CITY OF ALBUQUERQUE

Timothy M. Keller, Mayor

May 24, 2018

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

RE: Wecks Restaurant – 7301 Paseo Del Norte Blvd NE
Conceptual Grading and Drainage Plan
Engineer's Stamp Date: 05/11/18
Hydrology File: C19D008

Dear Mr. Wooten:

Based upon the information provided in your submittal received 05/15/2018, the Conceptual Grading and Drainage Plan is approved for action by the DRB on the Site Plan for Building Permit.

As a reminder, please provide a Private Facility Drainage Covenant per Chapter 17 of the DPM for the first flush ponds and the retention ponds prior to Certificate of Occupancy.

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

Sincerely,

Renée C Brissette

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

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

Orig: Drainage File

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 3/2018)

Project Title: Wecks Restaurant Building Permit #: _____ Hydrology File #: _____

DRB#: 1011184 EPC#: 18EPC-40001 Work Order#: _____

Legal Description: Lot 9-A-2, Block 10, Unit 3, North Albuquerque Acres

City Address: 7301 Paseo Del Norte Blvd NE

Applicant: Wooten Engineering Contact: Jeffrey T.Wooten, P.E.

Address: 1005 21st Street SE, Suite 13, Rio Rancho, NM 87124

Phone#: 505-980-3560 Fax#: n/a E-mail: jeffwooten.pe@gmail.com

Other Contact: _____ Contact: _____

Address: _____

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

Check all that Apply:

IS THIS A RESUBMITTAL?: ____ Yes X No

DEPARTMENT:

X HYDROLOGY/ DRAINAGE

____ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION

____ PAD CERTIFICATION

X CONCEPTUAL G & D PLAN

____ GRADING PLAN

____ DRAINAGE MASTER PLAN

____ DRAINAGE REPORT

____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC

____ ELEVATION CERTIFICATE

____ CLOMR/LOMR

____ TRAFFIC CIRCULATION LAYOUT (TCL)

____ TRAFFIC IMPACT STUDY (TIS)

____ OTHER (SPECIFY) _____

____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL

____ CERTIFICATE OF OCCUPANCY

____ PRELIMINARY PLAT APPROVAL

____ SITE PLAN FOR SUB'D APPROVAL

X 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

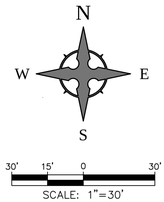
____ FLOODPLAIN DEVELOPMENT PERMIT

____ OTHER (SPECIFY) _____

DATE SUBMITTED: May 15, 2018 By: Jeffrey T. Wooten, P.E.

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



CAUTION – NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL NEW MEXICO ONE CALL (811) AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

A CROSS LOT PRIVATE DRAINAGE EASEMENT HAS BEEN DEDICATED ON LOT 9–A–1 BY PLAT (DOCUMENT NO. 2017055412) FOR THE BENEFIT OF LOT 9–A–2 TO BE MAINTAINED BY THE OWNER OF LOT 9–A–1.

