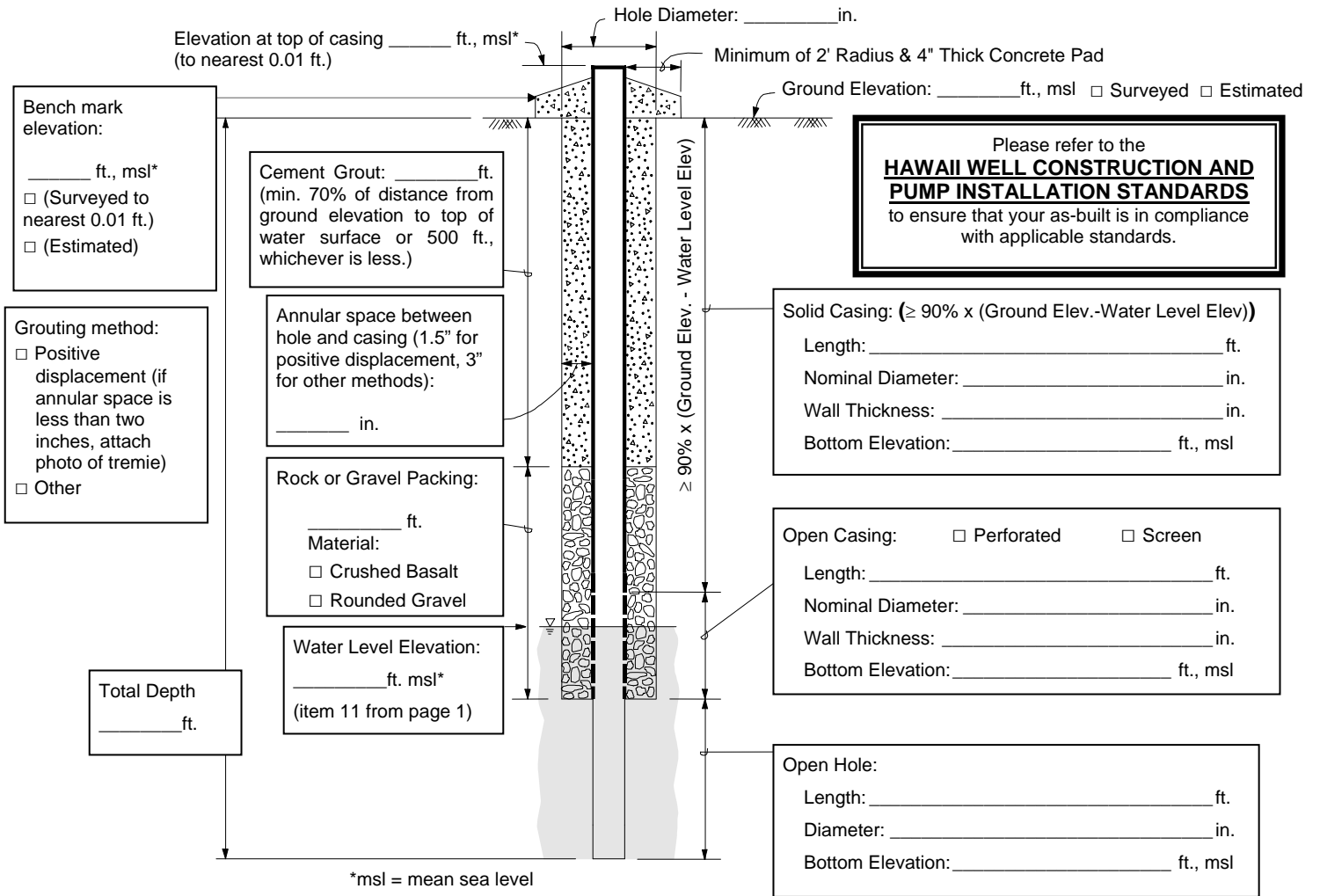


12. AS-BUILT WELL SECTION (Please attach as-built if different from diagram provided below)



Please refer to the
**HAWAII WELL CONSTRUCTION AND
 PUMP INSTALLATION STANDARDS**
 to ensure that your as-built is in compliance
 with applicable standards.

