

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 8, 2024

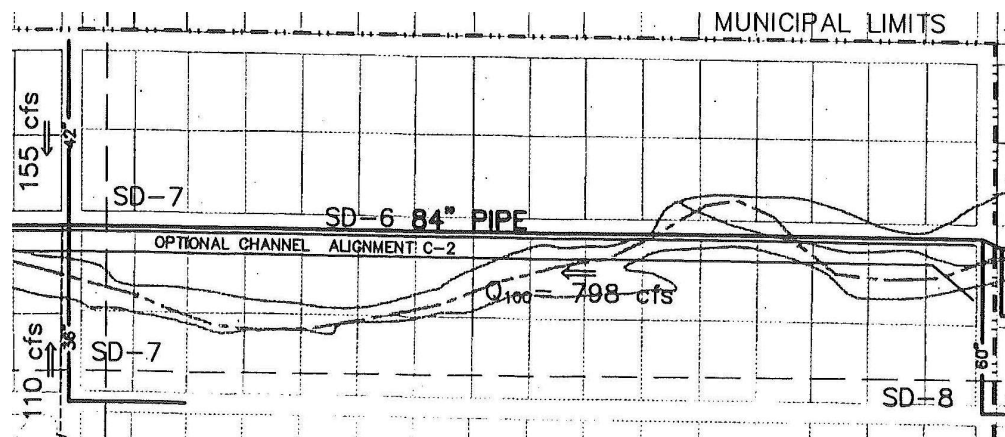
Phillip W. Clark, PE
Clark Consulting Engineers
19 Ryan Rd
Edgewood, NM 87015

RE: 8701 Glendale Ave. NE
Grading & Drainage Plan
Engineer's Stamp Date: 02/06/24
Hydrology File: B20D069

Dear Mr. Clark:

Based upon the information provided in your submittal received 02/28/2024, the Grading & Drainage Plan **is not** approved for Grading Permit. The following comments need to be addressed for approval of the above referenced project:

1. Per the IDO, the property owner of the property is responsible for building the adjacent half of Glendale Ave. NE to include curb & gutter, and sidewalk. The project will have to go to the Development Facilitation Team (DFT) for approval of the Infrastructure List. Also, half of an 84" storm sewer (see below) will also need to be added to the Infrastructure List. The storm sewer was called out in the NAA MDP.



2. These improvements will need to be shown on the Grading & Drainage Plan.
3. Please check to make sure that this property doesn't need to be replated as well with the Development Hearing Officer (DHO).

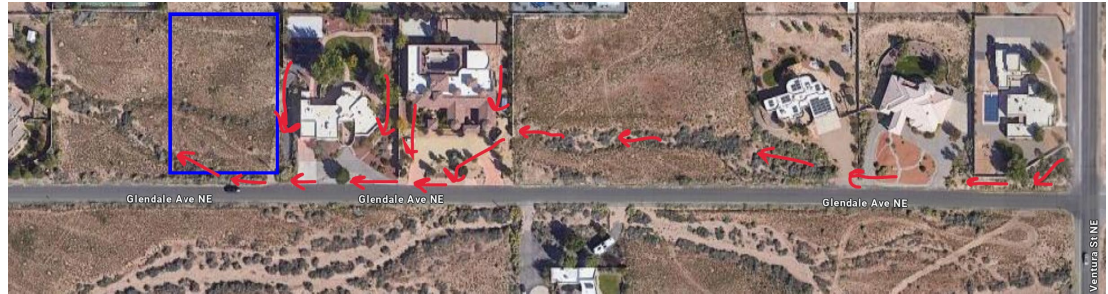
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4. Properly showing and calculating the existing drainage that goes in the natural arroyo and Glendale from the east to the west needs to be done. This existing drainage needs to be allowed to go through the property and can be managed somehow in the proposed development.



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

Sincerely,

PO Box 1293

Renée C. Brissette

Albuquerque

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

NM 87103

www.cabq.gov



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: _____ Phone: _____

Email: _____

Applicant/Owner: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

(Please note that a DFT SITE is one that needs Site Plan Approval & ADMIN SITE is one that does not need it.)

