

Mayor Timothy M. Keller

March 30, 2022`

Ron Hensley, P.E. The Group 300 Branding Iron Rd SE Rio Rancho, New Mexico 87124

RE: Lot 11 Block 4 Unit 22 SAD 228

6409 Canavio Rd. NW Volcano Cliffs Subdivision Grading and Drainage Plan

Engineers Stamp Date 1/25/2022 (D10D003D11) Building

Permit Date: 3/24/2022

Mr. Hensley,

Based upon the information provided in your submittal received 3/16/2022, this plan is

PO Box 1293 approved for Building Permit.

Prior to Building permit approval a Pad Certification will be required, provided by the

Engineer or a registered Land Surveyor.

Albuquerque

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose. Place this note on the plan.

NM 87103

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained with the approved G&D plan and Pad Certification. Also, if a swimming pool is to be placed after this approval a new grading and drainage plan will need to be resubmitted showing the changes for the land treatments.

www.cabq.gov

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

If you have any questions, you can contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

Ernest Armijo, P.E.

Principal Engineer, Planning Dept. Development Review Services



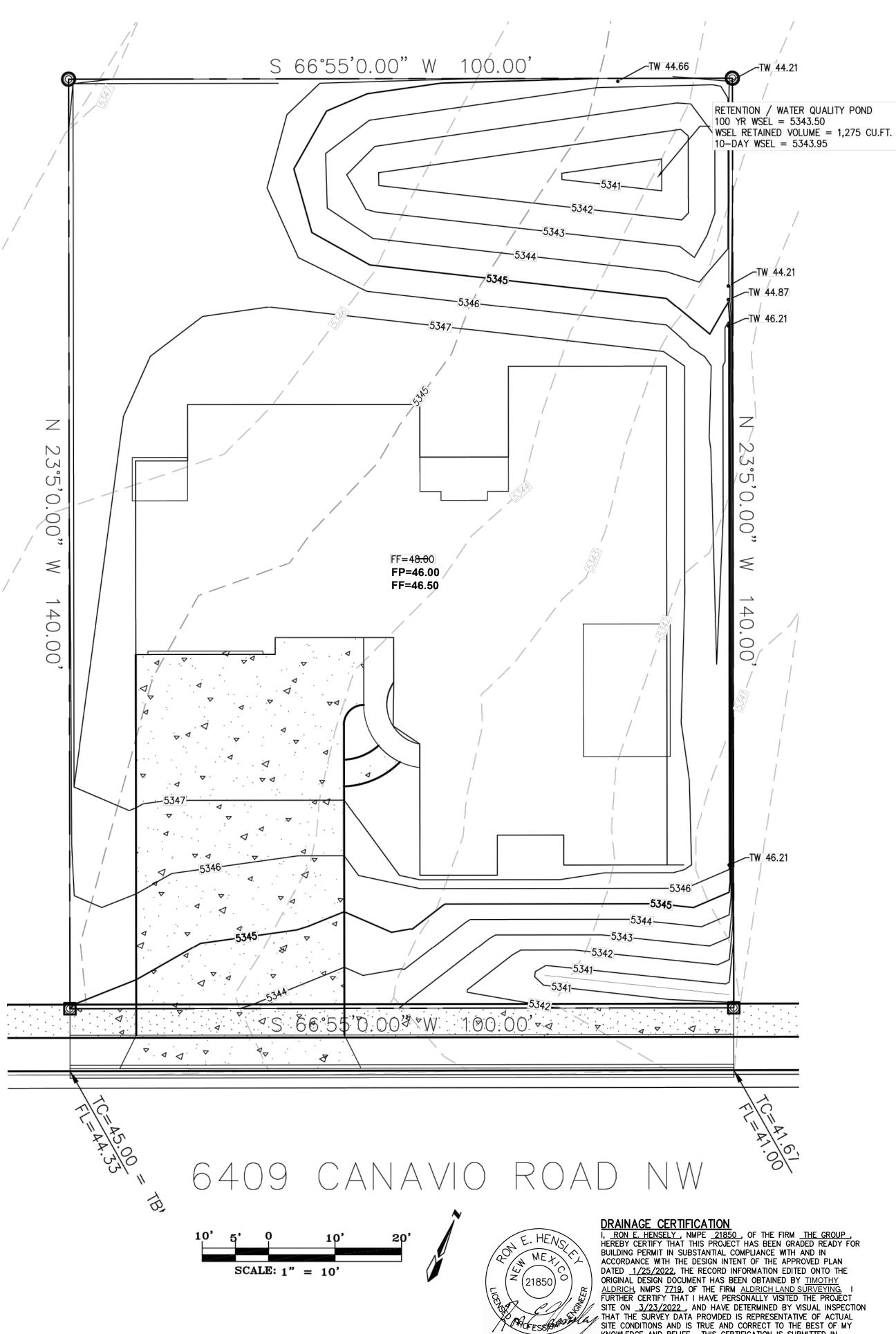
City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: 6409 CANAVIO NW	Building Permit #:	Hydrology File #: H09D003
DRB#:	EPC#:	Work Order#:
Legal Description: LOT 11 BLOCK 4, VC		
City Address: 6409 CANAVIO RD NW		
Applicant: THE Group Address: 300 Branding Iron Rd. SE, Rio Rar		Contact: Ron Hensley
		E-mail: ron@thegroup.cc
Owner: Russ Alberti & Tammie Lamphere Address: 809 Jefferson NE		Contact: Tammie Lamphere
	Fax#·	E-mail: flamingogal2001@yahoo.com
DEPARTMENT: TRAFFIC/ TRANCheck all that Apply:	ТҮРЕ	OF APPROVAL/ACCEPTANCE SOUGHT:
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICPAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT FLOODPLAIN DEVELOPMENT PER ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS) OTHER (SPECIFY) PRE-DESIGN MEETING?	CATION	CERTIFICATE OF OCCUPANCY CERTIFICATE OF OCCUPANCY CRELIMINARY PLAT APPROVAL ITE PLAN FOR SUB'D APPROVAL ITE PLAN FOR BLDG. PERMIT APPROVAL INAL PLAT APPROVAL IA/ RELEASE OF FINANCIAL GUARANTEE COUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL AVING PERMIT APPROVAL GRADING/ PAD CERTIFICATION WORK ORDER APPROVAL CLOMR/LOMR LOODPLAIN DEVELOPMENT PERMIT OTHER (SPECIFY)
DATE SUBMITTED: 3/24/22		Hensley
COA STAFF:	ELECTRONIC SUBMITTAL	RECEIVED:

FEE PAID:___



REQUIRED WATER QUALITY VOLUME

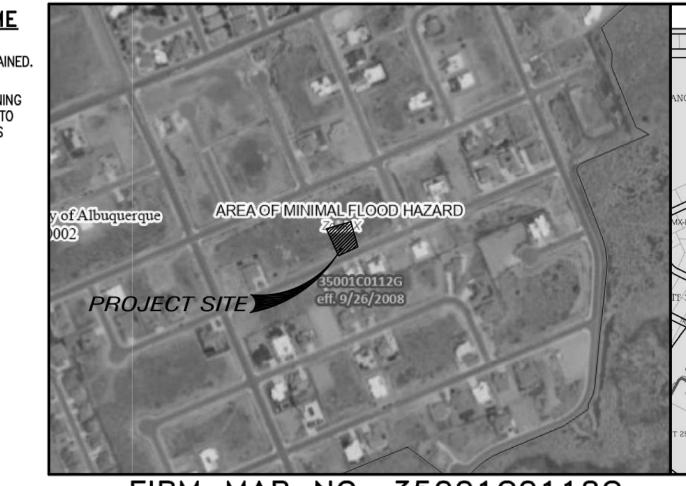
LOT DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.

LOT DEPICTED HEREON SHALL BE RESPONSIBLE FOR MAINTAINING WATER QUALITY RETENTION ON THE LOT IMMEDIATELY PRIOR TO DISCHARGE. THE VOLUME SHALL BE EQUAL TO: IMPERVIOUS AREA * 0.42/12 IN CUBIC FEET.

DRAINAGE INFORMATION

IMPERVIOUS AREA = 5,354 SQ.FT.

REQUIRED VOLUME = 5.147 * 0.42/12 = 187 CU.FT. VOLUME PROVIDED = 1,275 CU.FT.



FIRM MAP NO. 35001C0112G

THE PROPOSED SITE IS 0.32 ACRES LOCATED ON THE NORTH SIDE OF CANAVIO ROAD EAST OF CANONCITO ROAD. AS SEEN ON THE VICINITY MAP.

FLOODPLAIN STATUS

LOCATION & DESCRIPTION

THE CONSTRUCTION OF THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0112GH, DATED SEPTEMBER 26, 2008 IS NOT WITHIN FLOODPLAIN ZONE X WITH MINIMAL FLOOD HAZARD. AN EXHIBIT WITH THE SITE SHOWN ON THE FIRM PANEL IS INCLUDED ON THIS SHEET. THE SITE IS NOT WITHIN A FLOOD ZONE.

