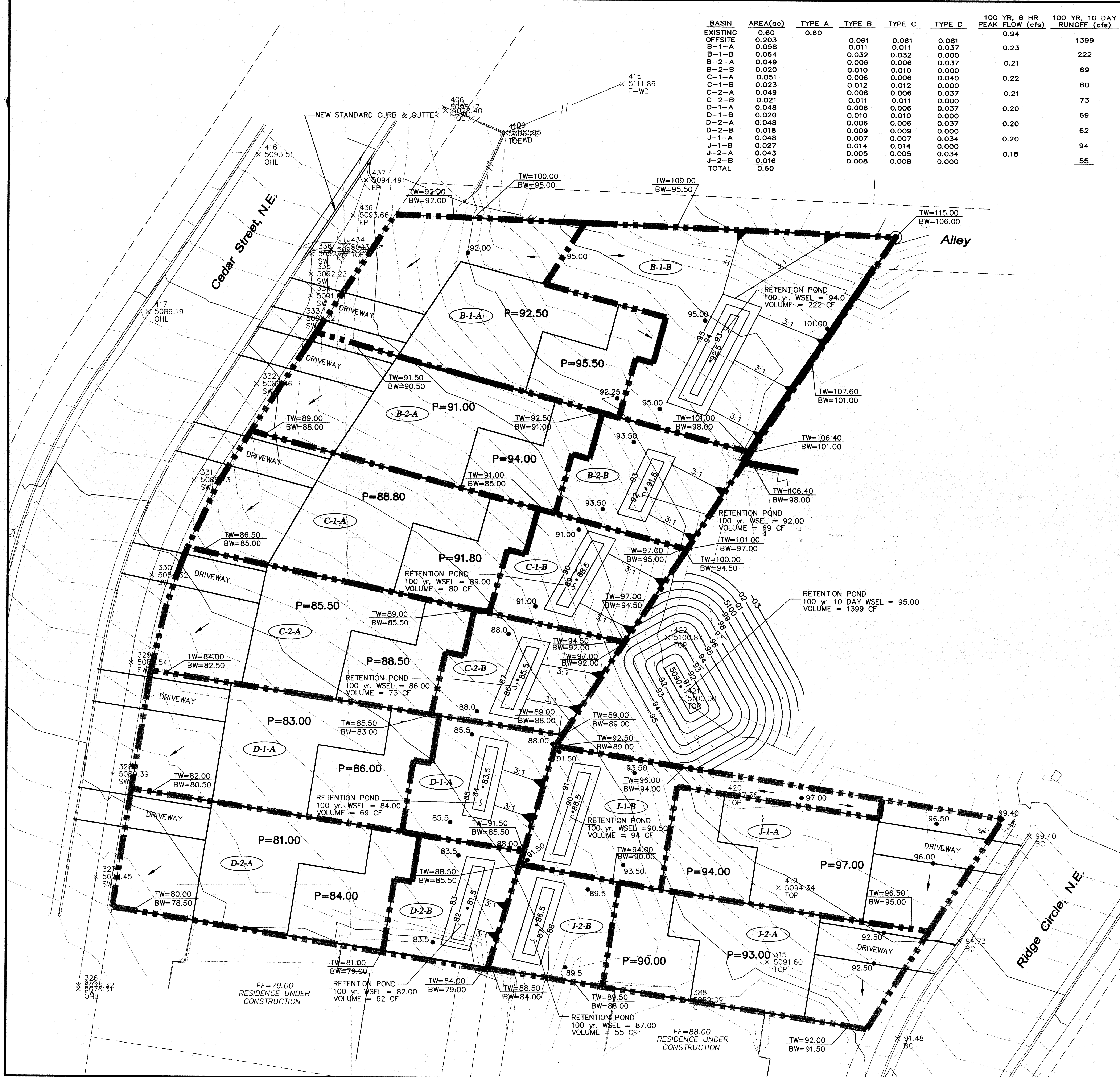
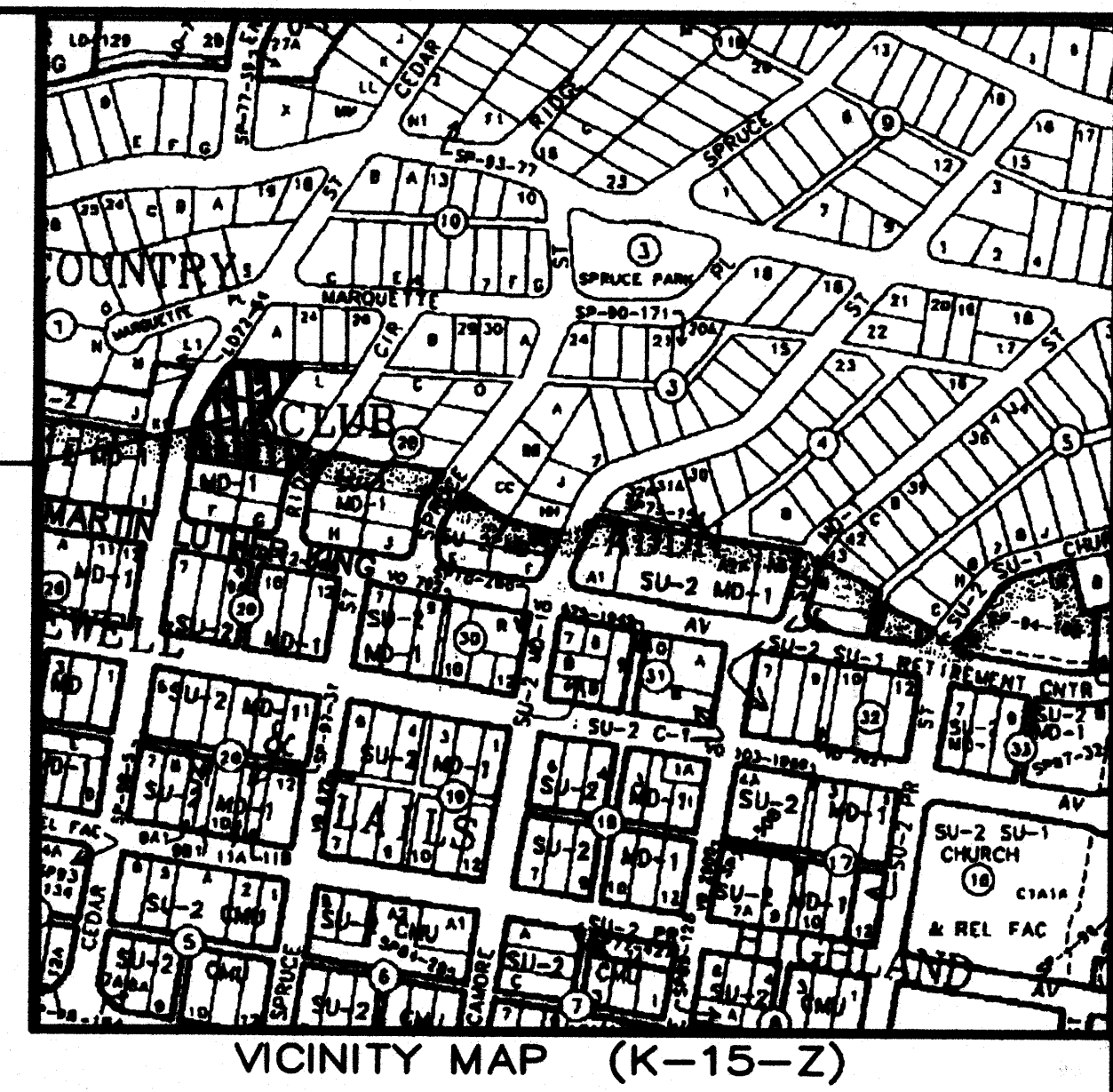




