CLAIM OF BENEFICIAL USE AND SITE REPORT
APPLICATION G-12759, PERMIT G-12123
CITY OF JUNCTION CITY
TOWNSHIP 15 SOUTH, RANGE 4 WEST,
SECTIONS 31 & 32, W.M.
TOWNSHIP 16 SOUTH, RANGE 4 WEST
SECTIONS 5 & 6, W.M.
LANE COUNTY, OREGON

AUGUST 23, 2004

GeoEngineers

File No. 11340-001-00

Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1271

CLAIM OF BENEFICIAL USE

The completion of this form is required by OAR 690-014-010(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. Every numbered item must have a response. If any requested information does not apply to the Claim, insert "n/a." Do not delete any section of this form unless directed by the form. The Department may require the submittal of additional information from any water user or authorized agent. A separate form shall be completed for each permit or transfer final order.

I. General Information

1. Application number: G-12759

2. Permit number: G-12123

3. County: Lane

4. Tax Lot Information:

Tax map number	Tax lot number
n/a (municipal use)	

5. Date of Site Inspection: June 2, 2004

6. Person(s) interviewed and description of their association with the project:

Name	Date	Association with the project
David Renshaw	6/2/04	Community Services Director
Chuck Green	6/2/04	Public Works Superintendent

7. Permittee / Transferee of record (this may not be the current property owner)

   a. Individuals

	Individual 1	Individual 2
Name	n/a	
Mailing Address		
City/State/Zip		

   b. Businesses/Organizations

Name	City of Junction City
Contact Person and Title	David Renshaw
Mailing Address	P.O. Box 250

City/State/Zip	Junction City, Oregon 97448

8. Property owner (current owner information)

c. Individuals

Name	n/a	
Mailing Address		
City/State/Zip		
Phone #		
Fax #		
e-mail address		

d. Businesses/Organizations

Name	n/a (municipal use)
Contact Person and Title	
Mailing Address	
City/State/Zip	
Phone	
Fax	
e-mail	

If the current property owner is not the permittee or transfer holder of record, it is recommended that an assignment be filed with the Department.

9. If any property described in the permit or transfer final order is not included in this report, identify the owner of record for that property (ORS 537.230(3)):

**Mark "NA" if there are no owners of property not included in this claim

Name	n/a
Contact Person and Title	
Mailing Address	
City/State/Zip	
Phone #	

Name	n/a
Contact Person and Title	

II. Points of Diversion/Appropriation and Place of Use

For each point of diversion or appropriation, provide the following information. If the claim is for more than one point of diversion/appropriation, copy and complete this section for each point of diversion or appropriation.

1. Point of diversion/appropriation name or number (correspond to map):

Point of diversion/appropriation name or number (correspond to map)	Well log ID # for all work performed on the well (if applicable)	Well tag # (if applicable)
5th & Maple Street Well	LANE 6364	n/a

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, and deepenings)

2. Point of diversion/appropriation sources and tributary:

Source	Tributary to
Well in Ingram Slough basin	Willamette basin

3. Point of diversion/appropriation location:

(DLC, Government Lot, ¼ ¼, Section, Township, Range)	Reference to a recognized public land survey corner by distance and bearing or by coordinates
SE¼ SE¼ Section 31, T15S, R4W, W.M.	1155 feet north and 95 feet west from SE corner of Section 31

4. Use(s), period of use, and rate for each use:

Uses	When water is used	Rate for use
Municipal	Year-round	1.67 cfs

Total Quantity of Water **1.67 cfs**

5. Place of use for the point of diversion or appropriation:

DLC	Gov lot	1/4 1/4	Section	Township	Range	Use	# of primary acres	# of supplemental acres
See Attachment 1								

Total Acres Irrigated **n/a**

Groundwater Source Information (Well and Sump)
**If the appropriation is not from ground water (well or sump), this section, items 1-4, can be deleted.

