

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

March 24, 2020

Paul E. McGinnis, P.E.
McGinnis & Associates, LLC
PO Box 92606
Albuquerque, New Mexico 87120

RE: **Lot 1 Block 2 SAD 228
8024 Canoncito Dr. NW
Volcano Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date 11/8/19 (D10D003C1)
Pad Certification Date; 1/14/2020**

Mr. McGinnis,

PO Box 1293

Based upon the information provided in your submittal received 3/23/20, this plan is approved for Building Permit.

Albuquerque

Inform your client that a separate wall permit is required and this is the plan which should be used for a site plan.

NM 87103

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist of this plan will be required.

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

www.cabq.gov

Sincerely,

Ernest Armijo, P.E.
Principal Engineer, Hydrology
Planning Department

RR/EA
C: File D10D003C1



Field Density Test Report

CA2 Project No.: 0150
Report No.: ND:20-0080

Client: Homes by Rafael
2408 Venetian Way SW
Albuquerque, NM 87105

Project: 8024 Canoncito Drive NW
Project No.:

Reviewed By:

CC:

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AASHTO
ACCREDITED

Submitted By:

Abe Sandoval

Lab Manager - Technical Services/Estimating

Testing Details

Tested By: Jonathan Marquez
Date Tested: 1/15/2020
Field Methods: ASTM D 6938
Gauge Type: CPN MC-3
Model Number: MC3Elite
Serial Number: 9661
Test Mode: Direct Transmission
Standard Count: Density: 24760
Standard Count: Moisture: 9368

Proctor Information

Sample ID	Material	Method	MDD (lb/ft ³)	OWC (%)
20-0080-S05	Native Fill	ASTM D 1557 (A)	121.8	9.4

Test Results

Test No.	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	20-0080-S05	8	123.7	6.6	-2.8	116.0	95	≥95	P
2	20-0080-S05	8	124.4	6.5	-2.9	116.8	96	≥95	P
3	20-0080-S05	8	122.1	7.7	-1.7	113.4	93*	≥95	C*
4	20-0080-S05	8	121.7	6.5	-2.9	114.3	94*	≥95	C*

Location

General Location: House Pad Subgrade

Test No.	Location	Test Elev/Depth	Material/Layer	Lift No
1	27' W & 27' N of SE corner	FG		
2	15' E & 21' N of SW Corner	FG		
3	27' E & 30' S of NW corner	FG		
4	21' W & 27' S of NE corner	FG		

Comments

* = Result does not meet the specification

Legend

OWC = Optimum Water Content
MDD = Maximum Dry Density
C = Compaction out of specification
P = All results within specification



Field Density Test Report

CA2 Project No.: 0150
Report No.: ND:20-0105

Client: Homes by Rafael
2408 Venetian Way SW
Albuquerque, NM 87105
Project: 8024 Canonicito Drive NW
Project No.:
Reviewed By:

CC:

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Model Number: MC3Elite
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Test Mode: Direct Transmission
Standard Count: Density: 24760
Standard Count: Moisture: 9368

Proctor Information

Sample ID	Material	Method	MDD (lb/ft³)	OWC (%)
20-0080-S05	Native Fill	ASTM D 1557 (A)	121.8	9.4

Test Results

Test No.	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	20-0080-S05	8	125.4	7.8	-1.6	116.3	95	≥95	P
2	20-0080-S05	8	127.8	8.1	-1.3	118.2	97	≥95	P

Location

General Location: House Pad Subgrade

Test No.	Location	Test Elev/Depth	Material/Layer	Lift No
1	21' W & 27' S of NE corner, Retest, originally tested 1/15/2020, reported on ND:20-0080	FG		
2	27' E & 30' S of NW corner, Retest, originally tested 1/15/2020, reported on ND:20-0080	FG		

Comments

Legend

OWC = Optimum Water Content
MDD = Maximum Dry Density
P = All results within specification



Proctor Report

CA2 Project No.: 0150
Report No.: PTR:20-0080-S05

Client: Homes by Rafael
2408 Venetian Way SW
Albuquerque, NM 87105
Project: 8024 Canoncito Drive NW
Project No.:
Reviewed By:

CC:

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ACCREDITED

Submitted By:

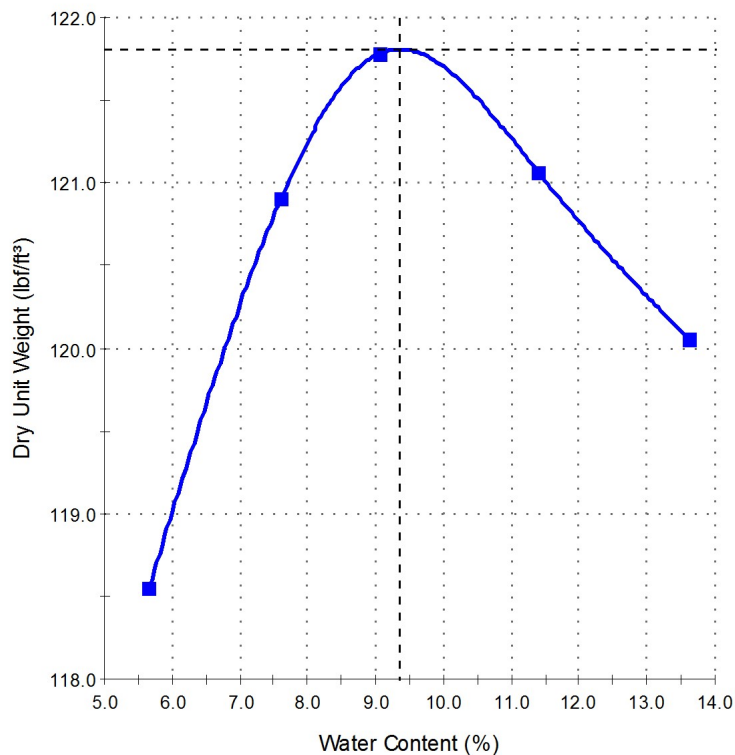
Abe Sandoval

Lab Manager - Technical Services/Estimating

Sample Details

Sample ID: 20-0080-S05 Date Sampled: 1/15/2020
Sampling Method:
Source:
Material: Native Fill
Specification: No Spec
Location: On-Site House Pad
Sampled By: Jonathan Marquez

