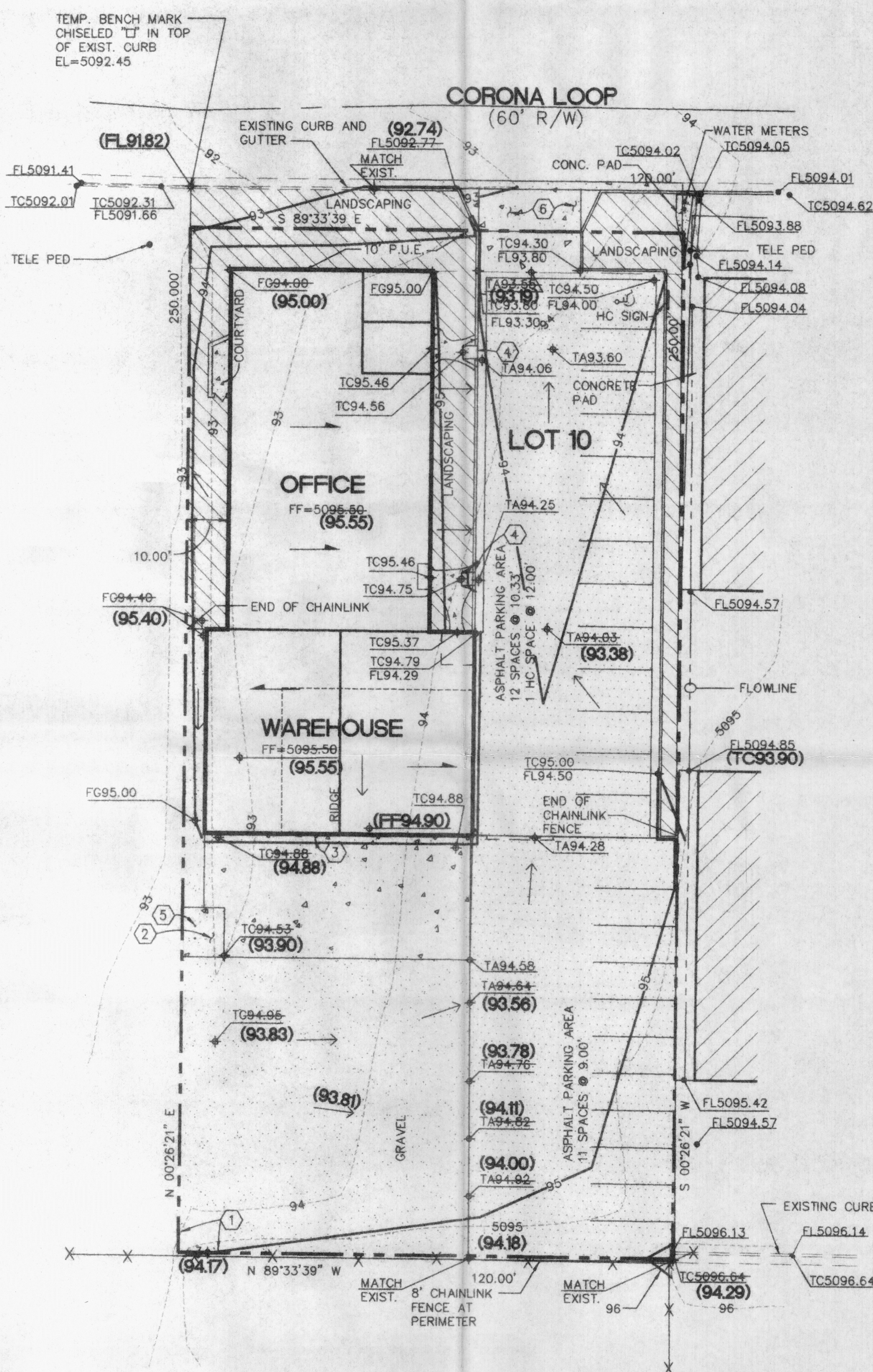




DESIGN NARRATIVE

- FREE DISCHARGE OF RUNOFF FROM THIS SITE IS RECOMMENDED BASED ON DISCUSSION WITH BERNIE MONTOYA OF CITY OF ALBUQUERQUE HYDROLOGY DIVISION AND HIS INTERPRETATION OF THE CLIFFORD BUSINESS PARK MASTER PLAN AS IT IMPACTS THIS SITE.
- AFTER LEAVING THIS SITE, RUNOFF SURFACE FLOWS WEST ON CORONA LOOP TO WASHINGTON. THESE FLOWS ARE THEN DIRECTED SOUTH TO A CHANNEL FLOWING WEST FROM THE BUSINESS PARK NEAR THE INTERSECTION OF WASHINGTON AND ANAHEIM.
- NO SIGNIFICANT OFF-SITE FLOWS IMPACT THE DRAINAGE OF THIS SITE.

I HEREBY CERTIFY THIS DRAINAGE PLAN IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.

SIGNED: *[Signature]*
DATE: 12/2/94

LEGEND

FG49.30	NEW SPOT ELEVATION	---	PROPERTY LINE
FG5449.30	EXISTING SPOT ELEVATION	---	EXISTING CONTOUR
→	ROOF SLOPE DIRECTION	---	NEW CONTOUR
←	DIRECTION OF FLOW	---	CURB AND GUTTER
TC	TOP OF CURB	---	EXISTING CURB AND GUTTER
FL	FLOWLINE	---	ASPHALT
FG	FINISHED GRADE	---	CONCRETE
TA	TOP OF ASPHALT	---	GRAVEL
TG	TOP OF GRAVEL	---	NEW BUILDING
P.U.E.	PUBLIC UTILITY EASEMENT	---	TELEPHONE PEDESTAL
X	FENCE	---	AS-BUILT ELEVATION
---	LANDSCAPING	---	

