CITY OF ALBUQUERQUE





April 30, 2015

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

RE: Starbucks and Burger King, Tract 338-B, 1000 Rio Grande Blvd. SE Grading and Drainage Plan Engineer's Stamp Date 3-30-2015 (File: H13-D021)

Dear Mr. Afaghpour:

Based upon the information provided in your submittal received 4-01-15, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

PO Box 1293

1) Provide a survey benchmark and existing spot elevations along the entire site perimeter. These are particularly important at the north and eastern boundaries. Also, provide existing curb elevations on Rio Grande Blvd.

Albuquerque

2) A sidewalk culvert needs to be provided from Pond D to Rio Grande Blvd. Call out COA Std. Dwg. 2236 for the sidewalk culvert. In the valley, a maximum discharge rate of 2.75 cfs/acre from the site can be allowed, or ½ inches of runoff can be retained. It is preferable to discharge a rate of 2.75 cfs/acre from the site.

New Mexico 87103

3) Indicate the floodplain boundary in the legend. Because you are constructing in the floodzone, please request a floodplain permit. An elevation certificate must be provided prior to Certificate of Occupancy. Additionally, for any fill you are bringing into the floodplain area, a compensatory volume of excavation must be provided. Please discuss how you are addressing this in the write-up.

www.cabq.gov

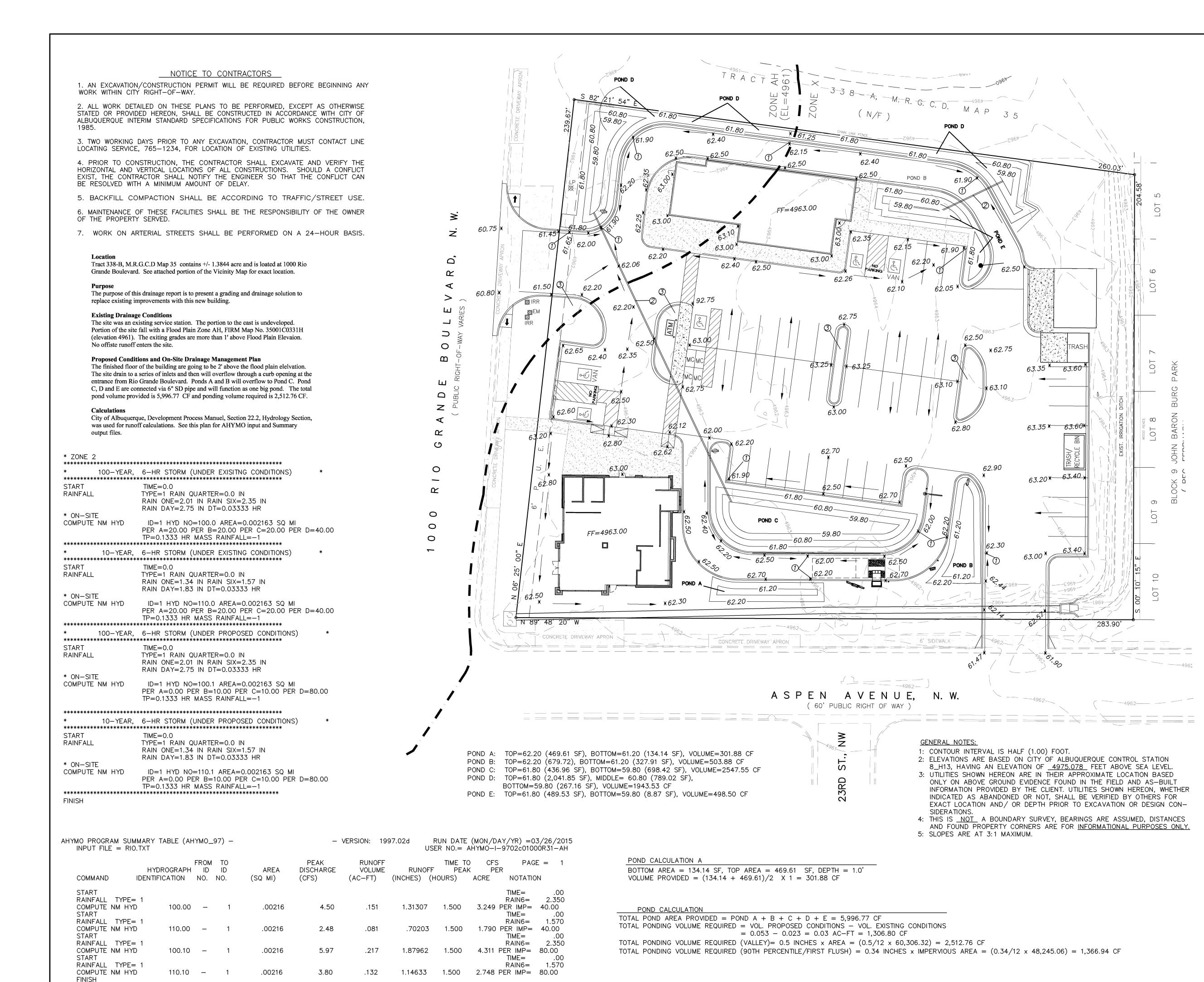
- 4) If the pipe between Ponds D and C is meant to be an equalizer pipe, a larger size of pipe than 6" would be recommended. Explain the pipe's capacity to function as an equalizer pipe. Also, provide invert elevations at all on-site pipes.
- 5) Show the direction that the roofs drain. Indicate which ponds are retaining the first flush pond volume and note it on the plan view along with the first flush volume per pond.

