CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director

Mayor Timothy M. Keller

April 22, 2021

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

Re: 2633 Floral Rd. NW
Request Permanent C.O. – Approved
Engineer's Stamp Date: 10-12-2020
Certification dated: 4-16-2021

Dear Mr. Afaghpour,

Based upon the information provided in your submittal received 4-19-2021 and site visit on 4-22-2021, this plan is approved for Certificate of Occupancy by Hydrology.

Please note that there is still work that needs to be completed onsite. There is a large pile of dirt in the front of the lot that needs to be taken care of, the grades around the ponds need to be cleaned up and the pipe connecting the pond in the back yard to the pond in the SE corner appears to be misaligned. The inlet is on the upside of the slope near the wall and needs to be placed in the bottom of the swale as shown on the plans. Please have the contractor take care of this.

If you have any questions, you can contact me at 924-3986 or earmijo@cabq.gov.

Sincerely,

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 2633 FLORAL ROAD., NW Building Permit #: _____ Hydrology File #: H13D115

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

Legal Description: TRACT 250A1A, MRGCD MAP 35

City Address: 2633 FLORAL ROAD., NW, ALBUQUERQUE, NM 87104

Applicant: SBS CONSTRUCTION AND ENGINEEING, LLC Contact: SHAWN BIAZAR

Address: 10209 SNOWFLAKE CT., NW, ALBUQUERQUE, NM 87114

Phone#: (505) 804-5013 Fax#: (505) 897-4996 E-mail: AECLLC@AOL.COM

Other Contact: _____ Contact: _____

Address: _____

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

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) __X__ RESIDENCE _____ DRB SITE ___ ADMIN SITE

IS THIS A RESUBMITTAL? ____X____ Yes _____ No

DEPARTMENT _____ TRANSPORTATION __X__ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

__X__ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
____ GRADING PLAN
____ DRAINAGE REPORT
____ DRAINAGE MASTER PLAN
____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
____ ELEVATION CERTIFICATE
____ CLOMR/LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ STREET LIGHT LAYOUT
____ OTHER (SPECIFY) _____
____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL
__X__ 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
__X__ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: 4-16-2021 By: SHAWN BIAZAR

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Location
Tract 250A1A, MRGCD #35, is located at 2633 FLORAL, NW containing 0.4284 acre. See attached portion of Vicinity Map H-12-Z for exact location.

Purpose
The purpose of this drainage report is to present a grading and drainage solution for new buildings and improvement for Tract 250A1A, MRGCD #35.

Existing Drainage Conditions
This lot is very flat and drains south into Floral Road, Ave., NW and no other offsite flows enters this site. There are existing block walls all the way around this tract.

Proposed Conditions and On-Site Drainage Management Plan
There are existing block walls all three sides of this lot. We are porposing to retain all the developed flow minus the historical flow. The total volume requirement under this condition is 2,312.54 CF . We are proposing three ponds with total volume provided of 2,340.55 CF wich includes the first flush volume requirement of 260.84 CF.

VOLUME CALCULATIONS FOR 10 DAY STORM
(UNDER EXISTING CONDITIONS)

BASIN	*AREA (SF)*	*AREA (AC)*	*AREA (MI^2)*
ON-SITE	18,663.32	0.4285	0.000669

$E = \frac{EA(AA) + EB(AB) + EC(AC) + ED(AD)}{AA + AB + AC + AD}$

V-360 = E (AA + AB + AC + AD)

EA = 0.35
EB = 0.78
EC = 1.13
ED = 2.12

AA = 100.00%
AB = 0.00%
AC = 0.00%
AD = 0.00%

P-60 = 2.01
P-360 = 2.35
P-1440 = 2.75
P-10 Day = 3.95

E = 0.5300 IN
V-360 = 0.0189 AC-FT
AD = 0.0000 AC
V-10 DAY = 0.0189 AC-FT
V-10 DAY= 824.30 CF

VOLUME CALCULATIONS FOR 10 DAY STORM
(UNDER PROPOSED CONDITIONS)

BASIN	*AREA (SF)*	*AREA (AC)*	*AREA (MI^2)*
ON-SITE	18,663.32	0.4285	0.000669

$E = \frac{EA(AA) + EB(AB) + EC(AC) + ED(AD)}{AA + AB + AC + AD}$

V-360 = E (AA + AB + AC + AD)

