## **CITY OF ALBUQUERQUE**



October 28, 2016

Dennis Lorenz, P.E. Lorenz Design & Consulting 2501 Rio Grande Blvd. NW Suite A Albuquerque, New Mexico 87107

RE: Bella Vista Assisted Living 13101 Constitution NE Request Permanent C.O. – Accepted Engineers Stamp Date 5/14/15 (J22D067) Certification Dated: 10/13/16

Dear Mr. Lorenz,

Based on the Certification received 10/13/2016, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

Albuquerque

• The owner is to be advised that the splash blocks do not appear to direct the flows on to the sidewalk, but to each side therefore filling the area with water from 5 downspouts between the building and sidewalk. We recommend the owner monitor the drainage on the east side of the facility.

If you have any questions please contact me at 924-3986 or Totten Elliott at 924-3982.

New Mexico 87103

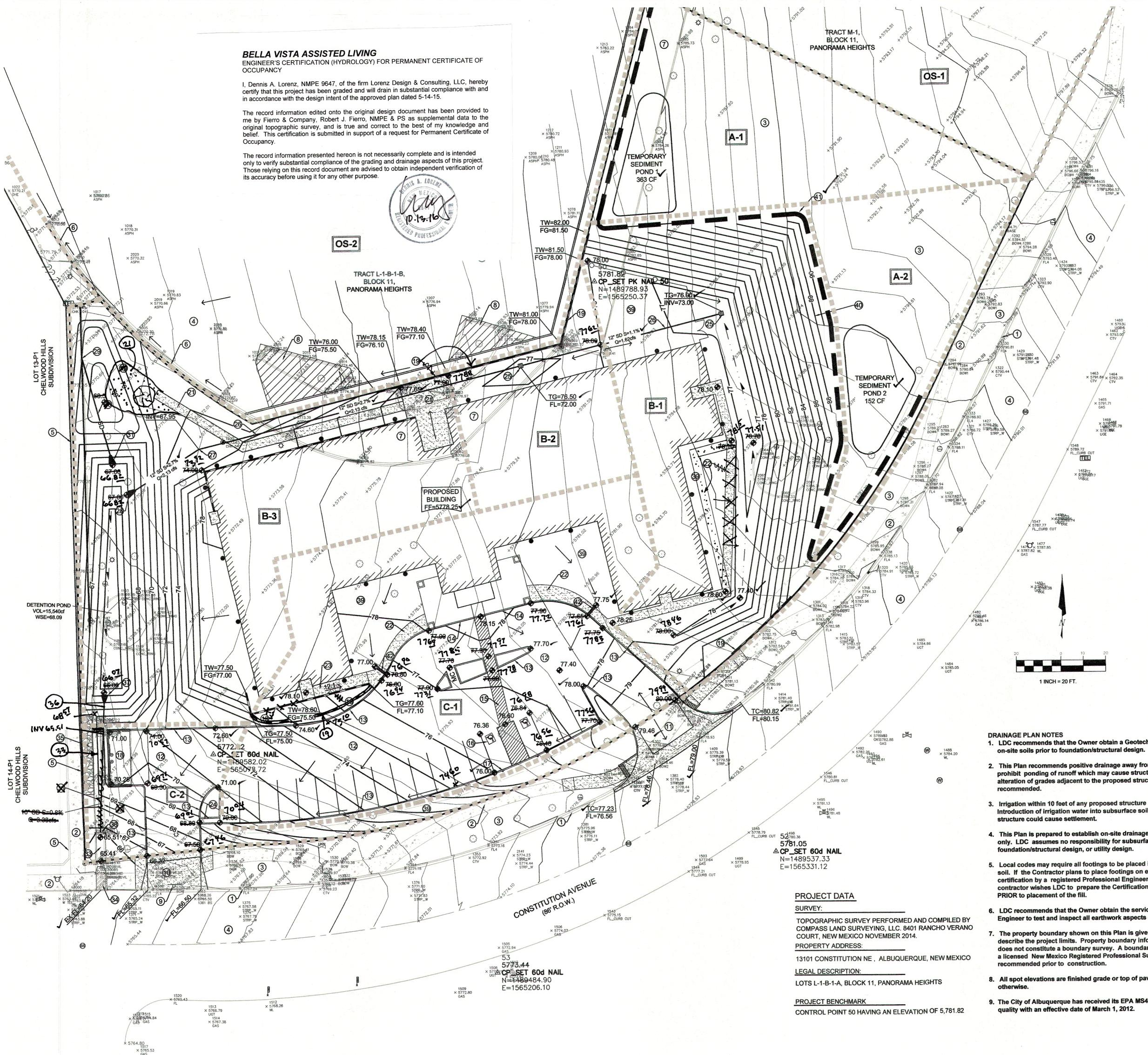
Sincerely.