Pre-Developed Drainage Calculations

This table is based on the COA DPM Section 22.2, Zone: 3

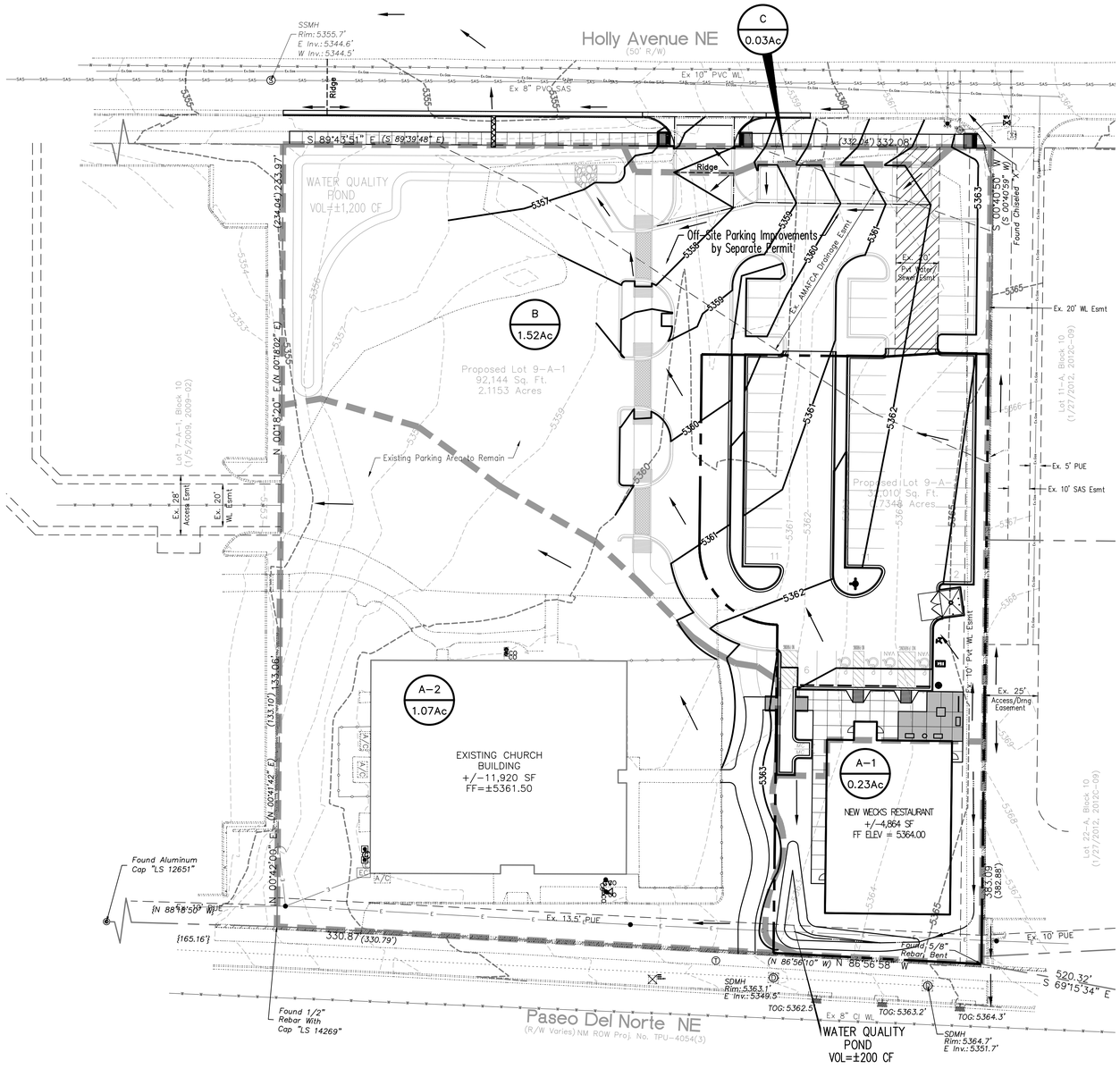
BASIN	Area	Area	Land Treatment Percentages				Q(100)	Q(100)	WT E	$V(100)_{360}$	$V(100)_{1440}$	$V(100)_{10day}$
	(SQ. FT)	(AC.)	A	B	C	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
A-1	10016	0.23	0.0%	0.0%	8.0%	92.0%	4.89	1.13	2.27	1898	2206	3127
A-2	46761	1.07	0.0%	0.0%	36.0%	64.0%	4.45	4.78	1.97	7695	8693	11686
B	66012	1.52	0.0%	0.0%	22.0%	78.0%	4.67	7.08	2.12	11687	13404	18553
C	1429	0.03	0.0%	0.0%	44.0%	56.0%	4.33	0.14	1.89	225	252	332
TOTAL	124218	2.85						13.13		21506	24554	33697

Post-Developed Drainage Calculations

Ultimate Development Conditions Basin Data Table

This table is based on the COA DPM Section 22.2, Zone: 3

BASIN	Area	Area	Land Treatment Percentages				Q(100)	Q(100)	WT E	$V(100)_{360}$	$V(100)_{1440}$	$V(100)_{10day}$
	(SQ. FT)	(AC.)	A	B	C	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
A-1	10016	0.23	0.0%	0.0%	47.0%	53.0%	4.28	0.98	1.86	1550	1727	2258
A-2	46761	1.07	0.0%	0.0%	41.0%	59.0%	4.38	4.70	1.92	7487	8406	11165
B	66012	1.52	0.0%	0.0%	27.0%	73.0%	4.60	6.97	2.07	11393	12999	17818
C	1429	0.03	0.0%	0.0%	67.0%	33.0%	3.97	0.13	1.64	196	211	259
TOTAL	124218	2.85						12.78		20626	23344	31500



DRAINAGE MANAGEMENT PLAN

INTRODUCTION

The purpose of this submittal is to provide a conceptual drainage management plan for the Redevelopment of Lot 9–A–2, Block 10, North Albuquerque Acres, Tr 2, Unit 3. The property address is 7301 Paseo Del Norte NE per the Vicinity Map this sheet. The site is generally located on Paseo Del Norte NE between Louisiana Blvd NE and Wyoming Blvd NE and contains approximately 0.73 acres. The site is located in COA Hydrologic Zone 3.

