

CITY OF ALBUQUERQUE



May 26, 2017

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

**Re: Pappé Addition
3440 2nd St NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 11-24-14 (G14D087)
Certification dated: 4-24-17**

Dear Mr. Afaghpour,

Based on the Certification received 5/26/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3686 or Totten Elliott at 924-3982.

Albuquerque

Sincerely,

New Mexico 87103

James D. Hughes, P.E.
Principal Engineer, Planning Dept.
Development and Review Services

www.cabq.gov

TE/JH

C: email, Serna, Yvette M.; Fox, Debi; Tena, Victoria C.; Sandoval, Darlene M

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, 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 LINE LOCATING SERVICE, 765-1234, 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.

Location

Lot 17-A-2, Pappe Additions, contains +/- 0.333 acre and is located at 3440 2ND Street, NW. See attached portion of the Vicinity Map for exact location.

Purpose

The purpose of this drainage report is to present a grading and drainage solution to replace existing improvements with this new building.

Existing Drainage Conditions

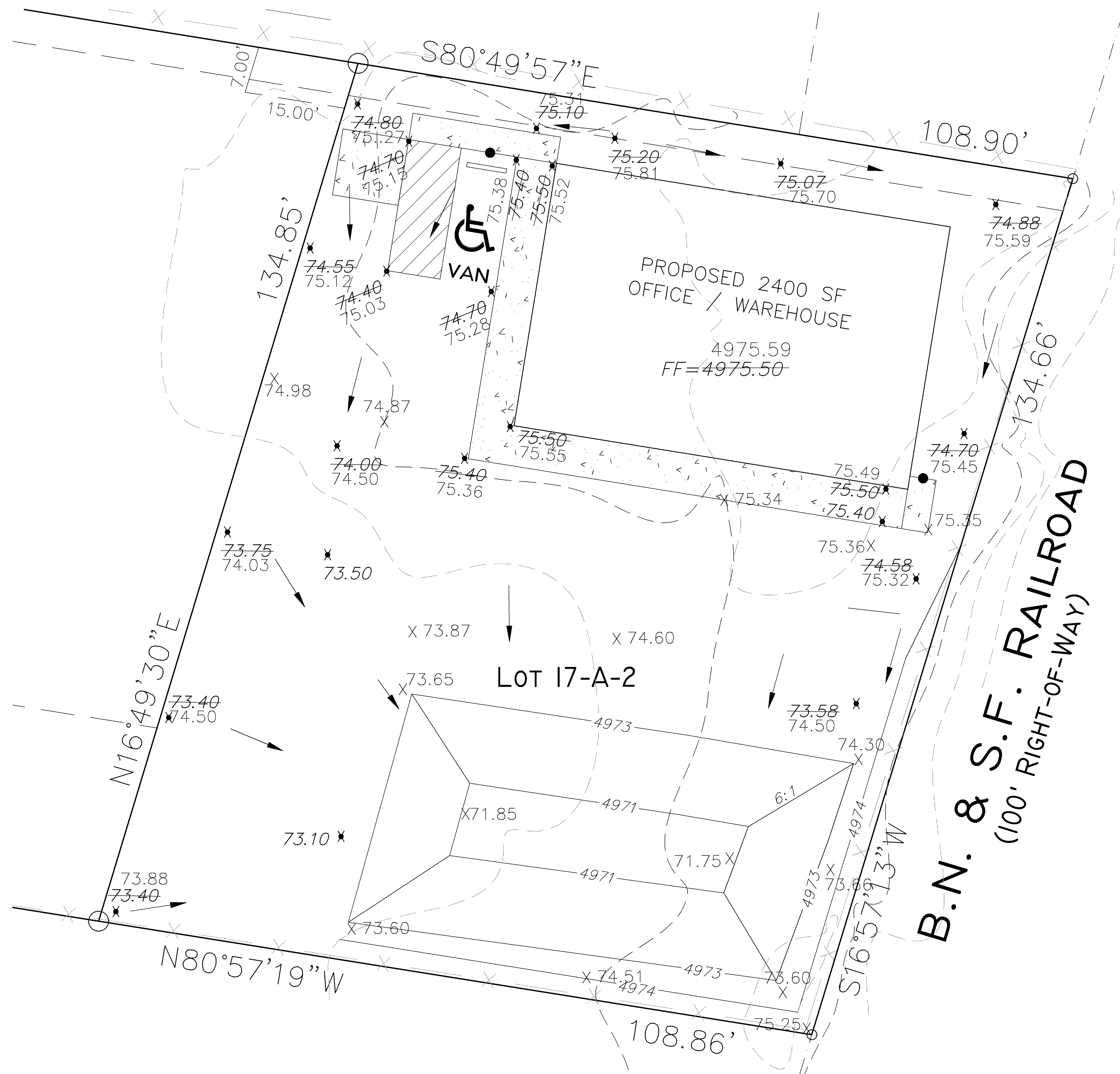
There is existing slab on site which covers more than 40% of site. No off-site runoff enters the site, the site drains east to west and north to south. Based on the FIRM Map 35001C0332G (revised September 26, 2008) the site does not fall within a 100-year floodplain.

