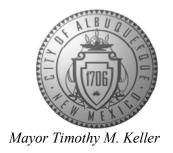
CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



August 25, 2020

Jeffrey T. Wooten, P.E. Wooten Engineering 1005 21st Street SE, Suite 13 Rio Rancho, NM 87124

RE: Academy Dental Center

6421 Holly Ave NE

Revised Grading and Drainage Plan Engineer's Stamp Date: 08/18/20 Hydrology File: C18D038A

Dear Mr. Wooten:

PO Box 1293 Based upon the information provided in your submittal received 08/18/2020, the Revised

Grading and Drainage Plan is approved for Building Permit.

Albuquerque 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 approval in support of Permanent Release of Occupancy

by Hydrology, Engineer Certification per the DPM checklist will be required.

NM 87103

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

Switch between the or mean (1707) is required to be submitted to the Stormwater Quart

Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth

disturbance.

www.cabq.gov

Please provide Drainage Covenant per Chapter 17 of the DPM prior to Permanent Release of Occupancy for the stormwater quality ponds. Please submit these to the 4th floor of Plaza de Sol. A \$25 fee for each will be required.

Renée C. Brissette

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



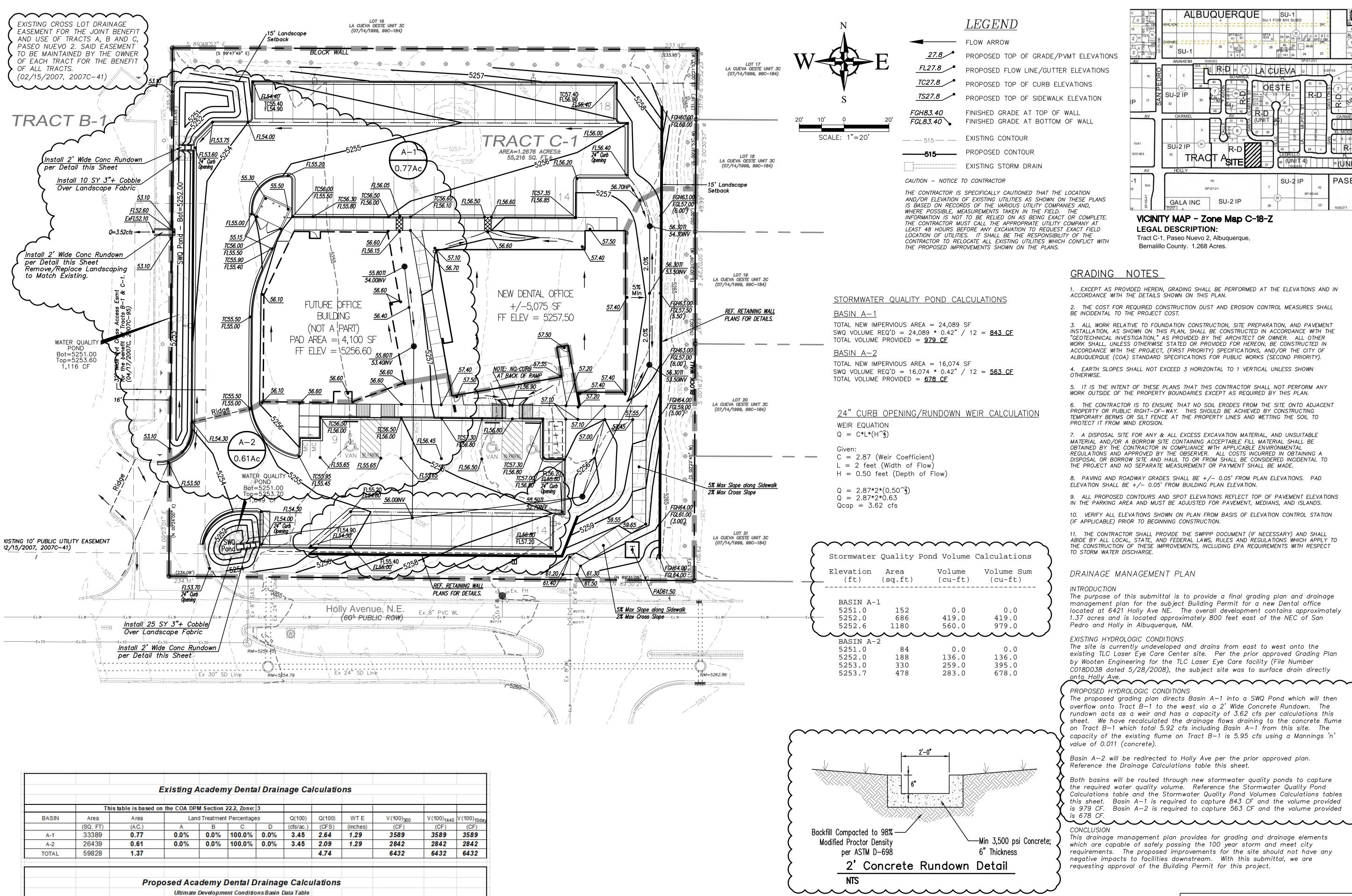
City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

| Project Title: Academy Dental Center | Building Pern | it #: Hydrology File #: C18/D038A |
|--|---------------|--|
| DRB#: | EPC#: | Work Order#: |
| Legal Description: _Tract C-1, Paseo Nue | vo 2 | |
| City Address: 6421 Holly Ave NE | | |
| Applicant: Wooten Engineering Address: 1005 21st Street SE, Suite 13, Richards | | Contact: Jeffrey T. Wooten, P.E. |
| Phone#: 505-980-3560 | Fax#:N/A | E-mail: jeffwooten.pe@gmail.com |
| Owner: | | Contact: |
| Address: | | |
| | | E-mail: |
| TYPE OF SUBMITTAL: PLAT (# OI IS THIS A RESUBMITTAL?: X Y | Yes | . No |
| DEPARTMENT: TRAFFIC/ TRANSPO | RTATION^_ | _HYDROLOGY/ DRAINAGE |
| Check all that Apply: TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION CONCEPTUAL G & D PLAN X GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT FLOODPLAIN DEVELOPMENT PERMIT ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TC) TRAFFIC IMPACT STUDY (TIS) OTHER (SPECIFY) PRE-DESIGN MEETING? | APPLIC L) | 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: August 19, 2020 | | y T. Wooten, P.E. |
| COA STAFF: | | UBMITTAL RECEIVED: |



