Water Rights Section 9/27, 1991

OM: Groundwater/Hydrology Section Meyer
Reviewer's Name

BJECT: Application G- 12226

PER THE Deschutes Basin rules, one or more of the proposed POA's is within _____ mile of a surface water source and taps a groundwater source hydraulically connected to the surface water.

BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use

a. ___ will, or } have the potential for substantial interference with the nearest surface water
b. X will not } source, namely Tumalo Creek ; or
c. X will, if properly conditioned, adequately protect the surface water from interference:
   i. X The permit should contain condition #(s) 4A ;
   ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
   iii. ___ The permit should be conditioned as indicated in item 4 below; or
d. ___ will, with well reconstruction, adequately protect the surface water from substantial interference.

BASED UPON available data, I have determined that groundwater for the proposed use

a. ___ will, or }
b. ___ will not } likely be available in the amounts requested without injury to prior rights; or
c. X can, if properly conditioned, avoid injury to existing rights or to the groundwater resource;
   i. X The permit should contain condition #(s) 4E ;
   ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
   iii. ___ The permit should be conditioned as indicated in item 4 below.

a. ___ **THE PERMIT** should allow groundwater production from no deeper than _____ ft. below land surface;
b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

G-12226

REMARKS: _____

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

Desc 8509

TO: FILE G-12226

DATE: 9/27-91

FROM: SARAH C MEYER

SUBJECT: SURFACE/GROUND WATER CONSIDERATIONS

The applicant seeks 10 cfs (4400 gpm) from two wells for municipal use in the Tumalo Creek Basin

Deschutes County
T17S/R11E Sec 34

Per Division 9

FACTS

The well locations and aquifer display the following: ~~N/A~~

1) Well #1 is located ~~3780'~~ 2050' from 2550' and well #2 is located _____ from Tumalo Creek < ½ mile

2) Well #1 is ≈ 650 deep and well #2 is 2650' deep developing water in _____. The well logs are in the file.

3) The static water level for well #1 was 400 (?) on _____ and for well #2 it was _____ on _____ from the log reports.

4) The approximate elevations of the wells are 3980' for well #1 and 3980' for well #2.

5) The nearby stream reach elevation is 3760' feet.

6) Geology + Mineral Resources of Deschutes County → Bulletin #89 describes groundwater conditions in the area of the application.

7) A pump test on the well #1 produced _____ gpm with _____ feet drawdown in _____ hours. Well #2 produced _____ gpm w/ _____ feet d.d in _____ hours.

CONCLUSIONS

1) The head at well #1 is 3580' and at well #2, 3580', indicating a lower standing with the nearby stream reach.

2) The well develops water from the Ashflow + Airfall Deposits

3) Based on requested rate, heads, disances, general geologic environment and logged materials, I conclude that the alluvial aquifer is ___ **confined with** ___ **hydraulic connection to the nearby stream and** ___ **the potential to cause substantial interference.**

Wells have not been drilled yet.

Permit is for Wells # 1 and # 2 located in Section 34 only

3980
400
3580

~~39~~

(Back of Page)

Water Resources Department

MEMO April 9, 1996

TO **Application G-** 12258 *JKS 6/4/13 (5yr renewal)

FROM **GW:** Marla Norton
(Reviewer's Name)

SUBJECT **Scenic Waterway Interference Evaluation**

☐ Yes
☒ No — The source of appropriation is within or above a Scenic Waterway.

☐ Yes
☒ No — Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☒ At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

FLOW REDUCTION: *(To be filled out only if Preponderance of Evidence box is not checked)*

Exercise of this permit is calculated to re in _____ Scenic Waterway by the follow ; a proportion of the consumptive use by which surface water

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	S

Expired 13

12258

TO: Water Rights Section

9/3/., 1991

FROM: Groundwater/Hydrology Section Marc a Norton
Reviewer's Name

SUBJECT: Application G- 12226

1. **PER THE** _____ Basin rules, one or more of the proposed POA's is within ½ mile of a surface water source and taps a groundwater source hydraulically connected to the surface water.

2. **BASED UPON** OAR 690-09 currently in effect, I have determined that the proposed groundwater use
   a. ____ will, or } have the potential for substantial interference with the nearest surface water
   b. ____ will not } source, namely _____; or
   c. ____ will, if properly conditioned, adequately protect the surface water from interference:
      i. ___ The permit should contain condition #(s)_____;
      ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
      iii. ___ The permit should be conditioned as indicated in item 4 below; or
   d. ____ will, with well reconstruction, adequately protect the surface water from substantial interference.