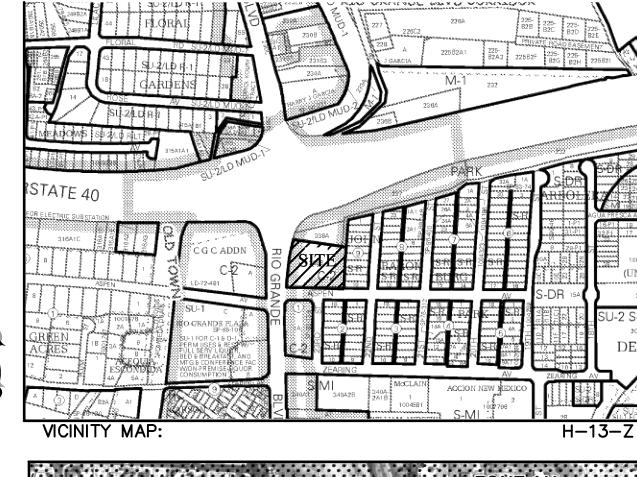
- 6) Show the existing pipe and pipe size for the irrigation pipe under the new driveway to Aspen Avenue to demonstrate adequate pipe cover. Have a note for the irrigation ditch facilities to remain undisturbed.
- 7) Provide capacity calculations for the proposed sidewalk culvert and on-site curb cuts.
- 8) The scale on the plans is shown as 1:10, but it appears to be 1:20. Revise as needed.
- 9) It is not desirable to have a curb cut close to the north boundary of the site where it is too close to the property adjacent to the north. Is much of the roof draining to the north for the northern building? Could this flow be directed to the western side of the site where it is closer to the outfall and have a larger curb cut provided? In the write-up, discuss the impact of the on-site improvements to the property to the north or lack thereof.
- 10) Provide more spot elevations for the swale along the north side of the site and within the drive-thru between Pond D and E. The 92.75 elevation shown within the parking lot at the corner of one of the handicapped parking spaces is in error.
- I1) Provide the total for the pond volumes under the pond volume calculations at the bottom of the sheet. The summation of the pond volumes provided does not equal the pond volume calculations in the write-up. Take the language about draining to inlets out of the write-up if the site is not draining to any inlets. In the narrative for the "Existing Drainage Conditions", include a statement about historical flow patterns.

If you have any questions, you can contact me at 924-3924.

Sincerely,

Jeanne Wolfenbarger, P.E. Senior Engineer, Planning Dept. Development Review Services Orig: Drainage file c.pdf Addressee via Email







LEGAL DESCRIPTION:

TRACT 338-B, M.R.G.C.D MAP 35 CONTAINING 60,306.32 S.F. (1.3844 ACRE) ZONING: C-2

O NOTES:

- 1. PROVIDE 6" CURB OPENING
- 2. 6" STORM DRAIN PIPE, CONNCECT TWO PONDS
- 3. DEPRESSED LANDSCAPING AREA, MINIMUM 6" DEEP.

LEGEND

— — 5100— EXISTING CONTOUR (MAJOR) EXISTING CONTOUR (MINOR) BOUNDARY LINE PROPOSED SPOT ELEVATION



GRAPHIC SCALE

SCALE: 1"=10'

REZA AFAGHPOUR

P.E. #11814

SBS CONSTRUCTION AND ENGINEERING, LLC

(505)804-5013

10209 SNOWFLAKE CT., NW ALBUQUERQUE, NEW MEXICO 87114

1000 RIO GRANDE BLVD., NW GRADING AND DRAINAGE PLAN DRAWN BY: DATE: DRAWING: SHEET#

201309-GD.DWG SH-B

10-25-2014



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

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:
Surveyor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
Contractor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARAN'	TEE RELEASE
DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPROVAL	
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D APPROVAL	
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERMIT APPROVAL	
GRADING PLAN	SECTOR PLAN APPROVAL	
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL	
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPANCY (PERM)	
CLOMR/LOMR	CERTIFICATE OF OCCUPANCY (TCL TEMP)	
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT APPROVAL	
ENGINEER'S CERT (TCL)	BUILDING PERMIT APPROVAL	
ENGINEER'S CERT (DRB SITE PLAN)	GRADING PERMIT APPRO	VAL SO-19 APPROVAL
ENGINEER'S CERT (ESC)	PAVING PERMIT APPROVAL ESC PERMIT APPROVAL	
SO-19	WORK ORDER APPROVAL ESC CERT. ACCEPTANCE	
OTHER (SPECIFY)	GRADING CERTIFICATION OTHER (SPECIFY)	
WAS A PRE-DESIGN CONFERENCE ATTENDED:	ESIGN 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 followin

- 1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
- Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres
- Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development