

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

July 27, 2021

Levi J. Valdez, PE  
George T Rodriguez-Development Consultant  
12800 San Juan Rd. SE  
Albuquerque, NM 87123

**RE: 13500 Trail Vista Court NE**  
**Grading and Drainage Plan**  
**Engineer's Stamp Date: 07/08/21**  
**Hydrology File: F23D010D**

Dear Mr. Valdez:

Based upon the information provided in your submittal received 07/12/2021, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this project appears to have stem walls, 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. Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

Please note that prior to Hydrology's approval for C.O., an approval letter for Building Permit from the HOA's engineer (BHI) will need to be submitted to Hydrology for our records. Also if the Grading and Drainage Plan changes for any reason due to the HOA's request, a Revised Grading & Drainage Plan will have to be submitted to Hydrology for approval.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

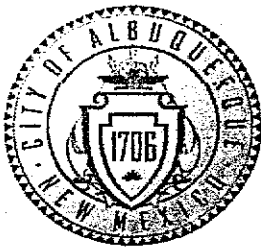
Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

**Project Title:** 13500 TRAIL VISTA COURT N.E. **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 12-A, PLAT OF LOTS 1-A THRU 27-A, WILDERNESS ESTATES @ HIGH DESERT  
**City Address:** 13500 TRAIL VISTA COURT N.E.

**Applicant:** LEVI J. VALDEZ, P.E. GEORGE T. RODRIGUEZ - DEVELOPMENT CONSULTANT **Contact:** LEVI VALDEZ GEORGE RODRIGUEZ  
**Address:** 12800 SAN JUAN N.E., ALBUQUERQUE, NEW MEXICO 87123  
**Phone#:** 505-610-0593 **Fax#:** \_\_\_\_\_ **E-mail:** paurod@hotmail.com  
**Owner:** CONTRACTOR: PWKI, LLC **Contact:** PAUL KINDERDINE  
**Address:** 7 BOSQUE ROAD, ALGODONES, NEW MEXICO 87001  
**Phone#:** 505-867-1765 **E-mail:** paulkinderdine-inc@gmail.com

**TYPE OF SUBMITTAL:** \_\_\_\_\_ **PLAT** (\_\_\_\_ # OF LOTS) \_\_\_\_\_ **RESIDENCE** \_\_\_\_\_ **DRB SITE** ☒ **ADMIN SITE**

**IS THIS A RESUBMITTAL?:** \_\_\_\_\_ **Yes** ☒ **No**

**DEPARTMENT:** \_\_\_\_\_ **TRAFFIC/TRANSPORTATION** ☒ **HYDROLOGY/DRAINAGE**

Check all that Apply:

### TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
- ☐ PAD CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
- ☒ GRADING PLAN
- ☐ DRAINAGE MASTER PLAN
- ☒ DRAINAGE REPORT
- ☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ☐ ELEVATION CERTIFICATE
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ OTHER (SPECIFY) \_\_\_\_\_
- ☐ PRE-DESIGN MEETING?

### TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☒ 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) \_\_\_\_\_

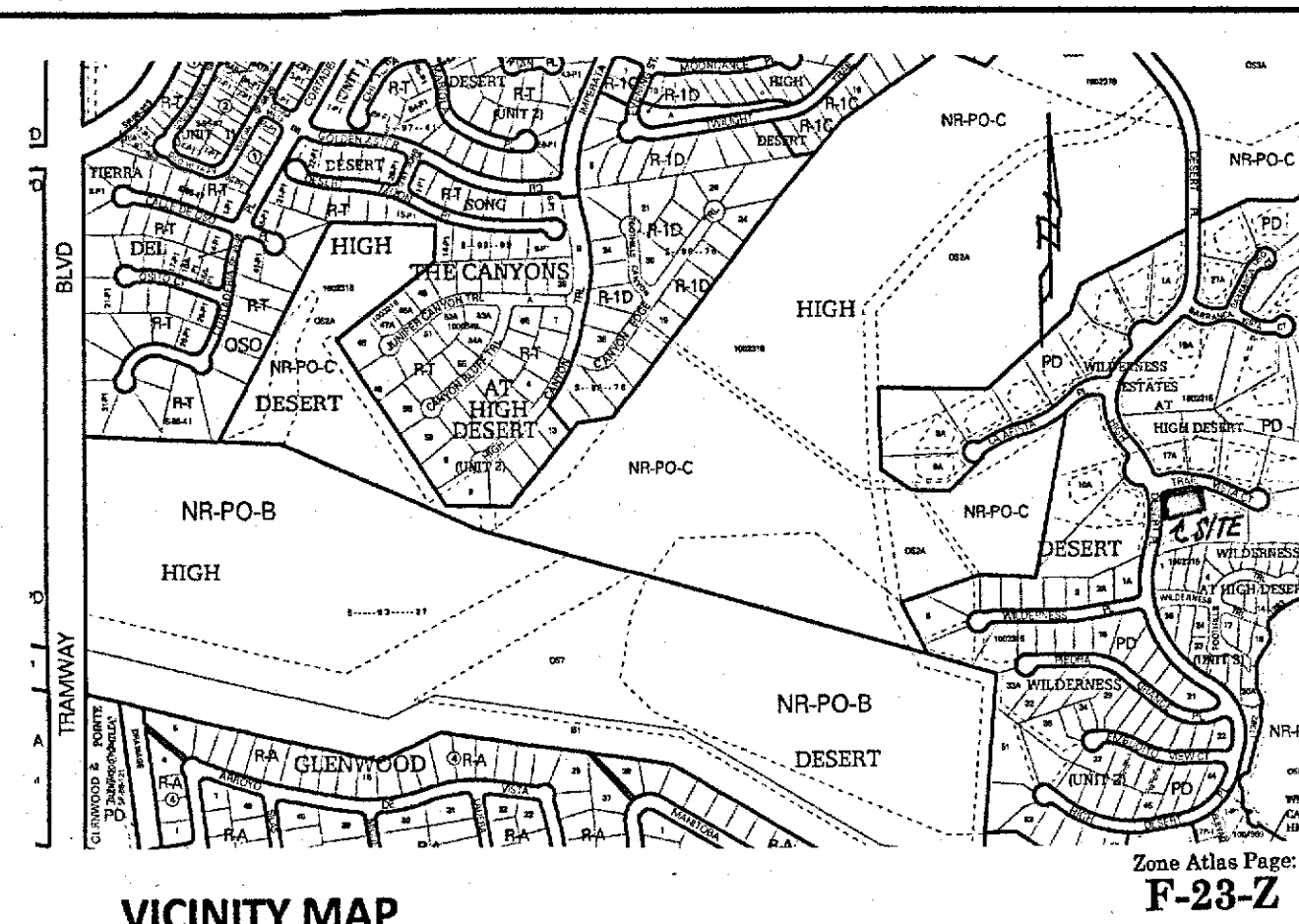
**DATE SUBMITTED:** 07-12-2021 **By:** GEORGE T. RODRIGUEZ

