CITY OF ALBUQUERQUE

PLANNING DEPARTMENT - Development Review Services



Richard J. Berry, Mayor

July 21, 2015

Glen Broughton, PE **BOHANNAN-HUSTON, INC.** 7500 Jefferson Street NE Courtyard I Albuquerque, NM 87109

RE: Presbyterian Paradise Clinic (File: C12D003B7)

Grading and Drainage Plan

Engineer's Stamp Date - NO Stamp

Dear Mr. Broughton:

Based upon the information provided in your submittal received 7-10-15, the above referenced plan is approved for Site Plan for Building Permit action by the DRB with the following conditon.

1. Approval by AMAFCA for the license agreement is required for Building Permit.

The plans still need to be reviewed for Building Permit, and the plans need to be stamped.

PO Box 1293

If you have any questions, you can contact me at 924-3695.

Albuquerque

New Mexico 87103

www.cabq.gov

Sincerely,

Rita Harmon, P.E.

Senior Engineer, Planning Dept. Development Review Services

Orig: Drainage file

c.pdf Addressee via Email



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title:		Building Permit #:		City Drainage #:
DRB#: E	PC#:		Work Order#:	:
Legal Description:				
City Address:				
			Contact:	
Address:				
Phone#: Fa			E-mail:	
Owner:			Contact:	
Address:			·	
Phone#: Fa	ax#:		E-mail:	
Architect:			Contact:	
Address:				
Phone#: Fa	ax#:		E-mail:	
Surveyor:			Contact:	
Address:				
Phone#: Fa	ax#:		E-mail:	
Contractor:			Contact:	
Address:				
Phone#: Fa	ax#:		E-mail:	
TYPE OF SUBMITTAL:	C	HECK TYPE OF APPROVA	AL/ACCEPTA	ANCE SOUGHT:
DRAINAGE REPORT		SIA/FINANCIAL GUARAN	ΓEE RELEASE	E
DRAINAGE PLAN 1st SUBMITTAL		PRELIMINARY PLAT APPR	ROVAL	
DRAINAGE PLAN RESUBMITTAL		S. DEV. PLAN FOR SUB'D	APPROVAL	
CONCEPTUAL G & D PLAN			T APPROVAL	
GRADING PLAN SECTOR PLAN APPROVA				
EROSION & SEDIMENT CONTROL PLAN	SION & SEDIMENT CONTROL PLAN (ESC) FINAL PLAT APPROVAL			
ENGINEER'S CERT (HYDROLOGY) CERTIFICATE OF OCCUPA		NCY (PERM)		
CLOMR/LOMR	CERTIFICATE OF OCCUPA		NCY (TCL TE	EMP)
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AP		PROVAL	
ENGINEER'S CERT (TCL)		BUILDING PERMIT APPRO	VAL	
ENGINEER'S CERT (DRB SITE PLAN)		GRADING PERMIT APPRO	VAL	SO-19 APPROVAL
ENGINEER'S CERT (ESC)		PAVING PERMIT APPROVA	AL	ESC PERMIT APPROVAL
SO-19		WORK ORDER APPROVAL		ESC CERT. ACCEPTANCE
OTHER (SPECIFY)		GRADING CERTIFICATION	1	OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED	D:	Yes No Co	py Provided	
DATE SUBMITTED:	· · · · · · · · · · · · · · · · · · ·			
D	C1. 4::-: D1-41	-11 h	1:44-1 Th	

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

- 1. Conceptual Grading and Drainage Plan: 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
- **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development

P:\20160014\CDP\Plans\General\20160014gp01.dwg Thu, 9-Jul-2015 - 4:30:pm, Plotted by: BORTEGA

ARCHITECTURE / DESIGN / INSPIRATION

PERICH

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG

ARCHITECT

ENGINEER

PROJECT

4588 PARADISE BLY ALBUQUERQUE, N

REVISIONS

PRESBY

DRAWN BY ВО **REVIEWED BY** GSB 06/25/2015 PROJECT NO. 15-0028

DRAWING NAME

GRADING & DRAINAGE PLAN

SHEET NO.

www.bhinc.com

800.877.5332

SCALE: 1"=40'

P:\20160014\CDP\Hydro\20160014 Proposed DMP.dwg

Thu, 9-Jul-2015 - 4:05:pm, Plotted by: GBROUGHT

ARCHITECTURE / DESIGN / INSPIRATION

DEKKER PERICH SABATINI

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG

ARCHITECT

MAP NUMBER

35001C0116G

MAP REVISED

ENGINEER

4588 PARADISE BL\ ALBUQUERQUE, NI

REVISIONS

PRESB

DRAWN BY ВО **REVIEWED BY** GSB DATE 06/25/2015

PROJECT NO.