Dry Unit Weight - Water Content Relationship

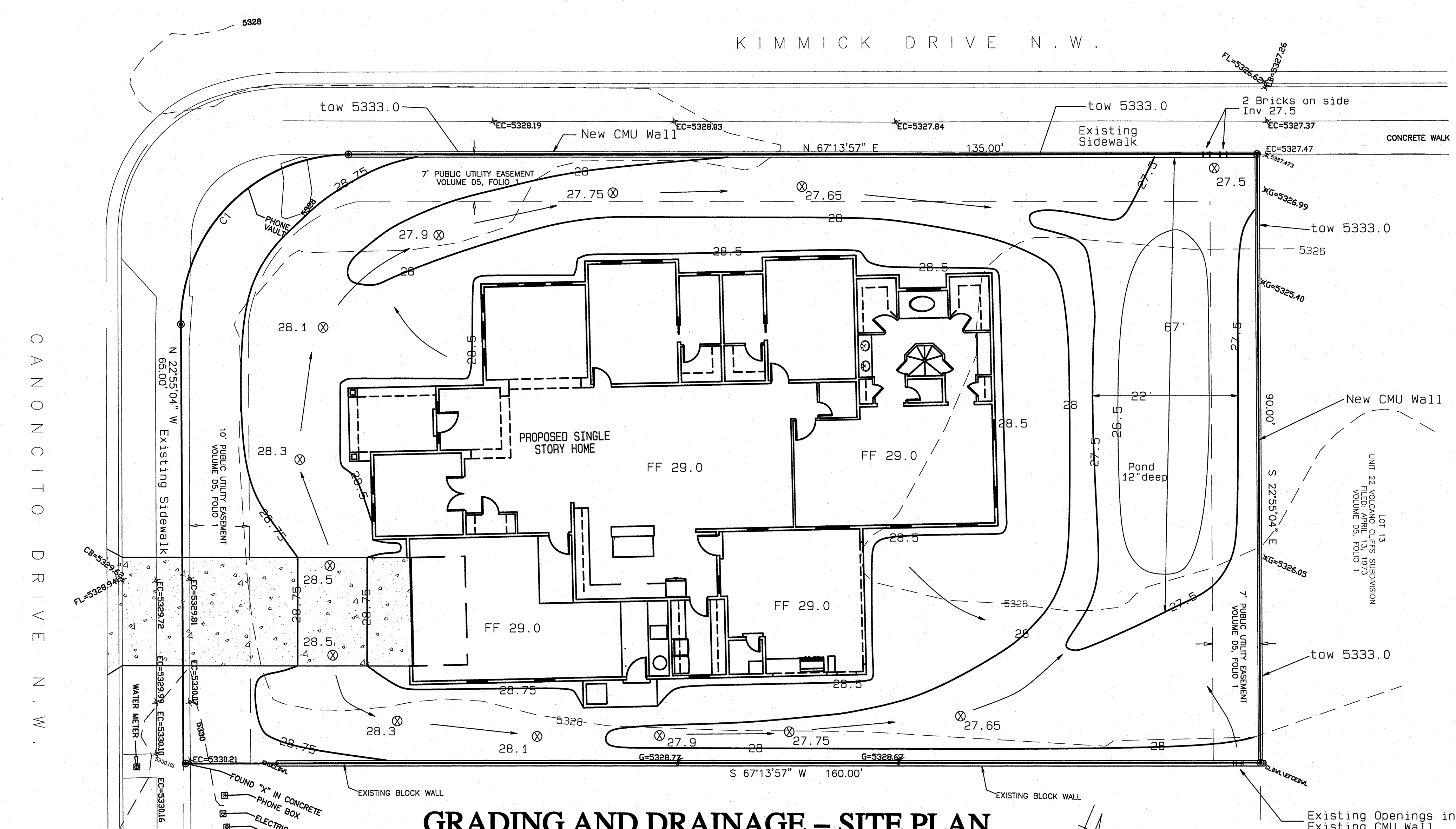


Test Results

ASTM D 1557

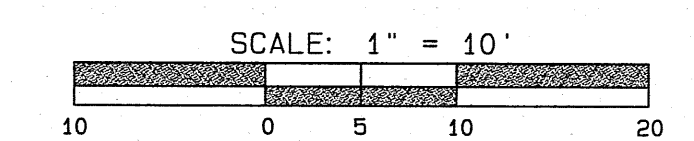
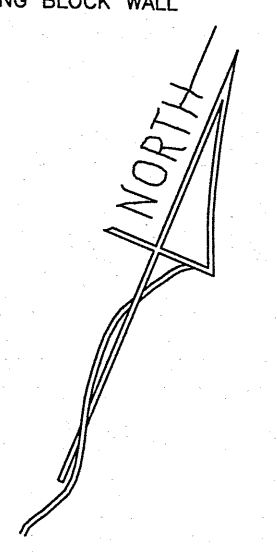
Maximum Dry Unit Weight (lb/ft³): 121.8
Optimum Water Content (%): 9.4
Method: A
Preparation Method: Dry
Tested By: Robert Palomino
Date Tested: 1/20/2020
Visual Description: Native Fill

Comments



GRADING AND DRAINAGE - SITE PLAN

SCALE: 1" = 10'



LEGEND

- New Contour (Finished Surface Elev)
- - - Existing Contour
- ➔ Direction of Surface Drainage
- ⊗ Surveyed Spot Elevation
- ⊗ New Finished Spot Elevation

DRAINAGE DATA - Lot 1, Unit 22 Volcano Cliffs Subdivision, Albuquerque, NM

ZONE 1 TABLE: PROJECT SITE DRAINAGE DATA
Existing Land Treatment Conditions Proposed Land Treatment Conditions

Aa	Ab	Ac	Ad	At	Aa	Ab	Ac	Ad	At
0.328	0.000	0.000	0.000	0.328	0.000	0.010	0.190	0.128	0.328
Ew	V-360	V-10day	Gp-100	Gp-10	Ew	V-360	V-10day	Gp-100	Gp-10
0.441	0.012	0.012	0.423	0.079	1.363	0.037	0.053	1.125	0.661
523.882	523.882				1,622.465	2,305.486			

Net Runoff Volume Created = V360 Day (Proposed) - V360 Day (Existing)
Net Runoff Volume Created = 1,622 Cu. Ft. - 524 = 1,098 Cu Ft.
PONDING PROVIDED = 1,100 Cu. Ft.

