



Mayor Timothy M. Keller

November 5, 2021

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

RE: **Lot 13 Block 6 Volcano Cliffs Unit 18 SAD 228**
8011 Alto Rey Ct. NW
Grading and Drainage Plan
Engineers Stamp Date 10/29/2020 (D10D003N4)
Pad Certification Dated: 11/03/2021

Mr. Greer,

Based upon the information provided in your submittal received 11/4/2021, 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.

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 placed the grading and drainage plan will change and will need to be resubmitted showing location of pool and land treatment changes.**

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 Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

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

Owner: _____ **Contact:** _____

Address: _____

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

TYPE OF SUBMITTAL: _____ PLAT (____# OF LOTS) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ 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: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

June 23, 2021
Mathew Vallejos
Green Globe Environmental, LLC
PO Box 400
Los Lunas NM, 87031

**Re: Pulte at Volcano Cliffs Unit 18
Erosion and Sediment Control Plan
Engineer's Stamp Date 6/17/2021 (D10E003_P)**

Dear Mr. Vallejos,

Based upon the information provided in your submittal received 6/16/2021, the above referenced plan is approved to be included in the SWPPP and Building Permit plans.

The EPA Notice of Intent (NOI) documentation has been reviewed and is approved for Grading and Building Construction.

Please remember to include a copy of the approved plan and the signed NOI in the Building Permit application.

If you have any questions, you can contact me at 924-3420 or jhughes@cabq.gov.

Sincerely,

James D. Hughes

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

Submission of this Notice of Intent (NOI) constitutes notice that the operator identified in Section III of this form requests authorization to discharge pursuant to the NPDES Construction General Permit (CGP) permit number identified in Section II of this form. Submission of this NOI also constitutes notice that the operator identified in Section III of this form meets the eligibility requirements of Part 1.1 CGP for the project identified in Section IV of this form. Permit coverage is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in Part 8 of the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage. Refer to the instructions at the end of this form.

Permit Information

NPDES ID: NMR1002X8State/Territory to which your project/site is discharging: NM

Is your project/site located on federally recognized Indian Country lands? No

Are you requesting coverage under this NOI as a "Federal Operator" as defined in Appendix A
(https://www.epa.gov/sites/production/files/2019-05/documents/final_2017_cgp_appendix_a_-_definitions.pdf)?

No

Have stormwater discharges from your current construction site been covered previously under an NPDES permit? No

Will you use polymers, flocculants, or other treatment chemicals at your construction site? No

Has a Stormwater Pollution Prevention Plan (SWPPP) been prepared in advance of filling this NOI, as required? Yes

Are you able to demonstrate that you meet one of the criteria listed in Appendix D (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_d_-_endangered_species_reqs_508.pdf) with respect to protection of threatened or endangered species listed under the Endangered Species Act (ESA) and federally designated critical habitat?

Yes

Have you completed the screening process in Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_e_-_historic_properties_reqs_508.pdf) relating to the protection of historic properties?

Yes

Indicating "Yes" below, I confirm that I understand that CGP only authorized the allowable stormwater discharges in Part 1.2.1 and the allowable non-stormwater discharges listed in Part 1.2.2. Any discharges not expressly authorized in this permit cannot become authorized or shielded from liability under CWA section 402(k) by disclosure to EPA, state or local authorities after issuance of this permit via any means, including the Notice of Intent (NOI) to be covered by the permit, the Stormwater Pollution Prevention Plan (SWPPP), during an inspection, etc. If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.2.1 and 1.2.2 will be discharged, they must be covered under another NPDES permit.

Yes

Operator Information

Operator Information

Operator Name: Pulte Homes of New Mexico

Operator Mailing Address:

Address Line 1: 7601 Jefferson NEAddress Line 2: Suite 180City: AlbuquerqueZIP/Postal Code: 87109State: NMCounty or Similar Division: Bernalillo

Operator Point of Contact Information

First Name **Middle Initial** **Last Name:** Brian Anderson

Title: Land Development PM

Phone: 505-331-8711 **Ext.:**

Email: brian.anderson@pultegroup.com

NOI Preparer Information

☒ This NOI is being prepared by someone other than the certifier.

