CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



August 6, 2019

Jeffrey T. Wooten, P.E. Wooten Engineering 1005 21st Street SE, Suite 13 Rio Rancho, NM 87124

RE: 21st Century Academy 4300 Cutler Ave NE Temporary C.O. - Accepted

Engineer's Certification Date: 07/31/19

Engineer's Stamp Date: 04/10/18

Hydrology File: H17D115

PO Box 1293

Dear Mr. Wooten:

Albuquerque

Based on the Certification received 08/01/2019 and site visit on 08/06/19, this certification is approved in support of Temporary Release of Occupancy by Hydrology. The following comment needs to be addressed prior to acceptance for Permanent C.O. of the above referenced project:

NM 87103

www.cabq.gov

- 1. Please redline all the as-built conditions. For example, there were two sidewalk culverts on the approved G&D which was not installed. Instead plastic inlets under the roof drain and piped under the sidewalk to the swale/pond in the rear of the property. Also the approved G&D had swales from the western roof drains to the swale/pond. Again plastic inlets under the roof drain and piped under the sidewalk to the swale/pond was installed.
- 2. Please remove the dirt along the curb.



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3. Please make sure that the plastic inlets have covers on them. There were a few that did not.





4. Please finish pond and swale gravel.

PO Box 1293

Albuquerque

NM 87103

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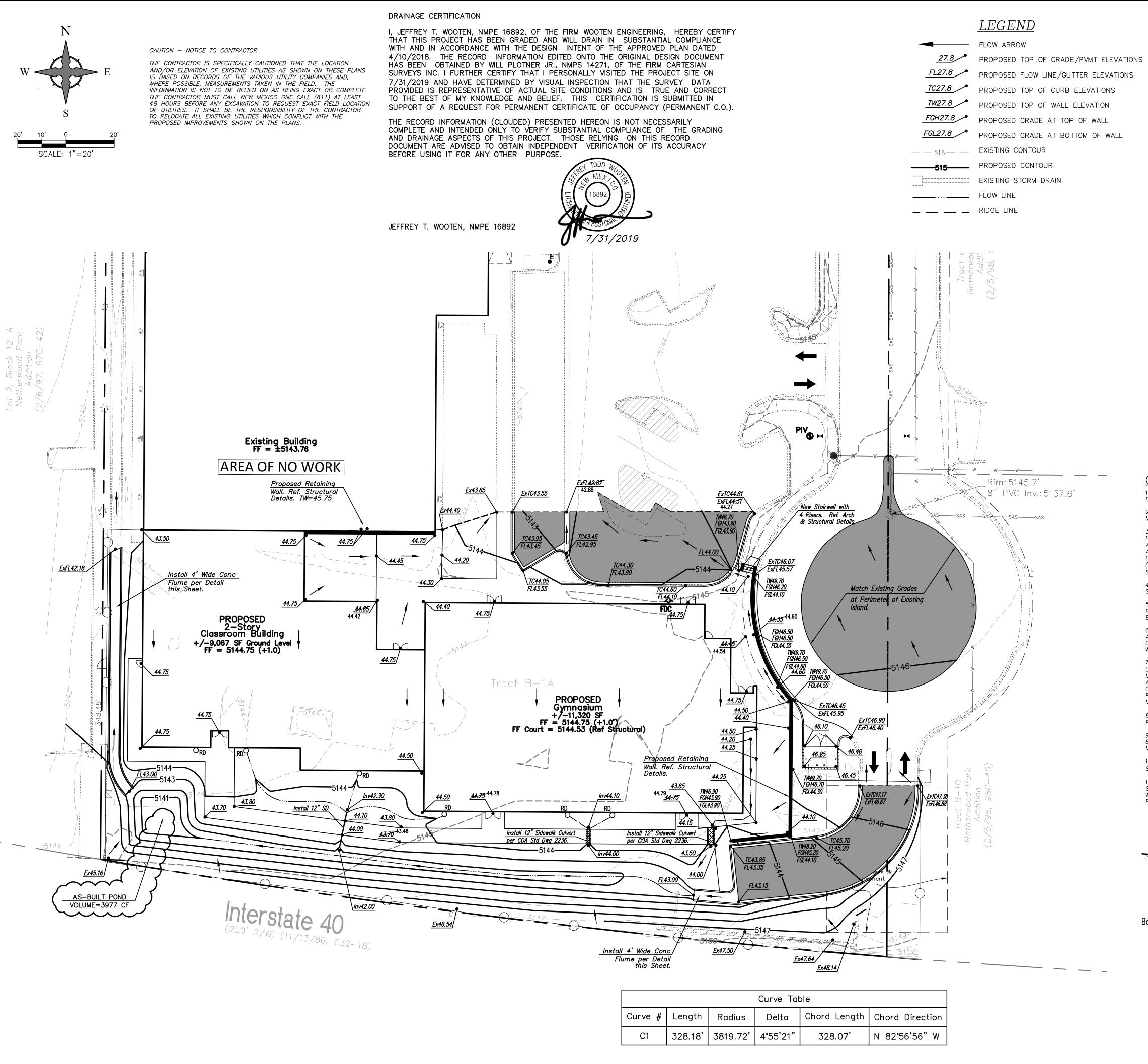