CALCULATIONS

SITE AREA = 120'X250' = 30000SF = 0.689 AC

PRECIPITATION ZONE ②

DESIGN STORM = 100 YR 6HR
 $P_{60} = 2.35$ IN
 $P_{10} = 2.35 (.667) = 1.57$ IN

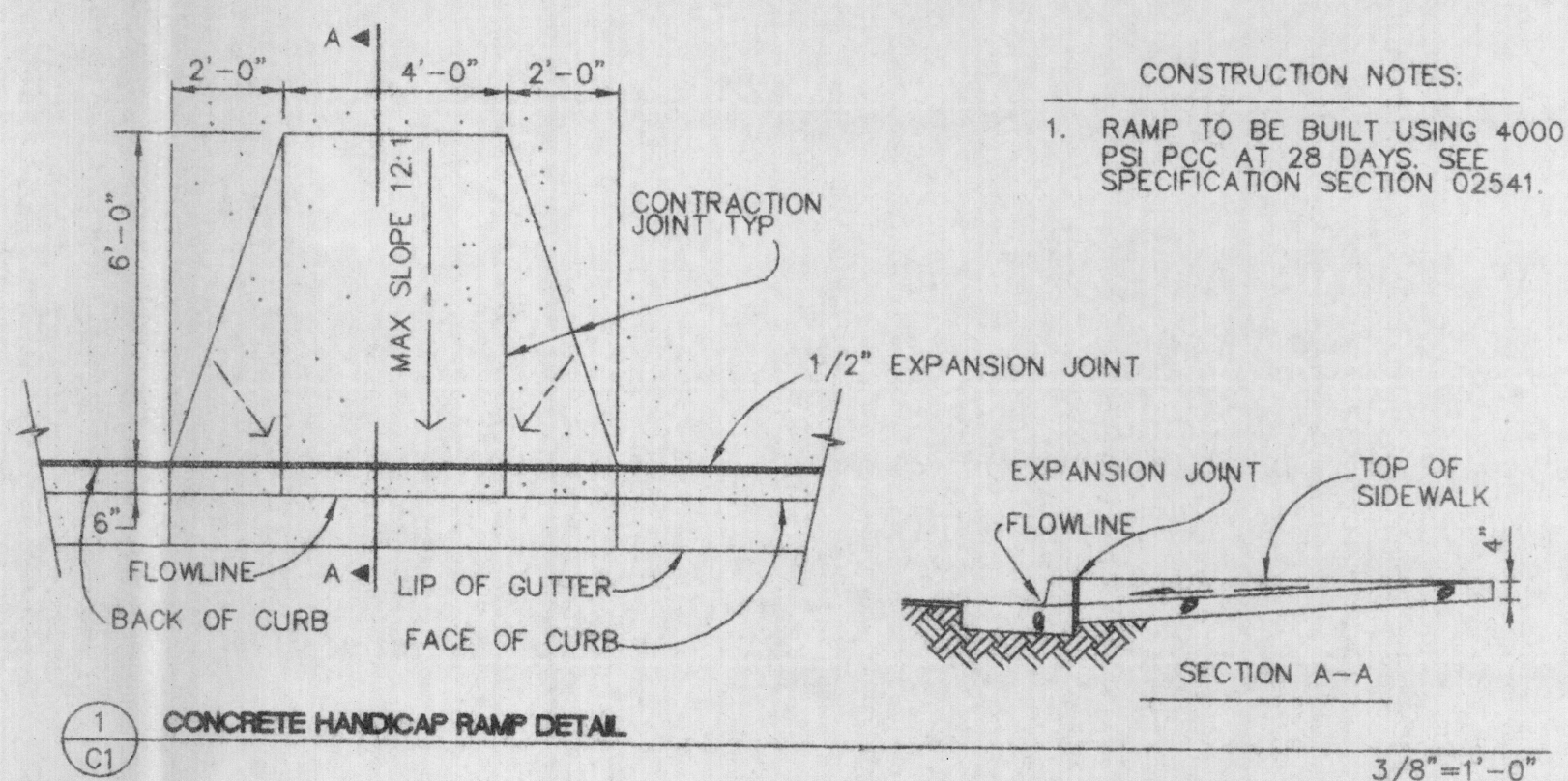
PEAK DISCHARGE, QP
