



Mayor Timothy M. Keller

April 22, 2022

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

**RE: Castillo Residence
3305 Meadow View Dr. NW
Grading and Drainage Plan
Engineers Stamp Date 7/15/2021 (G13D041)
Certification Date: 4/15/2022**

PO Box 1293

Albuquerque
Mr. Valdez,

Based upon the submittal received 4/15/2022 and site visit on 4/22/2022, this plan is approved for Permanent CO by Hydrology.

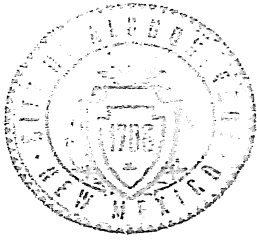
NM 87103

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

www.cabq.gov

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 6 2015)

Project Title: CASTILLO RESIDENCE Building Permit #: _____ Hydrology File #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: LOT 28-B, PLAT OF LOTS 28-A & 28-B, ALVARADO GARDENS

City Address: 3305 MEADOW VIEW DRIVE N.W.

Applicant: ACCESS SOLUTIONS, INC. Contact: DAVID MANN

Address: 4545 MCLEOD ROAD N.E., ALBUQUERQUE, NEW MEXICO 87109

Phone#: 505-379-4863 Fax#: _____ E-mail: dave@nmaccess.com

Other Contact: LEVI J. VALDEZ, P.E. Contact: LEVI VALDEZ

Address: 12800 SAN JUAN N.E., ALBUQUERQUE, NEW MEXICO 87123

Phone#: 505-610-0593 Fax#: _____ E-mail: paurod@hotmail.com

505-881-4399
TYPE OF DEVELOPMENT: _____ PLAT (# of lots) ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL? ☒ Yes _____ No