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_





VICINITY MAP

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF HIGH DESERT PLACE N.E. AND TRAIL VISTA COURT N.E. (WILDERNESS ESTATES AT HIGH DESERT), IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS "F-23-Z").

THE SUBJECT SITE IS AN UNDEVELOPED PROPERTY THAT IS TO HAVE A SINGLE FAMILY RESIDENCE AND ASSOCIATED IMPROVEMENTS CONSTRUCTED THEREON. THIS GRADING AND DRAINAGE PLAN WAS PREPARED TO SUPPORT A BUILDING PERMIT APPLICATION FOR THE ADDRESS OF 13500 TRAIL VISTA COURT N.E.

THE SUBJECT SITE, 1.1 HAS A DESIGNATED 0.28 ACRE BUILDING ENVELOPE THAT IS WITHIN ZONE "X" (AREAS PROTECTED FROM THE 1% ANNUAL CHANCE FLOOD; REFERENCE F.E.M.A. PANEL # 35001C0163H, EFFECTIVE 08-16-2012). 2.) DOES ACCEPT MINIMAL HISTORIC OFFSITE FLOWS FROM THE PROPERTY EAST OF AND ADJACENT TO THIS SUBJECT SITE, THESE FLOWS WILL CONTINUE TO BE ACCEPTED AND PASSED THROUGH, 3.) DOES CONTRIBUTE HISTORIC FLOWS TO THE PROPERTY TO THE WEST OF AND ADJACENT TO HIGH DESERT PLACE N.E. (THESE FLOWS ARE ROUTED THROUGH TWO STORM DRAINAGE CULVERTS UNDER HIGH DESERT PLACE N.E. AND ARE GENERATED WITHIN A DRAINAGE EASEMENT FOR THE BEAR ARROYO WITHIN SAID SUBJECT SITE), 4.) PROPOSED PLAN IS TO DETAIN THE VOLUME DIFFERENCE BETWEEN THE HISTORIC AND PROPOSED IN THE 100-YR./6 HR. STORM EVENT.

PER THE DEVELOPMENT PROCESS MANUAL FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, HYDROLOGY, CHAPTER 6, ARTICLE 6-2(a), EFFECTIVE DATE: JUNE 8, 2020.

SITE AREA = 1.60 ACRE (TOTAL)

DESIGNATED BUILDING ENVELOPE = 0.28 ACRE PLUS DRIVEWAY AREA OF 0.04 AC. = 0.32 AC. PROPOSED DETENTION PONDING IS CALCULATED FOR THE 0.32 ACRE AREA ONLY, THE REMAINING LOT AREA WILL REMAIN IN ITS EXISTING CONDITION AND CONTINUE FLOWS IN THE "HISTORICAL PATH" AND TO THE AFOREMENTIONED STORM DRAINAGE CULVERTS.

PRECIPITATION ZONE: FOUR (4)  
"LAND TREATMENT METHOD" FOR CALCULATION OF "Q<sub>P</sub>"

PRECIPITATION: 100-YR./6 HR. = 2.64 IN.

EXCESS PRECIPITATION: PEAK DISCHARGE:

TREATMENT A	0.76 IN.	2.09 CFS/AC.
TREATMENT B	0.95 IN.	2.73 CFS/AC.
TREATMENT C	1.20 IN.	3.41 CFS/AC.
TREATMENT D	3.34 IN.	4.78 CFS/AC.

EXISTING CONDITIONS: PROPOSED CONDITIONS:

	AREA	AREA
TREATMENT A	0.17 AC.	0.00 AC.
TREATMENT B	0.15 AC.	0.01 AC.
TREATMENT C	0.00 AC.	0.14 AC.
TREATMENT D	0.00 AC.	0.17 AC.

EXISTING EXCESS PRECIPITATION:

WEIGHTED "E" = (0.76 X 0.17) + (0.95 X 0.15) + (1.20 X 0.00) + (3.34 X 0.00) / 0.32 = 0.85 IN.  
V100-360 = (0.85 X 0.32) / 12 = 0.02267 AC. FT. = 988.0 CU. FT.

EXISTING PEAK DISCHARGE:

Q100 = (2.09 X 0.17) + (2.73 X 0.15) + (3.41 X 0.00) + (4.78 X 0.00) = 0.77 CFS

PROPOSED EXCESS PRECIPITATION:

WEIGHTED "E" = (0.76 X 0.00) + (0.95 X 0.01) + (1.20 X 0.14) + (3.34 X 0.17) / 0.32 = 2.33 IN.  
V100-360 = (2.33 X 0.32) / 12 = 0.062130 AC. FT. = 2,706.4 CU. FT.

