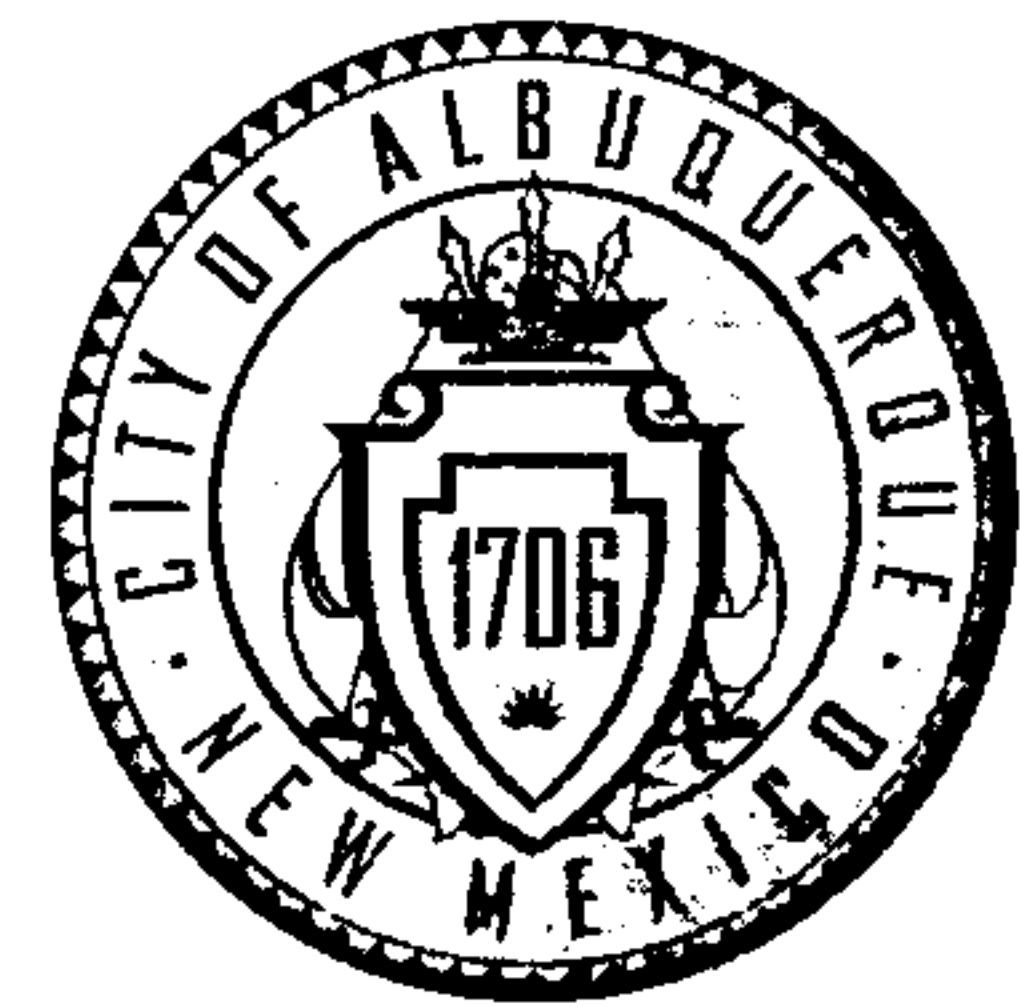


CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

August 24, 2016

Reza Afaghpour, PE
SBS Construction and Engineering, LLC
10209 Snowflake Ct NW
Albuquerque, NM 87114

**Re: Heidi's Raspberry Jam Parking Addition
3427 Vassar Dr. NE
Grading & Drainage Plan
Engineer's Stamp dated: 8-17-16 (G16D030)**

Dear Mr. Afaghpour,

Based upon the information provided in your submittal received 8/18/2016, this plan is approved for Grading Permit and Paving Permit.

PO Box 1293

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

Albuquerque

When completed please provide a paper copy and a PDF of the as-build for our records.

