

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

October 28, 2021

Shawn Biazar
SBS Construction and Engineering, LLC
10209 Snowflake Ct. NW
Albuquerque, NM 87114

RE: 8719 Central Ave NW
Grading & Drainage Plan
Engineer's Stamp Date: 09/26/21
Hydrology File: K09D049

Dear Mr. Biazar:

Based upon the information provided in your submittal received 09/28/2021, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this site has an existing house and since the building is for a garage, a pad certification is not needed for this project.

Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

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

Sincerely,

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



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 8917 CENTRAL AVE. NW GARAGE ADDITION **Building Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: LOT 15-A, BLOCK 7, ORIGINAL TOWNSITE OF WESTLAND

City Address: 8917 CENTRAL AVENUE, NW

Applicant: SBS CONSTRUCTION AND ENGINEERING, LLC **Contact:** SHAWN BIAZAR

Address: 7632 WILLIAM MOYERS AVE., NE, ALBUQUERQUE, NM 87122

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: 09-28-2021 **By:** SHAWN BIAZAR

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Location

lot 15-A, Block 7, Original Townsite of Westland, is located at 8719 Central Avenue, NW containing 0.933 acre. See attached portion of Vicinity Map K-9-Z for exact location.

Purpose

The purpose of this drainage report is to present a grading and drainage solution for 1140 SF of new garage and a future 1200 SF pool on this lot.

Existing Drainage Conditions

This lot is very flat and drains south to Central Ave., NW. No offsite runoff enters this site.

Proposed Conditions and On-Site Drainage Management Plan

The draiage patterns will remain the same. The additional runoff volume generated by the construction of the garage will be retained on site. The total volume requirement under proposed conditions is 658.40 CF . The retetion pond provided has a volume of 824.03 CF.

VOLUME CALCULATIONS FOR 10 DAY STORM

BASIN	AREA (SF)	AREA (AC)	AREA (MT ³)
ON-SITE	40,841.72	0.933	0.001458

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

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

EA = 0.55
EB = 0.73
EC = 0.95
ED = 2.24

P-60 = 1.69
P-360 = 2.17
P-1440 = 2.49
P-10 Day = 3.90

EXISTING CONDITIONS	PROPOSED CONDITIONS
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AA = 0.00%	AA = 0.00%
AB = 30.00%	AB = 24.00%
AC = 50.00%	AC = 50.00%
AD = 20.00%	AD = 26.00%

E = 1.1420 IN	E = 1.2326 IN
V-360 = 0.0888 AC-FT	V-360 = 0.0958 AC-FT
AD = 0.1866 AC	AD = 0.2426 AC
V-10 DAY = 0.1157 AC-FT	V-10 DAY = 0.1308 AC-FT
V-10 DAY= 5,039.57 CF	V-10 DAY= 5,697.79 CF