\*\* REQUIRED VOLUME TO BE DETAINED: 2,706.4 CU. FT. - 988.0 CU. FT. = 1,718.4 CU. FT.

PROPOSED PEAK DISCHARGE:

Q100 = (2.09 X 0.00) + (2.73 X 0.01) + (3.41 X 0.14) + (4.78 X 0.17) = 1.32 CFS

DETENTION POND VOLUME CALCULATIONS:

BASIN "A" / POND "A": REQUIRED VOLUME = 806.0 CU. FT.

PROVIDED VOLUME = 500.0 SQ. FT. X 2.0' DEPTH = 1,000.0 CU. FT.

1,000.0 CU. FT. > 806.0 CU. FT.

BASIN "B" / POND "B": REQUIRED VOLUME = 913.0 CU. FT.

PROVIDED VOLUME = 1,365.0 CU. FT.

1,365.0 CU. FT. > 913.0 CU. FT.

TOTAL REQUIRED VOLUME = 1,718.4 CU. FT.

TOTAL PROVIDED VOLUME = 2,365.0 CU. FT.

AREA: 0.32 AC. = 1,718.4 CU. FT.

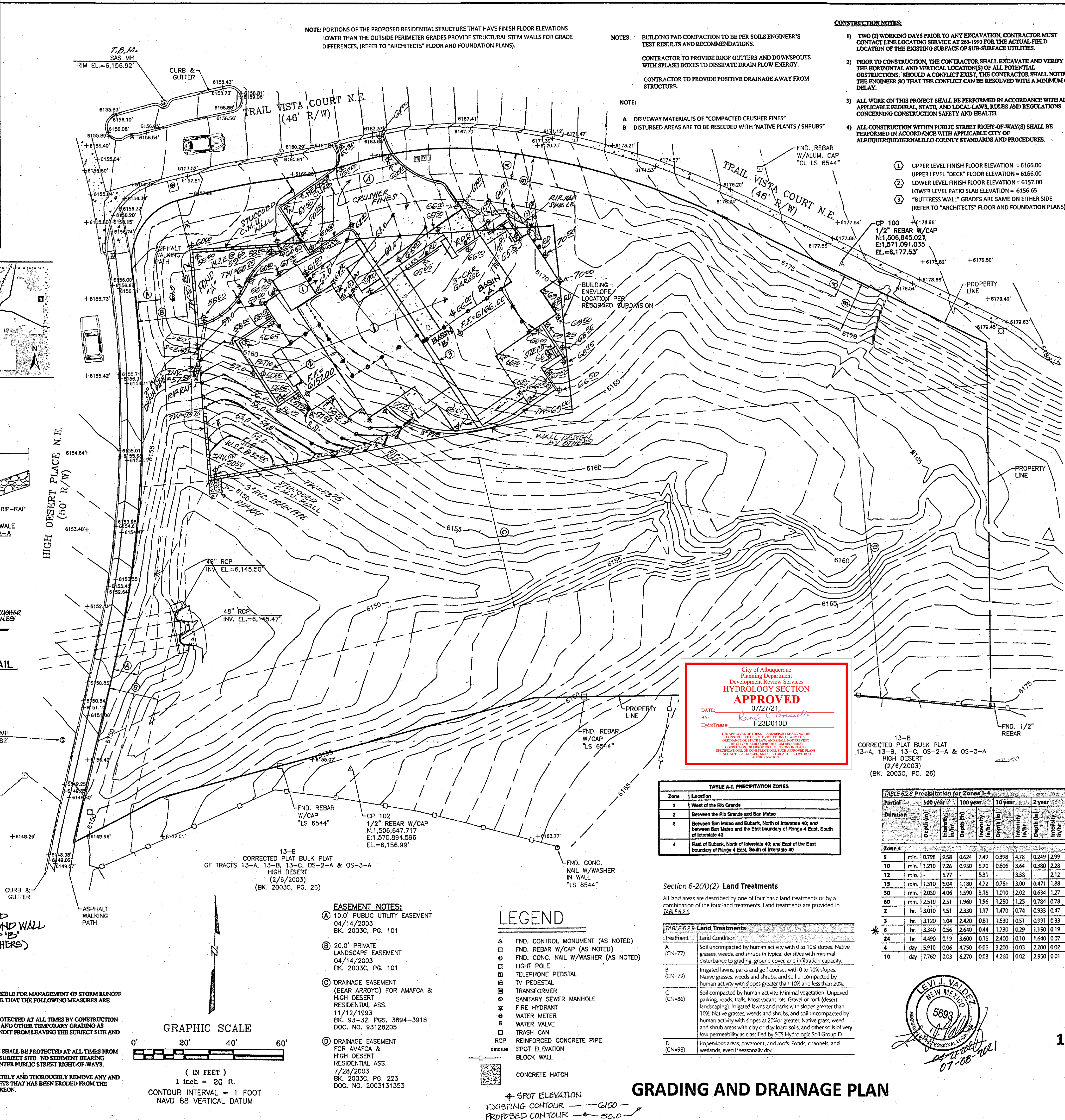
BASIN "A" = 0.15 AC. = 806.0 CU. FT.

BASIN "B" = 0.17 AC. = 913.0 CU. FT.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION. HE SHALL ENSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

GEORGE T. RODRIGUEZ  
LAND USE, DEVELOPMENT AND  
REDEVELOPMENT CONSULTANT  
LEVI L. VALDEZ, P.E.  
12800 SAN JUAN, N.E.  
ALBUQUERQUE, NEW MEXICO 87123  
(505)610-0593



NOTE: PORTIONS OF THE PROPOSED RESIDENTIAL STRUCTURE THAT HAVE FINISH FLOOR ELEVATIONS LOWER THAN THE OUTSIDE PERIMETER GRADES PROVIDE STRUCTURAL STEM WALLS FOR GRADE DIFFERENCES. (REFER TO "ARCHITECT'S" FLOOR AND FOUNDATION PLANS).

