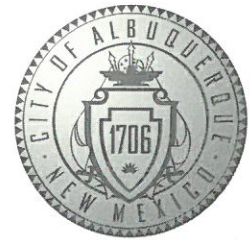


CITY OF ALBUQUERQUE



March 27, 2019

Scott Eddings, PE
Huitt-Zollers Inc.
6561 Americas Parkway NE
Albuquerque, NM 87110

Re: Central and Unser Transit Center
8081 Central Ave NW
Request Temporary C.O. - Accepted
Engineer's Stamp dated: 3-17-17 (K10D053)
Certification dated: 3-26-19

Dear Mr. Eddings,

Based on the Certification received 3/27/2019, Hydrology has no objection to the issuance of a Temporary Certification of Occupancy based solely on the Hydrology Certification received from Scott Eddings, PE and no site visit by City of Albuquerque Hydrology department. This letter serves as a "green tag" from Hydrology for Temporary Certificate of Occupancy to be issued by the Building and Safety Division.

Prior to the issuance of a permanent Certificate of Occupancy, the Hydrology Department must receive a complete acceptable submittal package from the applicant. An inspection of the site must be conducted by the COA Hydrology Department with all site improvements in compliance with all City of Albuquerque Standards.

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

Sincerely,

James D. Hughes, P.E.
Principal Engineer, Planning Dept.
Development and Review Services

TE/DH

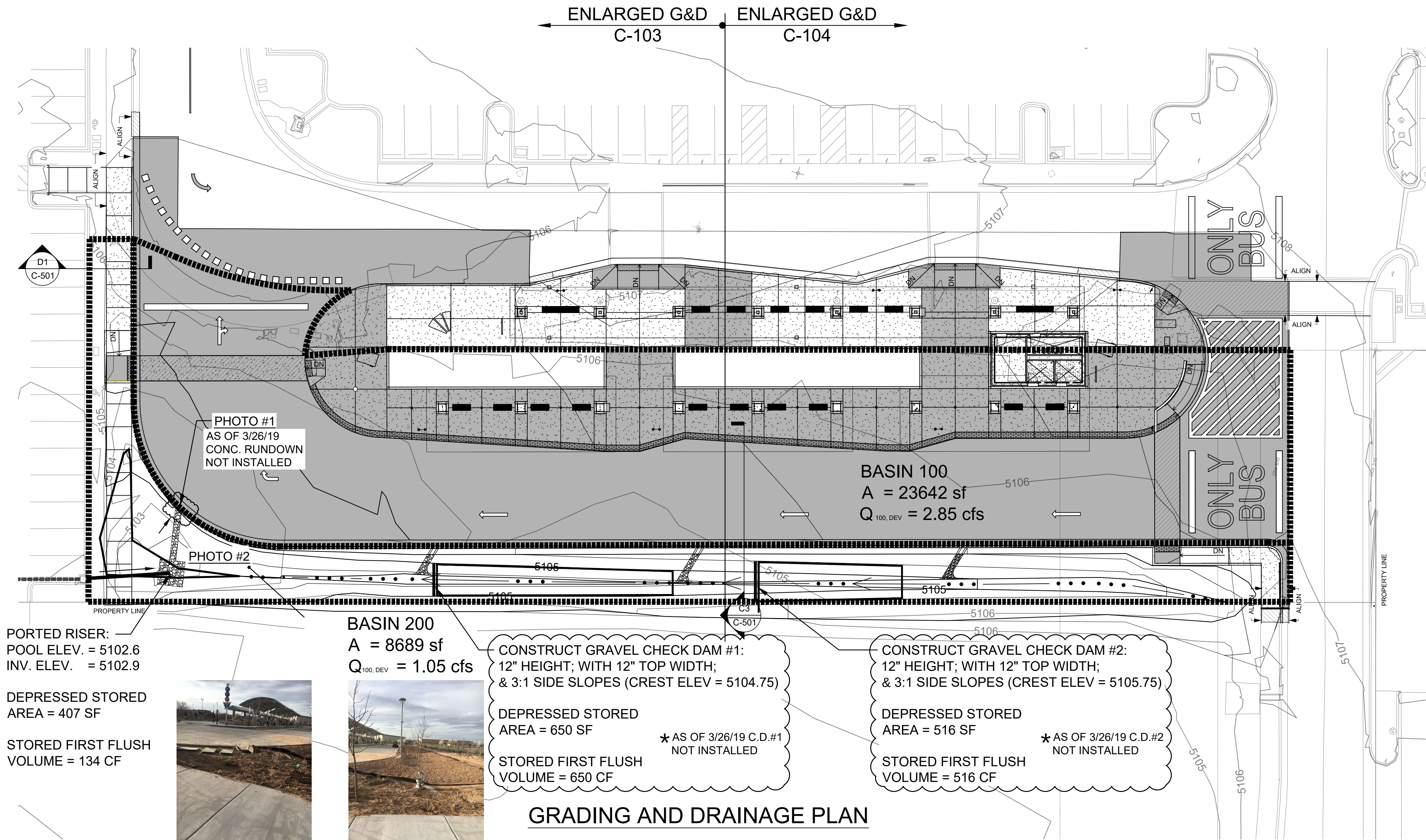
C: email, Costilla, Michelle; Fox, Debi; Tena, Victoria; Sandoval, Darlene M.