This table is based on the COA DPM Section 22.2, Zone: 3

Land Treatment Percentages

BASIN

A-1

A-2

TOTAL

Area

33389

26439

59828

0.77

0.61

1.37

Q(100) Q(100)

6.20

(cfs/ac.) (CFS)

0.0% | 0.0% | 27.0% | 73.0% | 4.60 | 3.52 | 2.07

0.0% | 0.0% | 39.0% | 61.0% | 4.41 | 2.68 | 1.94

V (100)360

5763

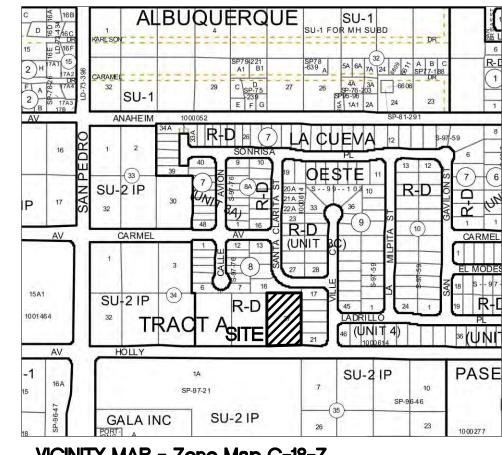
4280

V(100)₁₄₄₀ V(100)₁₀₀

6575 9013

4818 6431

11393 15443



VICINITY MAP - Zone Map C-18-Z **LEGAL DESCRIPTION:**

Tract C-1, Paseo Nuevo 2, Albuquerque, Bernalillo County. 1.268 Acres.

<u>GRADING NOTES</u>

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

. 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, (FIRST PRIORITY) SPECIFICATIONS, AND/OR 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

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 PROPERTY OR PUBLIC RIGHT—OF—WAY. THIS 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 COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL 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 +/- 0.05' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.

9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.

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 EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.

DRAINAGE MANAGEMENT PLAN

The purpose of this submittal is to provide a final grading plan and drainage management plan for the subject Building Permit for a new Dental office located at 6421 Holly Ave NE. The overall development contains approximately 1.37 acres and is located approximately 800 feet east of the NEC of San Pedro and Holly in Albuquerque, NM.

EXISTING HYDROLOGIC CONDITIONS

The site is currently undeveloped and drains from east to west onto the existing TLC Laser Eye Care Center site. Per the prior approved Grading Plan by Wooten Engineering for the TLC Laser Eye Care facility (File Number C018D038 dated 5/28/2008), the subject site was to surface drain directly onto Holly Ave.

PROPOSED HYDROLOGIC CONDITIONS

The proposed grading plan directs Basin A-1 into a SWQ Pond which will then overflow onto Tract B—1 to the west via a 2' Wide Concrete Rundown. The rundown acts as a weir and has a capacity of 3.62 cfs per calculations this sheet. We have recalculated the drainage flows draining to the concrete flume on Tract B—1 which total 5.92 cfs including Basin A—1 from this site. The capacity of the existing flume on Tract B-1 is 5.95 cfs using a Mannings 'n' value of 0.011 (concrete).

Basin A-2 will be redirected to Holly Ave per the prior approved plan. Reference the Drainage Calculations table this sheet.

Both basins will be routed through new stormwater quality ponds to capture the required water quality volume. Reference the Stormwater Quality Pond Calculations table and the Stormwater Quality Pond Volumes Calculations tables , this sheet. Basin A—1 is required to capture 843 CF and the volume provided is 979 CF. Basin A-2 is required to capture 563 CF and the volume provided

This drainage management plan provides for grading and drainage elements which are capable of safely passing the 100 year storm and meet 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 the Building Permit for this project.

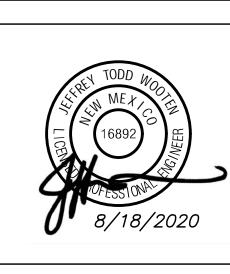
BENCH MARKS

DELTA ALPHA ANGLE = $-0^{\circ}1^{\circ}19.69^{\circ}$

| | | DETVOTT WWW.TANG |
|-----|--|-----------------------------------|
| | | A.C.S. MONUMENT "9-C18" |
| N | | MONUMENT "HEAVEN" |
| V.E | Wooten Engineering 1005 21st St SE, Suite 13 Rio Rancho, N.M. 87124 Phone: (505) 980-3560 | NEW MEXICO STATE PLANE COORDINATE |
| | | (CENTRAL ZONE-N.A.D. 1983) |
| | | N=1,521,497.624 |
| | | E=1,542,501.428 |
| | | PUB. EL=5232.47 NAVD 1988 |
| S | | GROUND TO GRID FACTOR=0.99966456 |



ent \Box 0



REVISIONS

Date Description

AUGUST 22, 2019 PROJECT NO: 2018038 DRAWN BY: OG ISSUED FOR:

Grading Plan