BASIN	AREA(ac)	TYPE A	TYPE B	TYPE C	TYPE D	100 YR. 6 HR PEAK FLOW (cfs)	100 YR. 10 DAY RUNOFF (cfs)
EXISTING	0.60	0.60				0.94	1399
OFFSITE	0.203						
B-1-A	0.058		0.061	0.061	0.037	0.23	222
B-1-B	0.064		0.032	0.032	0.000		
B-2-A	0.049		0.006	0.006	0.037	0.21	69
B-2-B	0.020		0.010	0.010	0.000		
C-1-A	0.051		0.006	0.006	0.040	0.22	80
C-1-B	0.023		0.012	0.006	0.037	0.21	73
C-2-A	0.049		0.006	0.006	0.000		
C-2-B	0.021		0.011	0.011	0.000	0.20	69
D-1-A	0.048		0.006	0.006	0.037	0.20	62
D-1-B	0.020		0.010	0.010	0.000		
D-2-A	0.048		0.006	0.006	0.037	0.20	94
D-2-B	0.018		0.009	0.009	0.000		
J-1-A	0.048		0.007	0.007	0.034	0.18	55
J-1-B	0.027		0.014	0.014	0.000		
J-2-A	0.043		0.005	0.005	0.034		
J-2-B	0.018		0.008	0.008	0.000		
TOTAL	0.60						