D

C

B

Plotted: 3/27/2019 2:04:48 PM By: Kaitiaki Lybeck
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Last Saved: 3/27/2019 12:28:11 PM



HYDROLOGY

PHOTO #1

PHOTO #2

Basin 100		AREA =	0.54 ac.
DRAINAGE ZONE 4			
PRECIPITATION:		360 =	2.90 in.
		1140 =	3.65 in.
		10day =	5.95 in.
EXCESS PRECIPITATION:		PEAK DISCHARGE:	
TREATMENT A	0.80 in.	2.20	cfs/ac.
TREATMENT B	1.08 in.	2.92	cfs/ac.
TREATMENT C	1.46 in.	3.73	cfs/ac.
TREATMENT D	2.64 in.	5.25	cfs/ac.
EXISTING CONDITIONS:		PROPOSED CONDITIONS:	
TREATMENT A	0.54 ac.	0.00 ac.	
TREATMENT B	0.00 ac.	0.00 ac.	
TREATMENT C	0.00 ac.	0.00 ac.	
TREATMENT D	0.00 ac.	0.54 ac.	
Total		0.54 ac.	
EXISTING EXCESS PRECIPITATION:			
Weighted E = (0.80 x(0.54)+(1.08 x(0.00)+(1.46 x(0.00)+(2.64 x(0.00)/ 0.54 ac.			
= 0.80 in.			
V100-360 = (0.80 x(0.54)/ 12 = 0.036183 ac-ft = 1576 cf			
EXISTING PEAK DISCHARGE:			
Q100 = (2.20 x(0.54)+(2.92 x(0.00)+(3.73 x(0.00)+(5.25 x(0.00)= 1.19 cfs			
PROPOSED EXCESS PRECIPITATION:			
Weighted E = (0.80 x(0.00)+(1.08 x(0.00)+(1.46 x(0.00)+(2.64 x(0.54)/ 0.54 ac.			
= 2.64 in.			
V100-360 = (2.64 x(0.54)/ 12.0 = 0.119404 ac-ft = 5201 cf			
V100-1440 = (0.12 x(0.54 x(3.65 - 2.90)/ 12 = 0.153326 ac-ft = 6679 cf			
V100-10day = (0.12 x(0.54 x(5.95 - 2.90)/ 12 = 0.257352 ac-ft = 11210 cf			
PROPOSED PEAK DISCHARGE:			
Q100 = (2.20 x(0.00)+(2.92 x(0.00)+(3.73 x(0.00)+(5.25 x(0.54)= 2.85 cfs			