 TOTAL QP = > EXISTING = 1.56X0.689 = 1.075CFS
 PROPOSED = (2.28X0.056)+(3.14X0.117)+(4.70X0.516) = 2.92 CFS

LAND TREATMENT

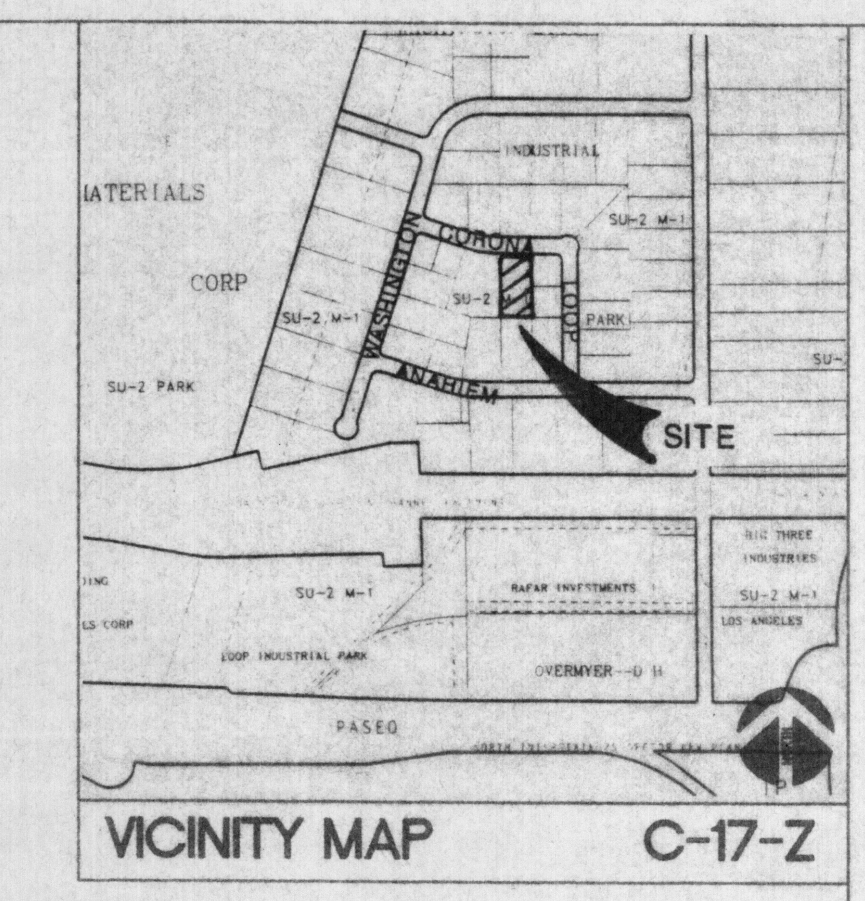
	AREA	
	EXISTING	PROPOSED
A	0.689AC	0
B	0	0.056AC
C	0	0.117AC
D	0	0.516AC
TOTAL:	0.689AC	0.689AC

