

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 5, 2025

Ron Hensley
THE Group
300 Branding Iron Rd. SE
Rio Rancho, NM 87124

RE: Travis Residence
13534 Elena Gallegos Pl NE
Grading & Drainage Plan
Engineer's Stamp Date: 07/31/2024
Hydrology File: E23D041
Case # HYDR-2025-00152

Dear Mr. Hensley:

Based upon the information provided in your submittal received 4/29/2025, the Grading & Drainage Plan is **approved** for Building 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.

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, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

Sincerely,

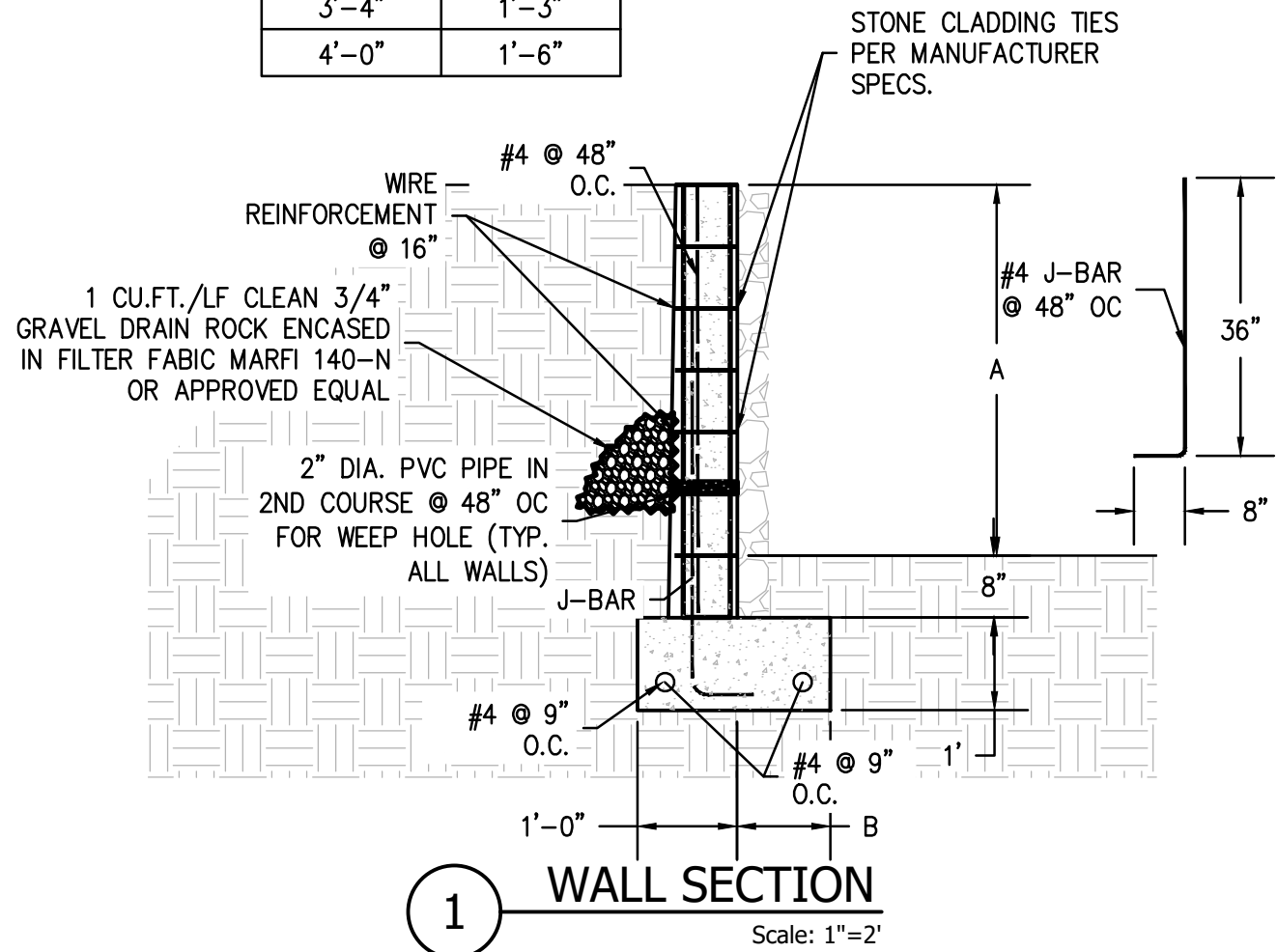
Anthony Montoya, Jr., P.E.
Senior Engineer, Hydrology
Planning Department, Development Review Services

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 5/5/2025
BY: *Carter Hensley*
HydroTrans # E23D041

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUESTING CORRECTIONS FOR ERRORS OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS. SUCH APPROVAL/PLANS/REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.
THE APPROVAL OF THESE PLANS/REPORTS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.

