CITY OF ALBUQUERQUE

Planning Department David Campbell, Director



Mayor Timothy M. Keller

February 25, 2019

Jeffrey T. Wooten, P.E. Wooten Engineering 1005 21st Street SE, Suite 13 Rio Rancho, NM, 87124

RE: Monroe's Restaurant 1025 4th St. NW Grading and Drainage Plan Engineer's Stamp Date: 02/11/19 Hydrology File: J14D190

Dear Mr. Wooten:

Based upon the information provided in your submittal received 02/12/2019, the Grading and Drainage Plan is approved for Building Permit, Foundation Permit, and Grading Permit.

Albuquerque Please attach a copy of this approved plan in the construction sets when submitting for a building permit. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Curtis Cherne, PE, <u>ccherne@cabq.gov</u>, 924-3420) 14 days prior to any earth disturbance.

www.cabq.gov

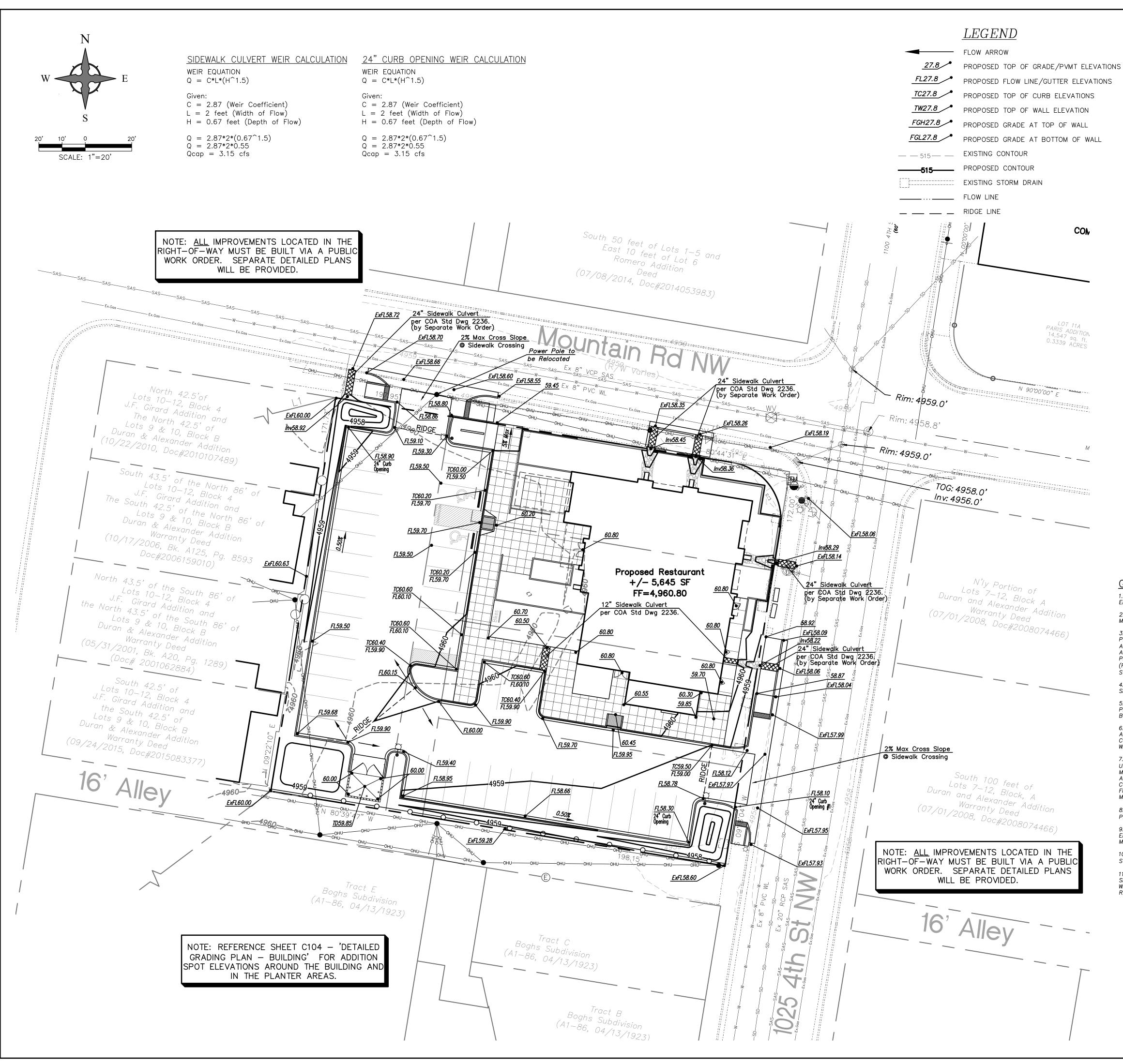
Please provide a Drainage Covenant per Chapter 17 of the DPM for Stormwater Quality ponds and the private storm drain prior to Permanent Release of Occupancy. Please submit this on the 4th floor of Plaza de Sol. A \$25 fee will be required.

