## CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

October 7, 2022

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

RE: 13615 Covered Wagon Ave SE Grading and Drainage Plan Engineer's Stamp Date: 09/28/22 Hydrology File: L23D014K

Dear Mr. Soule:

PO Box 1293 Based upon the information provided in your submittal received 09/29/2022, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this site is relatively flat and grades to the road, a pad certification is not needed for this project. 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 (F): Engineer's Certification Checklist For Non-Subdivision is required.

www.cabq.gov

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

Sincerely,

Renée C. Brissette

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

City	of Albu	querque	;	
	Planning Depa	rtment		
Developm	ent & Building	Services Division	on	
DRAINAGE AND	TRANSPORTA	TION INFORM	ATION SHEET (REV 6/2018)	
Project Title: 13615 COVERED WAGON	Building Permit	#:	Hydrology File #:	_
DRB#:	EPC#:		Work Order#:	_
Legal Description: LOT 13 COVERED	WAGON SUBE	IVISION		_
City Address: 13615 COVERED WAG	)N			_
Applicant:			Contact:	_
Address:				_
Phone#:			E-mail:	-
Other Contact: RIO GRANDE ENGINE	ERING		Contact: DAVID SOULE	_
Address: PO BOX 93924 ALB NM				-
Phone#:	Fax#: 505.872	.0999	E-mail:	neering.com
TYPE OF DEVELOPMENT: PLAT				
Check all that Apply:				
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN X JRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT A 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 _X No	PPLIC	X BUILDING CERTIFICA PRELIMINA SITE PLAN SITE PLAN FINAL PLA SIA/ RELEA GRADING I GRADING I GRADING PE GRADING/ WORK ORD CLOMR/LO FLOODPLA	ASE OF FINANCIAL GUARANTEE ON PERMIT APPROVAL PERMIT APPROVAL ROVAL ERMIT APPROVAL PAD CERTIFICATION ER APPROVAL	
DATE SUBMITTED:				
COA STAFF:		MITTAL RECEIVED:_		

Weighted E Method

							100-Year, 6-hr.			100 yr 10-day				
Basin	Area	Area	Treat	ment A	Trea	atment B	Treatr	nent C	Treat	ment D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
EXISTING	3621.00	0.083	100%	0.0831	0%	0.000	0%	0.000	0%	0.000	0.670	0.005	0.15	0.005
PROPOSED	3621.00	0.083	0%	0	18%	0.015	11%	0.009	71%	0.059	2.107	0.015	0.33	0.017

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

Volume = Weighted D \* Total Area

Equations:

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

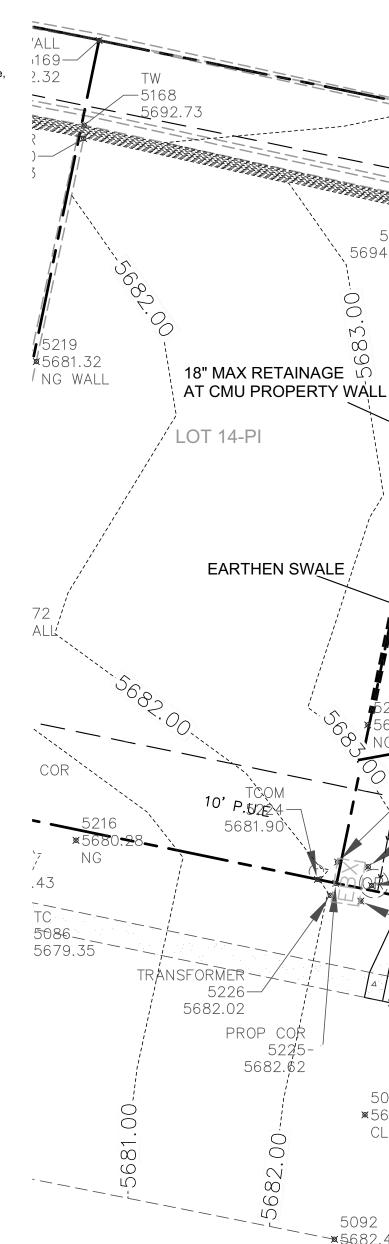
Where for 100-year, 6-hour storn	n(zone2)	
Ea= 0.67	Qa= 1.84	
Eb= 0.86	6 Qb= 2.49	
Ec= 1.09	) Qc= 3.17	
Ed= 2.58	3 Qd= 4.49	
Developed Conditons		100-YEAR,
	1005	0.45.05
EXISTING DISCH	ARGE	0.15 CF