VOLUME RUNOFF, V₃₆₀
 $V_{360} = 1.84 \text{ IN } (\frac{1}{12}) \times 30000\text{SF} = 4600\text{CF}$

EXCESS PRECIPITATION, E
 EXISTING WEIGHTED E = 0.53 IN.
 EXISTING WEIGHTED E = $(0.78X0.056)+(0.117X1.13)+(2.12X0.516) = 1.27$
 $\frac{1.27}{0.689} = 1.84$ IN



CONSTRUCTION NOTES:
 1. RAMP TO BE BUILT USING 4000 PSI PCC AT 28 DAYS. SEE SPECIFICATION SECTION 02541.



KEYED NOTES

- 8' CHAIN LINK FENCE
- DUMPSTER PAD - SEE ARCHITECTURAL SHEETS
- 8" BOLLARDS - SEE ARCHITECTURAL SHEETS
- HANDICAP RAMP PER DETAIL 1/C1
- 4" BOLLARDS - SEE ARCHITECTURAL SHEETS
- CONCRETE VALLEY GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420

LEGAL DESCRIPTION

T11N, R3E, SEC 14, CLIFFORD INDUSTRIAL PARK, LOT-10

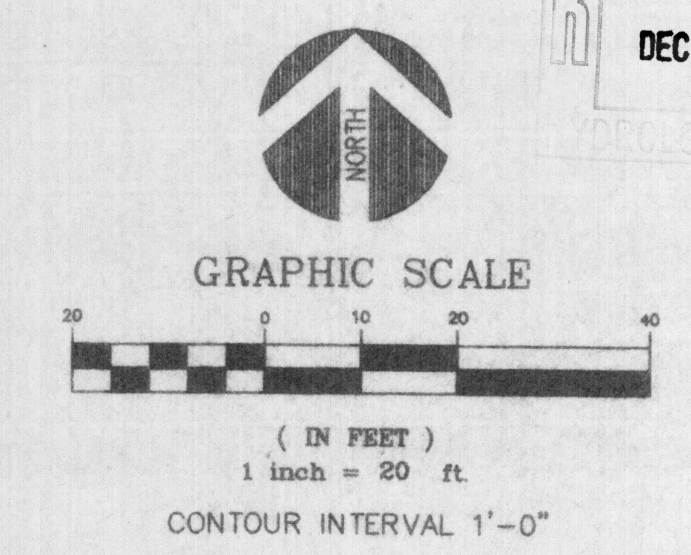
INCA OFFICE BUILDING CLIFFORD INDUSTRIAL PARK GRADING AND DRAINAGE PLAN

[Signature]
12/2/94

SHEET
C1

SCALE 1' = 20'

DATE 6-29-94



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