

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

December 6, 2023

Jeffrey T. Wooten, P.E.
Wooten Engineering
PO Box 15814
Rio Rancho, NM 87174

**RE: Route 66 Lofts
7600 Central Ave SW
Grading and Drainage Plan
Engineer's Stamp Date: 11/17/23
Hydrology File: K10D065**

Dear Mr. Wooten:

Based upon the information provided in your submittal received 11/23/2023, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PRIOR TO CERTIFICATE OF OCCUPANCY:

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
2. Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for **\$25.00** made out to "**Bernalillo County**" for the stormwater quality ponds per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

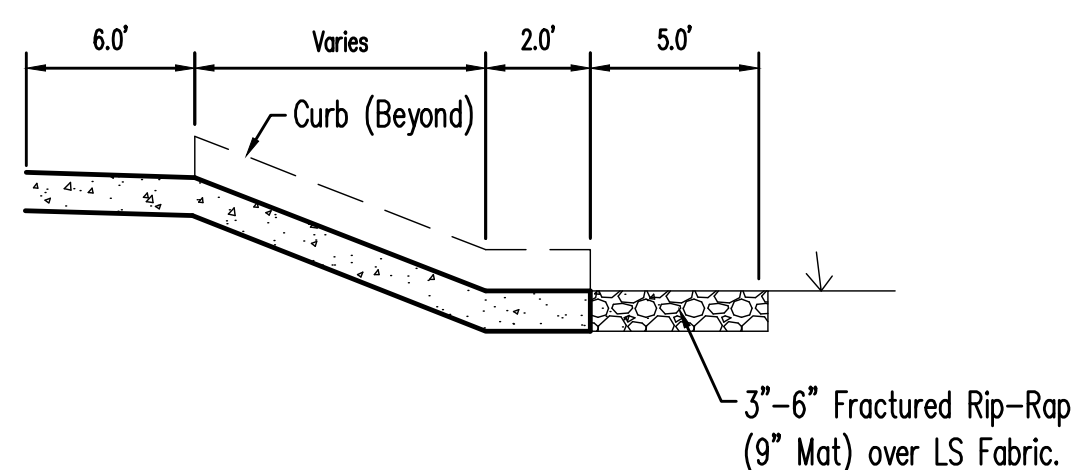
If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

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



THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



Typical Flume Cross Section

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

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, CITY, STATE, AND FEDERAL SPECIFICATIONS, AND BY THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTIES. EROSION CONTROL SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL EXCESS MATERIAL SHALL BE TRANSPORTED TO THE BORROW SITE AND HAIL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
8. PAVING AND ROADWAY GRADES SHALL BE $\pm 0.05'$ FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE $\pm 0.05'$ FROM BUILDING PLAN ELEVATION.
9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS. THE GRADING AREA MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.
10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION (IF APPLICABLE) PRIOR TO BEGINNING CONSTRUCTION.
11. THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EIA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.

PROPOSED SITE CONDITIONS
TOTAL SITE AREA: 91,995 SF
PERVIOUS AREA: 39,379 SF (42.80%)
IMPERVIOUS AREA: 52,616 SF (57.20%)

TOTAL IMPERVIOUS AREA = 52,616 SF
SWQ VOLUME REQ'D = $52,616 \times 0.42'' / 12 = 1,842 \text{ CF}$
TOTAL VOLUME PROVIDED = 23,570 CF