Basin 200		AREA =	0.20 ac.
DRAINAGE ZONE 4			
PRECIPITATION:		360 =	2.90 in.
		1140 =	3.65 in.
		10day =	5.95 in.
EXCESS PRECIPITATION:		PEAK DISCHARGE:	
TREATMENT A	0.80 in.	2.20	cfs/ac.
TREATMENT B	1.08 in.	2.92	cfs/ac.
TREATMENT C	1.46 in.	3.73	cfs/ac.
TREATMENT D	2.64 in.	5.25	cfs/ac.
EXISTING CONDITIONS:		PROPOSED CONDITIONS:	
TREATMENT A	0.20 ac.	0.00 ac.	
TREATMENT B	0.00 ac.	0.00 ac.	
TREATMENT C	0.00 ac.	0.00 ac.	
TREATMENT D	0.00 ac.	0.20 ac.	
Total		0.20 ac.	
EXISTING EXCESS PRECIPITATION:			
Weighted E = (0.80 x(0.20)+(1.08 x(0.00)+(1.46 x(0.00)+(2.64 x(0.00)/ 0.20 ac.			
= 0.80 in.			
V100-360 = (0.80 x(0.20)/ 12 = 0.013298 ac-ft = 579 cf			
EXISTING PEAK DISCHARGE:			
Q100 = (2.20 x(0.20)+(2.92 x(0.00)+(3.73 x(0.00)+(5.25 x(0.00)= 0.44 cfs			
PROPOSED EXCESS PRECIPITATION:			
Weighted E = (0.80 x(0.00)+(1.08 x(0.00)+(1.46 x(0.00)+(2.64 x(0.20)/ 0.20 ac.			
= 2.64 in.			
V100-360 = (2.64 x(0.20)/ 12.0 = 0.043884 ac-ft = 1912 cf			
V100-1440 = (0.04)+(0.20 x(3.65 - 2.90)/ 12 = 0.058351 ac-ft = 2455 cf			
V100-10day = (0.04)+(0.20 x(5.95 - 2.90)/ 12 = 0.094583 ac-ft = 4120 cf			
PROPOSED PEAK DISCHARGE:			
Q100 = (2.20 x(0.00)+(2.92 x(0.00)+(3.73 x(0.00)+(5.25 x(0.20)= 1.05 cfs			

FIRST FLUSH

VOL = 23,642 SF x 0.34 IN = 670 CF
VOL PROVIDED = 519 CF

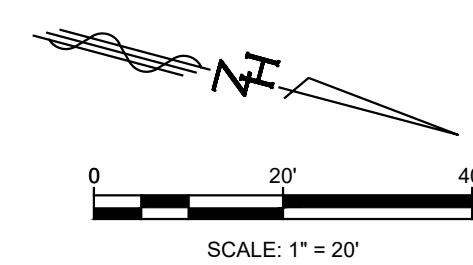
DRAINAGE CERTIFICATION

I, SCOTT A. EDDINGS, NMPE 12856, OF THE FIRM 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 3/17/2017 THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED FROM KIM STELZER, NMPS 7483, OF THE FIRM HUITT-ZOLLARS, INC.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF 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 A TEMPORARY CERTIFICATE OF OCCUPANCY FOR CENTRAL AND UNSER TRANSIT CENTER.

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.