DEPARTMENT _____ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

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

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

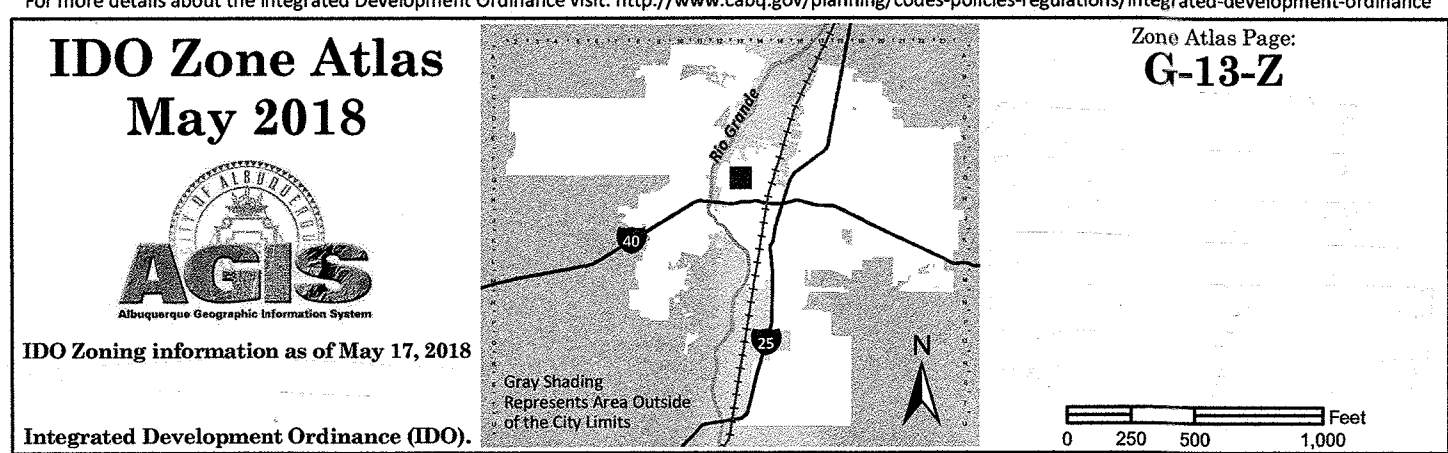
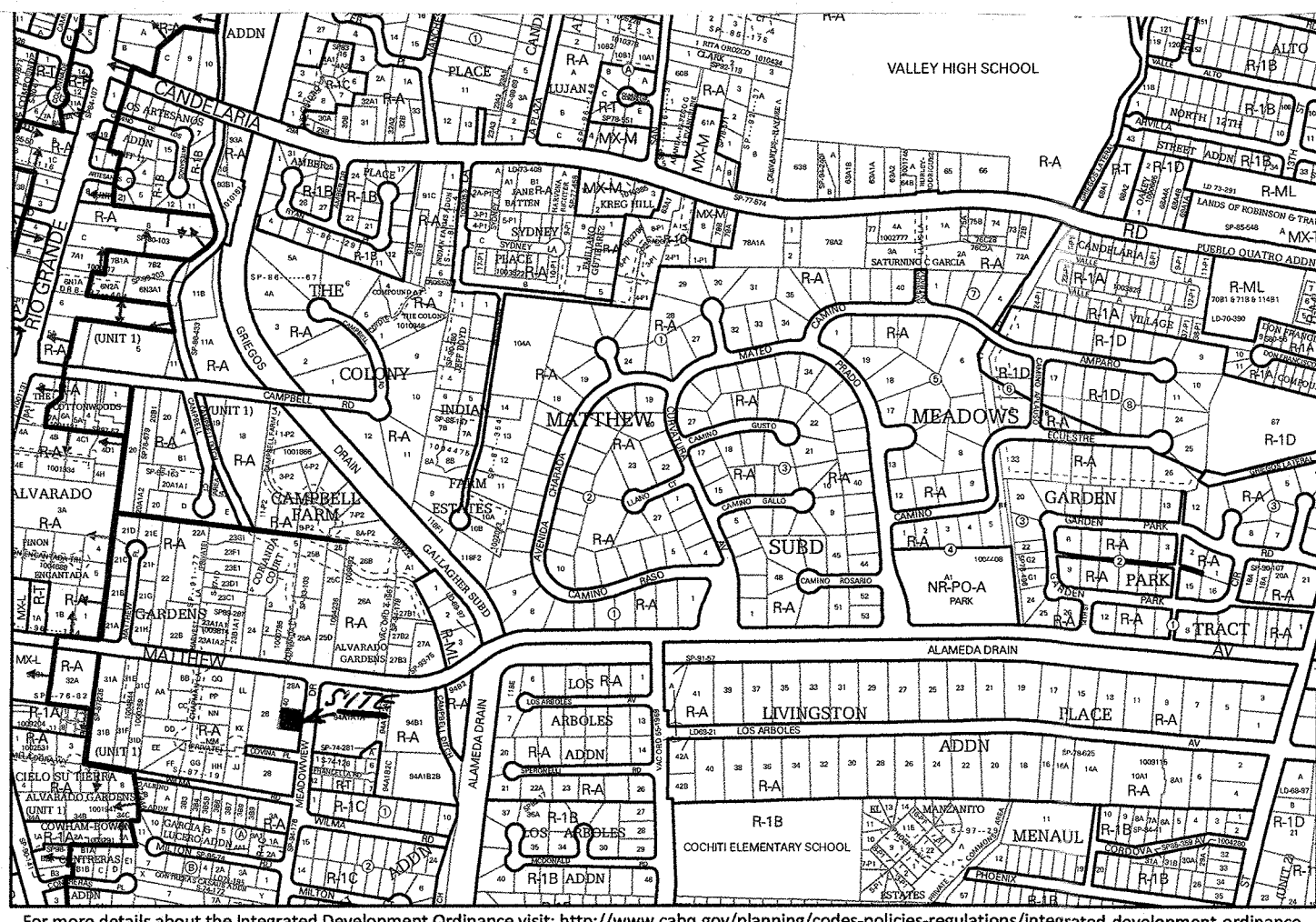
- ☐ BUILDING PERMIT APPROVAL
- ☒ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ SITE PLAN FOR SUB'D APPROVAL
- ☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ SO-19 APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ GRADING/ PAD CERTIFICATION
- ☐ WORK ORDER APPROVAL
- ☐ CLOMR/LOMR
- ☐ FLOODPLAIN DEVELOPMENT PERMIT
- ☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 04-14-2022 By: GEORGE T. RODRIGUEZ

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

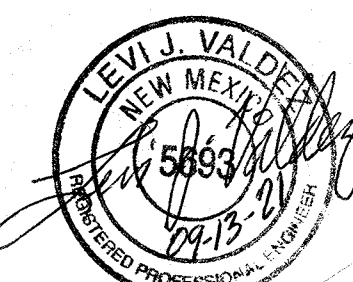


FEMA FIRM PANEL: # 35001C0331H, (EFFECTIVE DATE: 08-16-2012)
SITE IS LOCATED WITHIN ZONE 'X', AREA WITH REDUCED FLOOD RISK DUE TO LEVEE.

