

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Interim Director



Mayor Timothy M. Keller

June 1, 2022

David Soule, P.E.  
Rio Grande Engineering  
PO Box 93924  
Albuquerque, New Mexico 87199

RE: **Lot 2 Block 8 S.A.D. 227 Unit 5  
7912 Marigold Dr. NW  
Grading and Drainage Plan  
Engineers Stamp Date 5/30/2022 (E10D116)**

Mr. Soule,

Based upon the information provided in your submittal received 5/31/2022, this plan is approved for Grading Permit. Please inform the builder/owner to attach a copy of this approved plan and letter into the construction sets in the permitting process prior to sign-off by Hydrology.

**Reiterate to the Owner/Contractor that a separate permit for any garden/retaining wall must be obtained, with the approved G&D plan. Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.**

**Also, let the owner/contractor know that if a pool is to be added in the future the G&D plan will need to be modified showing the location of the pool and the land treatment differences.**

Prior to Building Permit approval, a **Pad Certification** will be required. Inform the contractor/owner not to pile dirt in the street as a ramp to climb the curb. If dirt is found in the street the pad cert. will be denied.

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

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

Apr  
Sincerely,

Ernest Armijo, P.E.  
Principal Engineer, Planning Dept.  
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** 7912 marigold DR NW **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 30 , BLOCK 8 VOLCANO CLIFFS UNIT 5  
**City Address:** 7912 marigold DR NW

**Applicant:** \_\_\_\_\_ **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** RIO GRANDE ENGINEERING **Contact:** DAVID SOULE  
**Address:** PO BOX 93924 ALB NM 87199  
**Phone#:** 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

**TYPE OF DEVELOPMENT:** \_\_\_ PLAT  RESIDENCE \_\_\_ DRB SITE \_\_\_ ADMIN SITE

Check all that Apply:

**DEPARTMENT:**

HYDROLOGY/ DRAINAGE  
\_\_\_ TRAFFIC/ TRANSPORTATION

**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

**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?

\_\_\_ 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) \_\_\_\_\_

IS THIS A RESUBMITTAL?: \_\_\_ Yes  No

**DATE SUBMITTED:** \_\_\_\_\_ **By:** \_\_\_\_\_

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year, 6-hr.		24 hour
			Treatment A	Treatment B	Treatment C	Treatment D	Weighted E	Volume	
ALLOWED FRONT	15736.00	0.361	0%	20%	46%	34%	1.259	0.038	1.16
			0%	20%	34%	46%	1.377	0.041	1.23
			0%	0%	0%	0%			0.043

Equations:

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

Volume = Weighted E \* Total Area

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

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

Ea= 0.44	Qa= 1.29
Eb= 0.67	Qb= 2.03
Ec= 0.99	Qc= 2.87
Ed= 1.97	Qd= 4.37

ONSITE Conditions DRAINAGE SUMMARY

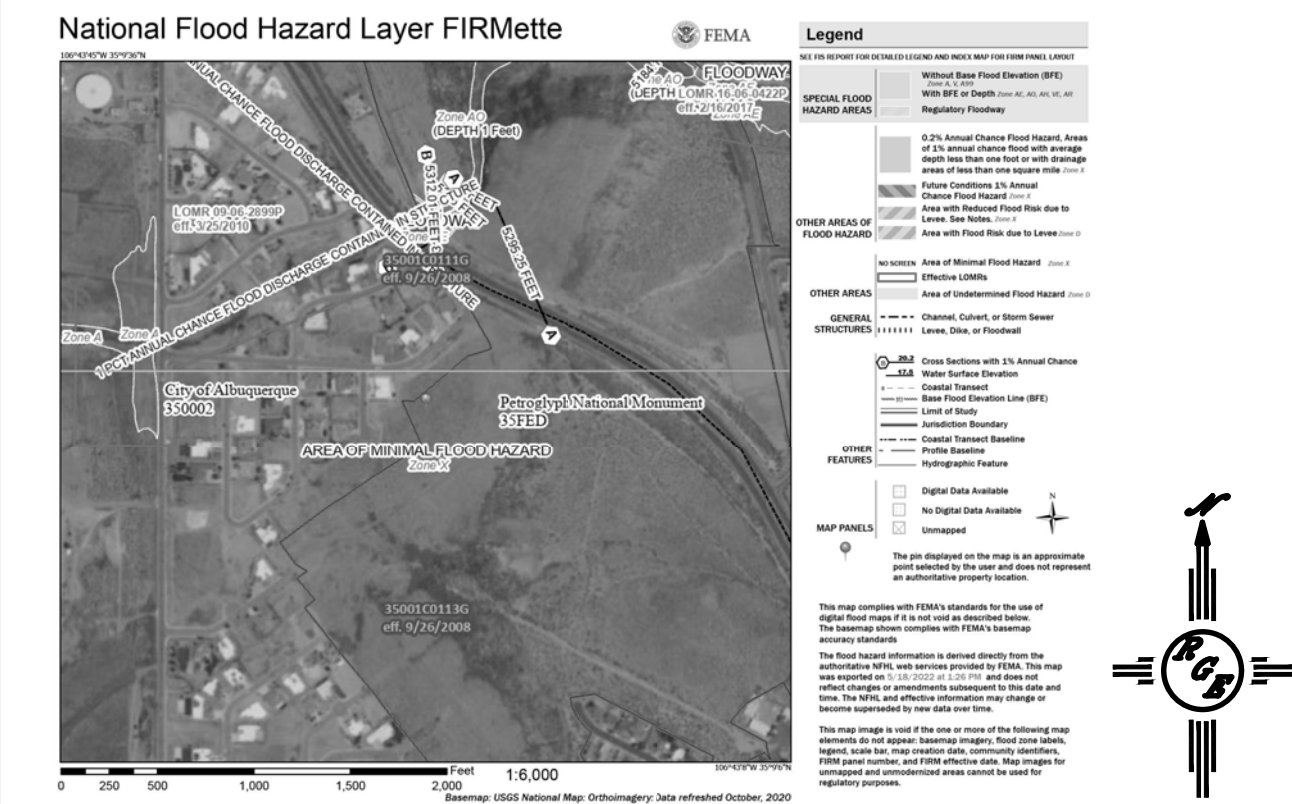
	REQUIRED (CF)	PROVIDED (CF)
FLOOD CONTROL	227	389