DIMENSION TABLE	
MAX A	B
2'-0"	0'-6"
2'-8"	0'-9"
3'-4"	1'-3"
4'-0"	1'-6"



DRAINAGE INFORMATION

LOCATION & DESCRIPTION

THE PROPOSED SITE IS 0.80 ACRES LOCATED ON ELENA GALLEGOS EAST OF CANADA DEL OSO. AS SEEN ON THE VICINITY MAP.

FLOODPLAIN STATUS

THE CONSTRUCTION OF THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C163H, DATED AUGUST 16, 2012 IS AN AREA OF MINIMAL FLOOD HAZARD ZONE X AND IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN. AN EXHIBIT WITH THE SITE SHOWN ON THE FIRM PANEL IS INCLUDED ON THIS SHEET.

METHODOLOGY

EQUATIONS:

$$\text{WEIGHTED E} = E_a * A_a + E_b * A_b + E_c * A_c + E_d * A_d / (\text{Total Area})$$

$$\text{FLOW} = Q_a * A_a + Q_b * A_b + Q_c * A_c + Q_d * A_d$$

WHERE FOR 100-YEAR, 6-HOUR STORM(ZONE4)

$$\begin{aligned} E_a &= 0.76 & Q_a &= 2.09 \\ E_b &= 0.95 & Q_b &= 2.73 \\ E_c &= 1.20 & Q_c &= 3.41 \\ E_d &= 3.34 & Q_d &= 4.78 \end{aligned}$$

PRECIPITATION

THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 4 AS IDENTIFIED IN THE DEVELOPMENT PROCESS MANUAL, SECTION 6-2.

EXISTING DRAINAGE

THIS SITE IS LOCATED WITHIN DESERT HIGHLANDS UNIT 3. THE DRAINAGE CRITERIA ALLOWS HISTORIC DISCHARGE. GIVING THE AREA OF DISTURBANCE AND POND BASIN AN ALLOWABLE DISCHARGE OF 1.04 CFS

BASIN	AREA (sf)	TREATMENT A % sf	TREATMENT B % sf	TREATMENT C % sf	TREATMENT D % sf	WEIGHTED E	VOLUME (cu.-ft.)	FLOW (cfs)				
ALLOWABLE	21700	100%	21700	0%	0	0%	0	0.7600				
PROPOSED	21700	0%	0	46%	9936	13%	2833	41%	8931	1.9663	3556	1.82

DEVELOPED CONDITION

THIS SITE WILL BE DEVELOPED AS A SINGLE FAMILY HOME WITH DEVELOPED RUNOFF ROUTED TO AN OVERFLOW RETENTION POND WITH A WSEL VOLUME OF 3,044 CU.FT. OR 83% OF THE TOTAL RUNOFF FROM THE BASIN AND ALL OF THE INCREASE IN RUNOFF VOLUME. DISCHARGE OF THE REMAINING RUNOFF FROM THE POND OVERFLOWS RIM AND DISCHARGES THE HISTORIC FLOW RATE OR LESS. THE AREAS OUTSIDE OF THE POND BASIN WILL RUNOFF VIA HISTORIC PATTERNS AND RATES.

