DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 01/28/2003rd)

PROJECT TITLE: ***Huestas de la fe*** ZONE MAP/DRG. FILE #: G15/D104

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: ***Lots 17-20 Manuel Sanchez subciviison***

CITY ADDRESS: 4616 2ND ST NW

ENGINEERING FIRM:	Rio Grande Engineering	CONTACT:	David Soule, PE
ADDRESS:	PO BOX 67305	PHONE:	(505)321-9099
CITY, STATE:	Alb	ZIP CODE:	87199
OWNER:	PENTECOSTAL HOLINESS CH	CONTACT:	
ADDRESS:	4616 2ND ST NW	PHONE:	
CITY, STATE:	alb	ZIP CODE:	87106
ARCHITECT:	***Joe Simons***	CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
SURVEYOR:	Geo surv CO	CONTACT:	David Vigil
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
CONTRACTOR:		CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	

CHECK TYPE OF SUBMITTAL:

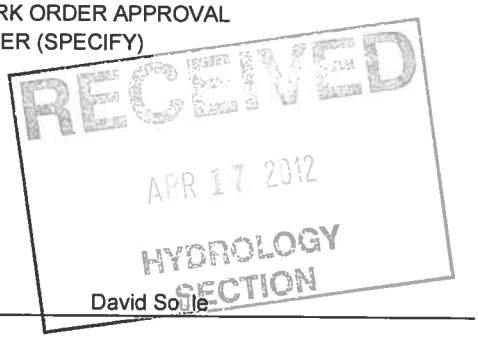
- ____ DRAINAGE REPORT
- ____ DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
- x DRAINAGE PLAN RESUBMITTAL
- ____ CONCEPTUAL GRADING & DRAINAGE PLAN
- ____ GRADING PLAN
- ____ EROSION CONTROL PLAN
- ____ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ____ CLOMR/LOMR
- ____ TRAFFIC CIRCULATION LAYOUT (TCL)
- ____ ENGINEERS CERTIFICATION (TCL)
- ____ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ____ SIA / FINANACIAL GUARANTEE RELEASE
- ____ PRELIMINARY PLAT APPROVAL
- ____ S. DEV. PLAN FOR SUB'D. APPROVAL
- ____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ____ SECTOR PLAN APPROVAL
- ____ FINAL PLAT APPROVAL
- ____ FOUNDATION PERMIT APPROVAL
- x BUILDING PERMIT APPROVAL
- ____ CERTIFICATE OF OCCUPANCY (PERM.)
- ____ CERTIFICATE OF OCCUPANCY (TEMP.)
- x GRADING PERMIT APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ WORK ORDER APPROVAL
- ____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ____ YES
- x NO
- ____ COPY PROVIDED



DATE SUBMITTED: 4/17/2012 BY: David Soule

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

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

CITY OF ALBUQUERQUE

October 18, 2011

David Soule, P.E.
Rio Grande Engineering
P.O. Box 67305
Albuquerque, NM 87193

Re: HUESTAS DE LA FE Church Expansion
Grading and Drainage Plan
Engineer's Stamp date 8-10-11 (G-15/D104)

Dear Mr. Soule,

Based upon the information provided in your submittal received 10/07/11, the above referenced plan cannot be approve for Building Permit or Grading Permit until the following comments are addressed:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

- Show the AH flood zone at the west end of this site on the plan. FL=71
- Is this addition being placed over existing concrete? If so, what does keyed not 4 pertain to? Remove
- It is difficult to confirm your land treatment calculations for this site please adjust your plan accordingly. Exhibit
- Give elevation points from the surrounding sites. ✓
- Prior to CO, an Elevation Certificate for the existing structure in the AE Flood Zone is required. ✓
- A Floodplain Development Permit is required for the proposed building in the AE Flood Zone. Not in flood zone
- Provide routing calculations for the pond to verify maximum discharge and the 100 year WSEL. N/A
- Remove all notes pertaining to the French drain. ✓
- Is this site being repaved or is it being repaired? Are the Islands providing landscaping or are they just painted? Repair) / Paved as shown.
- It appears that the water blocks are in the wrong locations, does this change your calculations? ✓
- At the area drain location, what is the land treatment for this area? It does not appear to provide any slope toward the inlet. Remove
- Call out flowline elevations at the Northern entrance on 2nd St. ✓

Hydrology is requesting that proposed landscape areas be depressed to retain/infiltrate the rain that falls on them. ✓

If you have any questions, you can contact me at 924-3695, or Rudy Rael at 924-3977.

