

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

January 9, 2023

David Soule, P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

RE: 11906 San Antonio Dr. NE - Barnsley Residence
Grading & Drainage Plan
Engineer's Stamp Date: 07/09/21
Engineer's Certification Date: 01/04/23
Hydrology File: E22D007H2

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 01/06/2023, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 11906 San Antonio Dr. NE. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (G): Engineer's Certification Checklist for Subdivision and Part 6-14 (H): Required Certification Language is required.

www.cabq.gov

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

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



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:

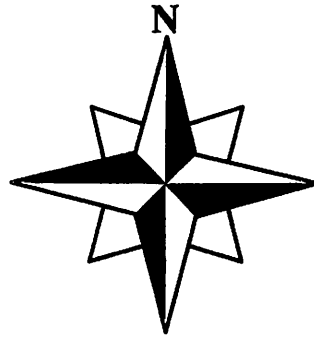
☒ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY
_____ PRELIMINARY PLAT APPROVAL
_____ SITE PLAN FOR SUB'D APPROVAL
_____ SITE PLAN FOR BLDG. PERMIT APPROVAL
_____ FINAL PLAT APPROVAL
_____ SIA/ RELEASE OF FINANCIAL GUARANTEE
_____ FOUNDATION PERMIT APPROVAL
_____ GRADING PERMIT APPROVAL
_____ 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: _____



HARRIS SURVEYING

***1308 Cielo Vista Del Sur N.W.
Corrales, NM 87048
Phone (505) 889-8056***

December 14, 2022

**To: David Soule
Rio Grande Engineering**

Re: Pad Certification for: Dan Barnsley Site on San Antonio

Dear: Mr. Soule

Below are the results of Harris Surveying Inc. field verifying the Finished Pad Elevation for the Basement for: The Dan Barnsley Site.

The Elevation based on the Grading and Drainage plan is: 5941.50 feet and the measured elevation is: 5141.30 feet.

If there are any questions, please contact me at my office.

Sincerely,

**Anthony Harris
Harris Surveying Inc.
NMPS No. 11463**

Proposed Developed Basins

[illegible]

Equations:

$$\text{Weighted E} = \text{Ea} \cdot \text{Aa} + \text{Eb} \cdot \text{Ab} + \text{Ec} \cdot \text{Ac} + \text{Ed} \cdot \text{Ad} / (\text{Total Area})$$

$$\text{Volume} = \text{Weighted D} * \text{Total Area}$$

$$\text{Flow} = Q_a * A_a + Q_b * A_b + Q_c * A_c + Q_d * A_d$$

Where for 100-year, 6-hour storm

$E_a = 0.8$

$Q_a = 2.2$

$E_b = 1.08$

$$Q_b = 2.92$$

Ec= 1.46
Ed= 2.64

$$Q_c = 3.73$$

Developed Conditions

PROPOSED

GENERATED	RETAINED
1	1
2	2
3	3
4	4
5	5
6	6
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100	100

RETAINED

DRAINAGE NARRATIVE
THIS SITE IS A PREVIOUSLY APPROVED SUBDIVISION (E227). THE PROPOSED IMPROVEMENTS ARE IN PLACE. THE SITE IS NOT IMPACTED BY UPLAND FLOW AS SHOWN IN APPROVED CONCEPTUAL GRADGIN PLAN THIS SITE SHALL DISCHARGE 1.05 CFS TO SAN ANTONIO AND RETAIN THE REMAINING SHALL BE RETAINED. THE DRAINAGE PLAN CALLS FOR PUMPING OF THE REAR PORTION TO A FRONT BONT. THE REAR AND FRONT POND HOLD 773 CF, WHICH EXCEEDS REQUIRED STORAGE OF 673 CF. THE FRONT POND, WHICH IS 12 CFS GREATER THAN CALLED FOR IN THE SUBDIVISION CONCEPTUAL PLAN, WE FEEL, THIS IS A DEMINIMUM OVERAGE AND WILL NOT HAVE IMPACT. THE EXCESS VOLUME IN THE POND WILL CAPTURE SOME OF THE FRONT BASIN WATER, EFFECTIVELY REDUCING DISCHARGE TO LESS THAN ALLOWED.

