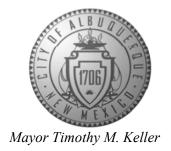
# CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



September 29, 2020

Sheldon Greer, P.E. RESPEC 5971 Jefferson St. NE Suite 101 Albuquerque, New Mexico 87109

RE: Lot 24 Block 1 Unit 22 Volcano Cliffs SAD 228 8000 Agua Fria NW Grading and Drainage Plan

Engineers Stamp Date 5/12/2020 (D10D003N24)

Pad Certification Date: 8/24/2020

Mr. Greer.

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 9/25/2020, this plan is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained with the approved G&D plan and Pad Certification. Also, if a swimming pool is to be added after this approval the grading and drainage plan will change and will need to be resubmitted.

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

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

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 11/2018)

Project Title:	Building P	Permit #:	Hydrology File #:
DRB#:	EPC#:		Work Order#:
Legal Description:			
City Address:			
Applicant:			Contact:
Address:			
			E-mail:
Owner:			Contact:
Address:			
			E-mail:
TYPE OF SUBMITTAL:PLA	Γ (# OF LOTS)	RESIDENCE	_ DRB SITE ADMIN SITE
IS THIS A RESUBMITTAL?:	Yes	No	
DEPARTMENT: TRAFFIC/ T	RANSPORTATION _	HYDROLOG	Y/ DRAINAGE
Check all that Apply:  TYPE OF SUBMITTAL:  ENGINEER/ARCHITECT CERTON  CONCEPTUAL G & D PLAN  GRADING PLAN  DRAINAGE MASTER PLAN  DRAINAGE REPORT  FLOODPLAIN DEVELOPMENTON  ELEVATION CERTIFICATE  CLOMR/LOMR  TRAFFIC CIRCULATION LAY  TRAFFIC IMPACT STUDY (TIEST)  OTHER (SPECIFY)  PRE-DESIGN MEETING?	PERMIT APPLIC OUT (TCL)	BUILI CERT PRELI SITE I SITE I FINAI SIA/ F FOUN GRAD SO-19 PAVII GRAD WORK CLOM FLOO	APPROVAL/ACCEPTANCE SOUGHT: DING PERMIT APPROVAL IFICATE OF OCCUPANCY IMINARY PLAT APPROVAL PLAN FOR SUB'D APPROVAL PLAN FOR BLDG. PERMIT APPROVAL RELEASE OF FINANCIAL GUARANTEE IDATION PERMIT APPROVAL DING PERMIT APPROVAL APPROVAL APPROVAL OF PERMIT APPROVAL
DATE SUBMITTED:	By:		