PROPOSED DISCHARGE INCREASE

This site is the last vacant lot in an existing subdivision. The subdivision was analyzed and approved with drainage file E21-D16. The drainge file appears to be incomplete, yet all the lots free discharge. Therefore we believe this lot should be allowed to free discharge. Drainage patterns will remain as historical and drain to the adjacent roadways. No upland flows impact this site

0.33 CF

0.18 CF



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### **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:**

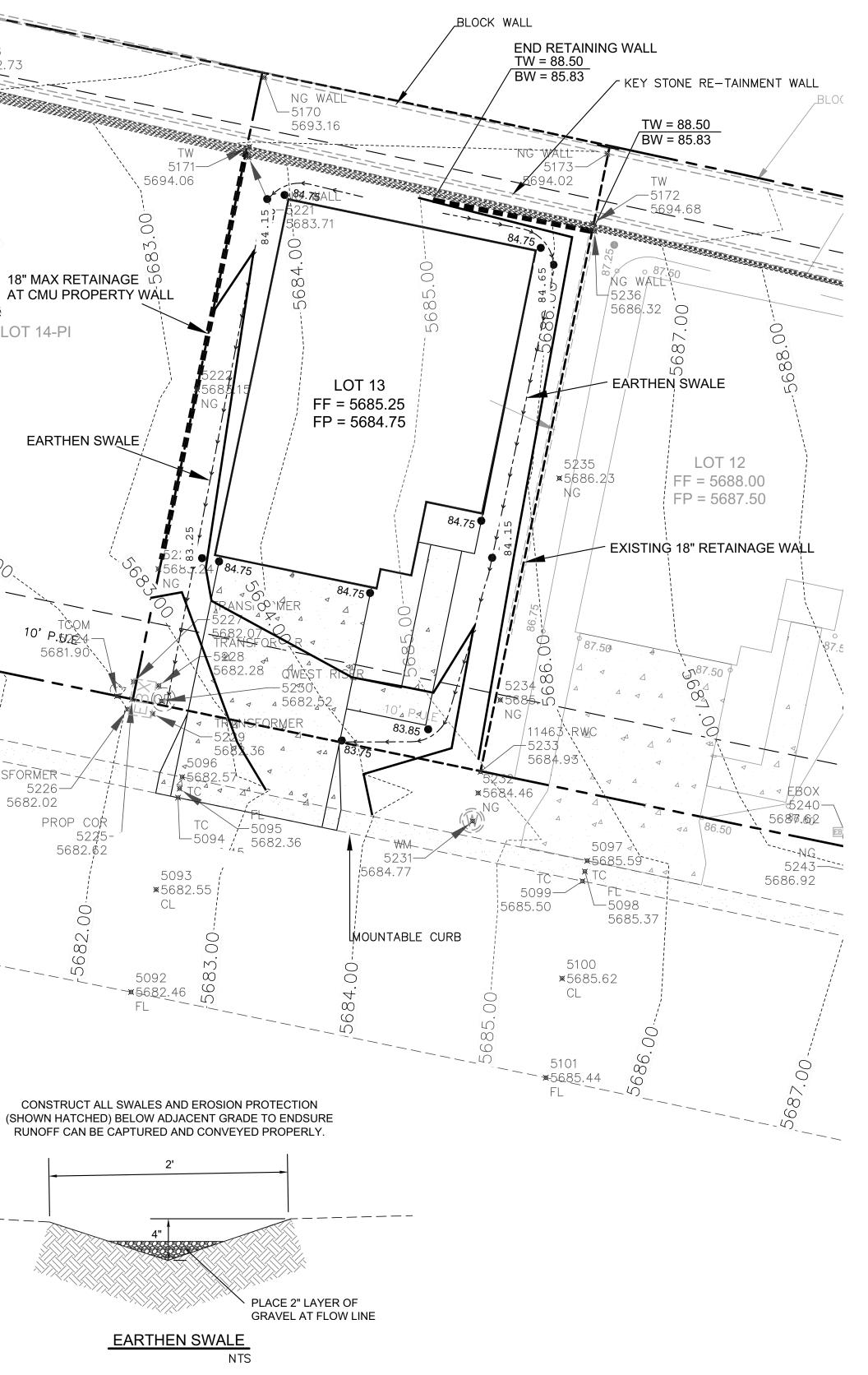
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

