

100-YEAR HYDROLOGIC CALCULATIONS											
BASIN #	AREA (acre)	LAND TREATMENT				WEIGHTED E (in)	V (6-hr) (acre-ft)	V (6-hr) (cu-ft)	V(10 day) (acre-ft)	V(10 day) (cu-ft)	Q (cfs)
		A (%)	B (%)	C (%)	D (%)						
EXISTING CONDITIONS											
SITE	1.0426	100.00	0.00	0.00	0.00	0.66	0.06	2,498	0.06	2,498	1.95
TOTAL	1.04						0.06	2,498	0.06	2,498	1.95
PROPOSED CONDITIONS											
BASIN A	1.0426	0.00	0.00	22.00	78.00	2.12	0.18	8,041	0.34	14,830	4.87
TOTAL	1.04						0.18	8,041	0.34	14,830	4.87
EXCESS PRECIP.											
PEAK DISCHARGE		0.66	0.92	1.29	2.36	Ei (in)					
		1.87	2.6	3.45	5.02	Q _p (cfs)					
WEIGHTED E (in) = (E _A)(%A) + (E _B)(%B) + (E _C)(%C) + (E _D)(%D)							ZONE =		3		
V _{6HR} (acre-ft) = (WEIGHTED E)(AREA)/12							P _{6HR} (in.) =		2.60		
V _{10DAY} (acre-ft) = V _{6HR} + (A _D)(P _{10DAY} - P _{6HR})/12							P _{24HR} (in.) =		3.10		
Q (cfs) = (Q _{PA})(A _A) + (Q _{PB})(A _B) + (Q _{PC})(A _C) + (Q _{PD})(A _D)							P _{10DAY} (in.) =		4.90		

