

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Interim Director



Mayor Timothy M. Keller

January 7, 2022

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

RE: **Lot 10 Block 9 Rebonito Subdivision**  
**1625 Valdez Dr. NE**  
**Grading and Drainage Plan**  
**Engineers Stamp Date 10/27/2021 (J23D031)**  
**Pad Certification Date 12/20/2021**

Mr. Soule,

Based upon the information provided in your submittal received 1/3/2022, this plan is approved for Building Permit.

PO Box 1293 Please inform the builder/owner to attach a copy of this approved plan and this letter to the construction sets in the permitting process prior to sign-off by Hydrology.

Albuquerque **Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained, with the approved G&D plan. Also, advise the owner/contractor not to use dirt as a ramp to climb the curb. If dirt is used it will cause a delay in permitting.**

NM 87103 Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

www.cabq.gov If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

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 6/2018)

**Project Title:** 1625 VALDEZ **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** lot 10 BLOCK 9 REBONITO SUBDIVISION  
**City Address:** 1625 VALDEZ

**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 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?

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

**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: \_\_\_\_\_

Weighted E Method

VALDEZ Existing Developed Basins											
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year, 6-hr. Weighted E (ac-ft)
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	
NATIVE	10688	0.245	80%	0.19629	20.0%	0.049	0.0%	0	0%	0.000	0.856
FRONT BASIN	5117	0.117	0%	0	22.0%	0.026	27.0%	0.03172	51%	0.060	1.978
REAR BASIN	5571	0.128	0%	0	25.0%	0.032	39.0%	0.04988	36%	0.046	1.790
TOTAL	10688	0.245	0%	0	23.6%	0.058	33.3%	0.0816	43%	0.106	1.880
											0.038
											1.03
											0.053

Equations:

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

Where for 100-year, 6-hour storm (zone 4)

Ea= 0.8	Qa= 2.2
Eb= 1.08	Qb= 2.92
Ec= 1.46	Qc= 3.73
Ed= 2.64	Qd= 5.25

Pond volume required

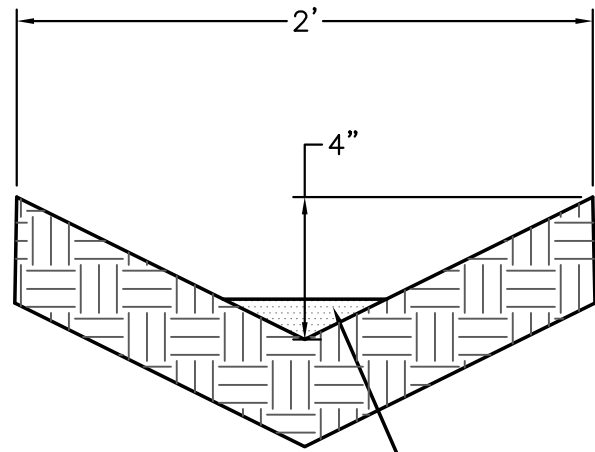
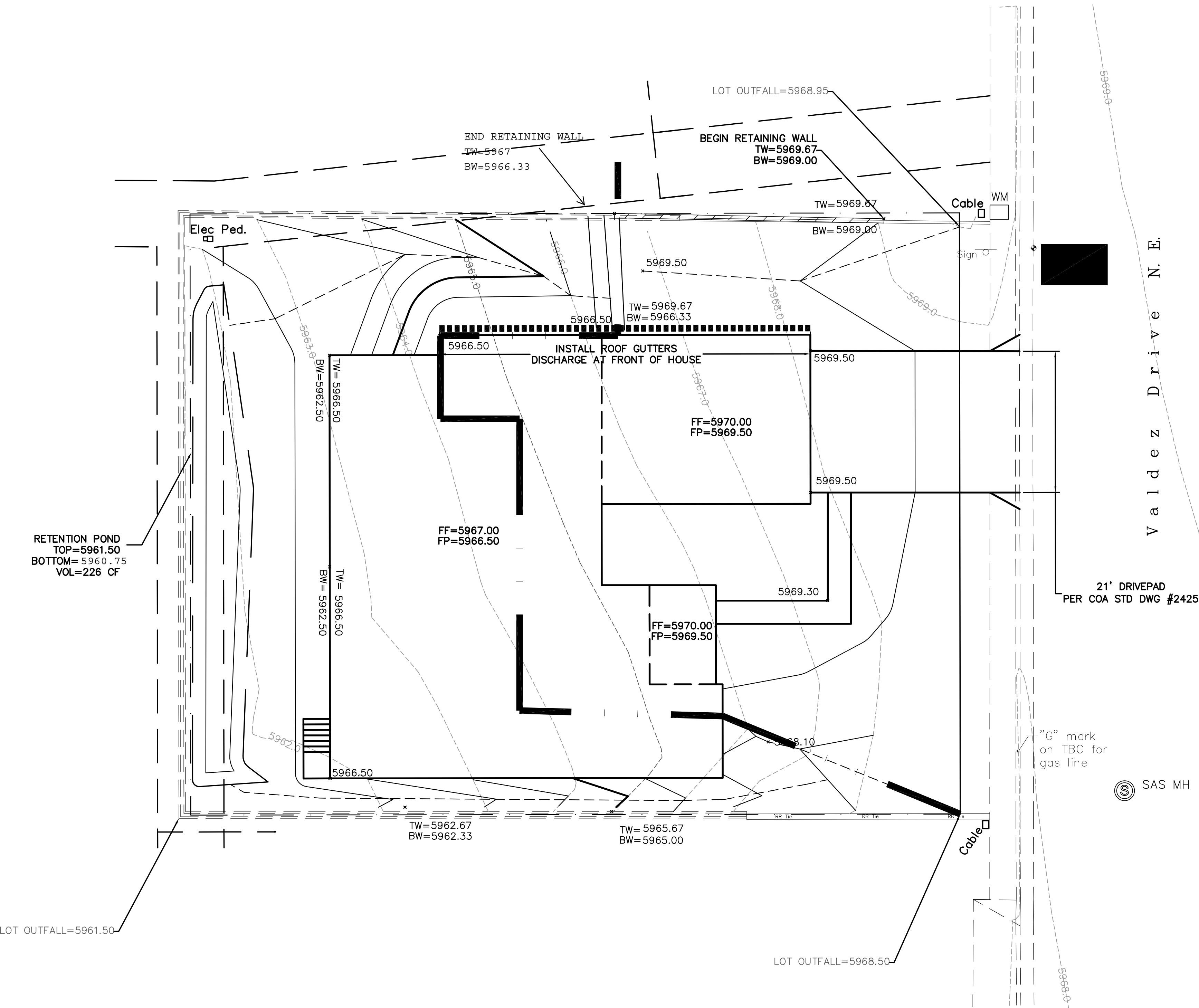
830,915 cf  
226 CF  
GENERATED 6-HOUR  
PROVIDED