Solid Casing: ($\geq 90\% \times (\text{Ground Elev.} - \text{Water Level Elev.})$)
 Length: _____ ft.
 Nominal Diameter: _____ in.
 Wall Thickness: _____ in.
 Bottom Elevation: _____ ft., msl

Open Casing: Perforated Screen
 Length: _____ ft.
 Nominal Diameter: _____ in.
 Wall Thickness: _____ in.
 Bottom Elevation: _____ ft., msl

Open Hole:
 Length: _____ ft.
 Diameter: _____ in.
 Bottom Elevation: _____ ft., msl

Solid Casing Material:

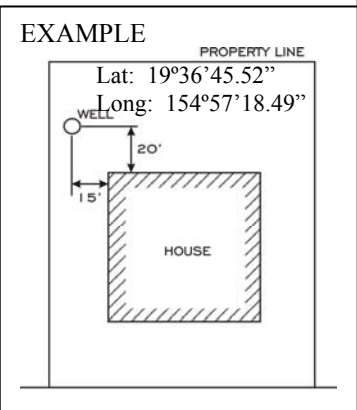
- Carbon Steel:** compliant with (check one or more): ANSI/AWWA C200 API Spec. 5L ASTM A53 ASTM A139
 And compliant with (check one or more): ASTM A242 or A606 Type E Type S Grade B Other
- Stainless Steel:** (check one): ASTM A409 (production wells) ASTM A312 (monitor wells)
- ABS Plastic** conforming to ASTM F480 and ASTM D1527: (check one) Schedule 40 Schedule 80
- PVC Plastic** conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): Schedule 40 Schedule 80 Schedule 120
- Thermoset Plastic:** (check one) Filament Wound Resin Pipe conforming to ASTM D2996
 Centrifugally Cast Resin Pipe conforming to ASTM D2997
 Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
 Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
 PTFE Fluorocarbon Tubing conforming to ASTM D3296
 FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:

- Carbon Steel:** compliant with (check one or more): ANSI/AWWA C200 API Spec. 5L ASTM A53 ASTM A139
 And compliant with (check one or more): ASTM A242 or A606 Type E Type S Grade B Other
- Stainless Steel:** (check one): ASTM A409 (production wells) ASTM A312 (monitor wells)
- ABS Plastic** conforming to ASTM F480 and ASTM D1527: (check one) Schedule 40 Schedule 80
- PVC Plastic** conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): Schedule 40 Schedule 80 Schedule 120
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 Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
 PTFE Fluorocarbon Tubing conforming to ASTM D3296
 FEP Fluorocarbon Tubing conforming to ASTM D3296

Attach photos of completed well and concrete pad

NAD83 (seconds to 2 decimal places):
Latitude: ___ degrees ___ min ___ sec
Longitude: ___ degrees ___ min ___ sec



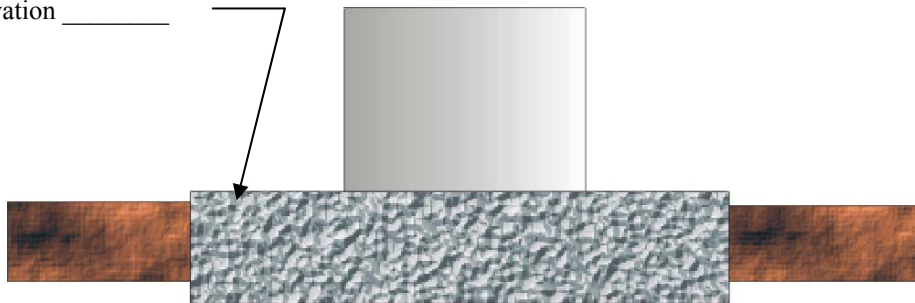
SKETCH OF WELL LOCATION

(Referenced to permanent landmark, i.e. building, road, fence, etc.)

Provide Latitude and Longitude of well referenced to NAD83 to decimal seconds

Well Elevation

Benchmark Elevation _____



Attach photos of completed well and concrete pad showing benchmark location.

I certify that the elevation shown above:

- 1) Was done in accordance with acceptable surveying practices
- 2) Is accurate to the nearest 0.01 ft.
- 3) Is referenced to mean sea level

Surveyor

License No.

Date