PAD CERTIFICATION:

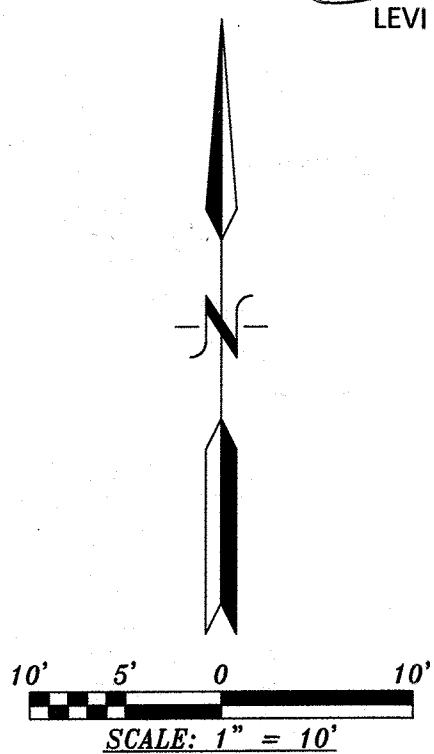
I, LEVI J. VALDEZ, N.M.P.E. NO. 5693, DO HEREBY CERTIFY THAT THE EXISTING GRADED PAD ELEVATION (SUBGRADE) SHOWN ON THE PLAN HEREON IS IN SUBSTANTIAL COMPLIANCE TO THE DESIGN FINISH FLOOR ELEVATION FOR THE PROPOSED RESIDENCE.

Levi J. Valdez
LEVI J. VALDEZ, N.M.P.E. NO. 5693



LEGEND

- Existing Contour
- - - Design Contour
- x Existing Spot Elevation
- + Proposed Spot Elevation



GENERAL NOTES:

- CONTOUR INTERVAL IS ONE (1) FOOT.
- ELEVATIONS ARE BASED ON READINGS TAKEN WITH A GPS UNIT STONEX S10A. ELEVATIONS SHOWN ARE NAVD 1988
- UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
- THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY. BOUNDARY DATA SHOWN IS FROM PREVIOUS SURVEY REFERENCE HEREON

LEGAL DESCRIPTION:

LOT 28-B, PLAT OF LOTS 28-A & 28-B, ALVARADO GARDENS, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

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

LEGEND
BC = BACK OF CURB
FL = FLOW LINE
G = GROUND
SASM = SANITARY SEWER MANHOLE

NOTE: CONTRACTOR TO PROVIDE ROOF GUTTERS WITH DOWNSPOUTS DIRECTED TO SPLASH BOXES SO AS TO DISSIPATE FLOW ENERGY THEN DIRECT FLOWS TO WATER HARVESTING / RETENTION PONDS.

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

City of Albuquerque Hydrology Department

Re: Pad certification for: 3305 Meadowview N.W.