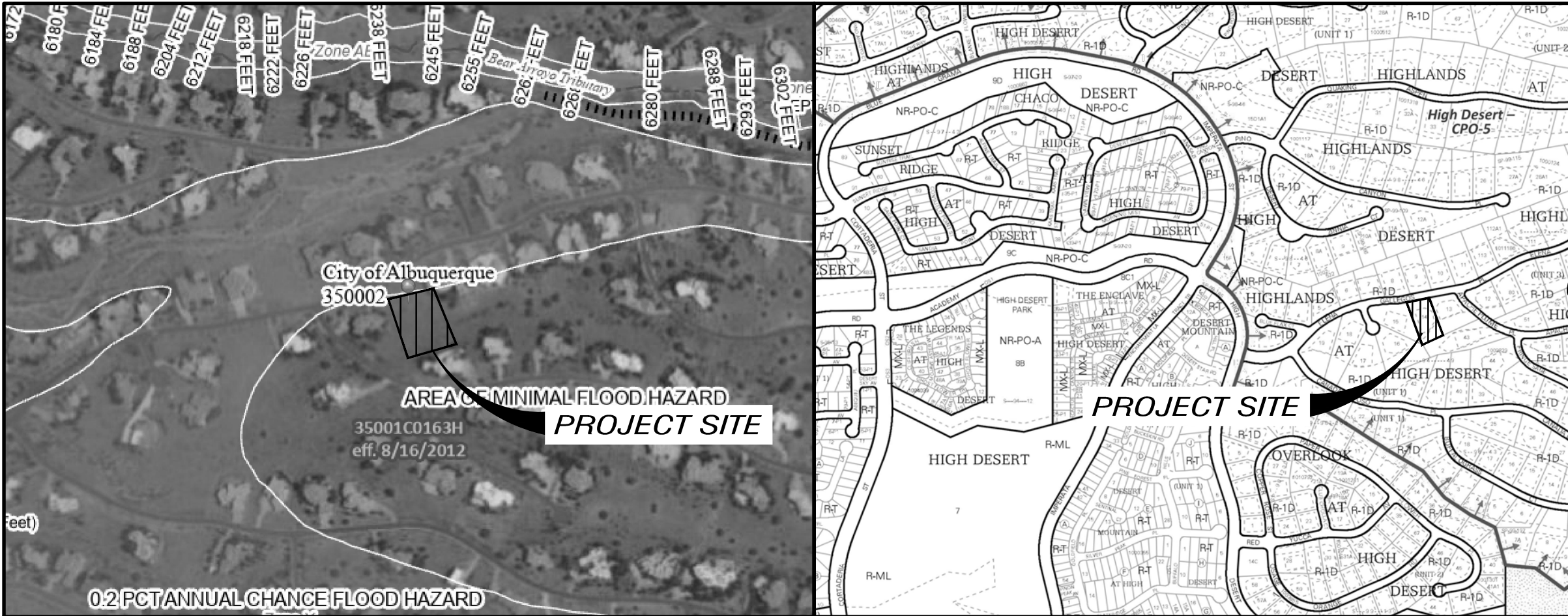
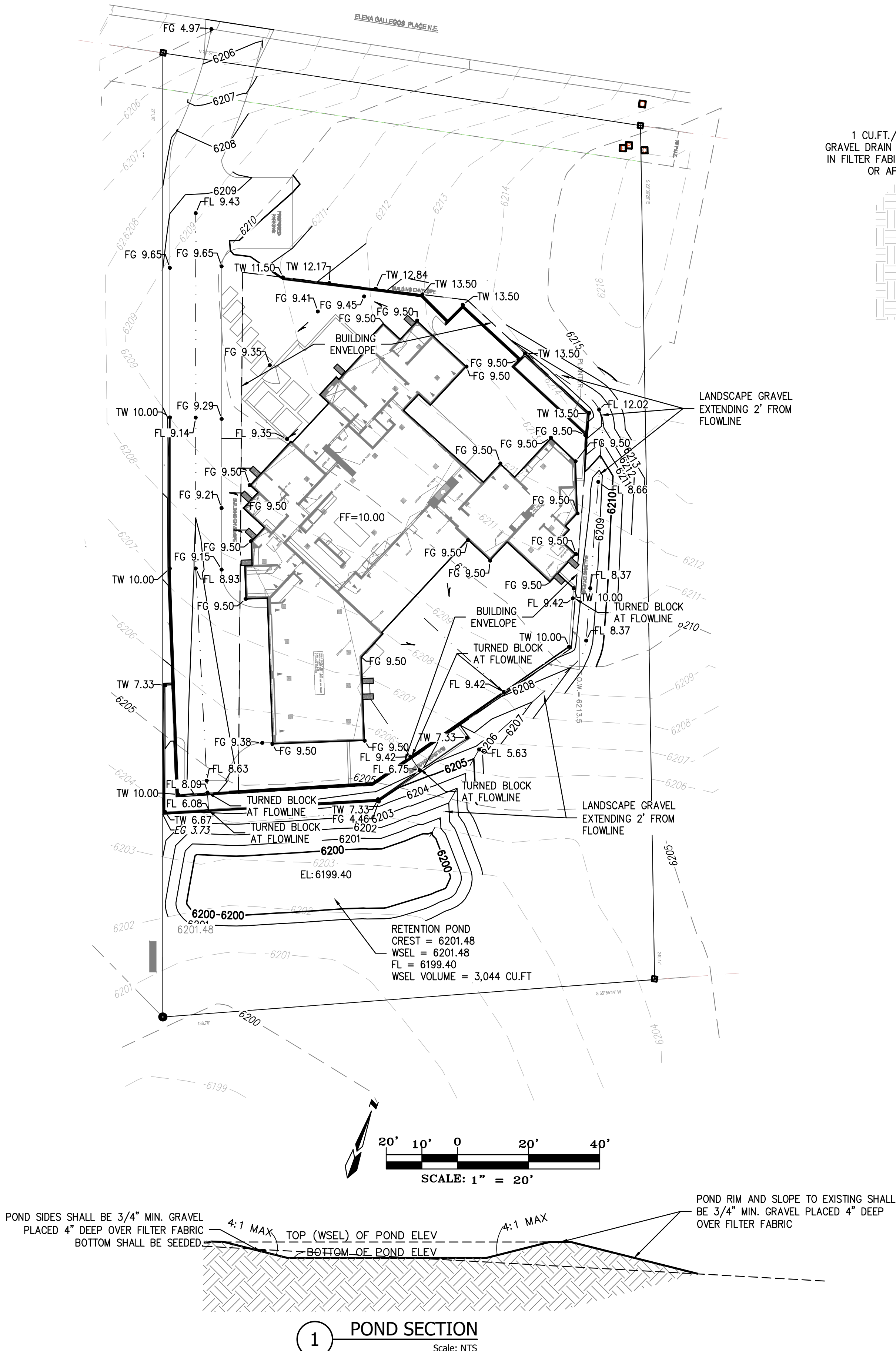
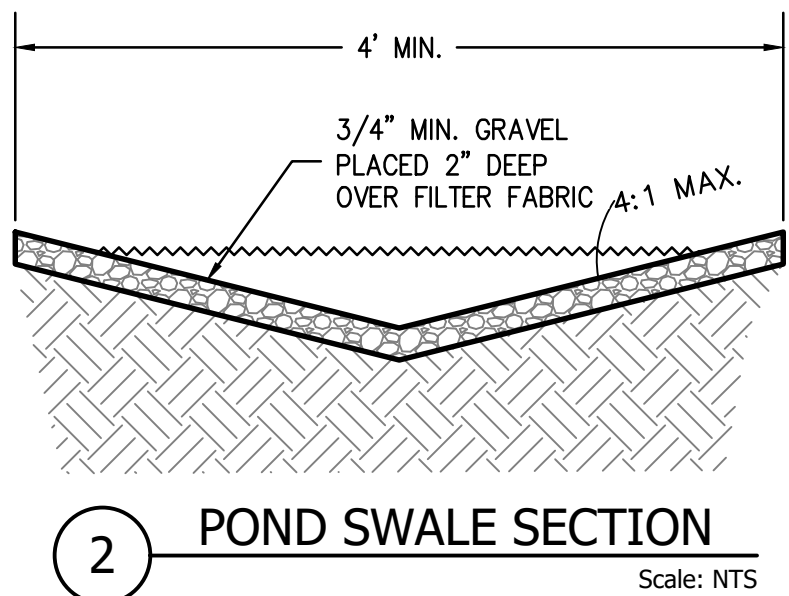
REQUIRED WATER QUALITY VOLUME

