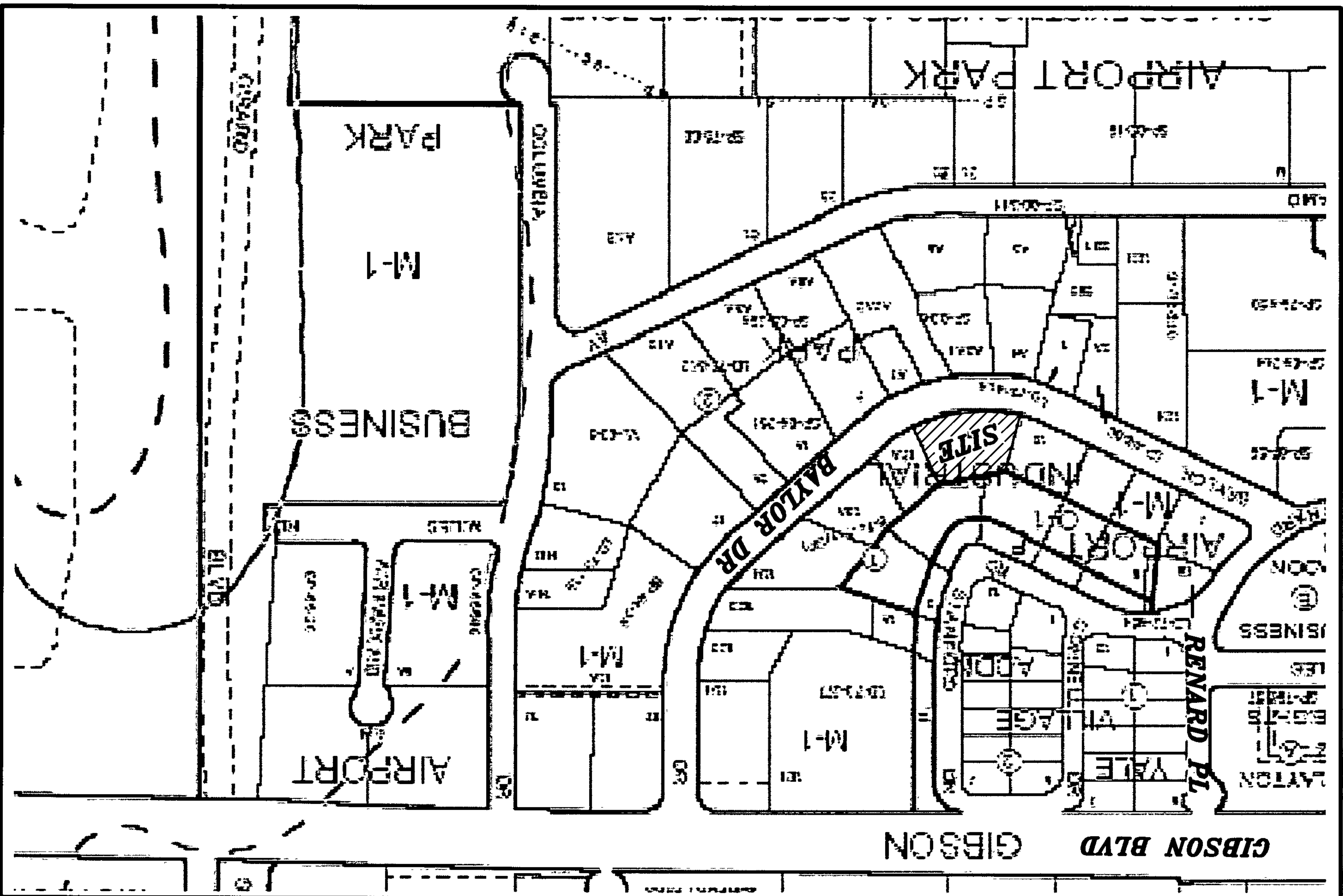
March, 2006



Shahab Biazar
PE NO. 13479



Z-91-W



Location

Lot 11, Block 1, Airport Industrial Park is located at 2445 Baylor Drive SE. See attached Zone Atlas page number M-16 for exact location.

