

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

June 21, 2016

Robert Fierro
Fierro & Company
6300 Montano Rd NW
Albuquerque NM, 87104

RE: **Plaza Hacienda at Old Town**
1919 Old Town Rd NW
Grading and Drainage Exhibit
Engineers Stamp Date 6/2/16 (J13D037)

Dear Mr. Fierro,

Based upon the information provided in your submittal received 6/2/16, this exhibit is approved for Grading Permit, Paving Permit and Building Permit. For future submittals follow the submittal process in Chapter 22 of the City of Albuquerque's Development Process Manual (DPM).

Please inform the Architect/Owner or the contractor to attach a copy of this approved plan dated 6/2/16 to the construction sets in the permitting process prior to sign-off by Hydrology. If this plan is not with the construction plan sets the permitting process will be held up until the plan is provided.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, please contact me at 924-3686 or Rudy Rael at 924-3977.

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Hydrology
Planning Department

RR/AC
C: File



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

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) _____

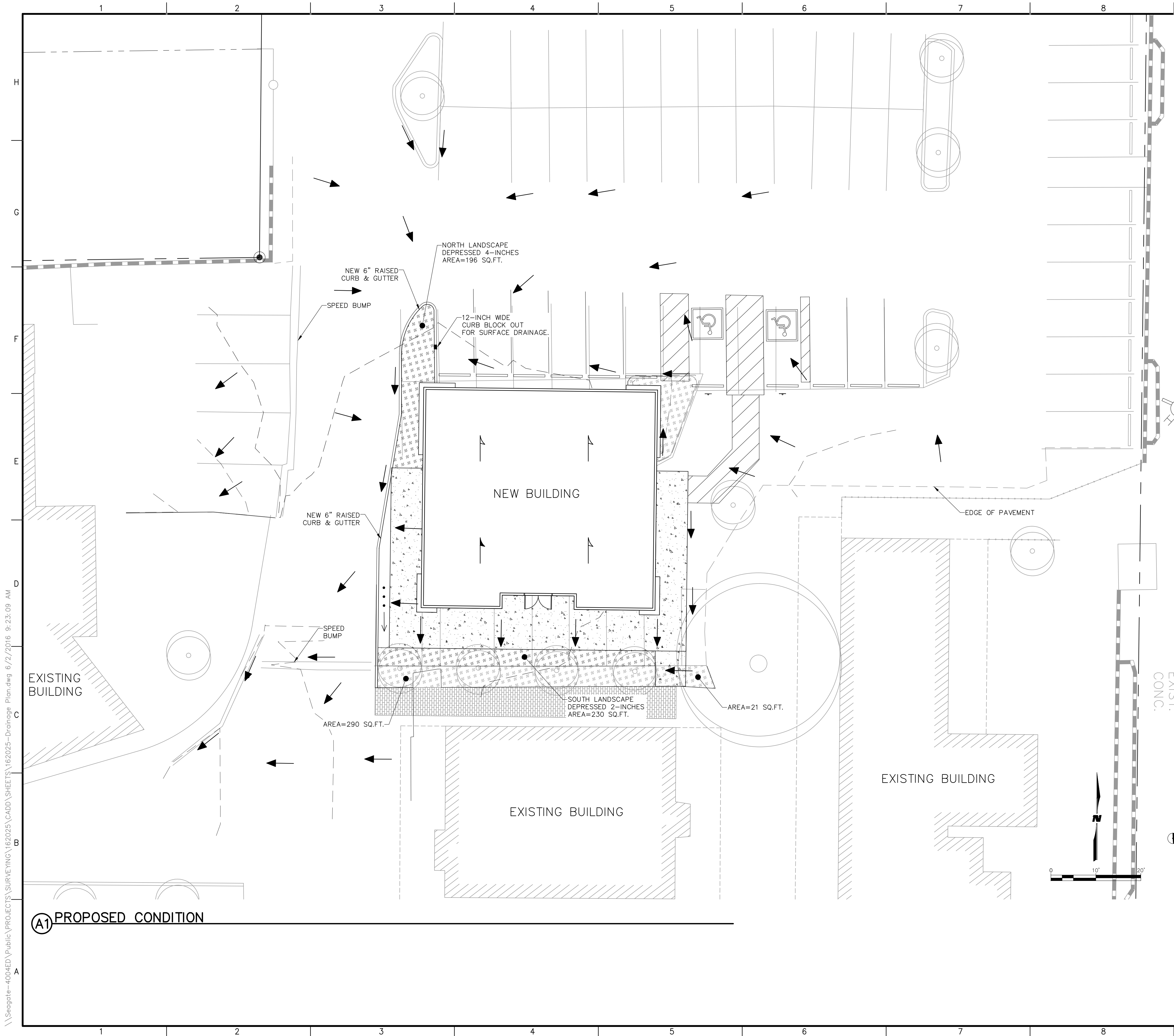
CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ 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) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____