Proposed Conditions and On-Site Drainage Management Plan

The runoff generated from this site will be retained on-site. A pond is designed to hold the 100-yr/24-day volume. Since the runoff from the entire site is being retained on site, the first flush will be retained within the proposed retention pond as well.

Calculations

City of Albuquerque, Development Process Manual, Section 22.2, Hydrology Section, was used for runoff calculations. See this plan for AHYMO input and Summary output files.



VICINITY MAP: D-15-Z

LEGAL DESCRIPTION:
LOT 17-A-2, PAPPE ADDITION, CONTAIN 0.3334 ACRE

- GENERAL NOTES:**
- 1: CONTOUR INTERVAL IS HALF (1.00) FOOT.
 - 2: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION 9_D15, HAVING AN ELEVATION OF 4988.802 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 EXACT LOCATION 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.

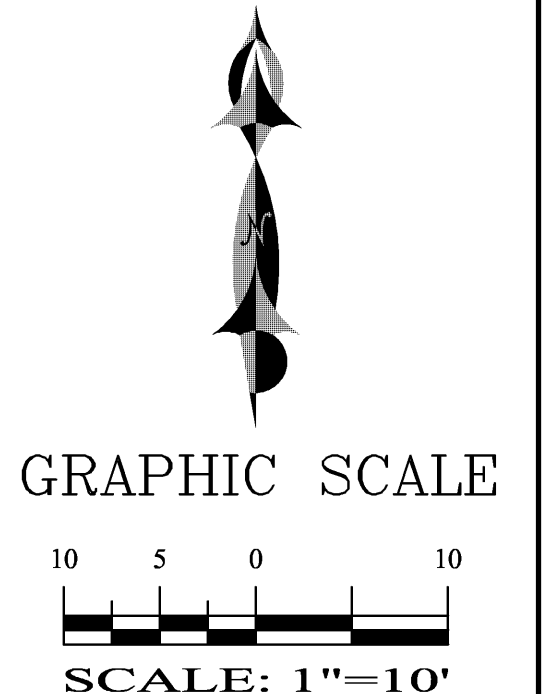
DRAINAGE CERTIFICATION
I, REZA AFAGHPUR, NMPE 11814, OF SBS CONSTRUCTION AND ENGINEERING, LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11-24-2014. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY NMPS 9801, OF SBS CONSTRUCTION AND ENGINEERING, LLC. 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 CERTIFICATE OF OCCUPANCY.

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 AFAGHPUR, NMPE 11814

 REZA AFAGHPUR, NMPE 11814
 DATE: 04/24/2017

- LEGEND**
- 5100 — EXISTING CONTOUR (MAJOR)
 - 5102 — EXISTING CONTOUR (MINOR)
 - BOUNDARY LINE
 - ✱ 85.46 PROPOSED SPOT ELEVATION
 - ✱ 4986.40 AC-PA EXISTING GRADE
 - ▬ PROPOSED BERM
 - 86.65 AS-BUILT GRADES
 - 86.65 AS-BUILT SPOT ELEVATIONS



