HYDROLOGY

G13/D4
ONE PLAN

G 13-D4

1 PLAN

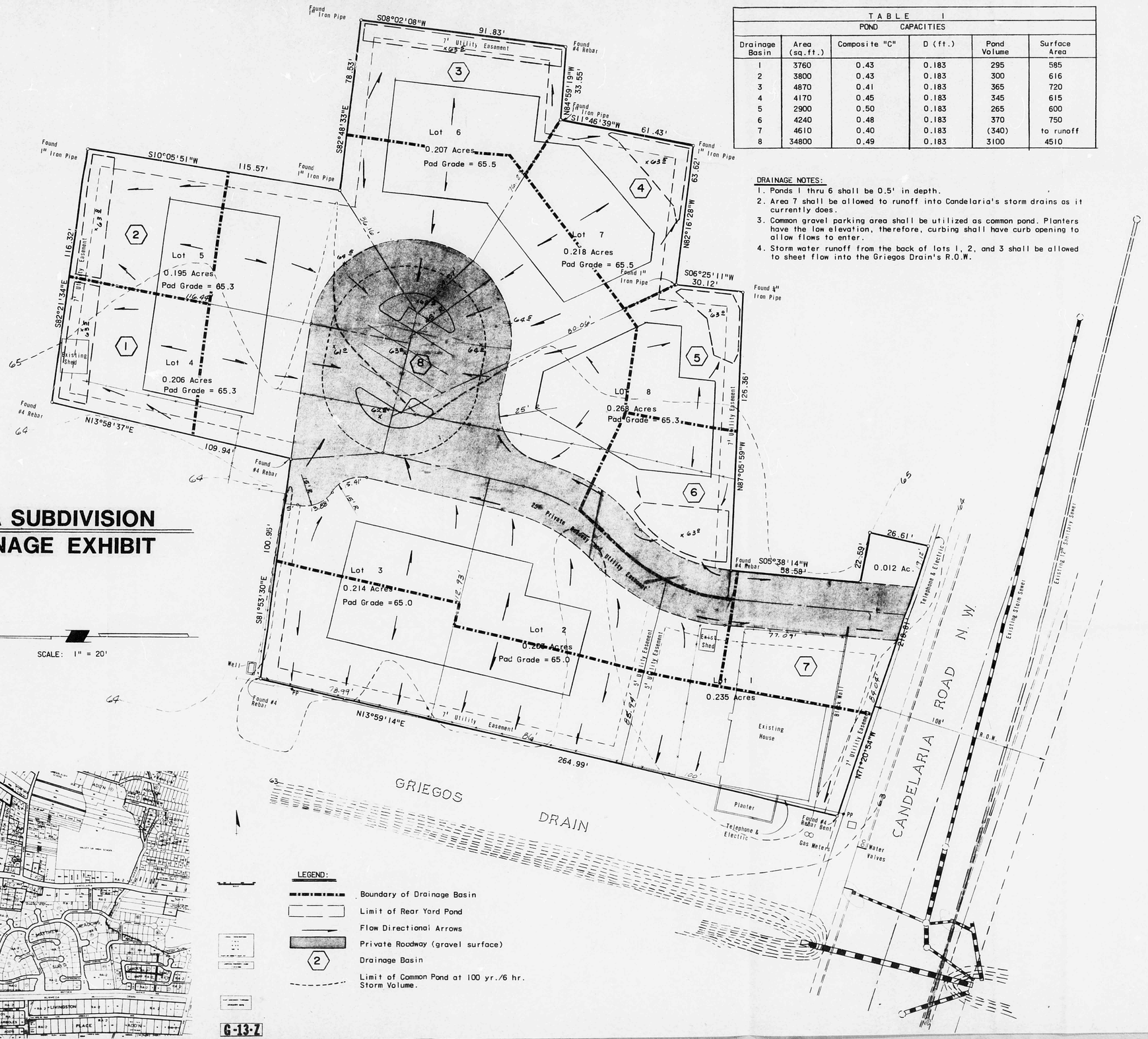
BACA SUBDIVISION
DRAINAGE EXHIBIT

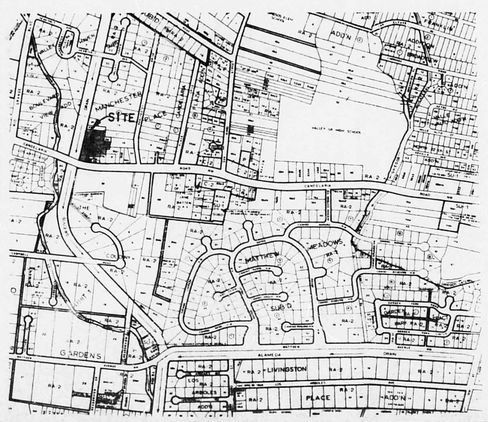
SCALE: 1" = 20'

TABLE I					
POND CAPACITIES					
Drainage Basin	Area (sq.ft.)	Composite "C"	D (ft.)	Pond Volume	Surface Area
1	3760	0.43	0.183	295	585
2	3800	0.43	0.183	300	616
3	4870	0.41	0.183	365	720
4	4170	0.45	0.183	345	615
5	2900	0.50	0.183	265	600
6	4240	0.48	0.183	370	750
7	4610	0.40	0.183	(340)	to runoff
8	34800	0.49	0.183	3100	4510

DRAINAGE NOTES:

1. Ponds 1 thru 6 shall be 0.5' in depth.
2. Area 7 shall be allowed to runoff into Candelaria's storm drains as it currently does.
3. Common gravel parking area shall be utilized as common pond. Planters have the low elevation, therefore, curbing shall have curb opening to allow flows to enter.
4. Storm water runoff from the back of lots 1, 2, and 3 shall be allowed to sheet flow into the Griegos Drain's R.O.W.





LEGEND:

- Boundary of Drainage Basin
- Limit of Rear Yard Pond
- Flow Directional Arrows
- Private Roadway (gravel surface)
- (2) Drainage Basin
- Limit of Common Pond at 100 yr./6 hr. Storm Volume.

G-13-Z

CCIC
Chambers Camden Isaacson Chapin Inc.

JOB NO. 180-9
DATE June 1980
SHEET 1 OF 1

G13/D4