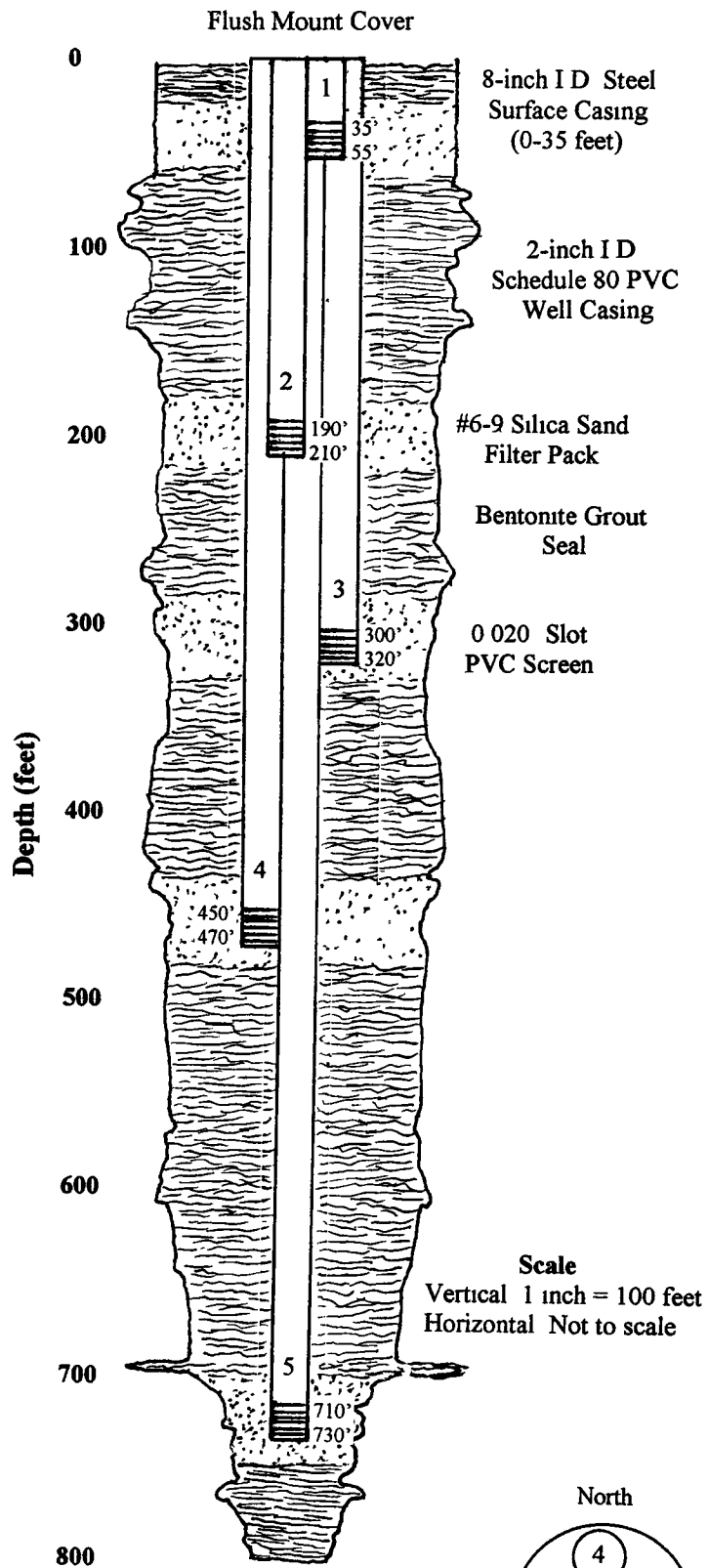
Municipal Park Monitoring Well (TVHP #4)

