



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301
Phone 503-986-0900
FAX 503-986-0904
www.wrd.state.or.us

August 10, 2011

RONALD ASPAAS #1445
HANSEN DRILLING CO INC
6711 NE 58TH AVE
VANCOUVER WA 98661

FINAL ORDER

Dear Ron:

The Special Standards Request Form you submitted for owner: Multnomah County c/o Howard S. Wright, Start Card number 1012281, is hereby approved for the following: You may install this well below land surface in a vault. The vault must be constructed per the design diagram included with this order. All conduit and pipes entering the vault must be sealed to prevent surface water from leaking into it. The vault also must have a drain to daylight with a check valve to prevent backflow. ***In addition, the lid of the vault shall be permanently marked with the words "Water Well" in order to protect the groundwater resource and to assist Department personnel in locating the well in the future.*** All other construction standards must be adhered to.

The Well Construction Standards serve to protect ground water resources. By approving and issuing this special construction standard the Oregon Water Resources Department is not representing that a well constructed in accordance with this condition will maintain structural integrity or that it meets engineering standards. The well constructor/or landowner is responsible for ensuring that a well is constructed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240.

If you have any questions concerning this letter, I may be contacted at (503) 986-0851, or by e-mail at Kristopher.R.Byrd@ wrd.state.or.us.

Sincerely,

Kristopher Byrd, Coordinator
Well Construction Program
Well Construction and Compliance Section

cc: Bill Ferber, W Region Manager
File

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.



Oregon Water Resources Department

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

Before the request can be considered, this form must be completed. Requests shall be submitted to the Well Construction Specialist, Water Resources Department, 158 12th Street NE, Salem OR 97301. Requests may also be considered by the appropriate Regional Manager.

Date of request: 8-9-11 Oral approval date (if applicable): _____

Bonded Well Constructor (name, license #, and mailing address): RONALD ASPAAS #1445

6711 NE 58th AVE VANCOUVER WA 98661

(1) Location of Well: NW 1/4 NW 1/4 of Section 5,

Township 1 N(S) Range 3 E(W), MULTNOMAH County

Address at well site: 18480 S.E. START ST. GRESHAM, OR. 97233

(2) Start Card Number(s)(for work to be done): 1012281

(3) Name and Address of Land Owner: MULTNOMAH COUNTY c/o HOWARD S WRIGHT

425 NW 10th AVE SUITE 200 PORTLAND OR 97209
OLEG SAIDOV PROJECT ENGINEER 503-550-6067

(4) Distance to the nearest septic tank, drainfield, closed sewage line (if water supply well)

INJECTION WELL 55' FROM SEWER LINE WELL HAS 100 FT. DEEP SURFACE SEAL

(5) The unusual site conditions which necessitate this request: _____

FRONT OF COURT HOUSE BUILDING LOTS OF FOOT TRAFFIC

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

PINCE WELL IN WATER TIGHT VAULT BELOW GRADE

SAME AS APPROVED FOR S.C. # 1012280 3-1-11

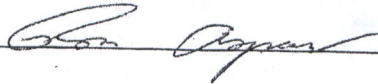
- (7) Diagram showing the pertinent features of the proposed well design and construction:
(attach additional pages if needed)

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 ground water 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 oral 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: _____



revised 06/2003

Kris Byrd

From: Hansen Drilling [hansendrillingco@qwestoffice.net]
Sent: Tuesday, August 09, 2011 3:16 PM
To: Kris Byrd
Subject: East County Courts - Special Standards request

Importance: High

Attachments: scan0001.pdf



scan0001.pdf (3 MB)

Kris,

We are back working at the East County Courts project, on the injection well.

You approved a special standard for the vault completion on the extraction well, S.C. # 1012280.

We are also asking the same for S.C. # 1012281.

