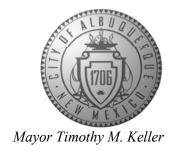
CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



April 3, 2024

Phillip W. Clark, PE Clark Consulting Engineers 19 Ryan Rd Edgewood, NM 87015

RE: 6421 Dennison Rd SW

Grading & Drainage Plan

Engineer's Stamp Date: 03/14/24

Hydrology File: K11D096

Dear Mr. Clark:

PO Box 1293

Based upon the information provided in your submittal received 03/28/2024, 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 rbrissette@cabq.gov.

Sincerely,

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

Renée C. Brissette

Planning Department

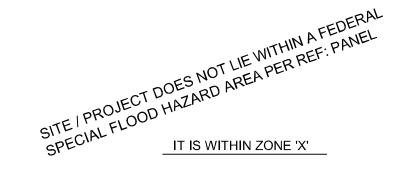


City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

| Project Title: | | Hydrology File # | |
|-------------------------------------------------|---------------------------|-----------------------------------------------------|--|
| Legal Description: | | | |
| City Address, UPC, OR Parcel | : | | |
| Applicant/Agent: | | Contact: | |
| Address: | | | |
| Email: | | | |
| Applicant/Owner: | | Contact: | |
| Address: | | Phone: | |
| Email: | | | |
| (Please note that a DFT SITE is or | ne that needs Site Plan A | pproval & ADMIN SITE is one that does not need it.) | |
| TYPE OF DEVELOPMENT: | PLAT (#of lots) | RESIDENCE | |
| | DFT SITE | ADMIN SITE | |
| RE-SUBMITTAL: YES | NO | | |
| DED A DEMENT. TO A NI | SDODT A TION | HVDDOLOGV/DD A DIA CE | |
| DEPARTMENT: TRANS | SPORTATION | HYDROLOGY/DRAINAGE | |
| Check all that apply under Both | the Type of Submittal | and the Type of Approval Sought: | |
| TYPE OF SUBMITTAL: | | TYPE OF APPROVAL SOUGHT: | |
| ENGINEER/ARCHITECT CERTIFICATION | | BUILDING PERMIT APPROVAL | |
| PAD CERTIFICATION | | CERTIFICATE OF OCCUPANCY | |
| CONCEPTUAL G&D PLAN | | CONCEPTUAL TCL DFT APPROVAL | |
| GRADING & DRAINAGE PLAN | | PRELIMINARY PLAT APPROVAL | |
| DRAINAGE REPORT | | FINAL PLAT APPROVAL | |
| DRAINAGE MASTER PLAN | | SITE PLAN FOR BLDG PERMIT DFT | |
| CLOMR/LOMR | | APPROVAL | |
| TRAFFIC CIRCULATION LAYOUT (TCL) ADMINISTRATIVE | | SIA/RELEASE OF FINANCIAL GUARANTEE | |
| | | FOUNDATION PERMIT APPROVAL | |
| TRAFFIC CIRCULATION LAYOUT FOR DFT APPROVAL | | GRADING PERMIT APPROVAL | |
| TRAFFIC IMPACT STUDY (TIS) | | SO-19 APPROVAL | |
| STREET LIGHT LAYOUT | | PAVING PERMIT APPROVAL | |
| OTHER (SPECIFY) | | GRADING PAD CERTIFICATION | |
| - 111211 (C1 2011 1) | | WORK ORDER APPROVAL | |
| | | CLOMR/LOMR | |
| | | OTHER (SPECIFY) | |
| DATE SUBMITTED: | | | |



DATED 8/16/2012

PANEL # 329H

GRADING & DRAINAGE PLAN

THE RESIDENTIAL PROJECT IS LOCATED IN THE SOUTHWEST AREA OF ALBUQUERQUE APPROXIMATELY 3 MILES WEST OF THE DOWNTOWN CORE OF ALBUQUERQUE, NM. THE GRADING & DRAINAGE SCHEME HEREON IS IN COMPLIANCE WITH THE CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE. INCLUDING CITY STORM DRAINAGE ORDINANCE. THE PLAN IS REQUIRED IN ORDER TO FACILITATE THE OWNER'S REQUEST FOR BUILDING PERMIT. THE PLAN SHOWS:

- 1. EXISTING CONTOURS, AND SPOT ELEVATIONS AND EXISTING DRAINAGE PATTERNS AND EXISTING IMPROVEMENTS: INCLUDING VACANT LOT.
- 2. PROPOSED IMPROVEMENTS: 2740 SF STRUCTURE, NEW CONCRETE DRIVEPAD AND ON-SITE PARKING, NEW GRADE ELEVATIONS, FLATWORK AND LANDSCAPING.
- 3. CONTINUITY BETWEEN EXISTING AND PROPOSED ELEVATIONS. 4. QUANTIFICATION AND ACCEPTANCE OF UPSTREAM OFF-SITE FLOWS WHICH CONTRIBUTE TO THE DEVELOPED FLOWS GEN-ERATED BY THE IMPROVEMENTS.

