



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97301-4172
(503) 378-3739
FAX (503) 378-8130

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review of this order must be filed within the time specified by ORS 183.484 (2).

August 8, 2000

Steve Schneider
Schneider Equipment Inc.
21881 River Road NE
St. Paul, OR 97137

Dear Steve:

Attached is a copy of the following approved special standard:

1. Powell Valley Road Water District (start card number 127587)

If you have any questions concerning this letter, please contact me at the address or phone number listed above, or by e-mail at michael.l.mccord@wrdd.state.or.us.

Sincerely,

Michael L. McCord
Well Construction Specialist

c: Richard Edwards, NW Region Well Inspector





Date: 8/5/00

**To: OR Water Resources Dept.
Mike McCord
Phone: 800-624-3199
Fax: 503-378-8130**

**From: Schneider Equipment, Inc. & Drilling Co.
Steve Schneider
Phone: 503-633-2666
Fax: 503-633-2668**

Pages: 6

Subject: Special Standard request

Mike:

Attached is a special standard request for the PVRWD well that we talked about yesterday. Please call if you have any questions.

**Regards,
Steve**

FINAL ORDER Oregon Water Resources Department

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT INCLUDED IN OREGON ADMINISTRATIVE RULES 690-200 THROUGH 690-240

Before request can be considered, the following must be answered. Requests shall be submitted to the Well Construction Specialist, Water Resources Department. Requests may also be considered by the appropriate Regional Manager.

Date of request: 8/5/00 Oral approval date (if applicable): 8/4/00

Bonded Well Constructor (name, license #, and mailing address): Steve Schneider

#649 21881 River Rd NE, St. Paul, OR 97137

(1) Location of Well: SW 1/4 SW 1/4 of Section 12,

Township 1 N 1 S, Range 2 E W, Mult. County.

Address at well site: 14416 SE Center St.

Portland, OR

(2) Start Card Number(s): W127587

(3) Name and Address of Land Owner: Powell Valley Road Water District

12350 SE Powell Blvd., Portland, OR 97236

(4) Distance to the nearest well, septic tank or drainfield (if water supply well): NA, for septic
see below for wells

(5) The unusual conditions which necessitate this request: Owner wishes to

place additional production wells in close proximity to

this well and has concerns that grout migration will plug
the targeted shallow aquifer of those wells.

(6) The proposed construction methods that the well constructor believes will be adequate for this well (attach additional pages if needed)

Use sand grout as "impermeable sealing material"

between lower cement grout seal and upper bentonite

or cement grout seal. (Cannot ^{satisfactorily} place concrete nor

solid bentonite and cement grout or bentonite grout
will migrate excessively, and damage future target aquifer

- (7) Diagram showing the pertinent features of the proposed well design and construction (attach additional pages if needed):

*see attached sketch
and log to date*

PLEASE NOTE:

- (1) If approved, all other phases of well construction must comply with the appropriate standards described in OAR 690-200 through 690-240.
- (2) If it should be determined at some future date that the well, due to its construction, is allowing groundwater contamination, waste or loss of artesian pressure, the undersigned shall return to the site and rectify the problem.
- (3) If oral approval was granted, a written request must be submitted to the Department either within three (3) working days of the date of oral approval or prior to the completion of the associated well work. Failure to submit a written request as described above may void prior approval.

I have read and understand the above information. I further attest that the information provided is accurate to the best of my knowledge.

