

DRAINAGE AND GRADING PLAN

N
SCALE 1" = 20'

DATA

AREA OF SITE	65,730 SQ. FT. (1.5090 AC.)
SLOPE	2.40% NE TO SW
SOILS GROUP	A
TIME OF CONCENTRATION	10 MINUTES
RAINFALL (PL 22.2 D-1 D.F.M.)	2.25 IN.
INTENSITY (PL 22.2 D-2 D.F.M.)	4.76 IN./HR.

EXISTING CONDITIONS

SITE IS COVERED WITH NATURAL VEGETATION	
IMPERVIOUS COVERAGE	0%
C-FACTOR (PL 22.2 C-1)	0.20
$Q_{100} = CIA = (0.20)(4.76)(1.5090) =$	1.44 cfs PEAK
$Q_{100} = 0.657 Q_{100}$	0.94 cfs

EXISTING RUNOFF DISCHARGES TO 30' PAVED ALLEY ON THE SOUTH OF SITE

OFF-SITE FLOW

Flows from east drains into a 12" ditch and to the south alley. Existing asphalt on the west side routes the flows to Menaul Blvd. and paved alley to the south.

PROPOSED SITE RUNOFF

C-FACTOR	"C"	AREA (SF)	C x A
BUILDINGS	1.00	19,200	19,200
ASPHALT	0.90	45,275	40,745
LANDSCAPE	0.34	1,255	427
WEIGHTED C-FACTOR	$\frac{60,372}{65,730} = 0.92$		
$Q_{100} = (0.92)(4.76)(1.5090) =$			6.60 cfs
$Q_{100} = 0.657 Q_{100}$			4.34 cfs

DISPOSAL

FREE DISCHARGE TO PRIVATE ALLEY
INCREASE IN PEAK RUNOFF RATE (Q_{100}) = 5.16 cfs

RUNOFF TRAVELS WEST ON PRIVATE ALLEY TO SOLANO DR., SOUTH ON SOLANO DR. TO PROSPECT AVE. AND TO THE DROP INLET AT THE SOUTH END OF SOLANO DR.
DROP INLET IS LOCATED 1000' FROM SITE ON SOLANO, CONSIST OF 3 DOUBLE C CATCH BASIN.

LEGAL DESCRIPTION

LOTS B-1 & B-2, MIRAMONTES SUBDIVISION NO. 2
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

