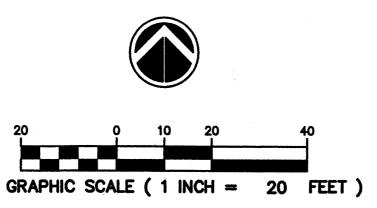


LOT 9-P1, BLOCK 2, UNIT 3, EAGLE ROCK ESTATES LEGAL DESCRIPTION



DRAINAGE CERTITICATION

I, Larry D. Read, NMPE 10998, of the firm Larry Read & Associates, Inc., hereby 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 2/13/2006. The record information edited onto the original design document has been obtained by Larry D. Read, NMPE 10998, of the firm Larry Read & Associates, Inc. I further certify that I have personally visited the project site on 3/30/2007 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 Certificate of Occupancy.

Exceptions: None

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.



DRAINAGE INFORMATION

LOCATION & DESCRIPTION

THE PROPOSED SITE IS A 0.1668 ACRE RESIDENTIAL LOT LOCATED IN THE SOUTHWEST CORNER OF EAGLE ROCK ESTATES UNIT 3 AT THE INTERSECTION OF OBSIDIAN STREET AND LIMESTONE STREET. THE LOT IS CURRENTLY SERVING AS A RETENTION POND TO HOLD THE RUNOFF FROM THE NORTHERN HALF OF OAKLAND AVENUE ON THE SOUTH.

THE OWNER DESIRES TO RECOVER THE LOT TO BE USED AS IT'S INDENTED SINGLE FAMILY LOT.

FLOODPLAIN STATUS

THIS PROJECT. AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0137 E, DATED NOVEMBER 19, 2003 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN. AN EXHIBIT WITH THE SITE SHOWN ON THE FIRM PANEL IS INCLUDED ON THIS SHEET.

METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING THE QUICK CALCULATIONS OF THE JUNE 1997 RELEASE OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION

PRECIPITATION

THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS SINCE THE SITE WILL FREE DISCHARGE AND THE RETENTION PONDING WILL BE ELIMINATED. THIS SITE IS WITHIN ZONE 3 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2. TABLES WITHIN THIS SECTION WAS USED TO ESTABLISH THE 6-HOUR PRECIPITATION, EXCESS PRECIPITATION, AND PEAK DISCHARGE.

EXISTING DRAINAGE

THIS LOT IS WITHIN A DEVELOPED SUBDIVISION WITH CURB AND GUTTER AND SITE WALLS BETWEEN THE LOTS. AS SUCH, THERE IS NO CROSS LOT DRAINAGE OR OFFSITE DRAINAGE AFFECTING THIS SITE EXCEPT THE RUNOFF FROM THE NORTHERN HALF OF OAKLAND AVE. WHICH IS CURRENTLY BEING INTERCEPTED IN THE POND. OAKLAND AVE. IS FULLY DEVELOPED AS A HALF STREET SECTION WITH CURB AND GUTTER AND SIDEWALK AS ARE THE STREETS TO THE NORTH WITHIN THE SUBDIVISION.

DEVELOPED CONDITION

THE BASIS OF THIS PLAN IS TO ELIMINATE THE RUNOFF BEING PONDED ON IN THIS LOT AND RECOVER THE LOT FOR A SINGLE FAMILY RESIDENCE. THE POND WILL BE FILLED AND GRADED AS SHOWN ON THE GRADING PLAN. THE SIDEWALK CULVERT THAT INTERCEPTS TO FLOW FROM OAKLAND AVE. WILL BE ELIMINATED AND THE OPENING IN THE SITE WALL BLOCKED TO ELIMINATE THE FLOWS INTO THE POND. THE RUNOFF THAT CURRENTLY ENTERS THE POND WILL BE ALLOWED TO PROCEED WEST IN IT'S HISTORICAL ROUTE.

THE RUNOFF GENERATED ON THE SITE WILL BE ROUTED TO THE EXISTING CUL-DE-SAC AT THE NORTH END OF THE SITE VIA SWALES ALONG THE SITE BOUNDARY AS WAS INTENDED IN THE GRADING AND DRAINAGE PLAN FOR THE SUBDIVISION DEVELOPMENT. ELIMINATION OF THIS POND WILL INCREASE THE RUNOFF TO THE WEST FROM THE NORTHERN HALF OF OAKLAND AVE. UNTIL SUCH TIME AS THE BALANCE OF OAKLAND AVE. IS IMPROVED.

100-VEAD HYDDOLOGIC CALCUL ATIONS

100-YEAR HYDROLOGIC CALCULATIONS													8	NO.				
,			LAND TR	EATMEN	T	WEIGHTED								2				
BASIN	AREA	A	В	С	D	E	V (6-hr)	V (6-hr)	V(10 day)	V(10 day)	Q	-						
#	(acre)	(%)	(%)	(%)	(%)	(in)	(acre-ft)	(cu-ft)	(acre-ft)	(cu-ft)	(cfs)							
					EXIST	ING CONDIT	ONS							_				
SITE	0.1668	0.00	100.00	0.00	0.00	0.92	0.01	557	0.01	557	0.43	CEAL	킨	FUREN	ICE D	: 80		
0.77		7				SED CONDIT		·	·				히 /	2 (E / N	MEX	13	9 - 1	
SITE	0.1668	0.00	32.00	32.00	36.00	1.56	0.02	943	0.03	1,444	0.62	10,0	2 1.	- (= (1	10998	9/4	Y	_
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	PRECIP.	0.66	0.92	1.29	2.36	E _i (in)		•							M		PY	0
PEAK DI	SCHARGE	1.87	2.6	3.45	5.02	Q _{Pi} (cfs)							5/	JUF	ESSIP	310		
WEIGHTE	ED E (in) = (E	Ea)(%A) -	+ (E _B)(%B)	+ (Ec)(%	C) + (E _D)	(%D)			ZONE = P _{6-HR} (in.) =	3 2.60			1		·0) '		•	
V _{6-HR} (acre	-ft) = (WEIG	HTED E)(AREA)/1	2					P _{24-HR} (in.) =	= 3.10								
	e -ft) = V_{6} -HR			•					P10DAY (in.) =	= 4.90		-	+	$\overline{}$	\neg	ТТ	—	Т
Q (cfs) = (Qpa)(Aa) + (C	Д РВ)(Ав) -	+ (Qpc)(Ac)	+ (QPD)(4 d)		-								B√		၂မွ	၂ဗ
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DESIGN REVIEW COMMITTEE

PROJECT NO.

CITY ENGINEER APPROVAL

MO./DAY/YR.

MAP NO. C-18 SHEET 1 OF

MO./DAY/YR.