3. **BASED UPON** available data, I have determined that groundwater for the proposed use
   a. ____ will, or }
   b. ____ will not } likely be available in the amounts requested without injury to prior rights; or
   c. X can, if properly conditioned, avoid injury to existing rights or to the groundwater resource;
      i. X The permit should contain condition #(s) 4E ;
      ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
      iii. ___ The permit should be conditioned as indicated in item 4 below.

4. a. ____ **THE PERMIT** should allow groundwater production from no deeper than _____ ft. below land surface;
   b. ____ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
   c. ____ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
   d. ____ Well reconstruction is necessary to accomplish one or more of the above conditions.
   e. ____ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: Application states 2 wells - Map shows 4 wells

3ci – There are a significant number of domestic wells nearby that could be affected by pumping the City's proposed wells at 10 CFS. The wells/Permit should be conditioned to prevent interference.

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. **THE WELL** which is the point of appropriation for this application does not meet current well construction standards based upon:
   a._____review of the well log;
   b._____field inspection by _____;
   c._____report of CWRE _____;
   d._____other: (specify) _____
   _____.

6. **THE WELL** construction deficiency:
   a._____constitutes a health threat under Division 200 rules;
   b._____commingles water from more than one groundwater reservoir;
   c._____permits the loss of artesian head;
   d._____permits the de-watering of one or more groundwater reservoirs;
   e._____other: (specify) _____
   _____.

7. **THE WELL** construction deficiency is described as follows: _____
   _____
   _____.

8. **THE WELL**
   a._____was, or } constructed according to the standards in effect at the time of
   b._____was not } original construction or most recent modification.
   c._____I don't know if it met standards at the time of construction.

RECOMMENDATION:

A.____I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."

B.____I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.

C.____**REFER** this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit.

_____ _____, 1991.
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____
_____
_____.

_____ _____, 1991.
(Signature)

(WRFORM8\91)

Nearby Domestic Well #121

18s/11E-4ba

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

RECEIVED
JUL 15 1986
WATER RESOURCES DEPT
SALEM, OREGON

PLEASE TYPE or PRINT IN INK

(for official use only)

(1) OWNER:

Name Gary Rodrigues
Address 1426 School St 96817
City Honolula State Hawaii

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Thermal: Withdrawal ☐ Reinjection ☐
Other: Piezometric ☐ Grounding ☐ Test ☐

(5) CASING INSTALLED:

Steel ☒ Plastic ☐
Threaded ☐ Welded ☒
8 " Diam. from +1 ft. to 19 ft. Gauge .250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:

Steel ☒ Plastic ☐
Threaded ☐ Welded ☒
6 " Diam. from 0 ft. to 633 ft. Gauge .188

(6) PERFORATIONS:

Perforated? ☒ Yes ☐ No
Size of perforations 1/8 in. by 3 in.
228 perforations from 613 ft. to 633 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.
Air test 20 gal./min. with drill stem at 633 ft. 1 hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 51 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes ☐ No ☒
Well seal—Material used cement
Well sealed from land surface to 19 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8 in.
Amount of sealing material 10 sacks ☒ pounds ☐
How was cement grout placed? pumped from 19 to 0

Was pump installed? no Type HP Depth ft.
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 by legal description:

County Deschutes NE ¼ NW ¼ of Section 4 of
Township 18 S (Township is North or South), Range 11 E (Range is East or West), WM.
Tax Lot Lot Block Subdivision
MAILING ADDRESS OF WELL (or nearest address)

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 530 ft.
Static level 560 ft. below land surface. Date 7/7/86
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 0
Depth drilled 633 ft. Depth of completed well 633 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
Brn sand	0	2	
brn congl	2	6	
black congl	6	37	
gray congl	37	81	
gray tuft	81	134	
brn congl crse	134	153	
redish gray ash	153	176	
redish brn basalt	176	207	
gray tuft	207	218	
gray basalt	218	260	
red congl fine	260	311	
gray congl fine	311	356	
brn congl fine	356	402	
redish gray vesicular basalt	402	414	
gray basalt	414	484	
tan congl	484	507	
brn congl (WB)@ 530	507	621	
red cinders (WB)	621	633	

