PROJECT _____

LOCATION _____

ANALYSIS POINT # DEVELOPED

(DR. AREA) A = 0.459 ACRES

T_c 10 MIN

POINT RAINFALL 2.2 IN. FROM PLATE 22.2 D-1

CN = 90 FROM PLATES 22.2 C-2, 22.2 C-3

RUNOFF VOLUME R = 1.3 IN. FROM PLATE 22.2 C-4

COMPUTED T_p = 10 MIN. ($T_p = T_c$) (Rounded to even minute)

$q_p = \frac{45.4A}{T_p}$ = 2.08 CFS./INCH OF RUNOFF

(R X q_p) Q_{peak} = 2.71 CFS

t(COLUMN)=(t/T_p) $t = T_p(t/T_p)$

$y = \frac{Q}{Q_{peak}}$ $Q = y(Q_{peak})$

VOL. = 1.3(.459)(1/12)(43,560) = 2166 Cu. Ft.

PROJECT _____

LOCATION _____

ANALYSIS POINT # UNDEVELOPED

(DR. AREA) A = 0.459 ACRES

T_c 10 MIN

POINT RAINFALL 2.2 IN. FROM PLATE 22.2 D-1

CN = 70 FROM PLATES 22.2 C-2, 22.2 C-3

RUNOFF VOLUME R = 0.35 IN. FROM PLATE 22.2 C-4

COMPUTED T_p = 10 MIN. ($T_p = T_c$) (Rounded to even minute)

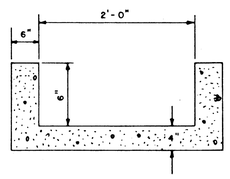
$q_p = \frac{45.4A}{T_p}$ = 2.08 CFS./INCH OF RUNOFF

(R X q_p) Q_{peak} = 0.729 CFS

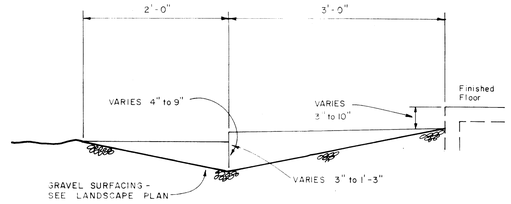
t(COLUMN)=(t/T_p) $t = T_p(t/T_p)$

$y = \frac{Q}{Q_{peak}}$ $Q = y(Q_{peak})$

VOL. = 0.35(0.459)(1/12)(43,560) = 583 Cu. Ft.