Purpose

The purpose of this drainage report is to present a grading and drainage solution for the proposed sites. We are requesting rough grading approval and replat approval of the existing lot. The owner ^{is} ~~are~~ proposing to build a parking lot on this Tract. The owners are also proposing to subdivide the existing lot into two lots.

Existing Drainage Conditions

2
This Lot drains to northwest corner of the site and then to Lot 4. From ~~the~~ runoff drains to Miles Road. Minor offsite runoff may enter from this site from the East. No other offsite runoff enters this site. The site does not fall within a 100-year floodplain.

Proposed Conditions and On-Site Drainage Management Plan

The offsite and on-site drainage pattern will remain the same as existing conditions.

The runoff will be discharged to Lot 4 at historical runoff rate of 1.16 cfs. A header wall with 2-4" diameter opening (through the header wall) will detain the runoff within the parking lot. Then the runoff will be discharged to a concrete channel (4' wide, 6" deep). From there the runoff will drain to Lot 4 and to Miles Road. In case of an emergency were the 2-4" diameter opening are clogged the runoff will overflow the header wall through an emergency overflow spillway (3.50' wide by 6" deep) onto the 4' concrete channel.

Calculations

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

RUNOFF CALCULATIONS

(INPUT DATA FOR AHYMO CALCULATIONS)

The site is @ Zone 2 ✓

DEPTH (INCHES) @ 100-YEAR STORM

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

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

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

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.

See this report for Summary Tables for the runoff and input file and summary output from AHYMO calculations.

RUNOFF CALCULATION RESULTS

BASIN	AREA (SF)	AREA (AC)	AREA (MI²)
ON-SITE	32375.63	0.7432	0.001161

EXISTING

BASIN	Q-100 CFS	Q-10 CFS
ON-SITE	1.16	0.28

PROPOSED

BASIN	Q-100 CFS	Q-10 CFS
ON-SITE	3.20	2.04

AHYMO INPUT FILE

```
* ZONE 2
*****
*          100-YEAR,   6-HR STORM (UNDER EXISITNG CONDITIONS)          *
*****
START          TIME=0.0
RAINFALL       TYPE=1 RAIN QUARTER=0.0 IN
               RAIN ONE=2.01 IN RAIN SIX=2.35 IN
               RAIN DAY=2.75 IN DT=0.03333 HR
COMPUTE NM HYD ID=1 HYD NO=101.0 AREA=0.001161 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
*****
*          10-YEAR,   6-HR STORM (UNDER EXISTING CONDITIONS)          *
*****
START          TIME=0.0
RAINFALL       TYPE=1 RAIN QUARTER=0.0 IN
               RAIN ONE=1.34 IN RAIN SIX=1.57 IN
               RAIN DAY=1.83 IN DT=0.03333 HR
COMPUTE NM HYD ID=1 HYD NO=101.0 AREA=0.001161 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
*****
*          100-YEAR,   6-HR STORM (UNDER PROPOSED CONDITIONS)          *
*****
START          TIME=0.0
RAINFALL       TYPE=1 RAIN QUARTER=0.0 IN
               RAIN ONE=2.01 IN RAIN SIX=2.35 IN
               RAIN DAY=2.75 IN DT=0.03333 HR
COMPUTE NM HYD ID=1 HYD NO=101.0 AREA=0.001161 SQ MI
               PER A=0.00 PER B=17.00 PER C=0.00 PER D=83.00
               TP=0.1333 HR MASS RAINFALL=-1
*****
*          10-YEAR,   6-HR STORM (UNDER PROPOSED CONDITIONS)          *
*****
START          TIME=0.0
RAINFALL       TYPE=1 RAIN QUARTER=0.0 IN
               RAIN ONE=1.34 IN RAIN SIX=1.57 IN
               RAIN DAY=1.83 IN DT=0.03333 HR
COMPUTE NM HYD ID=1 HYD NO=101.0 AREA=0.001161 SQ MI
               PER A=0.00 PER B=17.00 PER C=0.00 PER D=83.00
               TP=0.1333 HR MASS RAINFALL=-1
*****
FINISH
```


SUMMARY OUTPUT FILE

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) -
INPUT FILE = 601

- VERSION: 1997.02d

RUN DATE (MON/DAY/YR) =03/07/2006

USER NO.= AHYMO-I-9702c01000R31-AH

[illegible]