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3698.

New Mexico 87103

Sincerely,

www.cabq.gov

Abiel Carrillo, P.E.
Principal Engineer
Planning Department

C: RR/AC
email

VOLUME CALCULATIONS FOR 10-DAY STORM

(UNDER EXISTING CONDITIONS)

DRAINAGE BASINS

| SUB-BASIN | AREA (SF) | AREA (AC-FT) | AREA (MI ²) |
|-------------|-----------|--------------|-------------------------|
| RESIDENTIAL | 21,700.74 | 0.4982 | 0.000778 |

$$E = \frac{EA(AA) + EB(AB) + EC(AC) + ED(AD)}{AA + AB + AC + AD}$$

$$V-360 = E (AA + AB + AC + AD)$$

$$V-10 \text{ Day} = V-360 + AD (P-10 \text{ Day} - P-360) / 12 \text{ in/ft}$$

$$EA = 0.53$$

$$EB = 0.78$$

$$EC = 1.13$$

$$ED = 2.12$$

$$AA = 0.00\%$$

$$AB = 0.00\%$$

$$AC = 31.15\%$$

$$AD = 68.85\%$$

$$P-60 = 2.01$$

$$P-360 = 2.35$$

$$P-1440 = 2.75$$

$$P-10 \text{ Day} = 3.95$$

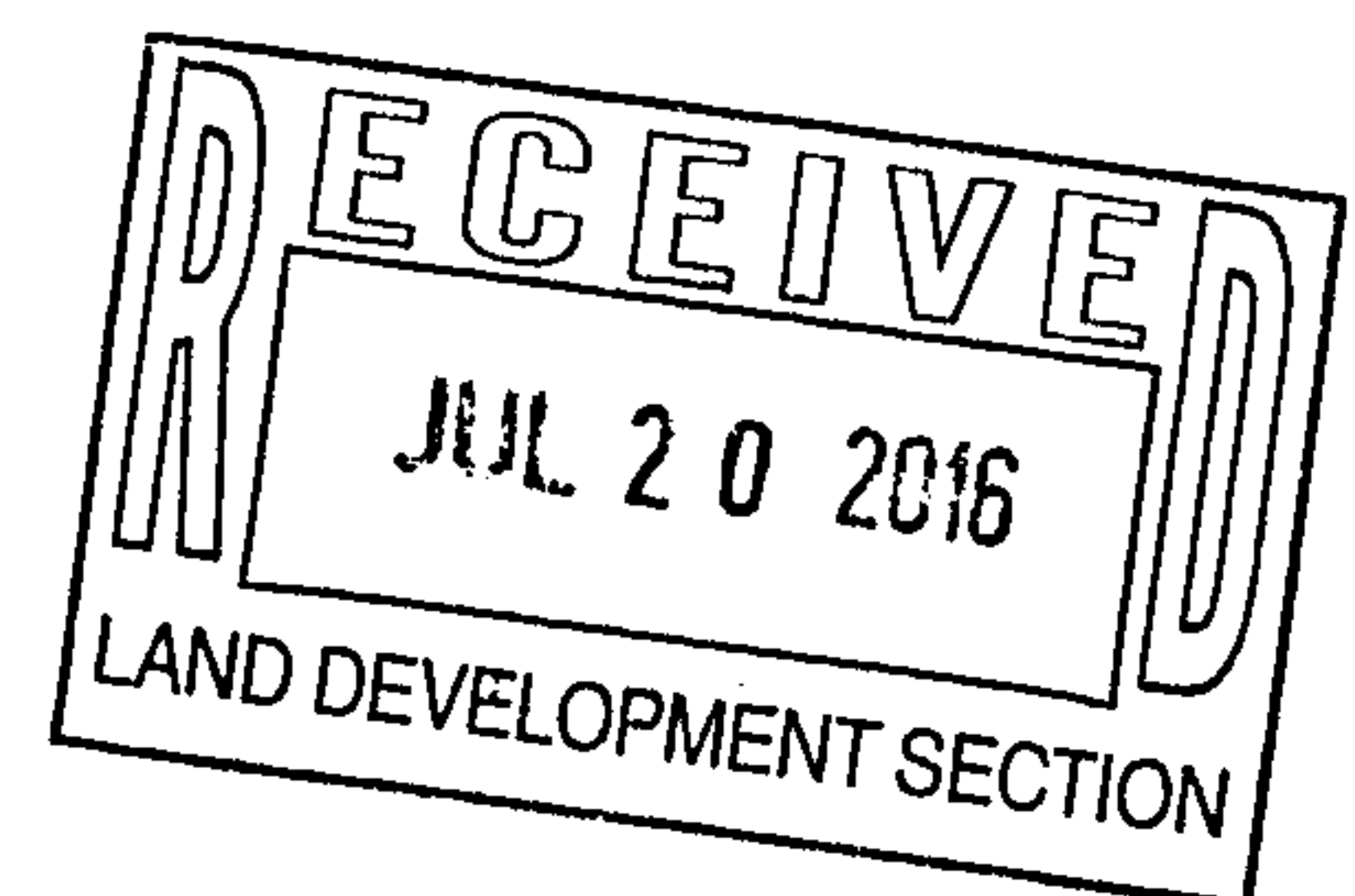
$$E = 1.8116 \quad \text{IN}$$

$$V-360 = 0.0752 \quad \text{AC-FT}$$

$$AD = 0.3430 \quad \text{AC}$$

$$V-10 \text{ Day} = 0.1209 \quad \text{AC-FT}$$

$$V-10 \text{ DAY} = 5,268.24 \quad \text{CF}$$



PONDING REQUIREMENT:

$$(V-PROPOSED) - (V-EXISTING) =$$

$$\text{PONDING REQUIREMENT} =$$

$$6195.56 - 5268.24$$

$$927.32 \text{ CF}$$

$$0.02129 \text{ AC-FT}$$

VOLUME CALCULATIONS FOR 10-DAY STORM

(UNDER PROPOSED CONDITIONS)

DRAINAGE BASINS

| SUB-BASIN | AREA (SF) | AREA (AC-FT) | AREA (MI ²) |
|-------------|-----------|--------------|-------------------------|
| RESIDENTIAL | 21,700.74 | 0.4982 | 0.000778 |

