

- PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE TO RESOLVE THE CONFLICT WITH A MINIMUM AMOUNT OF DELAY.
- ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS. RULES AND REGULATIONS CONCERNING CONSTRUCTION
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS. THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF AND DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHTS-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING
- THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY CITY OF ALBUQUERQUE FOR THE COMPLETION OF THE WORK PRIOR

			EXISTING		PROPOSED
TOTAL AREA	SACULTY apparts	4.73 AC.			
TREATMENT A	CONTRA Applicate	0.00 AC. =	0.0%	0.00 AC.	= 0.0%
TREATMENT B	100 Area	0.14 AC. =	0.0%	0.14 AC.	= 3.0%
TREATMENT C	Shape avoid?	2.88 AC. =	60.9%	2.71 AC.	= 57.3%
TREATMENT D	activistic dipositio	1.71 AC. =	36.1%	1.88 AC.	= 39.7%

ONSITE - EXCESS PRECIPITATION & VOLUMETRIC RUNOFF

WEIGHTED E=[(0.53)(0.00)+(0.78)(0.14)+(1.13)(2.88)+(2.12)(1.71)]/4.73

V100-6hr = (1.48)(4.73)/12 = 0.5834 acre ft = 25,420 cf

WEIGHTED E=[(0.53)(0.00)+(0.78)(0.14)+(1.13)(2.71)+(2.12)(1.88)]/4.73

Q100 = (1.56)(0.00) + (2.28)(0.14) + (3.14)(2.88) + (4.70)(1.71) = 17.4 cfs

Q100 = (1.56)(0.00) + (2.28)(0.14) + (3.14)(2.71) + (4.70)(1.88) = 17.7cfs

25,980 - 22,420 = 560 cf INCREASE IN RUNOFF VOLUME

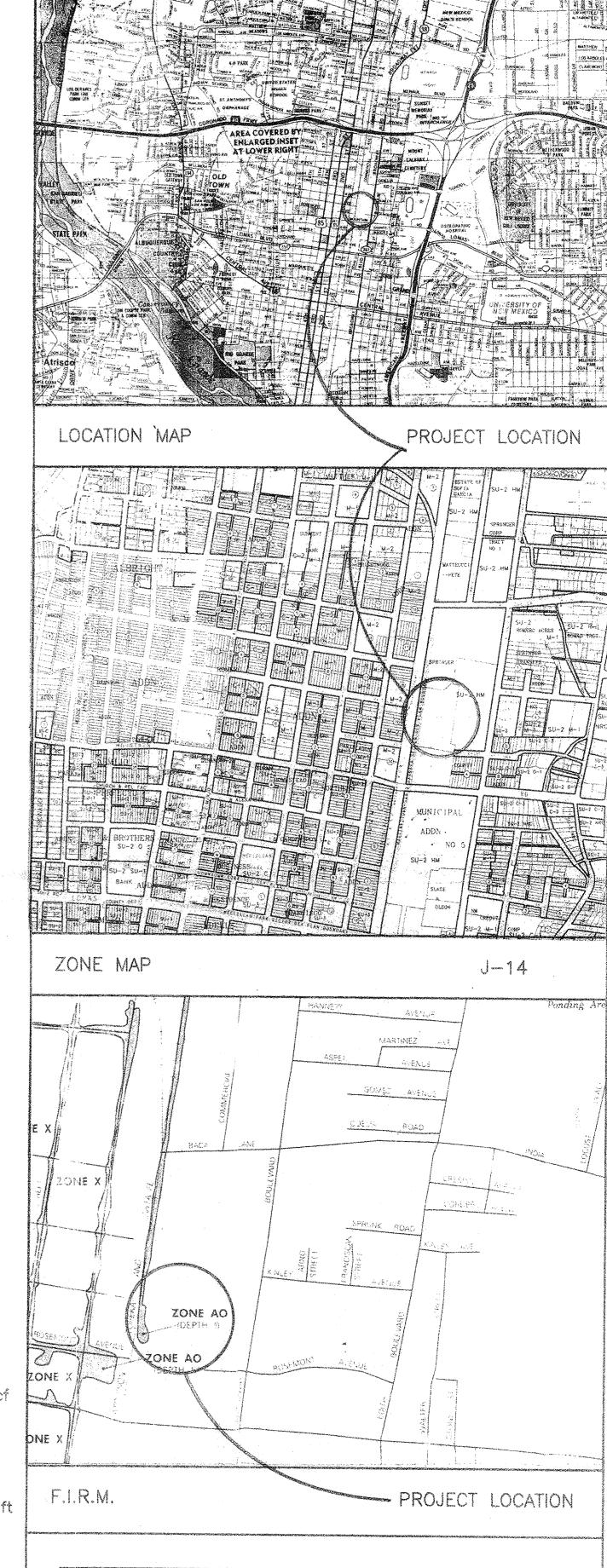
Q100 = (4.70)(1.07) = 5.0 cfs - 5.0/3 = 1.7 cfs

V100-6hr = (2.12)(1.07) = 0.189 - 0.189/3 = 0.063 acre-ft = 2.750 cf

V100-24hr = 0.5964 + (1.88)(2.75-2.35)/12 = 0.6591 acre-ft

V100-24hr = 0.189 + (1.07)(2.75-2.35)/12 = 0.2247/3 = 0.0749 acre-ftTOTAL POND REQUIRED = 0.6591 + 0.0749 = 0.7340 acre-ft = 31.970 cf

PARCEL A-1-A-1 LANDS OF SPRINGER CORPORATION LYING SITUATE WITHIN SECTION 17, T.10 N., R. 3 E., N.M.P.M. BERNALILLO COUNTY, NEW MEXICO. FILED OCTOBER 11, 1991 AT THE OFFICE OF THE COUNTY CLERK, BERNALILLO COUNTY, NEW MEXICO.



ALBUQUERQUE MAIL SERVICE GRADING AND DRAINAGE PLAN

KEMPER-VAUGHAN

CONSULTING ENGINEERS MAR 3 1 1998 3700 /COORS RD. N.W. . ALBUQUERQUE, NEW MEXICO 87120 . (505) 831-4520

SECTION ALB-MAIL ADDITION Date MARCH 1998

HYDROLOGY