TYPE OF DEVELOPMENT: PLAT (#of lots) _____ RESIDENCE
DFT SITE ADMIN SITE

RE-SUBMITTAL: YES NO

DEPARTMENT: TRANSPORTATION HYDROLOGY/DRAINAGE

Check all that apply under Both the Type of Submittal and the Type of Approval Sought:

TYPE OF SUBMITTAL:

ENGINEER/ARCHITECT CERTIFICATION
PAD CERTIFICATION
CONCEPTUAL G&D PLAN
GRADING & DRAINAGE PLAN
DRAINAGE REPORT
DRAINAGE MASTER PLAN
CLOMR/LOMR
TRAFFIC CIRCULATION LAYOUT (TCL)
ADMINISTRATIVE
TRAFFIC CIRCULATION LAYOUT FOR DFT
APPROVAL
TRAFFIC IMPACT STUDY (TIS)
STREET LIGHT LAYOUT
OTHER (SPECIFY) _____

TYPE OF APPROVAL SOUGHT:

BUILDING PERMIT APPROVAL
CERTIFICATE OF OCCUPANCY
CONCEPTUAL TCL DFT APPROVAL
PRELIMINARY PLAT APPROVAL
FINAL PLAT APPROVAL
SITE PLAN FOR BLDG PERMIT DFT
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
OTHER (SPECIFY) _____