VOLUME CALCULATIONS

DETENTION POND/PARKING LOT PONDING

Ab - Bottom Of The Pond Surface Area
 At - Top Of The Pond Surface Area
 D - Water Depth
 Dt - Total Pond Depth
 C - Change In Surface Area / Water Depth

$$\text{Volume} = \text{Ab} * \text{D} + 0.5 * \text{C} * \text{D}^2$$

$$\text{C} = (\text{At} - \text{Ab}) / \text{Dt}$$

Ab = 0.00
 At = 2,365.60
 Dt = 2.00
 C = 1182.80

ACTUAL ELEV.	DEPTH (FT)	VOLUME (AC-FT)	1-PIPE	2-PIPE
			Q (CFS)	Q (CFS)
5239.00	0.00	0.00000	0.00	0.00
5239.30	0.30	0.00122	0.21	0.42
5239.40	0.40	0.00217	0.37	0.73
5239.60	0.60	0.00489	0.56	1.12
5239.80	0.80	0.00869	0.70	1.40
5240.00	1.00	0.01358	0.82	1.64
5240.20	1.20	0.01955	0.92	1.84
5240.40	1.40	0.02661	1.01	2.03
5240.60	1.60	0.03476	1.10	2.20
5240.80	1.80	0.04399	1.18	2.35
5241.00	2.00	0.05431	1.25	2.50

Orifice Equation

$$Q = \text{CA} \sqrt{2gH}$$

C = 0.6
 Diameter (in) = 6
 Area (ft^2)= 0.19634954085
 g = 32.2
 H (Ft) = Depth of water above center of orifice
 Q (CFS)= Flow

***USE 2-4" DIA PIPES FOR DRAINAGE
 THROUGHT THE HEADER WALL***

AHYMO INPUT FILE
(PONDING CONDITIONS/PARKING LOT PONDING)

```
* ZONE 2
*****
*           100-YEAR,   6-HR STORM (UNDER PROPOSED CONDITIONS)           *
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.01 IN RAIN SIX=2.35 IN
                     RAIN DAY=2.75 IN DT=0.03333 HR
COMPUTE NM HYD       ID=1 HYD NO=101.0 AREA=0.001161 SQ MI
                     PER A=0.00 PER B=17.00 PER C=0.00 PER D=83.00
                     TP=0.1333 HR MASS RAINFALL=-1
*****
*                               PONDING CONDITION                               *
*****
ROUTE RESERVOIR      ID=10 HYD NO=501.1 INFLOW ID=1   CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                           0.00                0.00000      5239.00
                           0.15                0.00054      5239.20
                           0.41                0.00217      5239.40
                           0.55                0.00489      5239.60
                           0.67                0.00869      5239.80
                           0.77                0.01358      5240.00
                           0.85                0.01955      5240.20
                           0.93                0.02661      5240.40
                           1.01                0.03476      5240.60
                           1.07                0.04399      5240.80
                           1.14                0.05431      5241.00
*
*****
FINISH
```

**SUMMARY OUTPUT FILE
(PONDING CONDITIONS/PARKING LOT PONDING)**

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) -
INPUT FILE = 601PD

- VERSION: 1997.02d

RUN DATE (MON/DAY/YR) =03/09/2006
USER NO. = AHYMO-I-9702c01000R31-AH

[illegible]

AHYMO OUTPUT FILE (PONDING CONDITIONS/PARKING LOT PONDING)

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AHYMO PROGRAM (AHYMO_97) - - Version: 1997.02d
  RUN DATE (MON/DAY/YR) = 03/09/2006
  START TIME (HR:MIN:SEC) = 11:41:04 USER NO.= AHYMO-I-9702c01000R31-AH
  INPUT FILE = 601PD
```