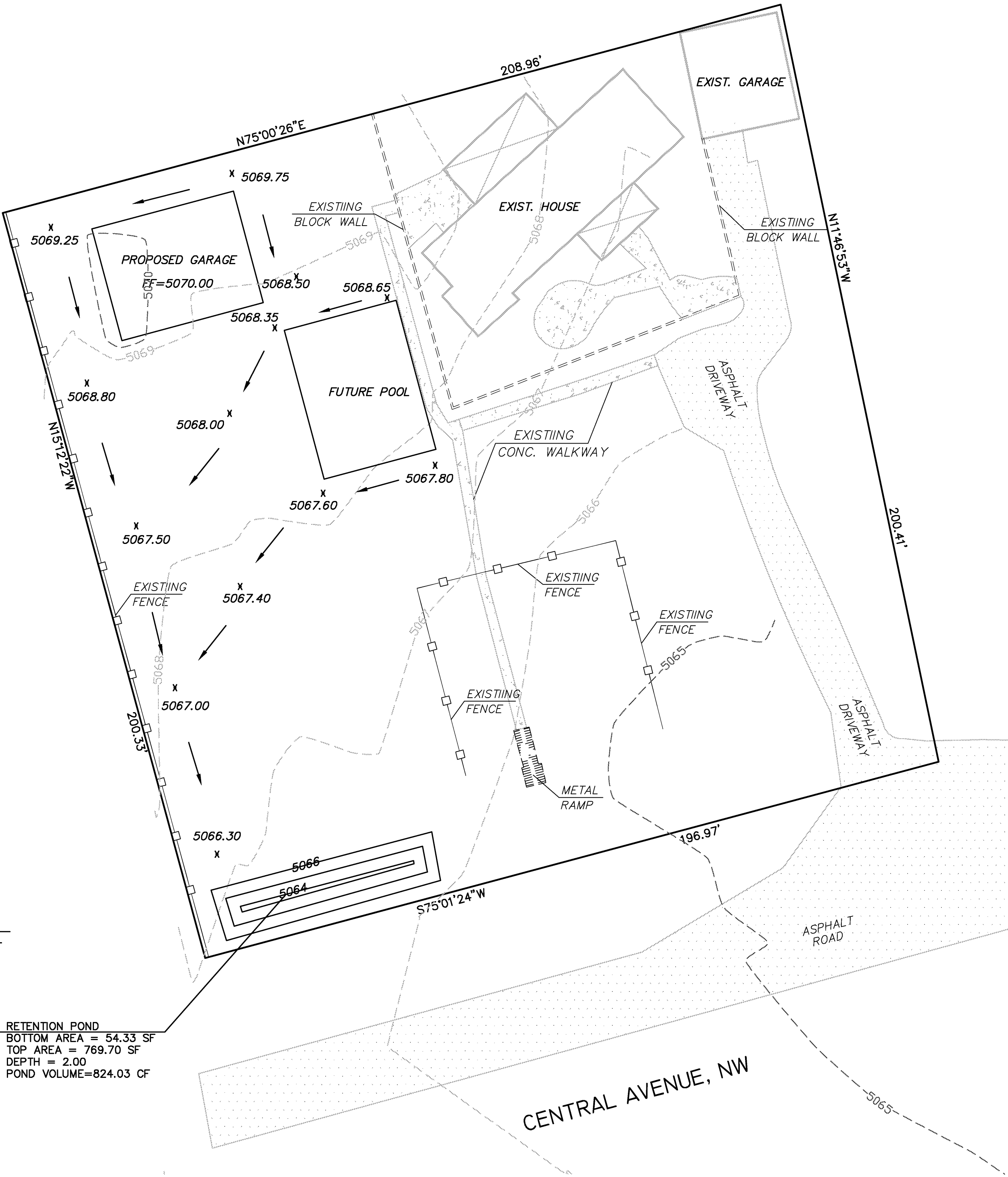
V (REQUIRED) =5,697.97 - 5,039.57 = 658.40 CF

POND VOLUME REQUIRED FOR FIRST FLUSH

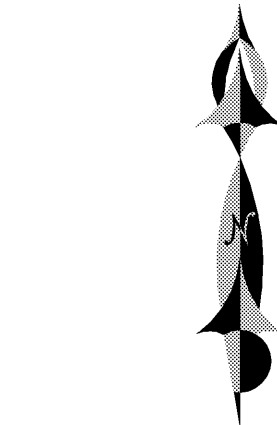
0.62 INCHES x IMPERVIOUS AREA = (0.62/12 x 2,340.00) = 120.09 CF
THIS VOLUME IS PART OF THE PONDING PROVIDED.