DRAINAGE NARRATIVE  
THIS SITE IS A DEVELOPED LOT WITHIN A FULLY DEVELOPED RESIDENTIAL SUBDIVISION. THE ARE WAS NOT MASS GRADED UPON INITIAL DEVELOPMENT. THE SURROU LOT HAS CROSS LOT DRAINAGE. THIS SITE IS NOT IMPACTED BY UPLAND FLOWS. DUE TO THE SLOPE OF THE LOT THE SITE IS DESIGNED TO DISCHARGE THE FRONT TO THE PUBLIC RIGHT OF WAY. (.57 CFS). THE REAR PORTION WILL RETAIN AS MUCH AS PRACTICAL AND THEN DISCHARGE AT 0.52 CF, WHICH IS LESS THAN THE 0.58 CF CURRENTLY LEAVING SITE TO REAR

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 10/27/21 PAD HAS TWO LEVELS, THE LOWER PAD HAS BEEN ESTABLISHED TO BUILD RETAINING WALLS, TOP PAD CUT BACK TO ALLOW FOR BACKFILL OF WALL



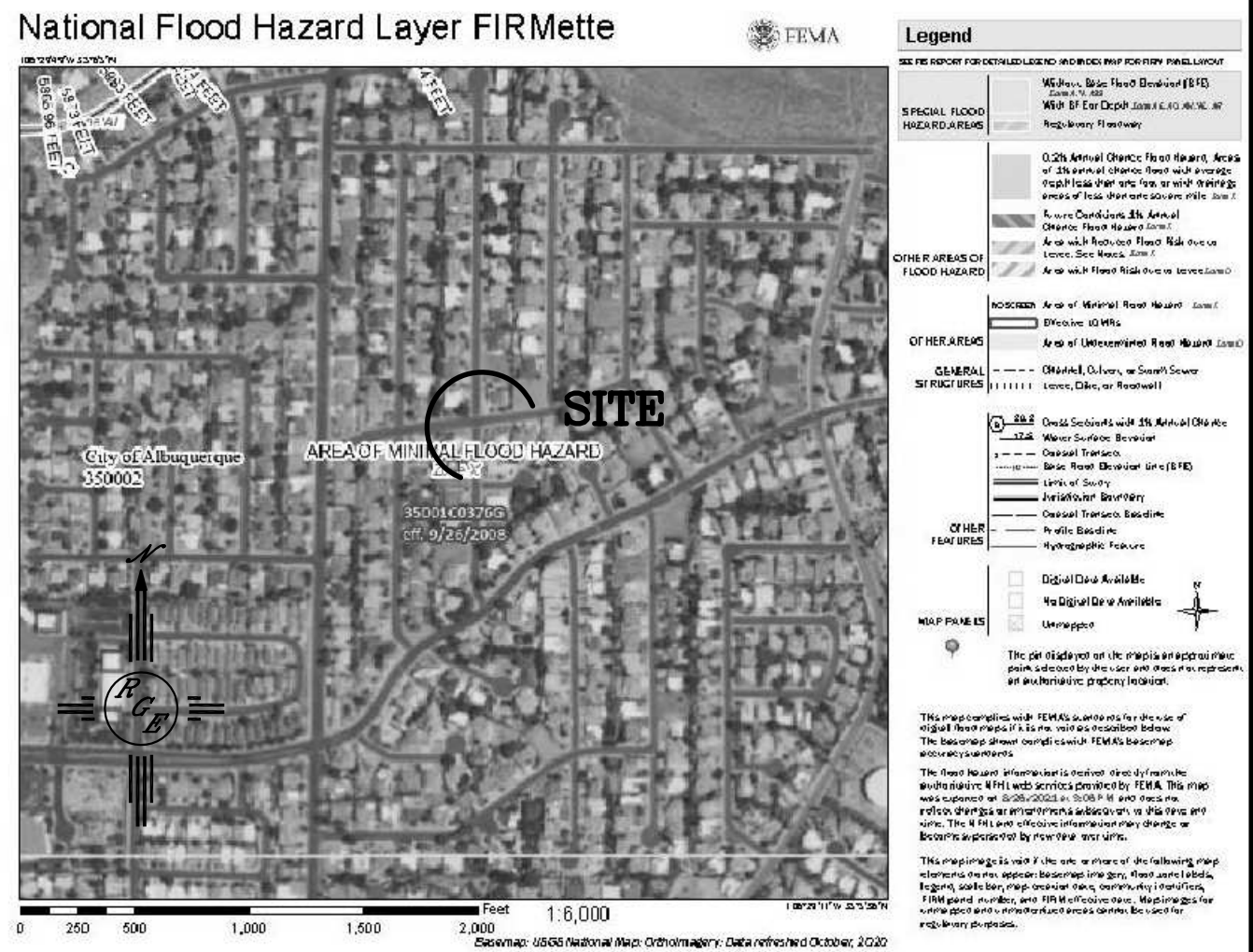
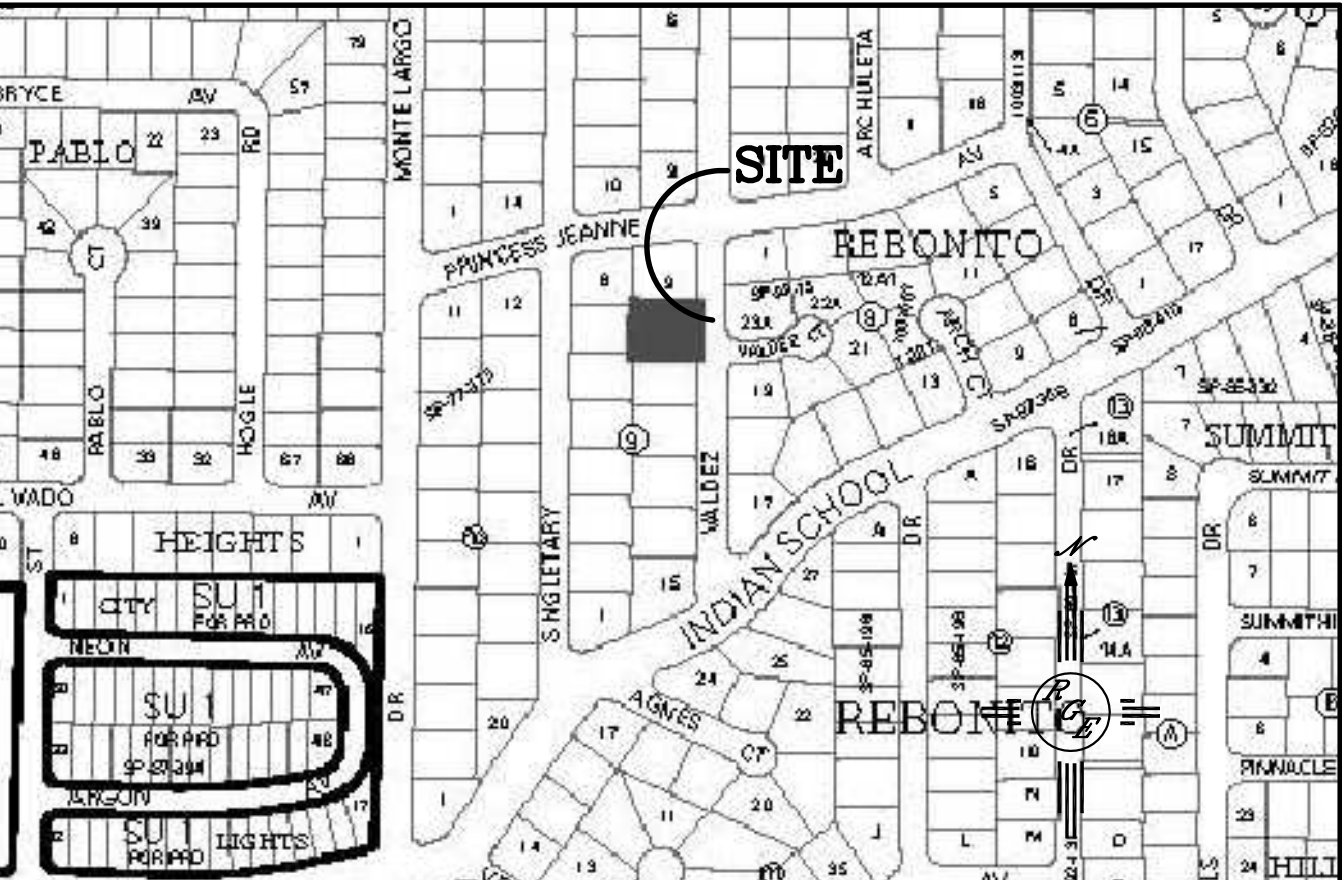
12/30/21