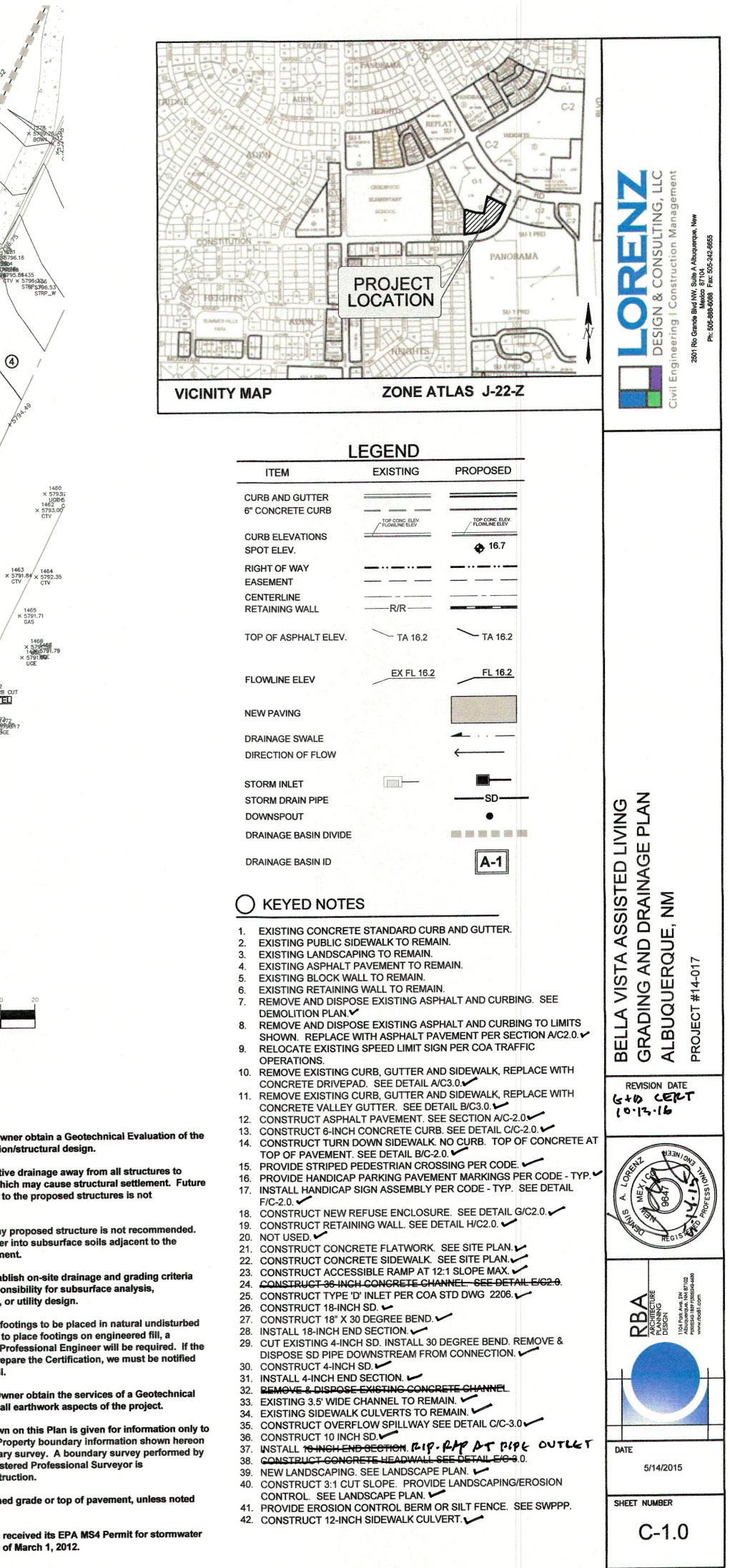
www.cabq.gov

Abiel Carrillo, P.E., Principal Engineer, Planning Department Development and Review Services

TE/AC

C: e-mail, Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Blocker, Lois





1. LDC recommends that the Owner obtain a Geotechnical Evaluation of the

(4)

2. This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not

3. Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the

4. This Plan is prepared to establish on-site drainage and grading criteria only. LDC assumes no responsibility for subsurface analysis,