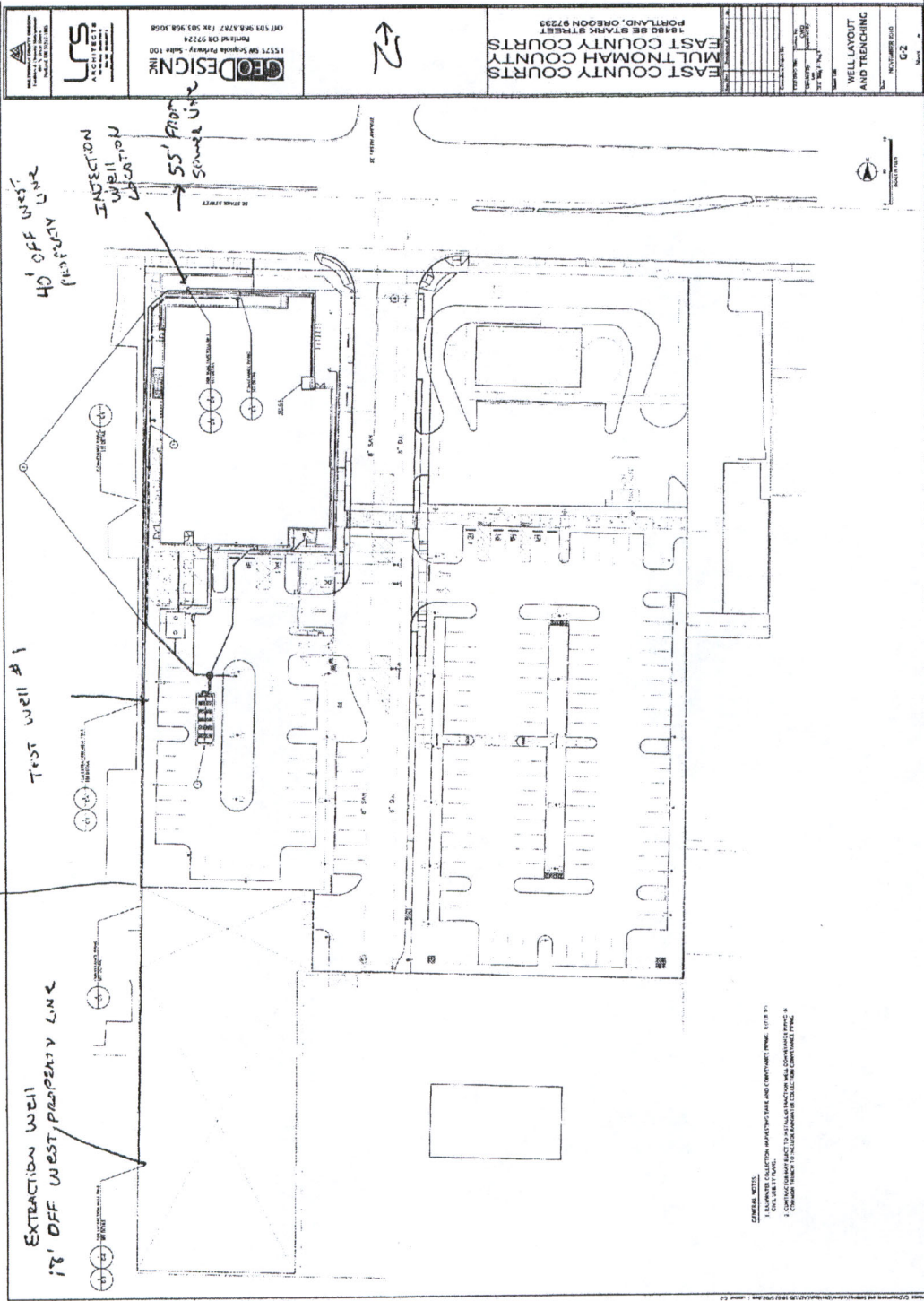
The well is located in the NW corner of the property 40 ft. East of West property line and 55 ft. South of the sewer line located in Stark St. Plot plan attached.

Also, there is an existing test well on the property that was completed by Skyles Drilling, S.C. # W 1011387.

This well has a 20 ft. deep cement surface seal. I assume that if this were placed in a vault the surface seal would need to be extended, if the vault was set deeper than 2 ft.

Thank you,

Ron



PARKING LOT

SCHOOL PLAY GROUND

EXTRACTION WELL
18' OFF WEST PROPERTY LINE

TEST WELL #1

40' OFF WEST
PROPERTY LINE

Base Ball Fields

INJECTION
WELL
LOCATION

55' FROM
SOURCE LINE

EAST COUNTY COURTS
MULTNOMAH COUNTY
16480 SE STARK STREET
PORTLAND, OREGON 97233

Geo DESIGN INC
15575 SW Scholls Parkway - Suite 100
Portland OR 97224
OFF 503.584.8787 FAX 503.508.3058

SFS
ARCHITECTS
1000 NE Oregon Street
Portland, OR 97232

WELL LAYOUT
AND TRENCHING
DATE: 08/11/11
PROJECT NO: 11-001
SHEET NO: C-2

GENERAL NOTES:
1. EXISTING UTILITIES SHOWN AS DASHED LINES.
2. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES.

Scale: 1" = 10'-0" (Horizontal) 1" = 5'-0" (Vertical)

(1) OWNER: Well Number: 01
 Name Multnomah County/Gao Design, Inc/East County Proj.
 Address c/o Property Management, 401 N. Dixon St.
 City Portland State OR Zip 97227-1865

(2) TYPE OF WORK:
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other Holte

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other Test

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 159 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
12	0 20	Cement w/5%	20		
9.6	20 159	Bentonite		0 23 Sacks	

How was seal placed: Method A B C D E
 Other _____
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 8	+2	158	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: None				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
 Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
 Perforations Method Air Perforator
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
120	157	1/8x1	1110			<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
175		157	1 hr.

