

PROJECT EUBANK CENTER

LOCATION _____

ANALYSIS POINT # UNDEVELOPED

(DR. AREA) A = 0.637 ACRES

T_c 10 MIN

POINT RAINFALL 2.4 IN. FROM PLATE 22.2 D-1

CN = 83 FROM PLATES 22.2 C-2, 22.2 C-3

RUNOFF VOLUME R = 1.05 IN. FROM PLATE 22.2 C-4

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

$q_p = 45.4A = 2.89$ CFS./INCH OF RUNOFF
 T_p

$(R \times q_p) = Q_{peak} = 3$ CFS

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

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

$Vol. = 1.05(637)(\frac{1}{12})43560 = 2428$ Cu. Ft.

PROJECT EUBANK CENTER

LOCATION _____

ANALYSIS POINT # DEVELOPED

(DR. AREA) A = 0.637 ACRES

T_c 10 MIN

POINT RAINFALL 2.4 IN. FROM PLATE 22.2 D-1

CN = 95 FROM PLATES 22.2 C-2, 22.2 C-3

RUNOFF VOLUME R = 1.9 IN. FROM PLATE 22.2 C-4

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

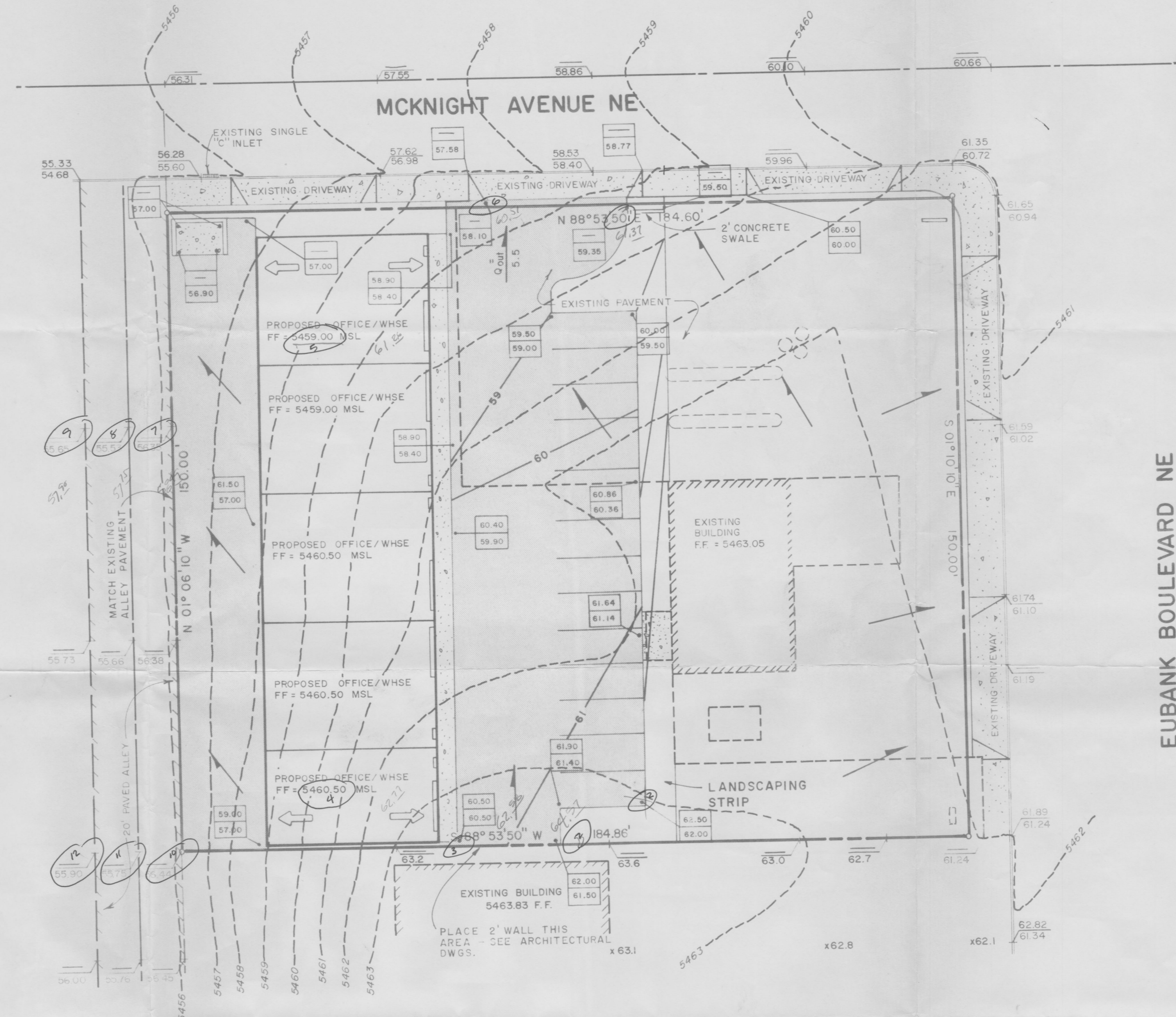
$q_p = 45.4A = 2.89$ CFS./INCH OF RUNOFF
 T_p