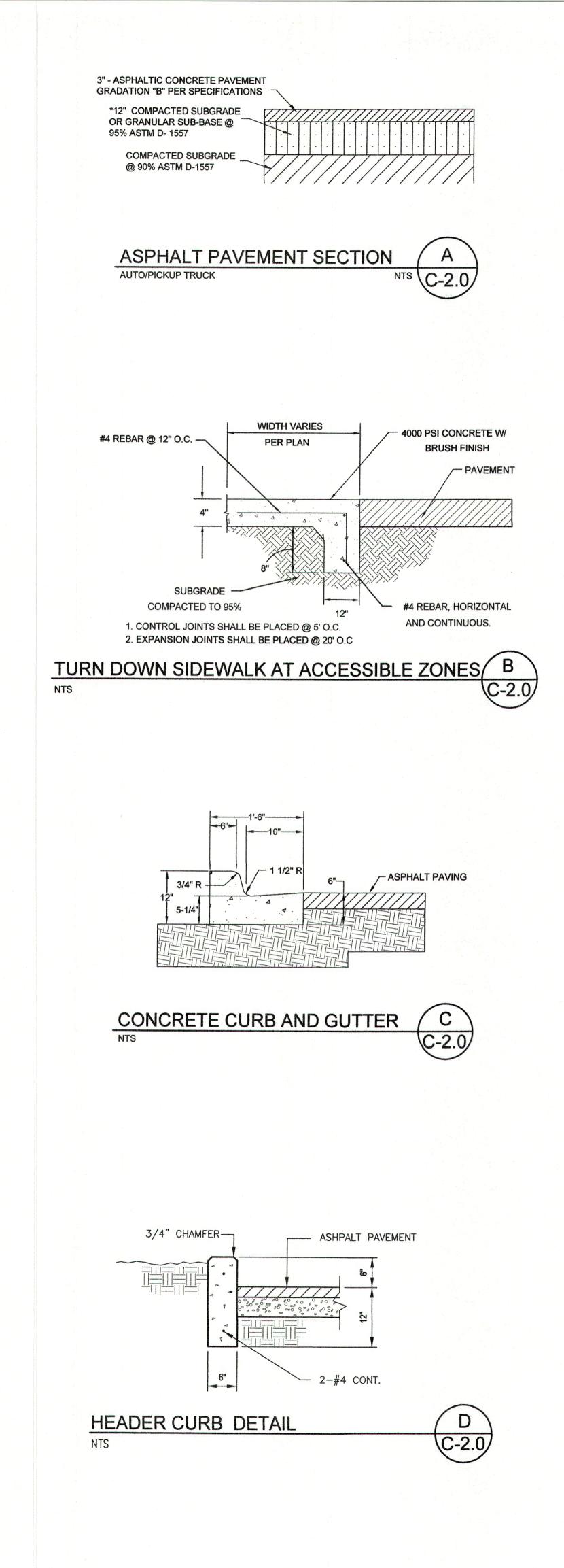
5. Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes LDC to prepare the Certification, we must be notified

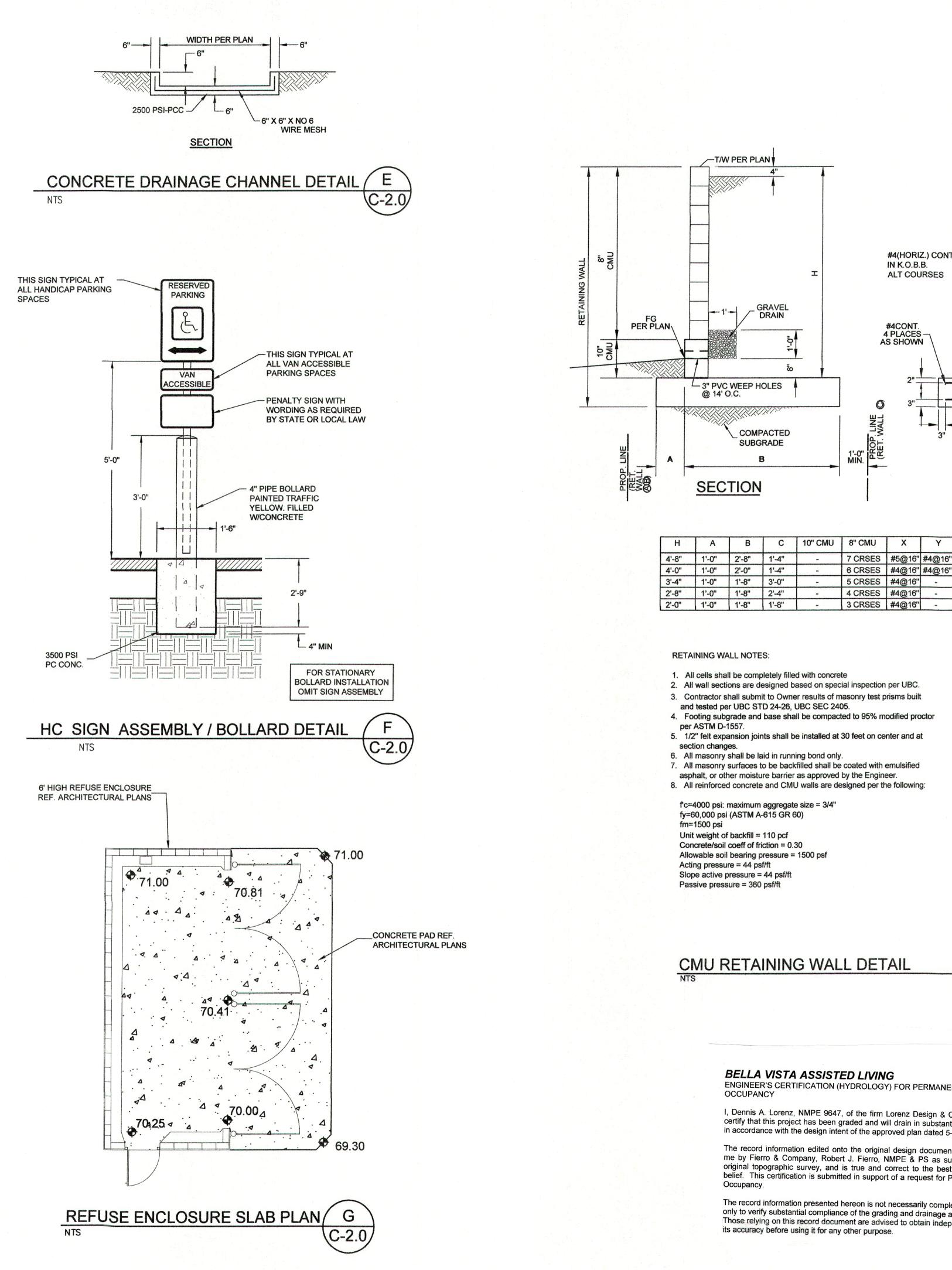
6. LDC recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.

