

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

February 21, 2020

Verlyn Miller
Miller Engineering Consultants, Inc.
3500 Comanche NE
Albuquerque, NM 87107

RE: **4517 Las Hermanas NW**
Grading and Drainage Plan
Engineer's Stamp Date: 2/13/20
Hydrology File: G15D066

Dear Mr. Miller,

Based on the submittal received on 2/18/20, the above-referenced Grading and Drainage Plan is approved for Grading Permit. It is also approved for Floodplain Development Permit, approval to be provided separately.

Prior to Building Permit (For Information):

1. An Engineer's Certification of the compacted pad and grading (Pad Certification), per the DPM Chapter 22.7: *Engineer's Certification Checklist for Non-Subdivision*, is required prior to issuing Building Permit.

Prior to Certificate of Occupancy (For Information):

2. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision*, will be required to ensure the pond remained intact and the finished floor was built to the design elevation.
3. A Final Elevation Certificate is required prior to Certificate of Occupancy, per the Floodplain Development Permit.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Ambriz Rivas **Building Permit #:** BP 2019-29623 **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: *033 Los Hermonos
City Address: 4517 Las Hermanas St. , Albuquerque, New Mexico 87107

Applicant: Jose Rivas **Contact:** _____
Address: 206B Sanchez Rd. NW, Albuquerque, New Mexico 87107
Phone#: 505-730-6971 **Fax#:** _____ **E-mail:** ambrizrivas@gmail.com

Other Contact: Miller Engineering Consultants, Inc. **Contact:** Verlyn Miller
Address: 3500 Comanche NE, Bldg. F, Albuquerque, NM 87107
Phone#: 505-888-7500 **Fax#:** 505-888-3800 **E-mail:** vmiller@mecnm.com

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

IS THIS A RESUBMITTAL? X Yes _____ No

DEPARTMENT _____ TRANSPORTATION X HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

_____ ENGINEER/ARCHITECT CERTIFICATION
_____ PAD CERTIFICATION
_____ CONCEPTUAL G & D PLAN
X 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:

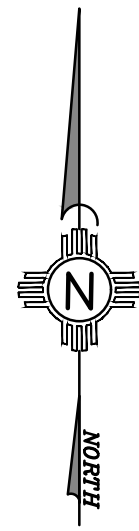
X BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY
_____ PRELIMINARY PLAT APPROVAL
_____ SITE PLAN FOR SUB'D APPROVAL
_____ SITE PLAN FOR BLDG. PERMIT APPROVAL
_____ FINAL PLAT APPROVAL
_____ SIA/ RELEASE OF FINANCIAL GUARANTEE
_____ FOUNDATION PERMIT APPROVAL
_____ GRADING PERMIT APPROVAL
_____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

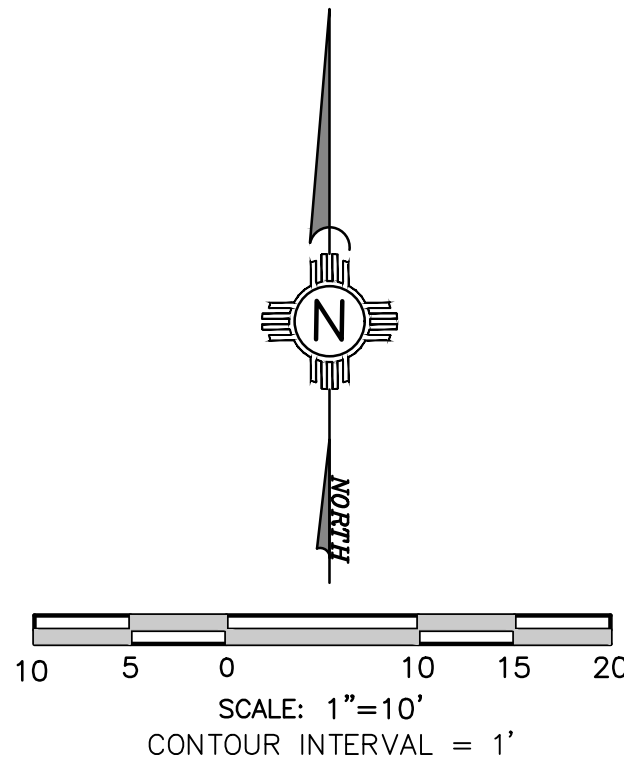
DATE SUBMITTED: 2-18-2020 **By:** Verlyn Miller

