CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



February 19, 2021

Richard Dourte, P.E. RHD Engineering LLC 4305 Purple Sage Ave. NW Albuquerque, New Mexico 87120

RE: Community Baptist Church 3030 Todos Santos NW Grading and Drainage Plan Engineers Stamp Date; 3/6/2020 (G10D029J) Certification Date; 2/10/2021

Mr. Dourte,

Based upon the information provided in your submittal received 2/16/2021 and site visit on

2/19/2021, this plan is approved for Certificate of Occupancy release.

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

Albuquerque

Sincerely,

NM 87103

Ernest Armijo, P.E.

Principal Engineer, Planning Dept.

www.cabq.gov Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Community Baptist Church Building Permit #:				
			Work Order#:	
Legal Description: Lot 3, Volcar	no Business Park			
City Address: 303 Todo Santos	St. NW			
Applicant: RHD Engineering, LLC			Contact: Richard Dourte	
Address: 4305 Purple Sage	Ave. NW, Alb. NM,	87120		
Phone#: 505.288.1621 Fax#:			E-mail: rhdengineering@outlook.com	
Other Contact: Simons Architecture PC			Contact: Joe Simons	
Address:				
Phone#:	Fax#:		E-mail: joe@simonsarchitecture.co	
TYPE OF DEVELOPMENT:	PLAT (# of lots)	RESIDENCE _	DRB SITE X ADMIN SITE	
IS THIS A RESUBMITTAL?	Yes X No			
DEPARTMENT TRANSPO		DROLOGY/DRAINAC	3F	
	RIATION <u>X</u> III			
** *			TYPE OF APPROVAL/ACCEPTANCE SOUGHT:BUILDING PERMIT APPROVAL	
TYPE OF SUBMITTAL:		X CERTIFICATE OF OCCUPANCY		
X ENGINEER/ARCHITECT CEI	RTIFICATION			
PAD CERTIFICATION		PRELIMINA	ARY PLAT APPROVAL	
CONCEPTUAL G & D PLAN		SITE PLAN	FOR SUB'D APPROVAL	
GRADING PLAN		SITE PLAN	FOR BLDG. PERMIT APPROVAL	
DRAINAGE REPORT		FINAL PLAT APPROVAL		
DRAINAGE MASTER PLAN	AT DED AT A DD 10			
FLOODPLAIN DEVELOPMENT PERMIT APPLICSIA/ RE			ASE OF FINANCIAL GUARANTEE	
ELEVATION CERTIFICATE FOUNI			ION PERMIT APPROVAL	
CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL)		GRADING	PERMIT APPROVAL	
TDAFFIC IMDACT STUDY (TIS)		SO-19 APP	ROVAL	
TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT			PAVING PERMIT APPROVAL	
OTHER (SPECIFY)		GRADING/	PAD CERTIFICATION	
no PRE-DESIGN MEETING?			DER APPROVAL	
TRE-DESIGN MEETING:		CLOMR/LC		
			AIN DEVELOPMENT PERMIT	
		OTHER (SI	PECIFY)	
DATE SUBMITTED: Feb. 10, 20	21 By: <u>R</u>	ichard Dow	ete	
COA STAFF:	ELECTRONIC	C SUBMITTAL RECEIVED:	<u></u>	

FEE PAID:_____

DRAINAGE NARRATIVE:

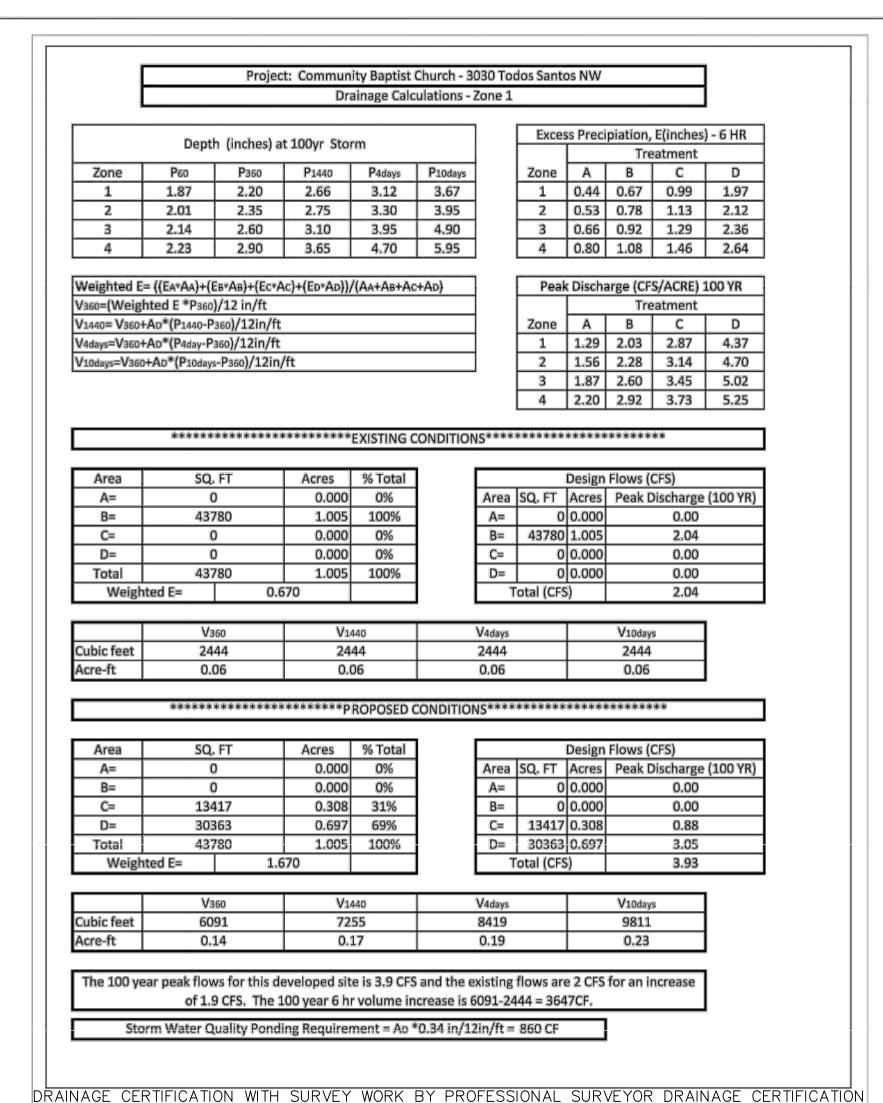
- 1. THE MASTER DRAINGAGE PLAN FOR THIS AREA ALLOTS 0.43CFS PER ACRE DISCHARGE TO THE REAR OF THE LOT. THE EASTERNMOST 40' OF THIS LOT CONTAINS A DRAINAGE EASEMENT FOR THIS DISCHARGE. THE SITE IS 1.01ac. THUS THE SITE IS PERMITTED 0.43x1.01=0.43CFS DISCHARGE. THE PEAK DISCHARGE IS 0.393CFS (REFER TO SHEET 14 OF 15 - APPENDIX A).
- 2. THE STORM WATER QUALITY DISCHARGE REQUIREMENT IS 860CF, THE STORM WATER QUALITY POND PROVIDED IS 908CF, THE THE POND PROVIDED IS GREATER THAN THAT REQUIRED.
- 3. THE OUTFALL FOR THIS SITE WILL BE VIA A PIPE,

THUS Q=CAsqrt(2GH), WHERE Q=0.43CFS

C = 0.60 $G=32.2FT/S^2$

H=2.0FTTHUS A=0.0619SF OR D=3.4", USE A 4" PIPE.

- 4. THE MAXIMUM WSE FOR THIS DISCHARGE FOR THIS SITE IS 31.75 (REFER TO SHEET 15 OF 15 APPENDIX A).
- 5. APPENDIX A CONTAINS THE COMPUTATIONS FOR THE STORMWATER DISCHARGE WITH RESPECT TO THIS SITE.



Richard Dourte, NMPE 10854 OF THE FIRM RHD Engineering, LLC HEREBY CERTIFY THAT THIS PROJECT HAS

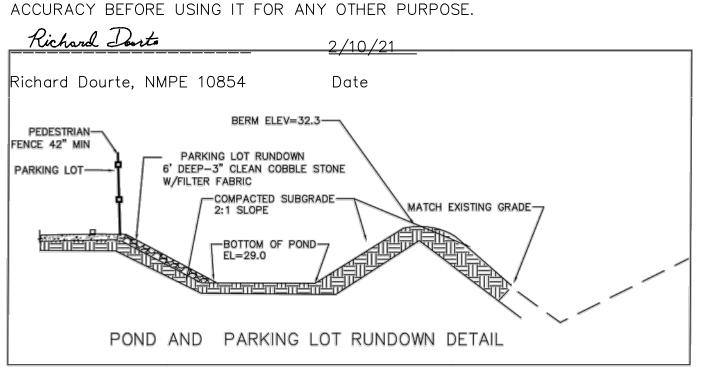
BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN

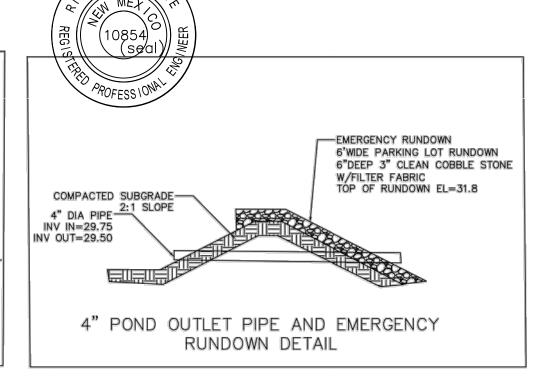
DATED 3/06/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENTATION HAS BEEN OBTAINED BY

AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF THE REQUEST FOR C.O. (DESCRIBE ANY EXCEPTIONS AND /OR QUALIFICATIONS HERE IN A SEPARATE PARAGRAPH.) . The changes are marked in red. 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 DOCUMENTAND THE PARTY AND VISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS

2/10/21 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE

David Acosta, NMPS 21082 OF THE FIRM Construction Survey Technologies, Inc. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON





TEMPORARY BENCH MARK 1-NW PROPERTY CORNER EL=5136.77 2-EXISTING SAS MANHOLE EL=5138.90



EROSION CONTROL NOTES: CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK. 2. 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. 2. RHD ENGINEERING, LLC RECOMMENDS THAT THE OWNER OBTAIN A GEOTECHNICAL

GENERAL NOTES:

MANUFACTURER RECOMMENDATIONS.

ALBUQUERQUE STANDARDS.

PROJECT BM

5138.59

6"CURB AND GUTTER, TYP

5136.53

TODO

5138.61

CONSTRUCT NEW

STD DWG 2425

TOP OF SAS MANHOLE

EL=5138.90

24' DRIVEPAD PER

TBC

5138.07

ELEV = 5136.77

FUTURE BLD

FF = 5137.80

TA=37.10 5137

TO THIS SITE.

. THIS SITE IS NOT LOCATED IN A FEMA FLOOD HAZARD ZONE (REFER

3. SLOPE STABILAZATION SHALL BE USED ON SLOPES GREATER THAN A 3:1 SLOPE, PER

4. MODIFICATIONS OR ADJUSTMENTS TO EXISTING DRAINAGE STRUCTURES/EROSION MITIGIATION IMPROVEMENTS SHALL BE DONE IN THE SAME MANNER AS THE ORIGINAL

6. ALL WORK ON THIS PLAN SHALL BE DONE IN ACCORDANCE WITH CITY OF ALBUQUERQUE

7. ALL WORK IN THE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH CITY OF

8. THIS GRADING PLAN IS TO BE UTILIZED AND A COPY PROVIDED TO THE CITY WHEN

STANDARDS. ALL APPLICABLE PERMITS SHALL BE OBTAINED PRIOR TO WORK COMMENCING.

APPLYING FOR THE CONSTRUCTION OF ANY GARDEN OR RETAINING WALLS, WITH RESPECT

THE SURVEY INFORMATION WAS PROVIDED BYCONSTRUCTION SURVEYS TECHNOLOGIES,

10. FOR SITE DIMENSIONS, BUILDING AND INFRASTRUCTURE LOCATION REFER TO THE SITE

11. DO NOT PLACE ADDITIONAL FILL OR LOADING ON ADJACENT WALLS WITHOUT APPROVAL OF A STRUCTURAL ENGINEER. CONTACT A STRUCTURAL ENGINEER FOR ADEQUACY OF THE

EXISTING PERIMETER WALLS W/RESPECT TO THIS GRADING PLAN.

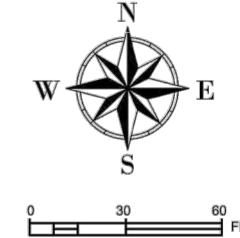
REPORT PRIOR TO DESIGN OF BUILDING FOOTING/FOUNDATION.

TO THE FIRM MAP 35001C0326J, EXCERPT ATTACHED).