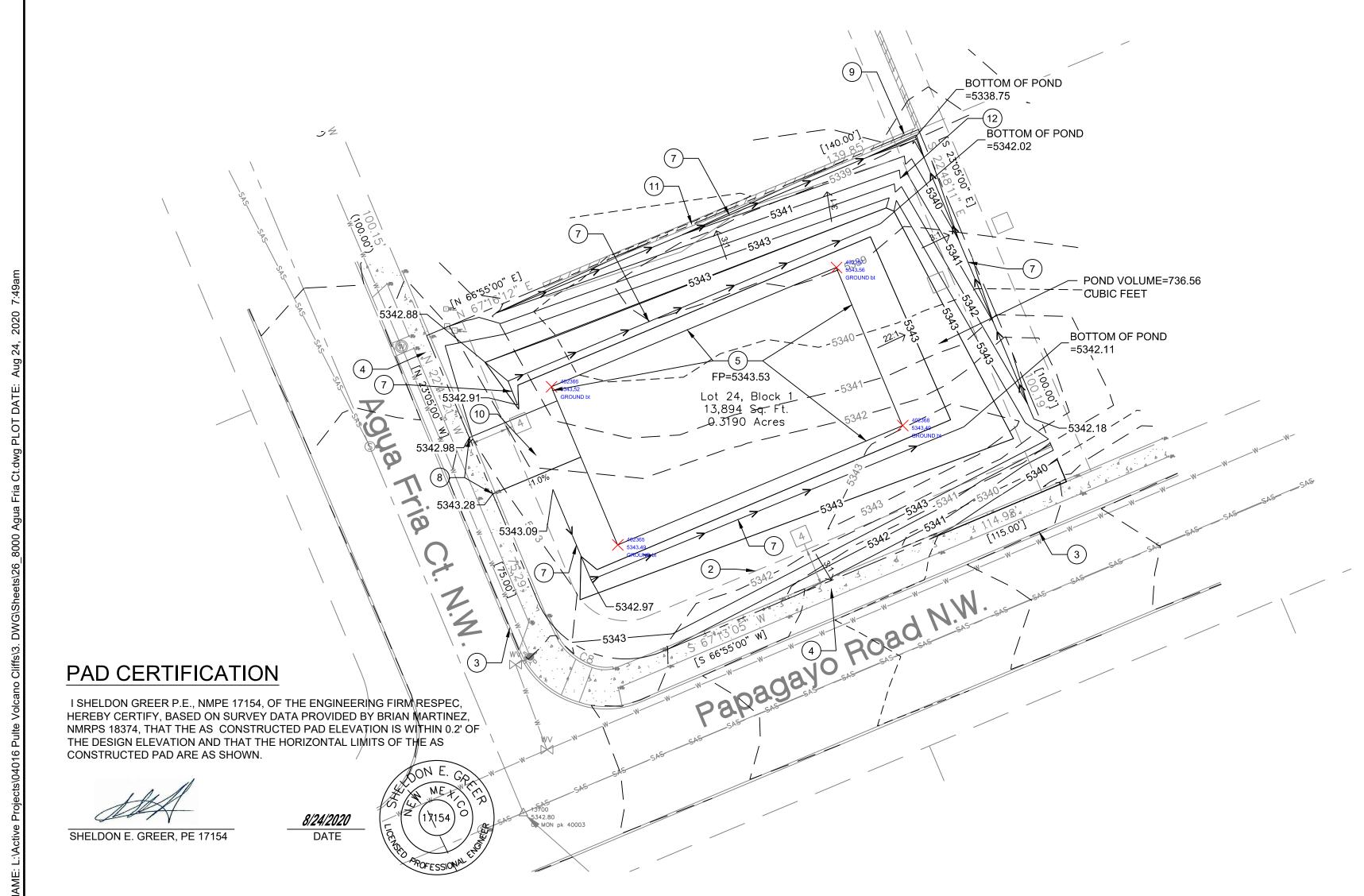
COA STAFF: ELECTRONIC SUBMITTAL RECEIVED:\_\_\_\_

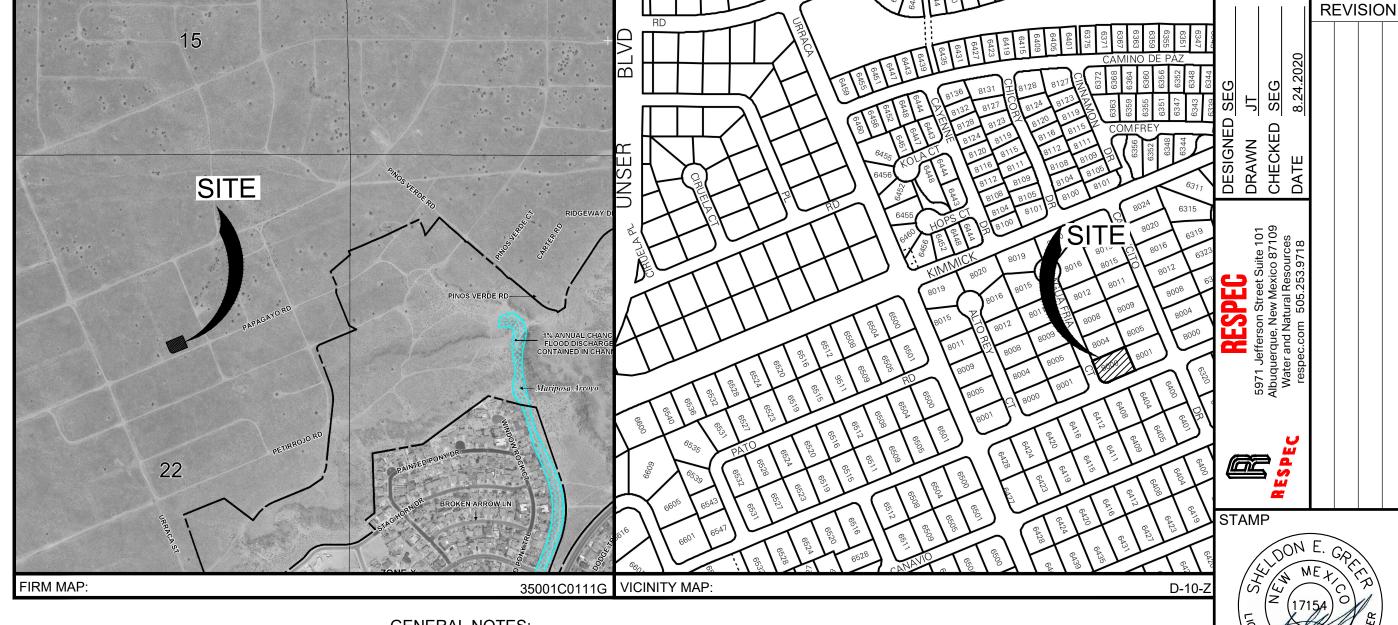
FEE PAID:

Project Name:	Pulte Lot ID	26												DRAIN TO	DRAIN TO		
Project Address:	8000 Agua F	ria Ct												FRONT	REAR	Q100 TO	Q100 TO
Pulte Site ID:	Lot 26							Q100				DMP		LOT	LOT	FRONT	REAR
						AREA		/ACRE	Q100		DMP	Q100		AREA	AREA	LOT	LOT
						(SF)	% AREA	(CFS/Ac.)	(cfs)		%	(cfs)		(sq. ft.)	(sq. ft.)	(cfs)	(cfs)
								(1)	(3)		(2)	(4)					
					Α	0	0.0%	1.29	0.00		0.0%	0.00		0	0	0.00	0.00
Site Area	(sq. ft.)	13894			В	4247	30.6%	2.03	0.20		10.0%	0.06		800	3447	0.04	0.16
					С	4247	30.6%	2.87	0.28		40.0%	0.37		800	3447	0.05	0.23
House Area	(sq. ft.)	3500			D	5400	38.9%	4.37	0.54		50.0%	0.70		600	4800	0.06	0.48
Driveway Area	(sq. ft.)	400			TOTAL	13894	100.00%		1.02			1.13			11694	0.15	0.87
Other Imp Area	(sq. ft.)	1500															
To	tal Imp. Area:	5400			NOTES:	(1) Zone 1	- Table A-	9 Albuquer	que DPM								
						(2) Per Vo	lcano Cliff	s Drainage	Manageme	nt Plan							
						(3) Total D	ischarge										
						(4) Allowa	ble Discha	irge									
TABLE 2. WATER C	VOLUM	E AS			_			ng site is no Canoncito		aesignate	ed 1100d		include	the construc	tion of a si	ngle family r	provements will esidence with ccordance with the
SITES													SAD 228	drainage ma	anagement	plan for unit	: 19, the runoff wil
Percent Impervious	Runoff Depth	Runoff Rate	Runoff							free discharge allowable discharge.  The allowable discharge was determined by analysis of the bas							
,	Deptii	nunojj nute	Volume											-		•	analysis of the ba
(%D)	(inches)	(cfs/ac)	Volume (cubic										The allo	wable discha	arge was de	etermined by	analysis of the ba of the basin were
•	- I				-								The allo	wable dischang the lot. The	arge was de e land use <sub>l</sub>	etermined by percentages	
(%D)	(inches)	(cfs/ac)	(cubic										The allo includinapportion	wable dischang the lot. The	arge was de e land use <sub>l</sub> en roadway	etermined by percentages is and lots ba	of the basin were sed on area. The re
(% <b>D</b> )	(inches)	(cfs/ac) 0	<b>(cubic</b> 0										The allo includir apportion drivewa	wable dischang the lot. The coned between and an ad-	arge was de e land use <sub>l</sub> en roadway ditional <b>1</b> 50	etermined by percentages and lots ba	of the basin were sed on area. The re
(%D) 0 20	(inches) 0 0.09	(cfs/ac) 0 0.5	(cubic 0 327		-						-		The allo includir apportion drivewa	wable dischang the lot. The oned between oned an adderness are in	arge was de e land use <sub>l</sub> en roadway ditional <b>1</b> 50	etermined by percentages and lots ba	of the basin were sed on area. The ro structure
(%D) 0 20 40 60	(inches) 0 0.09 0.18 0.27	(cfs/ac) 0 0.5 0.8 1.2	(cubic 0 327 653								-		The allo includir apportion drivewa improve	wable dischang the lot. The oned between oned an adderness are in	arge was de e land use <sub>l</sub> en roadway ditional <b>1</b> 50	etermined by percentages and lots ba	of the basin were sed on area. The ro structure
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(%D) 0 20 40 60	(inches) 0 0.09 0.18 0.27	(cfs/ac) 0 0.5 0.8 1.2	(cubic 0 327 653 980						Runoff	Vol			The allo includir apportion drivewa improve	wable dischang the lot. The oned between oned an adderness are in	arge was de e land use <sub>l</sub> en roadway ditional <b>1</b> 50	etermined by percentages and lots ba	of the basin were sed on area. The ro structure
(%D) 0 20 40 60	(inches)  0  0.09  0.18  0.27  0.36	(cfs/ac) 0 0.5 0.8 1.2 1.35 1.5	(cubic 0 327 653 980 1037 1670	Imn Area	% Imp				Runoff				The allo includir apportion drivewa improve	wable dischang the lot. The oned between oned an adderness are in	arge was de e land use <sub>l</sub> en roadway ditional <b>1</b> 50	etermined by percentages and lots ba	of the basin were sed on area. The ro structure
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### Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL FG	1.00	1.00	13892.17 Sq. Ft.	18.73 Cu. Yd.	912.86 Cu. Yd.	894.13 Cu. Yd. <fill></fill>
Totals			13892.17 Sq. Ft.	18.73 Cu. Yd.	912.86 Cu. Yd.	894.13 Cu. Yd. <fill></fill>





