# CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



August 3, 2018

David Soule, P.E. Rio Grande Engineering P.O. Box 93924 Albuquerque, NM, 87199

RE: ALB Chinese Baptist Church 2721 Arizona Street NE Grading and Drainage Plan Engineer's Stamp Date: 07/25/18 Hydrology File: H18D071

Dear Mr. Soule:

PO Box 1293 Based upon the information provided in your resubmittal received 07/26/2018, the Grading and

Drainage Plan is approved for Paving Permit.

Albuquerque Please provide a Private Facility Drainage Covenant per Chapter 17 of the DPM for first flush

ponds as soon as possible. Please submit this on the 4th floor of Plaza de Sol. A \$25 fee will be

required.

NM 87103 If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

www.cabq.gov Sincerely,

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

Renée C. Brissette

Planning Department



# City of Albuquerque

### Planning Department

#### Development & Building Services Division

### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

		Hydrology File #:					
DRB#: Legal Description: TRACT A HO	EPC#:	Work (	Order#:				
Legal Description: TRACT A HO	PE HIGH ADDITION						
City Address: 2721 ARIZONA S	TREET NE ALB NM	87110					
Applicant: ALB CHINESE BAPT	CIST CHURCH						
Address: 2721 ARIZONA ST N							
Phone#:	Fax#:	E-mail:					
Other Contact: RIO GRANDE EI		Contact:	DAVID SOULE				
Address: PO BOX 93924 ALE	3 NM 8/199	000	arideni agrandongino aring gam				
Phone#: 505.321.9099	Fax#:Fax#:	E-mail:	avideriografideefigifieerifig.com				
TYPE OF DEVELOPMENT:	PLAT RESIDENC	CE DRB SITE X	ADMIN SITE				
Check all that Apply:							
DEPARTMENT:  X HYDROLOGY/ DRAINAGE  TRAFFIC/ TRANSPORTATION	_	YPE OF APPROVAL/ACCE BUILDING PERMIT APPR CERTIFICATE OF OCCU	ROVAL				
TYPE OF SUBMITTAL:  ENGINEER/ARCHITECT CERTIFIC  PAD CERTIFICATION  CONCEPTUAL G & D PLAN  X GRADING PLAN  DRAINAGE REPORT  DRAINAGE MASTER PLAN  FLOODPLAIN DEVELOPMENT PE  ELEVATION CERTIFICATE  CLOMR/LOMR  TRAFFIC CIRCULATION LAYOUT  TRAFFIC IMPACT STUDY (TIS)  STREET LIGHT LAYOUT  OTHER (SPECIFY)  PRE-DESIGN MEETING?  IS THIS A RESUBMITTAL?: Yes	CATION  RMIT APPLIC	PRELIMINARY PLAT AP SITE PLAN FOR SUB'D A SITE PLAN FOR BLDG. F FINAL PLAT APPROVAL  SIA/ RELEASE OF FINAN FOUNDATION PERMIT APPR GRADING PERMIT APPR SO-19 APPROVAL  PAVING PERMIT APPRO GRADING/ PAD CERTIFI WORK ORDER APPROVAL CLOMR/LOMR FLOODPLAIN DEVELOPM OTHER (SPECIFY)	PROVAL APPROVAL PERMIT APPROVAL  NCIAL GUARANTEE APPROVAL ROVAL DVAL ICATION L MENT PERMIT				
DATE SUBMITTED:	•						
COA STAFF:		TTAL RECEIVED:	-				

#### Weighted E Method

Existing and Developed Basins

								100-Year, 6-hr.					
Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs
EXISTING N PARKING	8036	0.184	0%	0	0.0%	0.000	100.0%	0.18448	0%	0.000	1.290	0.020	0.64
PROPOSED N PARKING	8036	0.184	0%	0	6.0%	0.011	12.0%	0.02214	82%	0.151	2.145	0.033	0.86
EXISTING S PARKING	15400	0.354	0%	0	0.0%	0.000	100.0%	0.35354	0%	0.000	1.290	0.038	1.22
PROPOSED S PARKING	15400	0.354	0%	0	6.0%	0.021	16.0%	0.05657	78%	0.276	2.102	0.062	1.63

### Equations:

Weighted  $E = Ea^*Aa + Eb^*Ab + Ec^*Ac + Ed^*Ad / (Total Area)$ 

Volume = Weighted D \* Total Area

Flow = Qa \* Aa + Qb \* Ab + Qc \* Ac + Qd \* Ad

Where for 100-year, 6-hour storm (zone 3)