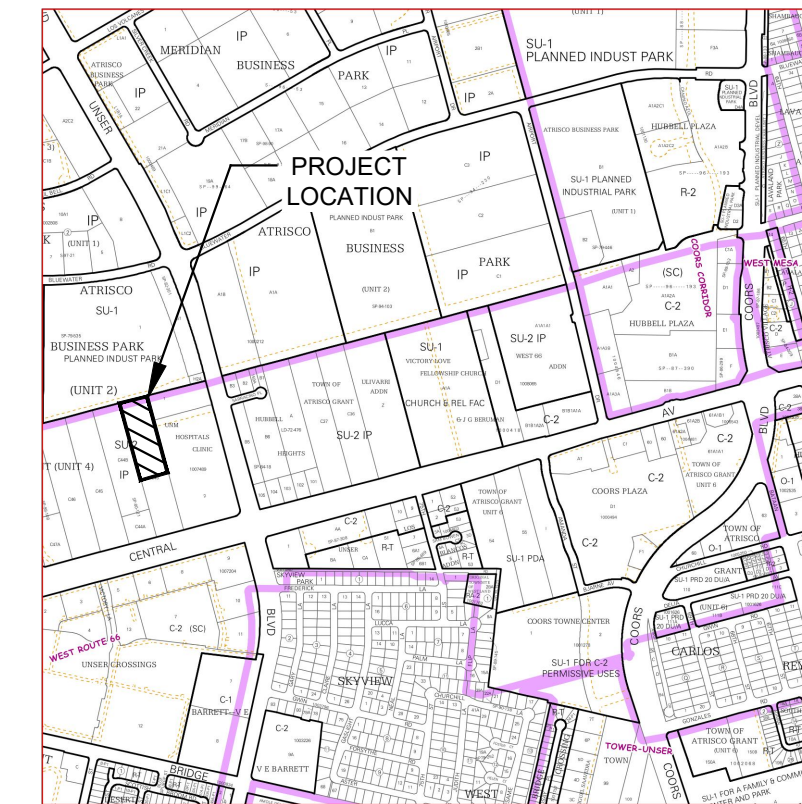
Scott A. Eddings 3/26/19
SCOTT A. EDDINGS, NM P.E. 12856 DATE



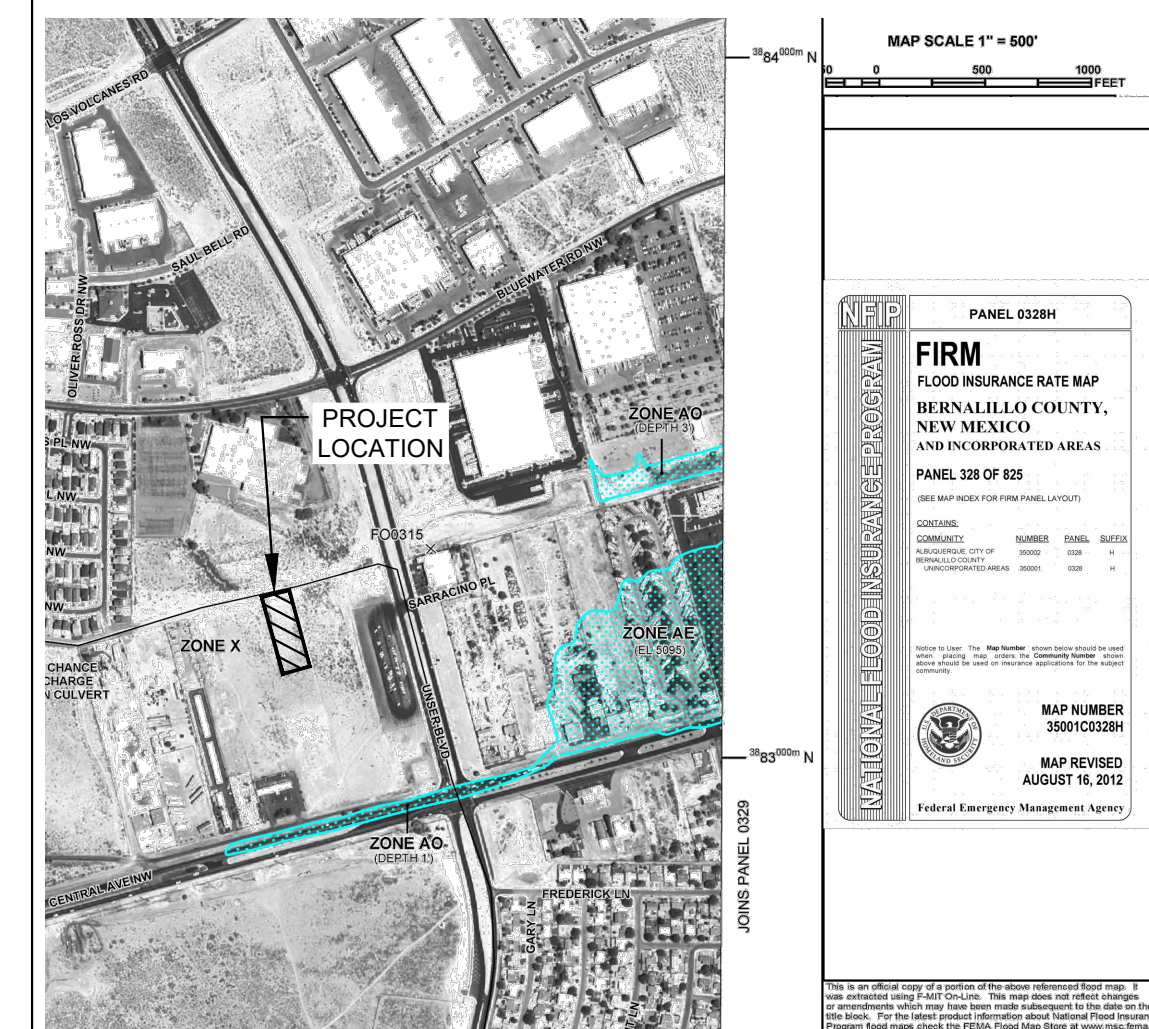
DRAINAGE NARRATIVE:

PROJECT DISTURBS APPROXIMATELY 0.74 AC OF PREVIOUSLY GRADED LANDS TO SUPPORT THE CITY OF ALBUQUERQUE TRANSIT DEPARTMENT PROJECT TO EXPAND THE CENTRAL/ UNSER TRANSIT CENTER. THE PROJECT EXPANDS THE LOADING PLATFORM AND CONSTRUCTS AN ADDITIONAL BUS LANE. DRAINAGE FOR THE PROJECT IS IN ACCORDANCE WITH THE DRAINAGE MASTER PLAN PREPARED BY HIGHT MESA DATED 8/20/13 WHICH ALLOWS FOR FREE DISCHARGE.

STORM WATER FROM THE NEW HARD SCAPE SHEDS TO THE EAST TOWARD A LANDSCAPED DEPRESSION. THE DEPRESSED LANDSCAPED AREA IS GRADED FROM NORTH TO SOUTH, CONVEYING FLOWS TO A PORTED RISER. THE FIRST FLUSH VOLUME IS 670 cf, WHICH IS STORED WITHIN THE DEPRESSED AREA. STORM WATER EXCEEDING THE FIRST FLUSH VOLUME IS PIPED TO THE LIBRARY OUT FALL STORM DRAIN, WHICH WILL ENTER THE TIERRA BATITA STORM DRAIN WITHIN THE CONSTRUCTION OF THE UNSER BLVD. RECONSTRUCTION. COA PROJECT # 430391.



