

THE PROPOSED SITE IS 0.80 ACRES LOCATED NORTH OF ALEXANDRIA POINT PLACE AND WEST OF EUBANK BLVD. NE, AS SHOWN ON THE VICINITY MAP ON THIS SHEET. IT IS CURRENTLY UNDEVELOPED BUT WAS MASS GRADED WITH THIS PORTION OF QUINTESSENCE SUBDIVISION. ACCORDINGLY, VEGETATION ON THE SITE IS SPARSE.

THE SITE TO THE EAST IS DEVELOPED AS THE CARE STONE ASSISTED LIVING FACILITY. THE SITE TO THE WEST IS A DEVELOPED RESIDENTIAL LOT. NORTH OF THE SITE IS THE CUL-DE-SAC AT THE EAST END OF JARASH PLACE NE. JARASH PLACE IS COMPLETED WITH CURB AND GUTTER AND

SINCE THIS IS AN INFILL LOT IN A MASTER PLANNED SUBDIVISION WITH COMPLETED DEVELOPMENT ON ALL ADJOINING SITES, THERE IS NO IMPACT TO THE SITE FROM OFF-SITE DRAINAGE.

THIS GRADING PLAN IS FOR THE PROPOSE OF SUBDIVIDING THE SITE INTO 8 RESIDENTIAL TOWNHOUSE LOTS. THE FINAL CONSTRUCTION PLANS WILL BE REVIEWED BY DRC.

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING THE QUICK CALCULATIONS OF THE JUNE 1907 RELEASE OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION

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.

THE SITE IS UNDEVELOPED AS DESCRIBED ABOVE IN "LOCATION AND DESCRIPTION". THE SITE WAS MASS GRADED WITH A GRADE BREAK DIVIDING THE SITE IN HALF ALONG THE EAST WEST AXIS. THE NORTHERN DRAINS NORTH INTO JARASH PLACE VIA OPENINGS IN THE EXISTING CMU WALL. THE SOUTHERN HALF DRAINS SOUTH INTO ALEXANDRIA PLACE.

FLOODPLAIN STATUS

AS SHOWN ON FIRM PANEL 35001C0328, SEPTEMBER 1996. THE SITE IS NOT WITHIN OR ADJACENT TO ANY IDENTIFIED FLOODPLAIN.

DEVELOPED CONDITION

THE PROPOSED DEVELOPMENT WILL DIVIDE THE SITE INTO FOUR DISTINCT BASINS. THE REAR YARDS OF THE WESTERN ROW OF HOUSES (LOTS 1 through 6) DISCHARGE TO THE NORTH (BASIN A) OR TO THE SOUTH (BASIN B) WA THE PROPOSED CONCRETE SWALE AND SIDEWALK CULVERT INTO THE DEVELOPED STREETS. THE ROOF AREA OF ALL HOUSES AS WELL AS THE REMAINDER OF THE SITE DIVIDES TO DISCHARGE TO THE NORTH (BASIN C) AND TO THE SOUTH (BASIN D) TO DISCHARGE INTO THE ADJACENT DEVELOPED STREETS. BASIN C WILL DISCHARGE THROUGH A SIDEWALK CULVERT AT THE NORTH END OF ALEXANDRIA POINT PLACE INTO JARASH PLACE. BASIN D WILL DISCHARGE WITHIN ALEXANDRIA POINT PLACE TO THE SOUTH INTO ALEXANDRIA ROAD. BOTH ALEXANDRIA ROAD AND JARASH PLACE DISCHARGE TOWARD THE WEST INTO IRBID ROAD WHERE THE MASTER PLANNED STORM DRAIN SYSTEM BEGINS.

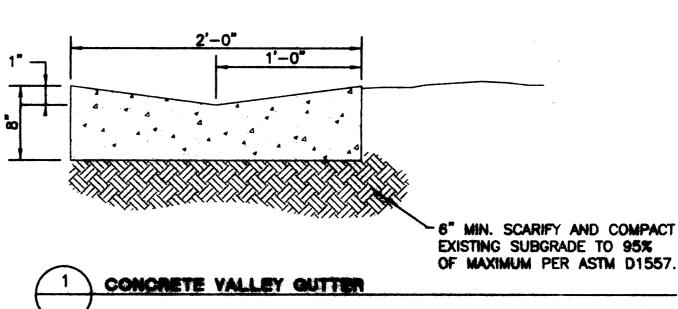
THE QUINTESSENCE DRAINAGE MASTERPLAN (D21/D3) INCLUDED THIS SITE WITHIN TWO DEVELOPED SOUTH HALF OF THE STE. THE MASTERPLAN ASSUMED LAND TREATMENT OF 28% TYPE B, 25% TYPE C, AND 50 % TYPE D SOIL. THE PROPOSED WILL DIBCHARGE 0.3 CFS IN EXCESS OF THAT ANTICIPATED BY THE MASTERPLAN. DUE TO THE VERY SMALL BASIN SIZES ON THE PROPOSED SITE, THE INCREASED DISCHARGE WILL HAVE NO NEGATIVE EFFECT OF DOWNSTREAM FACILITIES.