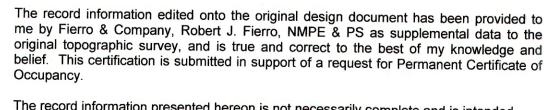
7. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is

8. All spot elevations are finished grade or top of pavement, unless noted

9. The City of Albuquerque has received its EPA MS4 Permit for stormwater







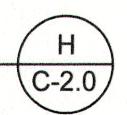
The record information presented hereon is not necessarily complete and is intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

OCCUPANCY

I, Dennis A. Lorenz, NMPE 9647, of the firm Lorenz Design & Consulting, LLC, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 5-14-15.

**BELLA VISTA ASSISTED LIVING** ENGINEER'S CERTIFICATION (HYDROLOGY) FOR PERMANENT CERTIFICATE OF

**CMU RETAINING WALL DETAIL** 



- END

- END X

**BEGIN** 

-1-34" CLR.

-EQ-

REINFORCEMENT

#4(HORIZ.) CONT.-

IN K.O.B.B. ALT COURSES

#4CONT. 4 PLACES -AS SHOWN

X

5 CRSES #4@16"

4 CRSES #4@16"

7 CRSES #5@16" #4@16" #4@16"

6 CRSES #4@16" #4@16" #4@16"

Y

Z

-

-

O

10" CMU 8" CMU

-

-

-

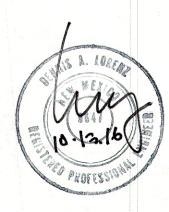
-

GRAVEL DRAIN

COMPACTED SUBGRADE

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C





ASSIST MN BELLA VISTA ASS SITE DETAILS ALBUQUERQUE, 1 PROJECT #14-017 CT CT REVISION DATE 10.13.16 **RBA** ARCHITECTUR PLANNING DESIGN