COA STAFF:

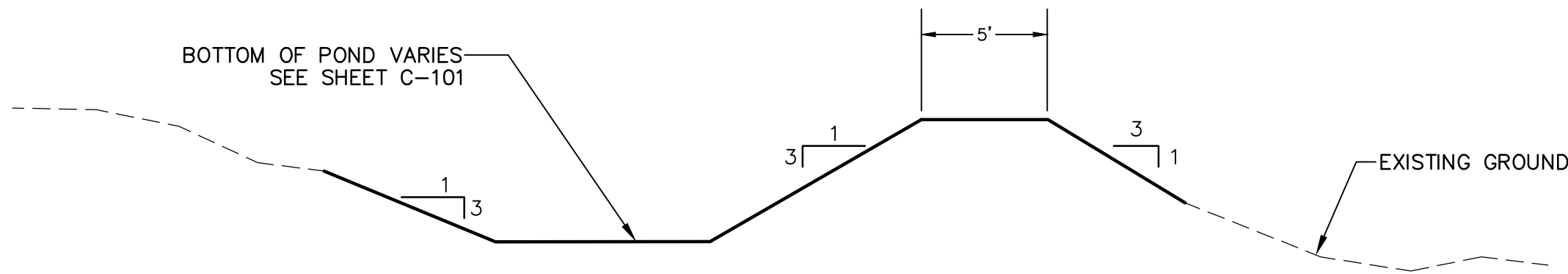
ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



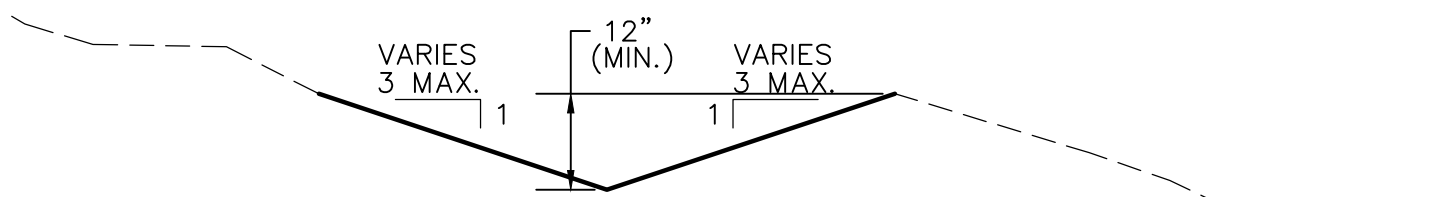


T:\Clients\AMBRIZ RIVAS\LOS HERMANOS G & D\ACAD\SHETS\C-501_MiscDetails.dwg, 2/18/2020 10:21:04 AM, DWG To PDF.pc3, 1:1