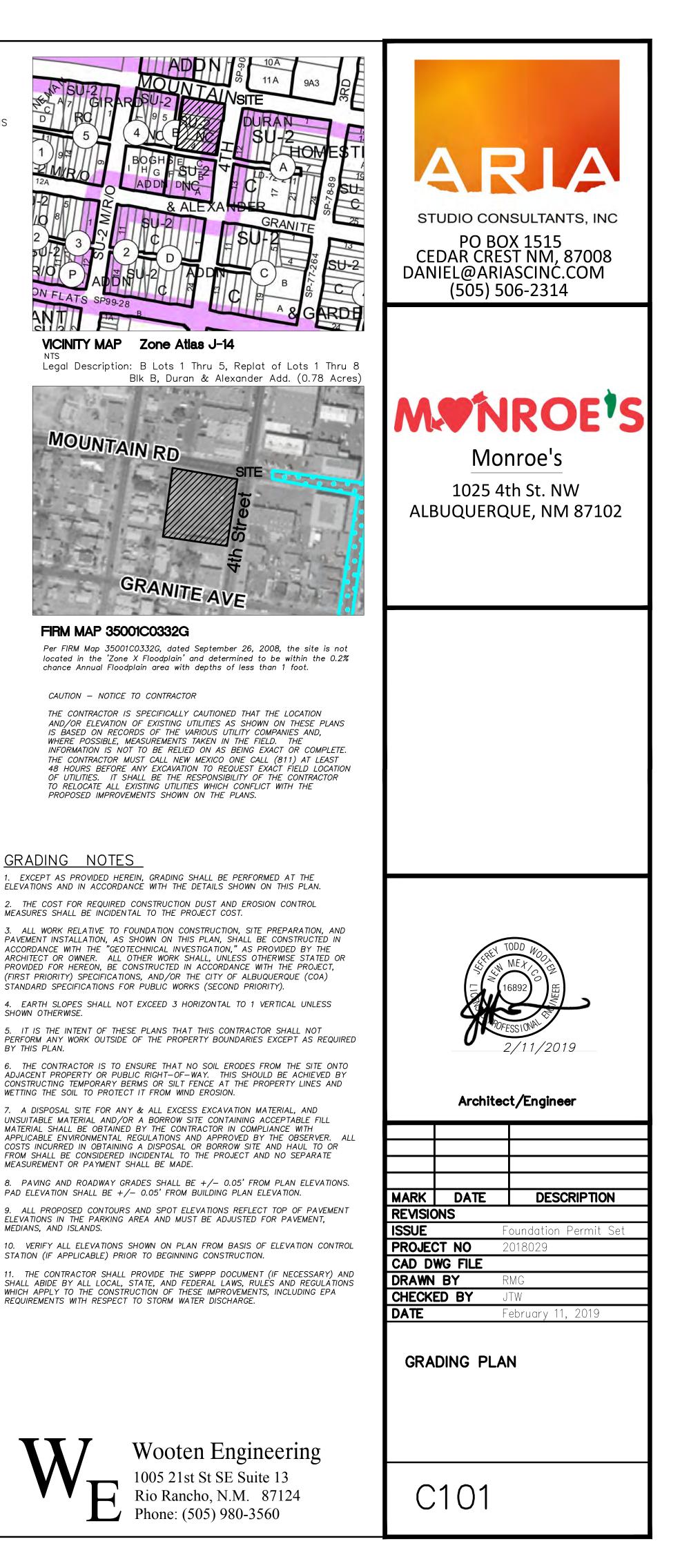
If you have any questions, please contact me at 924-3995 or <u>rbrissette@cabq.gov</u>.