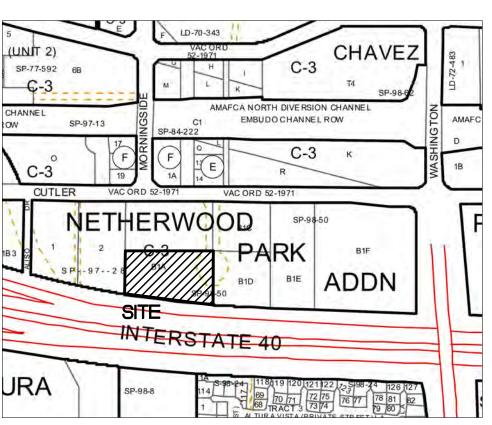
If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Renée C. Brissette

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

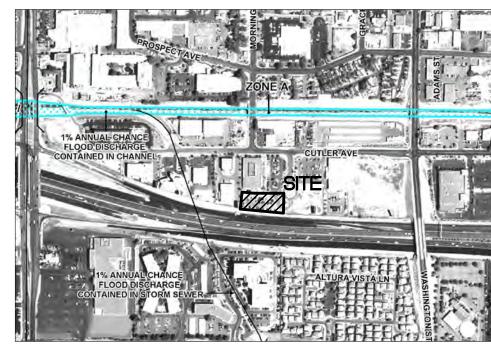
Planning Department





VICINITY MAP Zone Atlas H-17

Legal Description: Tract B—1—A, Netherwood Park Add'n

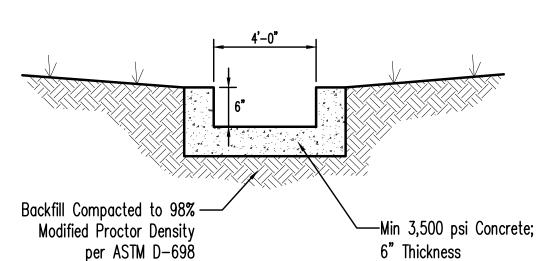


FIRM MAP 35001C0351H

Per FIRM Map 35001C0351H, dated August 16, 2012, the site is not located in the 'Zone X Floodplain' and determined to be within the 0.2% chance Annual Floodplain area with depths of less than 1 foot.

GRADING NOTES

- 1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
- 2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- 3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
- 4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
- 5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED
- 6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT—OF—WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
- 7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- 8. PAVING AND ROADWAY GRADES SHALL BE $\pm/-$ 0.05' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE $\pm/-$ 0.05' FROM BUILDING PLAN ELEVATION.
- 9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.
- 10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION (IF APPLICABLE) PRIOR TO BEGINNING CONSTRUCTION.
- 11. THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.



per ASTM D-698

Concrete Flume Detail

WE

Wooten Engineering

1005 21st St SE Suite 13 Rio Rancho, N.M. 87124 Phone: (505) 980-3560



PO BOX 1515 CEDAR CREST NM, 87008 DANIEL@ARIASCINC.COM (505) 506-2314



Classroom and Gymnasium

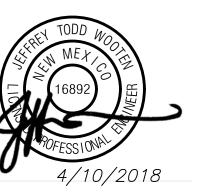
Addition for:

21st Century

Public Academy

4300 CUTLER AVE. NE ALBUQUERQUE, NM 87110

Architect/Engineer



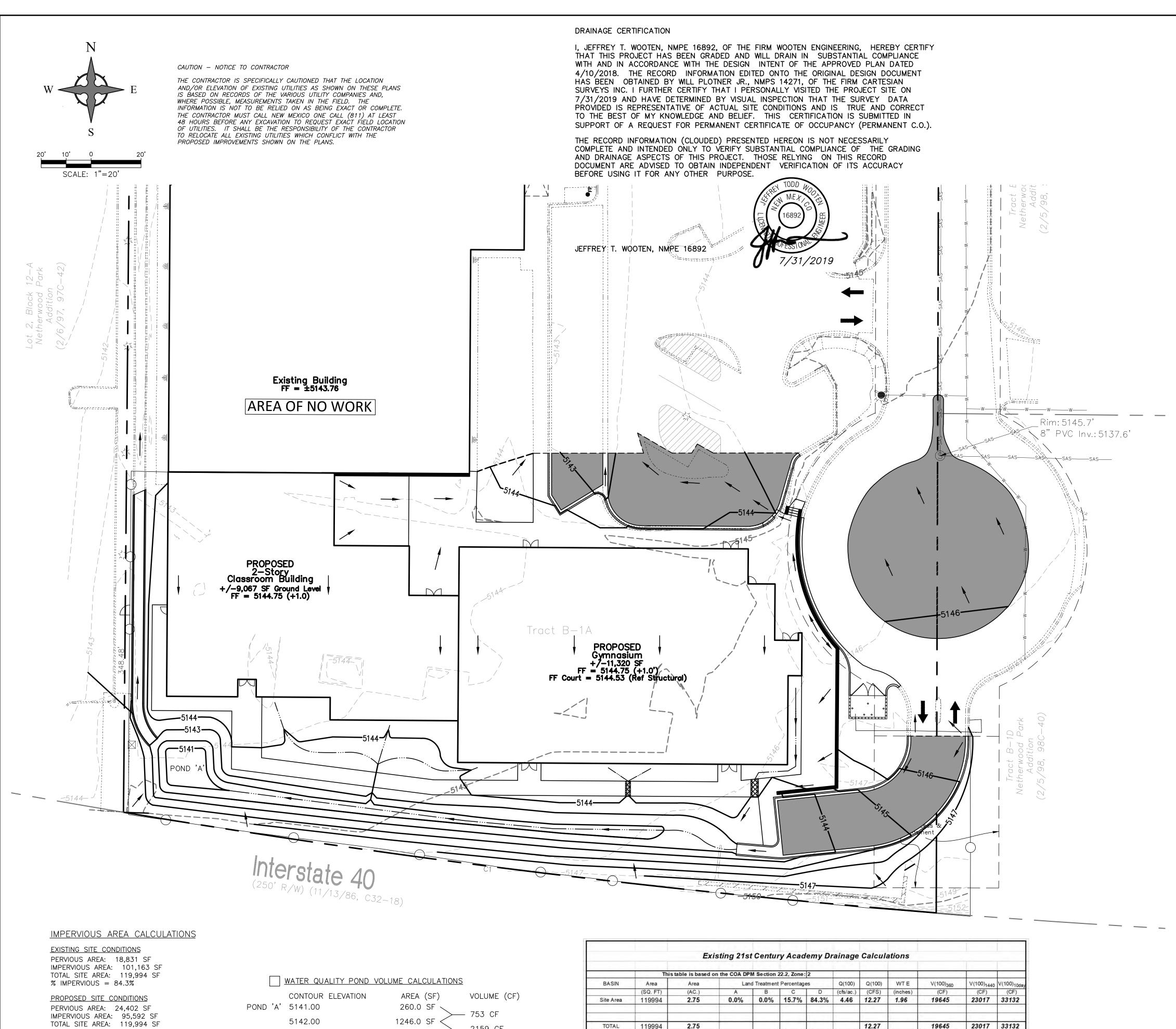




MARK	DATE	DESCRIPTION	
REVISIONS			
ISSUE		100% Plans	
PROJECT NO		2017031	
CAD DWG FILE			
DRAWN BY		RMG	
CHECKED BY		JTW	
DATE		4/10/2018	

