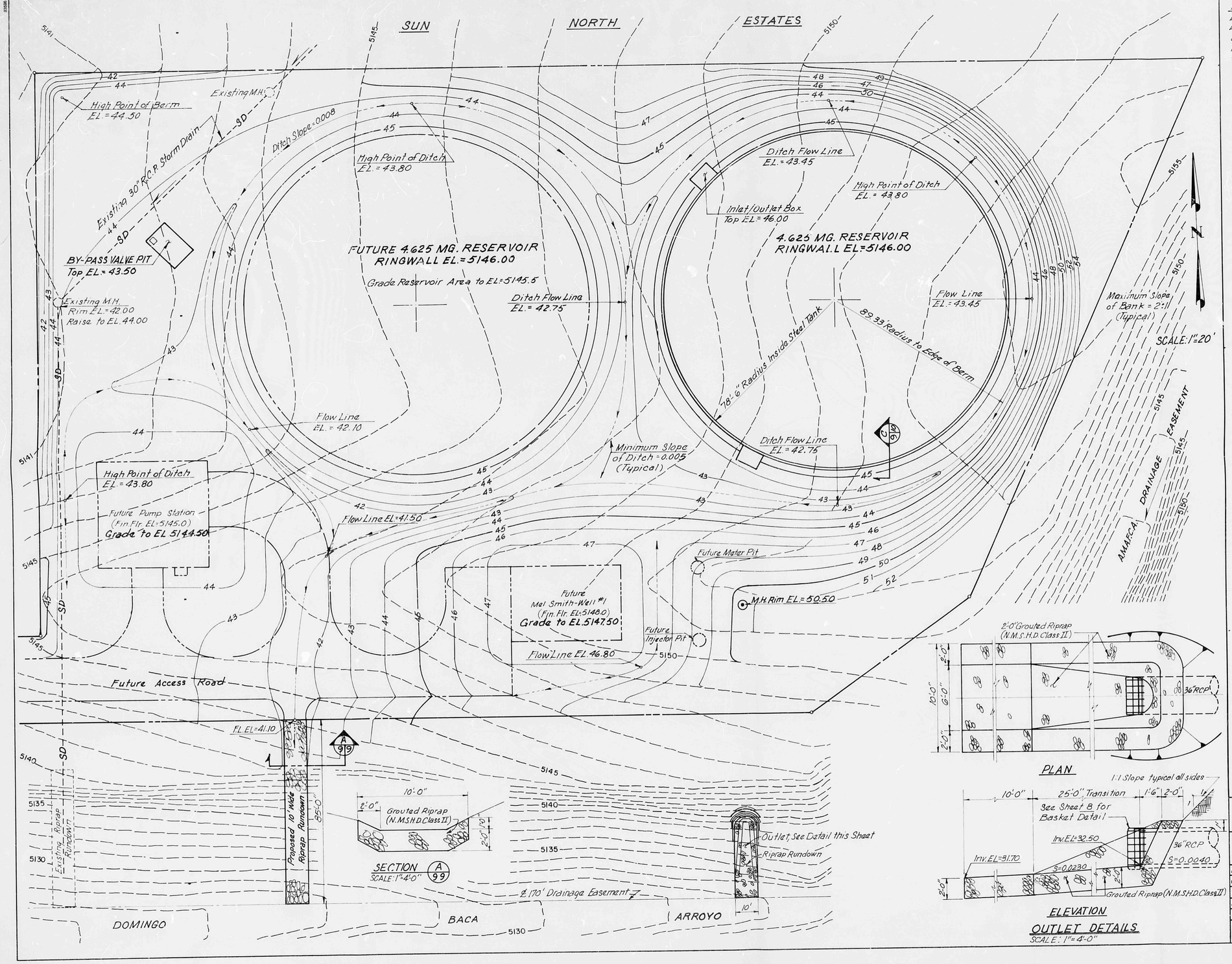
HYDROLOGY

C17/D11
ONE PLAN

C17/D11

1 PLAN



DRAINAGE DATA

Drainage from SUN NORTH ESTATES (Q_{100} = 45 c.f.s.) is carried across Reservoir Site in Existing 30" RCP. No Runoff will drain on Reservoir Site from adjacent property and all Runoff from Reservoir Site will drain to the Domingo Baca Arroyo without crossing other Property.

High Water Elevation in Arroyo at Point of Disharge = 5140 for 100-Year Storm.

Reservoir Site Area = 3.195 Ac.
Impervious Area at Ultimate Development = 1.460 Ac.
% Impervious = 45.7 %
SCS Soil Group B
C factor = 0.56
6-hour Rainfall for 100-Year Storm = 2.2"
Time of Concentration = 4 min.
C.F.S./Ac./inch Rainfall = 2.15
$Q = C \times I \times A$
$Q_{100} = 0.56 \times 2.2" \times 2.15 \times 3.195$
Q_{100} = 8.46 c.f.s.

AS BUILT INFORMATION

		DATE
CONTRACTOR		
WORK STAKED BY		
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	D.C.M.	July 1984
DRAWN BY	L.A.B.	July 1984
CHECKED BY	W.W.W.	July 1984

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
MEL SMITH RESERVOIR AND WATER TRANSMISSION LINE
RESERVOIR GRADING AND DRAINAGE PLAN AND OUTLET DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.	MAP NO.	SHEET	OF
2123	C-17	9	17

C17/D11