NARRATIVE
Grading and Drainage Plan for the Construction of the Building Pad for Lot 1 Unit 22 Volcano Cliffs Subdivision, being a part of SAD 228. The site must maintain existing drainage patterns. Due to existing elevations, discharge to the street is not practical. The drainage plan will allow minor upland flow from the adjacent lot on the southeast side. Address of this Property: 8024 Canoncito Drive, NW

Purpose of this Plan is to establish the first floor elevation, house layout, lot drainage including off site flows.

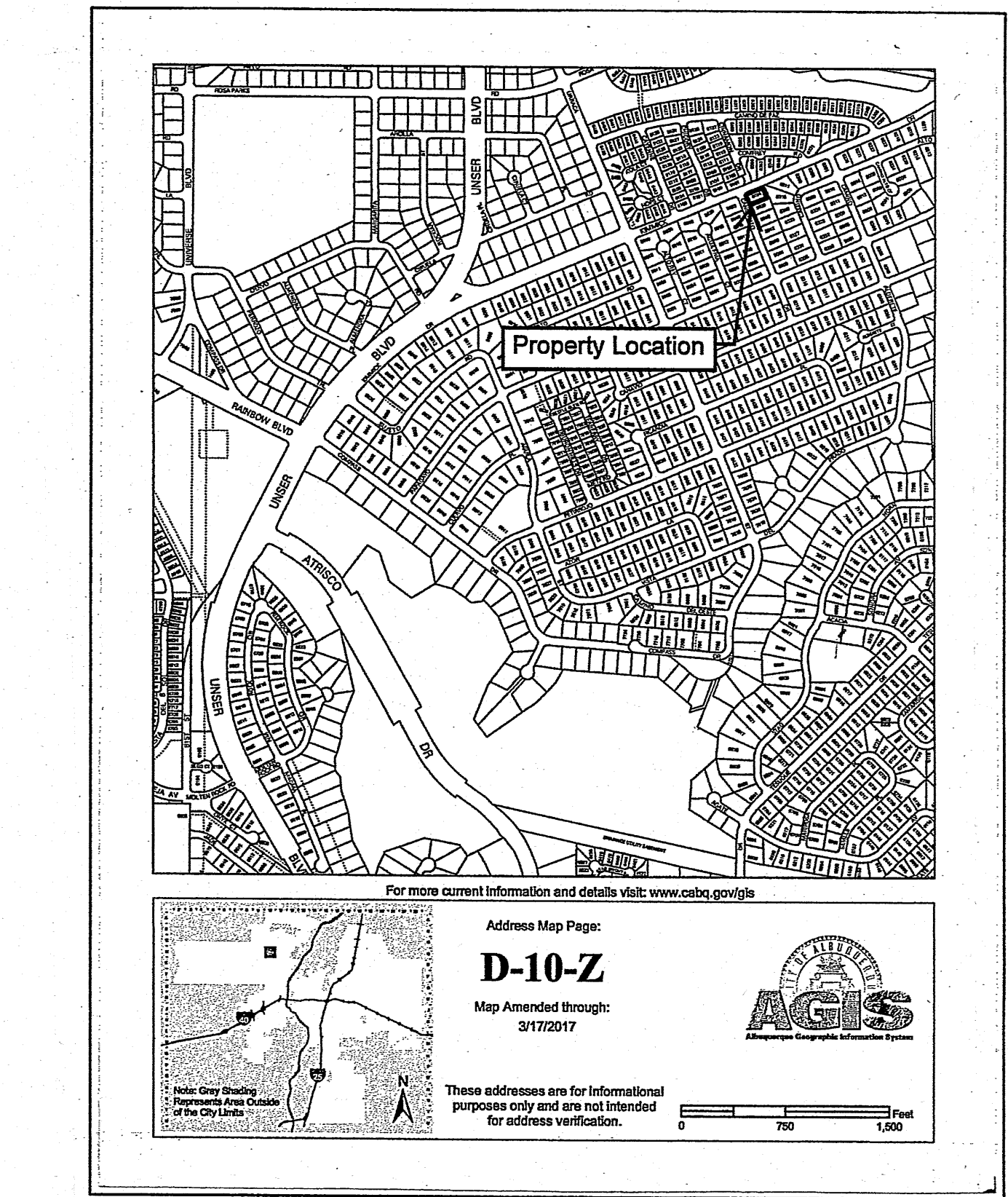
First Flush per EPA Standards

The Initial First Flush to be managed is 0.44" less 0.10" = 0.34 .
The Initial storage on site will be collected and held in the 1,100 cu.ft. landscape pond shown on the Plan.

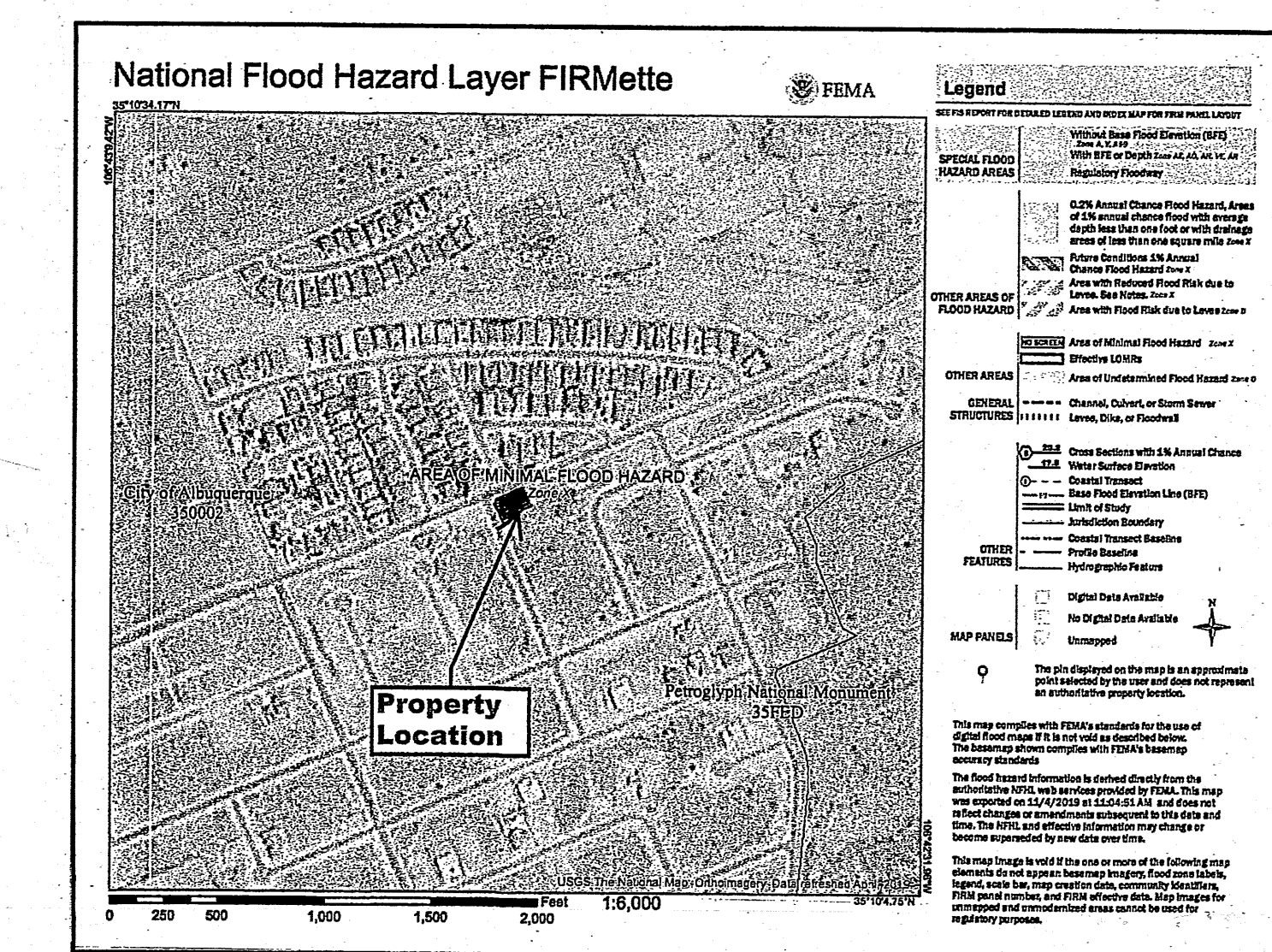
Grading Plan Note:
Contractor must confirm existing surface elevations throughout the construction area including the pond location(s). Surface swales must have a minimum slope of 1% to "daylight" with the flow line at least 4 ft. from the footings where possible. P.E. McGinnis & Associates, LLC is not responsible for construction methods & techniques of the Contractor, nor proper soils engineering for footings and interior floor support. P.E. McGinnis & Assoc., LLC is not a soils engineering or structural engineering firm. Runoff factors used in this plan assumes some soil infiltration of moisture during runoff events. If soils are not suitable for this reality, proper mitigation of percolation should be implemented by the Contractor as advised by the Architect, Landscape Specialists, or Soils Engineer.

