

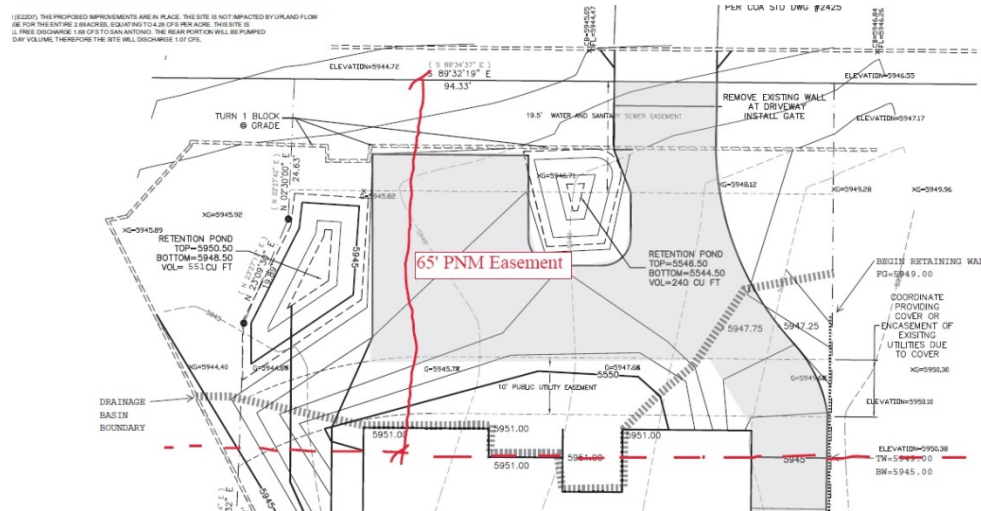
*Mayor Timothy M. Keller*

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



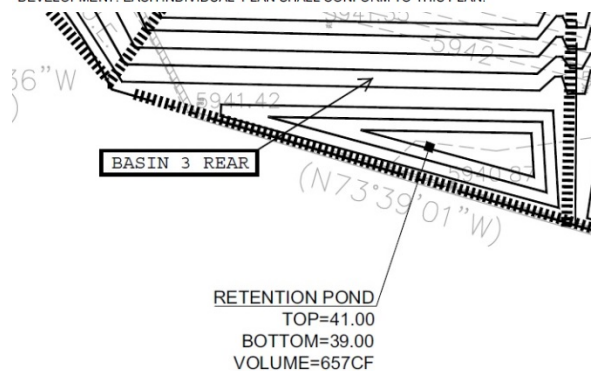
Mayor Timothy M. Keller



- Per the approval letter for Prichard Subdivision dated December 17, 2018 (Attached), Hydrology will need written permission from PNM for any grading within their 65 feet Easement.
- Also according the approved Conceptual Grading & Drainage Plan for Prichard Subdivision (E22D007H), a retention pond is required to hold the 100yr-6hr storm. (See Below) Therefore this lot needs a retention pond volume of 657 CF.

## DRAINAGE NARRATIVE

THIS SITE IS A PREVIOUSLY APPROVED SUBDIVISION. THE PROPOSED IMPROVEMENTS ARE LESS INTENSE THAT THE PREVIOUSLY APPROVED PLAN BASED UPON DISCUSSION WITH CITY HYDROLOGY THE SITE SHALL DIRECT ALL BUILDING ROOF DRAINAGE AND FRON AND SIDE YARDS TO SAN ANTONIO. THE REAR YARD SHALL RETAIN THE ENTIRE 100-YEAR, 6-HOUR VOLUME GENERATED. DUE TO THE NATURE OF THE LOTS EACH LOT WILL SUBMIT A SITE SPECIFIC GRADING PLAN AT TIME C DEVELOPMENT. EACH INDIVIDUAL PLAN SHALL CONFORM TO THIS PLAN.



- The proposed drainage narrative provided violated this previous approved Conceptual Grading & Drainage Plan for Prichard Subdivision. (See Below) Therefore this will have to conform with this plan.