First Name **Middle Initial** **Last Name:** Mathew F Vallejos

Organization: Green Globe Environmental

Phone: (505) 304-8473 **Ext.:**

Email: matt@greenglobenm.com

Project/Site Information

Project/Site Name: Petroglyph Estates

Project/Site Address

Address Line 1: Unser Blvd. NW and Kimmick Dr. NW

Address Line 2: **City:** Albuquerque

ZIP/Postal Code: 87120 **State:** NM

County or Similar Division: Bernalillo

Latitude/Longitude: 35.168308°N, 106.717022°W

Latitude/Longitude Data Source: Map **Horizontal Reference Datum:** WGS 84

Project Start Date: 04/22/2020 **Project End Date:** 04/23/2021 **Estimated Area to be Disturbed:** 14.75

Types of Construction Sites:

- Single-Family Residential

Will there be demolition of any structure built or renovated before January 1, 1980? No

Was the pre-development land use used for agriculture? No

Have earth-disturbing activities commenced on your project/site? No

Is your project/site located on federally recognized Indian Country lands? No

Is your project/site located on a property of religious or cultural significance to an Indian tribe? No

Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? Yes

Are there any waters of the U.S. within 50 feet of your project's earth disturbances? No

Are any of the waters of the U.S. to which you discharge designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water) or as a Tier 3 water (Outstanding National Resource Water)? See Appendix F (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_f_-_tier_3_tier_2_and_tier_2.5_waters_508.pdf)

Yes

001: Boca Negro Arroyo

Latitude/Longitude: 35.159565°N, 106.718164°W

Tier Designation: N/A

Is this receiving water impaired (on the CWA 303(d) list)? No

Has a TMDL been completed for this receiving waterbody? No

002: Rio Grande River

Latitude/Longitude: 35.135686°N, 106.687084°W

Tier Designation: Tier 2

Is this receiving water impaired (on the CWA 303(d) list)? Yes

Impaired Pollutants:

- Dissolved oxygen
- E. coli
- Temperature

Has a TMDL been completed for this receiving waterbody? Yes

TMDL ID: NM2105 Name: Rio Grande River (Tijeras Arroyo to Alameda Bridge)

TMDL Pollutants:

- Dissolved oxygen
- E. coli
- Temperature

Stormwater Pollution Prevention Plan (SWPPP)



First Name Middle Initial Last Name: Kevin Patton

Organization:

Title: Director of Land Planning & Entitlements

Phone: 505-238-2857 Ext.:

Email: kevin.patton@pultegroup.com



Using the Instructions in Appendix D of the CGP, under which criterion listed in Appendix D are you eligible for coverage under this permit?

Criterion A

Provide a brief summary of the basis for criterion selection listed above (the necessary content for a supportive basis statement is provided under the criterion you selected.):

Per USFWS official list of threatened and endangered species, all threatened and endangered species critical habitat' are outside the project limits.

Historic Preservation



Are you installing any stormwater controls as described in Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_e_-_historic_properties_reqs_508.pdf) that require subsurface earth disturbances? (Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_e_-_historic_properties_reqs_508.pdf), Step 1)

Yes

- ➔ Have prior surveys or evaluations conducted on the site already determined historic properties do not exist, or that prior disturbances have precluded the existence of historic properties? (Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_e_-_historic_properties_reqs_508.pdf), Step 2):