$$E = \frac{EA(AA) + EB(AB) + EC(AC) + ED(AD)}{AA + AB + AC + AD}$$

$$V-360 = E (AA + AB + AC + AD)$$

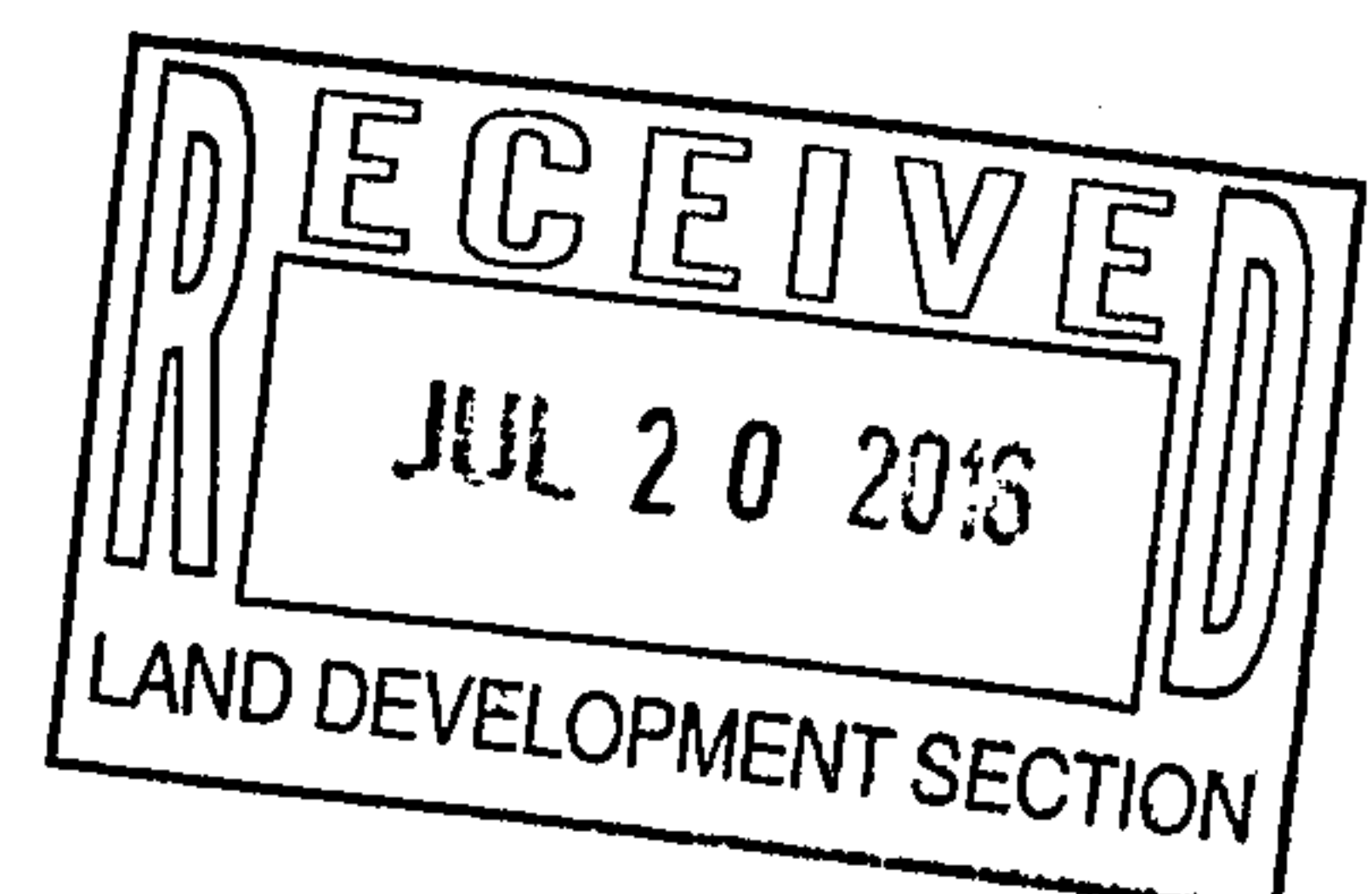
$$V-10 \text{ Day} = V-360 + AD (P-10 \text{ Day} - P-360) / 12 \text{ in/ft}$$