EA = 0.35
EB = 0.78
EC = 1.13
ED = 2.12

AA = 0.00%
AB = 50.00%
AC = 9.00%
AD = 41.00%

P-60 = 2.01
P-360 = 2.35
P-1440 = 2.75
P-10 Day = 3.95

E = 1.3609 IN
V-360 = 0.0486 AC-FT
AD = 0.1757 AC
V-10 DAY = 0.0720 AC-FT
V-10 DAY= 3,136.84 CF

V (REQUIRED) = 3,136.84 - 824.30 = 2,312.54 CF

PONDING VOLUME REQUIREMENTS (90TH PERCENTILE/FIRST FLUSH)

VOLUME REQUIRED = 0.34 INCHES x IMPERVIOUS AREA =
(0.34/12 x 9,206.00) = 260.84 CF

PONDING VOLUME CALCULATION

TOTAL POND AREA PROVIDED =
PONDING CALCULATIONS:

POND A:
AREA @ ELEV. 60.10 = 2038.45 SF
AREA @ ELEV. 59.25 = 945.05 SF
POND VOLUME=(2038.45+945.05)/2*0.85=1267.99 CF

POND B:
AREA @ ELEV. 60.00 = 806.95 SF
AREA @ ELEV. 59.15= 463.66 SF
POND VOLUME=(531.85+87.95)/2*0.0.85=540.43 CF

POND C:
AREA @ ELEV. 60.00 = 564.84 SF
AREA @ ELEV. 59.15 = 922.55 SF
POND VOLUME=(922.55+564.84)/2*0.85=632.15 CF

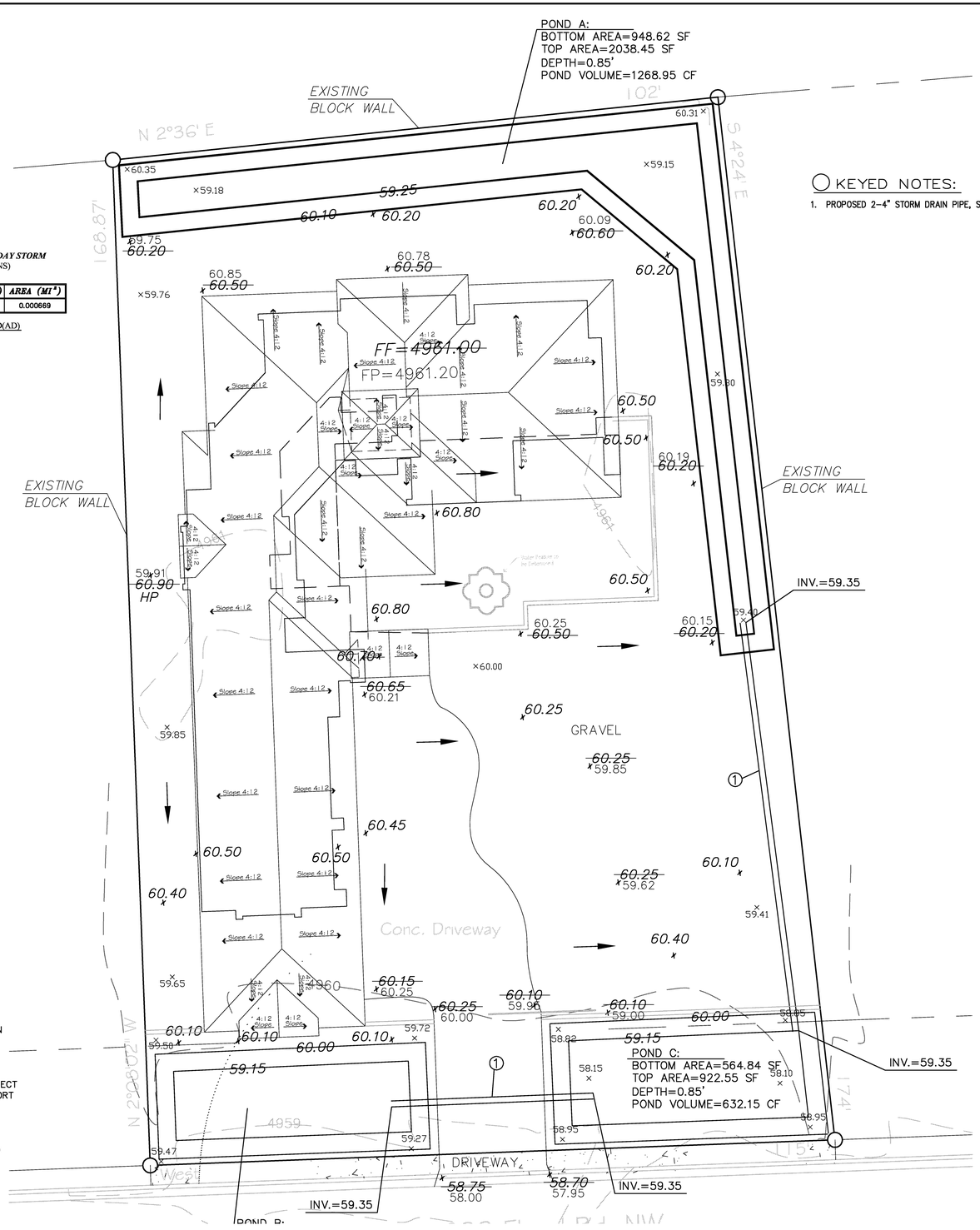
TOTAL PONDING VOLUME PROVIDED =
1267.99 + 540.43 + 632.15 = 2,440.56 CF

