

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

March 22, 2021

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

**Re: Lot 39 Block 5 Volcano Cliffs Unit 5
8020 Monte Carlo Dr. NW
Grading & Drainage Plan
Engineer's Stamp dated: 2-28-21 (E10D101)**

Dear Mr. Afaghpour,

Based upon the information provided in your submittal received 3/22/2021, this plan is approved for Grading Permit.

PO Box 1293 Please inform the builder/owner to attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Albuquerque Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan dated 2/2/18.

NM 87103 **Prior to Building permit approval a Pad Certification will be required**, provided by the Engineer with pad cert language or a registered Land Surveyor with as build spot elevations.

www.cabq.gov Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, you can contact me at 924-3986 or Rudy Rael at 924-3698.

Sincerely,

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



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 8020 MONTE CARLO DR.,NW Building Permit #: _____ Hydrology File #: _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 39, BLOCK 5, VOLCANO CLIFF SUBDIVISION, UNIT 5
City Address: 8020 MONTE CARLO DR., NW

Applicant: SBS CONSTRUCTION AND ENGINEERING, 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) ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL? _____ Yes ☒ No

DEPARTMENT _____ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- ☐ 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
- ☐ 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
- ☐ GRADING/ PAD CERTIFICATION
- ☐ WORK ORDER APPROVAL
- ☐ CLOMR/LOMR
- ☐ FLOODPLAIN DEVELOPMENT PERMIT
- ☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 03-02-2021 **By:** SHAWN BIAZAR

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Lot 39, Block 5, Volcano Cliffs Subdivision, Unit 5 is located at 8020 Monte Carlo Dr., NW containing 0.2725 acre. See attached portion of Vicinity Map E-10-Z for exact location.

The purpose of this drainage report is to present a grading and drainage solution for new buildings and improvements for Lot 39.

This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway to the east per the master drainage plan. The site does not exceed the SAD 227 developed conditions assumptions, therefore no ponding is required. Due to height restrictions we have incorporated ponding to minimize the pad height as much as possible.

We are ponding the water harvest volume generated by this site. There is no measurable upland flow, this plan has shallow water harvesting pond in excess of drainage regulation.

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUNOFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

- 1: CONTOUR INTERVAL IS HALF (1.00) FOOT.
- 2: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION CAL SAT_A, HAVING AN ELEVATION OF 5329.531 FEET ABOVE SEA LEVEL.
- 3: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXCAVATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
- 4: THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
- 5: SLOPES ARE AT 3:1 MAXIMUM.
- 6: ADD 5300 TO ALL PROPOSED SPOT ELEVATIONS.

WHERE FOR 100-YEAR, 6-HOUR STORM ZONE 1

EA = 0.44	QA = 1.29
EB = 0.67	QB = 2.03
EC = 0.99	QD = 2.87
ED = 1.97	QD = 4.37

[illegible]

VOLUME REQUIRED = 0.42 INCHES x IMPERVIOUS AREA =
(0.42/12 x 5,110.00) = 178.85 CF

TOTAL POND AREA PROVIDED =
PONDING CALCULATIONS:

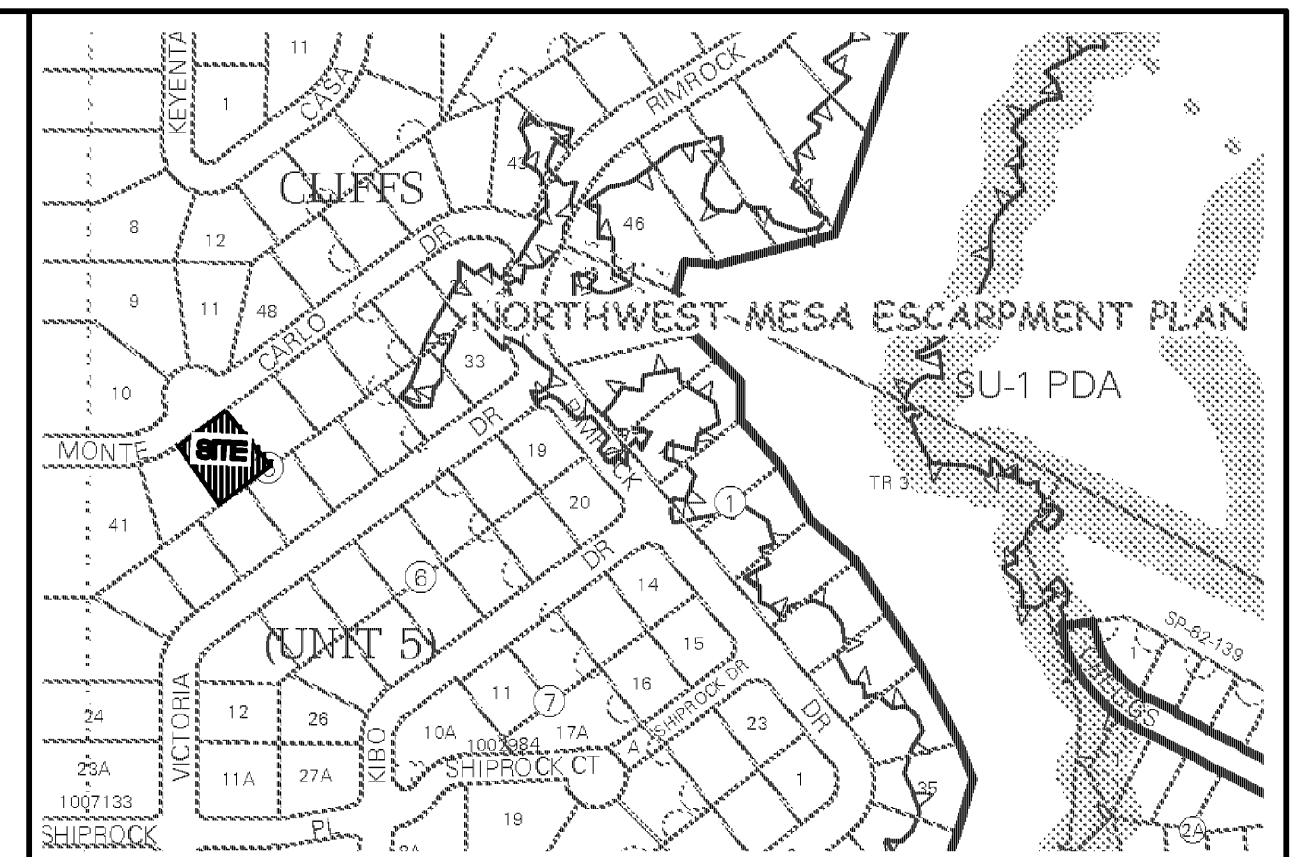
POND A:
 AREA @ ELEV. 23.00 = 232.00 SF
 AREA @ ELEV. 22.35 = 59.33 SF
 POND VOLUME=(232.00+59.33)/2*0.65=94.68 CF