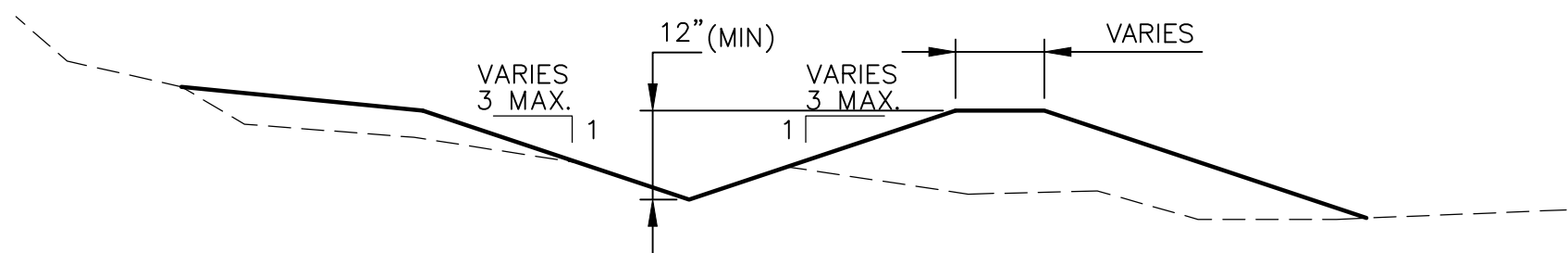


COMPACT BERN/POND
AREAS TO 95% MAX. DRY
DENSITY

B1 TYPICAL WATER HARVEST AREA SECTION
SCALE: NOT TO SCALE

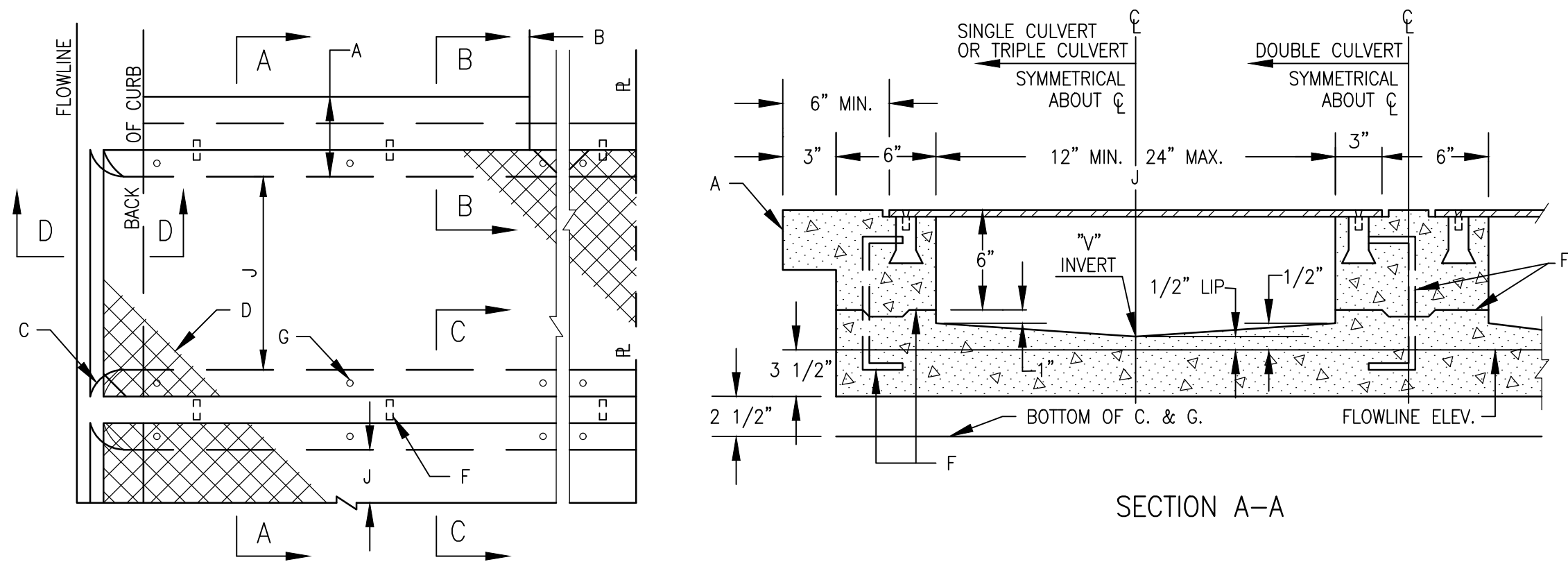


SWALE CUT DETAIL
SCALE: NONE

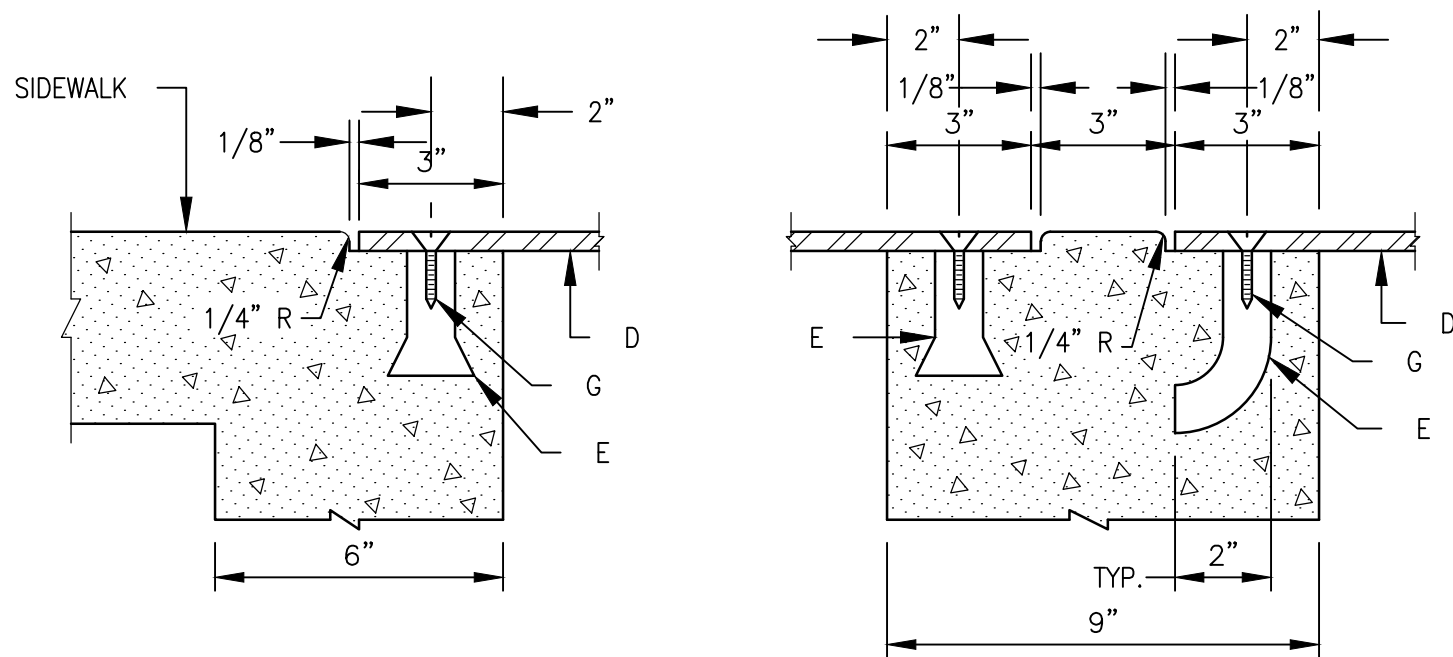


