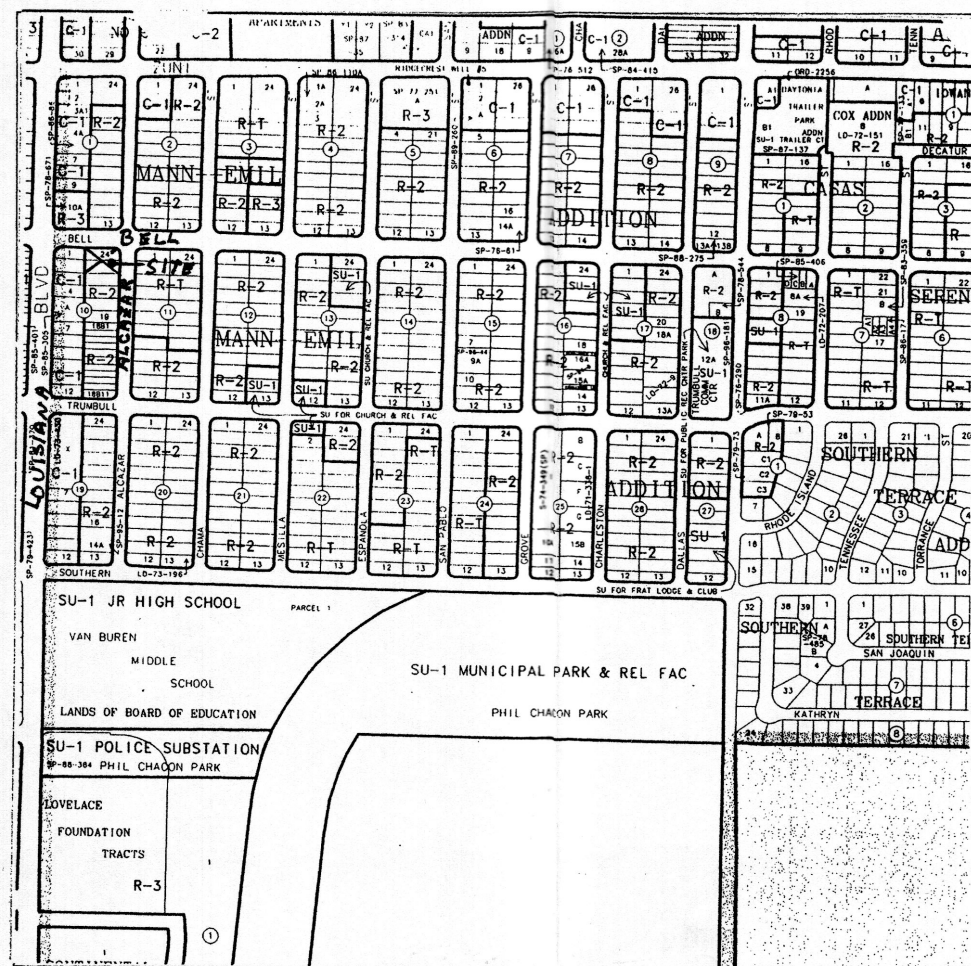


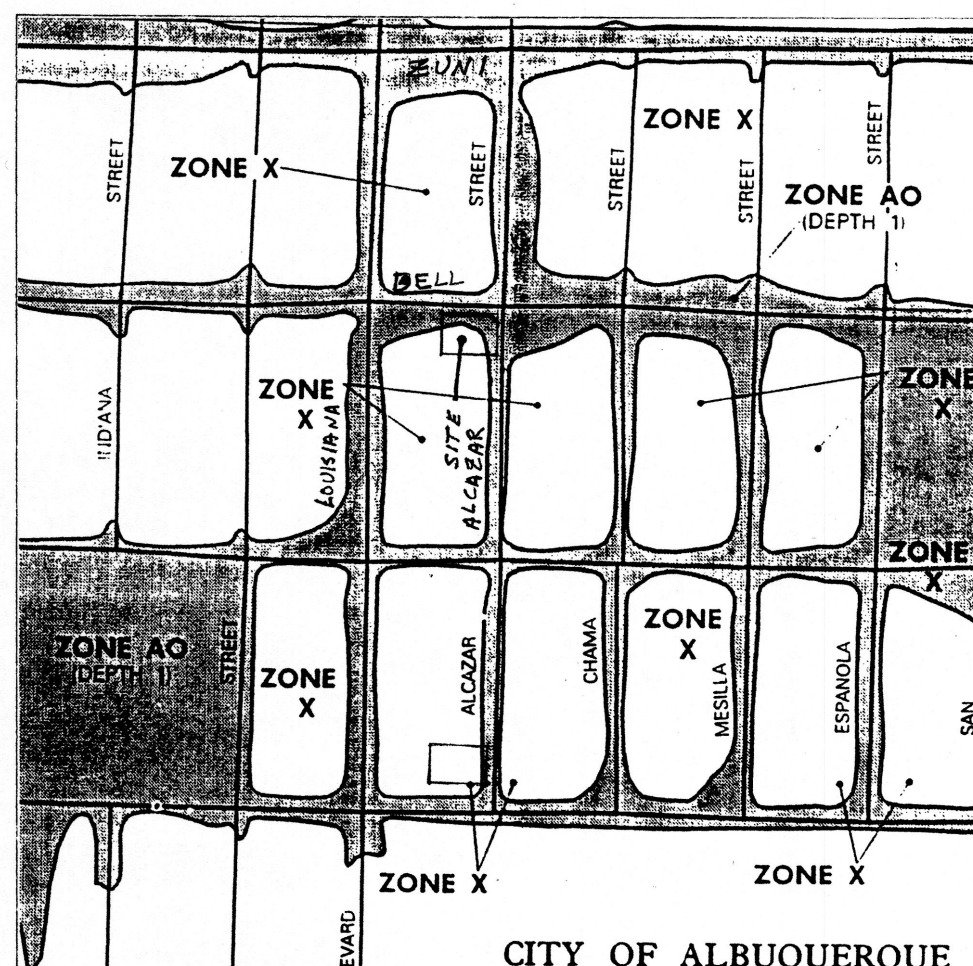
NOTE: AS-BUILT FINISHED FLOOR AND PRE-DESIGN EXISTING ELEVATIONS WERE MEASURED BY DOUGLAS H. SMITH, N.M.P.S. NO. 7002, AND ARE SHOWN ON THIS DRAWING. THE BENCHMARK FOR THESE ELEVATIONS IS 6-L-18, ACS, EL. 5327.676, NAD 1927, CHISELED SQUARE, N.W. CURB RETURN, LOUISIANA BLVD., S.E. AND TRUMBULL AVE., S.E.

GRADING PLAN - BELL & ALCAZAR

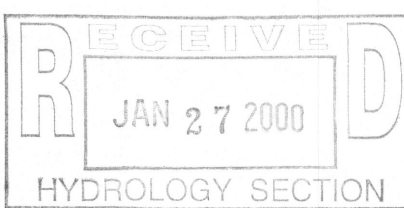
- LEGEND
- EXISTING SPOT ELEVATIONS
  - PROPOSED SPOT ELEVATIONS
  - EXISTING CONTOURS
  - PROPOSED CONTOURS
  - CONCRETE
  - FLOWLINE
  - POWER LINE
  - FLOODPLAIN
  - T.C. 35.25 TOP OF CURB



LEGAL DESCRIPTION: LOTS 23-A, 23-B, 24-A, & 24-B, BLOCK 10, MANN-EMIL ADD'N., ALBUQUERQUE, NM ADDRESS: BELL & ALCAZAR, S.E.



PANEL NO. 354 OF 825



GENERAL:

THIS VACANT TRACT OF LAND IS LOCATED ON THE S.E. CORNER OF ALCAZAR AND BELL, S.E. AND ONE BLOCK EAST OF LOUISIANA BLVD., S.E. IT HAS BEEN REPLATTED INTO FOUR LOTS AND AFFORDABLE HOUSING UNITS ARE TO BE BUILT BY THE "GREATER ALBUQUERQUE HOUSING PARTNERSHIP"

THIS REACH OF ALCAZAR AND BELL IS IN THE AO FLOODZONE WITH A DEPTH OF ONE FOOT. THE LOT HAS TO BE FILLED IN ORDER TO HAVE THE FINISHED FLOOR ELEVATION AT 2 FEET ABOVE THE FLOWLINE IN ALCAZAR, S.E. AND BELL, S.E. THE FINAL GRADING IS TO HAVE THE PROPERTY LINE, WHICH IS 9 FEET BACK OF THE CURB, AT AN ELEVATION OF ONE FOOT ABOVE THE FLOWLINE, WHICH PLACES THE FLOOD ZONE AT THE PROPERTY LINE.