PROJECT LOCATION



DRAINAGE PLAN:
LEGAL DESCRIPTION: LOTS B-1, B-2, C-1, C-2, D-1, D-2, J-1, J-2, COUNTRY CLUB ADDITION
SITE AREA: 0.60 ACRES
BENCHMARK: ACS STATION "4-K15"
ELEVATION = 5045.075
(TOPOGRAPHIC SURVEY PERFORMED BY PRECISION SURVEYS)

FLOOD HAZARD STATEMENT: F.E.M.A. FLOODWAY BOUNDARY AND FLOODWAY MAP DATED SEPTEMBER 20, 1996 (PANEL NO. 35001C0334D) INDICATES A FLOOD HAZARD ZONE X WHICH IS AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

EXISTING DRAINAGE CONDITIONS:

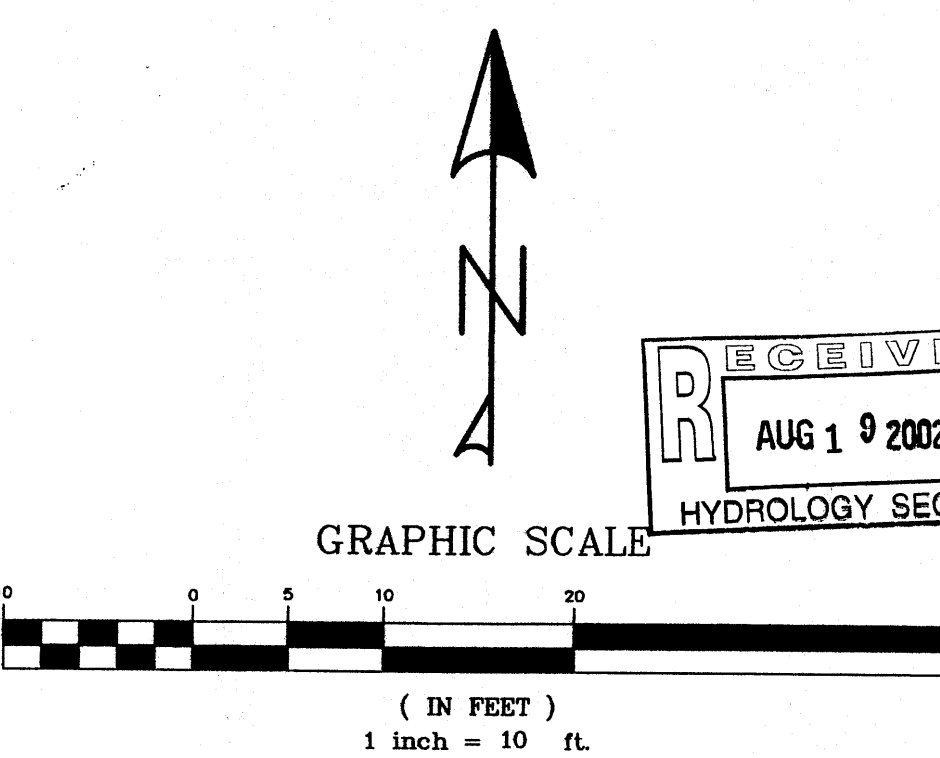
THE PROPERTY IS LOCATED BETWEEN CEDAR STREET AND RIDGE CIRCLE JUST NORTH OF MARTIN LUTHER KING AVENUE. THE EXISTING SITE DRAINS FROM NORTHEAST TO SOUTHWEST TO CEDAR STREET AT AN AVERAGE SLOPE OF 15'. OFFSITE FLOWS THAT REACH THE SITE FROM LOT K, JUST NORTH OF LOT J-1, A TOTAL OF 0.71 CFS DRAINS FROM THE OFFSITE LOT TO LOT J-1.