SWALE FILL DETAIL
SCALE: NONE

A1 EARTHEN SWALE
SCALE: NOT TO SCALE



PLAN
SINGLE AND OR MULTIPLE CULVERT



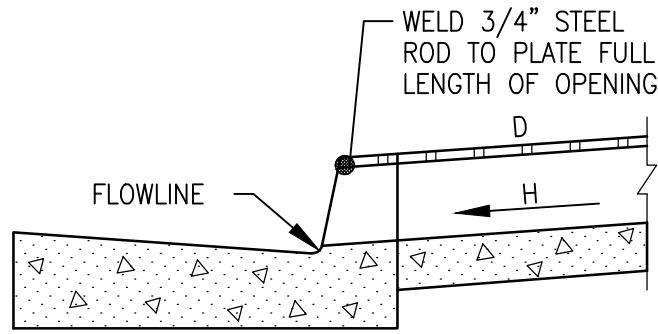
SECTION B-B

SECTION C-C

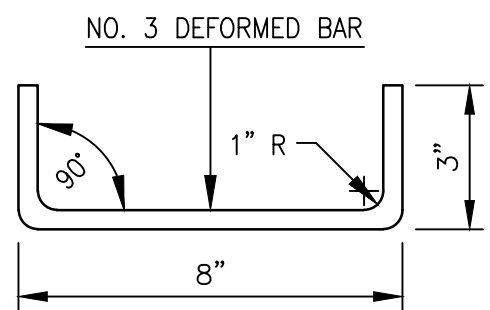
GENERAL NOTES:

1. PLACING OF DRAIN THRU EXIST. SIDEWALK AND CURB & GUTTER REQUIRES THAT ENTIRE SIDEWALK AND C & G STONES BE REMOVED AND REPLACED AS DETAILED HEREIN.
2. BOTTOM SLAB OF CULVERT SHALL BE POURED MONOLITHICALLY WITH NEW GUTTER.
3. THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAX. DENSITY AND SMOOTHNESS. INVERT SHALL BE V-SHAPED TO WITHIN 3" OF OUTLET, THEN WARPED TO PARALLEL FLOWLINE AT OUTLET, UNLESS OTHERWISE SHOWN.
4. ALL EXPOSED CONC. SURFACE SHALL MATCH GRADE, COLOR, FINISH AND SCORING OF ADJACENT CURB AND SIDEWALK.
5. SIDEWALK REPLACED DURING CONSTRUCTION SHALL BE POURED MONOLITHICALLY WITH CULVERT WALLS.
6. IF ROD ANCHORS ARE USED, DRILL & TAP FOR F.H. MACHINE SCREW. ATTACH ANCHORS TO PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF WALLS.
7. LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS. AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND PAINT W/ ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
8. THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERT INSTALLED BY OR FOR PRIVATE PROPERTY OWNERS.

A4 SIDEWALK CULVERT DETAIL
SCALE: NOT TO SCALE



SECTION D-D



DOWEL DETAIL

SIDEWALK CULVERT CONSTRUCTION NOTES:

- A. MATCH NEAREST CONTROL JOINT, INSTALL 1/2" EXPANSION JOINT.
- B. EDGE OF SIDEWALK OR SETBACK (VARIABLE).
- C. 3" RADIUS (TYPICAL).
- D. 3/8" CHECKERED STEEL PLATE (PRINT PER NOTE 7, ABOVE).
- E. FOR SECURING PLATE USE 1" x 5" S.S. ROD ANCHOR, "RED HEAD MULTI-SEE II SRM-38 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX. 24" O.C., A MINIMUM OF 2 PER SIDE AND ONE WITH 6" OF EACH END.
- F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" O.C. MAX., 1/2" MINIMUM FROM FACE OF CONCRETE.
- G. 3/8 - 16 X 1 1/4" COUNTERSUNK, F.H., STAINLESS STEEL MACHINE SCREW.
- H. SLOPE 1/4" PER FT. MIN DRAIN WIDTH PER PLAN (12", MIN., 24" MAX.).



NEW MEXICO

AMBRIZ RIVAS
ALBUQUERQUE, NEW MEXICO

MISCELLANEOUS DETAILS

BERNALILLO COUNTY

SHEET

C-501

MILLER ENGINEERING CONSULTANTS
Engineers • Planners

3500 COMANCHE NE
BLDG. F
ALBUQUERQUE, NM 87107
(505)888-7500
(505)888-3800 (FAX)

DESIGNED	MEC	JOB #	E
DRAWN	MEC	FILE	C-501
CHECKED	VAM	DATE	11-6-19

ENGINEERS STAMP

REVISION DESCRIPTION

DATE

MARK

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION						FOR INSURANCE COMPANY USE
A1. Building Owner's Name <u>Jose Rivas</u>					Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>4517 Las Hermanas St NW</u>					Company NAIC Number:	
City <u>Albuquerque</u>		State <u>NM</u>		ZIP Code <u>87107</u>		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>Lot 33-A Las Hermanas Addition</u>						
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Addition</u>						
A5. Latitude/Longitude: Lat. <u>35°07'41.15"</u> Long. <u>106°38'17.83"</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983						
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.						
A7. Building Diagram Number <u>1A</u>						
A8. For a building with a crawlspace or enclosure(s):						
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft						
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>						
c) Total net area of flood openings in A8.b <u>N/A</u> sq in						
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
A9. For a building with an attached garage:						
a) Square footage of attached garage <u>N/A</u> sq ft						
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>						
c) Total net area of flood openings in A9.b <u>N/A</u> sq in						
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION						
B1. NFIP Community Name & Community Number <u>City of Albuquerque 350002</u>			B2. County Name <u>Bernalillo</u>		B3. State <u>NM</u>	
B4. Map Panel Number <u>35001C</u> <u>0119</u>	B5. Suffix <u>G</u>	B6. FIRM Index Date <u>9-26-08</u>	B7. FIRM Panel Effective/Revised Date <u>8-16-12</u>	B8. Flood Zone(s) <u>AH</u>	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) <u>4972</u>	
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____						
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____						
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: <u>N/A</u> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA						

ELEVATION CERTIFICATE

IMPORTANT: In these spaces, copy the corresponding information from Section A.		FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>4517 Las Hermanas ST. NW</u>		Policy Number:
City <u>Albuquerque</u>	State <u>NM</u>	Company NAIC Number
ZIP Code <u>87107</u>		

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

- C1. Building elevations are based on: ☒ Construction Drawings* ☐ Building Under Construction* ☐ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

- C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: 18-G14 Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

Datum used for building elevations must be the same as that used for the BFE.