```

* ZONE 2
*****
*          100-YEAR,  6-HR STORM (UNDER PROPOSED CONDITIONS)          *
*****
START          TIME=0.0
RAINFALL       TYPE=1 RAIN QUARTER=0.0 IN
               RAIN ONE=2.01 IN RAIN SIX=2.35 IN
               RAIN DAY=2.75 IN DT=0.03333 HR

```

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.						
DT =	.033330 HOURS		END TIME = 5.999400 HOURS			
.0000	.0016	.0033	.0049	.0066	.0084	.0102
.0120	.0139	.0158	.0178	.0199	.0219	.0241
.0263	.0286	.0309	.0333	.0358	.0384	.0411
.0439	.0467	.0497	.0529	.0561	.0596	.0631
.0669	.0709	.0751	.0807	.0866	.0930	.1066
.1371	.1840	.2514	.3434	.4644	.6186	.8106
1.0449	1.2624	1.3533	1.4300	1.4982	1.5602	1.6174
1.6704	1.7200	1.7664	1.8102	1.8514	1.8904	1.9273
1.9622	1.9953	2.0268	2.0566	2.0850	2.0915	2.0976
2.1033	2.1088	2.1140	2.1191	2.1239	2.1285	2.1329
2.1373	2.1414	2.1454	2.1494	2.1531	2.1568	2.1604
2.1639	2.1673	2.1706	2.1739	2.1771	2.1802	2.1832
2.1862	2.1891	2.1919	2.1947	2.1975	2.2002	2.2028
2.2054	2.2080	2.2105	2.2130	2.2154	2.2178	2.2202
2.2225	2.2248	2.2270	2.2293	2.2315	2.2336	2.2358
2.2379	2.2399	2.2420	2.2440	2.2460	2.2480	2.2500
2.2519	2.2538	2.2557	2.2576	2.2594	2.2612	2.2631
2.2648	2.2666	2.2684	2.2701	2.2718	2.2735	2.2752
2.2769	2.2785	2.2802	2.2818	2.2834	2.2850	2.2866
2.2881	2.2897	2.2912	2.2928	2.2943	2.2958	2.2973
2.2987	2.3002	2.3017	2.3031	2.3045	2.3060	2.3074
2.3088	2.3102	2.3115	2.3129	2.3143	2.3156	2.3169
2.3183	2.3196	2.3209	2.3222	2.3235	2.3248	2.3261
2.3273	2.3286	2.3298	2.3311	2.3323	2.3335	2.3348
2.3360	2.3372	2.3384	2.3396	2.3408	2.3419	2.3431
2.3443	2.3454	2.3466	2.3477	2.3488	2.3500	

COMPUTE NM HYD ID=1 HYD NO=101.0 AREA=0.001161 SQ MI
PER A=0.00 PER B=17.00 PER C=0.00 PER D=83.00
TP=0.1333 HR MASS RAINFALL=-1