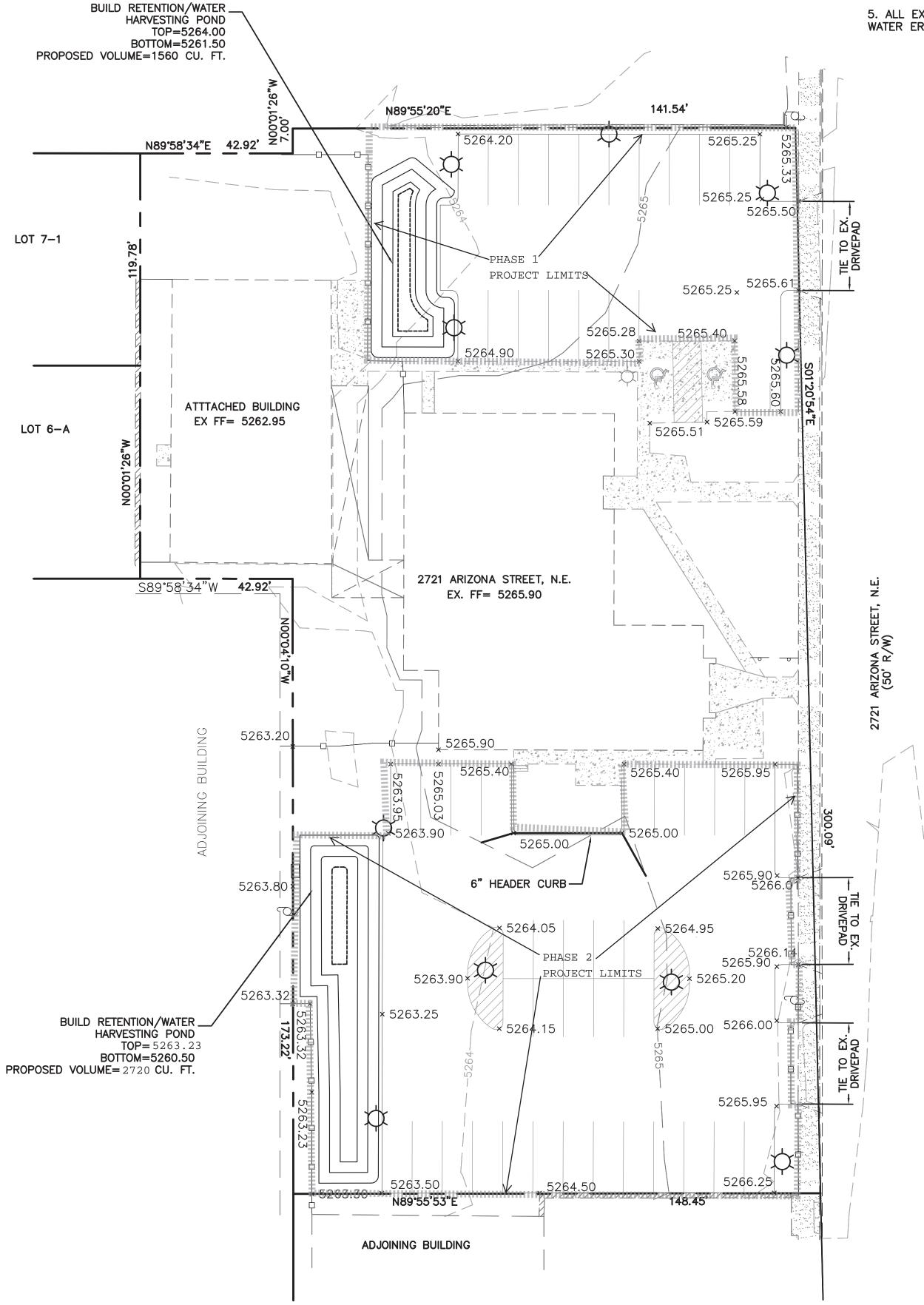
Eb = 0.92Qb = 2.6Ec= 1.29Qc = 3.45Ed= 2.36 Qd = 5.02

north parking south parking DISCHARGE PROPOSED 0.86 CFS 1.63 EXISTING DISCHARGE 0.64 CFS

1436.57 CF TOTAL FLOW INCREASE 572.70 CF 1042.58 CF FIRST FLUSH REQUIREMENT 153.76 CF 280.28 CF =AREA\*.28/12 PONDING PROVIDED 1560.00 CF 2720 CF