Revisions to the grading plan, changes in location of the structures, driveway, or pond location without the expressed approval of P.E. McGinnis & Associates, LLC invalidates this grading plan.

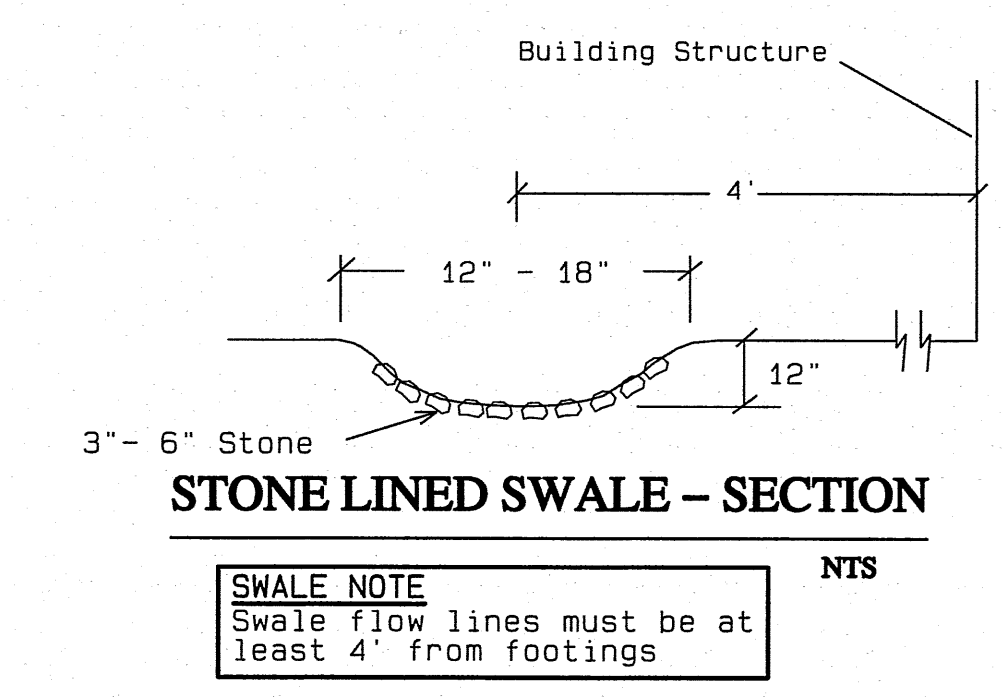
- GENERAL NOTES:**
- Earth surfaces disturbed in the construction process will either be treated with formal landscaping (lawn, flower beds, etc.) or with native plant seeding. City of Albuquerque, Standard Specification No. 1012 shall be used to control native plant seeding when the permanent structure is built.
 - A Pad Certification is required before the slab is poured
 - All walls and/or fences require a separate permit. The Owner shall acquire a separate permit for the retaining wall (if any) that is designed by a Professional Engineer.