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 7/9/21



1/4/23

EROSION CONTROL NOTES:

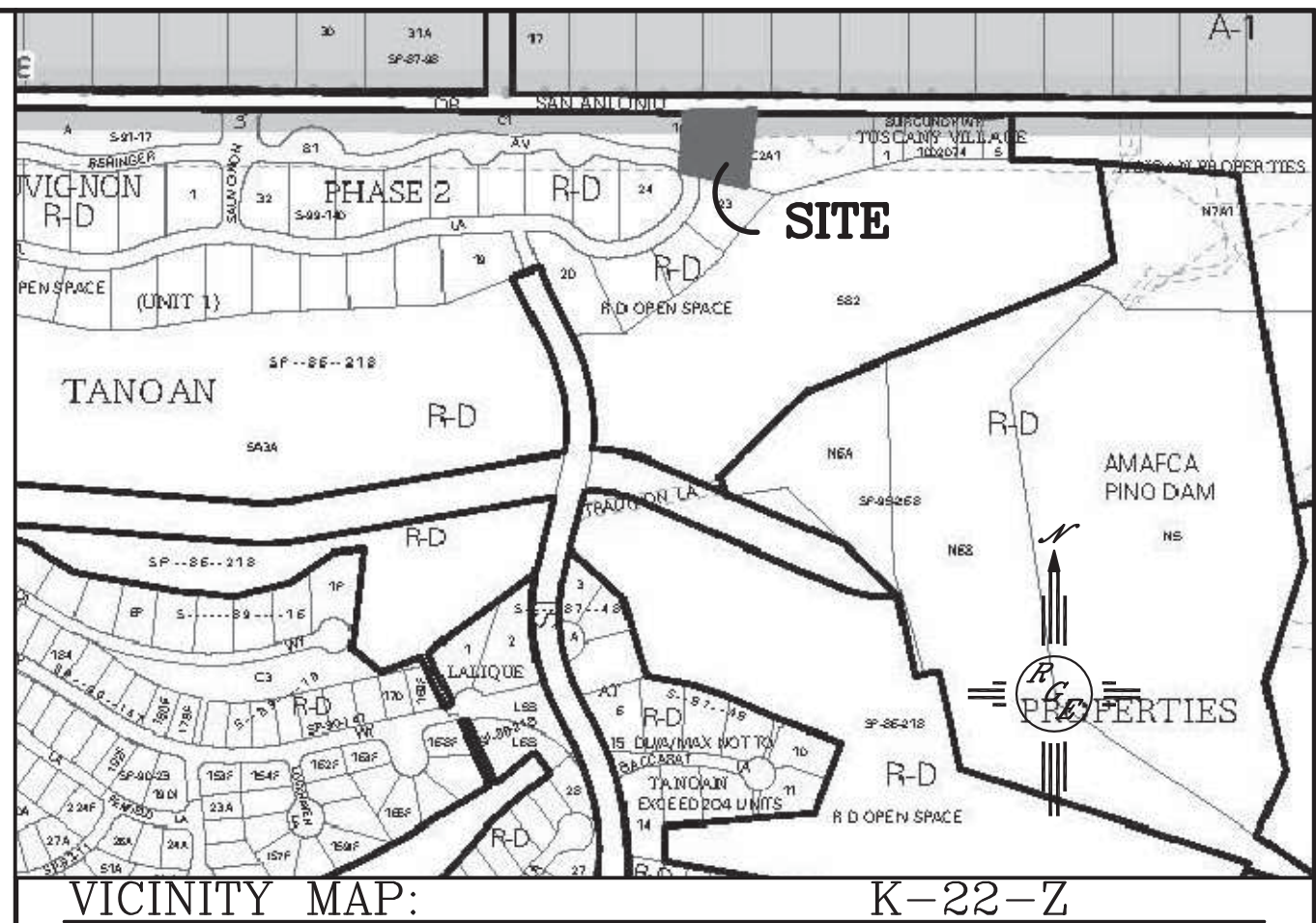
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