1. Describe the access port or other means to measure the water level in the well in the box below:

Air line gage system. Air line is reported to extend to 126 feet, and gage is located approximately 1.5 foot above floor slab.

2. If well logs are not available, provide as much of the following information as possible:

Casing Diameter	Casing Depth	Total Depth	Completion Date of Original Well	Completion Dates of Alterations	Well drilled for	Well drilled by

In addition to the information requested in item "2" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

See LANE 6364

System Information:

Provide the following information concerning the diversion and delivery system. Trace the flow of water from the point of diversion/appropriation to the place of use.

1. Pump information

Brand	Model	Serial Number	Type	Intake size	Discharge size	Impeller
Jacuzzi	L8C/T-622 8x8	7K714047	Turbine	8 inch	6 inch	Unknown

If a performance curve is available, attach to the claim
Note: Pump nameplate indicates 675 gpm at 278 feet TDH

2. Motor information

Brand	Model	Horsepower	Max RPM	Voltage
U.S. Electrical Motor	364Tp Type RU	60	n/a	460 volt 3-phase

3. Meter information (if required in permit or transfer final order)

Make	Serial #	Condition	Current meter reading	Notes
Sparling electronic (6-inch-diameter)	130187	Good	23544600	Provides totalizer and instantaneous readings. Connected to chart recorder

4. Measurement device description

Device description	Condition	Notes
n/a		

5. Measured pump capacity (using meter if meter was present and system was operating)

Initial meter reading	Ending meter reading	Duration of time observed	Total pump output
Pump off			

6. Theoretical pump capacity

Horsepower	Operating psi	Lift from source to pump	Lift from pump	Total pump output

		*If a well, the water level during pumping (see pump test results)	to place of use	
60	65	Reported to be 70 feet when pump operating at or near 680 gpm.		

Note: Friction loss in distribution piping is 8 psi according to city personnel (see calculation).

7. Provide pump calculations in the box below:

$$Q_{pump} = \frac{(Hp)(\text{conversion factor})}{(\text{lift} + \text{pressure})\ \textit{total head in feet}} = \text{cfs}$$

$$Q\ \text{pump} = \frac{60\ (7.04)}{70 + 165.1 + 18.5} = 1.67\ \text{cfs}$$

Lift = reported drawdown (70 ft) + 65 psi (165.1 ft) + 8 psi (18.5 ft) friction loss in distribution pipe.

8. Mainline information

Mainline size	Length	Type of pipe
6 inch	600 Ft.	Cast Iron
8 inch	1,300 Ft.	Transite
8 inch	900 Ft.	Cast Iron

9. Handline information

Handline size	Length	Type of pipe
n/a		

10. Sprinkler information Make and model:

Make	Model	Size	Operating psi	Sprinkler output	Maximum number used	Total sprinkler output
n/a						

Refer to the chart of sprinkler output at various pressures for most nozzle sizes.

11. **Additional notes or comments related to the system:**

Water pumped from the well is chlorinated at the well house before entering a grid system of transmission and distribution pipelines. The pipelines are of varying diameter and age and constructed of cast iron, galvanized iron, wrought iron, PVC, steel and transite. Two reservoirs connected to the pipelines provide storage for the pumped water. One reservoir consists of a 1.25 million-gallon tank located near 13th and Elm Streets. A second reservoir, located near 7th and Front Streets, consists of a 100,000-gallon elevated tank. The elevated tank assists with maintaining the water system pressure at 62 psi.

III. CONDITIONS

Please pay special attention to this section. All conditions contained in the permit or transfer final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. **Time Limits:**

a. Permits or transfer Final Orders contain any or all of the following dates; the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use is to be completed by. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or transfer final order:

	Date	Explanation
Begin construction	8/29/1996	Well, which existed, was connected to water system before A date.
Complete construction	10/1/1997	See above comment.
Complete application of water	10/1/1998	See above comment.