Bonded Constructor Signature: _____

For Water Resources Department Use Only

Date: 8-8-00

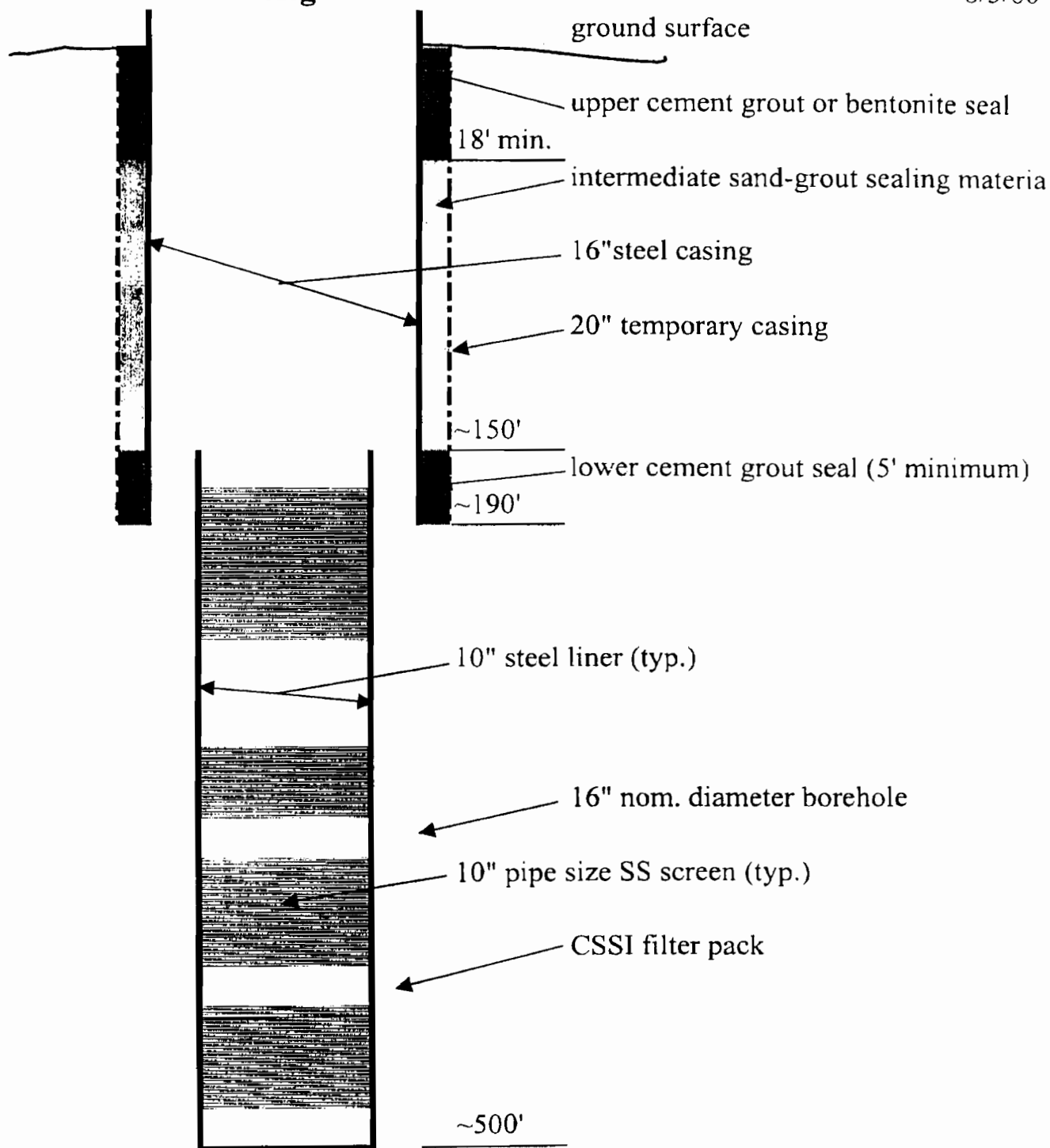
Approved by: _____

Denied by: _____

Remarks: _____

Proposed PVRWD Production Well Design

8/5/00



POWELL VALLEY ROAD WATER DISTRICT - Well #7**by Schneider Drilling Co.****Start Card #127587****Label #****FM TO DESCRIPTION**

0	2	Topsoil
2	9	Clay, brown, sandy/silty w/ cobbles & gravel
9	18	Sand, brown, coarse & gravel w/ cobbles, slightly cemented & some clay, silty
18	33	Sand, brown, coarse & gravels w/ cobbles, some cementation
33	46	Sand, brown, coarse & gravel, 3"-
46	62	Gravel, 5"- & sand, brown, coarse
62	82	Gravel, 3"- & cobbles & sand, brown, coarse
82	98	Sand, brown, medium & gravel, 3"- w/ occ cobble
98	127	Sand, brown, medium & gravel, 3"-
127	141	Sand, brown, medium & gravel, 2"-
141	147	Sand, brown, medium & gravel, 4"- & traces of clay, sandy
147	183	Gravel, multi-colored, lightly cemented & sand, brown medium w/some clay, brown, dry, sandy
183	190	Sand & gravel & clay, multi-colored, cemented
190	204	Gravel 3" minus & sand, coarse some clay
204	205	Clay, brown, sandy
205	229	Gravel, 3 1/2" minus & sand, coarse
229	243	Cobbles, some vesicular & gravel w/sand, brown, medium
243	251	Gravel, 3"- & sand, brown w/ some cementation
251	254	Cobbles & gravel, some sand, medium-coarse
254	258	Gravel w/some sand, brown, medium
258	261	Sand, med to coarse w/some gravel
261	265	Clay, tan, sandy, hard
265	268	Gravel & sand, med to coarse
268	279	Gravel 3"- w/some sand, tan, medium to coarse

279 292 Gravel, 3"- w/some sand, medium & cobbles
292 296 Gravel, 3"- & cobbles
296 309 Gravel & cobbles w/some sand, medium-coarse, cemented
309 311 Cobbles & gravel w/some sand, medium-coarse & boulders
311 312 Cobbles, sand, coarse, slight cementation
312 324 Gravel, multi-colored w/some sand, coarse, some cementation & cobbles
324 330 Gravel, multi-colored & sand, coarse & cobbles
330 333 Gravel, & cobbles, some vesicular & cementation, & sand, coarse
333 345 Gravel & cobbles & sand, medium-coarse



Date: 7/17/00

**To: OR Water Resources Dept.
Mike McCord
Phone: 800-624-3199
Fax: 503-378-8130**

**From: Schneider Equipment, Inc. & Drilling Co.
Steve Schneider
Phone: 503-633-2666
Fax: 503-633-2668**

Pages: 4

Subject: PVRWD well sealing

Mike:

We are currently working on a production for PVRWD. Attached is our log to date and a sketch of proposed completion. The ~150-190 interval appears to be a leaky retarding formation. We want to seal that interval to preserve its natural retarding but we do not want to plug the shallow aquifer above ~150' because the District is also going to place production wells in that aquifer very near this well. Does the proposed sketch meet the standards? Please call to discuss.

Thanks,
Steve

POWELL VALLEY ROAD WATER DISTRICT - Well #7**by Schneider Drilling Co.****Start Card #127587****Label #**

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Proposed PVRWD Production Well Design

7/17/00