NOTES:  
BUILDING PAD COMPACTION TO BE PER SOILS ENGINEER'S TEST RESULTS AND RECOMMENDATIONS.  
CONTRACTOR TO PROVIDE ROOF GUTTERS AND DOWNSPOUTS WITH SPLASH BOXES TO DISSIPATE DRAIN FLOW ENERGY.  
CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURE.

NOTE:  
A DRIVEWAY MATERIAL IS OF "COMPACTED CRUSHER FINES"  
B DISTURBED AREAS ARE TO BE RESEED WITH "NATIVE PLANTS / SHRUBS"

CONSTRUCTION NOTES:  
1) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OF SUB-SURFACE UTILITIES.  
2) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION(S) OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.  
3) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.  
4) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

- UPPER LEVEL FINISH FLOOR ELEVATION = 6166.00  
UPPER LEVEL "DECK" FLOOR ELEVATION = 6166.00
- LOWER LEVEL FINISH FLOOR ELEVATION = 6157.00  
LOWER LEVEL PATIO SLAB ELEVATION = 6156.65
- "BUTTRESS WALL" GRADES ARE SAME ON EITHER SIDE (REFER TO "ARCHITECT'S" FLOOR AND FOUNDATION PLANS)

CP 100 REBAR W/CAP  
N:1,506,845.027  
E:1,571,091.035  
EL.=6,177.53'

PROPERTY DESCRIPTION  
LOT 12-A, PLAT OF LOTS 1-A THRU 27-A, WILDERNESS ESTATES AT HIGH DESERT FILED JULY 28, 2003 IN BOOK 2003C, PAGE 229 WITH THE BERNALILLO COUNTY CLERK'S OFFICE.

PROJECT LOCATION  
13500 TRAIL VISTA COURT N.E., ALBUQUERQUE, NEW MEXICO

SURVEY INFORMATION  
TOPOGRAPHIC SURVEY PERFORMED AND COMPILED BY TERRA LAND SURVEYS, LLC. CORRALES, NEW MEXICO FEBRUARY 2021.

PROJECT BENCHMARK  
PROJECT BENCHMARK IS CITY OF ALBUQUERQUE CONTROL MONUMENT "26-F23" A 1 3/4" ALUMINUM DISK SET ON THE TOP OF A GRANITE BOULDER. ELEVATION = 6,205.53 FEET (NAVD 1988 VERTICAL DATUM).

TEMPORARY BENCHMARK  
PROJECT BENCHMARK IS CP 100 BEING A TERRA LAND SURVEY 1/2" REBAR WITH PLASTIC CAP STAMPED "TERRA CONTROL" ELEVATION = 6,177.53 FEET (NAVD 1988 VERTICAL DATUM).

NOTES  
1. FIELD SURVEY PERFORMED IN FEBRUARY 2021.

2. TOPOGRAPHIC SURVEY WAS COMPILED UTILIZING GROUND COORDINATES REFERENCED TO NAD 1983 NEW MEXICO CENTRAL ZONE. PRIMARY HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED UTILIZING GPS RTK METHODS. COMBINED GROUND TO GRID FACTOR IS 1.00038918/0.69681331 SCALED AROUND CP 100 N:1,506,845.027, E:1,571,091.035, ELEV.=6,177.53'.

3. ELEVATIONS SHOWN FOR PIPES ARE INVERT ELEVATIONS UNLESS OTHERWISE SPECIFIED.

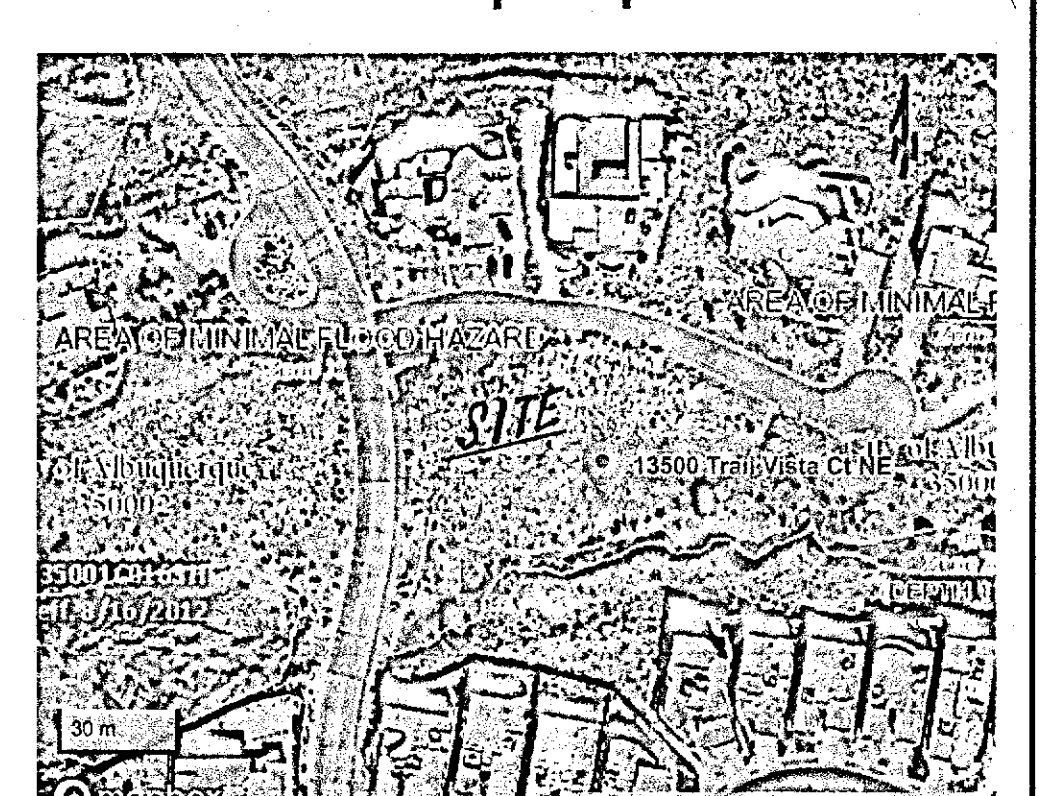
4. CONTOURS SHOWN HEREON ARE AT A ONE FOOT INTERVAL REFERENCED TO THE NAVD 88 VERTICAL DATUM.

5. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL OF THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

6. PIPE SIZES AND MATERIAL TYPES FOR MANHOLES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEYS, VISUAL INSPECTIONS AND EXISTING DRAINAGE INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE PIPE SIZES AND MATERIAL TYPES ARE EXACT BUT DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

7. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE PER THE RECORDED SUBDIVISION PLAT AND ARE SHOWN FOR ORIENTATION ONLY.

## FEMA Flood Map Report



PROPERTY LOCATED AT: 13500 Trail Vista Ct NE, Albuquerque, NM 87111

FEMA FLOOD ZONE: X, AREA OF MINIMAL FLOOD HAZARD

F.E.M.A. FLOOD MAP NO. 35001C0163H

EFFECTIVE DATE: 08/16/2012

City of Albuquerque  
Planning Department  
Development Review Services  
HYDROLOGY SECTION  
APPROVED  
DATE: 07/27/21  
BY: *Levi L. Valdez*  
F23D010D  
HydroTens  
THE APPROVAL OF THIS LANDSCAPE PLAN SHALL NOT BE CONSIDERED AN ENDORSEMENT OR GUARANTEE BY THE CITY OF ALBUQUERQUE. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY THAT MAY RESULT FROM THE USE OF THIS PLAN. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY THAT MAY RESULT FROM THE USE OF THIS PLAN.

Zone	Location
1	West of Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40

### Section 6-2(A)(2) Land Treatments

All land areas are described by one of four basic land treatments or by a combination of the four land treatments. Land treatments are provided in TABLE 6-2B.

Treatment	Land Condition
A (CN-77)	Soil uncompacted by human activity with 0 to 10% slopes. Native grasses, weeds, and shrubs in typical densities with minimal disturbance to grading, ground cover, and infiltration capacity.
B (CN-79)	Irrigated lawns, parks and golf courses with 0 to 10% slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10% and less than 20%.
C (CN-86)	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock (desert landscaping). Irrigated lawns and parks with slopes greater than 10%. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20% or greater. Native grass, weed and shrub areas with clay or clay loam soils, and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
D (CN-98)	Impervious areas, pavement, and roofs. Ponds, channels, and wetlands, even if seasonally dry.

Partial	500 year	100 year	10 year	2 year
Duration				
Depth (in)				
Intensity (in/hr)				
Frequency (1/yr)				
Intensity (in/hr)				

Zone 4	min.	0.798	0.58	0.624	7.49	0.398	4.78	0.249	2.99
5	min.	1.210	7.26	0.950	5.70	0.806	3.64	0.380	2.28
10	min.	1.577	5.77	1.531	5.31	1.338	3.38	1.212	2.12
15	min.	1.504	1.504	1.189	4.72	0.751	3.00	0.471	1.89
30	min.	2.020	4.06	1.590	3.16	1.010	2.02	0.624	1.27
60	min.	2.510	2.51	1.960	1.96	1.250	1.25	0.784	0.78
2	hr.	3.010	1.51	2.330	1.17	1.470	0.74	0.933	0.47
3	hr.	3.120	1.04	2.420	0.81	1.530	0.51	0.991	0.33
6	hr.	3.340	0.56	2.640	0.44	1.730	0.29	1.150	0.19
24	hr.	4.490	0.19	3.600	0.15	2.400	0.10	1.640	0.07
4	day	5.910	0.06	4.750	0.05	3.200	0.03	2.200	0.02
10	day	7.760	0.03	6.270	0.03	4.260	0.02	2.950	0.01

LEVI L. VALDEZ  
NEW MEXICO  
5693  
Professional Engineer  
07-08-2021

Zone	A	B	C	D
100-YEAR EXCESS PARTICIPATION: E (IN)				
1	0.55	0.73	0.95	2.24
2	0.62	0.80	1.03	2.33
3	0.67	0.86	1.09	2.58
4	0.76	0.95	1.20	3.34

Zone	A	B	C	D
100-YEAR PEAK DISCHARGE (CFS/ACRE)				
1	1.54	2.16	2.87	4.12
2	1.71	2.36	3.05	4.34
3	1.84	2.49	3.17	4.49
4	2.09	2.73	3.41	4.78