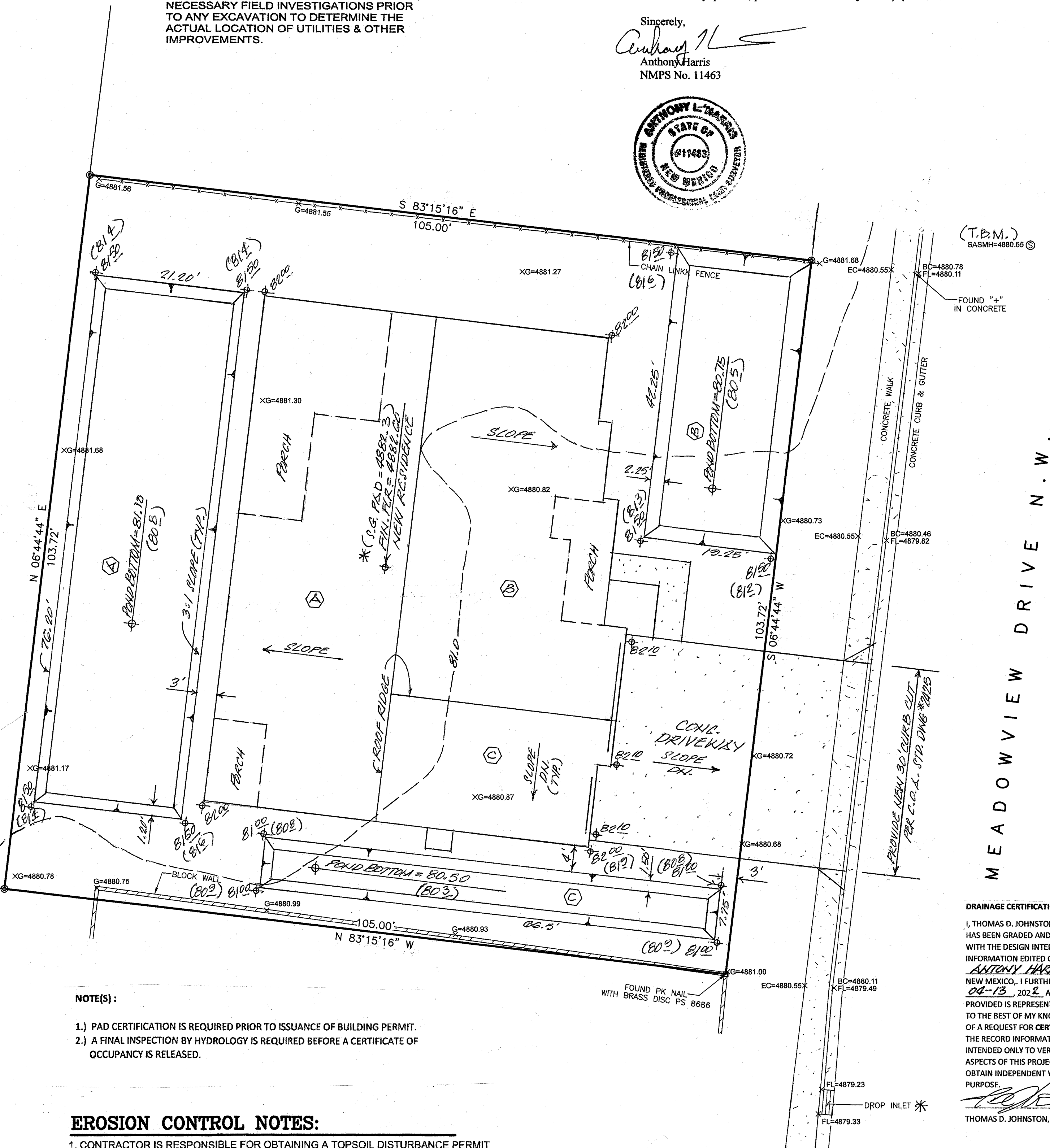
To whom it may concern

Harris Surveying Inc. has been hired to verify the pad height located at 3305 Meadowview N.W. The results of the field work is that the average pad height is at 4882.3 feet. The pad height per plat is 4882.2 feet.

If there are any question, please contact me at my office, (889-8056)

Sincerely,

Anthony Harris
Anthony Harris
NMPS No. 11463



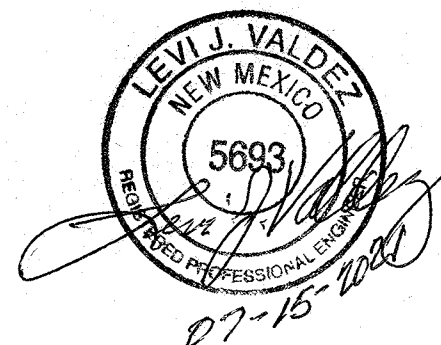
NOTE(S):

- PAD CERTIFICATION IS REQUIRED PRIOR TO ISSUANCE OF BUILDING PERMIT.
- A FINAL INSPECTION BY HYDROLOGY IS REQUIRED BEFORE A CERTIFICATE OF OCCUPANCY IS RELEASED.

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

* NOTE: "AS-BUILT GRADES" SHOWN THIS (80.2)



DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE WEST SIDE OF MEADOW VIEW DRIVE N.W. JUST SOUTH OF THE INTERSECTION OF MATTHEW AVENUE N.W. AND MEADOW VIEW DRIVE N.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (IDO ZONE ATLAS MAP 'G-13-Z').

THE SUBJECT SITE, 1.) IS AN EXISTING INFILL VACANT PROPERTY, 2.) PROPOSES TO HAVE A SINGLE FAMILY RESIDENCE CONSTRUCTED THEREON, 3.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 4.) DOES NOT CONTRIBUTE FLOWS TO ADJACENT PROPERTIES, 5.) IS TO PROVIDE FOR REQUIRED RETENTION PONDS ONSITE PER ARTICLE 6-5 "VALLEY DRAINAGE CRITERIA OF THE DPM".

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.

PER ARTICLE 6-5 "VALLEY DRAINAGE CRITERIA OF THE DPM".