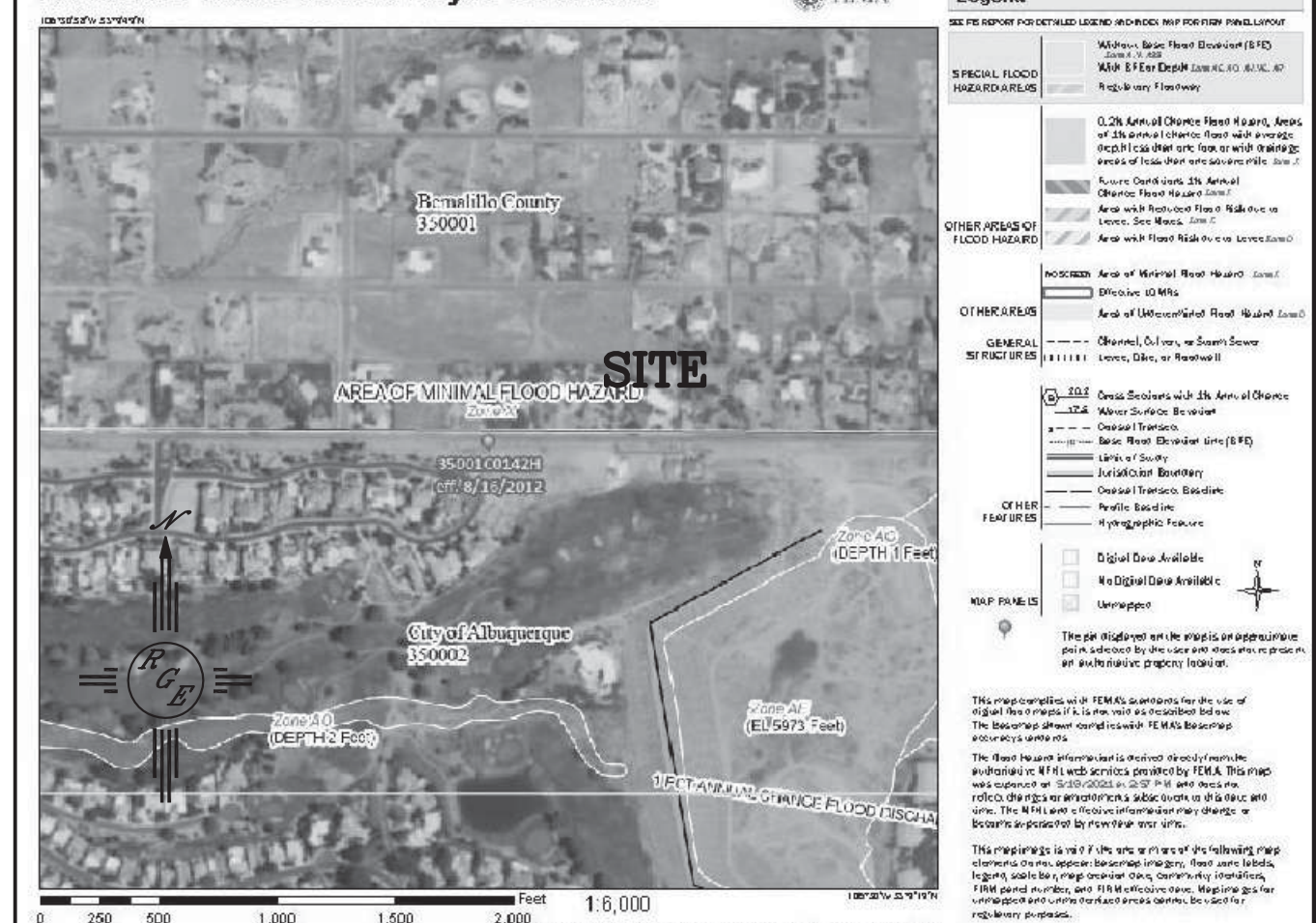
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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.



National Flood Hazard Layer FIR Mette



FIRM MAP:

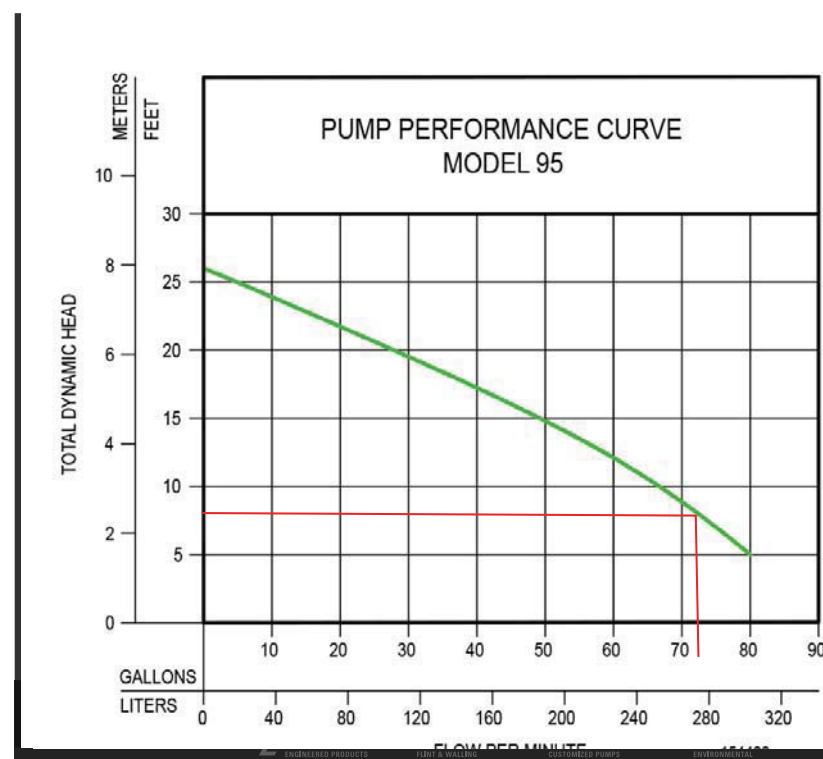
LEGAL DESCRIPTION:

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

NOTES:

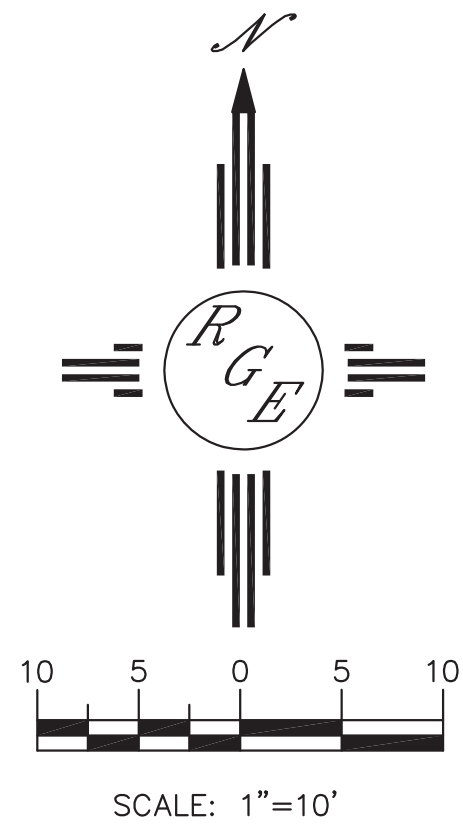
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.

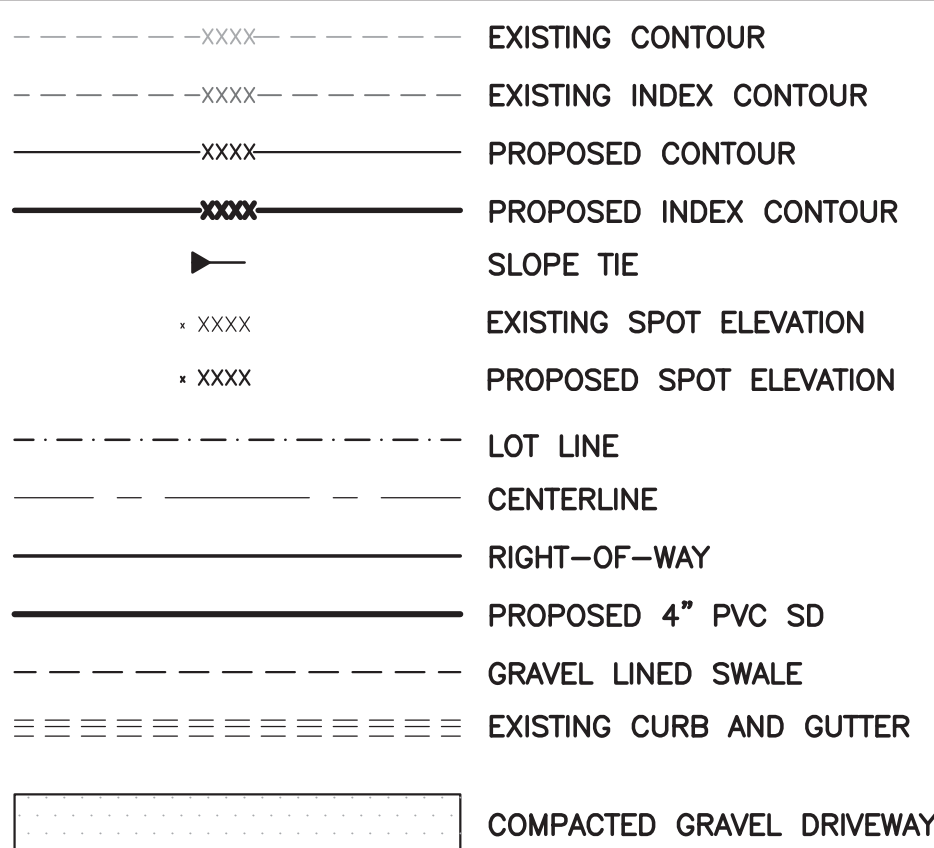




CAUTION:

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.



LEGEND



<p>ENGINEER'S SEAL</p>	<p>TRACT C-2-A-1-A SAUVIGNON SUBDIVISION</p>	<p>DRAWN BY WCW/J</p>
	<p>GRADING AND DRAINAGE PLAN</p>	<p>DATE 5-21-21</p>
<p>7/9/21</p>		<p>210210054-LAYOUT-5-20-21</p>
<p>DAVID SOULE P.E. #14522</p>	<p><i>Rio Grande Engineering</i></p> <p>1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0889</p>	<p>SHEET # —</p>
		<p>JOB # 21021054</p>