Yes

Certification Information



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Kevin Patton

Certifier Title: Director of Land Planning & Entitlements

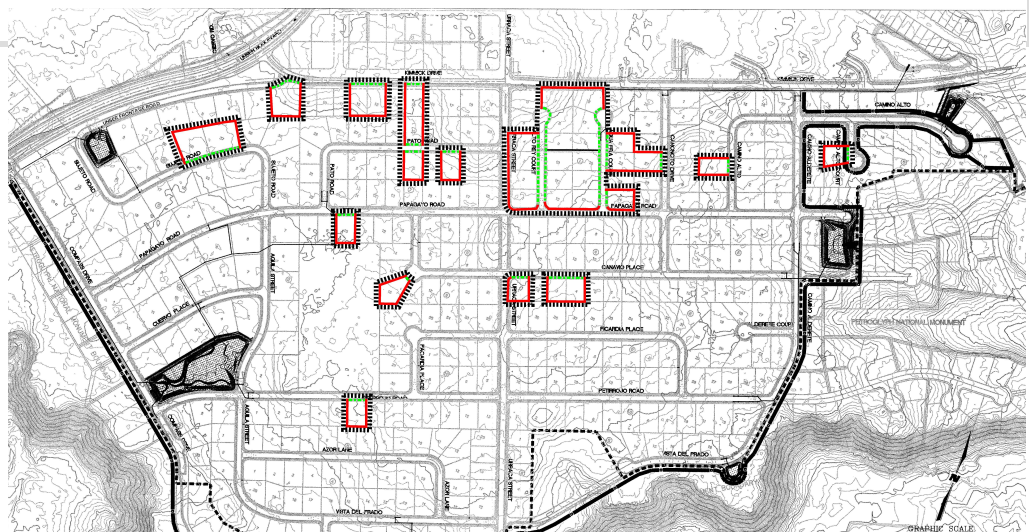
Certifier Email: kevin.patton@pultegroup.com

Certified On: 06/17/2021 5:50 PM ET

D10E003_P

James D. Hughes

6/23/21



Project Name: Petroglyph Estates
Project Address: 8011 Alto Ray CT
Pulte Site ID: Lot 4

Site Area (sq. ft.) 14000
House Area (sq. ft.) 5170
Driveway Area (sq. ft.) 500
Other Imp Area (sq. ft.) 1500
Total Imp. Area: 7170

	AREA (SF)	% AREA	Q100 /ACRE		Q100 (cfs)		DMP (%)	DMP Q100 (cfs)	DRAIN TO FRONT REAR		Q100 TO FRONT REAR	
			(CFS/AC.)	(1)	(2)	(3)			AREA	LOT	AREA	LOT
A	0	0.0%	1.29	0.00			0.0%	0.00	0	0	0.00	0.00
B	3415	24.4%	2.03	0.16			10.0%	0.07	300	3115	0.01	0.15
C	3415	24.4%	2.87	0.23			40.0%	0.37	300	3115	0.02	0.21
D	7170	51.2%	4.37	0.72			50.0%	0.70	600	6570	0.06	0.66
TOTAL	14000	100.00%		1.10				1.14	12800	0.09	1.01	

NOTES:
(1) Zone 1- Table A-9 Albuquerque DPM
(2) Per Volcano Cliffs Drainage Management Plan
(3) Total Discharge
(4) Allowable Discharge

TABLE 2. WATER QUALITY STORM EVENT RUNOFF RATE AND VOLUME AS A PERCENT OF IMPERVIOUS AREA FOR 40-ACRE AND SMALLER SITES

Percent Impervious (%)	Runoff Depth (inches)	Runoff Rate (cfs/ac)	Runoff Volume (cubic feet/ac)
0	0	0	0
20	0.09	0.5	327
40	0.18	0.8	653
60	0.27	1.2	980
80	0.36	1.35	1037
100	0.46	1.5	1670

Existing Conditions:
The existing site is not within a designated flood zone. The site surface drains to the drainage channel on Lots 9 and 16.