POND B:
 AREA @ ELEV. 23.40 = 225.00 SF
 AREA @ ELEV. 22.75 = 81.00 SF
 POND VOLUME=(225.00+81.00)/2*0.65=99.45 CF

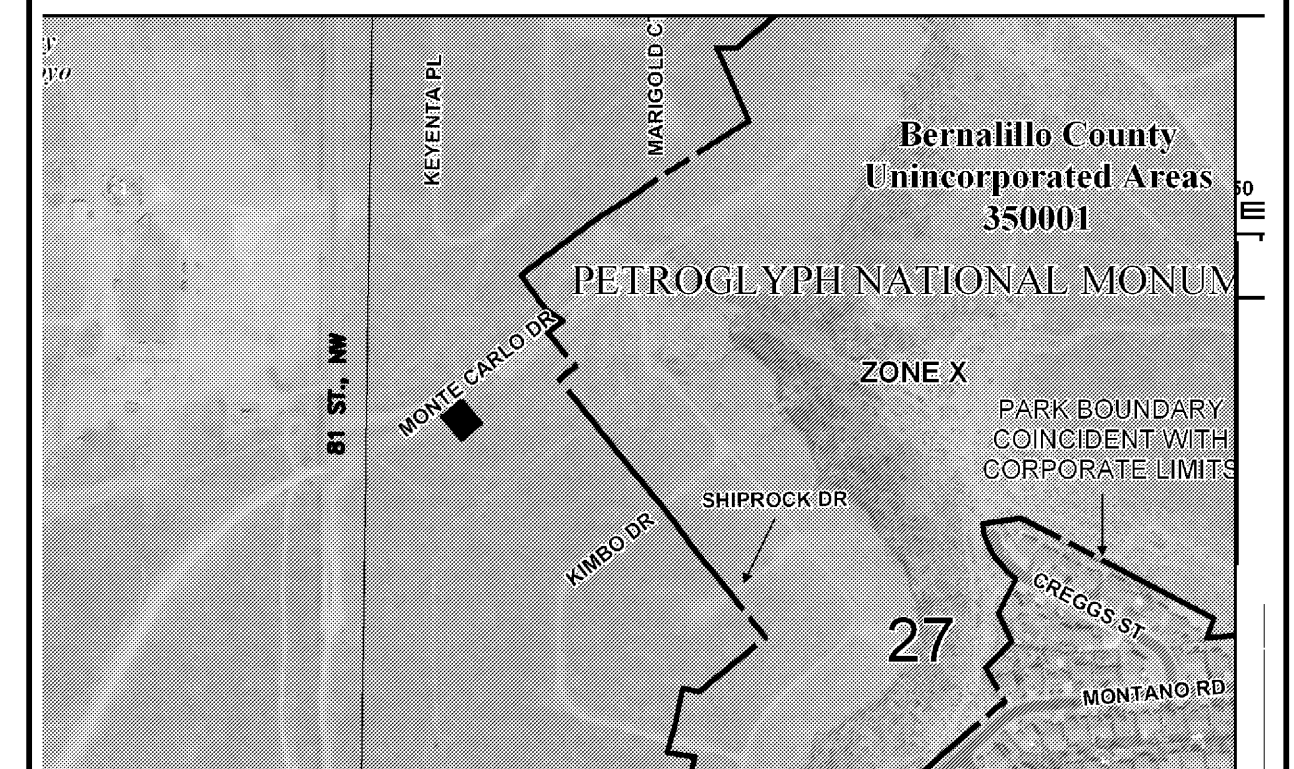
TOTAL PONDING VOLUME PROVIDED = 194.13 CF

- 1) WEEP HOLES ARE REQUIRED TO BE 3" ABOVE GRADE
- 2) A SEPARATE PERMIT IS REQUIRED FOR ANY RETAINING WALLS OR GARDEN WALLS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK PROVIDED HEREON, THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR DETAILLED, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT MEXICO ONE CALL FOR LOCATING SERVICE, 286-1990 OR "811", FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.