2. **Initial Water Level Measurements:**
**If the Claim is for surface water or a reservoir, or if the water user was not required to submit static water level measurements, items b through e relating to this section can be deleted.

a. Was the water user required to submit an initial static water level measurement? NO

3. **Annual Static Water Level Measurements:**
**If the Claim is for surface water or a reservoir, or if the water user was not required to submit static water level measurements, items b through e relating to this section can be deleted.

a. Was the water user required to submit annual static water level measurements? NO

4. **Measurement, recording, and reporting conditions:**

a. Does the permit or transfer final order require the installation of a meter or approved measuring device?
YES **If "NO", items b through g relating to this section can be deleted.

b. Has a meter been installed? YES

c. Provide the date the meter was installed:

August 1978

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? n/a

e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

Name	Title	Approximate date

f. Is the water user required to report the water use to the Department? YES

g. Have the reports been submitted? YES

If the reports have not been submitted, attach a copy of the reports if available.

5. **Fish Screening and/or By-pass Devices**
a. Are any points of diversion required to be screened and/or have a by-pass device to prevent fish from entering the point of diversion? n/a

6. **Pump Test** (typically required for ground water uses prior to issuance of a certificate, but not a requirement of permit development)

a. Has a pump test been submitted and approved by the Department? NO

b. If no, is the pump test attached to this Claim? NO – a pumping test will be completed in fall 2004 when water demand is reduced and the pump can be turned off to allow pre-test static conditions to be monitored before the test starts.

7. **Other Permit Conditions** (examples: special well construct standards, water conservation plans, no obstructions to fish without a fishway, etc.; number as appropriate.)

The City has submitted a water conservation management plan to the WRD.

The City has prepared a Master Water Plan that indicates the steps the City intends to pursue to obtain a long-term water supply.

IV. Conclusions, Signatures

Permit and Transfer Final Order Rates and System Rates Comparisons:

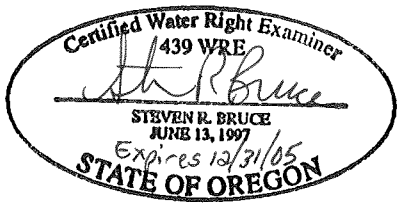
POD or POA name or #	Rate allowed by permit or transfer final order	Calculated theoretical rate of water based on system	Actual amount of water measured (if measured)	# of acres allowed by permit or transfer final order	# of acres developed
5th & Maple Street Well	1.67 cfs	1.67 cfs	N/A	n/a	n/a

Claim of Beneficial Use Map
The Claim of Beneficial Use Map must be submitted with this Claim. Claims submitted without the Claim of Beneficial Use map will be returned.

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.

Seal and Signature



Land Owners Signature or Acknowledgement

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

Signature	David Renshaw, Community Services Director Print or type name	Date
David M. Renshaw Signature	David M. Renshaw Print or type name	8/30/04 Date

RECEIVED
SEP 01 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
AUG 28 1978
WATER RESOURCES
SALEM, OREGON

LANE 6364

State Well No. 15s/4w-31da

State Permit No.

(1) OWNER:
Name CITY OF JUNCTION CITY
Address JUNCTION CITY, OREGON 97448

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [X]
Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:
Threaded [ ] Welded [X]
12" Diam. from +3 ft. to 150 ft. Gage .330
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? [ ] Yes [X] No.
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? [X] Yes [ ] No
12"Telesc. 43'-3¼" overall
Manufacturer's Name JOHNSON
Type 308 Stainless Steel Model No.
Diam. 12" Slot size .018 Set from 150 ft. to 160 ft.
Diam. 12" Slot size .030 Set from 160 ft. to 180 ft.
Diam. 12" Slot size .035 Set from 180 ft. to 190 ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [X] Yes [ ] No If yes, by whom? Driller
Yield: 800+ gal./min. with 73 ft. drawdown after 4 hrs.
950+ " 84 " 2 "
" 680+ " 50 " 1 "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 60° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Portland Cement Grout
Well sealed from land surface to 30 ft.
Diameter of well bore to bottom of seal 16 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 37 sacks
How was cement grout placed? Pumped from bottom up.
Was a drive shoe used? [X] Yes [ ] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