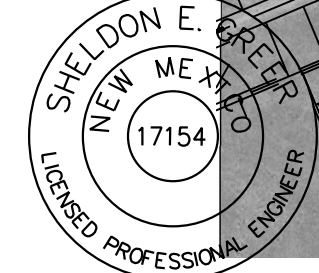
Proposed Conditions:
The proposed site improvements will include the construction of a single family residence with landscaping and onsite improvements. In accordance with the SAD 228 drainage management plan, the runoff will free discharge allowable discharge. The allowable discharge was determined by analysis of the basin including the lot. The lot use percentages of the basin were apportioned between roadways and lots based on area. The roof, driveway, and an additional 1500 sq. ft. for structure improvements are included in the impervious area percentage for the lot.

PAD CERTIFICATION

I SHELTON GREER P.E., NMPE 17154, OF THE ENGINEERING FIRM RESPEC, HEREBY CERTIFY, BASED ON SURVEY DATA PROVIDED BY BRIAN MARTINEZ, NMRRS 18374, THAT THE AS CONSTRUCTED PAD ELEVATION IS WITHIN 0.2' OF THE DESIGN ELEVATION AND THAT THE HORIZONTAL LIMITS OF THE AS CONSTRUCTED PAD ARE AS SHOWN.

SHELTON E. GREER, PE 17154

11/03/2021
DATE



FIRM MAP:

35001C012G

VICINITY MAP:

D-10-Z

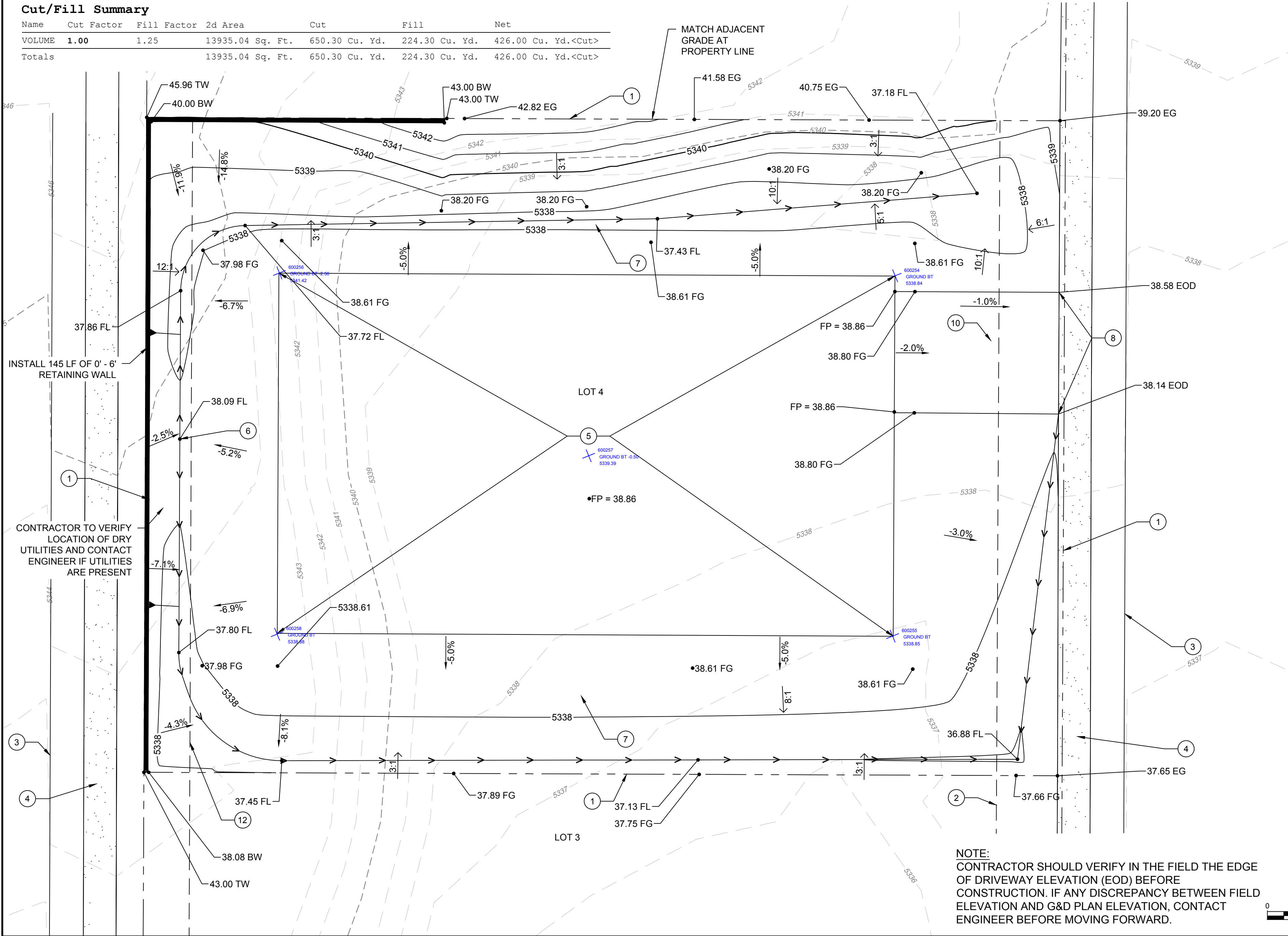
Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOLUME	1.00	1.25	13935.04 Sq. Ft.	650.30 Cu. Yd.	224.30 Cu. Yd.	426.00 Cu. Yd.<Cut>
Totals			13935.04 Sq. Ft.	650.30 Cu. Yd.	224.30 Cu. Yd.	426.00 Cu. Yd.<Cut>