THE DRAINAGE ANALYSIS FOR THIS SITE IS IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL SECTION 22.2, HYDROLOGY. THE PROPERTY IS LOCATED IN ZONE 2. THE 100-YEAR, 6-HOUR STORM IS 2.35 INCHES. UNDER EXISTING CONDITIONS THE SITE IS CONSIDERED TO BE LAND TREATMENT C BECAUSE OF ITS SLOPE. THE PEAK RUNOFF DURING A 100-YEAR, 6-HOUR STORM UNDER EXISTING CONDITIONS IS 0.94 CFS.

DEVELOPED DRAINAGE CONDITIONS:

EACH LOT IS DIVIDED INTO TWO DRAINAGE BASINS SO THE ENTIRE SITE HAS 16 DRAINAGE BASINS. THE FRONT PART OF EACH LOT WILL DRAIN TO THE STREET. THE REAR PART OF EACH LOT WILL DRAIN TO A RETENTION POND LOCATED IN THE BACKYARD. EACH RETENTION POND IS SIZED TO STORE THE 100-YEAR, 10-DAY STORM RUNOFF WITH ONE FOOT OF FREEBOARD. NOT ACCOUNTING FOR THE BACKYARD PONDING, THE TOTAL RUNOFF REACHING CEDAR STREET FROM THE LOTS IS 1.27 CFS, WHILE THE RUNOFF DRAINING TO RIDGE CIRCLE IS 0.38 CFS. ALMOST EVERY SIDE AND BACK LOT LINE WILL HAVE A RETAINING WALL RANGING FROM 1.5 FEET TO 9 FEET HIGH. THE OFFSITE FLOW FROM LOT K WILL BE INTERCEPTED AND RETAINED IN A POND SIZED TO STORE THE 100 YEAR 10-DAY STORM.

- LEGEND
- 99.9 SPOT ELEVATIONS
 - RETAINING WALL
 - EXIST. MAJOR CONTOURS
 - EXIST. MINOR CONTOURS
 - BASIN BOUNDARY
 - BASIN NUMBER
 - FLOW DIRECTION



THOMPSON ENGINEERING CONSULTANTS CIVIL ENGINEERING SERVICES PHONE: (505)896-7996 FAX: (505)896-6112	
DATE	BY
REVISION	NO.
PROJECT: CEDAR ST. & RIDGE CIRCLE TOWNHOMES	
DRAWN BY: BLN	
CHECKED BY:	
APPROVED BY:	
FILE:	
HORIZ. SCALE:	
VERT. SCALE:	
CITY/COUNTY REVIEW	
DATE	SIGN-OFF
DEPARTMENT	WATER SERVICES
WASTEWATER MGMT. DIV.	SUBDIVISION ENG.
STREETS	TRAFFIC
FOR CITY/COUNTY USE ONLY	
SHEET No. 1	