DATE

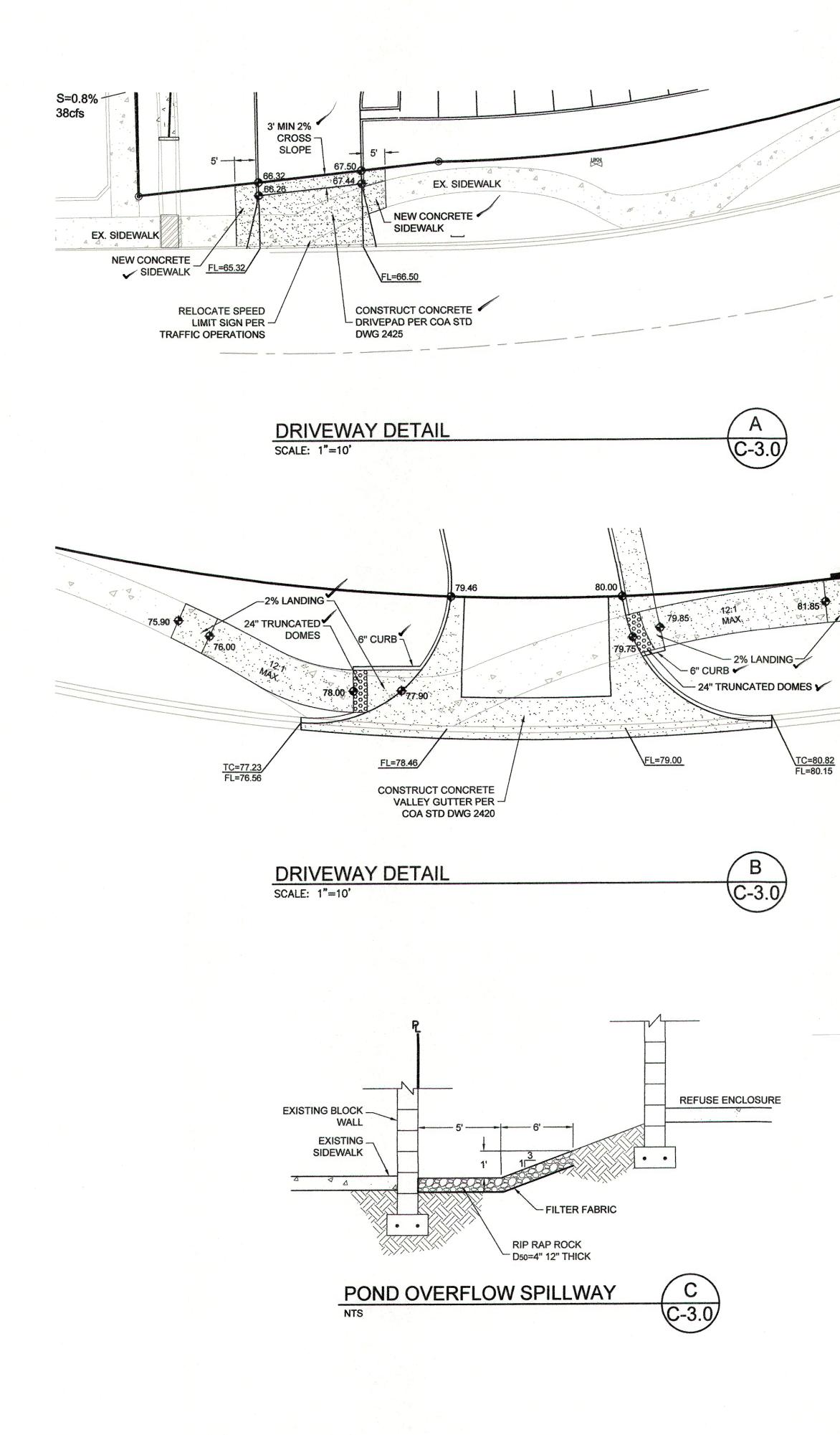
05/14/2015

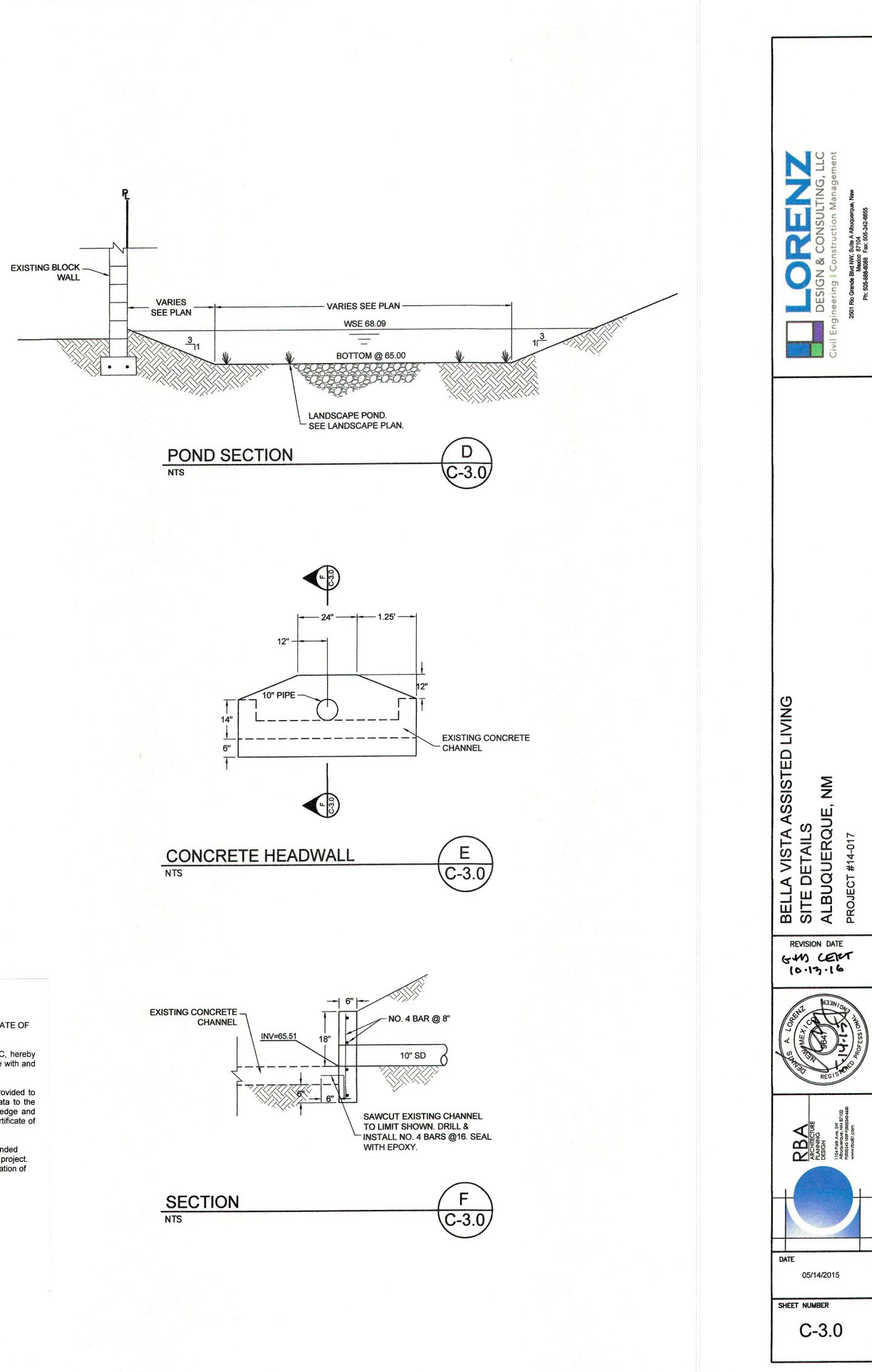