Temperature of Water 54.5 Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Multnomah Latitude _____ Longitude _____
 Township 1SOUTH N or S. Range 3EAST E or W. of WM.
 Section 05BB NW 1/4 NW 1/4
 Tax lot 2100 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 18500 SE Stark St., Gresham, OR

(10) STATIC WATER LEVEL:
63.5 ft. below land surface. Date 9/15/2010
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 66'

From	To	Estimated Flow Rate	SWL
66	85	40	63.5
107	159	175	63.5

(12) WELL LOG:

Material	From	To	SWL
Asphalt & gravel	0	.5	
Clay, brown w/ cobbles	.5	3	
Gravel, medium w/ boulders	3	13	
Gravel, medium, light @ Limes	13	107	
Conglomerate, multicolored	107	159	63.5

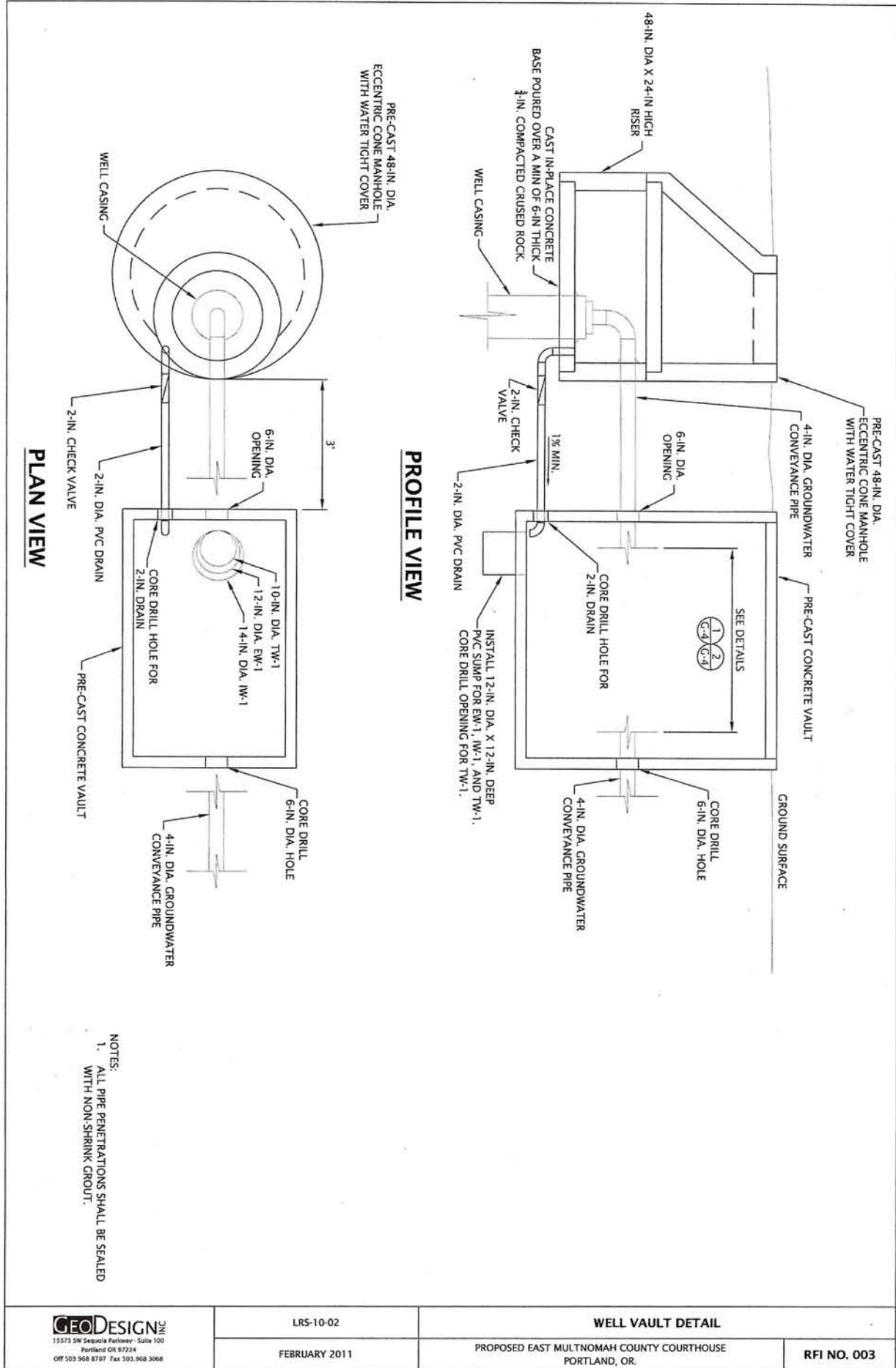
RECEIVED
 SEP 21 2010
 WATER RESOURCES DEPT
 SALEM, OREGON

Skyles Drilling, Inc.
 21912 S. Beaver Creek Rd.
 Oregon City, OR 97045
 503-656-2683

Date started 9/8/2010 Completed 9/15/2010

(unbonded) Water Well Constructor Certification:
 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
 Signed [Signature] WWC Number 1715
 Date 9/15/2010
Skyles Drilling, Inc.

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
 Signed [Signature] WWC Number 1592
 Date 9/15/2010
Skyles Drilling, Inc.



GEODESIGN INC
 15575 SW Sequoia Parkway - Suite 100
 Portland OR 97224
 Off 503.968.8787 Fax 503.968.3068

LR5-10-02

FEBRUARY 2011

WELL VAULT DETAIL

PROPOSED EAST MULTNOMAH COUNTY COURTHOUSE
 PORTLAND, OR.

RFI NO. 003