** DESIGNED FINISH FLOOR ELEVATIONS ARE TO BE A MINIMUM OF 1.0' ABOVE HIGHEST ADJACENT GRADE ELEVATION.

HOUSE AREA = 3,960.0 SQ. FT. FOR CALCULATION OF RETENTION POND(S)
CONC. DRIVEPAD = 600.0 SQ. FT. SLOPES AND FLOWS TO MEADOW VIEW DRIVE N.W.
(183.0 CU. FT.) AND INTO C.O.A. STORM INLET SHOWN ON PLAN.
TOTAL = 4,560.0 SQ. FT. ("D").

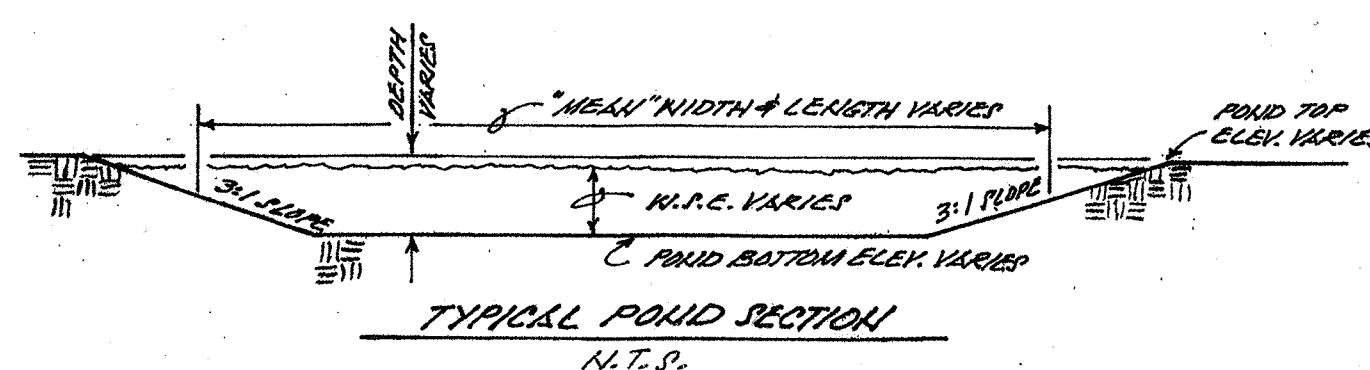
RETENTION POND VOLUME CALCULATION FOR INDIVIDUAL LOTS:

3.67 X IMPERVIOUS AREA ("D") / 12 = REQUIRED VOLUME (CU. FT.)
3.67 X 3,960.0 / 12 = 1,211.0 CU. FT. TOTAL VOLUME REQUIRED

BASIN 'A' / POND 'A': "D" = 1,825.0 SQ. FT.
3.67 X 1,825.0 / 12 = 558.0 CU. FT. REQUIRED VOLUME
POND SIZE: (MEAN DIMENSIONS):
20' X 75' = 1,500.0 SQ. FT. X 0.40' DEPTH = 600.0 CU. FT. PROVIDED VOLUME

BASIN 'B' / POND 'B': "D" = 1,559.0 SQ. FT.
3.67 X 1,559.0 / 12 = 477.0 CU. FT. REQUIRED VOLUME
POND SIZE: (MEAN DIMENSIONS):
17' X 40' = 680.0 SQ. FT. X 0.75' DEPTH = 510.0 CU. FT. PROVIDED VOLUME

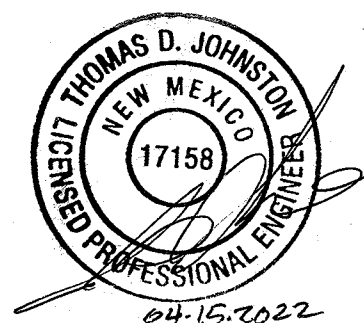
BASIN 'C' / POND 'C': "D" = 576.0 SQ. FT.
3.67 X 576.0 / 12 = 176.0 CU. FT. REQUIRED VOLUME
POND SIZE: (MEAN DIMENSIONS):
6' X 65' = 390.0 SQ. FT. X 0.50' DEPTH = 195.0 CU. FT. PROVIDED VOLUME



DRAINAGE CERTIFICATION:

I, THOMAS D. JOHNSTON, N.M.P.E. NO. 17158, DO HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 07-15-2022. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ANTHONY HARRIS, OF THE FIRM HARRIS SURVEYING, ALBUQUERQUE, NEW MEXICO. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 08-13-2022 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF THE ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY. THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

THOMAS D. JOHNSTON, N.M.P.E. NO. 17158



A DRAINAGE PLAN

FOR PROPOSED

CASTILLO RESIDENCE

3305 MEADOW VIEW DRIVE N.W.

ALBUQUERQUE, NEW MEXICO

JULY, 2021