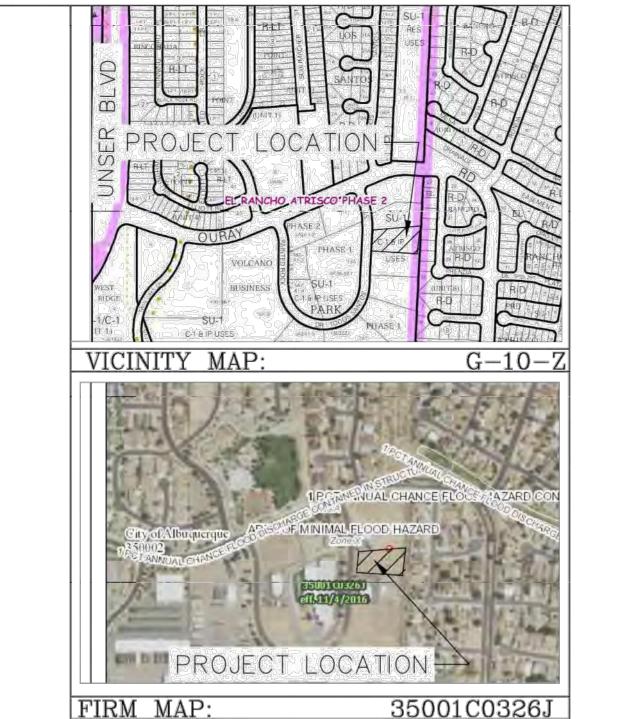
ALL SWPPP REQUIREMENTS SHALL BE ADHERED TO.

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.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY



Scale $1'' = 30^{\circ}$



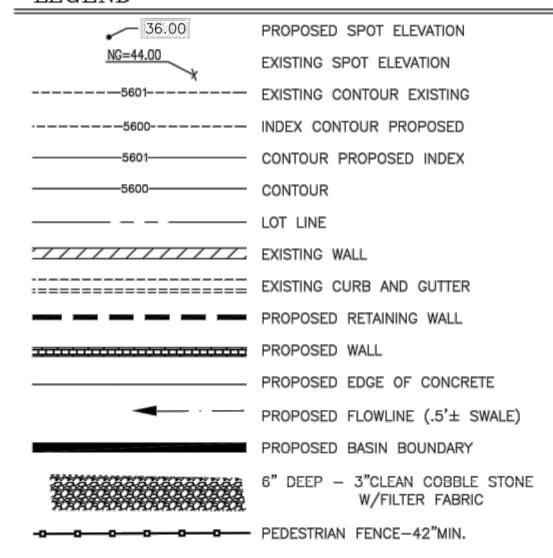
LEGAL DESCRIPTION: LOT 3, VOLCANO BUSINESS PARK

CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

2. RETAIN THE FIRST .34" OF STORM RUNOFF FROM ENTIRE DEVELOPMENT TO CONFORM TO THE WATER QUALITY REQURIEMENTS

LEGEND



I HAVE PERSONALLY INSPECTED THE PROPERTY ON 1-3-20. NO EARTHWORK HAS BEEN PERFORMED AND THE SITE IS CONSISTENT WITH THE TOPO SHOWN. Richard Dourte P.E. #10854 DATE

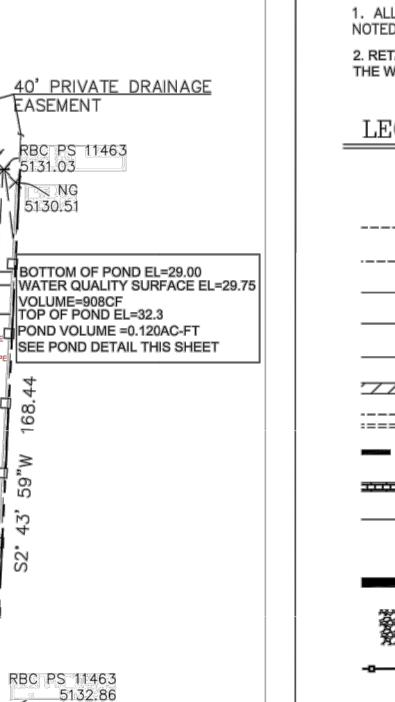
ENGINEER'S SEAL	Title: COMMUNITY BAPTIST CHURCH
MEXICO MEXICO	3030 TODOS SANTOS NW
	GRADING AND DRAINAGE PLAN
PROFESS IONIA	RHD Engineering, LLC
3-06-20	4305 Purple Sage Ave. NW ALBUQUERQUE, NM 87120
	7 (505) 288_1621

Richard Dourte P.E. #10854

IG AND DRAINAGE PLAN SHEET # D Engineering, LLC Purple Sage Ave. NW UQUERQUE, NM 87120 (505) 288-1621 JOB #

DRAWN

DATE



EASEMENT

42" MIN

INSTALL 1-4" DIAMETER

INV IN=29.75 INV OUT=29.50

— TA=35.20

TA = 32.20

- TA=33.8

THIS SHEET.

SEE RUNDOWN DETAIL

PIPE FOR POND DISCHARGE

WITH EMERGENCY RUNDOWN

200' PNM EASEMENT

TA=36.45

TA = 36.50

TA = 36.50

- TA=36.40

TA=36.80

✓ TA=36.90

SEE DETAIL THIS SHEET