EXISTING HYDROLOGIC CONDITIONS

The currently site consists of an overflow asphalt parking lot serving the New Covenant Church site to the west. This parking lot will be demolished in order to construct the new Wecks building, parking lot, and landscape areas. There are 3 Drainage Basins on site.

Basin A (A–1 and A–2) currently flows from east to west and onto the New Covenant Church site to the west (Lot 7–A–1). These flows traverse the church parking lot west and then north into Holly Ave. Per the Calculations table this sheet, the total existing flow discharging from the site and onto the church site is 5.91 cfs (9,593 CF) during the 100–Yr, 6–Hr Storm Event.

Basin B currently drains from southeast to northwest and into a very small pond located at the northwest corner of the site. The pond overflows into Holly Ave, north across Holly, and then west along Holly Ave in an earthen swale which ultimately drains to a local pond and then north onto the La Cueva High School property. Per the Calculations table this sheet, the total existing flow discharging from the site and onto Holly Ave is 7.08 cfs (11,687 CF) during the 100–Yr, 6–Hr Storm Event.

Basin C is a very small area draining directly onto Holly Ave. Per the Calculations table this sheet, the total existing flow discharging from Basin C is 0.14 cfs (225 CF) during the 100–Yr, 6–Hr Storm Event.

PROPOSED HYDROLOGIC CONDITIONS

Basin A (A–1 and A–2) will continue to flow from east to west and onto the New Covenant Church site to the west (Lot 7–A–1). These flows traverse the church parking lot west and then north into Holly Ave. Per the Calculations table this sheet, the total proposed flow discharging from the site and onto the church site is 5.68 cfs (9,037 CF) during the 100–Yr, 6–Hr Storm Event. This is a reduction of 0.23 cfs (556 CF). In addition, we are proposing a water quality pond at the southwest corner of the new Wecks building that will capture and treat a minimum of 200 CF.

Basin B will continue to drain from southeast to northwest and into a new water quality pond located at the northwest corner of the site. The pond overflows into Holly Ave, north across Holly, and then west along Holly Ave in an earthen swale which ultimately drains to a local pond and then north onto the La Cueva High School property. Per the Calculations table this sheet, the total proposed flow discharging from the site and onto Holly Ave is 6.97 cfs (11,393 CF) during the 100–Yr, 6–Hr Storm Event. This is a reduction of 0.11 cfs (294 CF). The water quality pond will reduce the volume of runoff an additional 1,200 CF.

Basin C is a very small area draining directly onto Holly Ave. Per the Calculations table this sheet, the total proposed flow discharging from Basin C is 0.13 cfs (196 CF) during the 100–Yr, 6–Hr Storm Event. This is a reduction of 0.01 cfs (29 CF). A Water Quality Pond is not being provided for this Basin.

CONCLUSION

This drainage management plan provides for grading and drainage elements which reduce the impact to downstream systems; are capable of safely passing the 100 year storm, do not burden downstream systems, and meet city requirements. With this submittal, we are requesting approval of the Conceptual Grading Plan and the EPC level Site Plan for Building Permit.

