

# CITY OF ALBUQUERQUE



August 11, 2015

David Soule, P.E.  
Rio Grande Engineering  
PO Box 93924  
Albuquerque, New Mexico 87199

RE: **Parking Lot for 6<sup>th</sup> St/Fruit Ave**  
**6th St/Fruit Ave**  
**Grading and Drainage Plan**  
**Engineers Stamp Date 8/4/15 (J14D177)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/4/15, this plan cannot be approved for Grading Permit or Paving Permit until the following comments are addressed.

- Provide a larger font for the Drainage Calculation Sheet. ~~Not complete~~
- In the narrative a new home being built is mentioned. Where is the home located in this parking lot? ~~Not answered~~
- The first flush pond to the south shows a TOP = 4957.00 and a BOTTOM = 4056.00, I hope this is a typo, adjust accordingly. ~~Not answered~~
- The three ponds to the east have a TOP shown larger than the spot elevation provided next to the ponds, adjust accordingly. ✓
- Is the lot being paved, or kept as is? Are parking bumpers supplied? The alley will need to be paved. A TCL is required. ~~Not answered~~
- Provide the benchmark. ~~Not answered~~
- How will erosion, dirt, dust from the parking lot be kept out of the right of way (6<sup>th</sup> St.)? ~~Not answered~~

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

Sincerely,

Rita Harmon, P.E.  
Senior Engineer, Hydrology  
Planning Department

RR/RH  
C: File



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

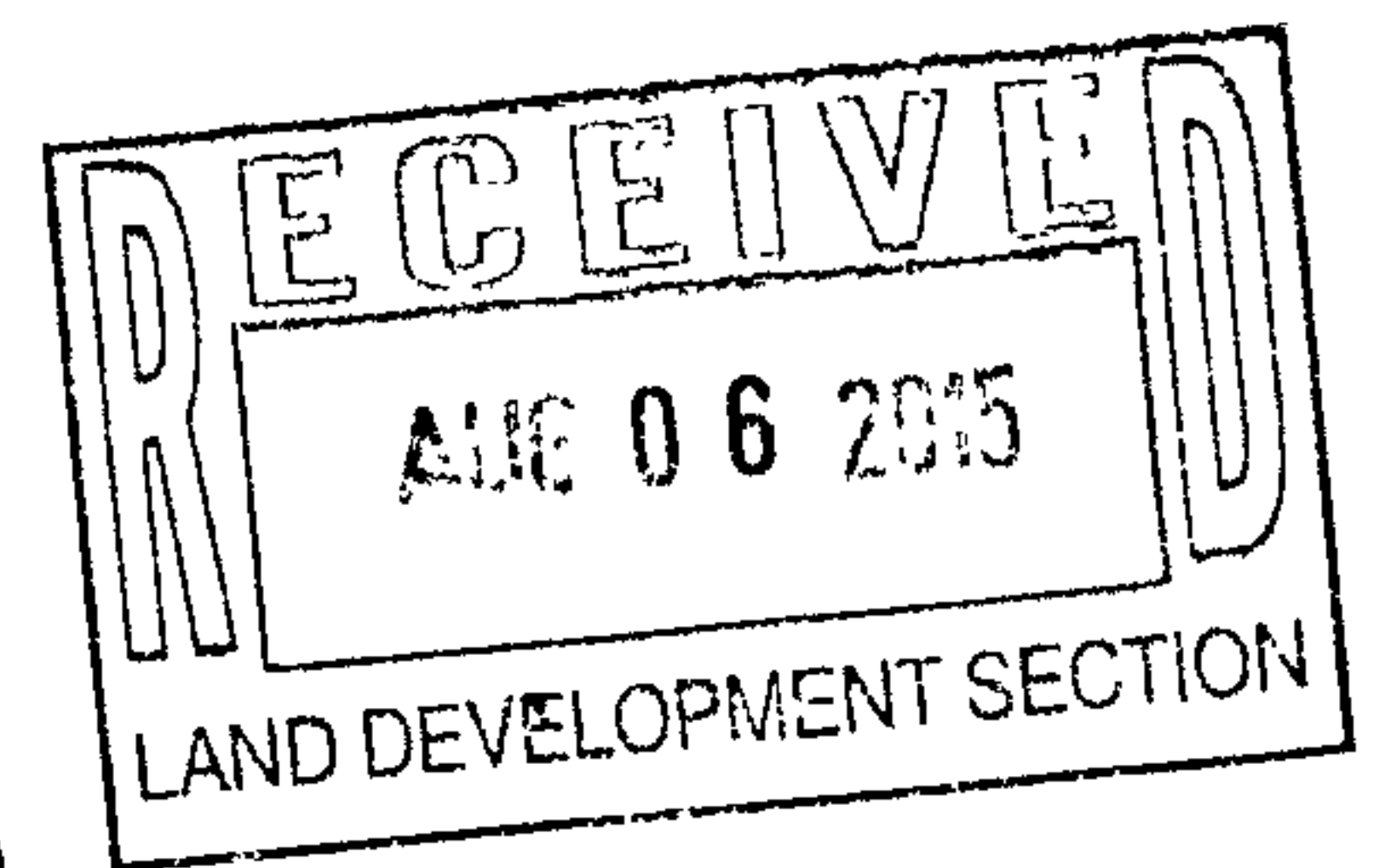
Project Title: \_\_\_\_\_ Building Permit #: \_\_\_\_\_ City Drainage #: J14D177  
DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: Lot # 212-216 Bk # 18-P JPC # 101405812211232907  
City Address: 605 6th St SW  
Engineering Firm: David Soule Rio Grand ENGR Contact: David  
Address: 1606 Central Ave  
Phone#: 872-0999 Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Owner: 6th & Fruit LLC Contact: Carlos Zentella  
Address: PO Box 40324  
Phone#: 304-2319 Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Architect: \_\_\_\_\_ Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Surveyor: \_\_\_\_\_ Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Contractor: EB Paving Inc. Contact: Junior Baca  
Address: 7311 Silverton SE  
Phone#: 269-5872 Fax#: 888-453-0567 E-mail: \_\_\_\_\_

### TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL G & D PLAN
- ☒ GRADING PLAN
- ☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ ENGINEER'S CERT (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEER'S CERT (TCL)
- ☐ ENGINEER'S CERT (DRB SITE PLAN)
- ☐ ENGINEER'S CERT (ESC)
- ☐ SO-19
- ☐ OTHER (SPECIFY) \_\_\_\_\_

### CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D APPROVAL
- ☐ S. DEV. FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM)
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- ☐ FOUNDATION PERMIT APPROVAL
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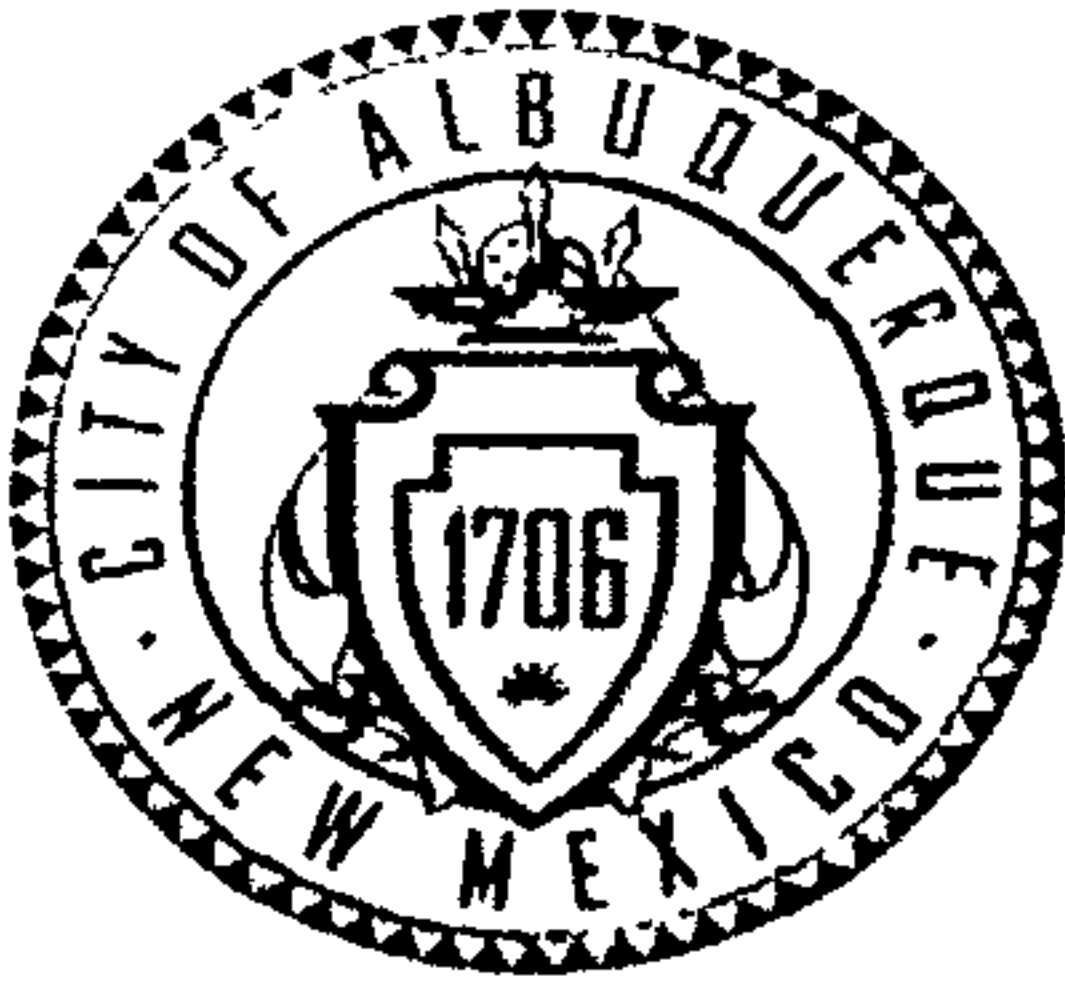


WAS A PRE-DESIGN CONFERENCE ATTENDED: \_\_\_\_\_ Yes ☒ No \_\_\_\_\_ Copy Provided \_\_\_\_\_

DATE SUBMITTED: \_\_\_\_\_ By: \_\_\_\_\_

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to 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:

1. **Conceptual Grading and Drainage Plan.** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
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# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: FRUIT PARKING LOT Building Permit #: \_\_\_\_\_ City Drainage #: 214D177  
DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_  
Legal Description: LOTS 212-216 ARMIJO BROTHERS Addition  
City Address: 605 SIXTH STREET NW

Engineering Firm: RIO GRANDE ENGINEERING Contact: DAVID SOULE  
Address: PO BOX 93924, ALBUQUERQUE, NM 87199  
Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: DAVID@RIOGRANDEENGINEERING.COM

Owner: 6TH & FRUIT LLC A NEW MEXICO LIMITED LIABILITY COMPANY Contact: \_\_\_\_\_  
Address: 5908 GRAN QUIVIRA NW 87120  
Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Architect: \_\_\_\_\_ Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Surveyor: CONSTRUCTION SURVEY INCORPORATED Contact: JOHN GALLEGOS  
Address: \_\_\_\_\_  
Phone#: 917.8921 Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