ZONE ATLAS PAGE K-10-Z



FIRM PANEL 35001C0328H

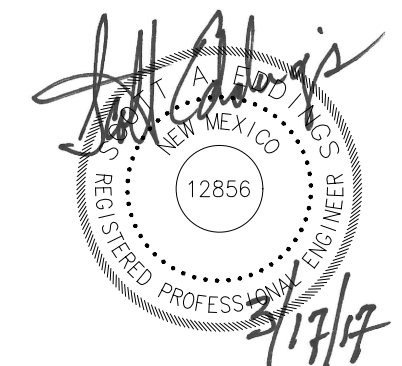
LEGEND

EXISTING INDEX CONTOUR
EXISTING INTERMEDIATE CONTOUR
PROPOSED INDEX CONTOUR
PROPOSED INTERMEDIATE CONTOUR

NEW CONCRETE
NEW CONCRETE ROADWAY
BASIN BONDRY

HUITT-ZOLLARS

6501 AMERICAS PARKWAY
NE, SUITE 550
ALBUQUERQUE, NM.
87110-8154
505.883.8114
www.huitt-zollars.com
ADVANCEDDESIGN™



CENTRAL AND UNSER TRANSIT CENTER

7909 CENTRAL NW.
ALBUQUERQUE, NM. 87121



CITY OF ALBUQUERQUE TRANSIT
DEPARTMENT

PROJECT NO.: R303875.01

DRAWN BY: STAFF

REVIEWED BY: STAFF

APPROVED BY: STAFF

ISSUE DRAWING LOG:

1	02-19-16	65% SUBMITTAL
2	12-16-16	95% SUBMITTAL
3	02-24-17	99% SUBMITTAL
4	03-02-17	100% PERMIT SET
5	02-28-18	REBID

GRADING AND DRAINAGE PLAN

C-102

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SEE SHEET C-104

COPYRIGHT 2016 HUITT-ZOLLARS INC.



1 BUILD NEW 1'-0" CURB OPENING AND RUNDOWN, PER
DETAIL X/ C-501.

2 BUILD NEW 12" Ø CMP PORTED RISER AND OUTFALL LINE.
CORE DRILL, CONNECT AND GROUT NEW 12" Ø CMP SD TO
EXISTING INLET. RE: DETAIL A1/ C-501 .

**CENTRAL AND
UNSER TRANSIT
CENTER**

7909 CENTRAL NW.
ALBUQUERQUE, NM. 87121



PROJECT NO.: R303875.01

DRAWN BY: STAFF

REVIEWED BY:	STAFF
--------------	-------

REVIEWED BY:	STAFF
APPROVED BY:	STAFF

APPROVED BY: STAFF

ISSUE DRAWING LOG:

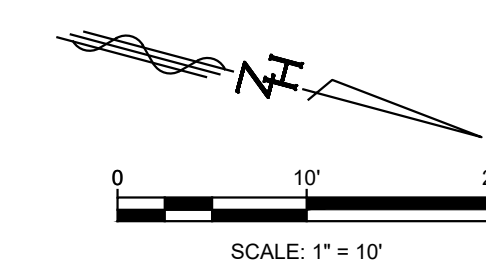
1	02-19-16	65% SUBMITTAL
2	12-16-16	95% SUBMITTAL
3	02-24-17	99% SUBMITTAL
4	03-02-17	100% PERMIT SET
5	02-28-18	REBID

I, SCOTT A. EDDINGS, NMPE 12856, OF THE FIRM 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 3/17/2017 THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED FROM KIM STELZER, NMPS 7483, OF THE FIRM HUITT-ZOLLARS, INC.

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.

SCOTT A. EDDINGS, NM P.E. 12856

DATE 3/26/19



ENLARGED
GRADING AND
DRAINAGE PLAN

C-104

COPYRIGHT 2016 HUITT-ZOLLARS INC.



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

Project Title: Central and Unser Transit Center Building Permit #: _____ Hydrology File #: K10- D053

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

Legal Description: Tract A Plat and Vacation request for TRS A & B West Route 66 Addn

City Address: 8081 Central Ave NW

Applicant: Huitt-Zollars, Inc Contact: Scott Eddings

Address: 333 Rio Rancho Blvd, Rio Rancho NM, 87124

Phone#: 505-892-5141 Fax#: 505-892-3259 E-mail: seddings@huitt-zollars.com

Other Contact: City of Albuquerque Transit Departement Contact: Andrew De Garmo

Address: _____

Phone#: _____ Fax#: NA E-mail: _____

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☒ ENGINEER/ARCHITECT CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

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

PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

☒ OTHER (SPECIFY) Temp CO

DATE SUBMITTED: March 27, 2019

By: Scott Eddings