A PROPOSED PLAN  
FOR  
13500 TRAIL VISTA COURT N.E.  
ALBUQUERQUE, BERNALILLO COUNTY  
NEW MEXICO  
APRIL, 2021



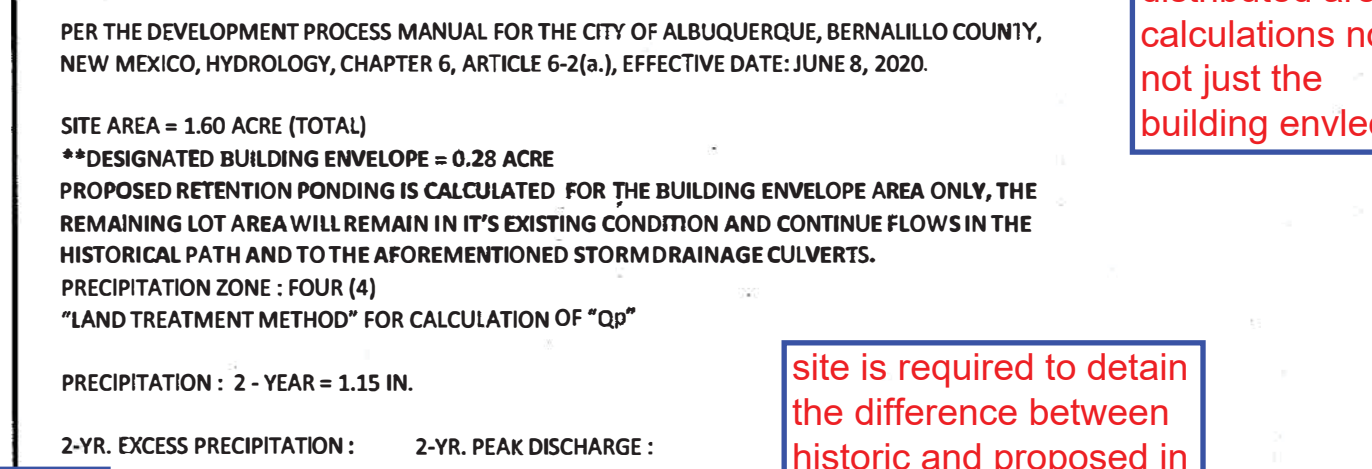