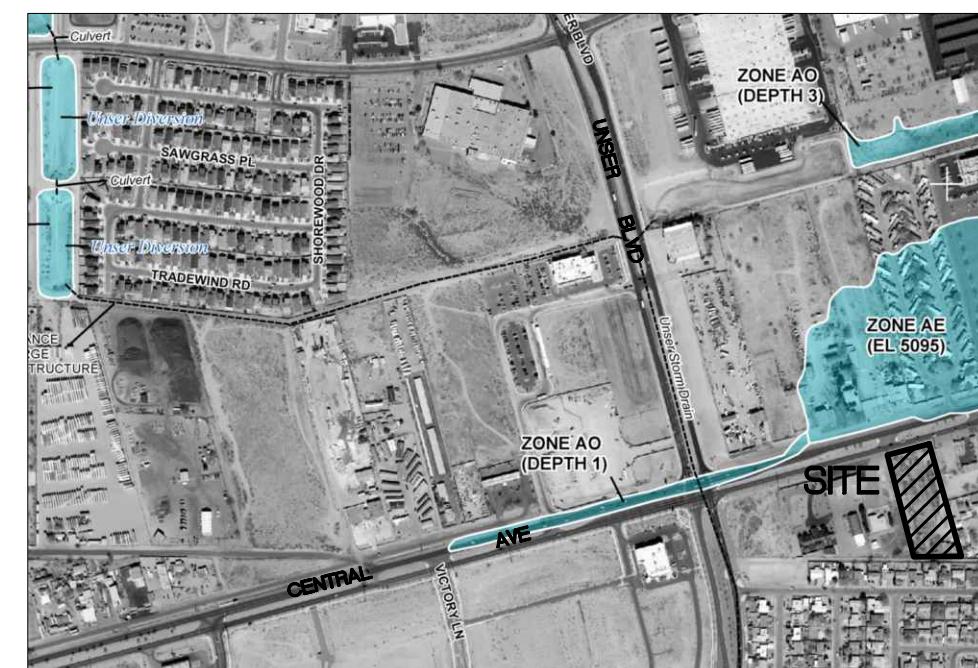
Elevation (ft)	Area (sq.ft)	Volume (cu-ft)	Volume Sum (cu-ft)
5085.0	1920	0.0	0.0
5086.0	2934	2427.0	2427.0
5087.0	4006	3470.0	5897.0
5088.0	5136	4571.0	10468.0
5089.0	6322	5729.0	16197.0
5090.0	8424	7373.0	23570.0

**SOIL PERCOLATION DATA

PER PERCOLATION TESTS CONDUCTED BY GEO-TEST, INC. (PATRICK WHORTON, PE), THE SOILS AT THE SOUTH POND DRAIN AT A RATE OF 9 MINUTES PER INCH. THIS EQUATES TO 6.67 INCHES PER HOUR. THE POND BOTTOM IS 1,920 SF WHICH MEANS THAT THE POND CAN DRAIN 1,087CF/HR (25,613 CF/DAY).SINCE THE 100 YR - 6 HR STORM VOLUME FOR BASIN A IS 2,553 CF, THE POND SHOULD BE ABLE TO COMPLETELY DRAIN IN JUST OVER 7 HOURS.



The West One-Half of Tract 52, Unit No. 6 of Plat of Town of Atrisco Grant,
Bernalillo County, NM.



Per FIRM Map 35001C0328J, dated November 04, 2016, the site is not located in the Floodplain and determined to be outside the 0.2% chance Annual Floodplain.'

INTRODUCTION
The purpose of this submittal is to provide a grading and drainage plan for a new multifamily project located at 7600 Central Ave SW. The site is currently undeveloped. The property consists of approximately 2.11 acres and is legally described as the West 1/2 of Tract 52, Unit No 6, Town of Atrisco Grant.

The site currently slopes from north to south into minor low areas that pond. The drainage either infiltrates into the existing sandy soils or drains to the east into the Volcano Road Right-of-Way. Volcano Rd is not paved and it is our understanding that this road will remain unpaved.

The proposed site will drain into a new retention pond located on the south side of the property. Per the Calculations Table this sheet, the site generates 12,928 CF of drainage during the 100-Yr, 6-Hr Storm. 23,570 CF of volume is provided in the proposed pond, which should discharge in approximately 7 hours via percolation into the soil.**

This drainage management plan provides for grading and drainage elements which are capable of safely passing the 100 year storm and meets city requirements. The proposed improvements for the site should not have any negative impacts to facilities downstream. With this submittal, we are requesting approval of both Grading Permit and Building Permit.

Route 66 Lofts
7600 Central Ave SW
Albuquerque, NM 87121

Design Development
Grading Plan

C-200

[illegible]