CITY OF ALBUQUERQUE



Planning Department Suzanne Lubar, Director

Mayor Richard J. Berry

June 29, 2016

David Soule, PE Rio Grande Engineering 1606 Central SE Suite 201 Albuquerque, NM 87106

Re: Amos Gallegos Residence

6315 Canavio NW

Request Permanent C.O. - Accepted

Engineer's Stamp dated: 7-6-15 (D10D003V11)

Certification dated: 6-27-16

PO Box 1293

Dear Mr. Soule,

Albuquerque

Based on the Certification received 6/27/2016, the site is acceptable for release of Certificate of Occupancy by Hydrology.

New Mexico 87103 If you have any questions, you can contact me at 924-3686 or Totten Elliott at 924-3982.

www.cabq.gov

Sincerely

Abiel Carrillo, P.E.,

Principal Engineer, Planning Department

Development and Review Services

TE/AC

C: email Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Blocker, Lois



City of Albuquerque

Planning Department

Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: AMOS GALLEGOS RESIDENCE	Building Permit #:	City Drainage #:				
DRB#: EPC#:	EPC#:					
Legal Description: LOT 11 BLOCK 5, UNIT 22 VOLCANO CLIF	FFS					
City Address: 6315 CANAVIO STREET NW						
Engineering Firm: RIO GRANDE ENGINEERING		Contact: DAVID SOULE				
Address: PO BOX 93924, ALBUQUERQUE, NM 87199						
Phone#: 505.321.9099 Fax#: 50	05.872.0999	E-mail: DAVID@RIOGRANDEENGINEERING.COM				
Owner: AMOS GALLEGOS		Contact:				
Address: 2600 PHEONIX NE 87111						
Phone#: Fax#:		E-mail:				
Architect: JOE SLAGEL		Contact:				
Address:						
Phone#: Fax#:		E-mail:				
Surveyor: CONSTRUCTION SURVEY INCORPORATED		Contact: JOHN GALLEGOS				
Address:						
Phone#: 917.8921 Fax#:		E-mail:				
Contractor:		Contact:				
Address:						
Phone#: Fax#:		E-mail:				
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:				
DRAINAGE REPORT	SIA/FINANCIAL GUARAN	TEE RELEASE				
X DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPI	ROVAL				
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D	APPROVAL				
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERM	T APPROVAL				
GRADING PLAN	SECTOR PLAN APPROVAI					
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL					
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPA	ANCY (PERM)				
CLOMR/LOMR	CERTIFICATE OF OCCUPA	ANCY (TCL TEMP)				
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AP	PROVAL				
ENGINEER'S CERT (TCL)	X BUILDING PERMIT APPRO	OVAL				
ENGINEER'S CERT (DRB SITE PLAN)	X GRADING PERMIT APPRO	VAL SO-19 APPROVAL				
ENGINEER'S CERT (ESC)	PAVING PERMIT APPROV	AL ESC PERMIT APPROVAL				
X SO-19	WORK ORDER APPROVAL	ESC CERT. ACCEPTANCE				
OTHER (SPECIFY)	GRADING CERTIFICATION	OTHER (SPECIFY)				
WAS A PRE-DESIGN CONFERENCE ATTENDED:	Yes X No Co	ppy Provided				
DATE SUBMITTED: 6/30/15	Bv·					

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following

- 1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
- 2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres
- 3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- 4. **Erosion and Sediment Control Plan:** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development

Weighted E Method

								100-Year, 6-hr.					
Basin	Area	Area	Treat	ment A		ment B		ment C	Treatm		Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs
existing	15400.00	0.354	80%	0.2828	20%	0.071	0%	0	0%	0.000	0.486	0.014	0.51
ALLOWED	15400.00	0.354	0%	0	10%	0.035	40%	0.14141	50%	0.177	1.448	0.043	1.25
PROPOSED	15400.00	0.354	0%	0	23%	0.081	38%	0.13434	39%	0.138	1.299	0.038	1.15
COMPARISON				-0.2828		0.0106		0.13434		0.138		0.02394	
total						0.09		0.27		0.28		0.06	1.15

Faustions:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

re for 100-year, 6-hour storm- zone 1

Ea= 0.44

Qa=
Eb= 0.67

Qb=

Ed= 1.9/
ONSITE Conditons
FIRST FLUSH WATER QUALITY VOLUME

| REQUIRED (CF) (CF) (CF) (CF) | WATER QUALITY | 170 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 |

Narrative

This site is within the SAD 228 Master Drainage plan boundaries. This site is located witin basin 204 and 207. The site drain to the the adjacent lot per the master drainage plan. We are ponding the increase in flow generated by the develor of this site, allowing upland flow to pass thru. This plan has a shallow water harvest pond per the new city drainage reg This plan is in conformance to the masterplan

I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 7/6/15. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The asbuilt survey was provided DAVID ACOSTA NMPS 21082. The certification is submitted in support of a request for <u>PERMANENT CERTIFICATE OF OCCUPANCY</u>. The record information presented heron 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.