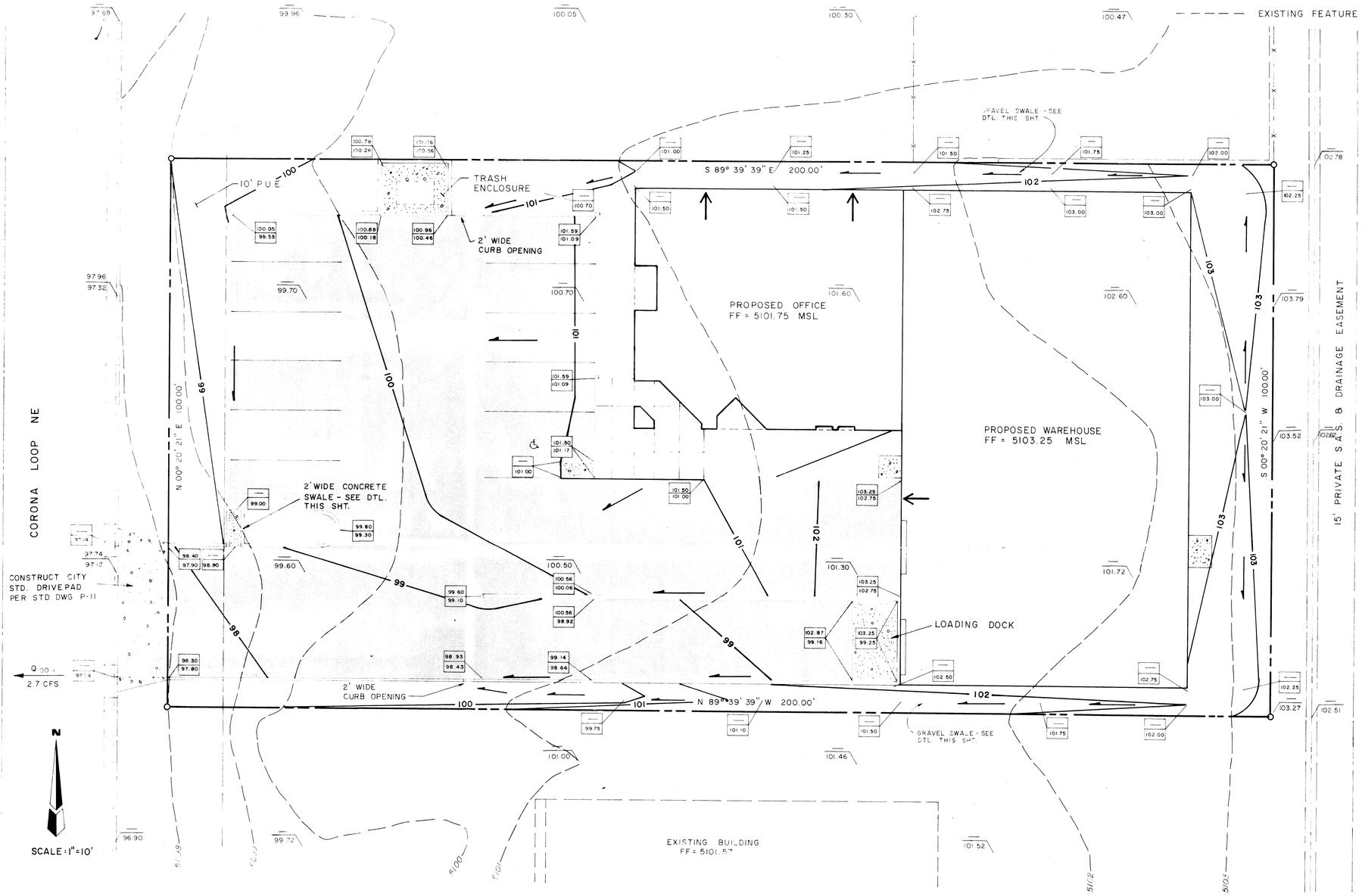
CONCRETE SWALE
NTS

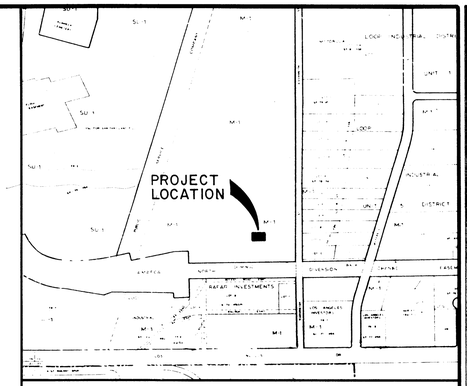


GRAVEL SWALE
NTS

LEGEND

- CONCRETE SURFACE
- ASPHALT SURFACE
- 70 PROPOSED CONTOUR
- 70 EXISTING CONTOUR
- TC / FL PROPOSED SPOT ELEVATION (TOP OF CURB & FLOW LINE)
- TC / FL EXISTING SPOT ELEVATION (TOP OF CURB & FLOW LINE)
- ROOF LEADER
- FLOW ARROW
- EXISTING FEATURE





VICINTY MAP
NOT TO SCALE
ZONE ATLAS PAGE C-17

T. B. M.

CUT ON TOP OF CURB OPPOSITE NW PROPERTY CORNER.
ELEVATION = 5098.21' M.S.L.

ACS BENCHMARK

BM No. 6-C17, A 60-PENNY NAIL, LOCATED IN A ELECTRIC POWERLINE, 60 ft. NORTH OF LOS ANGELES DR. APPROXIMATELY 850 ft. EAST OF WASHINGTON ST. NE.
ELEVATION = 5120.260 M.S.L.

LEGAL DESCRIPTION

LOT 13, CLIFFORD INDUSTRIAL PARK, WITHIN SECTION 14, T11N, R.3E. ALBUQUERQUE, NEW MEXICO

GENERAL NOTE

1. TOPOGRAPHIC SURVEY WAS PROVIDED BY VISTA SURVEY and MAPPING
2. SITE DOES NOT LIE IN THE 100-YEAR FLOOD PLAIN
3. ADD 5000 TO ALL SPOT AND CONTOUR ELEVATIONS.
4. SEE SITE PLAN FOR TRUE DIMENSIONS.
5. ALL ELEVATIONS ARE MSL (MEAN SEA LEVEL).
6. CONTRACTOR IS TO NOTIFY OWNER OF ANY DISCREPANCIES IN EXISTING GROUND ELEVATIONS PRIOR TO CONSTRUCTION.
7. 12" COMPACTED SUBGRADE TO A MINIMUM OF 95% ASTM D 1557 UNDER ALL AREAS TO BE PAVED.
8. NO OFF-SITE FLOWS ENTER THIS SITE.
9. CONTRACTOR IS TO CONSTRUCT TEMPORARY EARTHEN BERM ALONG SOUTH AND WEST PROPERTY LINE FOR EROSION AND SEDIMENTATION CONTROL. BERM IS TO BE 2' HIGH.

RECEIVED
JUL 15 1987
HYDROLOGY SECTION

REGISTERED ARCHITECT BILL J. SHELTON STATE OF N.M.

BILL J. SHELTON & ASSOCIATES ARCHITECTS, A.I.A.
1113 RHODE ISLAND NE ALBUQUERQUE, NEW MEXICO 87110 TELEPHONE (505) 262-2363

CORONA LOOP OFFICE/WAREHOUSE FOR FAIR PLAZA ASSOCIATION

REVISIONS

DATE

SHEET NO C1 of 1

REGISTERED D. MARK GOODWIN NEW MEXICO 8948 PROFESSIONAL ENGINEER 7/13/87

GRADING AND DRAINAGE PLAN

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 21307
ALBUQUERQUE, NEW MEXICO 87154
(505) 265-0905

Drawn: DMR | Checked: MG | Date: JULY, 1987