Sincerely,

Shahab Biazar, P.E.
Senior Engineer, Planning Dept.
Development and Building Services

RER/SB
C: File

Albuquerque - Making History 1706-2006

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-hr. Weighted E (ac-ft)	100-Year, 6-hr. Volume (ac-ft)	100-Year, 6-hr. Flow cfs	10-day Volume (ac-ft)
Existing a	17580.00	0.404	0%	0	10%	0.040	13%	0.052466	77%	0.311	1.857	0.062	1.72	0.104
Existing b	36140.00	0.830	0%	0	0%	0.000	34%	0.282084	65%	0.539	1.762	0.122	3.42	0.194
Proposed a	17580.00	0.404	0%	0	11%	0.044	14%	0.056501	75%	0.303	1.834	0.062	1.70	0.102
Proposed b	36140.00	0.830	0%	0	5%	0.041	10%	0.082966	85%	0.705	1.954	0.135	3.67	0.229
diff a												-0.001	-0.02	-0.002
diff b	0.00											0.013	0.249	0.035

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

Ea= 0.53 Qa= 1.56
Eb= 0.78 Qb= 2.28
Ec= 1.13 Qc= 3.14
Ed= 2.12 Qd= 4.7

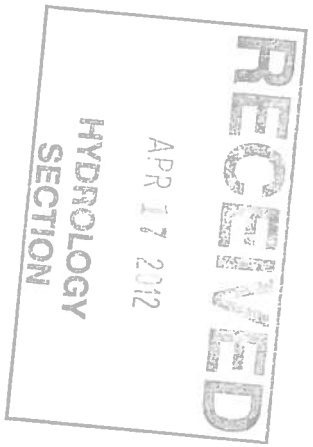
Developed Conditons

DRAINS TO SECOND

EXISITNG 1.72 CFS
PROPOSED 1.70 CFS
DECREASE 0.02 CFS

DRAINS TO SOUTH

EXISITNG 3.42 CFS 8439.3 CUBIC FEET (10-DAY)
PROPOSED 3.67 CFS 9980.7 CUBIC FEET (10-DAY)
INCREASE 0.25 CFS 1541.4 CUBIC FEET (10-DAY)