GRADING PLAN

C101



2912 CF 3977 CF

Site Area

TOTAL 119994 2.75

% IMPERVIOUS = 79.7%

% IMPERVIOUS = 70.2%

PERVIOUS AREA: 15,800 SF

IMPERVIOUS AREA: 37,141 SF TOTAL PROJECT AREA: 52,941 SF

PROPOSED PROJECT AREA CONDITIONS

WATER QUALITY VOLUME CALCULATION

TOTAL PROJECT IMPERVIOUS AREA = 37,141 SF

FIRST FLUSH = 37,141 * 0.34" / 12 = 1.052 CF

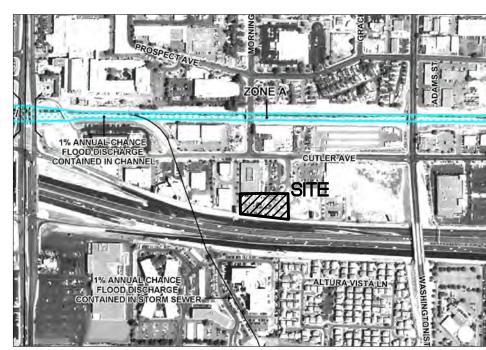
5143.00

TOTAL

EMBUDO CHANNEL ROW SP-97-13 INTERSTATE 40

VICINITY MAP Zone Atlas H-17

Legal Description: Tract B—1—A, Netherwood Park Add'n



FIRM MAP 35001C0351H

Per FIRM Map 35001C0351H, dated August 16, 2012, the site is not located in the Zone X Floodplain and determined to be within the 0.2% chance Annual Floodplain area with depths of less than 1 foot.

DRAINAGE MANAGEMENT PLAN

The purpose of this submittal is to provide a final drainage management plan for the Redevelopment of Tract B-1-A, Netherwood Park Addition, located at 4300 Cutler Ave NE per the Vicinity Map this sheet. The site area is approximately 2.75 acres; however, the project area is approximately 1.52 acres and consists of the southern portion of the site. The site is located in COA Hydrologic Zone 2.

EXISTING HYDROLOGIC CONDITIONS

The site currently consists of a $\pm 25,309$ SF Commercial Building with associated parking and landscaping. The site currently drains from south to north and onto Cutler Ave NE at two separate discharge points. Per the Calculations table this sheet, the total existing flow discharging from the site is 12.27 cfs (19,645 CF) during the 100-Yr, 6-Hr Storm Event.

PROPOSED HYDROLOGIC CONDITIONS

The project consists of removing the existing parking lot on the south side of the existing building to allow for the construction of a new 2-Story Classroom Building and a new Gymnasium. The proposed site will continue to drain from south to north and onto Cutler Ave NE using the two existing discharge points. Due to the reduction in impervious areas, there is a decrease in runoff from the site. Per the Calculations table this sheet, the total proposed runoff discharging from the site is 12.07 cfs (19,189 CF) during the 100—Yr, 6—Hr Storm Event. In addition, the runoff volume discharging from the site will be reduced by an additional 2,912 CF due to the new Water Quality Pond described below. The total reduction of runoff volume is 3,368 CF.

WATER QUALITY VOLUME CALCULATIONS

Per the Water Quality Volume Calculations this sheet, the total Water Quality Pond Volume required to be collected for the site is 1,052 CF. Per the Water Harvesting Pond Calculations table this sheet, we are actually retaining 2,912 CF of volume from the site which provides 1,860 CF of additional storage than required.

12.27

12.07

19189

22377 31941

19189 22377 31941

Q(100)

C D (cfs/ac.)

0.0% 0.0% 20.3% 79.7% 4.38 12.07

Proposed 21st Century Academy Drainage Calculations Ultimate Development Conditions Basin Data Table

nis table is based on the COA DPM Section 22.2, Zone: 2

This drainage management plan provides for grading and drainage elements which reduce the impact to downstream systems; are capable of safely passing the 100 year storm, do not burden downstream systems, and meet city requirements. With this submittal, we are requesting Building Permit approval.



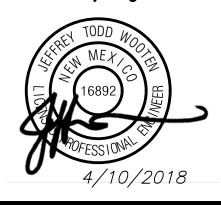
STUDIO CONSULTANTS, INC PO BOX 1515 CEDAR CREST NM, 87008 DANIEL@ARIASCINC.COM (505) 506-2314



Classroom and Gymnasium Addition for: 21st Century Public Academy

4300 CUTLER AVE. NE ALBUQUERQUE, NM 87110

Architect/Engineer







MARK	DATE	DESCRIPTION	
REVISIONS			
ISSUE		100% Plans	
PROJEC	T NO	2017031	
CAD D	NG FILE		
DRAWN	BY	RMG	
CHECKE	D BY	JTW	
DATE		4/10/2018	