```

K = .072649HR      TP = .133300HR      K/TP RATIO = .545000      SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 3.8045      CFS      UNIT VOLUME = .9965      B = 526.28      P60 = 2.0100
AREA = .000964 SQ MI      IA = .10000 INCHES      INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

```

K = .132088HR TP = .133300HR K/TP RATIO = .990905 SHAPE CONSTANT, N = 3.563124
UNIT PEAK = .48107 CFS UNIT VOLUME = .9719 B = 324.91 P60 = 2.0100
AREA = .000197 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

 * PONDING CONDITION *

 *

ROUTE RESERVOIR	ID=10	HYD NO=501.1	INFLOW ID=1	CODE=24
	OUTFLOW(CFS)	STORAGE(AC-FT)	ELEVATION(FT)	
	0.00	0.00000	5239.00	
	0.15	0.00054	5239.20	
	0.41	0.00217	5239.40	
	0.55	0.00489	5239.60	
	0.67	0.00869	5239.80	
	0.77	0.01358	5240.00	
	0.85	0.01955	5240.20	
	0.93	0.02661	5240.40	
	1.01	0.03476	5240.60	
	1.07	0.04399	5240.80	
	1.14	0.05431	5241.00	

* * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)	
.00	.00	5239.00	.000	.00	
.80	.00	5239.00	.000	.00	
1.60	2.23	5240.66	.037	1.03	
2.40	.13	5240.26	.022	.87	
3.20	.02	5239.03	.000	.03	
4.00	.02	5239.02	.000	.02	
4.80	.02	5239.02	.000	.02	
5.60	.02	5239.02	.000	.02	
6.40	.00	5239.00	.000	.00	
PEAK DISCHARGE = 1.078 CFS - PEAK OCCURS AT HOUR 1.83					
MAXIMUM WATER SURFACE ELEVATION = 5240.821					
MAXIMUM STORAGE = .0451 AC-FT INCREMENTAL TIME= .033330HRS					

*

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 11:41:04

EMERGENCY OVERFLOW/SPILLWAY CALCULATIONS

SPILLWAY WIDTH

Weir Equation: $Q = CLH^{3/2}$

