

FILE COPY



KEN SCHULTZ
MAYOR

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 25, 1989

Richard Norton, P.E.
Post Office Box 2001
Corrales, New Mexico 87048

RE: REVISED DRAINAGE PLAN FOR CORONA DEL SOL
(G-11/D49) REVISION DATED JULY 6, 1989

Dear Mr. Norton:

Based on the information provided on your resubmittal of July 6, 1989, the referenced drainage plan is approved for building permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+1124)

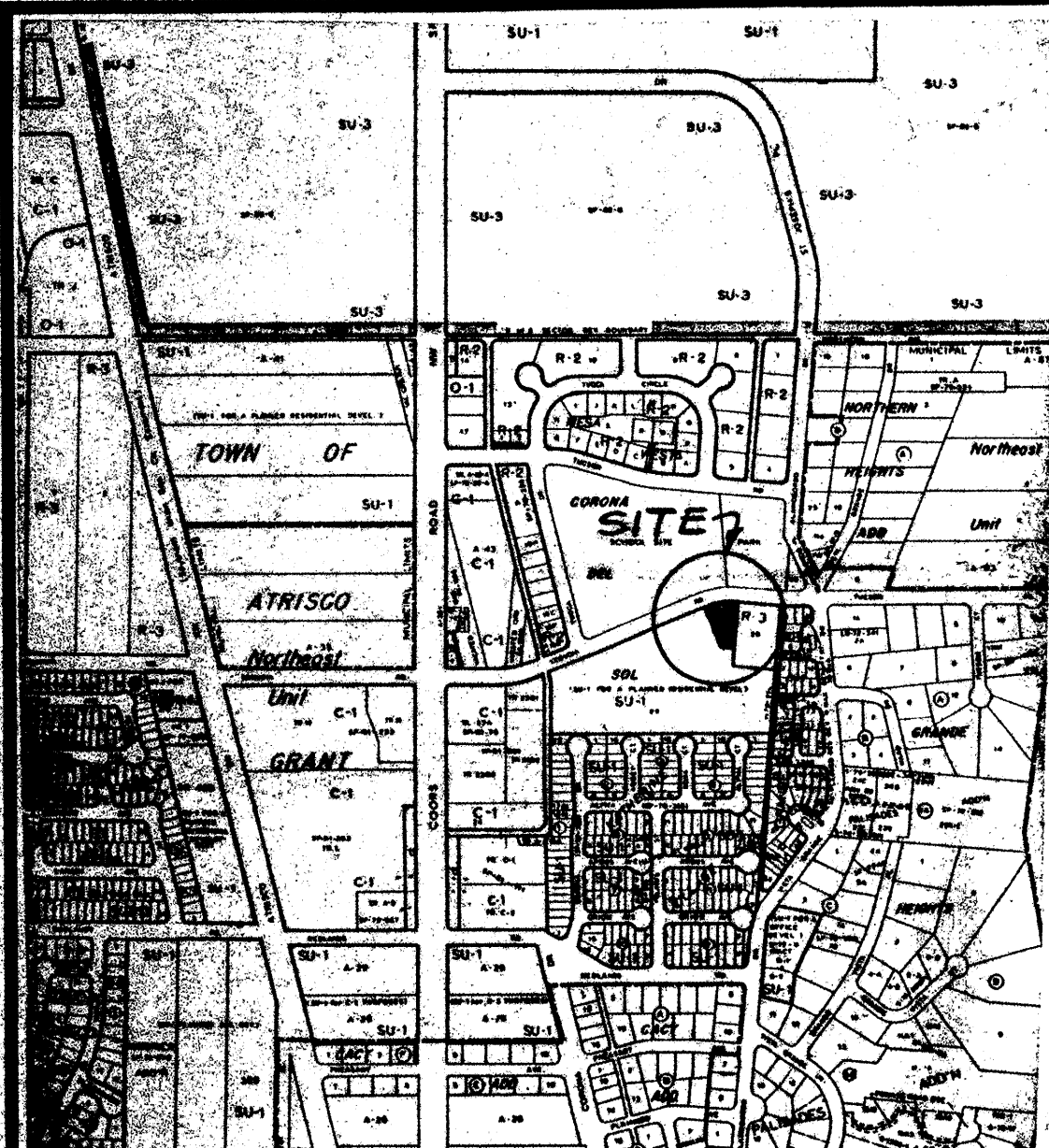
PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER



6-11-7

TRACT 21
CORONA DEL SOL, A SUBDIVISION,
ALBUQUERQUE, NEW MEXICO

ENGINEER'S REPORT ON DRAINAGE

Area = 20,400 Sq. Ft. = 0.47 Acre.