DATE SUBMITTED: _____

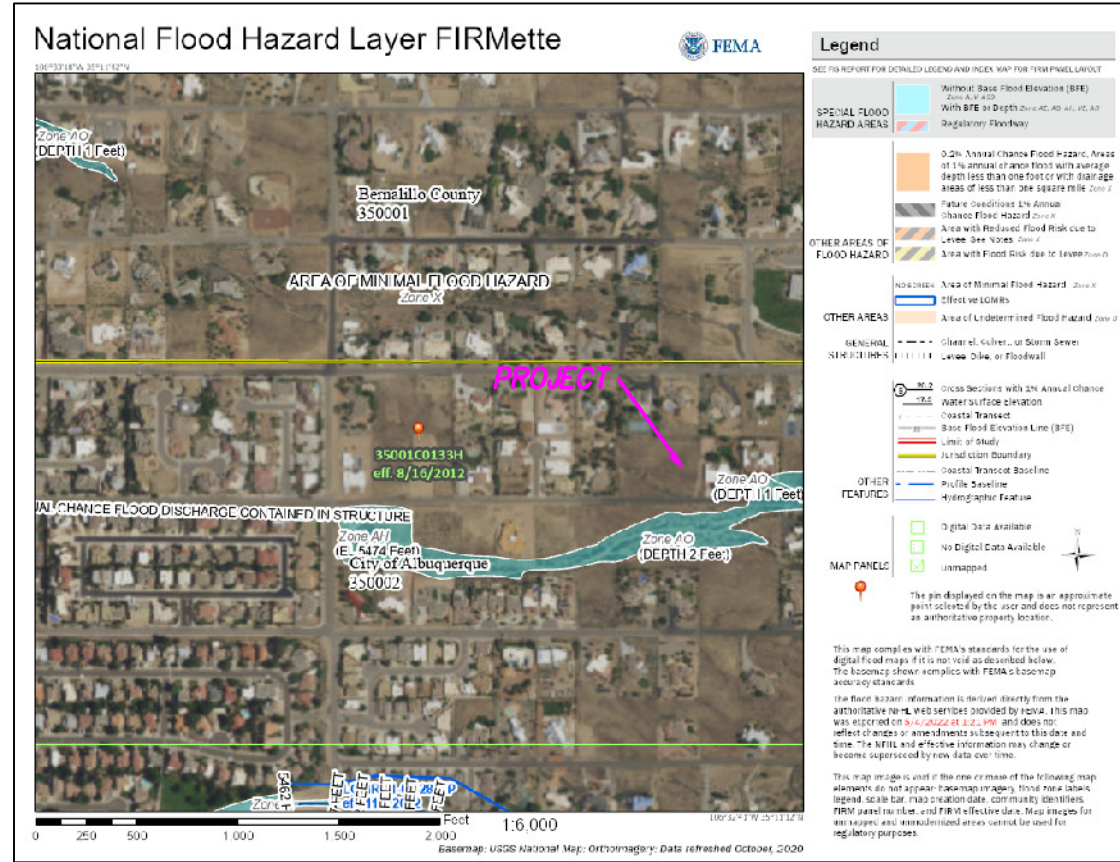
GRADING & DRAINAGE PLAN

THE PROPOSED RESIDENTIAL PROJECT IS LOCATED IN THE NORTH ALBUQUERQUE ACRES AREA OF THE FAR NORTHEAST HEIGHTS OF ALBUQUERQUE. THE GRADING AND DRAINAGE SCHEME HEREON IS IN COMPLIANCE WITH THE BERNALILLO COUNTY FLOOD HAZARD ORDINANCE, 2009, AND THE CURRENT CITY STORM DRAINAGE ORDINANCE. THE PLAN IS REQUIRED IN ORDER TO FACILITATE THE OWNER'S REQUEST FOR BUILDING PERMIT. THE PLAN SHOWS:

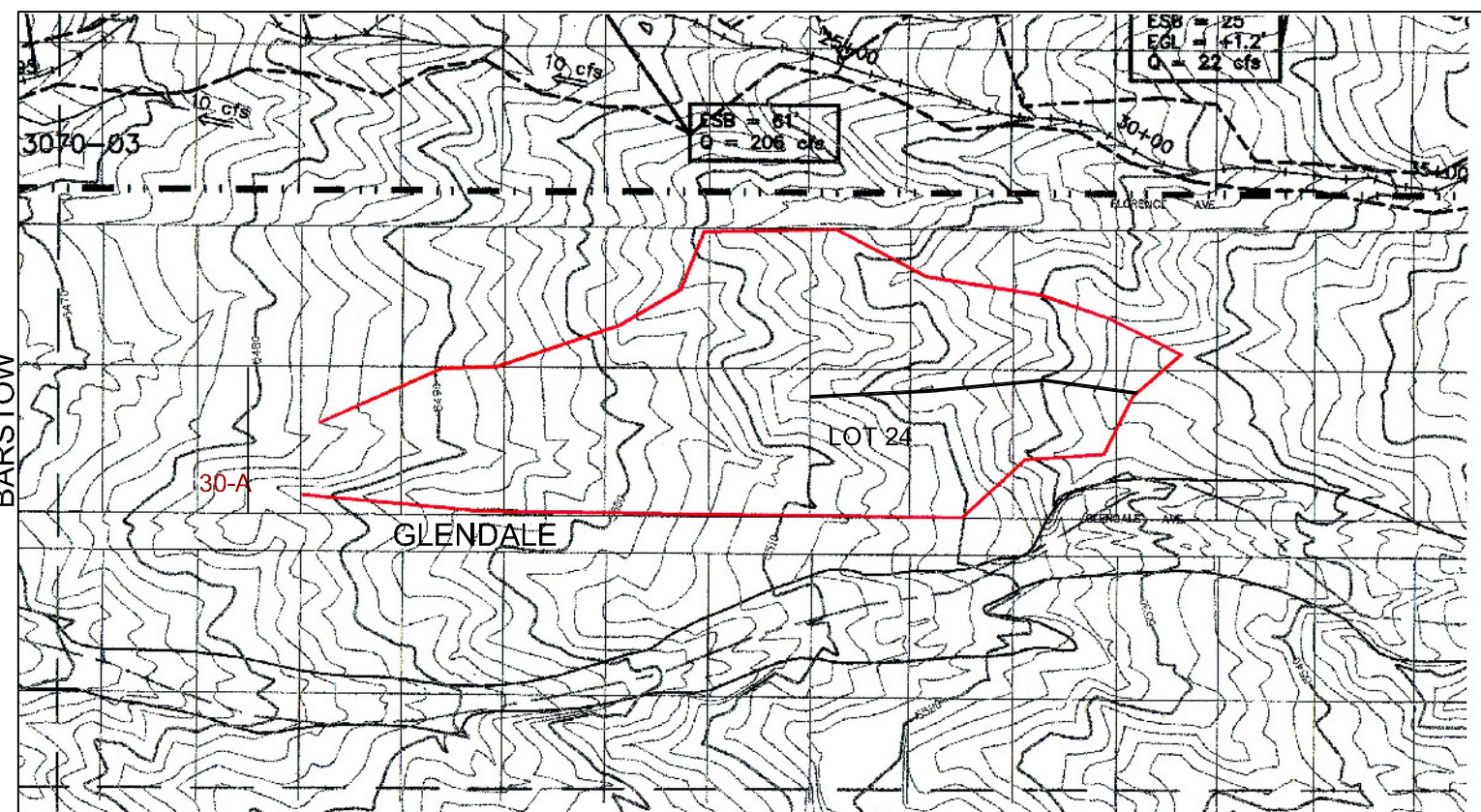
1. EXISTING CONTOURS, AND SPOT ELEVATIONS AND EXISTING DRAINAGE PATTERNS AND EXISTING STRUCTURES
2. PROPOSED IMPROVEMENTS: A 3600 SF FUTURE RESIDENCE W/CASITA, PRIVATE GRAVEL DRIVEWAY, NEW GRADE ELEVATIONS, WALL, AND LANDSCAPING IMPROVEMENTS.
3. CONTINUITY BETWEEN EXISTING AND PROPOSED ELEVATIONS.
4. QUANTIFICATION OF DEVELOPED FLOWS GENERATED BY THE IMPROVEMENTS WHICH CONTRIBUTE TO THE EXISTING FLOWS, including NEW PONDING REQUIREMENTS.