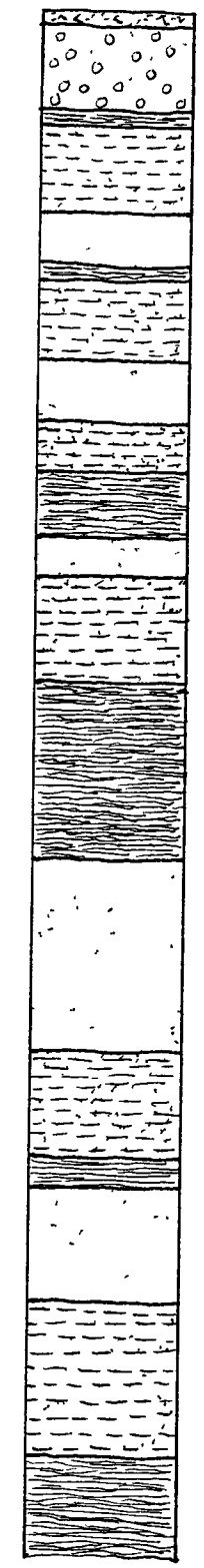
Well Construction Details



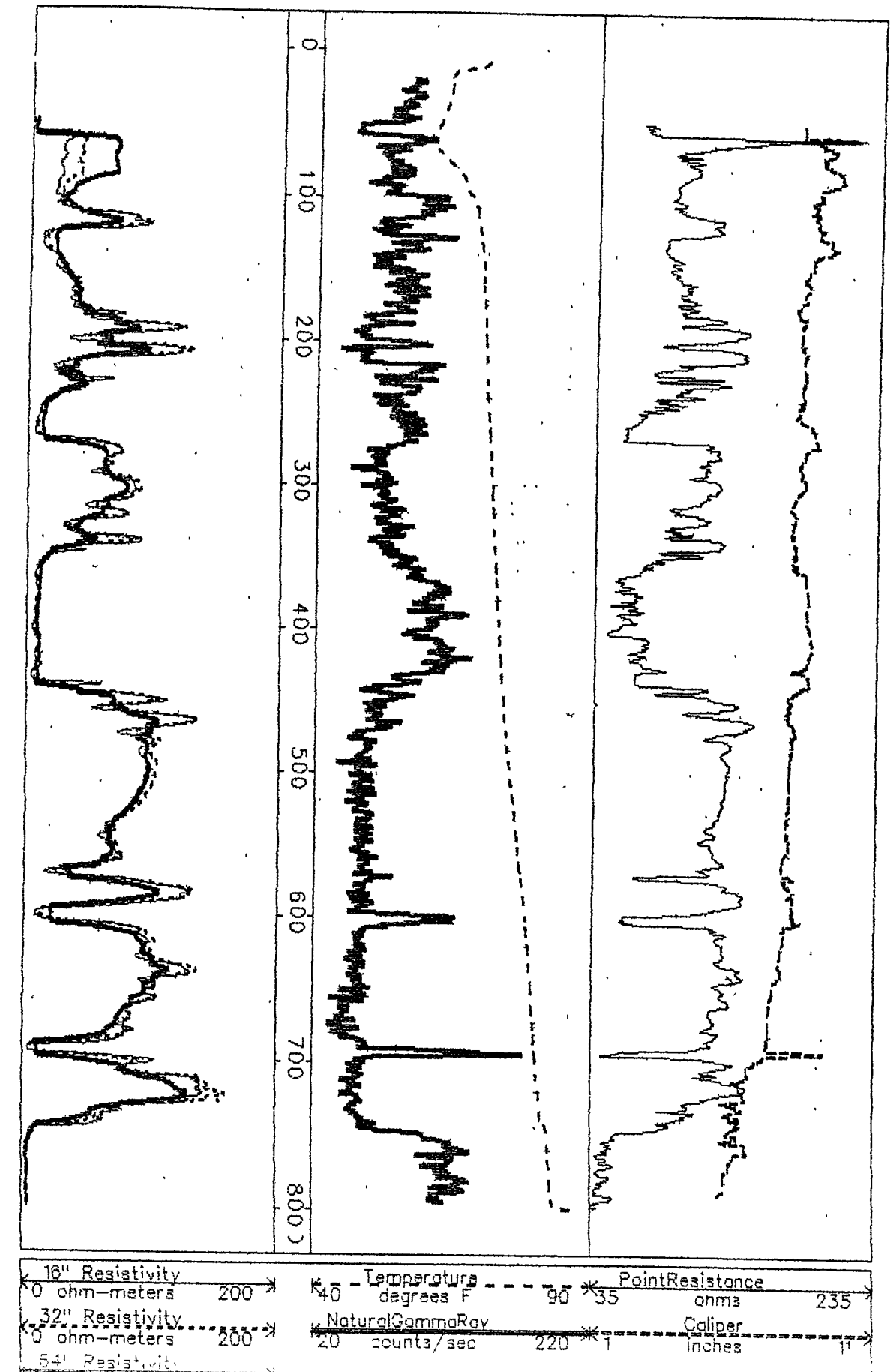
-SMU, 8/02

Lithologic Log

0 – 8	Topsoil/fill/sand and gravel; grayish brown (2 5Y 5/2)
8 – 55	Sand with gravel, light brownish gray (2 5Y 6/2); Possibly cemented at 37 - 38 feet, then >H_2O
55 – 60	V fine sand (yellowish-brown, 10YR 5/4) interbedded with clay (dark gray, 5Y 4/4) "Brown clay" in driller's report
60 – 105	Fine to coarse sand with clay, gray (5Y 6/1), Fast drilling (60 feet/hour)
105 – 130	Fine to coarse sand, light olive-gray (5Y 6/2)
130 – 140	Clay, v dark gray (10YR 3/1); some wood fragments,
140 – 180	Sandy clay, fine to medium, greenish-gray (5GY 5/1)
180 – 215	Sand, interbedded fine to coarse, olive-gray (5Y 5/2)
215 – 240	Sandy clay, v dark gray (5Y 3/1 – 4/1)
240 – 270	Clay, v dark gray (5Y 4/1)
270 – 295	Sand, fine to coarse; olive-gray (5Y 5/2)
295 – 345	Sand, fine to coarse, interbedded with clay, dark gray (5Y 5/1) Fast drilling (averaging 90 feet/hour from 330 – 530 feet)
345 – 440	Clay; dark gray (10YR 4/1)
440 – 540	Sand, fine to coarse, dark gray (5Y 4/1)
540 – 595	Sand, fine to coarse, interbedded with some clay, dark gray (5Y 4/1), Slower drilling (30 feet/hour)
595 – 610	Clay/sandy clay, dark gray (5Y 4/1)
610 – 670	Sand, fine to coarse, dark gray (5Y 4/1) Slow drilling (35 feet/hour), Caliper log suggests evidence of bit wear
670 – 750	Sand, sandy clay, possible sandstone/mudstone, dark gray (5Y 4/1); very slow drilling (less than 20 feet/hour)
750 – 800	Clay; dark gray (5Y 4/1)



Drilled by Stevens and Son Well Drilling, Inc
- Started drilling 6/18/02, well completed on 7/29/02
- Cable tool rig 0-59 feet, mud rotary 59-800 feet

Geophysical logging by L Pearson, Hydro Logic, Inc
- Well logged on 6/27/02

Geophysical Logs