(A1) PROPOSED CONDITION

FIRST FLUSH STORAGE:

NORTH LANDSCAPING PONDING
NORTH LANDSCAPING PONDING AREA=196 SQ.FT.
NEW LAND TREATMENT "D" CAPTURED BY POND
AREA = 2,500 SQ.FT
WATER QUALITY STORAGE NEEDED=2,500 SQ.FT. (.34')*(1'/12")=70.8 CU.FT.
WATER QUALITY STORAGE PROVIDED(4-INCHES DEPTH)=65.3 CU.FT.

$$WQ_{\text{PROVIDED}} (65.3 \text{ CU.FT.}) \approx WQ_{\text{NEEDED}} (70.8 \text{ CU.FT.})$$

SOUTH LANDSCAPING PONDING

NORTH LANDSCAPING PONDING AREA=230 SQ.FT.
NEW LAND TREATMENT "D" CAPTURED BY POND
AREA = 1,130 SQ.FT
WATER QUALITY STORAGE NEEDED=1,130 SQ.FT. $(.34") \times (1'/12") = 32.0$ CU.FT.
WATER QUALITY STORAGE PROVIDED(2-INCH DEPTH)=38.3 CU.FT.

$$WQ_{\text{PROVIDED}} (38.3 \text{ CU.FT.}) \approx WQ_{\text{NEEDED}} (32.0 \text{ CU.FT.})$$

TOTAL WQ_{PROVIDED} (103.6 CU.FT.) > WQ_{NEEDED} (102.8 CU.FT.)

LAND TREATMENT NET CHANGE:

EXISTING CONDITION

EXISTING LANDSCAPING = 586 SQ.FT.

PROPOSED CONDITION

EXISTING LANDSCAPING = 311 SQ.FT.
PROPOSED LANDSCAPING = 426 SQ.FT.
TOTAL = 737 SQ.FT.

NET CHANGE 151 SQ.FT. OF ADDITIONAL LANDSCAPING.

NARRATIVE



PIERRO & COMPANY, LLC HAD A PRE-DESIGN CONFERENCE WAS HELD WITH THE CITY'S PRINCIPAL ENGINEER TO DISCUSS THE SUBMITTAL REQUIREMENTS FOR THIS PROJECT. A DRAINAGE EXHIBIT WAS DETERMINED TO BE ACCEPTABLE FOR THIS PROJECT, SINCE 1) THE NEW BUILDING IS PROPOSED TO BE LOCATED ON AN EXISTING PAVED PARKING LOT, 2) THE NET CHANGE OF LAND TREATMENT D WILL BE POSITIVE, AND THE IMPROVEMENTS WILL PROVIDE STORAGE FOR THE FIRST FLUSH.

THIS DRAINAGE EXHIBIT ILLUSTRATES THAT THE 1)CITY'S FIRST FLUSH REQUIREMENT HAS BEEN SATISFIED, 2) THE NET CHANGE IN LANDSCAPING INCREASED BY 151 SQ.FT., AND 3) THE EXISTING DRAINAGE PATTERN REMAINS THE SAME UNDER THE PROPOSED CONDITION.

THIS DRAINAGE EXHIBIT IS BEING SUBMITTED TO SEEK BUILDING PERMIT APPROVAL.

LEGEND

-
- PROPERTY BOUNDARY
 - SWALE
 - EXISTING MAJOR CONTOUR (INTERVAL 2.5')
 - EXISTING MINOR CONTOUR (INTERVAL 0.5')
 - ROOF FLOW DIRECTION
 - SURFACE FLOW DIRECTION

-  EXISTING LANDSCAPING.
-  NEW DEPRESSED LANDSCAPING.

- 
- EXISTING TREE

[FC]

Fierro & Company
ENGINEERING | LAND SURVEYING

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ALBUQUERQUE, NEW MEXICO 87120
PH (505) 352-8930
www.fierrocompany.com



ENGINEER'S SEAL

PLAZA HACIENDA ADDITION
AT OLD TOWN
ALBUQUERQUE, NEW MEXICO

[illegible]

PROJECT NO:	162025
DESIGNED BY:	RJF
DRAWN BY:	RJF
CHECKED BY:	RJF
DATE:	JUNE 2016

SHEET TITLE

DRAINAGE
EXHIBIT

SHEET NO:

2 of 2