PRESENTLY, THE SITE IS UNDEVELOPED. THE SITE IS BOUNDED BY UNDEVELOPED PROPERTY TO THE EAST AND WEST. PROPERTY TO THE NORTH IS UNDEVELOPED AND VACANT. GLENDALE AVE. ON THE SOUTH IS A 24 FEET WIDE TEMPORARY ASPHALT SURFACE, CITY MAINTAINED MINOR STREET WITHOUT SIDEWALK OR CURB AND GUTTER. THE SITE TERRAIN SLOPES FROM EAST TO WEST AT ABOUT 3 TO 8% SLOPES.

THE SITE IS NOT WITHIN OR ADJACENT TO A DESIGNATED FEMA FLOOD HAZARD ZONE. DEVELOPED LOT RUNOFF WILL BE PERMITTED TO DRAIN TO THE STORM WATER QUALITY BMPs. HISTORICAL OUTFALL LOCATIONS WILL REMAIN UNCHANGED WITH DEVELOPMENT. A PORTION OF SITE RUNOFF IS ROUTED THROUGH PROPOSED LANDSCAPING AS POINT RAINFALL INCLDG. ROOF.



FIRM MAP PANEL # 133 H



RTI STUDY - NAA MASTER DRAINAGE PLAN, 1999

CALCULATIONS

DESIGN CRITERIA

HYDROLOGIC METHODS PER CH. 6, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPM) DATED 2020 FOR CITY OF ALBUQUERQUE.
DISCHARGE RATE: $Q = \text{PEAK} \times \text{AREA}$. Peak Discharge Rates For Small Watersheds
VOLUMETRIC DISCHARGE: $\text{VOLUME} = E \times \text{Weighted} \times \text{AREA}$
 $P100 = 2.43 \text{ inches, Zone 3}$ Time of Concentration, $T_C = 12 \text{ Minutes}$
DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR [] = 10 YEAR VALUES

EXISTING CONDITIONS

LOT AREA = 0.88 ACRES, WHERE EXCESS PRECIP. "W" = 0.67 in. [0.18]
PEAK DISCHARGE, $Q100 = 1.62 \text{ CFS [0.45]}$, WHERE UNIT PEAK DISCHARGE = 1.84 CFS/AC. [0.5]
THEREFORE: $\text{VOLUME } 100 = 2140 \text{ CF}$