$Q = 3.20$ cfs (maximum allowable runoff)

$C = 3.10$

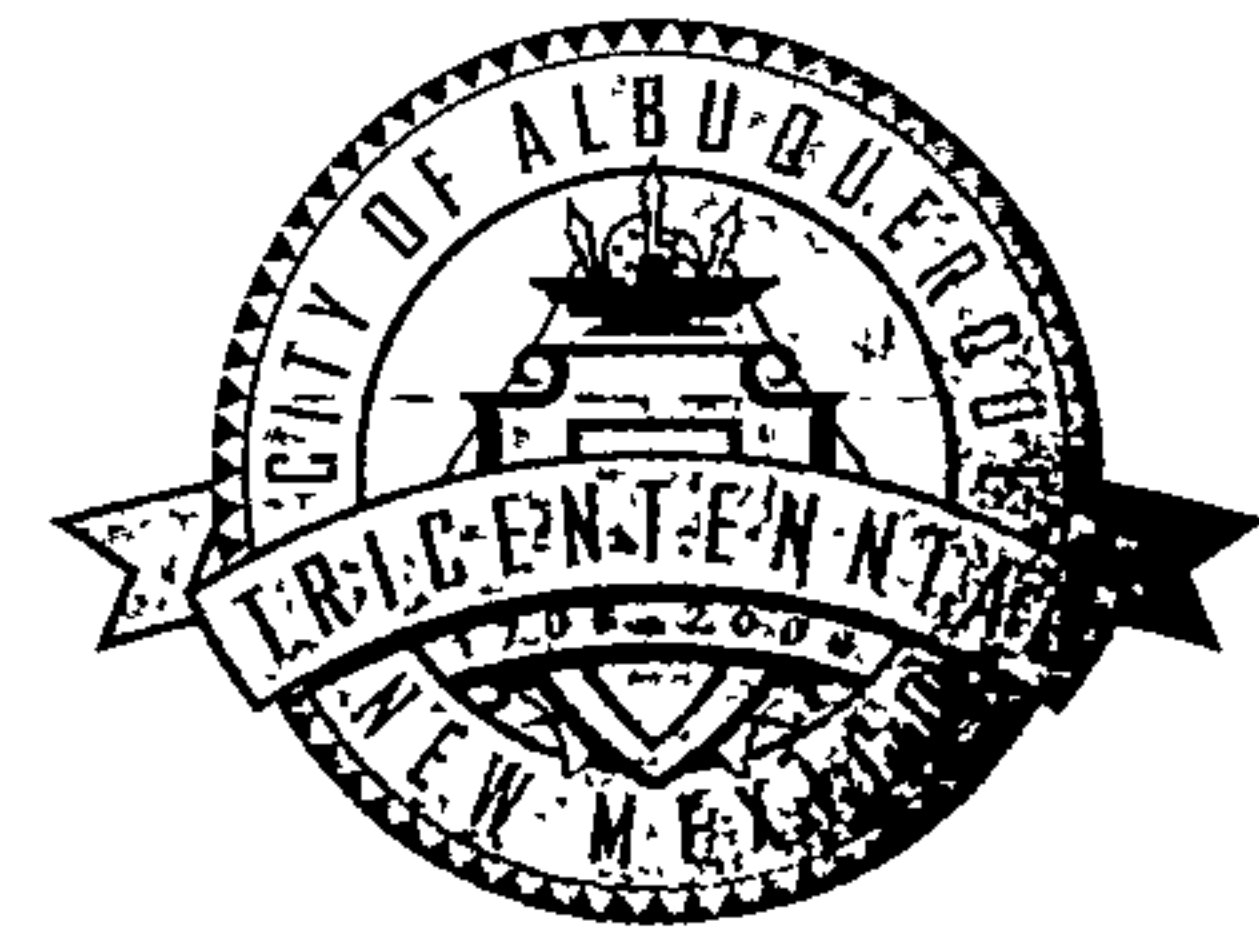
$h = 0.50'$

Opening = $3.50'$

$Q = 3.1(3.50)(0.50)^{3/2}$

$Q = 3.84$ cfs > 3.20 cfs

CITY OF ALBUQUERQUE



**Planning Department
Transportation Development Services Section**

May 2, 2006

Shahab Biazar
Advanced Engineering & Consulting
4416 Anaheim Avenue NE
Albuquerque NM 87113

Re: Traffic Circulation Layout (TCL) Submittal for Building Permit Approval for
Offices and Warehouse for Airport Industrial Park [M-16/D-39]
(2445 Baylor Dr NE), Albuquerque, NM
Engineer's/Architect's Stamp Dated 04-20-06

Dear Biazar,

The TCL submittal dated April 20, 2006 is approved for building permit. The plan is stamped and signed as approved. Two copies of the plan that is stamped as approved will be required: one for each of the building permit plans and the original to be kept by you to be used for certification of the site for final C.O. for Transportation. **Public infrastructure or work done within City Right-of-Way shown on these plans is for information only and is not part of approval. A separate DRC and/or other appropriate permits are required to construct these items.**

If a temporary CO is needed then a copy of the original TCL that was stamped as approved by the City which includes a statement that identifies the outstanding items that need to be constructed or the items that have not been built in "substantial compliance". This statement requires a NM registered architect or engineer stamp to be dated. Submit this TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

