HYDROLOGY

F14/D11

ONE PLAN

1 PLAN FOR

ZIP LUBE AT

5701 FOURTH ST. N.W.

F14- D 11

DRAINAGE RUNOFF VOLUME CALCULATIONS					
DRAINAGE AREA	TRIBUTARY DRAINAGE AREA(SF)	X C VALUE	X RAINFALL 2.2"=.18'	=	RUNOFF VOLUME (CU.FT.)
A	9178	1.0	.18		1652
A-1	282	.35	"		17
B	2842	1.0	"		511
C	390	"	"		70
D	292	"	"		53
E	1428	"	"		257
F	310	"	"		559
G	762	"	"		137
H	108	"	"		19

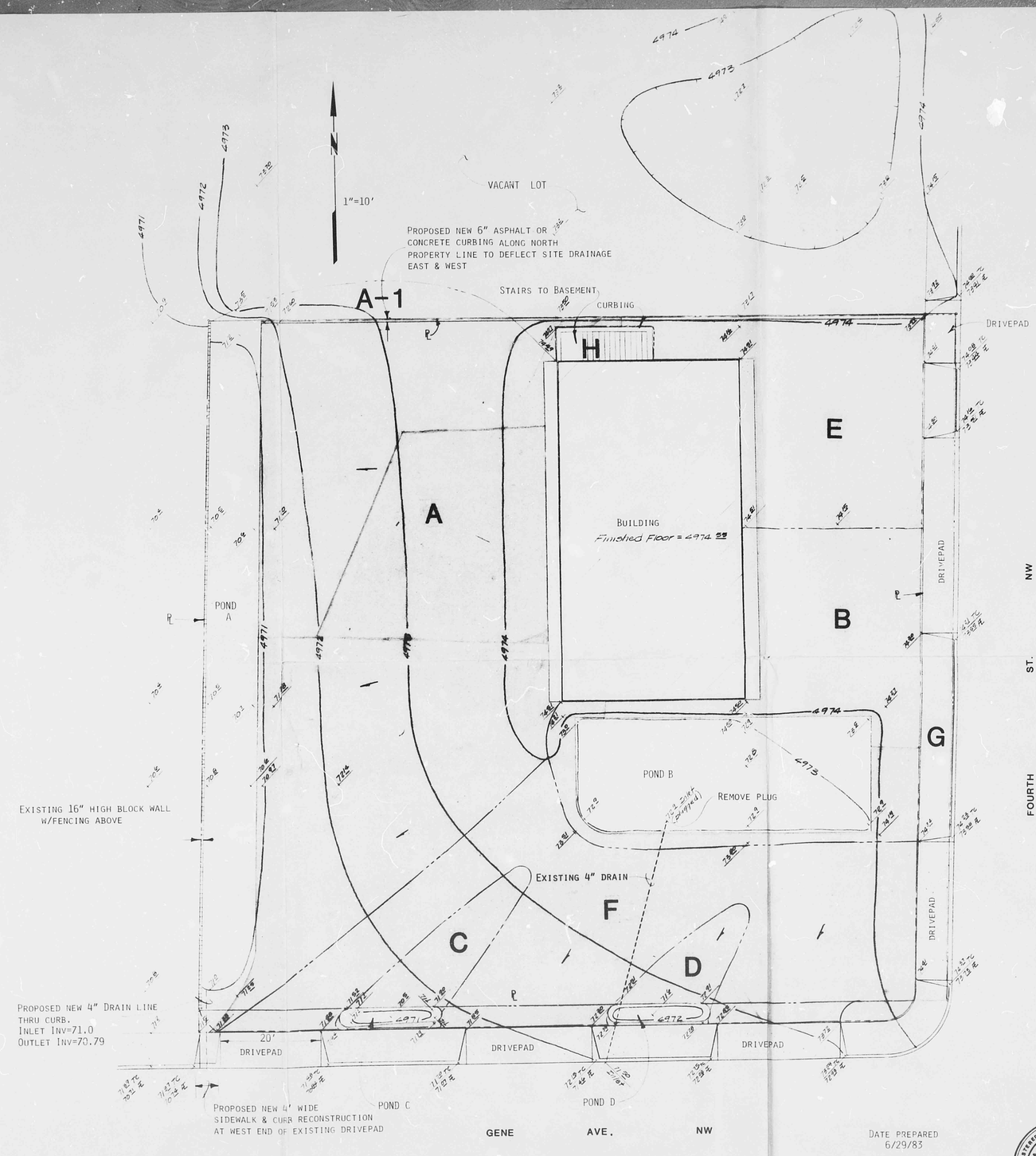
POND CAPACITY EVALUATION			
POND NO.	INFLOW VOLUME (CU.FT.)	POND STORAGE VOLUME (CU.FT.)	OVERFLOW (CU.FT.)
A	1652	880	772
B	511	630	-0-
C	70	26	44
D	53	28	25

PROPOSED DRAINAGE IMPROVEMENTS

1. CONSTRUCT 6" HIGH CURBING ALONG NORTH EDGE OF PAVEMENT TO DEFLECT RUNOFF TO POND A AND TO FOURTH ST.
2. RECONSTRUCT WESTERLY END OF EXISTING DRIVEPAD NEAR SOUTHWEST PROPERTY CORNER TO INCORPORATE NEW 4" DRAIN LINE FROM POND A TO GENE AVE. GENE AVE. IS SCHEDULED FOR NEW STORM SEWER WHICH WILL INCREASE CURRENT STORM WATER CAPACITY.
3. REMOVE PLUG FROM DRAIN LINE IN POND B.

LEGEND

- CONCRETE SURFACES
- ASPHALT SURFACES
- BUILDINGS
- CONCRETE BLOCK WALL
- 4972 CONTOURS (EXISTING)
- PROPERTY LINE
- DRAINAGE AREA BOUNDARY LINES



DATE PREPARED 6/29/83

ZIP LUBE at 5701 FOURTH ST. NW

AS-BUILT DRAINAGE & PROPOSED IMPROVEMENTS PLAN

F14/D11

DATE PREPARED 6/29/83

Date June 83
Drawn By TDI
Checked TDI

ZIP LUBE at 5701 FOURTH ST. NW

AS-BUILT DRAINAGE & PROPOSED IMPROVEMENTS PLAN

ISAACSON & ARFMAN, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

Sheet 1 of 1