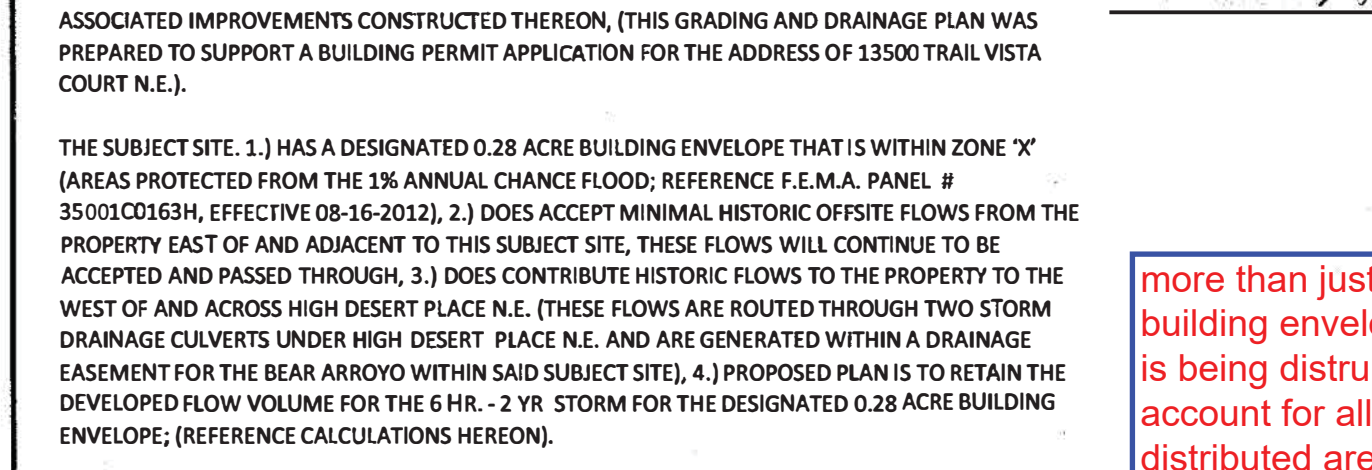
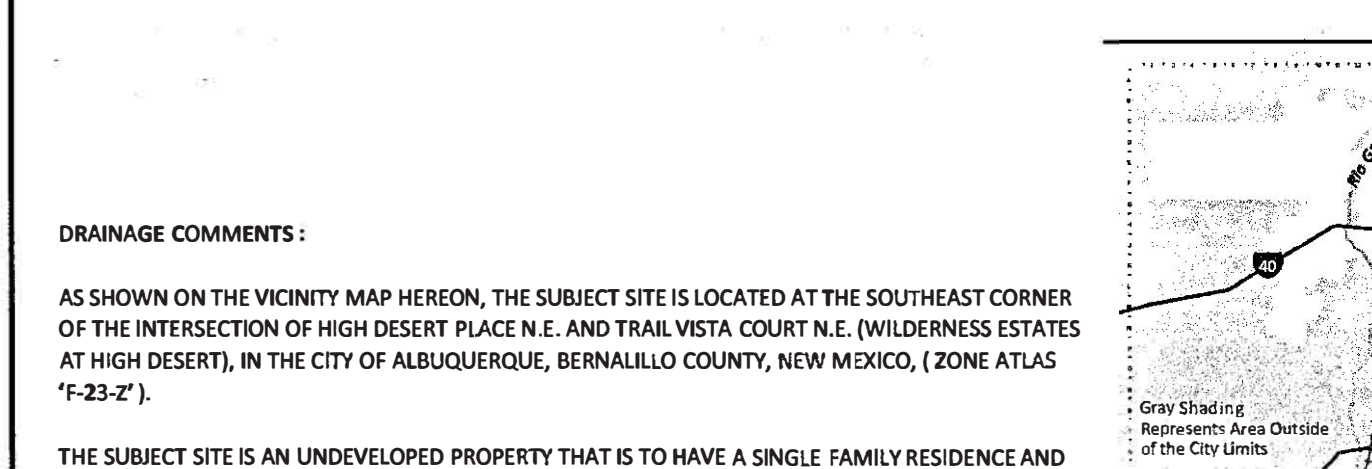
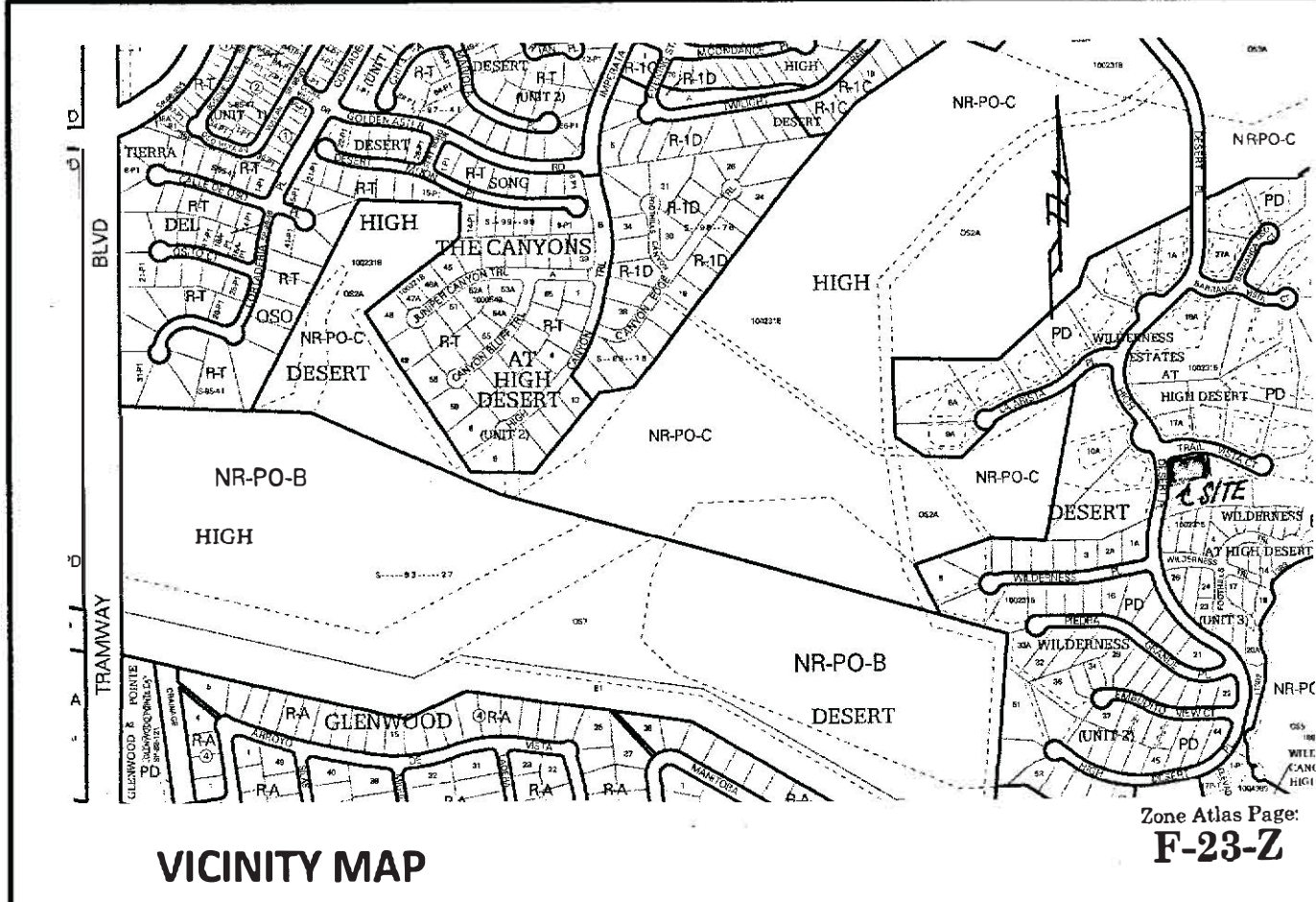
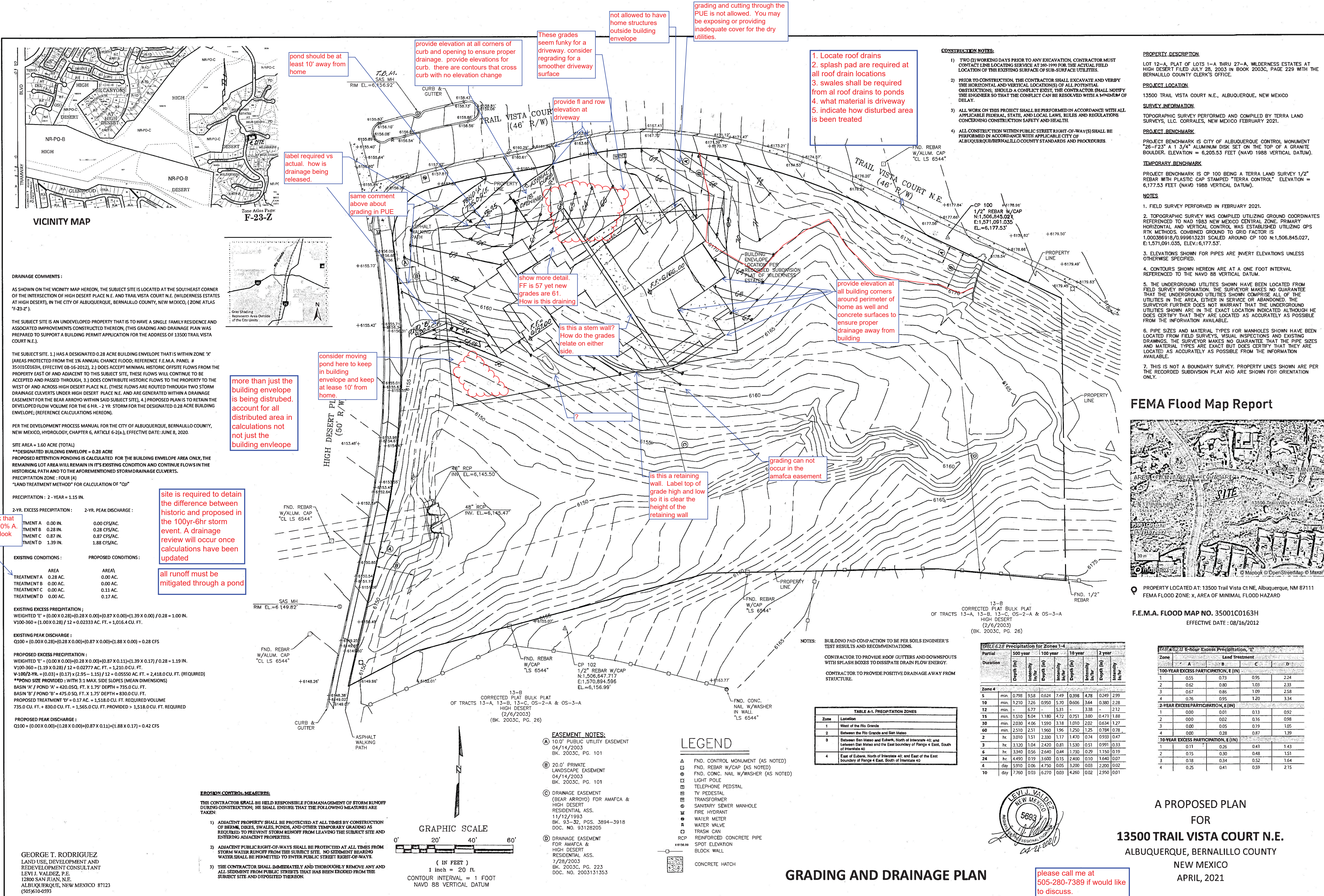