When the site is completed and a final C.O. is requested, use the original City stamped approved TCL for certification. A NM registered architect or engineer needs stamp and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924-3306.

Sincerely,

Nilo Salgado-Fernandez, PE
Senior Engineer
Development and Building Services

cc: Hydrology file
File

DRAINAGE INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: LOT 11, BLOCK 1, AIRPORT INDUSTRIAL PARK ZONE ATLAS/DRG. FILE #: M16 / D39
DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: LOT 11, BLOCK 1, AIRPORT INDUSTRIAL PARK

CITY ADDRESS: 2445 BAYLOR DR SE

ENGINEERING FIRM: Advanced Engineering and Consulting, LLC
ADDRESS: 4416 Anaheim Ave., NE
CITY, STATE: Albuquerque, New Mexico

CONTACT: Shahab Biazar
PHONE: (505) 899-5570
ZIP CODE: 87113

OWNER: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

ARCHITECT: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

SURVEYOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CONTRACTOR: _____
ADDRESS: _____
CITY, STATE: _____

CONTACT: _____
PHONE: _____
ZIP CODE: _____

CHECK TYPE OF SUBMITTAL:

CHECK TYPE OF APPROVAL SOUGHT:

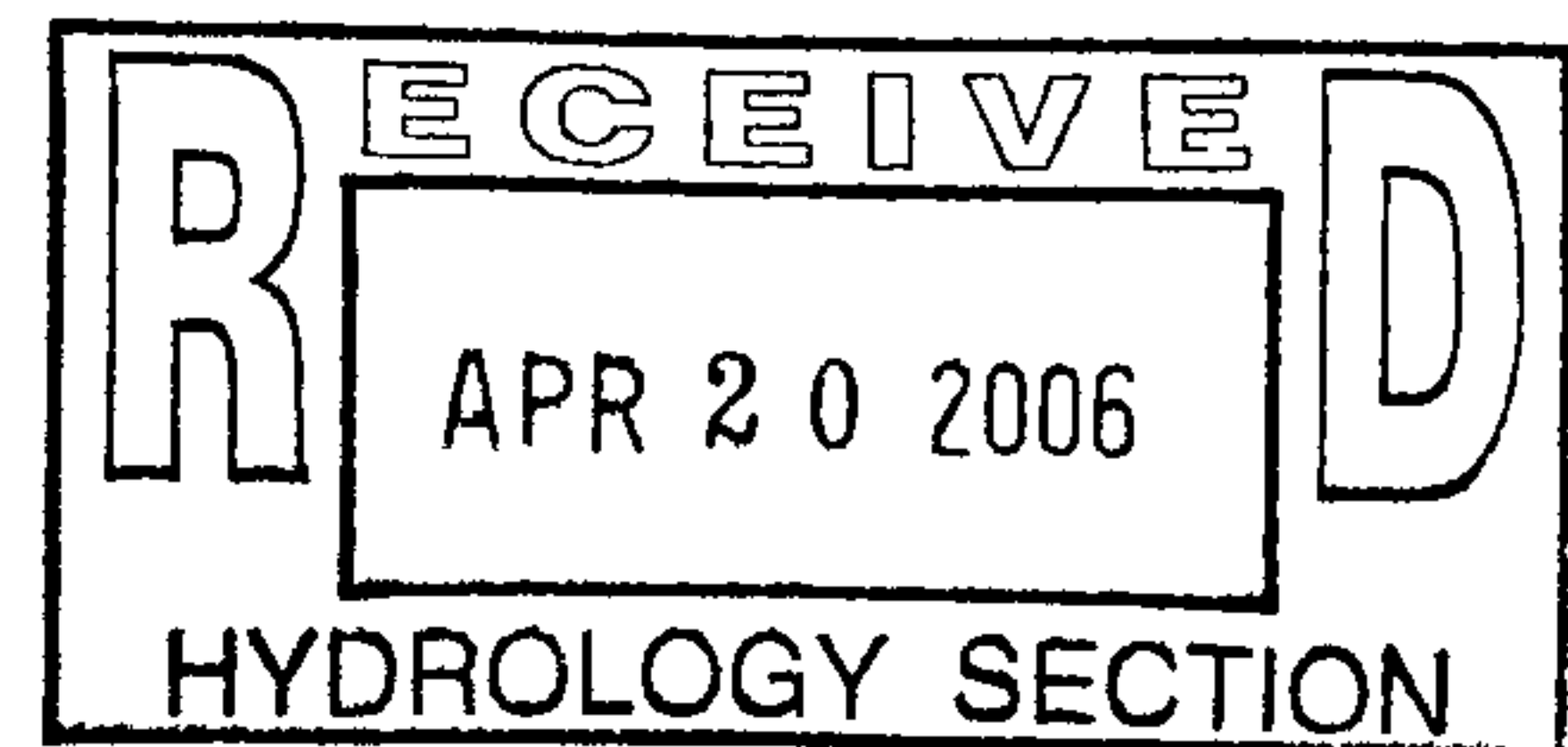
☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1ST SUBMITTAL, REQUIRES TCL OR EQUAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
☐ CLOMR / LOMR
☒ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ ENGINEER'S CERTIFICATION (TCL)
☐ ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
☐ OTHER