City of Albuquerque
SPECIAL ASSESSMENT DISTRICT 198

DRAINAGE SUB-BASINS

Sub-Basin D-2	7000 Sq. Ft.	0.16 Ac.	Area 1
Sub-Basin B-4	13400 Sq. Ft.	0.31 Ac.	Area 2

DEVELOPED CONDITIONS

Area 1	A	C	CA
Building	1500 S.F.	0.9	1350
Paving	4460 S.F.	0.95	4237
Landscape	1040 S.F.	0.25	260
	7000 S.F.		5748

$C_c = 0.84$

Area 2

Area 2	A	C	CA
Building	5525 S.F.	0.9	4975
Paving	6475 S.F.	0.95	6151
Landscape	1400 S.F.	0.25	350
	13400 S.F.		11,476

$C_c = 0.84$

DEVELOPED CONDITIONS

$$Q = C I A$$

$$C = 0.84$$

$$I = 4.86$$

$$A = 0.47$$

$$= (0.84)(4.86)(0.47) = 1.92 \text{ C.F.S.}$$

$$Q = 1.92 \text{ C.F.S.}$$

Vol. Dev. - PLATE 22.2C-2 $C_N = 0.89$
 PLATE 22.2C-A
 $P = 2.2"$
 $C_N = 0.89$
 $Q_{in} = 1$
 Vol. = 1700 C.F.

NOTE--
FOR CONVENIENCE THE ELEVATIONS
HEREON ARE ABBREVIATED AND
ADDING THE PREFIX (5) WILL GIVE
THE TRUE ELEVATION.

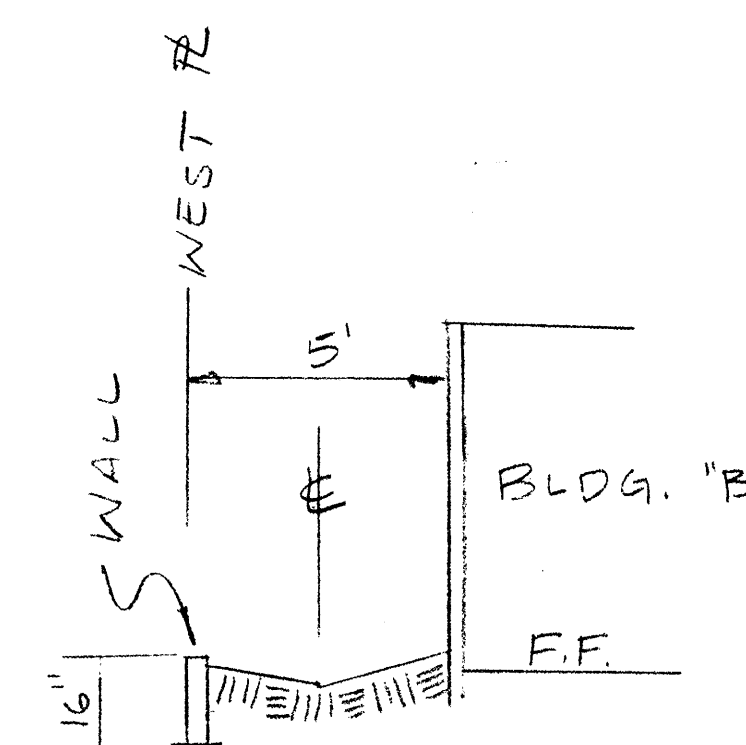
NOTE--
BENCH MARK--
CONTROL STATION NM 448-N4A
ELEV. = 5104.408
INTERSECTION OF SEQUOIA AND
COORDS BLVD. NW.

LEGEND

- +—+— EXISTING GRADE
- FINISHED GRADE
- EXISTING TOPOGRAPHY

0 25 50 100

SCALE - 1" = 20'



SEC. "A"
DRAINAGE SWALE
TO STREET

OFFSITE FLOWS

LAND IS UNDEVELOPED; SLOPES
AT LESS THAN 1%
CONTRIBUTORY AREA
APPROXIMATELY 0.64 ACRE,
MAXIMUM POSSIBLE OFFSITE FLOWS
(UNDEVELOPED)

$$T_c = 10. \text{ MIN.}$$

$$Q = C I A$$

$$C = 0.4 \text{ (PERVIOUS)}$$

$$I = 4.86$$

$$A = 0.64$$

$$= 0.4(4.86)(0.64) = 1.2$$

$$Q = 1.2 \text{ C.F.S.}$$

RECEIVED
JUL 06 1989
HYDROLOGY SECTION

REV 6-23-80 REMOVE POND DIA

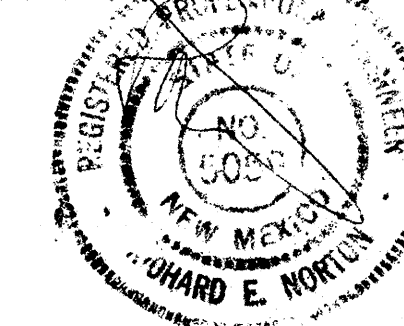
GRADING AND DRAINAGE PLAN

LOT 21

CORONA DEL SOL

A SUBDIVISION

ALBUQUERQUE, NEW MEXICO



REVISED
7/6/89

5/24/89
Revised 6/30/89