METHODOLOGY **EQUATIONS:**

WEIGHTED E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

FLOW = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

WHERE FOR 100-YEAR, 6-HOUR STORM(ZONE1)

Ea= 0.44 Qa= 1.29 Eb= 0.67 Qb= 2.03

Ec= 0.99 Qc= 2.87

Ed= 1.97 Qd= 4.37

	AREA	TREATN	ΛΕΝΤ A	TREATN	VENT B	TREATI	MENT C	TREATI	MENT D		VOLUME	FLOW	10 DAY
BASIN	(sf)	%	sf	%	sf	%	sf	%	sf	WEIGHTED E	(cuft.)	(cfs)	(cuft.)
EXISTING	13960	100%	13960	0%	0	0%	0	0%	0	0.4400	512	0.41	512
PROPOSED	13960	50%	6980	12%	1626	0%	0	38%	5354	1.0536	1226	0.82	1859

<u>PRECIPITATION</u>

THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 1 AS IDENTIFIED IN THE DEVELOPMENT PROCESS MANUAL, SECTION 6.

EXISTING DRAINAGE

KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR <u>PAD CERTIFICATION</u>. THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND

RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT

INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING

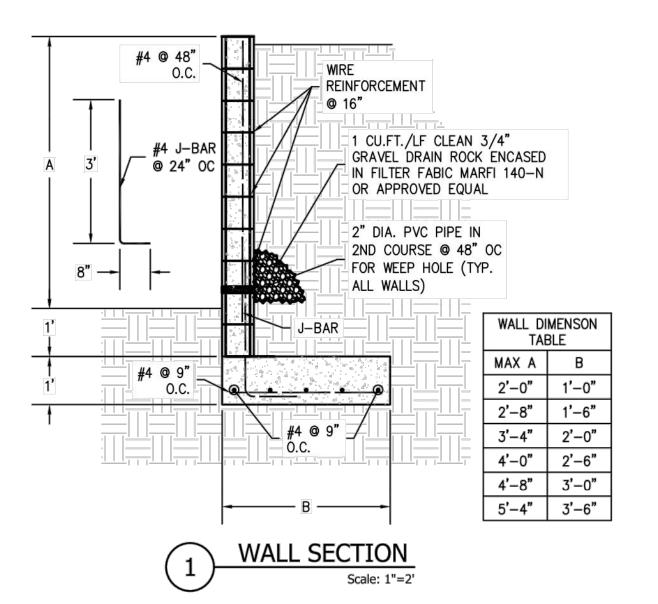
AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS

VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER

THE SITE IS WITHIN THE NORTHWEST MESA AREA OF ALBUQUERQUE. THE SITE IS TO MAINTAIN HISTORIC DRAINAGE PATTERNS. THERE ARE NO FLOWS THAT ENTER THE SITE. THE HISTORIC DRAINAGE IS TO THE SE

DEVELOPED CONDITION

THIS SITE WILL BE DEVELOPED AS A SINGLE FAMILY HOME WITH DEVELOPED RUNOFF ROUTED TO A RETENTION POND. THE RETENTION POND WITH A REQUIRED VOLUME OF 1,859 CU.FT. OR 100% OF 10-DAY



VICINITY MAP D-10-Z

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES. MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES,

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF GND ENGINEERING, LLC IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

2. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

3. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBLITY OF THE PROPERTY OWNER.

4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDED OR LANDSCAPED

5. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.

6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

EROSION CONTROL NOTES

 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
- FACILITES IS THE RESPONSIBILITY OF THE CONTRACTOR. 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND

ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC

AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT. LEGAL DESCRIPTION

LOT 20 BLOCK 1, VOLCANO CLIFFS, UNIT 27

CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

LEGEND

FLOW ARROW SLOPE ARROW EL=11.28 PROPOSED ELEVATION

66.33 EXISTING ELEVATION GRADE BREAK —— PROPOSED CONTOUR

EXISTING CONTOUR PROPOSED EASEMENT 4.00% PROPOSED GRADE

EXISTING WALL PROPOSED WALL





1. THIS SET OF DRAWINGS EXISTS AS A WHOLE. IT IS THE SOLE RESPONSIBILITY OF EACH CONTRACTOR INVOLVED IN THE PROJECT TO REVIEW THESE DRAWINGS AS SUCH. EACH SHEET MAY CONTAIN WORK PERTINENT TO THEIR RESPECTIVE DISCIPLINES. 2. DUE TO POTTENTIAL INCONSISTENCIES DURING PLAN INCONSISTENCIES DURING PLAN REPRODUCTION, SCALING THE DRAWING TO VERIFY OR OBTAIN
DIMENSIONS IS NOT RECOMMENDED.

. N E, 6409 CANAVIO I ALBUQUERQU

RESIDENCE PLAN DRAINAGE ALBERTI-LAMPHERE AND GRADING

-PROJECT PROGRESS-PERMIT REH

-CHECKED BY- / -APPROVED BY-REH / REH

JAN, 20, 22 AS NOTED -SHEET-

G1