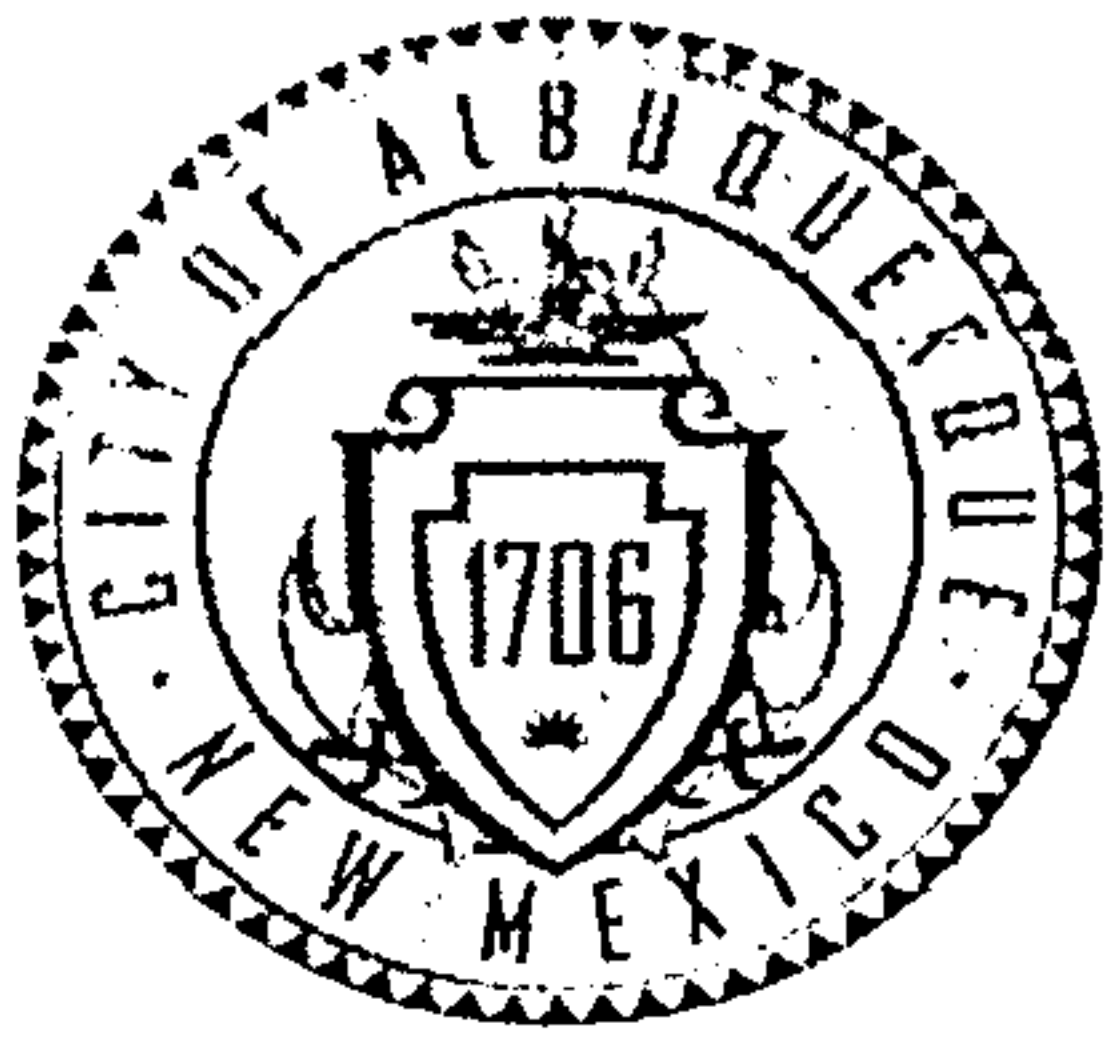
EA = 0.53
 EB = 0.78
 EC = 1.13
 ED = 2.12

AA = 0.00%
 AB = 10.00%
 AC = 0.00%
 AD = 90.00%

P-60 = 2.01
 P-360 = 2.35
 P-1440 = 2.75
 P-10 Day = 3.95

| | | |
|------------|----------|-------|
| E = | 1.9860 | IN |
| V-360 = | 0.0824 | AC-FT |
| AD = | 0.4484 | AC |
| V-10 Day = | 0.1422 | AC-FT |
| V-10 DAY = | 6,195.56 | CF |





City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

Project Title: HEIDI'S RASPBERRYJAM PARKING ADD. Building Permit #: _____ Hydrology File #: 6160030
DRB#: _____ EPC#: _____ Work Order#: _____
Legal Description: TBK AS LOT N-65-A, COLES INDUSTRIAL SUBDIVISION NO.2
City Address: 3427 VASSAR DR., NE

Applicant: SBS CONSTRUCTION AND ENGINEERING, LLC Contact: SHAWN BIAZAR
Address: 10209 SNOWFLAKE CT., NW, ALBUQUERQUE, NM 87114
Phone#: (505) 804-5013 Fax#: (505) 897-4996 E-mail: AECLLC@AOL.COM
Other Contact: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☒ DRAINAGE REPORT
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: 7-20-2016 By: SHAWN BIAZAR

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☒ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☒ PRE-DESIGN MEETING?
☐ OTHER (SPECIFY) _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____