DRAINAGE CERTIFICATION

I, REZA AFAGHPOUR , NMPE11814 OF SBS CONSTRUCTION AND ENGINEERING, LLC HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 10-02-2020 . THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY NMPS 9801 LEONARD MARTINEZ , OF SBS CONSTRUCTION AND ENGINEERING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL C.O.

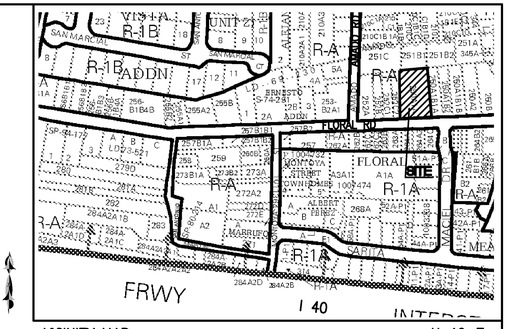
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

REZA AFAGHPOUR, NMPE 11814 — DATE 04/16/2021

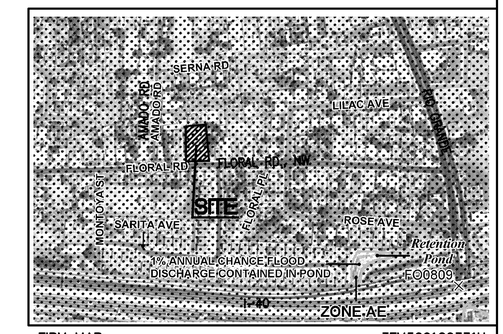


KEYED NOTES:

1. PROPOSED 2-4" STORM DRAIN PIPE, SCHEDULE 40.



VICINITY MAP: H-12-Z



FIRM MAP: 3FM5001C0331H

LEGAL DESCRIPTION:
Tract 250A1A, MRGCD #35

ADDRESS: 2633 FLORAL, NW

LEGEND

—5030—	EXISTING CONTOUR (MAJOR)
—5029—	EXISTING CONTOUR (MINOR)
	BOUNDARY LINE
X 42.70	PROPOSED SPOT ELEVATION
X 5029.16	EXISTING GRADE
X 5075.65 FL	EXISTING FLOWLINE ELEVATION
	PROPOSED RETAINING WALL
BC=41.30	BOTTOM OF CHANEL
TF=42.00	TOP OF FOOTING
TRW=45.12	TOP OF RETAINING WALL
HP	HIGH POINT
42.40 / ~~42.45~~	AS-BUILT GRADES
X 42.40	AS-BUILT SPOT ELEVATIONS

GRAPHIC SCALE
10 5 0 10
SCALE: 1"=10'

REZA AFAGHPOUR
NEW MEXICO
11814
LICENSED PROFESSIONAL ENGINEER
10/12/2020

REZA AFAGHPOUR
P.E. #11814

SBS CONSTRUCTION AND ENGINEERING, LLC
10209 SNOWFLAKE CT., NW
ALBUQUERQUE, NEW MEXICO 87114
(505)899-5570

2633 FLORAL ROAD, NW GRADING PLAN

DRAWING:	DRAWN BY:	DATE:	SHEET #
201803-GD.DWG	SH-B	3-6-2018	1

LAST REVISION: 2-2-2018