EENCH MARK INFORMATION

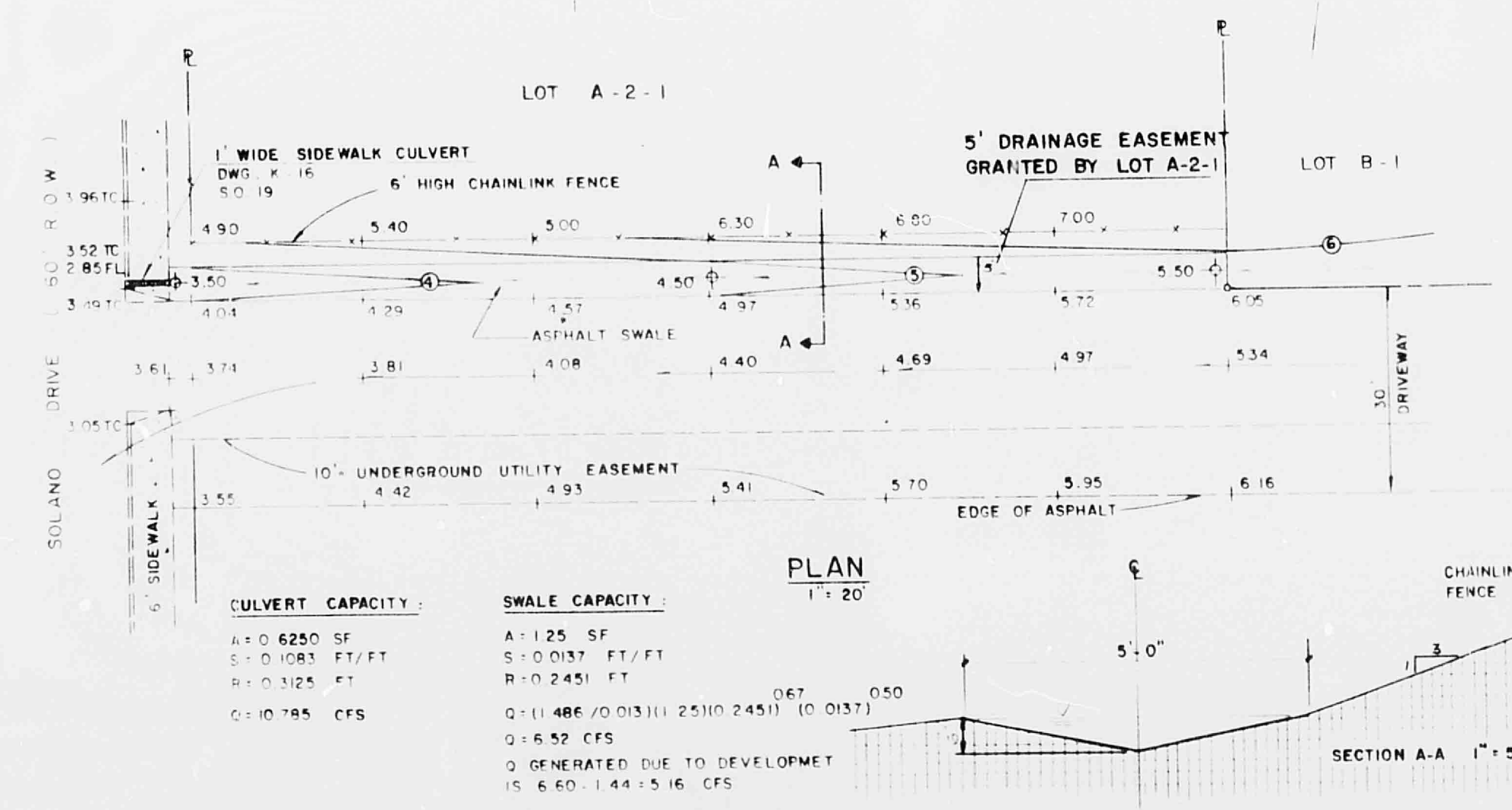
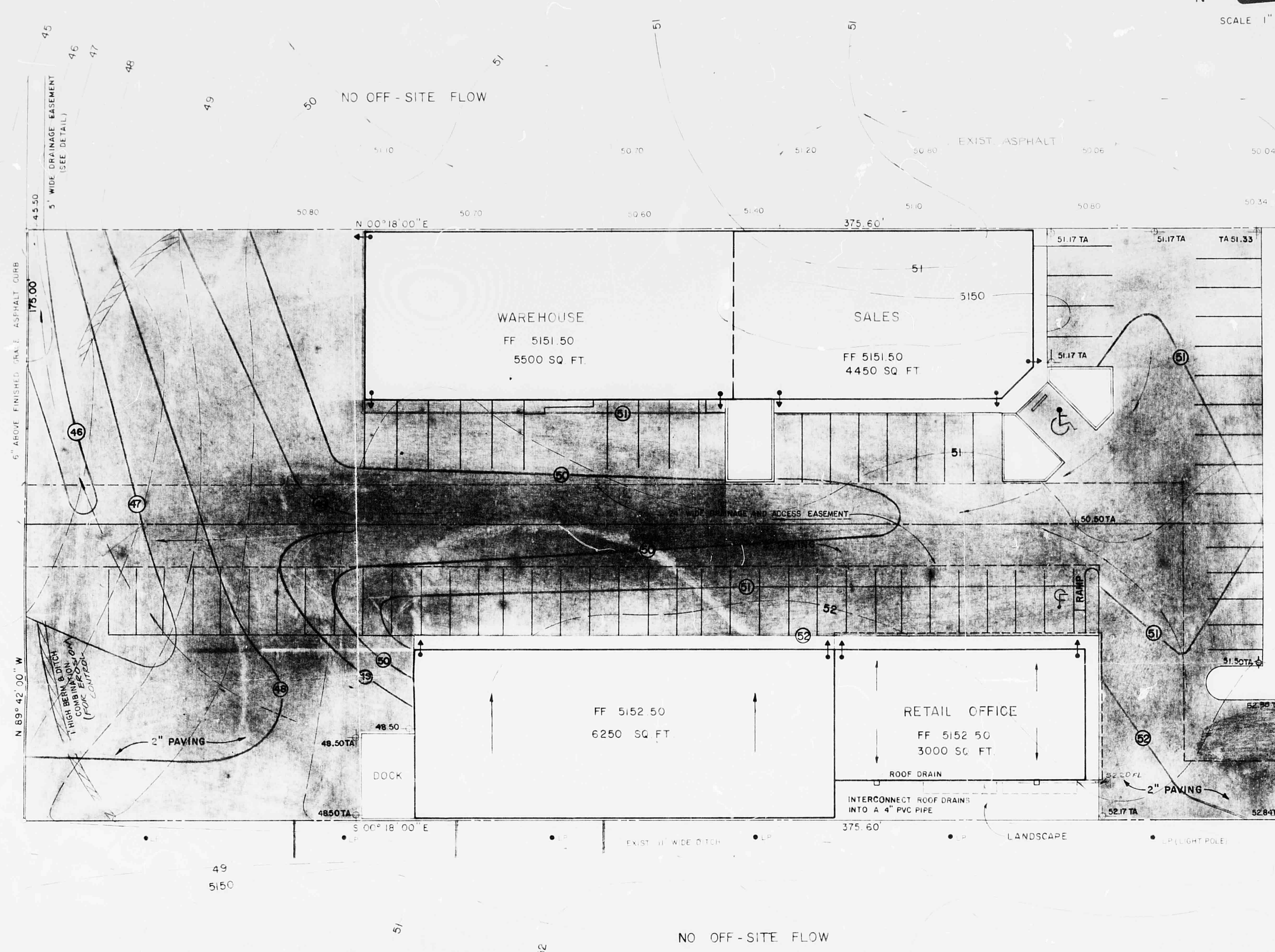
STA. NM ACS "6-H17-A", A BRASS CAP LOCATED ON THE NORTH MEDIAN OF CARLISLE BLVD. AT THE INTERSECTION OF CARLISLE AND PHOENIX AVE.
ELEVATION 5148.74'