DUE TO THE ADVERSE GRADIENT IN THESE LOTS, IT IS NECESSARY TO BUILD HEADER CURBS. TO KEEP CROSS DRAINAGE FROM OCCURRING BETWEEN THE FOUR BUILDING SITES, HEADER CURBS NECESSARY BETWEEN LOTS TO THE FRONT OF THE DWELLING UNITS.

%%PROPOSED RUNOFF:%%U

THE RUNOFF FROM EACH OF THE FOUR LOTS ARE TABULATED SEPARATELY. THE DRIVEWAYS ARE TO BE ROLL COMPACTED GRAVEL WITH A SOIL TREATMENT C. THE IMPERVIOUS AREAS, BUILDINGS, PATIOS, AND SIDEWALKS ARE SOIL TREATMENT D, AND THE BALANCE OF THE AREA IS ASSUMED TO BE LANDSCAPED WITH SOIL TREATMENT B.

THE SITE IS IN PRECIPITATION ZONE 3, WHICH HAS A PEAK Q IN CFS/ACRE AS A FUNCTION OF SOIL TREATMENT OF A= 1.87, B= 2.60, C= 3.45, AND D= 5.02. THE EXCESS PRECIPITATION FOR ZONE 3 IN INCHES AS A FUNCTION OF SOIL TREATMENT IS A= 0.66, B= 0.92, C= 1.29, AND D= 2.36. THESE Q'S AND E'S ARE FOR THE 6 HOUR 100 YEAR STORM.

BASED UPON THESE VALUES AND THE SITE, THE Q'S ARE TABULATED USING  $Q_p = (A_p Q_b + A_c Q_c + A_d Q_d) / 43,560$ , WHERE A IS AREA OF EACH TREATMENT AND Qp IS THE PEAK DISCHARGE OF EACH TREATMENT.

LOT NO.	23-A	23-B	24-A	24-B
AREA TOTAL (SF)	3,100	3,000	3,614.16	3,700
AREA IMPERVIOUS (SF)	1,425	1,425	1,585	1,585
AREA GRAVEL (SF)	430	284	190	190
AREA LANDSCAPED (SF)	1,245	1,311	1,839	1,925
Qp100 (IMPERVIOUS - CFS)	0.18	0.18	0.18	0.18
Qp100 (GRAVEL - CFS)	0.03	0.02	0.02	0.02
Qp100 (LANDSCAPED - CFS)	0.07	0.08	0.11	0.11
Qp100 TOTAL (CFS)	0.28	0.26	0.31	0.31

ALL FOUR OF THESE HOUSING UNITS ARE GRADED SUCH THAT THE RUNOFF FROM STORM WATERS ARE ROUTED TO BE IN THE FRONT OF THE LOTS.

ON JANUARY 14, 2000 THIS SITE WAS INSPECTED AND FOUND TO BE IN SUBSTANTIAL COMPLIANCE WITH THIS APPROVED DRAINAGE AND GRADING PLAN.

C.A. COONCE N.M.P.E. # 2934 JAN. 25, 2000 DATE

C.A. COONCE & ASSOC.  
ENVIRONMENTAL, WATER RESOURCES, & SANITARY CONSULTING ENGINEERS  
12324 PINERIDGE N.E. ALBUQUERQUE, N.M. 87112 PH (505) 296-1089

TITLE  
**SITE GRADING PLAN**

PROJECT  
**BELL & ALCAZAR, S.E.**

DATE	05/13/99	REVISED	
DRAWN	LSC	1/23/00	
CHECKED	CAC		

SHEET 1 of 1