EXCEPTIONS: HOUSE PLAN WAS MIRROR IMMAGED, ONSITE



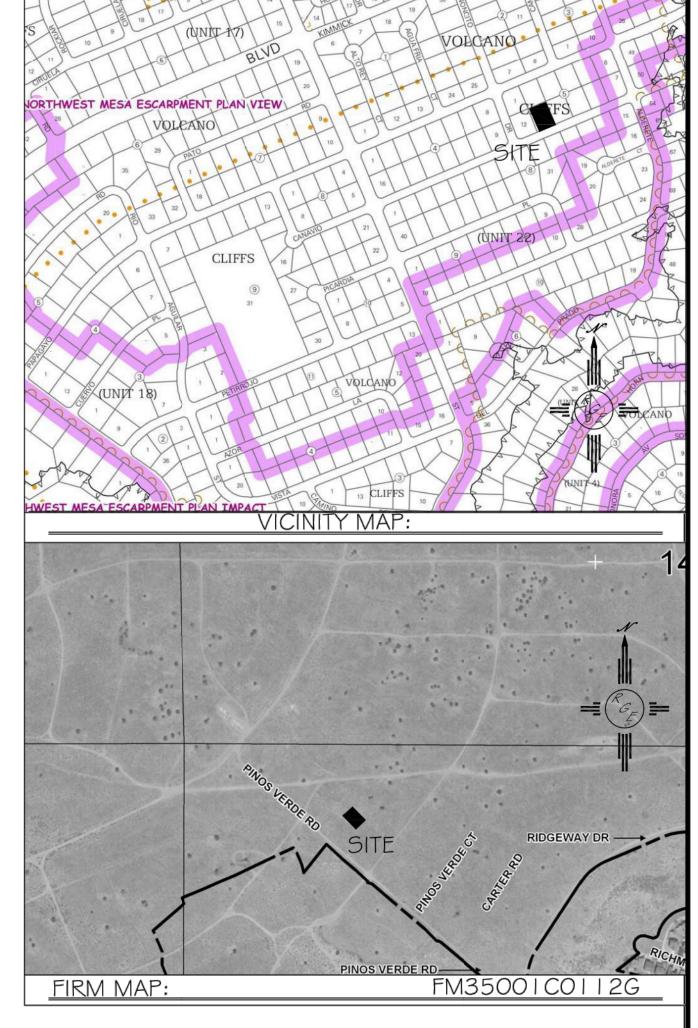
6/27/16

WATER QUALITY VOLME MET LOT 3, BLOCK 5 VOLCANO CLIFFS UNIT 22 <u>RETENTION POND</u> 485 cf - ok for first TOP=5325.35 BOTTOM=5324.00 VOLUME 1185 CF LOT 2, BLOCK 5 VOLCANO CLIFFS UNIT 22 LOT 1, BLOCK 5 TURN 2 BLOCK AT VOLCANO CLIFFS UNIT 22 ELEVATION 5325.35 🗸 4 TOTAL EL=5326.31 -**NAVD 1988** PROVIDED BY CONSTRUCTION SURVEY LOT 10, BLOCK 5 PLS 21082 VOLCANO CLIFFS UNIT 22 TURN ONE BLOCK @ GRADE TO ALLOW FOR CROSS LOT DRAINAGE 🗸 BOTTOM=5326.00 3 TOTAL VOLUME 213 CF LOT 12, BLOCK 5 **VOLCANO CLIFFS UNIT 22** RETENTION POND BOTTOM=5326.00 VOLUME 213 SF

COORDINATES SYSTEM IS NEW MEXICO
STATE PLANE CENTRAL ZONE NAD1983/NAVD 1988
AND ARE REFERENCED TO THE ALBUQUERQUE
GEODETIC REFERENCE SYSTEM AS DETERMINED BY
GPS OBSERVATIONS OBTAINED USING THE
ALBUQUERQUE REAL TIME GNSS NETWORK (ARTGN).
DISTANCES ARE GROUND. THESE VALUES WERE
PROVIDED BY CONSTRUCTION SURVEY TECHNOLOGIES
NMPLS 21082

EROSION CONTROL NOTES:

- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS 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 (CITY) ACCEPTANCE OF ANY PROJECT.



LEGAL DESCRIPTION:

LOT 11, BLOCK 5 UNIT 22, VOLCANO CLIFFS

NOTES:

 ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
 TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS PLAN WAS OBTAINED BY CONSTRUCTION SURVEY TECHNOLOGIES, DAVID ACOSTA PLS 2081, DATED JUNE 2015

LEGEND



