

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

March 16, 2020

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

**RE: 1414 Los Arboles Ave.. NW**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 02/23/20**  
**Hydrology File: G13D037**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 02/24/20, the Grading and Drainage Plan is approved for Building Permit.

Albuquerque

Once the grading is complete, a pad certification will be required prior to release of Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter and the pad certification approval letter.

NM 87103

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto: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:** 1414 los Arboles **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 28 LIVINGSTON PLACE  
**City Address:** 1414 los arboles

**Applicant:** MR. LUJAN **Contact:** \_\_\_\_\_  
**Address:** 1414 LOS ARBOLES  
**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: \_\_\_\_\_

Equations:

$$\text{Volume} = \text{Weighted D} * \text{Total Area}$$
$$\text{Flow} = Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$$

Where for 100-year, 6-hour storm(zone2)

Ea= 0.53	Qa= 1.56
Eb= 0.78	Qb= 2.28
Ec= 1.13	Qc= 3.14
Ed= 2.12	Qd= 4.7

Developed Conditions	TOTAL VOLUME
1980-1989	100%
1990-1999	100%
2000-2009	100%
2010-2019	100%
2020-2029	100%
2030-2039	100%
2040-2049	100%
2050-2059	100%
2060-2069	100%
2070-2079	100%
2080-2089	100%
2090-2099	100%
2100-2109	100%
2110-2119	100%
2120-2129	100%
2130-2139	100%
2140-2149	100%
2150-2159	100%
2160-2169	100%
2170-2179	100%
2180-2189	100%
2190-2199	100%
2200-2209	100%
2210-2219	100%
2220-2229	100%
2230-2239	100%
2240-2249	100%
2250-2259	100%
2260-2269	100%
2270-2279	100%
2280-2289	100%
2290-2299	100%
2300-2309	100%
2310-2319	100%
2320-2329	100%
2330-2339	100%
2340-2349	100%
2350-2359	100%
2360-2369	100%
2370-2379	100%
2380-2389	100%
2390-2399	100%
2400-2409	100%
2410-2419	100%
2420-2429	100%
2430-2439	100%
2440-2449	100%
2450-2459	100%
2460-2469	100%
2470-2479	100%
2480-2489	100%
2490-2499	100%
2500-2509	100%
2510-2519	100%
2520-2529	100%
2530-2539	100%
2540-2549	100%
2550-2559	100%
2560-2569	100%
2570-2579	100%
2580-2589	100%
2590-2599	100%
2600-2609	100%
2610-2619	100%
2620-2629	100%
2630-2639	100%
2640-2649	100%
2650-2659	100%
2660-2669	100%
2670-2679	100%
2680-2689	100%
2690-2699	100%
2700-2709	100%
2710-2719	100%
2720-2729	100%
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2740-2749	100%
2750-2759	100%
2760-2769	100%
2770-2779	100%
2780-2789	100%
2790-2799	100%
2800-2809	100%
2810-2819	100%
2820-2829	100%
2830-2839	100%
2840-2849	100%
2850-2859	100%
2860-2869	100%
2870-2879	100%
2880-2889	100%
2890-2899	100%
2900-2909	100%
2910-2919	100%
2920-2929	100%
2930-2939	100%
2940-2949	100%
2950-2959	100%
2960-2969	100%
2970-2979	100%
2980-2989	100%
2990-2999	100%
3000-3009	100%
3010-3019	100%
3020-3029	100%
3030-3039	100%
3040-3049	100%
3050-3059	100%
3060-3069	100%
3070-3079	100%
3080-3089	100%
3090-3099	100%
3100-3109	100%
3110-3119	100%
3120-3129	100%
3130-3139	100%
3140-3149	100%
3150-3159	100%
3160-3169	100%
3170-3179	100%
3180-3189	100%
3190-3199	100%
3200-3209	100%
3210-3219	100%
3220-3229	100%
3230-3239	100%
3240-3249	100%
3250-3259	100%
3260-3269	100%
3270-3279	100%
3280-3289	100%
3290-3299	100%
3300-3309	100%
3310-3319	100%
3320-3329	100%
3330-3339	100%
3340-3349	100%
3350-3359	100%
3360-3369	100%
3370-3379	100%
3380-3389	100%
3390-3399	100%
3400-3409	100%
3410-3419	100%
3420-3429	100%

HISTORICAL GENERATION	3455.85 CF
PROPOSED GENERATION	3685.99 CF
RETENTION PROVIDED	4769 CF

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.

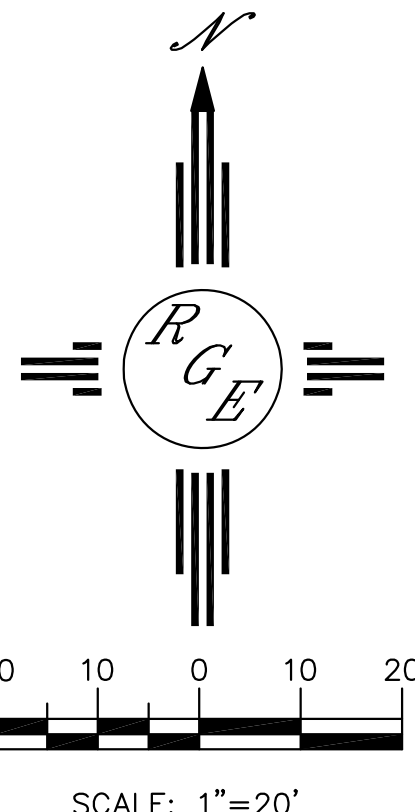
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.





LOT 2-P1, COVERED WAGON

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.



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	1414 LOS ARBOLES	DRAWN BY WCVJ
		DATE 2-23-20
	GRADING AND DRAINAGE PLAN	2102015-LAYOUT-2-23-20
2/23/20	 <div> <i>Rio Grande Engineering</i>  1606 CENTRAL AVENUE SE  SUITE 201  ALBUQUERQUE, NM 87106  (505) 872-0899 </div>	SHEET #  —
DAVID SOULE P.E. #14522		JOB # 2102015