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.

IMPERVIOUS AREA = 9,912 SQ.FT.

REQUIRED VOLUME = 9,912 * 0.42/12 = 347 CU.FT.
VOLUME PROVIDED = 3,044 CU.FT.



CONTRACTOR NOTES:

- 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 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 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.
- THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
- ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEED WITH HIGH DESERT SEED MIX.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.

GENERAL NOTES

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 THEREFOR. 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, OR OTHERWISE.

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 THE GROUP. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

BENCHMARK

ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION "3-E23", HAVING AN ELEVATION OF 6009.651 NAVD 1988

LEGEND

- FLOW ARROW
- SLOPE ARROW
- PROPOSED ELEVATION
- EXISTING ELEVATION
- GRADE BREAK
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED EASEMENT
- EXISTING WALL
- PROPOSED WALL
- SWALE / FLOW LINE
- SPLASH PAD



THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD. SE
RIO RANCHO, NEW MEXICO 87124
Phone: (505) 410-1622

RON E. HENSLEY
NEW MEXICO
21850
Professional Engineer
JULY 31 2024

1. THIS SET OF DRAWINGS CONSTITUTES A WHOLE. IF THE SOLE CONTRACTOR INVOLVED IN THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAWINGS AS SUCH. EACH SHEET OF THE DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR TO ENSURE THAT THE DRAWINGS ARE IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.
2. DUE TO POTENTIAL INCONSISTENCIES DURING PLAN INCORPORATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAWINGS TO VERIFY OR OBTAIN DIMENSIONS IF NOT RECOMMENDED.

PROJECT ADDRESS:
13534 ELENA GALLEGOS PL. N.E.
ALBUQUERQUE, NM

CURTIS NAME

DRAWING NAME:
GRADING & DRAINAGE PLAN

PROJECT NAME:
TRAVIS RESIDENCE

PROJECT NUMBER:
BLDG. PERMIT

DRAWN BY:
REH

CHECKED BY:
REH / REH

DATE:
MARCH 22, 2022

SCALE:
AS NOTED

SHEET:
C 2