E-10-Z

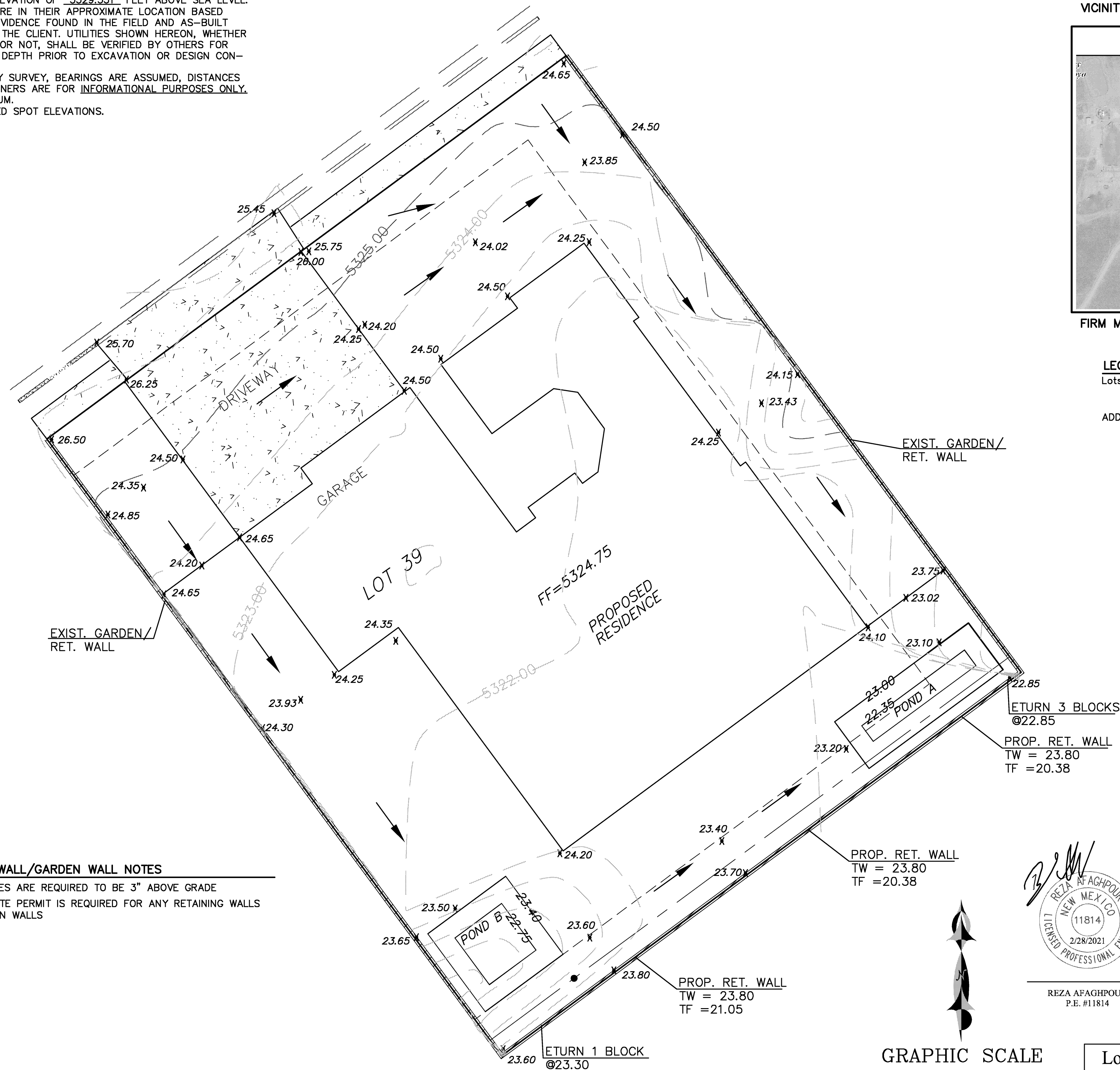


FM35001C0113G

Lots 39, BLOCK 5, VOLCANO CLIFFS SUBDIVISION, UNIT 5

ADDRESS: 8020 MONTE CARLO DR N.W.

--- 5030 ---	EXISTING CONTOUR (MAJOR)
--- 5029 ---	EXISTING CONTOUR (MINOR)
<hr/>	
X 28.50	PROPOSED SPOT ELEVATION
X 5029.16	EXISTING GRADE
X 5075.65 FL	EXISTING FLOWLINE ELEVATION
■ ■ ■ ■	PROPOSED RETAINING WALL
<i>BC=89.08</i>	BOTTOM OF CHANEL
<i>TF=28.50</i>	TOP OF FOOTING
<i>TRW=28.00</i>	TOP OF RETAINING WALL
HP	HIGH POINT
86.65 85.47	AS-BUILT GRADES
X 5325.64	AS-BUILT SPOT ELEVATIONS
FF=5326.60 FP=5325.90	



LAST REVISION: 4.28.201

Lots 39, Block 5, Volcano Cliffs Subdivision, Unit 5
8020 monte Carlo Dr., NW
GRADING PLAN

DRAWING: 202104-GD.DWG	DRAWN BY: SH-B	DATE: 2-22-21	SHEET # 1
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