C-2.0

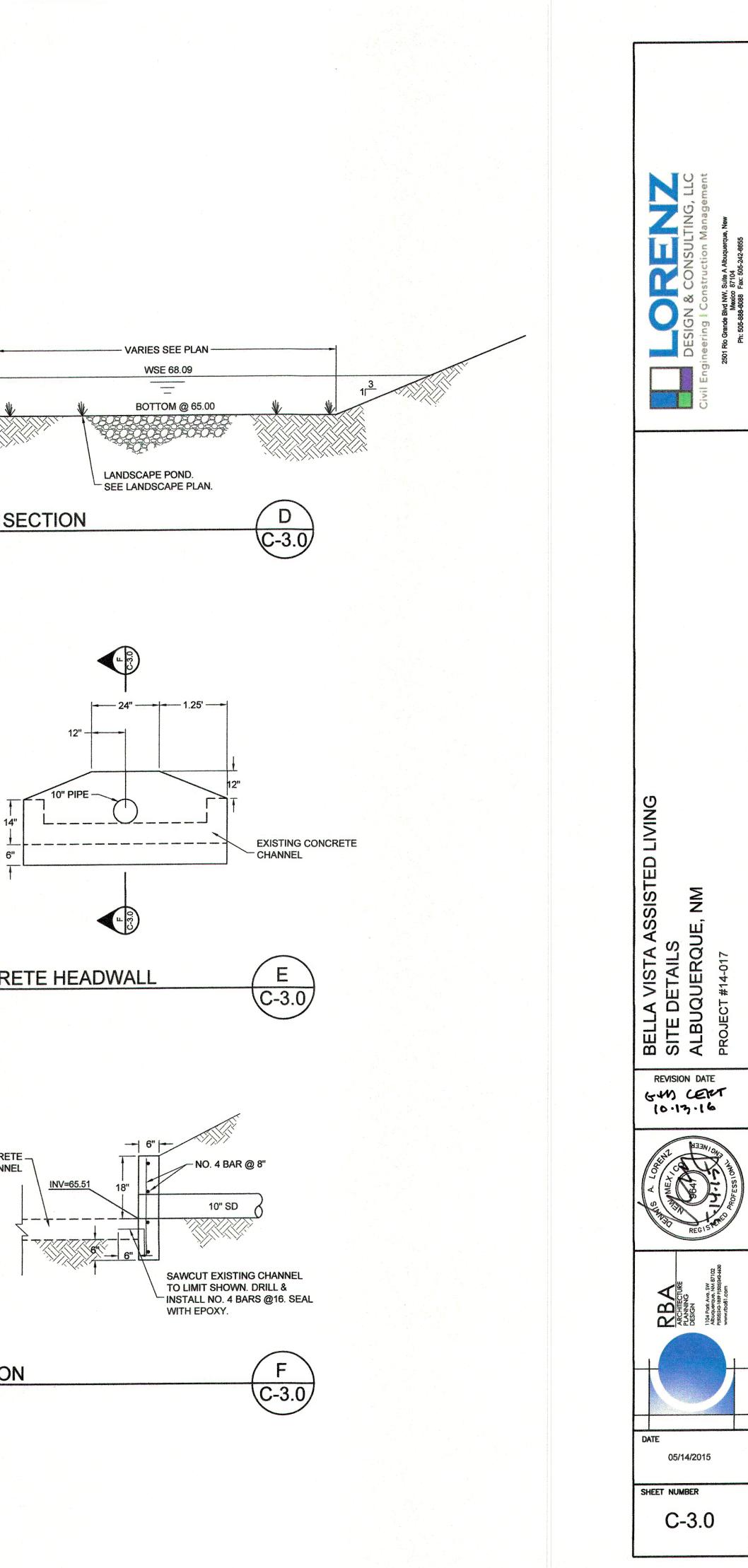
SHEET NUMBER

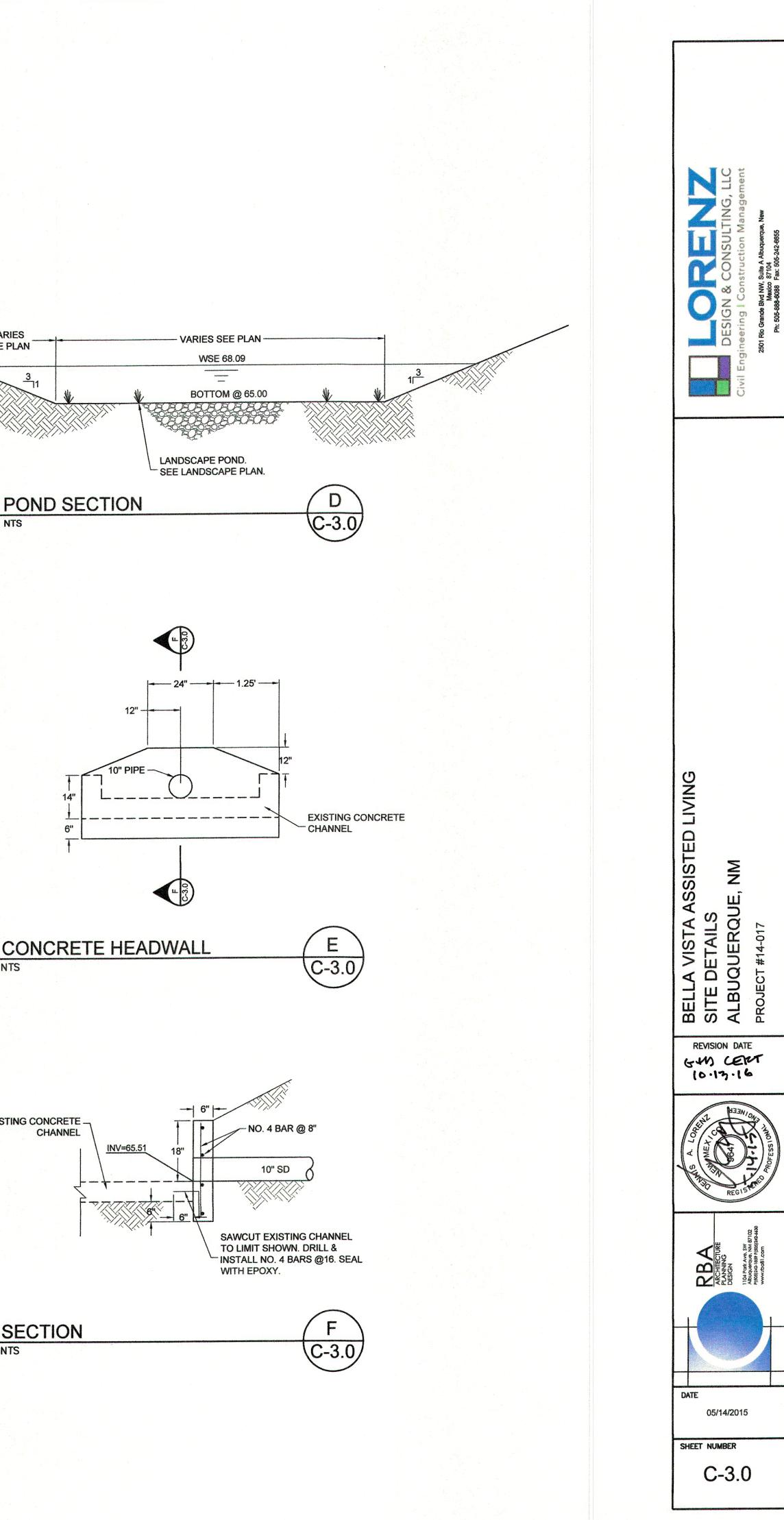
