CITY OF ALBUQUERQUE



Timothy M. Keller, Mayor

March 12, 2018

Tyler J. Ashton, P.E. Wilson & Company 440I Masthead St. NE Albuquerque, NM, 87113

RE: Gruet Winery Phase 2

8400 Pan American Fwy NE Grading and Drainage Plan Engineer's Stamp Date: 02/15/18 Hydrology File: C18D002

Dear Mr. Ashton:

PO Box 1293

Based upon the information provided in your submittal received 03/08/2018, the Grading and Drainage Plan is approved Grading Permit.

Albuquerque

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

NM 87103

Sincerely,

www.cabq.gov

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

Renée C. Brissette

1 of 1



City of Albuquerque

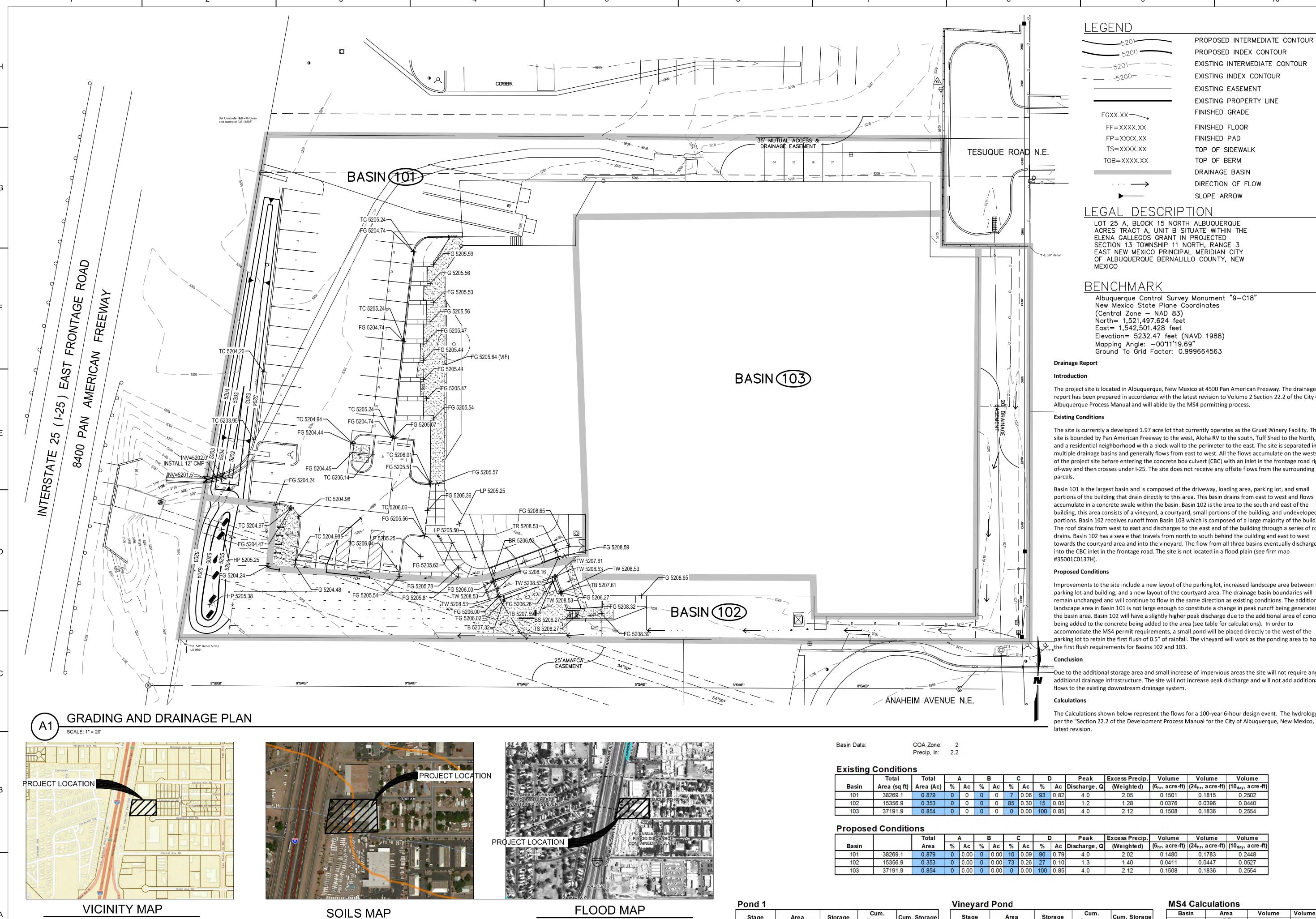
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title:		Building Permit #:	City Drainage #:	
DRB#:	EPC#:		k Order#:	
Legal Description:				
City Address:				
Engineering Firm:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Owner:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Architect:		Cont	Contact:	
Address:				
none#: Fax#:		E-ma	ail:	
Other Contact:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Check all that Apply: DEPARTMENT: HYDROLOGY/ DRAINAGE			ROVAL/ACCEPTANCE SOUGHT:	
TRAFFIC/ TRANSPORTATION			BUILDING PERMIT APPROVAL	
MS4/ EROSION & SEDIMENT CO	NTROL	CERTIFICATE OF	OCCUPANCY	
TYPE OF SUBMITTAL:		PRELIMINARY PI	PRELIMINARY PLAT APPROVAL	
ENGINEER/ ARCHITECT CERTIFICATION			SITE PLAN FOR SUB'D APPROVAL	
		SITE PLAN FOR B	LDG. PERMIT APPROVAL	
CONCEPTUAL G & D PLAN		FINAL PLAT APP	FINAL PLAT APPROVAL	
GRADING PLAN		SIA/ RELEASE OF	SIA/ RELEASE OF FINANCIAL GUARANTEE	
DRAINAGE MASTER PLAN		FOUNDATION PE	FOUNDATION PERMIT APPROVAL	
DRAINAGE REPORT		GRADING PERMI	GRADING PERMIT APPROVAL	
CLOMR/LOMR		SO-19 APPROVAL	SO-19 APPROVAL	
		PAVING PERMIT		
TRAFFIC CIRCULATION LAYOU	Γ (TCL)		APPROVAL	
TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS)	Γ (TCL)	PAVING PERMIT	APPROVAL ERTIFICATION	
		PAVING PERMIT GRADING/ PAD C	APPROVAL ERTIFICATION	
TRAFFIC IMPACT STUDY (TIS)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP	APPROVAL ERTIFICATION ROVAL	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL ING	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO OTHER (SPECIFY)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET OTHER (SPECIFY	APPROVAL ERTIFICATION ROVAL ING	