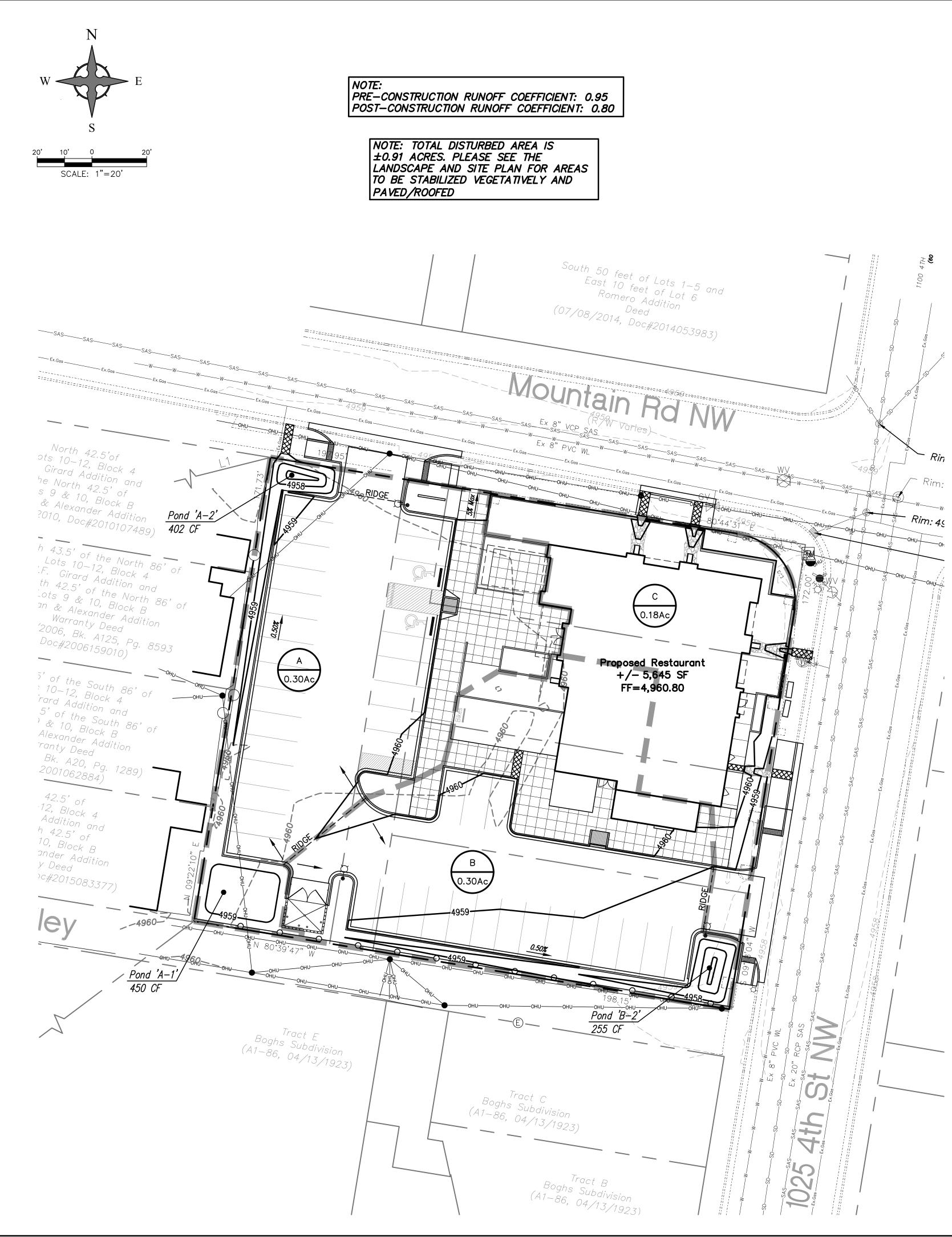
Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology Planning Department







DRAINAGE MANAGEMENT PLAN

INTRODUCTION

The purpose of this submittal is to provide a final grading plan and drainage management plan for the subject project located at 1025 4th St NW. The overall development contains approximately 0.78 acres and is located at the southwest corner of 4th Srt NW and Mountain Rd NW in Albuquerque, NM.

EXISTING HYDROLOGIC CONDITIONS

The site currently surface drains to both 4th St NW and Mountain Rd NW and into an existing storm drain inlet located at the corner of 4th St and Mountain. The site is currently being used as an asphalt parking lot and is near 100% impervious.

PROPOSED HYDROLOGIC CONDITIONS

The proposed Monroes development will continue to surface drain to both 4th St and Mountain; however, new Stormwater Quality Ponds will be provided for Basins A and B. Due to the increase in Landscape Areas on the site, the runoff from the site will be reduced substantially.

Basin C contains roof drainage that will discharge to the north and east sides of the new building. These areas must discharge directly to 4th St and Mountain via Sidewalks culverts without ponding because the existing soils have a moderate clay content and we cannot risk damage to the building due to expansion or contraction of these clay soils. The Developer will be required to make a Payment-in-Lieu to the City of Albuquerque since Stormwater Quality ponding is not being provided in this basin.

Reference Calculations Tables this sheet for all Drainage and Ponding Calculations.

CONCLUSION

This final drainage management plan provides for grading and drainage elements which are capable of safely passing the 100 year storm and reduce the runoff rates and volumes of the site. The proposed improvements for the site should not have any negative impacts to facilities downstream. With this submittal, we are requesting approval of the Foundation Permit, Grading Permit, and Building Permit.

			E	xisting	Draina	ge
	This	table is based o	on the COA DP	M Section :	22.2, Zone:	2
BASIN	Area	Area	Land Treatment Percentages			
	(SQ. FT)	(AC.)	A	В	C	
A	12907	0.30	0.0%	0.0%	5.0%	95
В	13195	0.30	0.0%	0.0%	5.0%	95
С	7801	0.18	0.0%	0.0%	5.0%	95
TOTAL	33903	0.78				
			Proposed Drainage Ca			
			Ultimate Development Conditions E			
	This	table is based o	on the COA DP	M Section :	22.2, Zone:	2
BASIN	Area	Area	Land Treatment Percentages			
	(SQ. FT)	(AC.)	A	B	C	
А	12907	0.30	0.0%	0.0%	19.0%	81
	13195	0.30	0.0%	0.0%	21.0%	79
В	10100			-		
B C	7801	0.18	0.0%	0.0%	36.0%	64