EROSION CONTROL STATEMENT

- The Contractor shall ensure that no soil erodes from the site into public R.O.W. or into private property. This can be achieved by constructing berms at the property line and wetting the soil to keep it from blowing.
 - This is the contractor's responsibility to obtain a top soil discharge permit from the Environmental Health Department.
- PERFORMED FOR:
DUPA BILD PRODUCT INC. & WILGER ENTERPRISES, INC.
OCTOBER 17, 1985

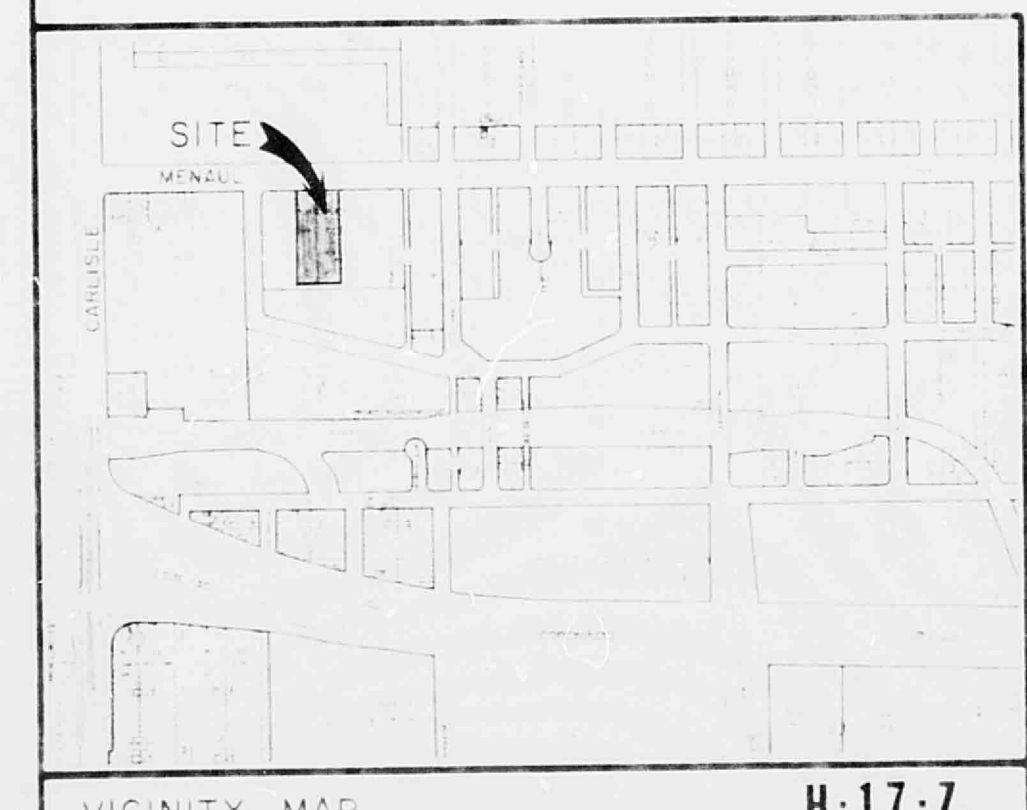
REVISED OCT. 24, 1985
REVISED DEC. 6, 1985

HALL ENGINEERING COMPANY INC.
337 EUBANK N.E. SUITE 103
ALBUQUERQUE, NEW MEXICO 87123
Phones (505) 292-1115 & 292-1116



- LEGEND
- 55 EXISTING CONTOUR
 - (51) PROPOSED CONTOUR
 - EXIST. SPOT ELEVATION
 - 50.75 PROPOSED SPOT ELEVATION
 - TC TOP OF CURB
 - TA TOP OF ASPHALT
 - FL FLOW LINE
 - Direction of Roof Drain
 - Flow Direction

EXISTING CONTOURS APPEARING HEREON ARE DERIVED FROM A TOPO SURVEY PERFORMED BY SOUTHWEST SURVEYING CO., INC. DATED OCTOBER 1985.



VICINITY MAP H-17-Z