☐ 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
☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY (PERM.)
☐ CERTIFICATE OF OCCUPANCY (TEMP.)
☐ GRADING PERMIT APPROVAL
☒ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY)

RESUB.

WAS A PRE-DESIGN CONFERENCE ATTENDED:

☐ YES
☒ NO
☐ COPY PROVIDED



DATE SUBMITTED: 04 / 20 / 2006 BY: Shahab Biazar, P.E.

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 submittals may be required based on the following:

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

Tim -
Return^{file} for
Hydro Review
Thanks Sup

DRAINAGE INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: LOT 11, BLOCK 1, AIRPORT INDUSTRIAL PARK ZONE ATLAS/DRG. FILE #: M16/D39
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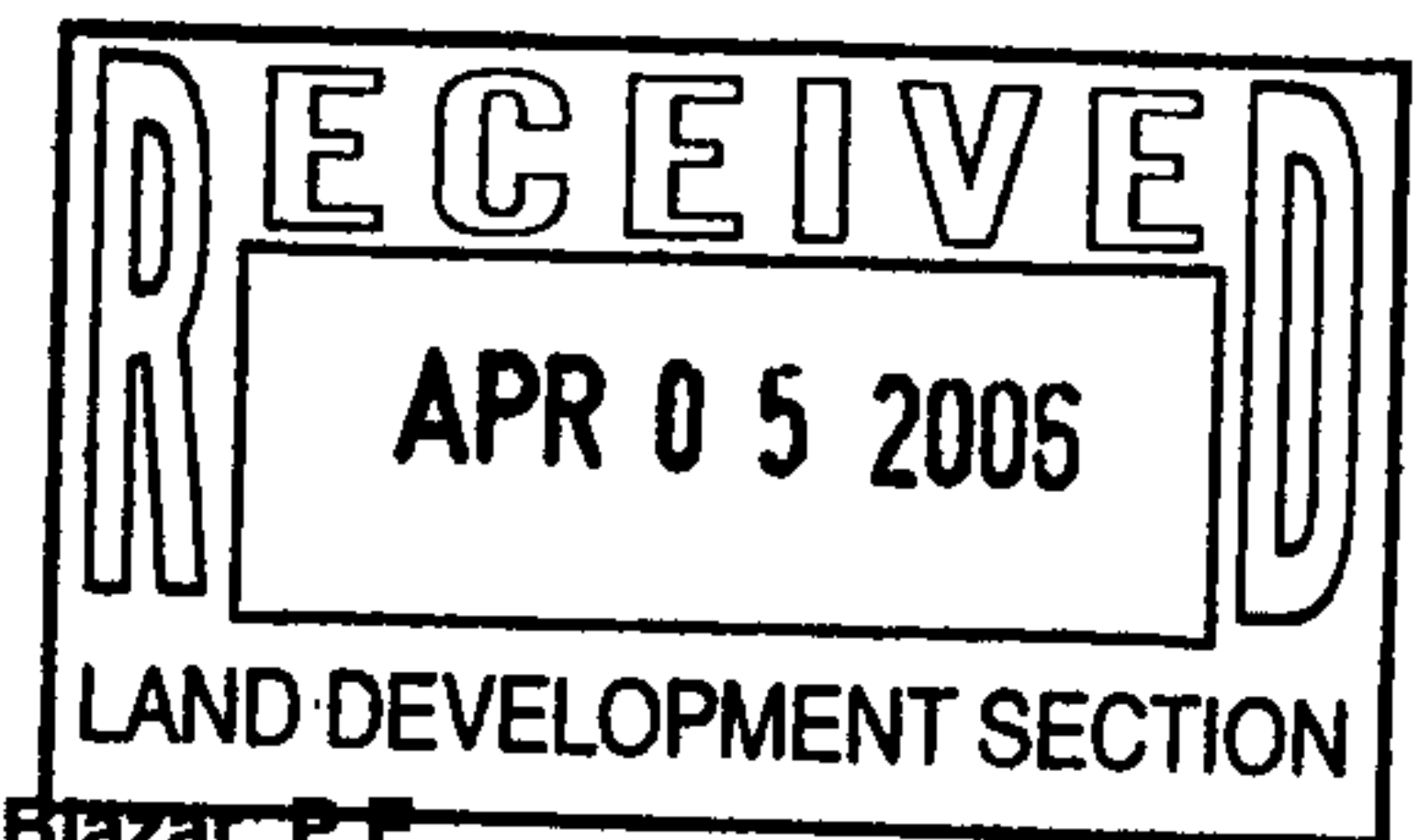
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☐ GRADING PERMIT APPROVAL
☒ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
☒ NO
☐ COPY PROVIDED

DATE SUBMITTED: 04 / 05 / 2006

BY: Shahab Biazar, P.E.



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DRIVEABLE WIDTHS

TRUNCATED DOMES 24" ¹²

CALL OUT ALL CURVES (RADII)

Dimension PARKING STALLS.

EXPLAIN SW CONNECTION TO ON SITE (TO ADA PARKING STALLS)?

W'VILLY GUT (TYP) PER 2420 STD DRW.

EXPLAIN WHAT LOCATION DOES #9 TO #5

TYPE OF PINNED CURB.

ALS LANDSCAPING PROPOSED W/ COA ROW

IF SO PROVIDE CLEAR SITE LINE & DO YOU NEED STREET SCAPE AGREEMENT
ON COA ROW ONLY.

LOCATION OF SIGN NEEDS 2' BACK OF CURB. FOR VEHICLE OVERHANG

COPY OF
PLAN TO
SHOW
&
VERBAL