THE PURPOSE OF THE PLAN IS TO ESTABLISH CRITERIA FOR CON-TROLLING STORM RUNOFF AND EROSION, AND ESSENTIALLY ALLOWING HISTORIC FLOWS TO CONTINUE TO DRAIN THROUGH THE PROPERTY. PRESENTLY, THE SITE IS BOUNDED ON THE WEST BY UNDEVELOPED PROPERTY, AND FRONTS ON DENNISON ROAD. LAND TO THE NORTH & EAST IS DEVELOPED. DENNISON HAS CURB AND SIDEWALKS AND MAINTAINED BY CITY OF ALBUQUERQE. THE SITE DRAINS TO THE NORTHWEST, AND WILL CONTINUE IN REDEVELOPMENT.

HISTORICAL SITE RUNOFF OUTFALL LOCATIONS WILL REMAIN UNCHANGED. SINCE DENNISON IS IMPROVED NO GRADING IS PROPOSED WITHIN THE CNTY R.O.W. THE "FIRST FLUSH" 0.42-INCH RAINSTORM IS RETAINED ON-SITE WITHIN THE PERVIOUS LANDSCAPING. ADDITIONALLY, RUNOFF IS ROUTED TO LANDSCAPING AND WATER HARVESTING IS RECOMMENDED. THE SITE IS NOT IMPACTED ADVERSELY BY ANY OFF-SITE DRAINAGE FLOWS.

CALCULATIONS

DESIGN CRITERIA

HYDROLOGIC METHODS PER CHAPTER 6, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPM) 2020 EDITION FOR CITY OF ALBUQUERQUE. DISCHARGE RATE: Q=QPEAK x AREA.."Peak Discharge Rates For Small Watersheds" $VOLUMETRIC\ DISCHARGE:\ VOLUME\ =\ EWeighted\ x\ AREA$ P100-6 Hr= 2.17 In., Zone 1, TC = 12 Min.

DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR [] = 10 YEAR VALUES

DEVELOPED CONDITIONS

DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE FOR STUDY AREA

AREA LAND TREATM'T Q Peak Ew 0.00 Ac.(-%) A 1.54[0.30] 0.55[0.11] 0.04 Ac.(29%) B 2.16[0.81] 0.73[0.26] 0.04 Ac.(28%) C 2.87[1.46] 0.95[0.43] UNDEVELOPED LANDSCAPING, Native, <10% GRAVEL & COMPACTED SOIL ROOF - PAVEMENT 4.12[2.57] 2.24[1.43]

E = 1.44 IN., ===> VOL.100 = 732 CF Q100 = 0.45 CFS

CHECK 1ST FLUSH, AKA EPA SWQ & 2020 DPM - USE 0.42" THEN: 0.42"/12 X 0.06 X 43560 = 92 CF

RECOMMEND: POND POINT RAINFALL RUNOFF WITHIN PROPOSED/UPGRADED SOFT LANDSCAPING AND ROUTE TO HARVEST AREAS

City of Albuquerque Development Review Services HYDROLOGY SECTION **APPROVED** DATE: 04/03/24
BY: Renee Brisselle APPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIRE

WO (2) YEARS AFTER THE APPROAL DATE BY THE CITY IF NO UILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT

🗠 🖺 XIST. BLK. 🦯

LOT 6

0.14 AC

STREET VIEW - LOOKING NW

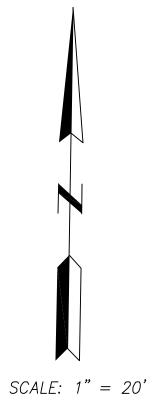
WALL, TYP.