RIO GRANDE ENGINEERING OF NEW MEXICO, LLC

April 17, 2012

Mr. Shahab Biazar, PE
Senior Engineer, Planning Dept
City of Albuquerque

RE: Grading and Drainage Plan
Huestas de la fe
G15/D104

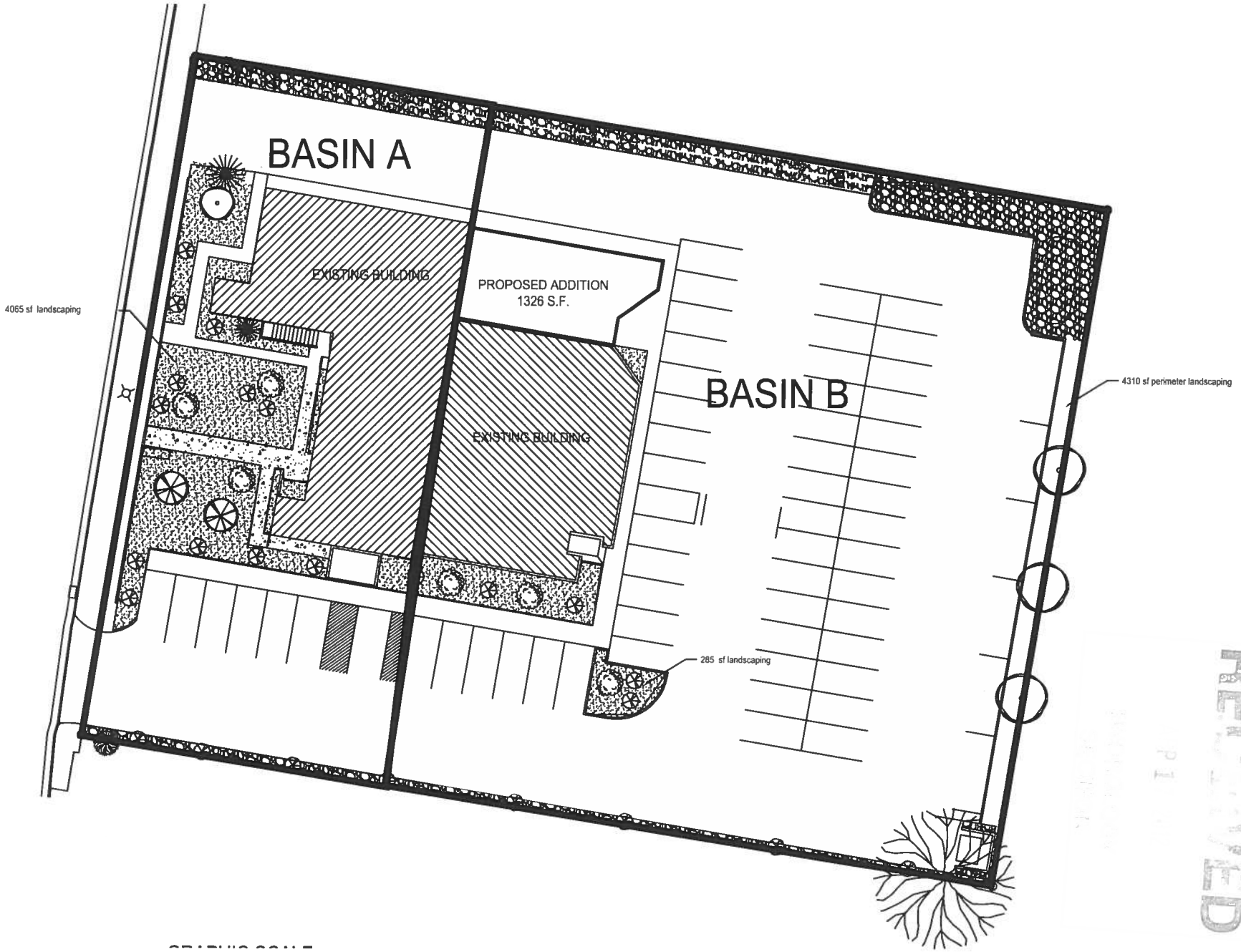
Dear Mr. Biazar:

The purpose of this letter is to accompany the drainage resubmittal. The plan has been modified to address your written comments dated 8/10/11. Due to the nature of the site and redevelopment nature, I have significantly revised the drainage scheme. The site currently drains the front 1/3 to second street and the rear 2/3 to the property to the south. The elimination of the entire flow does not appear to be warranted. It is the design intent to capture/harvest the increase in flow and allow the historical pattern of flow to leave the site along the southwest corner. Due to the total change in plan I don't think itemizing your comments makes sense. I am including copy of your letter with written comments on it. The significant issues regarding the flood plain should be cleared up with the spot elevations, the base flood is 1' above flow line and the 73 contours at property line shows the flood plain does not affect the building. A flood certification can be provided if required prior to co.

Should you have any questions regarding this submittal, please do not hesitate to call me.

Sincerely,

David Soule, PE
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199
505-321-9099


BASIN A
EXISTING BUILDING
PROPOSED ADDITION
1326 S.F.
EXISTING BUILDING
BASIN B
4065 sf landscaping
4310 sf perimeter landscaping
285 sf landscaping