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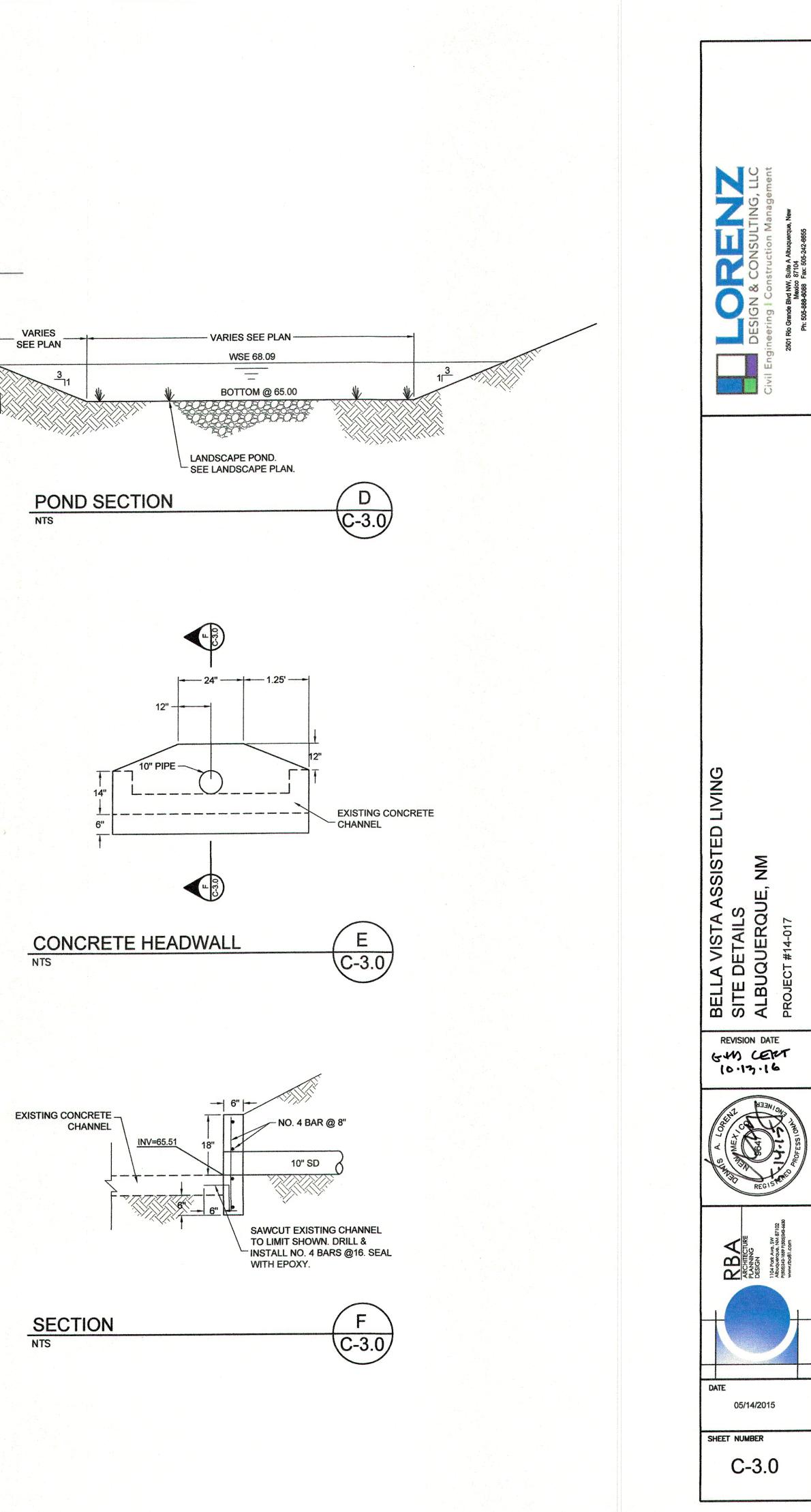