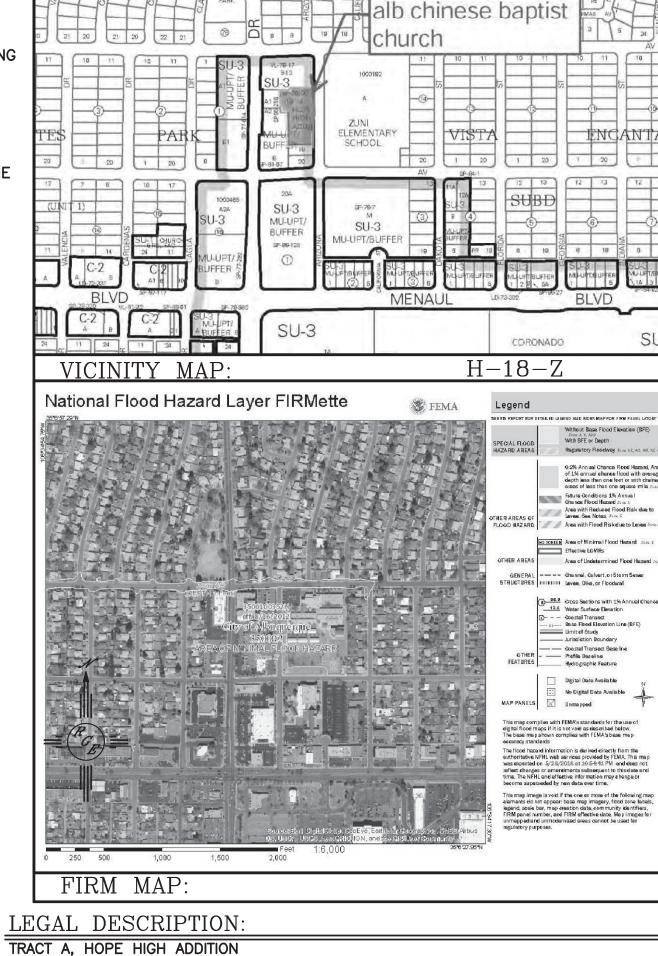
This project consistes of paving of an existing gravel parking lot. The site will be paved in two phases. Initially only the north parking lot will be paved. The south parking lot will be paved in two phases. in existing condition during phase 1. Phase 2 will occure in the future. The proposed development will pond the total flow generated by the paved area. The existing drainage p

2698.08 CF



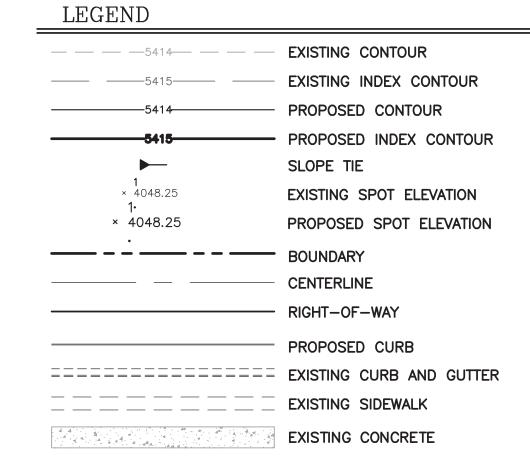
## EROSION CONTROL NOTES:

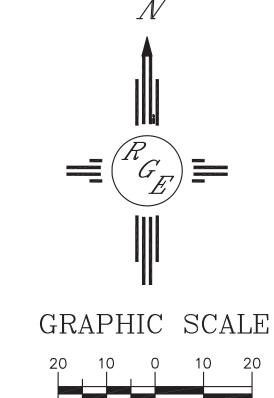
- 1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



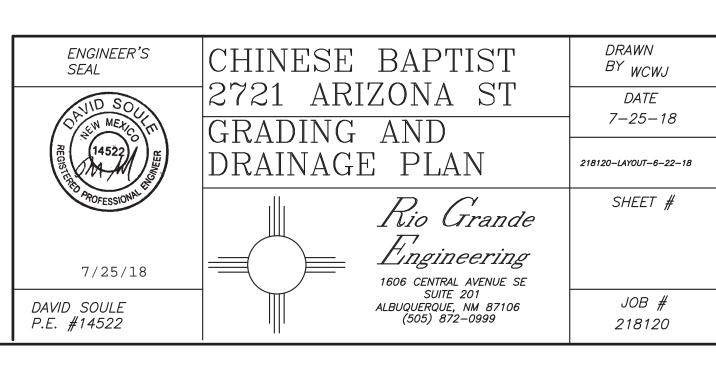
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

- 2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE
- 3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
- 5. ALL SITE WORK SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS FOR PUBLIC WORKS CONSTRUCTION EDITION 9





SCALE: 1"=20'



## CAUTION:

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.