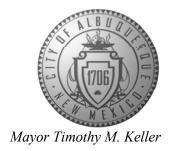
# CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



April 3, 2024

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

RE: 13605 Covered Wagon Ave SE Grading and Drainage Plan

Engineer's Stamp Date: 03/28/24

**Hydrology File: L23D014N** 

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 03/29/2024, 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 <a href="mailto:rbrissette@cabq.gov">rbrissette@cabq.gov</a> .

Sincerely,

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

Renée C. Brissette

Planning Department



# City of Albuquerque

## Planning Department

#### Development & Building Services Division

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

Project Title: 13605 COVERED V	NAGON Building Permit	#:	Hydro	ology File #:			
DRB#:	EPC#:		Work Order#:				
Legal Description: LOT 16 COV	ERED WAGON SUBD	IVISION					
City Address: 13605 COVERED	WAGON			7.			
Applicant:			_ Contact	<b>:</b>			
Address:							
Phone#:			_E-mail:				
Other Contact: RIO GRANDE EN		Contact	DAVID SOULE				
Address: PO BOX 93924 ALE	3 NM 87199						
Phone#: 505.321.9099	Fax#: 505.872.	0999	_E-mail:	david@riograndeengineering.com			
TYPE OF DEVELOPMENT:							
Check all that Apply:							
DEPARTMENT:  X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION  TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFIC PAD CERTIFICATION CONCEPTUAL G & D PLAN X GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PER ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?  IS THIS A RESUBMITTAL?: Yes	CATION  RMIT APPLIC  (TCL)  X No	TYPE OF APPROVAL/ACCEPTANCE SOUGHT:  X 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:	•	•					
COA STAFF:	ELECTRONIC SUB	MITTAL RECEIVED:		_			

FEE PAID:\_\_\_\_

#### Weighted E Method

											100-	- i eai, 0-iii		100 yr 10-0
Basin	Area	Area	Treat	eatment A Treatment B		Treati	Treatment C Treatment D		Weighted E	Volume	Flow	Volume		
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
EXISTING	3430.00	0.079	100%	0.0787	0%	0.000	0%	0.000	0%	0.000	0.760	0.005	0.16	0.0
PROPOSED	3430.00	0.079	0%	0	22%	0.017	16%	0.013	62%	0.049	2.472	0.016	0.32	0.0
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(zone2)

Ea= 0.76 Qa= 2.09 Eb= 0.95 Qb= 2.73 Ec= 1.2 Qc= 3.41

Ed= 3.34 Qd= 4.78

Developed Conditons 100-YEAR,

EXISTING DISCHARGE 0.16 CF

PROPOSED DISCHARGE 0.32 CF

INCREASE 0.16 CF

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 propose this lot should be allowed to free discharge.

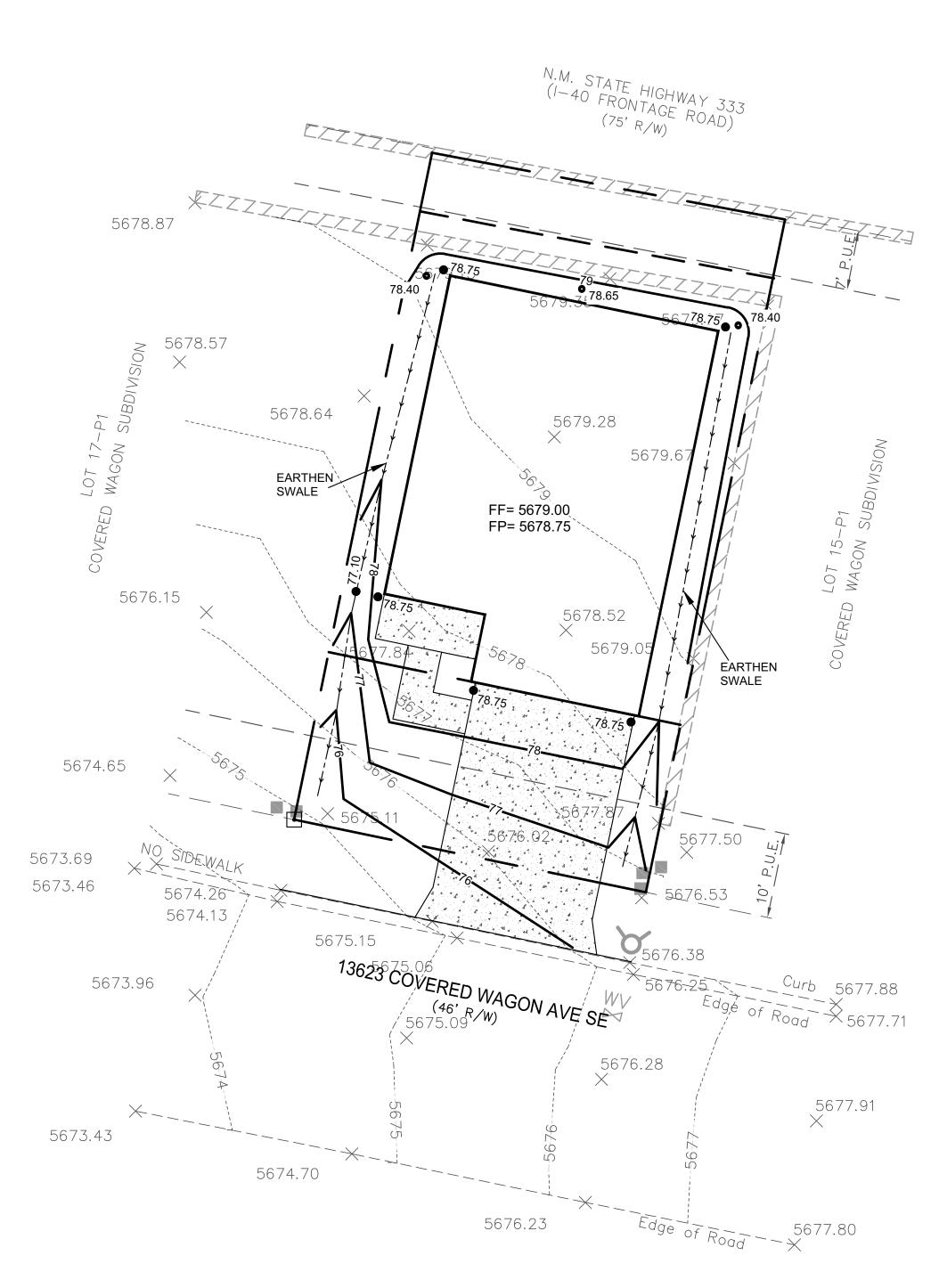
CONSTRUCT ALL SWALES AND EROSION PROTECTION

(SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.

EARTHEN SWALE

PLACE 2" LAYER OF GRAVEL AT FLOW LINE

Drainage patterns will remain as historical and drain to the adjacent roadways. No upland flows impact this site



# CAUTION:

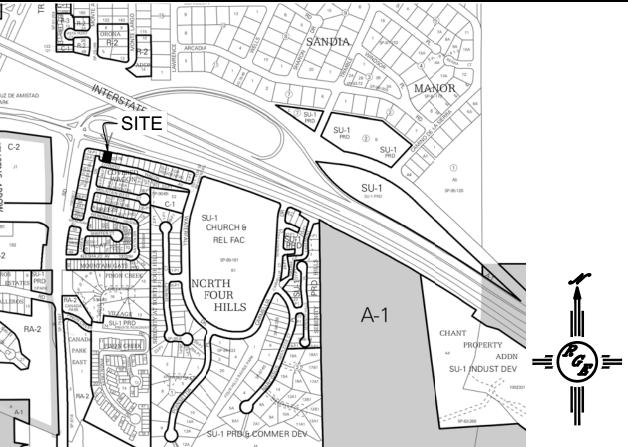
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

## **EROSION CONTROL NOTES:**

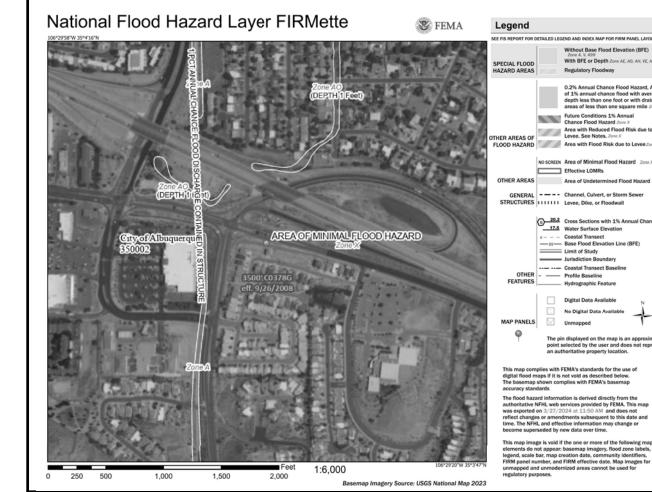
- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED 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.



APPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIRE TWO (2) YEARS AFTER THE APPROAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT



## VICINITY MAP: L-23-Z



## FIRM MAP:

## **LEGAL DESCRIPTION:**

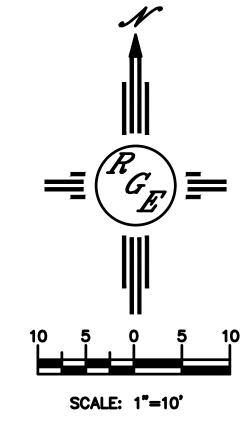
LOT 16-P1 COVERED WAGON SUBDIVISION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

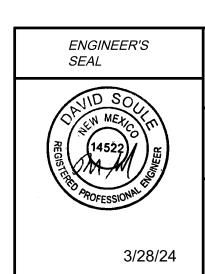
## NOTES:

- 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 PERMITED 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 CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

# **LEGEND**

XXXX	EXISTING CONTOUR
XXXX	EXISTING INDEX CONTOUR
XXXX <del>-</del>	PROPOSED CONTOUR
XXXX	PROPOSED INDEX CONTOUR
× XXXX	EXISTING SPOT ELEVATION
■ XXXX	PROPOSED SPOT ELEVATION
	BOUNDARY
	ADJACENT BOUNDARY
=========	EXISTING CURB AND GUTTER
<del></del>	PROPOSED EARTHEN SWALE
	PROPOSED CONCRETE





# LOT 16-P1 COVERED WAGON SUB. 13605 COVERED WAGON AVE. GRADING AND DRAINAGE PLAN

DRAWN

 $^{BY}$  DEM

*DATE* 3-28-24

13605 Covered Wagon Ave SE.DWG

SHEET#

JOB#

C1

Rio Grande
Engineering
PO BOX 93924
ALBUQUERQUE, NM 87199
(505) 321-9099

DAVID SOULE P.E. #14522