## DRAINAGE NARRATIVE

THIS SITE IS THE LAST THIS SITE IS A PREVIOUSLY APPROVED SUBDIVISION (E22D7). THE PROPOSED IMPROVEMENTS ARE IN PLACE. THE SITE IS NOT IMPACTED BY UPLAND FLOW BY BHII (E22-0007G). THE APPROVED REPORT PROPOSED 11.47 CFS DISCHARGE FOR THE ENTIRE 2.69 ACRES, EQUATING TO 4.26 CFS PER ACRE. THIS SITE IS .340 ACRES THEREFORE CAN DISCHARGE 1.44 CFS. THE DEVELOPMENT WILL FREE DISCHARGE 1.68 CFS TO SAN ANTONIO. THE REAR PORTION WILL BE PUMPED TO A POND IN THE FRONT. THE POND IS SIZED TO RETAIN THE 100-YEAR 10 DAY VOLUME, THEREFORE THE SITE WILL DISCHARGE 1.07 CFS.

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)

# CITY OF ALBUQUERQUE

*Planning Department*  
Brennon Williams, Director



*Mayor Timothy M. Keller*

Standard review fee of \$75 will be required at the time of resubmittal.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

*Renée C. Brissette*

Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department

PO Box 1293

Albuquerque

NM 87103

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# City of Albuquerque

Planning Department  
Development & Building Services Division

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

**Project Title:** 11906 SAN ANTONIO **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT C-2-A-1 SAUVIGNON SUBDIVISION  
**City Address:** 11906 SAN ANTONIO

**Applicant:** MR. BARNESLEY **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

Proposed Developed Basins											100-Year, 6-hr.					10-day	
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)			
			%	(acres)	%	(acres)	%	(acres)	%	(acres)							
TOTAL SITE EXISTING	14802	0.340	0%	0.0000	30.0%	0.0581	70.0%	0.1798	0.0%	0.0000	0.957	0.027	0.84	0.027			
PROPOSED REAR	4982	0.114	0%	0.0000	37.0%	0.0423	63.0%	0.0721	0.0%	0.0000	1.319	0.013	0.39	0.013			
PROPOSED FRONT	9820	0.225	0%	0.0000	7.0%	0.0158	21.0%	0.0473	72.0%	0.1623	2.283	0.043	1.07	0.065			
TOTAL SITE PROPOSE	14802.00													1.47			

Equations:

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

Volume = Weighted D \* Total Area

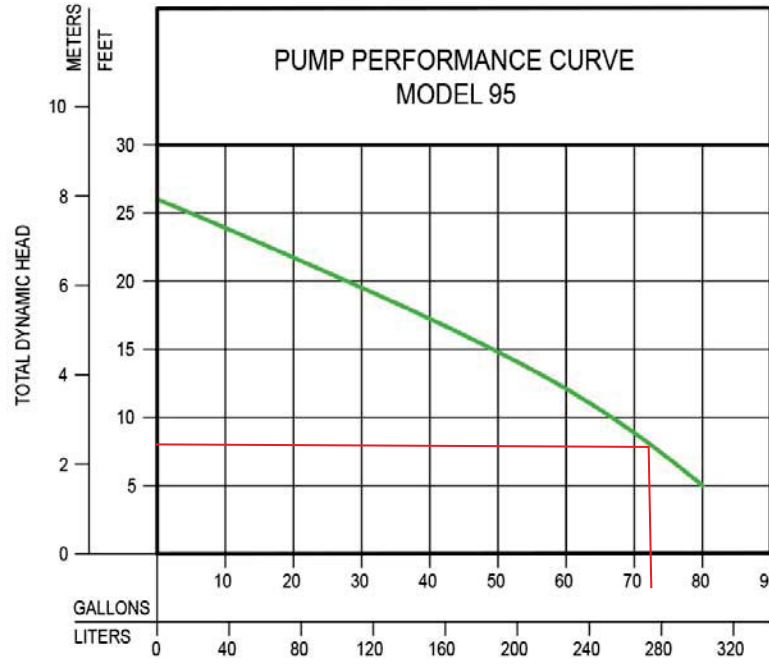
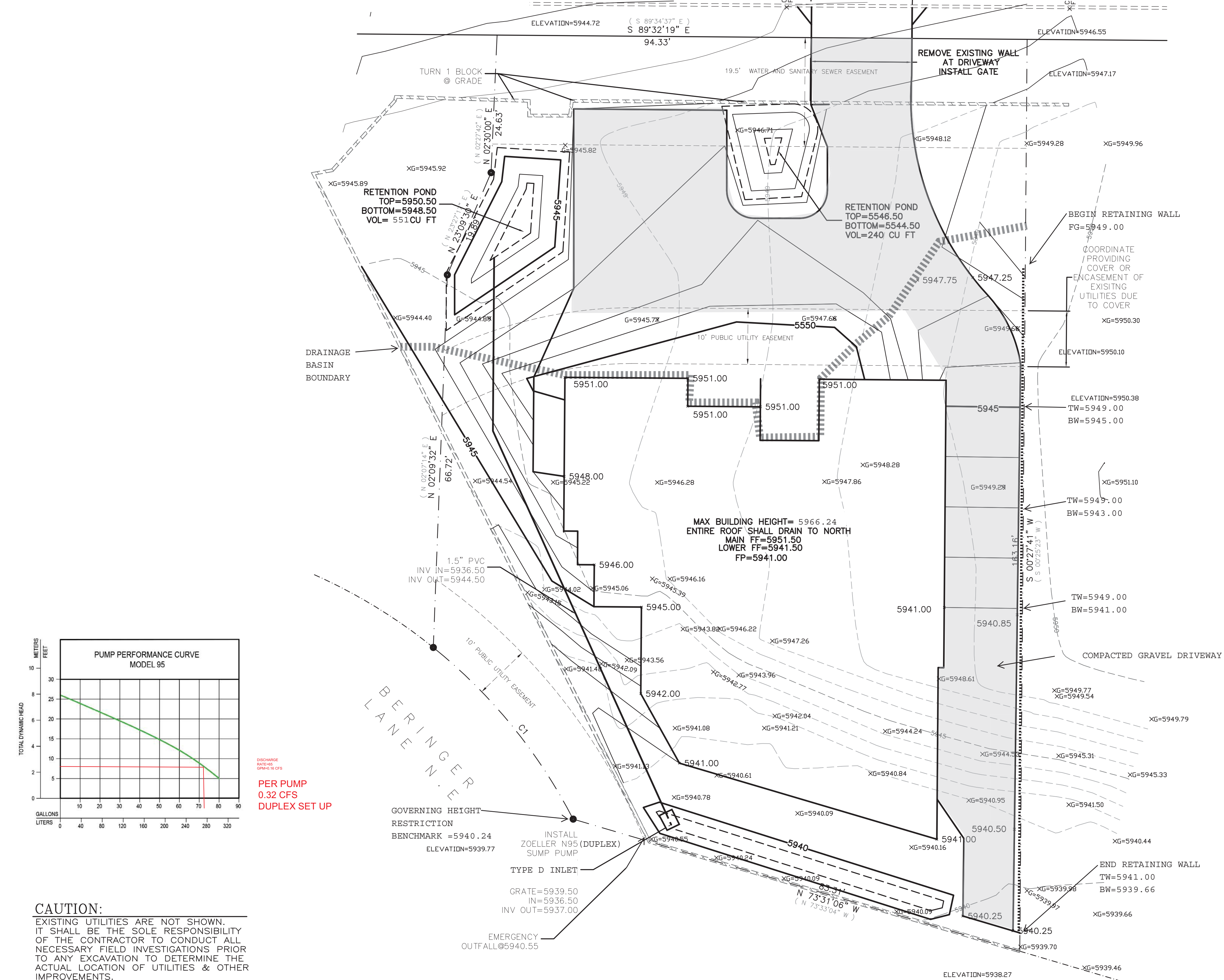
Flow = Qa \* *Aa* + Qb \* *Ab* + Qc \* *Ac* + Qd \* *Ad*

Where for 100-year, 6-hour storm

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

Developed Conditions	PROPOSED
FREE DISCHARGE TO SAN ANTONIO	1.07 cfs
Basin Pumped to San Antonio	0.39 cfs
	546.5134 cf

DRAINAGE NARRATIVE  
THIS SITE IS THE LAST THIS SITE IS A PREVIOUSLY APPROVED SUBDIVISION (E2207). THE PROPOSED IMPROVEMENTS ARE IN PLACE. THE SITE IS NOT IMPACTED BY UPLAND FLOW BY BH (E22-0007G). THE APPROVED REPORT PROPOSED 11.47 CFS DISCHARGE FOR THE ENTIRE 2.69 ACRES, EQUATING TO 4.26 CFS PER ACRE. THIS SITE IS .340 ACRES THEREFORE CAN DISCHARGE 1.44 CFS. THE DEVELOPMENT WILL FREE DISCHARGE 1.68 CFS TO SAN ANTONIO. THE REAR PORTION WILL BE PUMPED TO A POND IN THE FRONT. THE POND IS SIZED TO RETAIN THE 100-YEAR 10 DAY VOLUME, THEREFORE THE SITE WILL DISCHARGE 1.07 CFS.