DEVELOPED CONDITIONS

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

	AREA	LAND TREATMENT	Q_{Peak}	E
UNDEVELOPED	0.46 Ac.(52%)	A	1.84[0.51]	0.67[0.18]
LANDSCAPING/POND	0.18 Ac.(20%)	B	2.49[1.07]	0.86[0.34]
GRAVEL & COMPACTED SOIL	0.13 Ac.(15%)	C	3.17[1.69]	1.09[0.52]
ROOF - PAVEMENT	0.11 Ac.(12%)	D	4.49[2.81]	2.58[1.64]

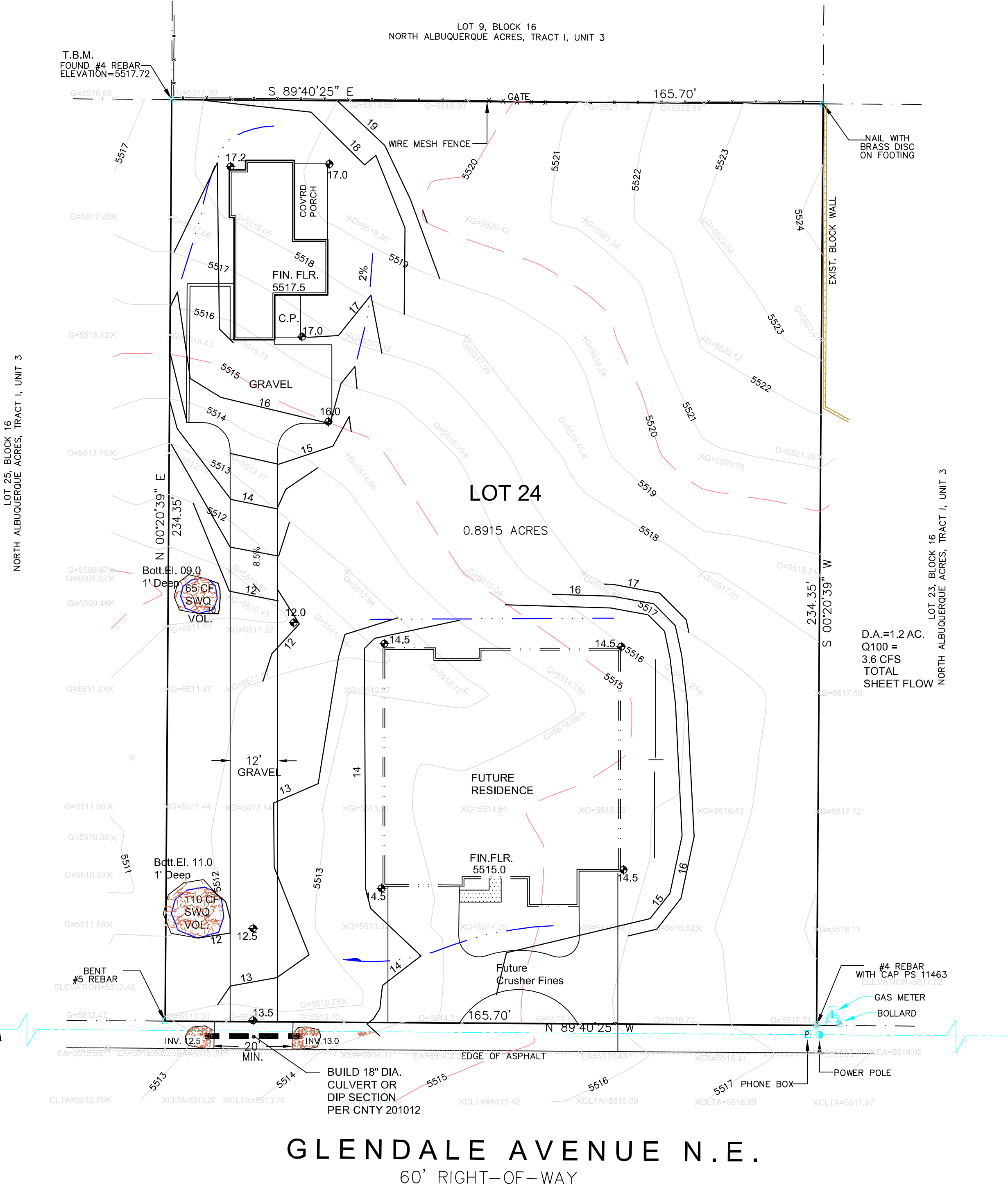
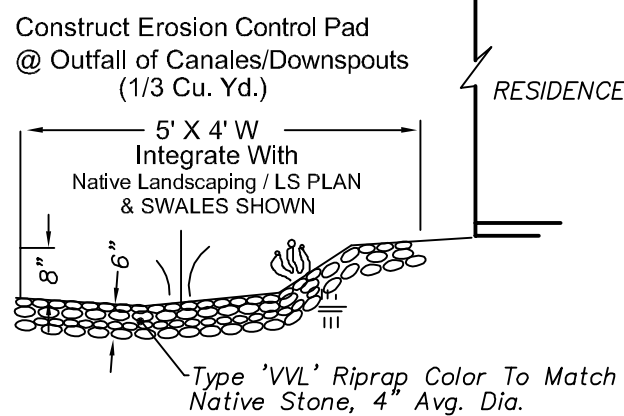
THEREFORE: $E_{\text{Weighted}} = 0.99 \text{ in.}$ &
 $Q100 = 2.2 \text{ CFS}$ &
 $\text{VOLUME } 100 = 3162 \text{ CF}$