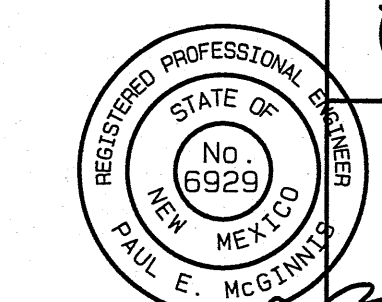
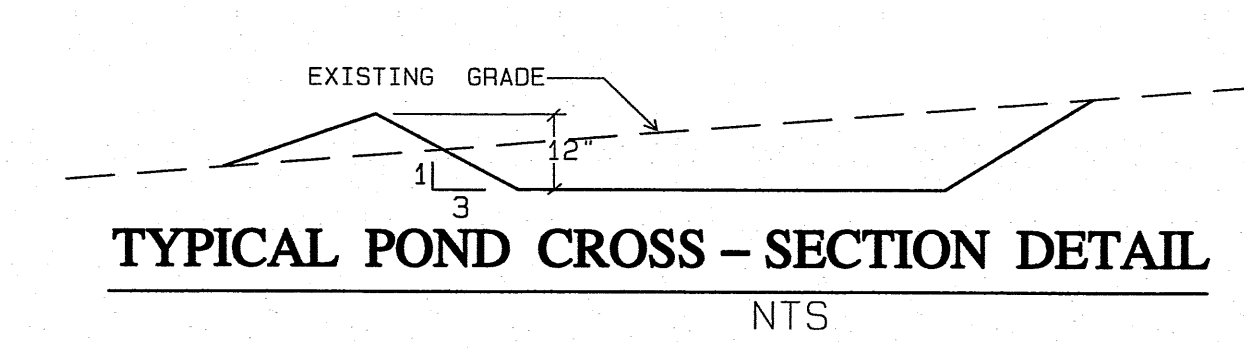
ZONE MAP



FEMA MAP



SWALE NOTE
Swale flow lines must be at least 4' from footings

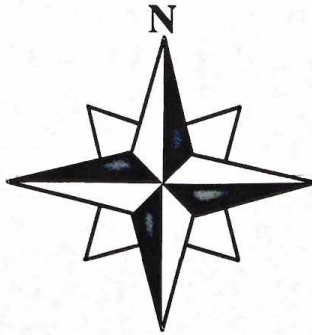


Paul E. McGinnis

P. E. MCGINNIS & ASSOCIATES, LLC
GRADING AND DRAINAGE PLANS, FEMA FLOOD PLAIN CHANGES
WATER/WASTEWATER LINE EXTENSIONS, DRAINAGE ANALYSIS
OFFICE: 1114 HICKOX - SANTA FE, NEW MEXICO 87501
MAIL: P.O. BOX 2351 - SANTA FE, NEW MEXICO 87504
SANTA FE: PHONE (505) 983-1563 ALBUQUERQUE: PHONE/FAX (505) 823-6620

GRADING AND DRAINAGE PLAN
MALDONADO RESIDENCE
8024 CANONCITO DR NW
CITY OF ALBUQUERQUE, NEW MEXICO

11/6/19
Rev 11/8/19



***The Survey Office
333 Lomas Boulevard NE
Albuquerque, NM 87102***

*Phone (505) 998-0303 * Fax (505) 998-0305*

January 14, 2020

Paul McGinnis
P.E. McGinnis & Associates, LLC

Re: Pad Certification for: 8024 Canoncito Drive N.W.

Dear Mr. McGinnis

On January 13, 2020, I Anthony Harris did field work to verify the average pad elevation located at 8024 Canoncito Drive N.W., being lot 1, Block 2, Unit 22, Volcano Cliffs subdivision. The stated elevation based on a 4 inch slab is 5328.67 feet. The actual average of the pad is 5328.61 feet.

If there are any questions please feel free to call me.

Sincerely,

Anthony L. Harris

NMPS 11463