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(10) LOCATION OF WELL:
County LANE Driller's well number 605-109
NE ¼ SE ¼ Section 31 T. 15 S. R. 4 W. W.M.
Bearing and distance from section or subdivision corner
Northwest corner of 5th & Maple Streets, Junction City, Oregon

(11) WATER LEVEL: Completed well.
Depth at which water was first found 10 ft.
Static level 19'-6" ft. below land surface. Date 8/10/78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 12"
Depth drilled 190 ft. Depth of completed well 190 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Soil, gravely loam	0	5'	
Gravel & loam	5'	6'	
Silt, sand & gravel	6'	10'	
Gravel	10'	12'	WB
Gravel, med; sand; some wood	12'	17'	
" " " " "	17'	22'	
Gravel, partly cemented	22'	24'	
Gravel	24'	25'	WB
Sand; gravel	25'	35'	
Gravel, med; Sand, med; Clay	35'	38'	
Clay, stickey	38'	44'	
Clay; silty sand & gravel	44'	53'	
Clay, sandy, silty; little sand & gravel	53'	58'	Heaving
Sand & clay	58'	61'	"
Sand; clay; heaving badly	61'	65'	
Sand, med. w/clay; heaving	65'	69'	
Sand, fine w/clay & wood	69'	71'	Heaving
(CONTINUED ON NEXT PAGE)			

Work started May 16 19 78 Completed Aug. 14 19 78
Date well drilling machine moved off of well Aug. 14 19 78

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] John L Hoeck (Drilling Machine Operator) Date 8/14/, 1978
Drilling Machine Operator's License No. 931

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name HOECK WELL DRILLING (Person, firm or corporation) (Type or print)
Address P. O. BOX 1577, EUGENE, OR 97440
[Signed] John L Hoeck (Water Well Contractor)
Contractor's License No. 605 Date Aug. 14, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT LANE 6305

STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. .....

State Permit No. .....

(1) OWNER:

Name CITY OF JUNCTION CITY

Address JUNCTION CITY, OREGON 97448

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☐

..... " Diam. from ..... ft. to ..... ft. Gage .....
..... " Diam. from ..... ft. to ..... ft. Gage .....
..... " Diam. from ..... ft. to ..... ft. Gage .....

PERFORATIONS:

Perforated? ☐ Yes ☐ No.

Type of perforator used

Size of perforations in. by in.

..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☐ No

Manufacturer's Name .....

Type ..... Model No. .....

Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.

Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.
" " "
" " "

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:

Well seal—Material used .....

Well sealed from land surface to ..... ft.

Diameter of well bore to bottom of seal ..... in.

Diameter of well bore below seal ..... in.

Number of sacks of cement used in well seal ..... sacks

How was cement grout placed?

Was a drive shoe used? ☐ Yes ☐ No Plugs ..... Size: location ..... ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☐ No Size of gravel: .....

Gravel placed from ..... ft. to ..... ft.

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WATER RESOURCES DEPT
SALEM, OREGON

(10) LOCATION OF WELL:

County LANE Driller's well number 605-109

NE ¼ SE ¼ Section 31 T. 15 S R. 4 W W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.

Static level ft. below land surface. Date

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing .....

Depth drilled ft. Depth of completed well ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Sand;siltstone w/clay & wood	71'	74'	Heaving
Sand,med.w/clay;heaving	74'	85'	
Sand, fine w/clay	85'	87'	
Clay, silty w/wood	87'	94'	
Sand, fine w/clay	94'	102'	WB
Clay, blue,silty,no water	102'	104'	
Clay, blue	104'	113'	
Clay, blue, stickey	113'	116'	
Clay,bl-grn.,silt;some wtr	116'	122'	
Clay, light blue	122'	132'	
Clay,light blue w/sand	132'	133'	
Siltstone	133'	134'	
Clay,bl-grn., stickey	134'	135'	
Clay, blue-gray	135'	147'	
Clay, blue with silt	147'	150'	
Siltstone	150'	163'	WB
Clay, blue-green	163'	165'	
(CONTINUED ON NEXT PAGE)			

Work started 19 Completed 19

Date well drilling machine moved off of well 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] John L Reed (Drilling Machine Operator) Date ....., 19.....