- | | | Check the measurement used. |
|--|----------------|--|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) | <u>4972.65</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| b) Top of the next higher floor | <u>N/A</u> | <input type="checkbox"/> feet <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | <u>N/A</u> | <input type="checkbox"/> feet <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | <u>N/A</u> | <input type="checkbox"/> feet <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) | <u>4972.65</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | <u>4972.4</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | <u>4972.6</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | <u>N/A</u> | <input type="checkbox"/> feet <input type="checkbox"/> meters |

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No ☐ Check here if attachments.

Certifier's Name <u>Anthony L. Harris</u>	License Number <u>NMPS 11463</u>
Title <u>President</u>	
Company Name <u>Harris Surveying Inc.</u>	
Address <u>1308 Cielo Vista Del Sur NW</u>	
City <u>Corrales</u>	State <u>NM</u>
	ZIP Code <u>87048</u>



Signature <u>Anthony L. Harris</u>	Date <u>1-15-2020</u>	Telephone <u>250-2273</u>	Ext.
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Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

BUILDING PHOTOGRAPHS

OMB No. 1660-0008
Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 4517 Las Hermanas St. NW			Policy Number:
City Albuquerque	State NM	ZIP Code 87107	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

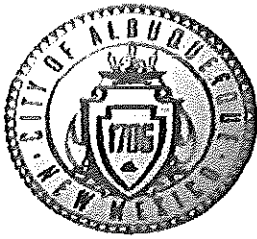


Photo One Caption

Clear Photo One

Photo Two Caption

Clear Photo Two



City of Albuquerque

Planning Department

Floodplain Development Permit

Project Title 4517 Las Hermanas Albuquerque, NH 87107

Project Location (Major Cross Streets/Arroyo or address)

Grigios + 2nd St.

Property Owner: (Note: If applying for a Building Permit, the "Company" or "Owner" name on this form must match the "Owner" name on the Building Permit.)

Company Name or Owner Name: Jose Rivas

Responsible Person: (Note: Name below may be the same as Owner Name above if there is no Company Name)

Name: Jose Rivas

Phone Number (505) 730-6971

E-mail: ambri.rivas@gmail.com

Site Contact: (if different than Property Owner info above.)

Name: _____

Phone: _____

e-mail: _____

For City personnel use only:

City Personnel Signature: _____ Date _____

Description of Work _____

Check all that apply:

☐ Final Elevation Certificate required prior to Certificate of Occupancy

☐ No Building Permits will be allowed until FEMA issues a LOMR removing the SFHA.

☐ A LOMR must be obtained from FEMA prior to release of Financial Guarantees.

Floodplain Development Permit Application

Planning Dept., City of Albuquerque

Section 1: General Provisions (Applicant to read and sign)

1. No work of any kind may start in a Special Flood Hazard Area, SFHA, until a permit is issued.
2. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal regulatory requirements.
3. Applicant hereby gives consent to the Floodplain Administrator and his/her representative to make reasonable inspections required to verify compliance.
4. Applicant must provide a Critical Habitat for Threatened & Endangered Species report prior to any work in a SFHA.
5. Applicant must provide the Base Flood Elevation, BFE, and must provide engineering calculations demonstrating that the development will not increase the BFE or result in increased flood risk on any neighboring property.
6. If this application is for a building the floodplain must be removed by first constructing any required storm drain and/or channel modifications and second acquiring a Letter of Map Revision, LOMR, from FEMA before a building permit will be issued. If storm drain and channel modifications are not involved then a draft Elevation Certificate must be submitted prior to Building Permit and a Final Elevation Certificate must be submitted prior to Certificate of Occupancy.
7. A Conditional Letter of Map Revision, CLOMR, is required prior to any work in the FLOODWAY, if applicable.
8. The applicant certifies that all statements herein and in attachments to this application are, to the best of my knowledge, true and accurate.