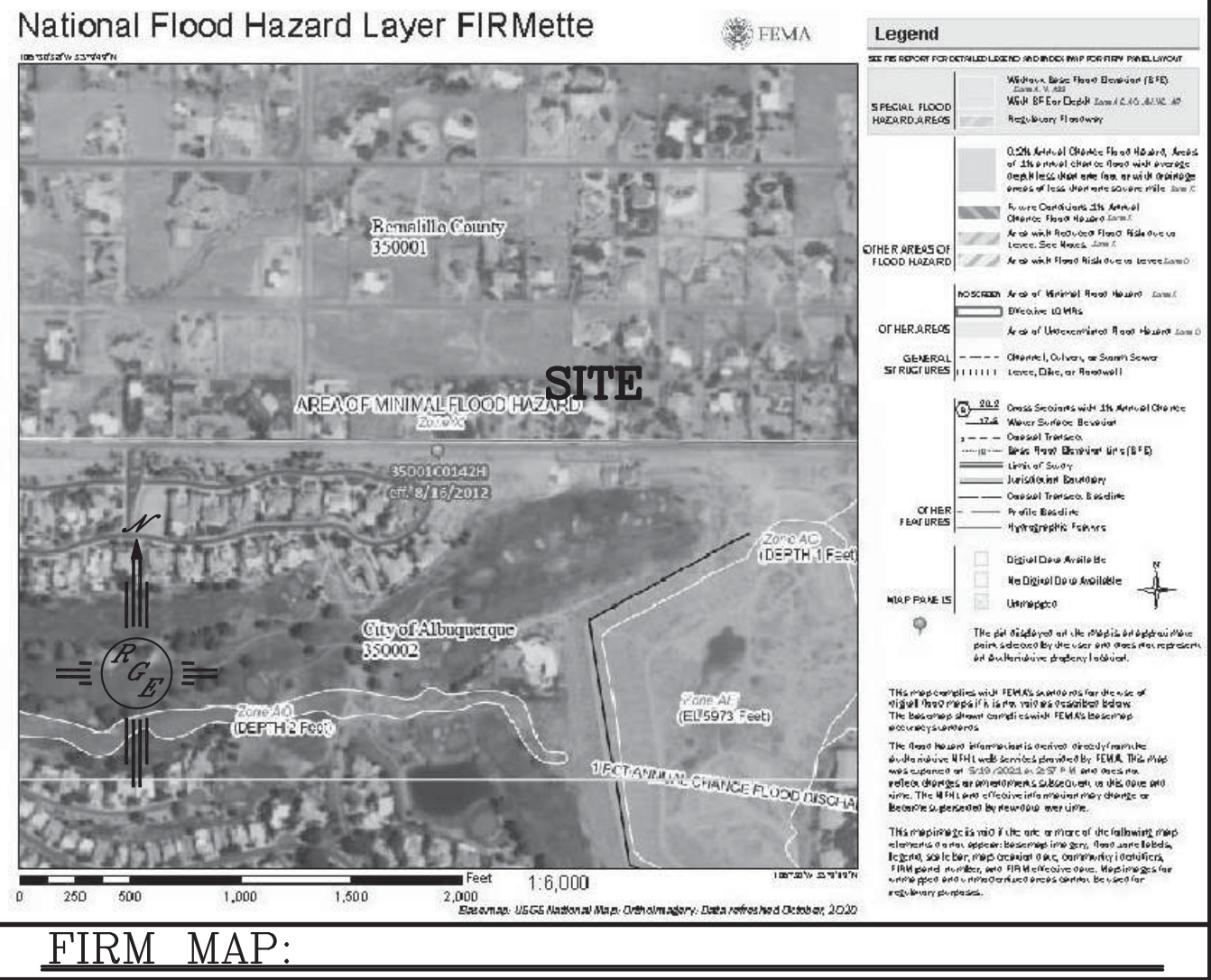
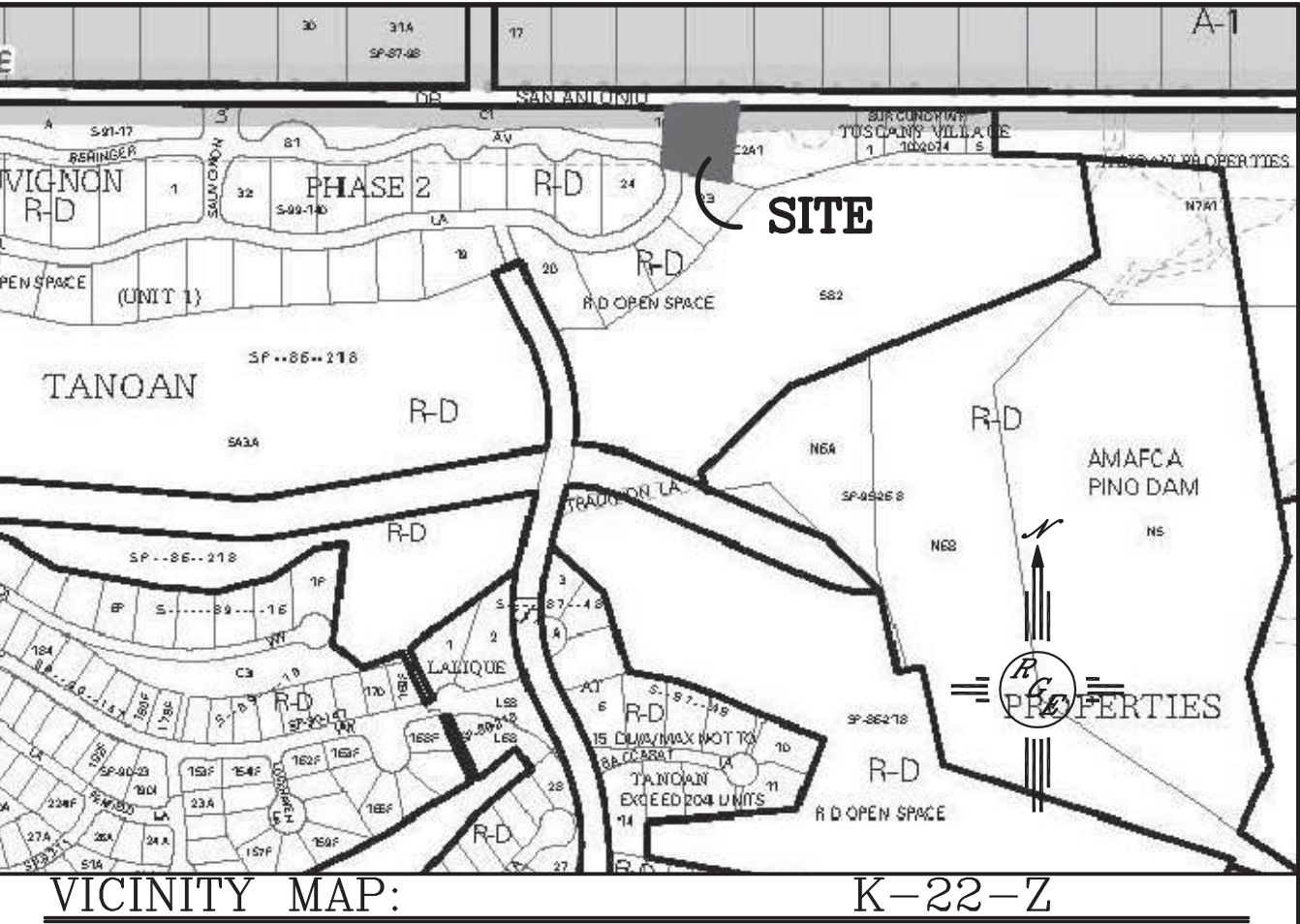


PER PUMP  
0.32 CFS  
DUPLX SET UP

**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.

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:


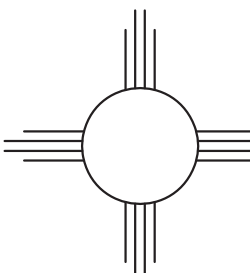
TRACT C-2-A-1-A, SAUVIGNON SUBDIVISION

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.

LEGEND

- XXXX--- EXISTING CONTOUR
- XXXX--- EXISTING INDEX CONTOUR
- XXXX--- PROPOSED CONTOUR
- XXXX--- PROPOSED INDEX CONTOUR
- XXXX--- 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

ENGINEER'S SEAL	TRACT C-2-A-1-A SAUVIGNON SUBDIVISION	DRAWN BY WCVJ
		DATE 5-21-21
	GRADING AND DRAINAGE PLAN	210210054-LAYOUT-5-20-21
	6/10/21	 <div>Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-5999</div>
DAVID SOULE P.E. #14522	JOB # 21021054	