I, Dennis A. Lorenz, NMPE 9647, of the firm Lorenz Design & Consulting, LLC, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 5-14-15.

The record information edited onto the original design document has been provided to me by Fierro & Company, Robert J. Fierro, NMPE & PS as supplemental data to the original topographic survey, and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy.

The record information presented hereon is not necessarily complete and is 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.





## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

PROJECT TITLE:	BELLA VISTA ASSISTED LI EPC#: <u>NA</u>	VING		1AP: _	J-22/D067
DRB#: <u>NA</u>	EPC#: <u>NA</u>			#:	NA
LEGAL DESCRIPTION: <u>LOT L-1-B-1-A, BLOCK 11 PANORAMA HEIGHTS</u>					
CITY ADDRESS: 13101 CONSTITUTION NE					
ENGINEERING FIRM: ADDRESS:	LORENZ DESIGN & CONSU 2501 RIO GRANDE BLVD. N ALBUQUERQUE, NEW MEX	<u>JLTING</u> IW SUITE /	CONTA A PHONE:	CT: <u> </u>	<u>ENNIS LORENZ</u> 888-6088
CITY, STATE:	ALBUQUERQUE, NEW MEX	(ICO	ZIP COD	DE:	87104
	CONSTRUCT SOUTHWES	T		СТ: <u>В</u>	ILL SMITH
ADDRESS: <u>333 RIO RANCHO BLVD NE</u> CITY, STATE: <u>RIO RANCHO, NEW MEXICO</u>			PHONE: <u>891-3695</u> ZIP CODE: <u>87123</u>		
	RICK BENNETT ARCHITEC	TS	CONTA	СТ: <u></u>	R. BENNETT
ADDRESS: CITY_STATE <sup>.</sup>	1104 PARK AVENUE SW ALBUQUERQUE, NEW MEX		PHONE ZIP COI	:	<u>242-1859</u> 87103
SURVEYOR: ADDRESS: CITY, STATE:	COMPASS LAND SURVEYI 8401 RANCHO VERANO NV ALBUQUERQUE, NM CONSTRUCT SOUTHWES 333 RIO RANCHO BLVD N RIO RANCHO, NEW MEXIO	NG	CONTA PHONE ZIP COI	CT: : DE:	LYNN LANTZ 274-1711 87120
DRAINAGE P CONCEPTUA GRADING PL EROSION CC XX ENGINEER'S CLOMR/LOMI TRAFFIC CIR ENGINEER'S	L G & D PLAN AN NTROL PLAN CERT (HYDROLOGY)		PRELIMINARY F S. DEV. PLAN F S. DEV. FOR BL SECTOR PLAN FINAL PLAT API FOUNDATION P BUILDING PERM	GUAR PLAT / OR SL DG. P APPR PROV PROV PROV PROV DF OC DF OC	ANTEE RELEASE APPROVAL JB'D APPROVAL ERMIT APPROVAL OVAL AL T APPROVAL PPROVAL CUPANCY (PERM) CUPANCY (TEMP) PROVAL ROVAL OVAL OVAL
WAS A PRE-DESIGN YES NO COPY PROVI	CONFERENCE ATTENDED: DED				
DATE SUBMITTED:	10-13-2016	BY:	DENNIS	A. LO	RENZ

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

- Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans. 1.
- 2. 3. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

## **CITY OF ALBUQUERQUE**



May 29, 2015

Dennis Lorenz, PE Lorenz Design and Consulting, Inc. 2501 Rio Grande Blvd. NW Suite A Albuquerque, NM 87104

## RE: Bella Vista Assisted Living, 13101 Constitution Avenue NE Grading Plan and Drainage Plan (C-1.0) Engineer's Stamp Date 5-14-2015 (File: J22-D067)

Dear Mr. Lorenz:

Based upon the information provided in your submittal received 5-15-15, the above referenced plans are approved for Building Permit. Please attach a copy of this approved plan in the construction sets when submitting for a building permit.

PO Box 1293 Prior to Certificate of Occupancy release, Engineer Certification per the DPM Checklist will be required. Also, at that time, when making a submittal for request of Certificate of Occupancy, label the two first flush volumes from the drainage report in addition to the detention pond capacity information on the Grading and Drainage Plan itself.

Albuquerque If you have any questions, you can contact me at 924-3924.

New Mexico 87103

www.cabq.gov

Jeanne Wolfenbarger, P.E. Senior Engineer, Planning Dept. Development Review Services

Orig: Drainage file c.pdf Addressee via Email