DRAWING NAME

DRAINAGE **MANAGEMENT** PLAN

SHEET NO.

15-0028

PROVIDE A DRAINAGE MANAGEMENT PLAN FOR THE DEVELOPMENT OF THE PRESBYTERIAN PARADISE CLINIC AND REQUEST SITE DEVELOPMENT PLAN FOR BUILDING PERMIT APPROVAL

THE 5.13 ACRE SITE IS CURRENTLY UNDEVELOPED. THE SITE SLOPES TO THE EAST , SOUTHEAST WHERE THE RUNOFF DISCHARGES TO AN EXISTING AMAFCA DETENTION FACILITY

FILE #C12/D3B), THE ALLOWABLE PEAK DISCHARGE FROM THE SITE IS 21.43 CFS (BASIN D-1-A). THE DRAINAGE MANAGEMENT PLAN ASSUMES THAT UP TO 20% OF THE DEVELOPED FLOW WILL DISCHARGE TO ADJACENT ROADWAYS AND THE REMAINING 80% WILL BE CAPTURED

THE HYDROLOGIC ANALYSIS PROVIDED WITH THIS DRAINAGE MANAGEMENT PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 22.2 OF THE DPM. THE SITE IS LOCATED WEST OF THE RIO GRANDE WITHIN PRECIPITATION ZONE 1. LAND TREATMENT PERCENTAGES WERE CALCULATED BASED ON THE ACTUAL CONDITIONS IN EACH ONSITE BASIN AND ARE

THIS DRAINAGE MANAGEMENT PLAN WAS DEVELOPED IN ACCORDANCE WITH A FULLY DEVELOPED SITE. IT WAS DETERMINED THAT THE MAXIMUM ALLOWABLE PEAK DISCHARGE

THE SITE IS DIVIDED INTO NINE SMALL DRAINAGE BASINS. BASINS B7 AND B9 FREE DISCHARGE TO NUNZIO DRIVE. BASIN B8 FREE DISCHARGES TO PARADISE BOULEVARD AND THE ADJOINING PROPERTY TO THE EAST. THE REMAINDER OF THE DRAINAGE BASINS ARE CONVEYED TO THE AMAFCA DETENTION FACILITY VIA AN ONSITE STORM DRAIN SYSTEM.

IMPERVIOUS AREA: 154,538 SF (PAVED AREA 119,754 & ROOF AREA 34,784 SF)

*INITIAL ABSTRACTION OF 0.1" WAS USED FOR PAVED AREAS AND AN INFILTRATION RATE OF 0.04" PER OVER A PERIOD OF ONE HOUR PER DPM CHAPTER 22, TABLES A-6 AND A-7.

BASIN TABLE. LANDSCAPE ISLANDS WILL BE DEPRESSED WITH CURB OPENINGS TO INTERCEPT DRAINAGE. BASINS B2 AND B3 PROVIDE ROUGHLY HALF OF THE REQUIRED VOLUME. RETENTION VOLUME IN BASIN B6 IS UNDER SIZED; HOWEVER THIS BASIN OVERFLOWS INTO THE RETENTION AREA IN BASIN B5 WHICH HAS EXCESS CAPACITY. DUE TO THE EXISTING TOPOGRAPHY IT WAS NOT POSSIBLE TO PROVIDE ONSITE RETENTION FOR BASINS B8 AND B9. BOTH OF THESE BASINS ARE SMALL AND REQUIRE VERY SMALL VOLUMES. OVERALL THE TOTAL "FIRST FLUSH" VOLUME THAT IS NOT INTERCEPTED WAS CALCULATED TO BE 710 CUBIC FEET. THIS REPRESENTS THE DIFFERENCE BETWEEN RETENTION VOLUME PROVIDED AND REQUIRED VOLUME TO BE RETAINED ONSITE. THIS REPRESENTS APPROXIMATELY 18% OF THE

THERE ARE SEVERAL CONTRIBUTING FACTORS THAT LIMITED THE VOLUME THAT COULD BE INCORPORATED INTO THE SITE DESIGN. THE SITE HAS AN EXISTING SLOPE OF APPROXIMATELY 10.00%. STEEP SLOPE SITES MAKE IT CHALLENGING TO INCORPORATE SHALLOW RETENTION AREAS IN THE LANDSCAPE DESIGN AND REDUCE THE ACTUAL VOLUME INTERCEPTED. THIS

PEAK DISCHARGE RATE, THEREFORE WE ARE IN CONFORMANCE WITH CITY OF ALBUQUERQUE HYDROLOGY REQUIREMENTS AND REQUEST SITE PLAN FOR BUILDING PERMIT APPROVAL.