WATER QUALITY POND VOLUME CALCULATIONS

BASIN A–1

EXISTING SITE CONDITIONS

PERVIOUS AREA: 799 SF
IMPERVIOUS AREA: 9,217 SF
TOTAL AREA: 10,016 SF
% IMPERVIOUS = 92%

PROPOSED SITE CONDITIONS

PERVIOUS AREA: 4,710 SF
IMPERVIOUS AREA: 5,306 SF
TOTAL AREA: 10,016 SF
% IMPERVIOUS = 53%

FIRST FLUSH CALCULATION

TOTAL IMPERVIOUS AREA = 5,306 SF
FIRST FLUSH = 5,306 * 0.26" / 12 = 115 CF

BASIN A–2

EXISTING SITE CONDITIONS

PERVIOUS AREA: 16,836 SF
IMPERVIOUS AREA: 29,925 SF
TOTAL AREA: 46,761 SF
% IMPERVIOUS = 64%

PROPOSED SITE CONDITIONS

PERVIOUS AREA: 19,333 SF
IMPERVIOUS AREA: 27,428 SF
TOTAL AREA: 46,761 SF
% IMPERVIOUS = 59%

FIRST FLUSH CALCULATION

TOTAL IMPERVIOUS AREA = 27,428 SF
FIRST FLUSH = N/A SINCE THIS AREA IS EXISTING

BASIN B

EXISTING SITE CONDITIONS

PERVIOUS AREA: 14,237 SF
IMPERVIOUS AREA: 51,775 SF
TOTAL AREA: 66,012 SF
% IMPERVIOUS = 78%

PROPOSED SITE CONDITIONS

PERVIOUS AREA: 17,592 SF
IMPERVIOUS AREA: 48,420 SF
TOTAL AREA: 66,012 SF
% IMPERVIOUS = 73%

FIRST FLUSH CALCULATION

TOTAL IMPERVIOUS AREA = 48,420 SF
FIRST FLUSH = 48,420 * 0.26" / 12 = 1,049 CF

BASIN C

EXISTING SITE CONDITIONS

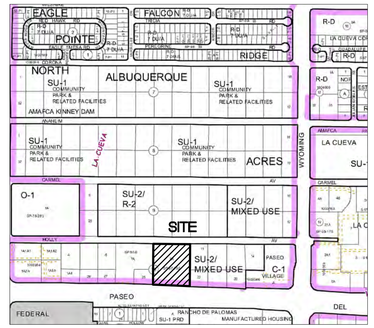
PERVIOUS AREA: 601 SF
IMPERVIOUS AREA: 828 SF
TOTAL AREA: 1,429 SF
% IMPERVIOUS = 56%

PROPOSED SITE CONDITIONS

PERVIOUS AREA: 952 SF
IMPERVIOUS AREA: 477 SF
TOTAL AREA: 1,429 SF
% IMPERVIOUS = 33%

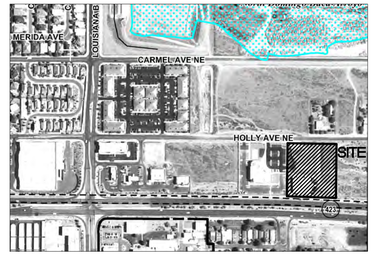
FIRST FLUSH CALCULATION

TOTAL IMPERVIOUS AREA = 477 SF
FIRST FLUSH = N/A SINCE IMPERVIOUS AREA IS REDUCED



VICINITY MAP – Zone Map C-19-Z

Legal Description: Lot 9–A–2, Block 10, NORTH ALBUQUERQUE ACRES, TR 2, UNIT 3



FIRM MAP 35001C0109H

Per FIRM Map 35001C0109H, dated August 16, 2012, the site is not located in the Floodplain and determined to be outside the 0.2% chance Annual Floodplain.

GRADING NOTES

1. *EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.*
2. *THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.*
3. *ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).*
4. *EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.*
5. *IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.*
6. *THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT–OF–WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.*
7. *A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.*
8. *PAVING AND ROADWAY GRADES SHALL BE +/– 0.05' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/– 0.05' FROM BUILDING PLAN ELEVATION.*
9. *ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.*
10. *VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION (IF APPLICABLE) PRIOR TO BEGINNING CONSTRUCTION.*
11. *THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.*

Not For Construction

REV	DATE	BY	REVISION
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5			
4			
3			
2			
1			

Wooten Engineering
1005 21st St SE, Suite A5
Rio Rancho, N.M. 87124
Phone: (505) 980-3560

JEFFREY TODD WOOTEN
NEW MEXICO
16892
PROFESSIONAL ENGINEER
5/11/2018

PROJECT TITLE: WECKS RESTAURANT
7301 PASEO DEL NORTE NE
ALBUQUERQUE, NEW MEXICO 87113

PROJECT MANAGER: JEFF WOOTEN

DRAWN BY: JEFF WOOTEN

JOB NO.: 2016024

SHEET TITLE: Grading Plan

DATE: 05.11.2018

SCALE: PER PLAN

sheet- C201 of- 6