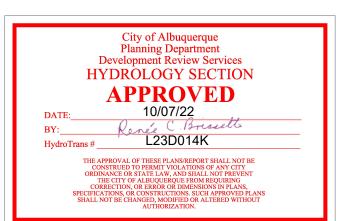
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

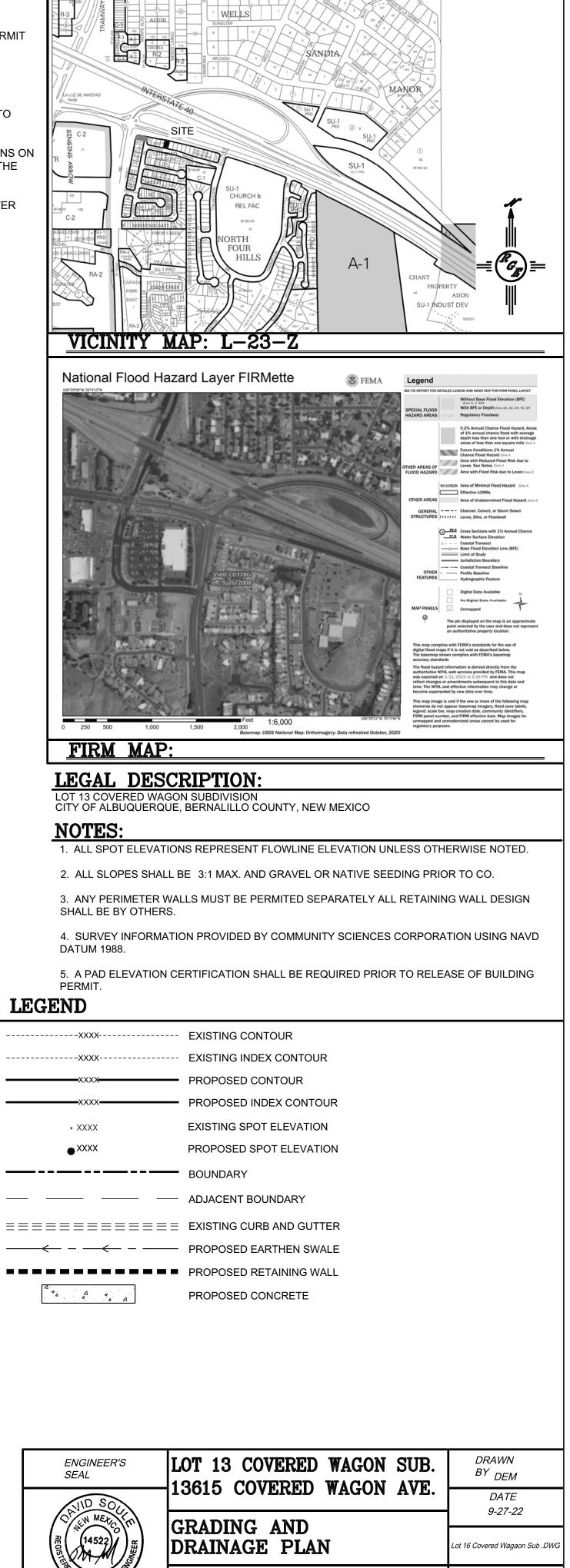
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

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.







SHEET #

JOB #

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C1

Rio Grande

Engineering

PO BOX 93924

ALBUQUERQUE, NM 87199

(505) 321-9099

9/28/22

DAVID SOULE

P.E. #14522