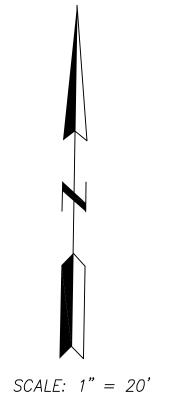
EXIST. WALL—

FND. 0.5' HIGH

(REMOVED)

NEW BLK:

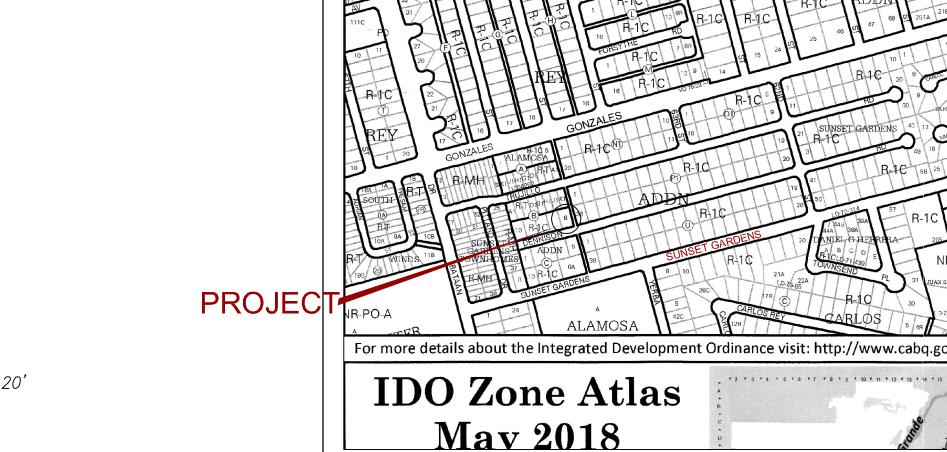




Z

PROJECT BENCH

SAS MH (North Rim)



VICINITY MAP

NOTES

1. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECS. FOR PUBLIC WORKS CONSTRUCTION, 2020 EDITION.

K-11

- 2. AN EXCAVATION/ACCESS PERMIT IS REQUIRED BEFORE BEGINNING ANY WORK WITHIN COUNTY R.O.W. AN APPROVED COPY OF THIS PLAN MUST BE SUBMITTED AT THE TIME OF APPLICATION.
- 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4. ALL LANDSCAPING AREA SHALL BE SOFT—LINED WITH NATIVE VEGETATION AND/OR GRAVEL.
- 5. CONTRACTOR SHALL ENSURE THAT NO SITE SOILS/SEDIMENT OR SILT ENTER THE RIGHT-OF-WAYS DURING CONSTRUCTION.
- 6. REVEGETATE ALL AREAS DISTURBED DUE TO CONSTRUCTION PER CITY OF ALBUQ. SPEC. 1012, NATIVE SEED MIX.
- 7. MAXIMUM SITE GRADING WITHOUT EROSION PROTECTION: 2 HORIZONTAL TO 1 VERTICAL, 2:1. ALL DIMENSIONS TO FACE OF CURB, UNLESS NOTED OTHERWISE.

LEGEND

EXIST. SPOT ELEVATION ____10 ____ EXIST. CONTOUR NEW SPOT ELEVATION **← , ♦** 24.0 NEW CONTOUR _____12____ NEW SWALE DRAINAGE DIRECTION, EXISTING NEW P.C.C., CONCRETE TOP OF CURB, EXISTING FLOWLINE EXISTING POWER POLE

PROJECT DATA ZONED R-1C

LOT 6, BLOCK 'B', ALAMOSA ADDITION ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

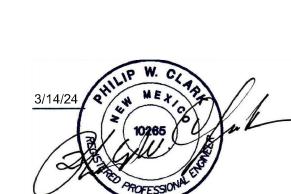
PROJECT BENCHMARK

LEGAL DESCRIPTION

TOP OF NORTH RIM OF EXISTING SANITARY MANHOLE ELEV. 5015.10 LOCATED AT THE INTERSECTION OF DENNISON RD. & PUBLIC ALLEY, AS TIED TO COA ACS 2_L10 (5035.95) NAVD 88.

TOPOGRAPHIC DESIGN SURVEY

COMPILED BY CLARK CONSULTING ENGINEERS FROM VLADIMER JIRIK SURVEY





I, PHILIP W. CLARK, A PROFESSIONAL ENGINEER LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT I HAVE VISITED THE SITE SHOWN HEREON, AND THAT THE CONTOURS SHOWN REPRESENT THE EXISTING GROUND CONDITIONS, AND DO FURTHER CERTIFY THAT NO SIGNIFICANT EARTHWORK NOR MAJOR DISTURBANCE OF THE EXISTING GROUND HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE DETERMINED.