Drilling Machine Operator's License No. .....

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name ..... (Person, firm or corporation) (Type or print)

Address .....

[Signed] John L Reed (Water Well Contractor)

Contractor's License No. ..... Date ....., 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

LANE 6366

State Well No. .....

State Permit No. .....

(1) OWNER:
Name CITY OF JUNCTION CITY
Address JUNCTION CITY, OREGON 97448

(2) TYPE OF WORK (check):
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☐
....." Diam. from ..... ft. to ..... ft. Gage .....
....." Diam. from ..... ft. to ..... ft. Gage .....
....." Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:
Perforated? ☐ Yes ☐ No.
Type of perforator used
Size of perforations in. by in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☐ No
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.
Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:
Well seal—Material used .....
Well sealed from land surface to ..... ft.
Diameter of well bore to bottom of seal ..... in.
Diameter of well bore below seal ..... in.
Number of sacks of cement used in well seal ..... sacks
How was cement grout placed?
Was a drive shoe used? ☐ Yes ☐ No Plugs ..... Size: location ..... ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☐ No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

(10) LOCATION OF WELL:
County LANE Driller's well number 605-109
NE¼ ¼ SE¼ ¼ Section 31 T. 15 S R. 4 W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found ft.
Static level ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing .....
Depth drilled ft. Depth of completed well ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Siltstone w/fine sand and wood	165'	166'	WB
Siltstone, soft; w/sand, med. and wood	166'	181'	"
Siltstone, harder w/sand	181'	190'	"

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WATER RESOURCES DEPT
SALEM, OREGON