Narrative

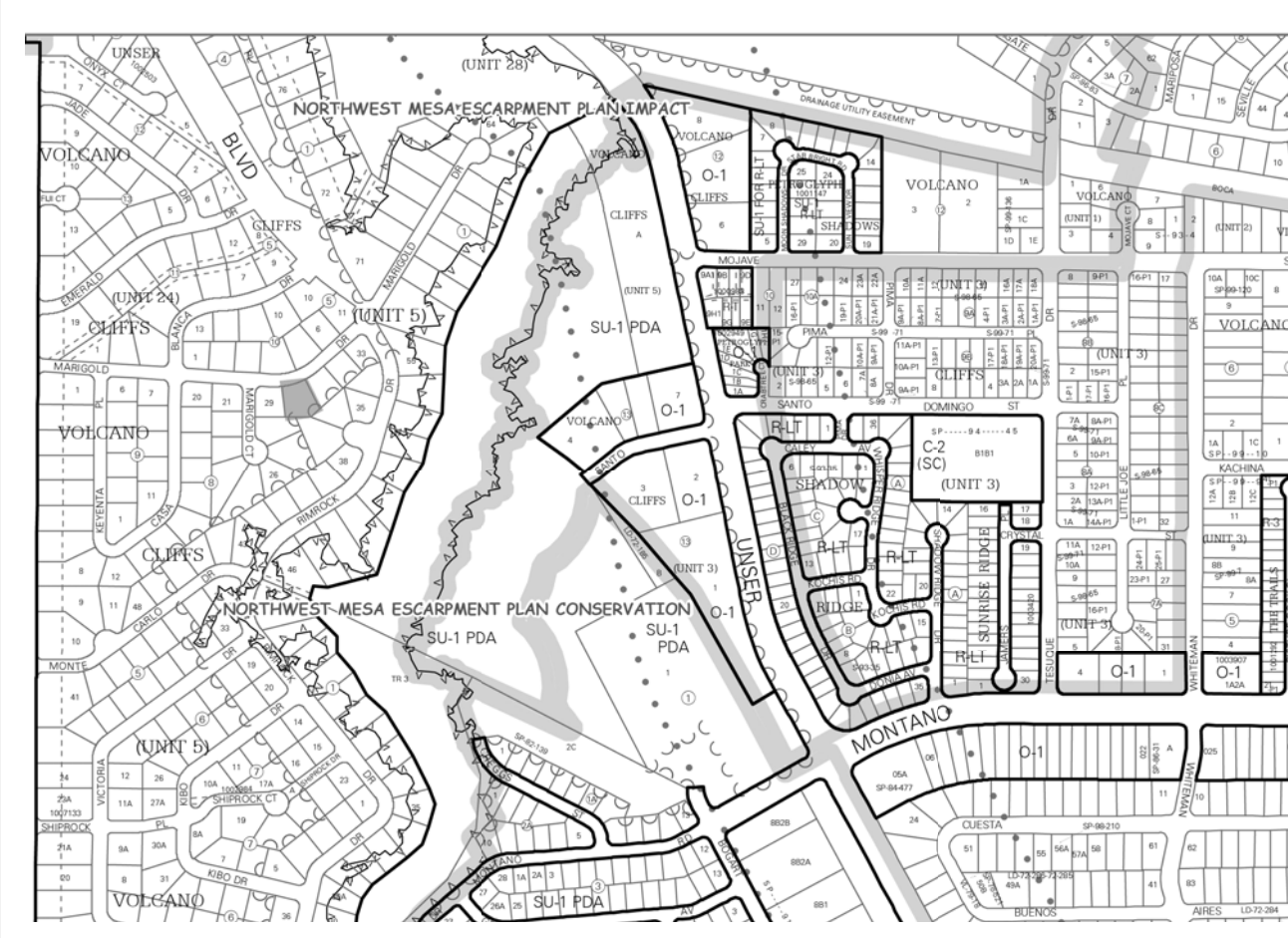
This site is within the SAD 227 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent open space property to the east per the master drainage plan. The site does exceed the SAD 227 developed conditions assumptions, therefore ponding is required. Due to the site being within the height restriction area, ponds and drainage pipes are proposed to minimize elevation of the building and the building drain to the street and the rear yard fills and overflows to the openspace. Upland flow does not impact the property. This plan is in conformance to the master drainage plan

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 ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: ZONE ATLAS PAGE E-10-Z



FIRM MAP: 35001C0111G

LEGAL DESCRIPTION:

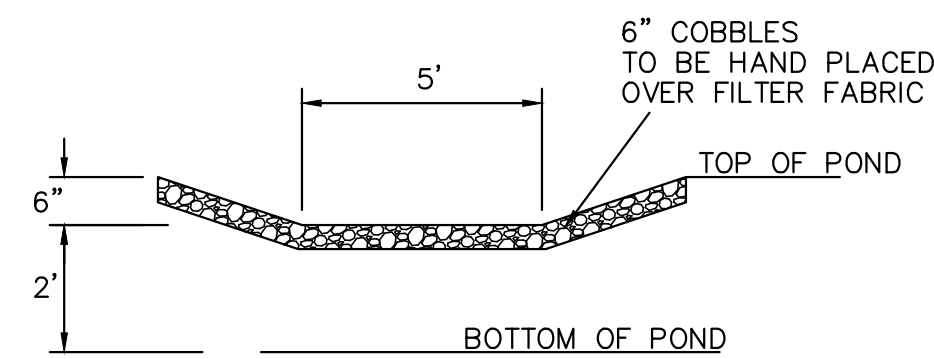
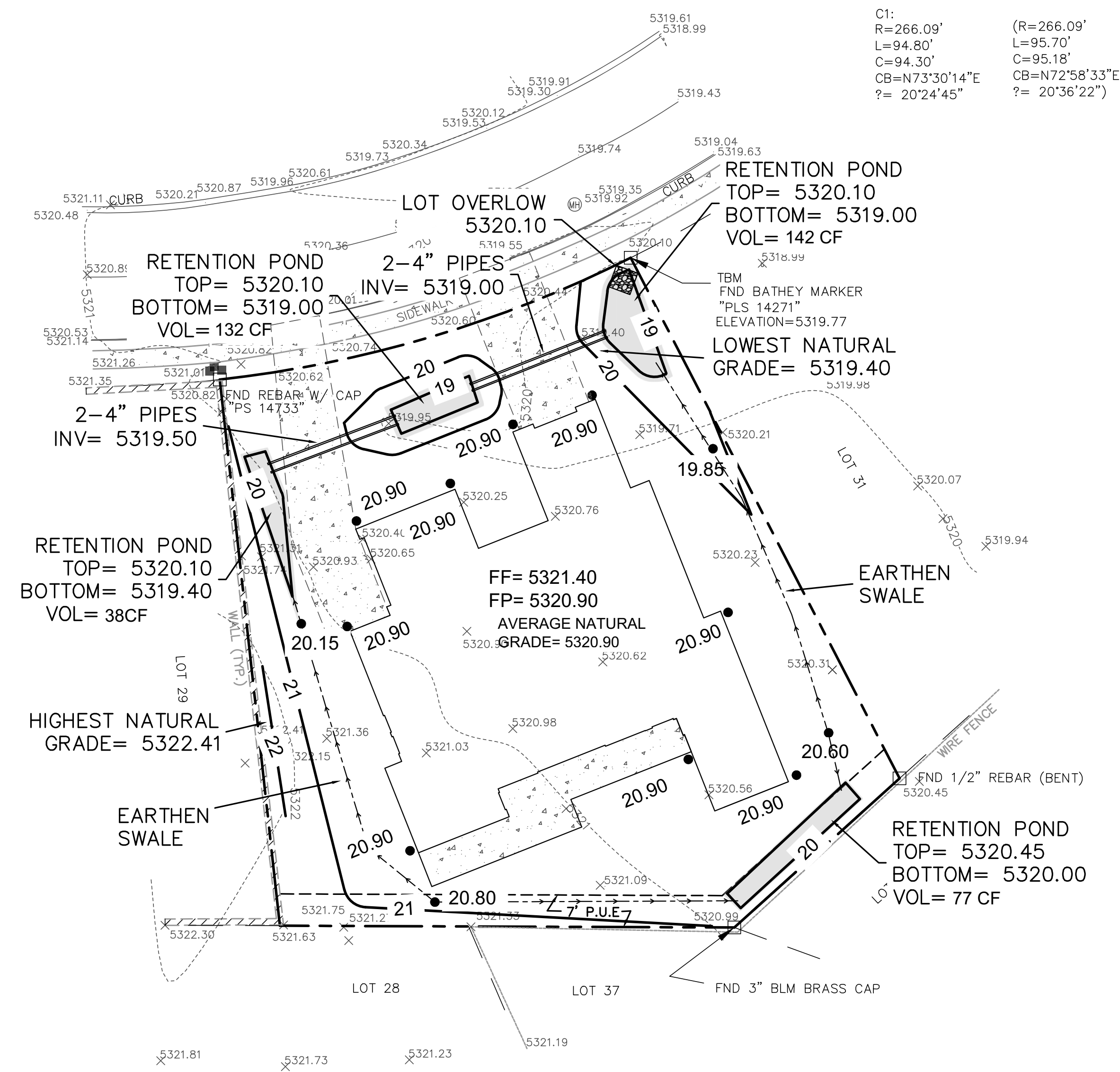
LOT 30, BLOCK 8 VOLCANO CLIFFS UNIT 5 CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
5. A PAD ELEVATION CERTIFICATE SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT

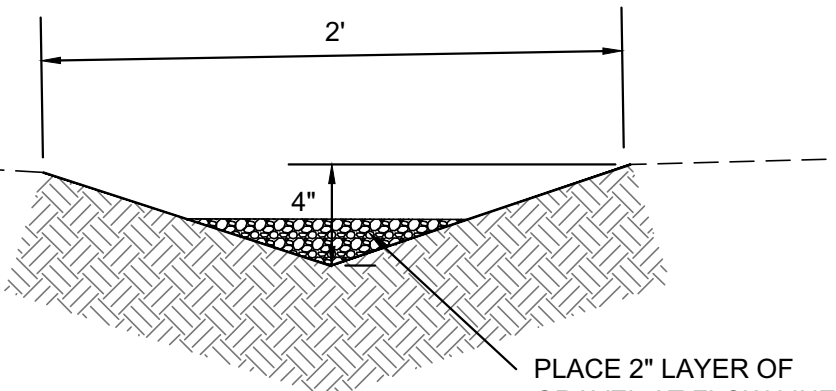
LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
• XXXX	EXISTING SPOT ELEVATION
● XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
-----<-----	PROPOSED EARTHEN SWALE
-----<-----	FEMA DRAINAGE BASIN BOUNDARY
[Pattern]	PROPOSED CONCRETE
[Pattern]	PROPOSED PONDING
[Pattern]	PROPOSED EMERGENCY OVERFLOW



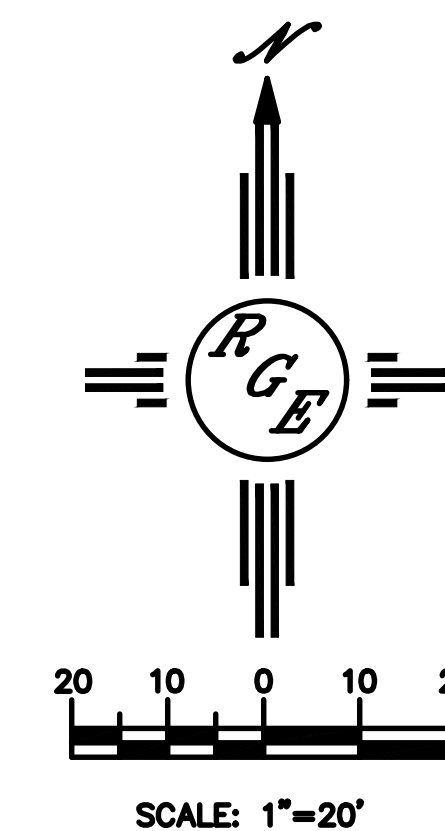
EMERGENCY OVERFLOW DETAIL NTS

CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



EARTHEN SWALE NTS

**CAUTION:**  
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



ENGINEER'S SEAL	<b>LOT 130 BLOCK 8 VOLCANO CLIFFS</b> <b>7912 MARIGOLD DR NW</b>	DRAWN BY JMW
	<b>GRADING AND DRAINAGE PLAN</b>	DATE 5/27/22
5/30/22	 <b>Rio Grande Engineering</b> P.O. BOX 53934 ALBUQUERQUE, NM 87199 (505) 321-8099	7912MARIGOLD.DWG
DAVID SOULE P.E. #14522		SHEET # <b>C1</b>
		JOB #