### **GENERAL NOTES:**

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THE CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 1986 EDITION, UPDATE NO. 8 VOL. 1 AND 2 JANUARY 2011.
- 2. THE EROSION PROTECTION SPECIFIED THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.
- 3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
- 4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDED OR LANDSCAPED.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

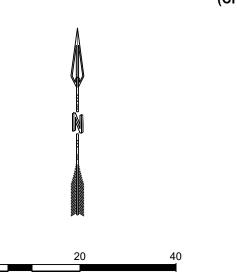
THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE ARE OF WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF RESPEC INC. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

### **EROSION CONTROL NOTES:**

- 1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING OF WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR **CLEANING AL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY**
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITIES OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.



- ( ) <u>KEYED NOTES</u>
- EXISTING PROPERTY LINE
- 2. EXISTING 10' P.U.E. 3. EXISTING STANDARD CURB AND GUTTER
- 4. EXISTING SIDEWALK
- PAD EXTENTS
- 6. HIGH POINT OF SWALE
- 7. SWALE 8. MATCH DRIVEWAY TO BACK OF EXISTING SIDEWALK
- 9. IF PERIMETER WALL INSTALLED THEN PROVIDE TURNED BLOCK TO ALLOW FOR CROSS LOT DRAINAGE
- 10. PROPOSED DRIVEWAY LOCATION. DRIVEWAY PERMIT BY OTHERS
- 11. EXISTING WALL ADJACENT TO PROPERTY (RETAINING WALL MAY HAVE TO BE ADJUSTED WHEN EXISTING WALL ARE ENCOUNTERED.)
- 12. RUNDOWN

OLC/ GUA PUL

THIS DRAWING IS INCOMPLET AND NOT TO BE USED FOR

CONSTRUCTION UNLESS IT IS STAMPED. SIGNED AND DATED

> AND PLAN GRADING

SHEET NUMBER:

1 OF 1