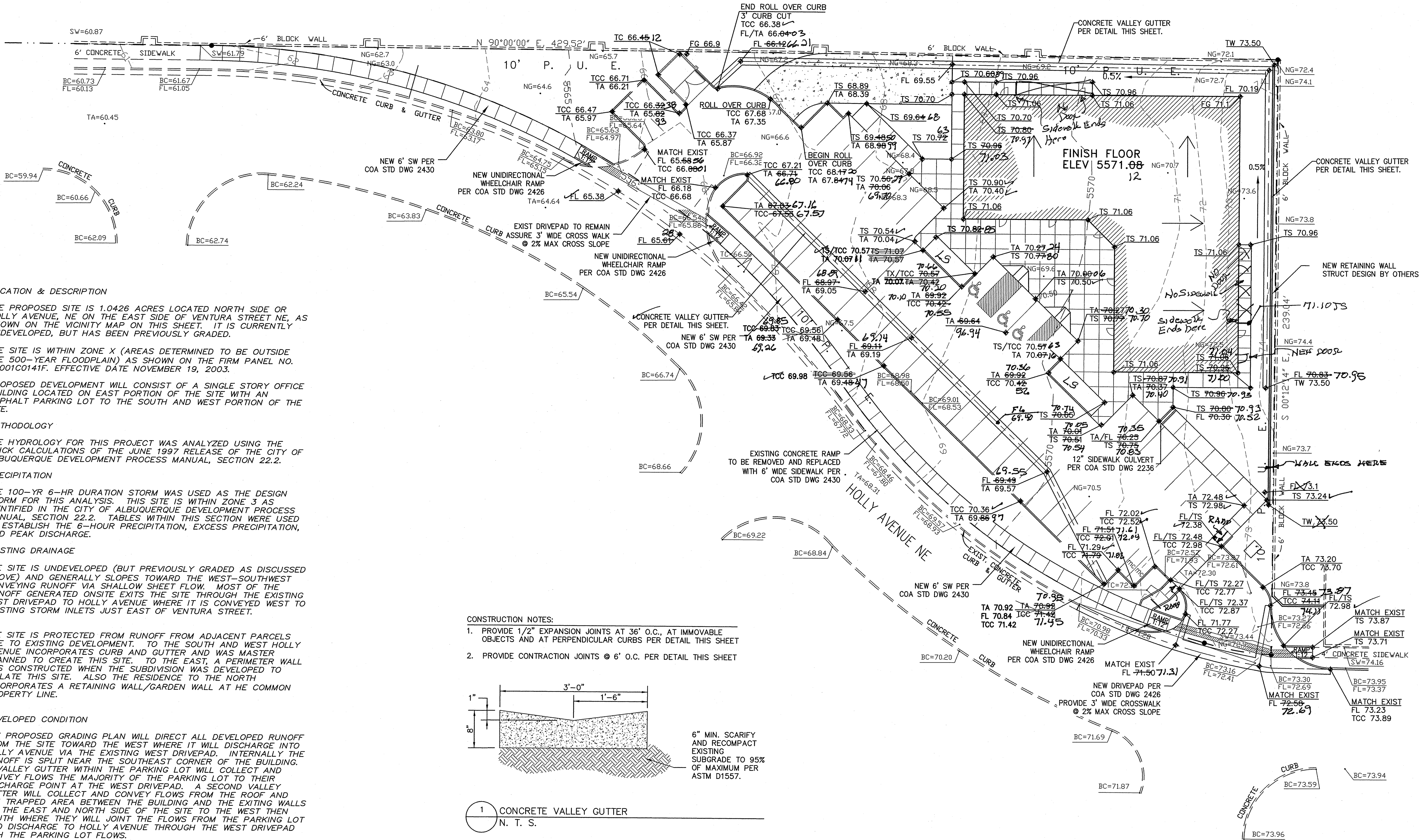
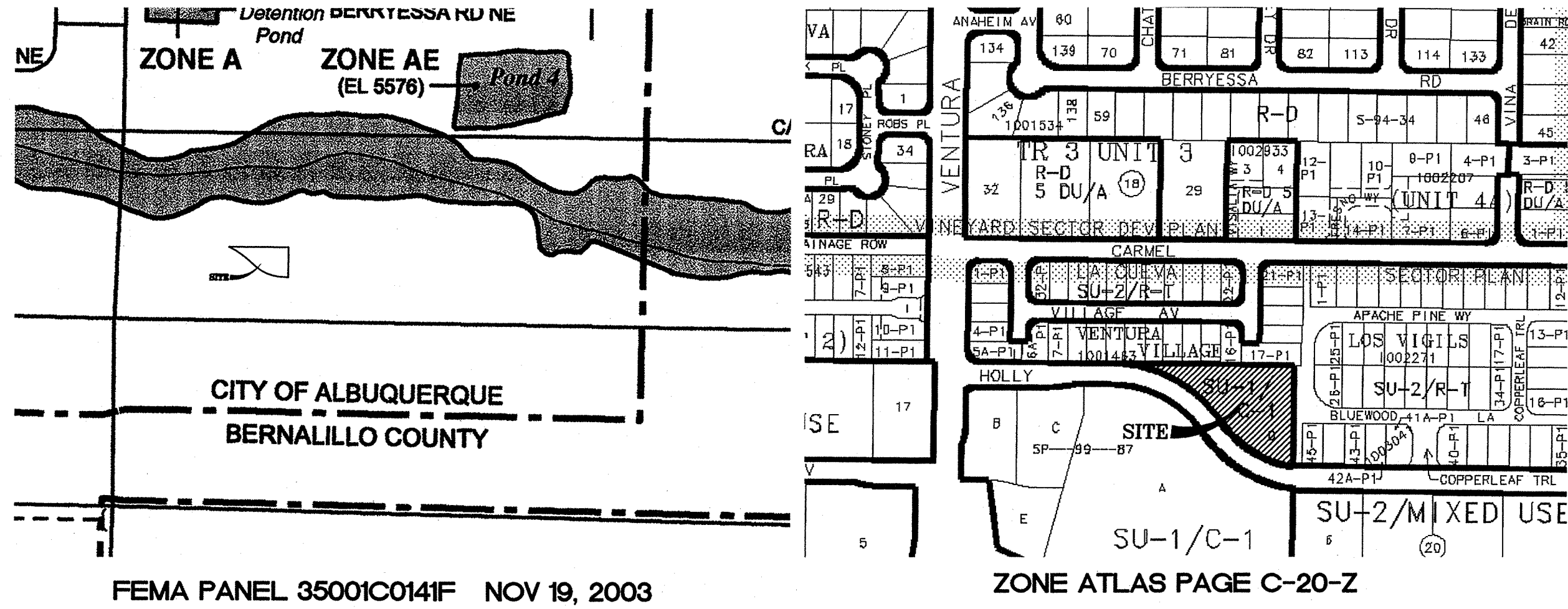
ZONE = 3
P_{6HR} (in.) = 2.60
P_{24HR} (in.) = 3.10
P_{10DAY} (in.) = 4.90

DRAINAGE CERTIFICATION

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 1-30-2012. The record information edited onto the original design document has been obtained by Michael T. Shook, NMPS 13240, of the firm A. M. Survey. I further certify that I have personally visited the project site on September 6, 2012 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: As noted on the plan.

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.



T A T E F I S H B U R N
A R C H I T E C T

ARCHITECT SEAL

ENGINEER SEAL



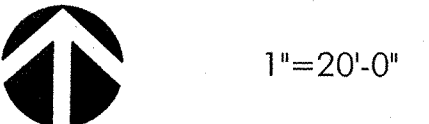
PROJECT

CONCEPTUAL GRADING PLAN
NEW RETAIL/OFFICE BUILDING
9001 HOLLY AVENUE, NE
ALBUQUERQUE, NEW MEXICO

REVISIONS

DATE SEPTEMBER 11, 2007

NORTH SCALE



DRAWING NAME

GRADING PLAN

SHEET NUMBER

GD-2