* ZONE 2

 * 100-YEAR, 24-HR STORM (UNDER EXISTING CONDITIONS) *

 START TIME=0.0
 RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
 RAIN ONE=2.01 IN RAIN SIX=2.35 IN
 RAIN DAY=2.75 IN DT=0.03333 HR

 * ON-SITE COMPUTE NM HYD ID=1 HYD NO=100.0 AREA=0.000521 SQ MI
 PER A=60.00 PER B=0.00 PER C=0.00 PER D=40.00
 TP=0.1333 HR MASS RAINFALL=-1

 * 10-YEAR, 24-HR STORM (UNDER EXISTING CONDITIONS) *

 START TIME=0.0
 RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
 RAIN ONE=1.34 IN RAIN SIX=1.57 IN
 RAIN DAY=1.83 IN DT=0.03333 HR

 * ON-SITE COMPUTE NM HYD ID=1 HYD NO=110.0 AREA=0.000521 SQ MI
 PER A=60.00 PER B=0.00 PER C=0.00 PER D=40.00
 TP=0.1333 HR MASS RAINFALL=-1

 * 100-YEAR, 24-HR STORM (UNDER PROPOSED CONDITIONS) *

 START TIME=0.0
 RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
 RAIN ONE=2.01 IN RAIN SIX=2.35 IN
 RAIN DAY=2.75 IN DT=0.03333 HR

 * ON-SITE COMPUTE NM HYD ID=1 HYD NO=100.1 AREA=0.000521 SQ MI
 PER A=0.00 PER B=7.50 PER C=7.50 PER D=85.00
 TP=0.1333 HR MASS RAINFALL=-1

 * 10-YEAR, 24-HR STORM (UNDER PROPOSED CONDITIONS) *

 START TIME=0.0
 RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
 RAIN ONE=1.34 IN RAIN SIX=1.57 IN
 RAIN DAY=1.83 IN DT=0.03333 HR

 * ON-SITE COMPUTE NM HYD ID=1 HYD NO=110.1 AREA=0.000521 SQ MI
 PER A=0.00 PER B=7.50 PER C=7.50 PER D=85.00
 TP=0.1333 HR MASS RAINFALL=-1

 FINISH

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - VERSION: 1997.02d RUN DATE (MON/DAY/YR) = 11/23/2014
 INPUT FILE = 2ND-24.TXT USER NO. = AHYMO-I-9702c01000R31-AH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1	NOTATION
START											
RAINFALL	TYPE= 1									TIME=	.00
COMPUTE NM HYD	100.00	-	1	.00052	.95	.032	1.16487	1.500	2.842	PER IMP=	40.00
START										TIME=	.00
RAINFALL	TYPE= 1									RAIN6=	1.570
COMPUTE NM HYD	110.00	-	1	.00052	.49	.017	.61016	1.500	1.478	PER IMP=	40.00
START										TIME=	.00
RAINFALL	TYPE= 1									RAIN6=	2.350
COMPUTE NM HYD	100.10	-	1	.00052	1.48	.054	1.93856	1.500	4.451	PER IMP=	85.00
START										TIME=	.00
RAINFALL	TYPE= 1									RAIN6=	1.570
COMPUTE NM HYD	110.10	-	1	.00052	.95	.033	1.19416	1.500	2.862	PER IMP=	85.00
FINISH											

POND CALCULATION A
 BOTTOM AREA = 457.56 SF, TOP AREA = 2,309.33 SF, DEPTH = 2.0'
 VOLUME PROVIDED = (457.56 + 2,309.33)/2 X 2 = 2,766.89 CF
 100 YR/24-HR STORM REQUIRED = 0.062 AC-FT = 2,700.72 CF

REZA AFAGHPUR, NMPE 11814

 REZA AFAGHPUR
 P.E. #11814

SBS CONSTRUCTION AND ENGINEERING, LLC

10209 SNOWFLAKE CT, NW
 ALBUQUERQUE, NEW MEXICO 87114
 (505)804-5013

3440 2ND STREET, NW GRADING AND DRAINAGE PLAN			
DRAWING:	DRAWN BY:	DATE:	SHEET #
201424-GR.DWG	SH-B	10-22-2014	1

LAST REVISION: 11-24-14