Runoff Vol. (per ac.)
0-20 20-40 40-60 60-80 80-100
51.2 0 0 836.4 0 0

Total Water Quality Volume Required: 269 cu. ft.
Provided: 366 cu. ft.

0.45 Inches of runoff from Imp. Area



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.
- 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.
- THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
- ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDING 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.
- GRADING SHOWN HEREIN ASSUMES THE CONCURRENT GRADING OF THE ADJACENT LOTS BELONGING TO THE SAME PROPERTY OWNER.

NOTE:

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.

NOTE:

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

NOTE:

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:

- 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 ALL 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.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

LEGEND

TW = TOP OF WALL
BW = BOTTOM OF WALL
FG = FINISHED GROUND
EG = EXISTING GROUND
FL = FLOW LINE
EOD = EDGE OF DRIVEWAY
FP = FINISHED PAD
TOB = TOP OF BERM

RETAINING WALL
TOP OF BERM

KEYED NOTES

- EXISTING PROPERTY LINE
- EXISTING 10' P.U.E.
- EXISTING STANDARD CURB AND GUTTER
- EXISTING SIDEWALK
- PAD EXTENTS
- HIGH POINT OF SWALE
- SWALE
- MATCH DRIVEWAY TO BACK OF EXISTING SIDEWALK
- IF PERIMETER WALL IS INSTALLED THEN PROVIDE TURNED BLOCK TO ALLOW FOR CROSS LOT DRAINAGE.
- PROPOSED DRIVEWAY LOCATION. DRIVEWAY PERMIT BY OTHERS
- EXISTING WALL ADJACENT TO PROPERTY (RETAINING WALL MAY HAVE TO BE ADJUSTED WHEN EXISTING WALL ARE ENCOUNTERED.)
- EXISTING 7' P.U.E.
- 6" RIPRAP RUNDOWN

DESIGN BY
DRAWN BY
CHECKED BY

RESPEC
COMMUNITY DESIGN SOLUTIONS
5971 JEFFERSON STREET SUITE 101
ALBUQUERQUE, NM 87110
WWW.RESPEC.COM PHONE (505) 253-9718

REVISION

SHELTON E. GREER
NEW MEXICO
17154
11/03/2021
REGISTERED PROFESSIONAL ENGINEER

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED

PETROGLYPH ESTATES
8011 ALTO RAY CT
PULTE ID 4

GRADING AND DRAINAGE PLAN

PAD CERTIFICATION

1 OF 1