$(R \times q_p) = Q_{peak} = 5.5$ CFS

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

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

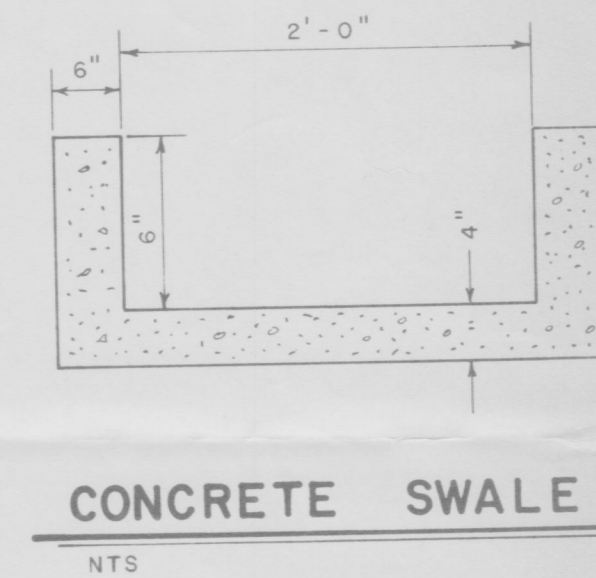
$Vol. = 1.9(637)(\frac{1}{12})43560 = 4393$ Cu. Ft.



N

SCALE: 1" = 20'

- LEGEND**
- EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - PROPOSED SPOT ELEVATION
 - CONCRETE PAVEMENT
 - ASPHALT PAVEMENT
 - FLOW ARROW
 - ROOF SCUPPER LOCATION
 - PROPOSED CONTOUR



VICINITY MAP
N.T.S.

LEGAL DESCRIPTION

TRACT A, BLOCK 6, OXHEER HEIGHTS SUBDIVISION, 1665 EUBANK BLVD. NE.

ACS BENCHMARK

STATION 10-J21
LOCATED IN MEDIAN ON INDIAN SCHOOL ROAD EAST OF EUBANK. BRASS CAP SET IN CONCRETE STAMPED "ACS 10-J21" ELEVATION = 5466.20 M.S.L.

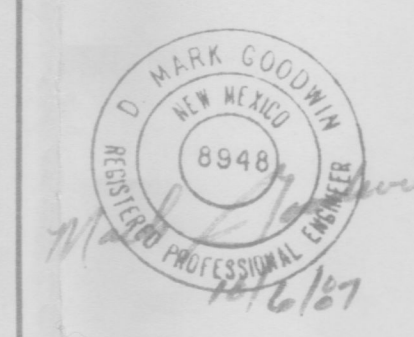
TBM

"+" CHISELLED IN SIDEWALK AT NE COR. OF PROPERTY. ELEV. = 5461.70 M.S.L.

GENERAL NOTES

1. STRIPE NEW PARKING SPACES WITH TRAFFIC YELLOW PAINT. PROVIDE HANDICAPPED SYMBOL FOR HANDICAPPED SPACE.
2. TOPOGRAPHIC SURVEY PERFORMED BY SOUTHWEST SURVEYING.
3. ALL ELEVATIONS ARE M.S.L. (MEAN SEA LEVEL).
4. ADD 5400 TO ALL SPOT ELEVATIONS.
5. CONTOUR INTERVAL = 1'.
6. SITE LIES WITHIN 100-YEAR FLOOD PLAIN. MAX. FLOW LINE ELEV. = 56.28. FINISHED FLOOR = 59.00 MIN. FINISHED FLOOR CERTIFICATION WILL BE REQUIRED PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
7. NO OFF-SITE FLOWS ENTER THIS SITE.
8. CONTRACTOR IS TO CONSTRUCT TEMPORARY EARTHEN BERM ALONG NORTH PROPERTY LINE FOR EROSION AND SEDIMENTATION CONTROL. BERM IS TO BE 2' HIGH.

RECEIVED
OCT 07 1987
HYDROLOGY SECTION



EUBANK CENTER			
GRADING AND DRAINAGE PLAN			
D. MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 21307 ALBUQUERQUE, NEW MEXICO 87154 (505) 265-0905			
Designed: MG	Drawn: DMR	Checked: TOB	Sheet C1 of 1
Scale:		Date: SEPT., 1987	