DRAINAGE MANAGEMENT PLAN

C102

Wooten Engineering Phone: (505) 980-3560

PRIVATE FACILITY DRAINAGE COVENANT

	(Covenant), between Cutier Charlable Foundation
("Owner"), whose address is	4300 Cutler Ave NE, Albuquerque, NM 87110
and whose telephone number is (and the City of Albuquerque, New Mexico,
a municipal corporation whose a	address is P.O. Box 1293, Albuquerque, New Mexico 87103, is
made in Albuquerque, Bernalillo	County, New Mexico and is entered into as of the date Owner
signs this Covenant.	J, and a since of the date owner
1. Recital. The Own	ner is the current owner of the following described real property
located at [give legal description, 4300 Cutler Ave NE	, and street address]
ALBUQUERQUE, NM 87110	
Legal Description: Tract B-1A, Nethe	erwood Park
0/5/1000	pagesthrough, as Document No. Book 98C, Page 40
	ounty Clerk, State of New Mexico (the "Property").
rectus of the Bernamio Ci	ounty Cicik, State of New Mexico (the Property").
Pursuant to City ordinance	es, regulations and other applicable laws, the Owner is required to
construct and maintain certain dra	ninage facilities on the Property, and the parties wish to enter into
this Covenant to establish the obl	igations and responsibilities of the parties.
	Against and responsibilities of the parties.
2. Description and Co	onstruction of Drainage Facility. The Owner shall construct the
following "Drainage Facility" wit	thin the Property at the at the Owner's sole expense in accordance
with the standards, plans and spec	cifications approved by the City:
New Stormwater Quality Pond as shown on E	Exhibit 'A'
The Drainage Facility is m	nore particularly described in Exhibit A attached hereto and
made a part hereof.	particularly described in Exmort A attached hereto and
1	
3. Maintenance of Dra	ainage Facility. The Owner shall maintain the Drainage Facility at
Owner's sole cost in accordance v	with the approved Drainage Report and plans.
v v	with the approved Dramage Report and plans.
4. Benefit to Property	y. The Owner acknowledges and understands that the Drainage
Facility required herein to be con	astructed on the Owner's property is for the private benefit and
protection of the Owner's property	y and that failure to maintain such facility could result in damage
or loss to the Property.	and that failure to maintain such facility could result in damage
and the property.	

6. <u>Liability of City</u>. The Owner understands and agrees that the City shall not be liable

Inspection of Drainage Facility. The City shall have no duty or obligation

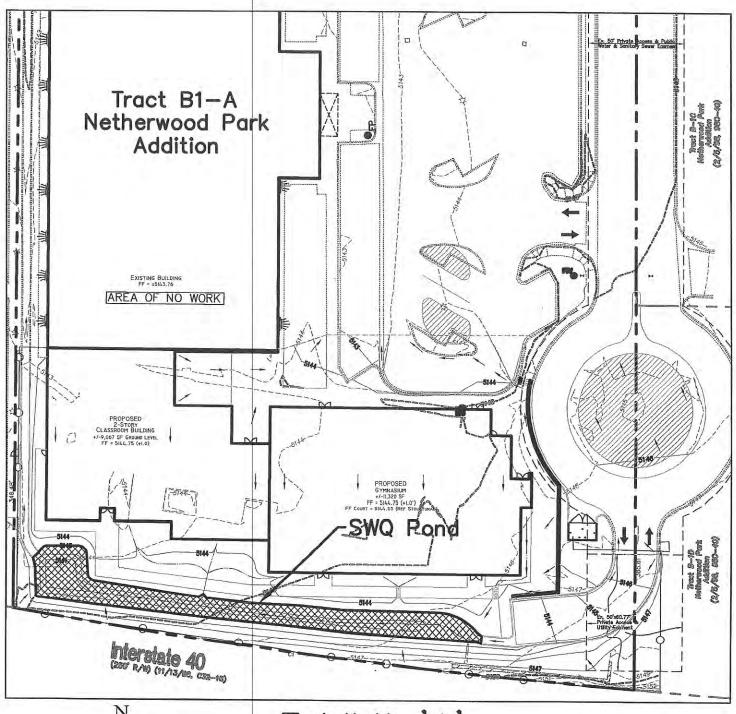
whatsoever to perform any inspection, maintenance or repair of the Drainage Facility, it being the duty of the Owner, its heirs, successors and assigns to construct and maintain the facility in

accordance with approved plans and specifications.

to the Owner, its heirs, successors or assigns, or to any third parties for any damages resulting from the Owner's failure to construct, maintain or repair the Drainage Facility.