EARTHEN SWALE DETAIL  
NTS

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.



LEGAL DESCRIPTION:

Lot 10, Block 9, of REBONITO SUBD.

NOTES:

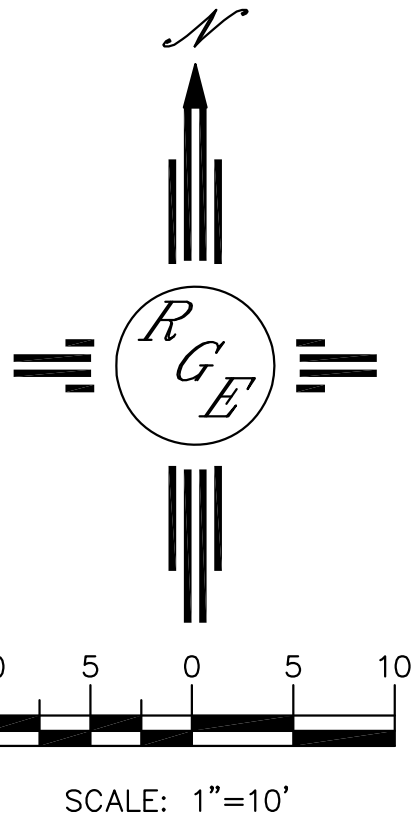
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. NO PONDING WITHIN 10' OF STRUCTURE.

LEGEND

XXXX	EXISTING CONTOUR
XXXX	EXISTING INDEX CONTOUR
XXXX	PROPOSED CONTOUR
XXXX	PROPOSED INDEX CONTOUR
▶	SLOPE TIE
+ XXXX	EXISTING SPOT ELEVATION
+ XXXX	PROPOSED SPOT ELEVATION
---	LOT LINE
---	CENTERLINE
---	RIGHT-OF-WAY
---	PROPOSED 4" PVC SD
---	GRAVEL LINED SWALE
---	EXISTING CURB AND GUTTER
---	PROPOSED CMU SCREEN WALL-DESIGN BY OTHERS
---	DRAINAGEBASIN LINE

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  10/27/21 DAVID SOULE P.E. #14522	1625 VALDEZ	DRAWN BY: WCVJ
	GRADING AND DRAINAGE PLAN	DATE: 8-06-21
 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-5999		210210082-LAYOUT-8-27-21
		SHEET #
		JOB # 21021082