PONDING VOLUME CALCULATION

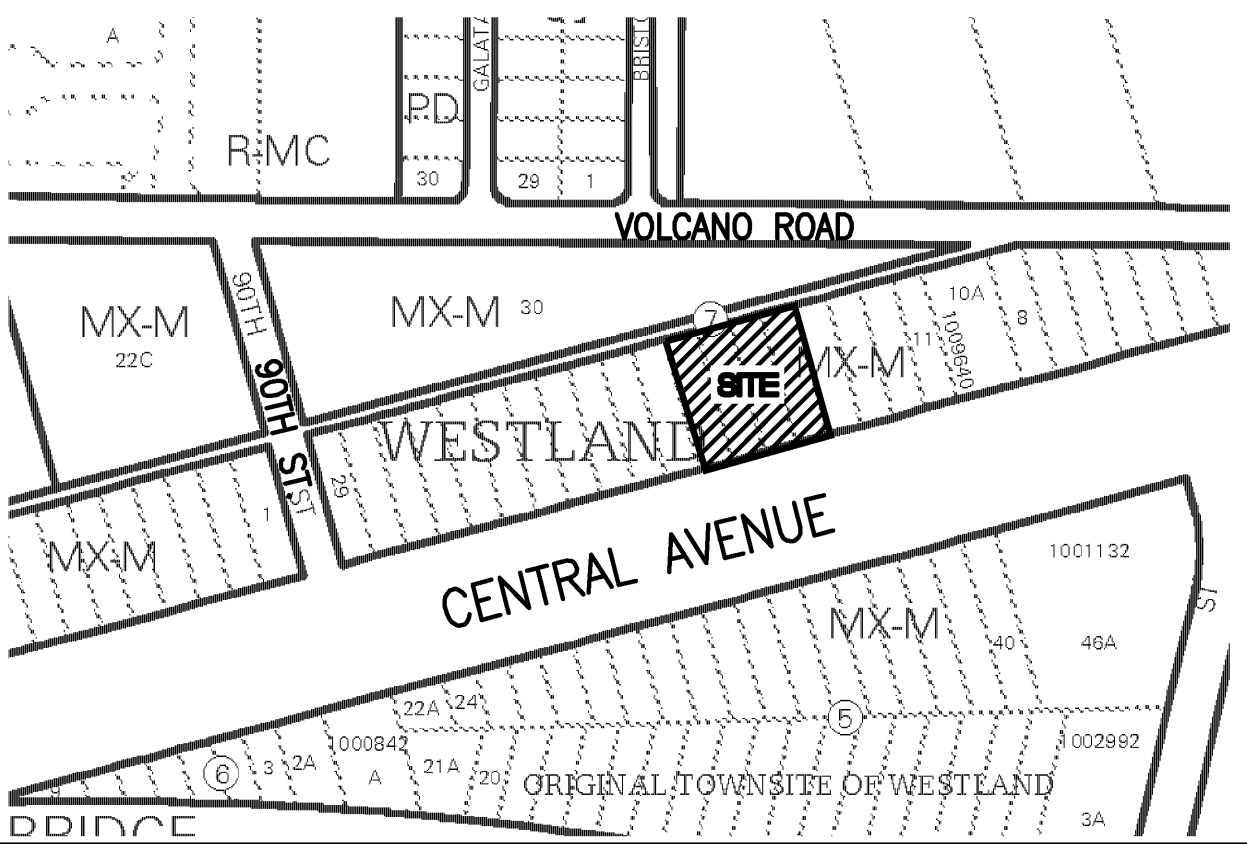
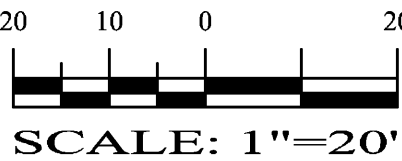
BOTTOM AREA (@ 5064)= 54.33 SF
TOP AREA (@5066) = 769.70 SF
DEPTH = 2.00
POND VOLUME=(769.70+54.33)/2*2
POND VOLUME=824.03 CF > 658.40 CF



RETENTION POND
BOTTOM AREA = 54.33 SF
TOP AREA = 769.70 SF
DEPTH = 2.00
POND VOLUME=824.03 CF



GRAPHIC SCALE



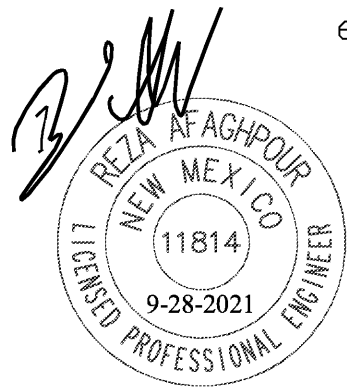
VICINITY MAP: K-9-Z



FIRM MAP: 35001C0328J

LEGAL DESCRIPTION:
LOT 15-A, BLOCK 7, ORIGINAL TOWNSITE OF WESTLAND
ADDRESS: 8719 CENTRAL AVE., NW

LEGEND	
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	BOUNDARY LINE
	PROPOSED SPOT ELEVATION
	EXISTING GRADE
	EXISTING FLOWLINE ELEVATION
	PROPOSED RETAINING WALL
	BOTTOM OF CHANEL
	TOP OF FOOTING
	TOP OF RETAINING WALL
	HIGH POINT
	AS-BUILT GRADES
	AS-BUILT SPOT ELEVATIONS



REZA AFAGHPOUR
P.E. #11814
**SBS CONSTRUCTION
AND ENGINEERING, LLC**
7632 WILLIAM MOYERS AVE., NE
ALBUQUERQUE, NEW MEXICO 87122
(505) 804-8013
EMAIL: AECLLC@AOL.COM

8719 CENTRAL AVE., NW NEW GARAGE
GRADING PLAN

DRAWING: 202115-GD.DWG	DRAWN BY: SH-B	DATE: 9-29-2021	SHEET # 1
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