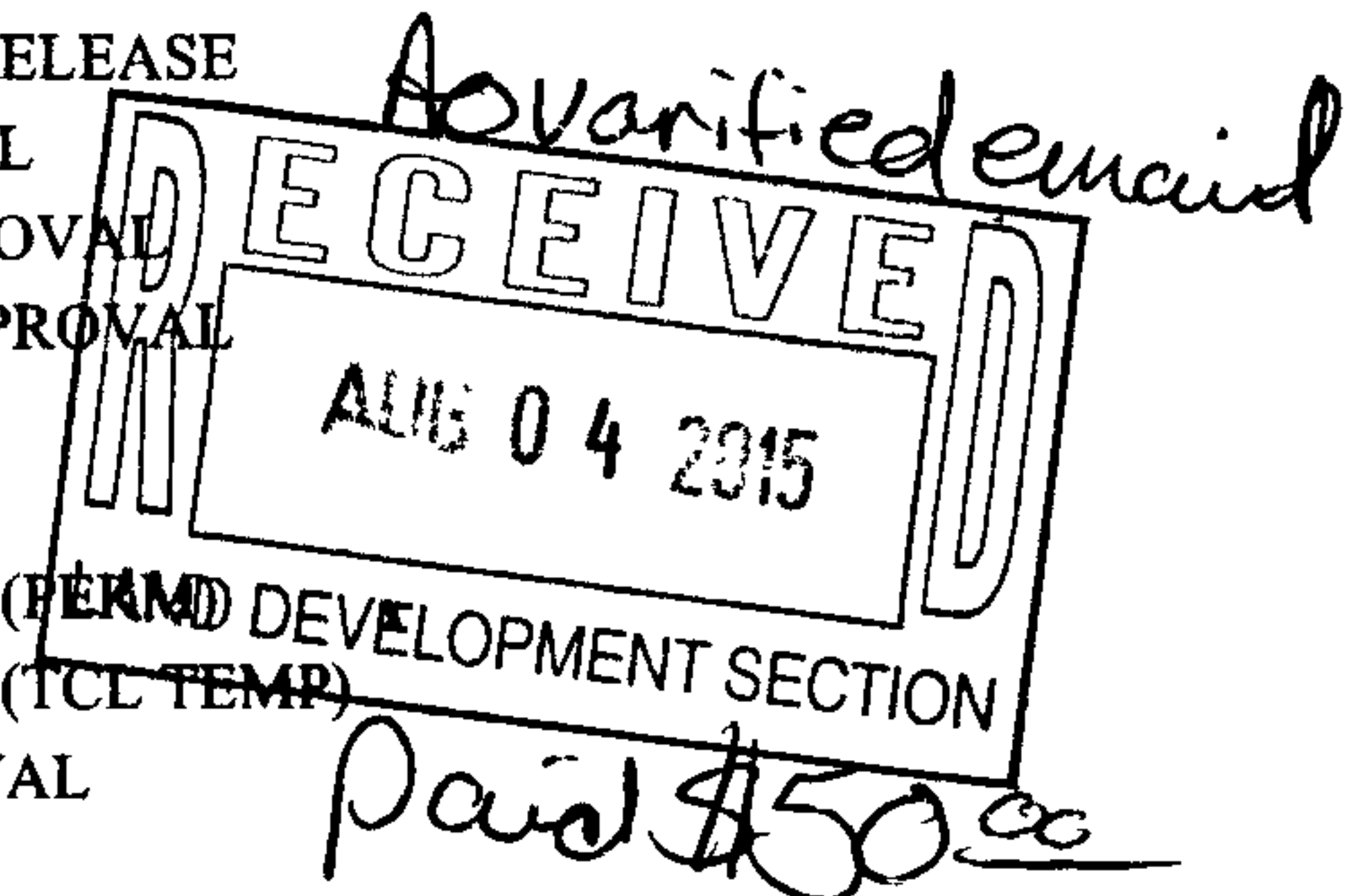
Contractor: \_\_\_\_\_ Contact: \_\_\_\_\_  
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☐ ENGINEER'S CERT (HYDROLOGY)  
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DATE SUBMITTED: 8/4/15 By: \_\_\_\_\_

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# CITY OF ALBUQUERQUE



August 24, 2015

David Soule, P.E.  
Rio Grande Engineering  
PO Box 93924  
Albuquerque, New Mexico 87199

**RE: Fruit Parking Lot  
605 6<sup>th</sup> St NW  
Grading and Drainage Plan  
Engineers Stamp Date 8/18/15 (J14D177)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/2/15, this plan is approved for Grading Permit and Paving Permit.

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

Prior to release of this site an As-build plan will be required with an Engineer Certification showing the new bottom of pond elevation.