- 7. Indemnification. The Owner owns and controls the Drainage Facility and shall not permit the Drainage Facility to constitute a hazard to the health or safety of the general public. The Owner agrees to indemnify, defend and hold harmless the City, its officials, agents and employees, from any claims, actions, suits or other proceedings arising from or out of the negligent acts or omissions of the Owner, its agents, representatives, contractors or subcontractors or arising from the failure of the Owner, its agents, representatives, contractors or subcontractors to perform any act or duty required of the Developer or Owner herein; provided, however, to the extent, if at all, Section 56-7-1 NMSA 1978 is applicable to this Covenant, this Covenant to indemnify will not extend to liability, claims, damages, losses or expenses, including attorneys' fees, arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications by the respective indemnitee, or the agents or employees of the respective indemnitee; or (2) the giving of or the failure to give direction or instructions by the respective indemnitee, where such giving or failure to give directions or instructions is the primary cause of bodily injury to persons or damage to property.
- 8. <u>Assessment.</u> Nothing in this Covenant shall be construed to relieve the Owner, its heirs, assigns and successors from an assessment against the Owner's property for improvements to the property under a duly authorized and approved Special Assessment District. The parties specifically agree that the value of the Drainage Facility will not reduce the amount assessed by the City.
- 9. <u>Binding on Owner's Property</u>. The covenants and obligations of the Owner set forth herein shall be binding on the Owner, its heirs, assigns and successors and on the Owner's property and constitute covenants running with the Owner's property until released by the City. This Covenant can only be released by the City's Chief Administrative Officer with concurrence of the City Engineer.
- 10. Entire Covenant. This Covenant contains the entire agreement of the parties and supersedes any and all other agreements or understandings, oral or written, whether previous to the execution hereof or contemporaneous herewith.
- 11. <u>Changes to Covenant</u>. Changes to this Covenant are not binding unless made in writing, signed by both parties.
- 12. <u>Effective Date of Covenant</u>. This Covenant shall be effective as of the date of signature of the Owner.

OWNER:	CITY OF ALBUQUERQUE:
By [signature]:	By:
Name [print]: Alec Ho	Shahah Diagon D.E. City and in
Title: President	Dated:
Title: <u>President</u> Dated: 3/5/3019	
	OWNER'S ACKNOWLEDGMENT
STATE OF NEW MEXICO	
COUNTY OF BERNALILL)ss (O)
President	(name of person signing permit), (title of person signing permit) of Notary Public My Commission Expires:
	CITY'S ACKNOWLEDGMENT
STATE OF NEW MEXICO))ss
COUNTY OF BERNALILLO	0)
This instrument was a	acknowledged before me on this day of by Shahab Biazar, P.E., City Engineer, of the City of Albuquerque,
a municipal corporation, on b	behalf of said corporation.
(SEAL)	Notary Public My Commission Expires:
	(EXHIBIT A ATTACHED)



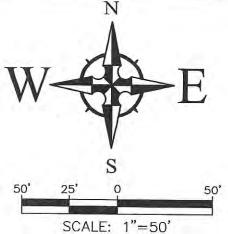


Exhibit 'A'



WESTERN UNION FINANCIAL SERVICES INC. - ISSUER - Englewood, Colorado
Payable at Wells Fargo Bank Grand Junction - Downtown, N.A., Grand Junction, Colorado

Payable at Wells Fargo Bank Grand Junction - Downtown, N.A., Grand Junction, Colorado

17-673427356

A 715254 D 080419

176734273562 L 000496

PAY EXACTLY TWENTY-FIVE DOLLARS AND NO CENTS
PAY TO THE ORDER OF A Languer que Cutter Colorado

4300 Cutter Hasens, Paragraphy N.M. 87100

MONEY
ORDER

176734273562 L 000496

PAY TO THE ORDER OF A Languer que Cutter Colorado

4300 Cutter Hasens, Paragraphy N.M. 87100

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ORDER

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MONEY
ORDER

176734273562 L 000496

PAY EXACTLY TWENTY-FIVE DOLLARS AND NO CENTS
PAY TO THE ORDER OF A Languer que Cutter Colorado Colorado

HIGHAGERS SIGNATURE
PROGRAMM FIRME ON THE REVISES ENTO THE TENES ON THE REVISES EN

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