$E_W = \text{ALLOWABLE PER RTI} = 1.12 \text{ IN.}$
17% D, 20% B&C LTs, AND 43% A

CHECK SWQ POND VOL., 5000 SF X 0.42"12" = 175 CF

EROSION CONTROL PAD

NO SCALE



GLENDALE AVENUE N.E.
60' RIGHT-OF-WAY

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 W/ UPDATES.
2. AN EXCAVATION/CONSTRUCTION PERMIT IS REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY 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 AND WASHOUT AREAS ENTER THE RIGHT-OF-WAYS DURING CONSTRUCTION. IN ACCORDANCE WITH MS PERMITTING STDs.
6. REVEGETATE ALL AREAS DISTURBED DUE TO CONSTRUCTION PER CITY OF ALBUQ. SPEC. 1011, NATIVE SEED MIX.
7. MAXIMUM SITE GRADING WITHOUT EROSION PROTECTION:
2 HORIZONTAL TO 1 VERTICAL, 2:1. < 3' TALL.

LEGEND

- CENTERLINE OF STREET
- EXIST. EDGE OF ROAD
- EXISTING POWER POLE
- EXISTING CONTOUR
- EXISTING EDGE OF ASPHALT
- NEW CONCRETE
- FACE TO FACE OF CURB
- VVL 4" AVG. DIA. SMOOTH RUN COBBLES / RIPRAP
- NEW CONTOUR
- NEW SWALE
- NEW SPOT ELEVATION
- TOP OF GARDEN WALL
- TOP RETAINING WALL

PROJECT DATA

LEGAL DESCRIPTION:

LOT 24, BLOCK 16, TRACT 1, UNIT 3, NORTH ALBUQUERQUE ACRES, FILED 9/10/31, BK. D-121.


PROJECT BENCHMARK

ACS STATION 7+52.2, AN ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM 7+52.2" LOCATED JUST NORTH OF VENTURA / GLENDALE INTERSECTION ELEVATION 5566.66 (NAVD 88)

TOPOGRAPHIC SURVEY

COMPILED BY CLARK CONSULTING ENGINEERS FROM FIELD TOPOGRAPHIC SURVEYS PERFORMED BY HARRIS SURVEYING, INC. DATED 12/2023.





Clark Consulting Engineers

Edgewood, New Mexico 87015

Tel: (505) 281-2444

DATE	REVISION	LOT 24, BLOCK 16, TRACT 1 UNIT 3, NORTH ALBUQUERQUE ACRES	
		8701 GLENDALE AVE NE	
		Grading & Drainage Plan	
		FOR LIL BUBBAS CONSTRUCTION	
SIGNED BY: PWC	DRAWN BY: CCE	JOB #: Velasquez_Glendale	C1.0
CHECKED BY: PWC	DATE: FEB'24	FILE # GD - LBC	