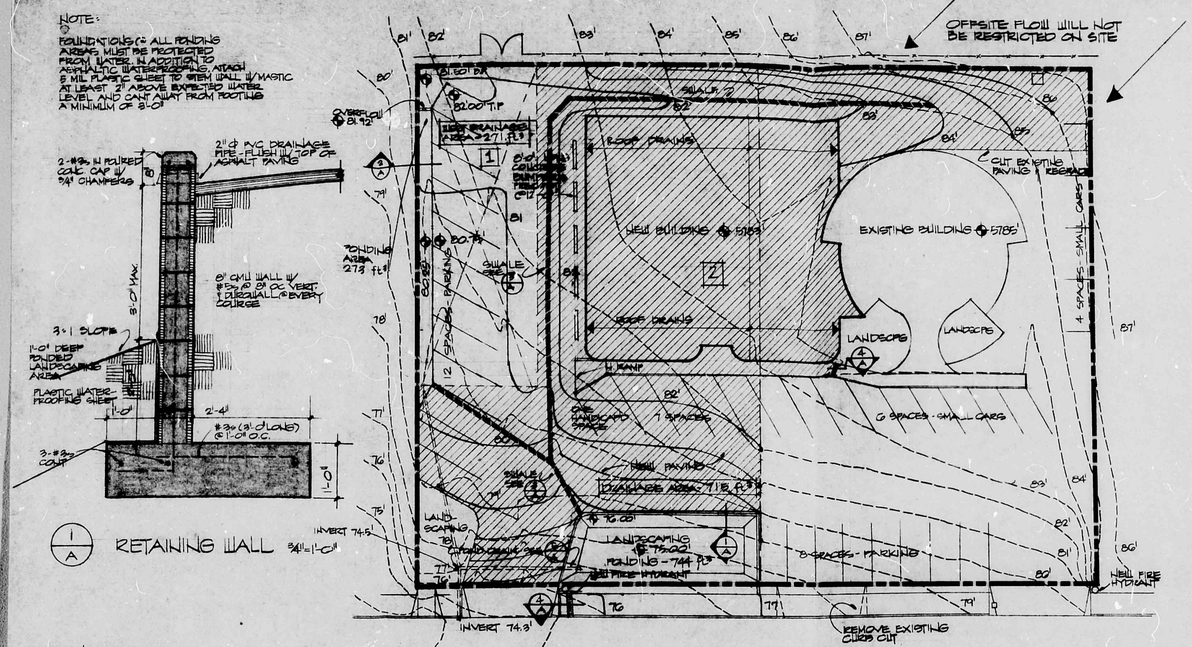
HYDROLOGY

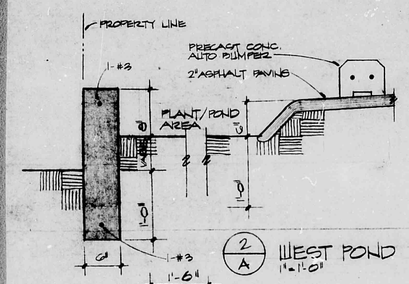
F22/D27

ONE PLAN

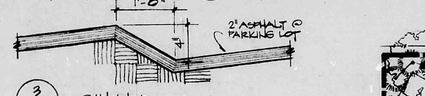
NOTE:
FOUNDATIONS & ALL PONDING AREAS MUST BE PROTECTED FROM WATER. IN ADDITION TO ASPHALTIC WATERPROOFING APPLY 6 MIL PLASTIC SHEET TO STEM WALL W/ MASTIC AT LEAST 2' ABOVE EXPECTED WATER LEVEL AND CAST AWAY FROM FOOTING A MINIMUM OF 3'-0"



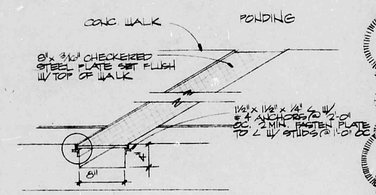
1/A RETAINING WALL 3/4"=1'-0"



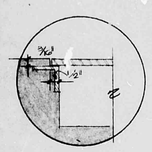
2/A WEST POND 1"=1'-0"

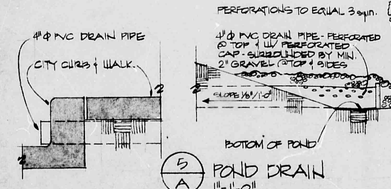


3/A SWALE N.T.S.