PO Box 1293

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New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

Sincerely,

Rita Harmon, P.E.  
Senior Engineer, Albuquerque  
Planning Department

RR/RH  
C: File



# City of Albuquerque

Planning Department

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(REV 02/2013)

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DRB#: \_\_\_\_\_ EPC#: \_\_\_\_\_ Work Order#: \_\_\_\_\_

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City Address: 605 SIXTH STREET NW

Engineering Firm: RIO GRANDE ENGINEERING Contact: DAVID SOULE

Address: PO BOX 93924, ALBUQUERQUE, NM 87199

Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: DAVID@RIOGRANDEENGINEERING.COM

Owner: 6TH & FRUIT LLC A NEW MEXICO LIMITED LIABILITY COMPANY Contact: \_\_\_\_\_

Address: 5908 GRAN QUIVIRA NW 87120

Phone#: \_\_\_\_\_ Fax#: \_\_\_\_\_ E-mail: \_\_\_\_\_

Architect: \_\_\_\_\_ Contact: \_\_\_\_\_

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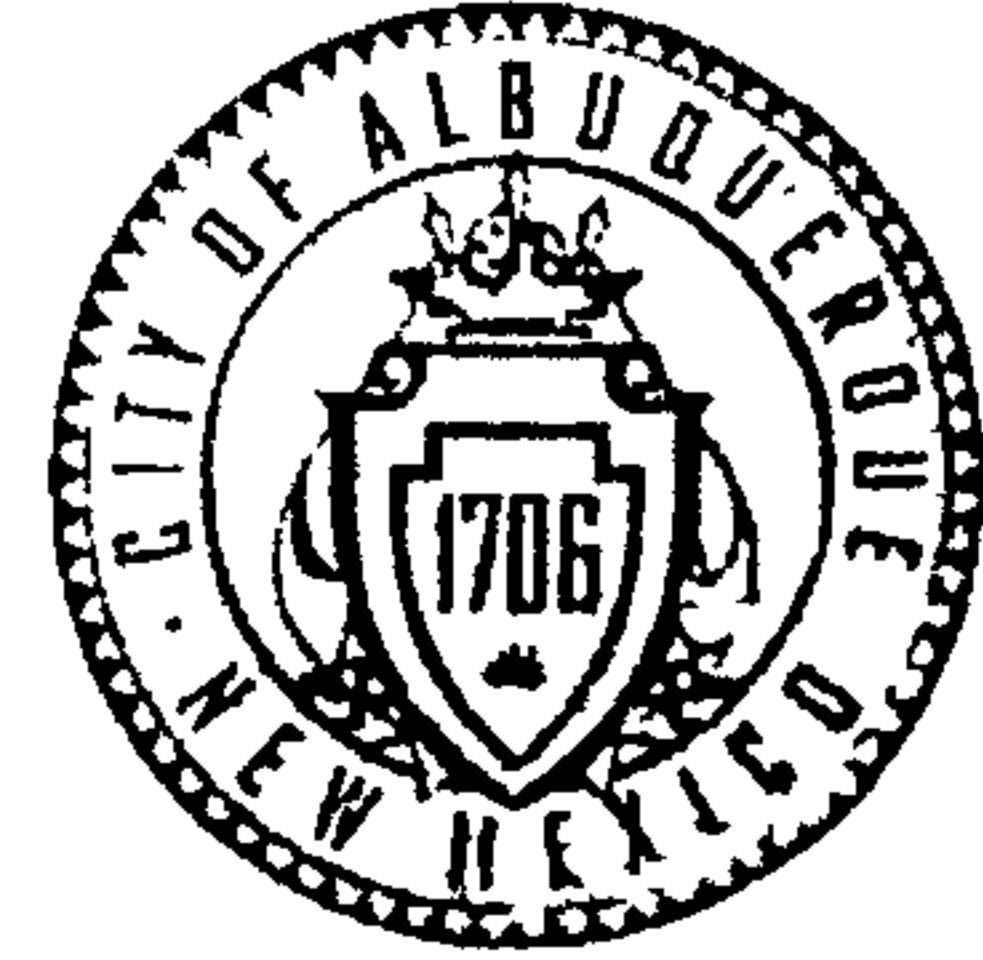
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RE: **Parking Lot for 6<sup>th</sup> St/Fruit Ave**  
**6th St/Fruit Ave**  
**Grading and Drainage Plan**  
**Engineers Stamp Date 8/4/15 (J14D177)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/4/15, this plan cannot be approved for Grading Permit or Paving Permit until the following comments are addressed.