CONSTRUCTION NOTES:

1. USE 4000 PSI PCC AT 28 DAYS

1 inch = 20 ft.

- 2. PROVIDE 3/4" EXPANSION JOINTS AT 36' O.C., AT IMMOVABLE OBJECTS AND AT PERPENDICULAR CURBS.
- 3. PROVIDE CONTRACTION JOINTS 6' O.C.



LEGAL DESCRIPTION

LOT 30, TRACT 3, BLOCK 20, UNIT 2 NORTH ALBUQUERQUE ACRES

BENCHMARK

COA MONUMENT "12-D21" HAVING A VERTICAL ELEVATION OF 5724,14

GENERAL NOTES

ALL ROOFS SHALL DRAIN TO THE STREET.
ALL CURB AND GUTTER SHALL BE GOA STD CURB
STOP SIGNS SHALL BE PLACED AT ALL SITE EXITS.

KEYED NOTES:

- 24" SIDEWALK CULVERT PER COA STD DWG 2236. 48" CONC SIDEWALK PER COA STD DWG 2430 (OFFEST TYPE).
- NEW SITE CMU RETAINING WALL EARTH TONE COLORED BLOCK
- DESIGN BY OTHERS. EXISTING CMU RETAINING WALL TO REMAIN.
- 2' WIDE CONCRETE VALLEY GUTTER. CONC VALLEY GUTTER AND PRIVATE ENTRANCE PER COA
- STD DWG 2420. CONC VALLEY GUTTER PER COA STD DWG 2421.
- PROVIDE 1 CMU UNIT TURNED TO PROVIDE DRAINAGE AT FLOWLINE ELEVATION.

100-YEAR HYDROLOGIC CALCULATIONS

8469 1	4554	L	MD TH		I	WENNEY			
BASIN	AREA	A		C	Ð	£	V (0-16)	V (0-60)	
I D	(acre)	(8)	(3)	(1)	(13)	(4)			
					tës (or . Was
BASIN A	0.0466	100.00	0.00	0.00	9:00	0.80	0.6031	135	OR
BASIN B	0.0470	100.00	0.00	0.00	0.00	0.60	0.0001	18	elo.
Basin C	0.3619	100.00	6.00	0.00	0.00	0.80	0.0241	1,051	86
DASH D	0.3841	100.00	6.60	0.00	0.00	(LED	0.6293	LE7	
TOTAL	9,8166						•		
				Mat					
BASIN A	0.0466	0.00	50.00	50.00	0.00	1.27	0.0048	26	sit
Basin B	0.0470	0.00	50.00	50,00	0.00	1.27	0.0550	27	
BASIN C	0.3619	0.00	15.00	15,00	70.60	2.23	0.0672	2,500	145
BASIN D	0.3641	0.00	15.00	15.00	70.00	2.23	0.0976	256	ik.
TOTAL	0.9196						0.1408	e, de	
		-		PROP		COMBITIES			
EXCESS PRECIP.		0.80	1.08	1.46	2.64	Ei (In)			
PEAK DISCHARGE		2.20	2.92	3.73	5.25	Opi (cfs)			

V6-hr (acre-ft) = (WEIGHTED E)(AREA)/12

V10day (acre-ft) = V6-HR + (AD)(P10DAY - P6-HR)/12

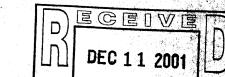
P24-hr (h.) =

Q (cfs) = (QPA)(AA) + (QPB)(AB) + (QPC)(AC) + (QPD)(AD)

PIE-day (b) = 5

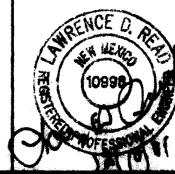
ALEXANDRIA POINT SUBDIVISON

GRADING AND DRAINAGE PLAN



NORTH ALBUQUERQUE ACRES, ALBUQUERQUE, NEWOMERICO

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REVISION	DATE DESC	RIPTION	
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