TABLE A-1. PRECIPITATION ZONES

Zone	Location
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Plange 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40; and East of the East boundary of Plange 4 East, South of Interstate 40

TABLE B-2B. Precipitation for Zones 1-4

Duration	500 year	100 year	10 year	2 year
1	0.78	0.73	0.58	0.47
2	0.78	0.73	0.58	0.47
3	0.78	0.73	0.58	0.47
4	0.78	0.73	0.58	0.47

TABLE B-2B. 6-hour Excess Precipitation, "E"

Zone	A	B	C	D
1	0.55	0.73	0.95	2.24
2	0.62	0.80	1.03	2.33
3	0.67	0.86	1.09	2.58
4	0.76	0.95	1.20	3.34

TABLE B-2B. 10-year Excess Precipitation, "E" (in)

Zone	A	B	C	D
1	0.11	0.25	0.49	1.43
2	0.15	0.30	0.48	1.51
3	0.18	0.34	0.52	1.64
4	0.25	0.41	0.59	2.15

GEORGE T. RODRIGUEZ  
LAND USE, DEVELOPMENT AND  
REDEVELOPMENT CONSULTANT  
LEVI J. VALDEZ, P.E.  
12800 SAN JUAN, N.E.  
ALBUQUERQUE, NEW MEXICO 87123  
(505)610-0593

pond should be at least 10' away from home

provide elevation at all corners of curb and opening to ensure proper drainage. provide elevations for curb. there are contours that cross curb with no elevation change

These grades seem funky for a driveway. consider regrading for a smoother driveway surface

not allowed to have home structures outside building envelope

grading and cutting through the PUE is not allowed. You may be exposing or providing inadequate cover for the dry utilities.

1. Locate roof drains  
2. splash pad are required at all roof drain locations  
3. swales shall be required from all roof drains to ponds  
4. what material is driveway  
5. indicate how disturbed area is been treated

label required vs actual. how is drainage being released.

same comment above about grading in PUE

show more detail. FF is 57 yet new grades are 61. How is this draining

provide elevation at all building corners around perimeter of home as well and concrete surfaces to ensure proper drainage away from building

is this a stem wall? How do the grades relate on either side.

grading can not occur in the amafca easement

is this a retaining wall. Label top of grade high and low so it is clear the height of the retaining wall

consider moving pond here to keep in building envelope and keep at least 10' from home.

more than just the building envelope is being disturbed. account for all distributed area in calculations not just the building envelope

site is required to detain the difference between historic and proposed in the 100yr-6hr storm event. A drainage review will occur once calculations have been updated

all runoff must be mitigated through a pond

double check that existing is 100% A. Some areas look steeper

provide elevation at all corners of curb and opening to ensure proper drainage. provide elevations for curb. there are contours that cross curb with no elevation change

These grades seem funky for a driveway. consider regrading for a smoother driveway surface

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grading and cutting through the PUE is not allowed. You may be exposing or providing inadequate cover for the dry utilities.

1. Locate roof drains  
2. splash pad are required at all roof drain locations  
3. swales shall be required from all roof drains to ponds  
4. what material is driveway  
5. indicate how disturbed area is been treated

label required vs actual. how is drainage being released.

same comment above about grading in PUE

show more detail. FF is 57 yet new grades are 61. How is this draining

provide elevation at all building corners around perimeter of home as well and concrete surfaces to ensure proper drainage away from building

is this a stem wall? How do the grades relate on either side.

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is this a retaining wall. Label top of grade high and low so it is clear the height of the retaining wall

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site is required to detain the difference between historic and proposed in the 100yr-6hr storm event. A drainage review will occur once calculations have been updated

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# GRADING AND DRAINAGE PLAN

please call me at  
505-280-7389 if you would like  
to discuss.

A PROPOSED PLAN  
FOR  
13500 TRAIL VISTA COURT N.E.  
ALBUQUERQUE, BERNALILLO COUNTY  
NEW MEXICO  
APRIL, 2021