Applicant Signature Jose Rivas Date 02/17/2020

Applicant Printed Name Jose Rivas Phone # (505) 730-6971

Owner Signature Jose Rivas Date 02/17/2020

Owner Printed Name Jose Rivas Phone #: (505) 730-6971

Applicant is (check one): Owner ☒ Builder ☐ Engineer/Architect ☐

Section 2: Proposed Development in Special Flood Hazard Area (to be completed by Applicant)

Project address/Legal Disc/Location: 4517 Las Herminas

Albuquerque, NM 87107

Section 2 (Cont.) - Description of Work in Special Flood Hazard Area (SFHA):

A. Building Development and Building Type

ACTIVITY

☐ New Building

☒ Addition

☐ Alteration

☐ Relocation

☐ Demolition

☐ Replacement

STRUCTURE TYPE

☒ Residential (1-4 Family)

☐ Residential (More than 4 Family)

☐ Non Residential (Flood-proofing? ☐ Yes)

☐ Combined Use (Residential & Commercial)

☐ Manufactured Home (In Mobile Home Park? ☐ Yes)

If an addition or alteration:

Estimated Cost of Project \$ 30,000

Estimated Value of structure before addition/alteration. \$ 100,000

Percent of value (new construction /existing value) 30 %

B. Other Development Activities

☒ Clearing ☒ Grading ☐ Utilities ☐ Paving

☐ Watercourse Alteration (Bridge or Channel Modification)

☐ Drainage Improvements (Storm drain or culverts)

☐ Road, Street or Bridge Construction

☐ Subdivision

☐ Walls or Fences

☐ Storage of Materials/Equipment for more than a year. (Materials Volume (cu. Ft.) _____)

Other (Please Specify) _____

Is there a Grading & Drainage Plan associated with this work? Yes ☒ No ☐

Drainage file Number: G 150 066

Section 3: Floodplain Determination (Completed by the Floodplain Administrator)

_____ The proposed development is located on FIRM Panel: _____

_____ The proposed development is located in Zone X and NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED.

_____ A portion of the proposed development is located in a SFHA but not any buildings so an approved G&D Plan is required (Engineer's Stamp Date _____) prior to issuance of a Floodplain Development Permit and no Building Permit will be issued for this construction.

_____ A portion of the proposed Building is located in a SFHA but the project does not include any storm drain improvements and/or channel modifications so:

1. Approved G&D Plan is required (Engineer's Stamp Date _____) prior to issuance of a Floodplain Development Permit,
2. Draft Elevation Certificate (Date _____) is required prior to issuance of a Building Permit, and
3. Final Elevation Certificate and Engineer's Certification is required prior to Certificate of Occupancy.

_____ A portion of the proposed Building is located in a SFHA and the project includes storm drain improvements and/or channel modifications that will change the floodplain location so

1. An Approved Grading and Drainage Plan is required (Engineer's Stamp Date _____) prior to issuing a Flood Plain Development Permit and a Grading Permit and/or a Work Order.
2. The improvements must be constructed and an Approved Engineer's Certification (Engineer's Stamp Date _____) and an Approved LOMR Request (Engineer's Stamp Date _____) must be approved by Hydrology prior to approval of the LOMR application to FEMA.
3. The Floodplain must be removed by a LOMR from FEMA (Date _____) prior to issuance of a Building Permit.

_____ A portion of the proposed development is located in a FLOODWAY so:

1. Approved G&D Plan (Engineer's Stamp Date _____) and an Approved CLOMR Request (Date _____) is required prior to approval of the application to FEMA, and
2. CLOMR from FEMA (Date _____) is required prior to issuance of a Floodplain Development Permit, a Grading Permit, and/or a Work Order.
3. The improvements must be constructed and an Approved Engineer's Certification (Engineer's Stamp Date _____) and an Approved LOMR Request (Engineer's Stamp Date _____) must be approved by Hydrology prior to approval of the LOMR application to FEMA (Date _____).
4. The Floodplain must be removed by a LOMR from FEMA (Date _____) prior to issuance of a Building Permit.

Drainage File Number: _____

Floodplain Permit Number: _____

Signed: _____

Date: _____

Printed Name: _____