- Provide a larger font for the Drainage Calculation Sheet. **ADDED**
- In the narrative a new home being built is mentioned. Where is the home located in this parking lot? **CORRECTED**
- The first flush pond to the south shows a TOP = 4957.00 and a BOTTOM = 4056.00, I hope this is a typo, adjust accordingly. **CORRECTED**
- The three ponds to the east have a TOP shown larger than the spot elevation provided next to the ponds, adjust accordingly. **CORRECTED**
- Is the lot being paved, or kept as is? Are parking bumpers supplied? The alley will need to be paved. A TCL is required. **INCLUDED TCL**
- Provide the benchmark. **ADDED**
- How will erosion, dirt, dust from the parking lot be kept out of the right of way (6<sup>th</sup> St.)? **INCLUDED LANDSCAPE PLAN TO SHOW GRAVEL**

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Albuquerque

New Mexico 87103

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If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

Sincerely,

Rita Harmon, P.E.  
Senior Engineer, Hydrology  
Planning Department

RR/RH  
C: File

Weighted E Method  
FRUIT PARKING LOT REPAVE

Existing Developed Basins

|                        |              |                 |             |         |             |         |             |         |             |         | 100-Year, 6-hr.       |                   |             |
|------------------------|--------------|-----------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-----------------------|-------------------|-------------|
| Basin                  | Area<br>(sf) | Area<br>(acres) | Treatment A |         | Treatment B |         | Treatment C |         | Treatment D |         | Weighted E<br>(ac-ft) | Volume<br>(ac-ft) | Flow<br>cfs |
|                        |              |                 | %           | (acres) | %           | (acres) | %           | (acres) | %           | (acres) |                       |                   |             |
| EXISTING               | 17026        | 0.391           | 0%          | 0       | 0.0%        | 0.000   | 0.0%        | 0       | 100%        | 0.391   | 2.120                 | 0.069             | 1.84        |
| PROPOSED               | 17026        | 0.391           | 0%          | 0       | 0.0%        | 0.000   | 15.0%       | 0.05863 | 85%         | 0.332   | 1.972                 | 0.064             | 1.75        |
| HARVEST AREAS RETAINED | 2557         | 0.059           | 0%          | 0       | 0.0%        | 0.038   | 100.0%      | 0.0587  | 0%          | 0.019   | 2.321                 | 0.011             | 0.36        |
| ALLOWABLE DISCHARGE    |              |                 |             |         |             |         |             |         |             |         |                       |                   | 1.07        |
| Equations:             |              |                 |             |         |             |         |             |         |             |         | ACTUAL DISCHARGE      |                   | 1.39        |

Weighted E = Ea\*Aa + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area)

Volume = Weighted D \* Total Area

FIRST FLUSH VOLUME= 410 CF  
VOLUME PROVIDED 730 CF

Flow = Qa \* Aa + Qb \* Ab + Qc \* Ac + Qd \* Ad

Where for 100-year, 6-hour storm (zone 2)

|          |          |
|----------|----------|
| Ea= 0.53 | Qa= 1.57 |
| Eb= 0.78 | Qb= 2.28 |
| Ec= 1.13 | Qc= 3.14 |
| Ed= 2.12 | Qd= 4.7  |

NARRATIVE

THIS IS A REPAVING/ REPAIRE AN EXISTING INFILL LOT. THIS LOT WAS FULLY DEVELOPED IN THE PAST, BUT THE PAVMENT HAS BEEN DESINTIGRATED AND IS HARD PACKED TYPE D LAND TREATEMENT. WE ARE PROPOSING 730 CUBIC FEET OF FIRST FLUSH VOLUMES AND 15% DEPRESSED LANDSCAPE AREAS. THE IMPROVEMENTS WILL REDUCED DISCHARGE TO LESS THAN EXISTING, AND .32 CFS HIGHER THAN THE 2.75 CFS PER ACRE SPECIFIED IN THE NORTH VALLEY, SINCE THIS A REPAVE OF AN EXISTING PARKING L FEEL A REDUCTION FROM HISTORICAL IS APPROPRIATE