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____



REFERENCE: FEMA FIRM MAP 35001C0137H

8/16/2012

ZONE ATLAS PAGE C18

8400 PAN AMERICAN FREEWAY NE,

ALBUQUERQUE, NM 87113

LEGAL DESCRIPTION: LOT 25A BLK 15

NORTH ALBUQUERQUE ACRES TR A UNIT B CONT 1.9696

AC M/L OR 85,796 SQ. FT M/L

Storage

0.000

357.000

1100.000 1457

672

1528

(MSL)

5204

Storage

357

Ac-ft

5393

5394

suroundings

WILSON &COMPANY

4401 MASTHEAD ST. NE. SUITE 150 ALBUQUERQUE, NM 87109 PHONE: 505-348-4000 FAX: 505-348-4072 www.wilsonco.com

PERMIT

DOCUMENTS

NO DATE NOTE

REVISIONS:

The project site is located in Albuquerque, New Mexico at 4500 Pan American Freeway. The drainage report has been prepared in accordance with the latest revision to Volume 2 Section 22.2 of the City of

The site is currently a developed 1.97 acre lot that currently operates as the Gruet Winery Facility. The site is bounded by Pan American Freeway to the west, Aloha RV to the south, Tuff Shed to the North, and a residential neighborhood with a block wall to the perimeter to the east. The site is separated into multiple drainage basins and generally flows from east to west. All the flows accumulate on the westside of the project site before entering the concrete box culvert (CBC) with an inlet in the frontage road rightof-way and then crosses under I-25. The site does not receive any offsite flows from the surrounding

Basin 101 is the largest basin and is composed of the driveway, loading area, parking lot, and small portions of the building that drain directly to this area. This basin drains from east to west and flows accumulate in a concrete swale within the basin. Basin 102 is the area to the south and east of the building, this area consists of a vineyard, a courtyard, small portions of the building, and undeveloped portions. Basin 102 receives runoff from Basin 103 which is composed of a large majority of the building. The roof drains from west to east and discharges to the east end of the building through a series of roof drains. Basin 102 has a swale that travels from north to south behind the building and east to west towards the courtyard area and into the vineyard. The flow from all three basins eventually discharge into the CBC inlet in the frontage road. The site is not located in a flood plain (see firm map

Improvements to the site include a new layout of the parking lot, increased landscape area between the parking lot and building, and a new layout of the courtyard area. The drainage basin boundaries will remain unchanged and will continue to flow in the same direction as existing conditions. The additional landscape area in Basin 101 is not large enough to constitute a change in peak runoff being generated by the basin area. Basin 102 will have a slightly higher peak discharge due to the additional area of concrete being added to the concrete being added to the area (see table for calculations). In order to accommodate the MS4 permit requirements, a small pond will be placed directly to the west of the __parking lot to retain the first flush of 0.5" of rainfall. The vineyard will work as the ponding area to hold

—Due to the additional storage area and small increase of impervious areas the site will not require any additional drainage infrastructure. The site will not increase peak discharge and will not add additional

The Calculations shown below represent the flows for a 100-year 6-hour design event. The hydrology is per the "Section 22.2 of the Development Process Manual for the City of Albuquerque, New Mexico,

Storage

0.000

3301 2965.500

2630

Area Volume Volume

15356.9

103 37191.9 1549.66 0.04

ft^3 Ac-ft

1594.55 0.04

639.87 0.01

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8400 PAN AMERICAN FWY NE ALBUQUERQUE, NM 87113

GRUET WINERY

ABQ, PHASE 2

SCALE:	AS NOTED
DATE:	5 FEBRUARY 2018
PROJECT:	1315
DRAWN BY:	

GRADING AND DRAINAGE PLAN