4/A OVERFLOW





5/A POND DRAIN 1"=1'-0"

N

REVISED SITE PLAN 10-10-79

VAUGHAN CO. OFFICE
MONTGOMERY BLVD.

EXPLANATION OF DRAINAGE:
THE NORTHEDGE OF THE PROPERTY DRAINS ALONG THE SWALE PICKING UP THE RUNOFF FROM THE ROOF OF THE BLDG. IT THEN IS DEPOSITED & HELD IN THE SOUTH POND ALONG WITH THE RUNOFF FROM THE SOUTHERN PARKING LOT. ANY EXCESS WATER IN THIS POND WILL BE RELEASED INTO CITY GUTTER AT A CONTROLLED RATE OF FLOW. THE PARKING AREA TO THE WEST OF THE SWALE WILL DRAIN INTO THE WEST POND. WHEN THIS POND REACHES CAPACITY, ANY OVERFLOW WILL BE RELEASED TO THE SOUTH END & CONDUCTED ALONG A SECOND SWALE TO THE SOUTH POND WHERE IT CAN BE SLOWLY RELEASED.

STATE OF NEW MEXICO
CHANNELL GRAHAM
No. 340
ALBUQUERQUE, N.M.
REGISTERED ARCHITECT

DRAINAGE: LOT G-1

EXISTING
IMPERVIOUS - 59,125 # = 1006 ft³ runoff
PERVIOUS 11,575 196 ft³ runoff

DEVELOPED -
IMPERVIOUS (BLDG) 5200 #
IMPERVIOUS (PAVING) 10,575 # } 15,775 #
PERVIOUS 1725 #

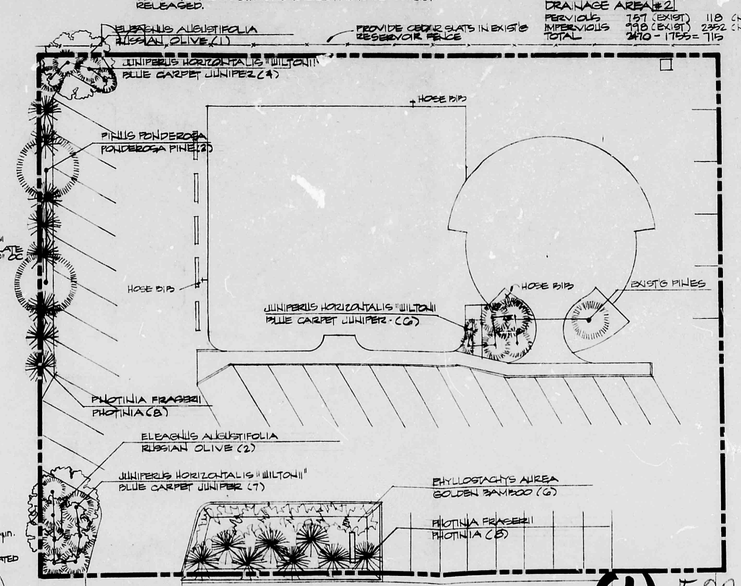
EXIST'S RUNOFF = 1992

DEVELOPED RUNOFF
15,775 (2.4/12)(0.9) = 2840
1725 (2.4/12)(0.4) = 138 } 2978

PONDING REQ'D: 2978 - 1992 = 986

DRAINAGE AREA #1
PERVIOUS 101 (EXIST) 58 (NEW)
IMPERVIOUS 68 (EXIST) 450 (NEW)
TOTAL 508 - 237 = 271 ft³

DRAINAGE AREA #2
PERVIOUS 197 (EXIST) 118 (NEW)
IMPERVIOUS 918 (EXIST) 2352 (NEW)
TOTAL 2470 - 1755 = 715



REVISED LANDSCAPING 1"=20'-0"

NOTE: ALL PLANTING AREAS TO HAVE 2" BARK MULCH

TREES SHALL BE 10-12 FT. TALL @ TIME OF PLANTING OR 1.5" CALIPER TRUNK MEASURED 2'-0" ABOVE GRADE

SHRUBS TO BE 5 GALLON MIN. SIZE

(1) F22/D27