HYDROLOGY

G22/D5
1 PLAN

G22/D5

1 Plan

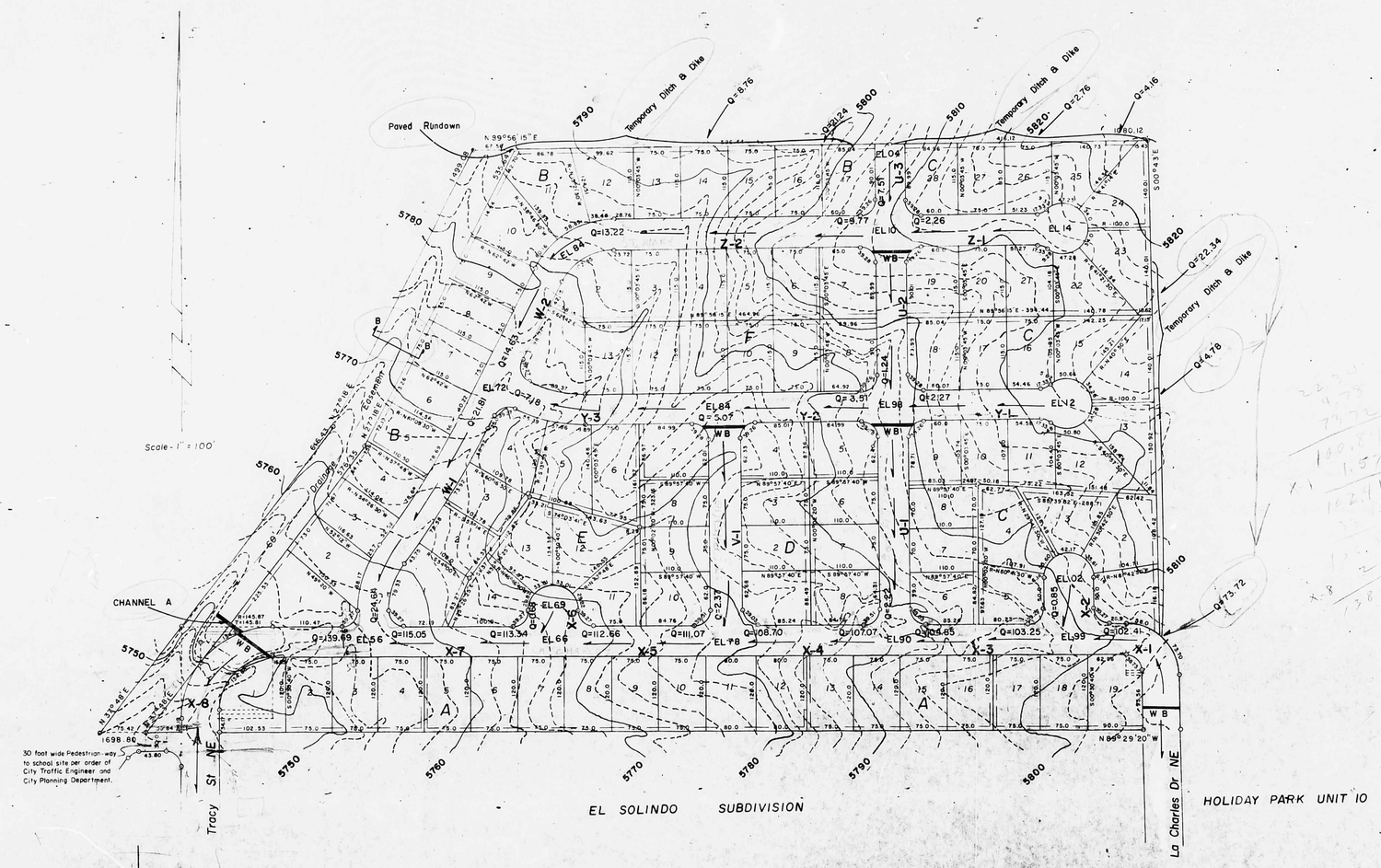
ENCHANTMENT ENGINEERING
296-4801

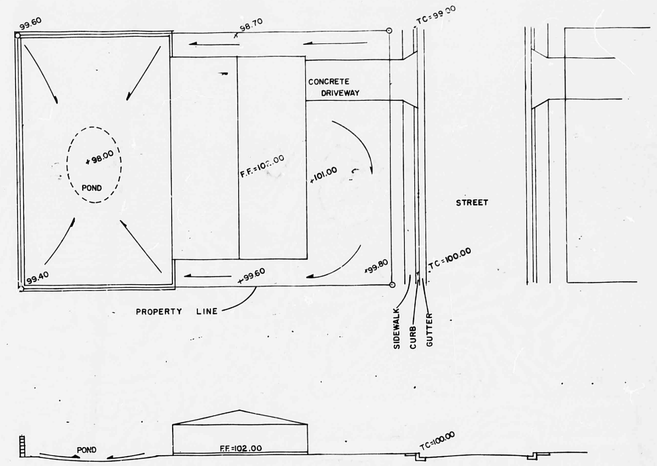
DRAINAGE
EL DORADO HEIGHTS

A SUBDIVISION IN

ALBUQUERQUE, NEW MEXICO

JANUARY 24, 1973

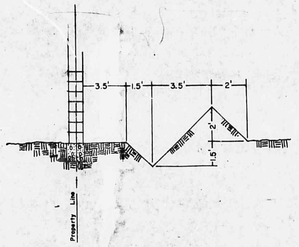




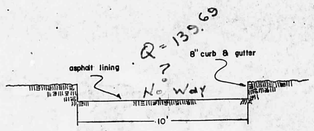
STREET DRAINAGE TABLE
i = 6.0 in/hr
c = 0.92

Street	Road Area acres	Drive Area acres	Walk Area acres	Total Area acres	Q_{100} cfs
X-1	0.220	0.027	0.039	0.286	1.57
X-2	0.076	0.066	0.014	0.156	0.85
X-3	0.214	0.040	0.038	0.292	1.60
X-4	0.207	0.053	0.037	0.297	1.63
X-5	0.211	0.040	0.038	0.289	1.59
X-6	0.061	0.053	0.011	0.125	0.68
X-7	0.220	0.053	0.039	0.312	1.71
X-8	0.261	0.053	0.047	0.361	1.98
Y-1	0.238	0.133	0.040	0.414	2.27
Y-2	0.207	0.040	0.037	0.284	1.56
Y-3	0.248	0.093	0.044	0.385	2.11
Z-1	0.236	0.133	0.042	0.411	2.26
Z-2	0.386	0.173	0.069	0.628	3.45
U-1	0.264	0.093	0.047	0.404	2.22
U-2	0.192	0.000	0.034	0.226	1.24
U-3	0.092	0.000	0.016	0.108	0.59
V-1	0.276	0.106	0.049	0.431	2.37
W-1	0.322	0.133	0.058	0.513	2.83
W-2	0.184	0.040	0.033	0.257	1.41
TOTALS	4.115	1.329	0.738	6.182	33.92

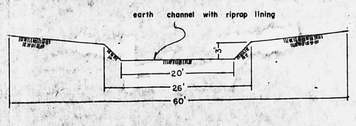
Total Area = 29.35 acres
c = 0.283 natural
i = 4.1 in/hr natural
Q_{100} = 34.05 cfs



TEMPORARY DITCH & DIKE



CHANNEL A



SECTION B-B'