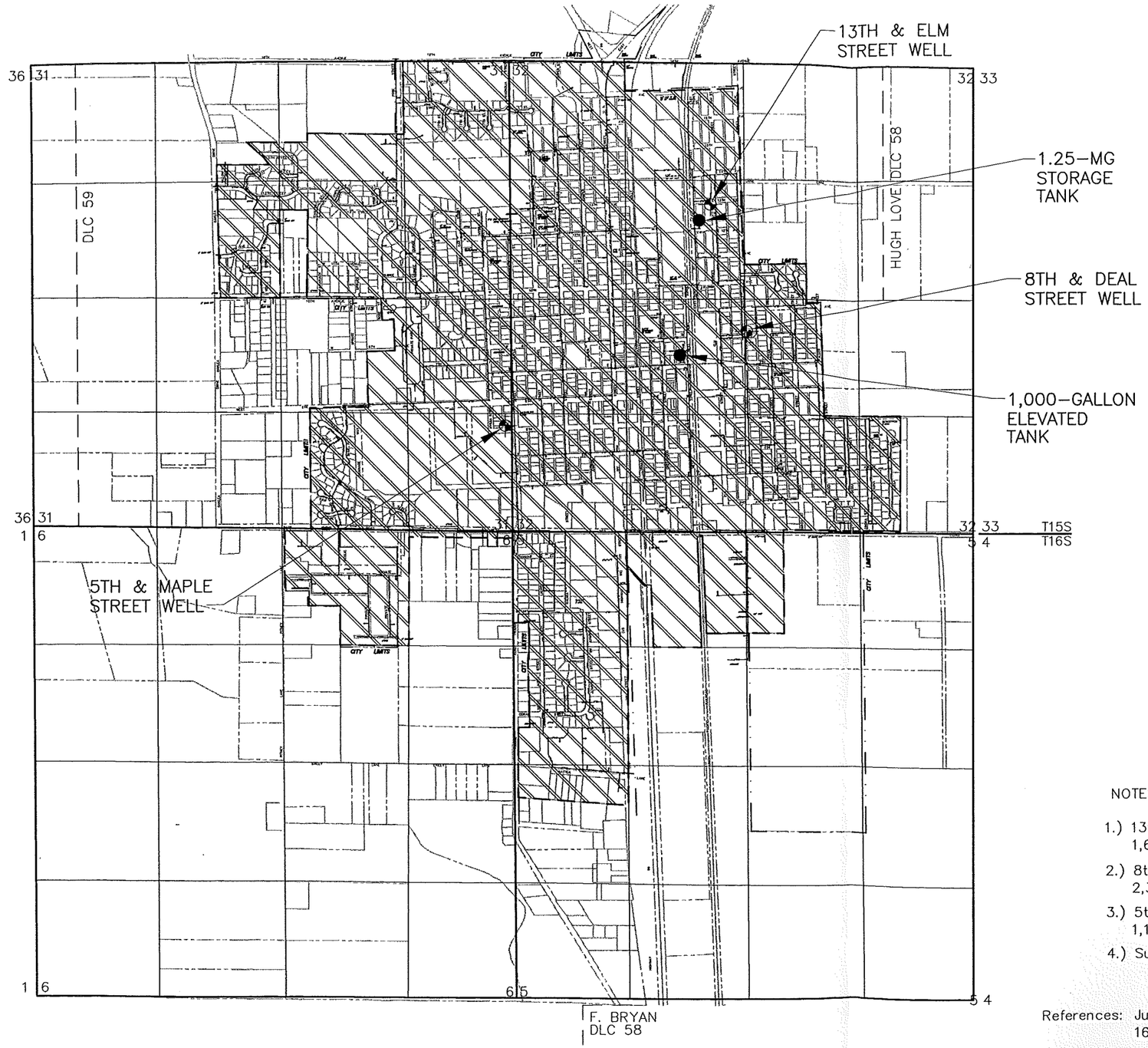
Work started 19 Completed 19
Date well drilling machine moved off of well 19

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] John L Hoeck (Drilling Machine Operator) Date ....., 19.....
Drilling Machine Operator's License No. .....

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name ..... (Person, firm or corporation) (Type or print)
Address .....
[Signed] John L Hoeck (Water Well Contractor)
Contractor's License No. ..... Date ....., 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119



T15S, R4W
SECTIONS 31 AND 32
T16S, R4W
SECTIONS 5 AND 6

PERMITS G-12057, G-12121 AND G-12123

1 INCH = 1320 FEET

N

Certified Water Right Examiner
439 WRE
STEVEN R. BRUCE
JUNE 13, 1997
Expires 12/31/05
STATE OF OREGON

EXPLANATION:

- POINT OF APPROPRIATION
- STORAGE TANK
- PLACE OF USE
- URBAN GROWTH BOUNDARY
- CITY LIMITS

RECEIVED
SEP 01 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOTES:

1.) 13th & Elm Street well (Permit G–12057, Application G–13206) located 1,640 feet south and 3,050 feet west of NE corner of Section 32.

2.) 8th & Deal Street well (Permit G–12121, Application G–12570) located 2,300 feet north and 2,650 feet west of SE corner of Section 32.

3.) 5th & Maple Street well (Permit G–12123, Application G–12759) located 1,160 feet north and 100 feet west of SE corner of Section 31.

4.) Survey completed on 6/2/04.

References: Junction City Quadrangle (Photorevised 1986) and Tax Lot Maps 150431, 150432, 160406 and 160405.

THIS MAP IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

Portland\P:\11\11340001\00\Cad\COBU_MAP1.dwg SRB:MWJ 08/19/04

GeoEngineers

CLAIM OF BENEFICIAL USE MAP
JUNCTION CITY, OREGON

FIGURE 1