Date work started 6/18/86 /completed 7/7/86
Date well drilling machine moved off of well 7/7/ 1986

(unbonded) Water Well Constructor Certification (if applicable):

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

[Signed] Micky D. Williams Date 7/7, 19 86

(bonded) Water Well Constructor Certification:

Bond 468400 (number) Issued by: U.S.F.@ G. (Surety Company Name)
On behalf of John V. Johnson (type or print name of Water Well Constructor)

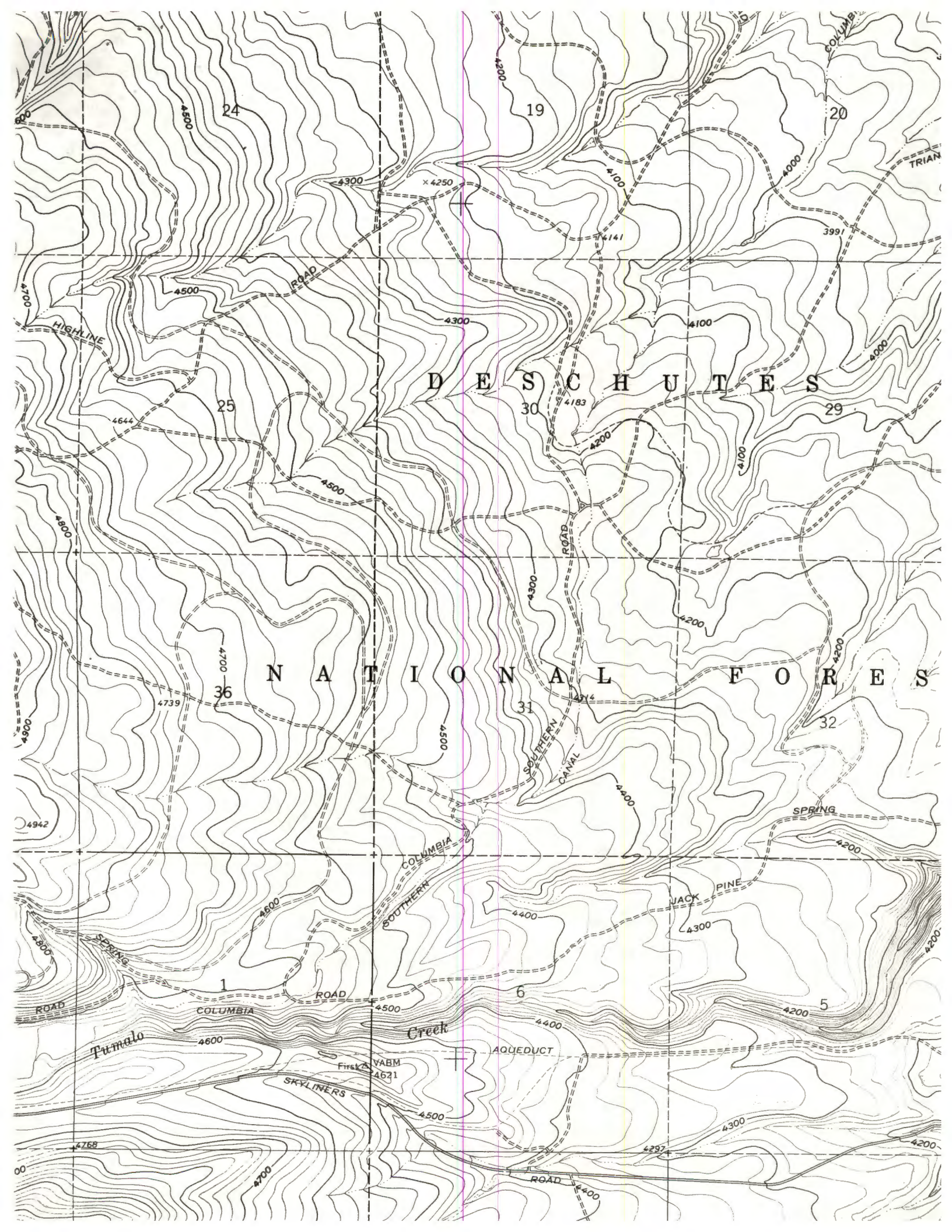
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:

(Signed) John V Johnson (Water Well Constructor)
(Dated) 7/7/86

NOTICE TO WATER WELL CONSTRUCTOR
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.

SP*46866-690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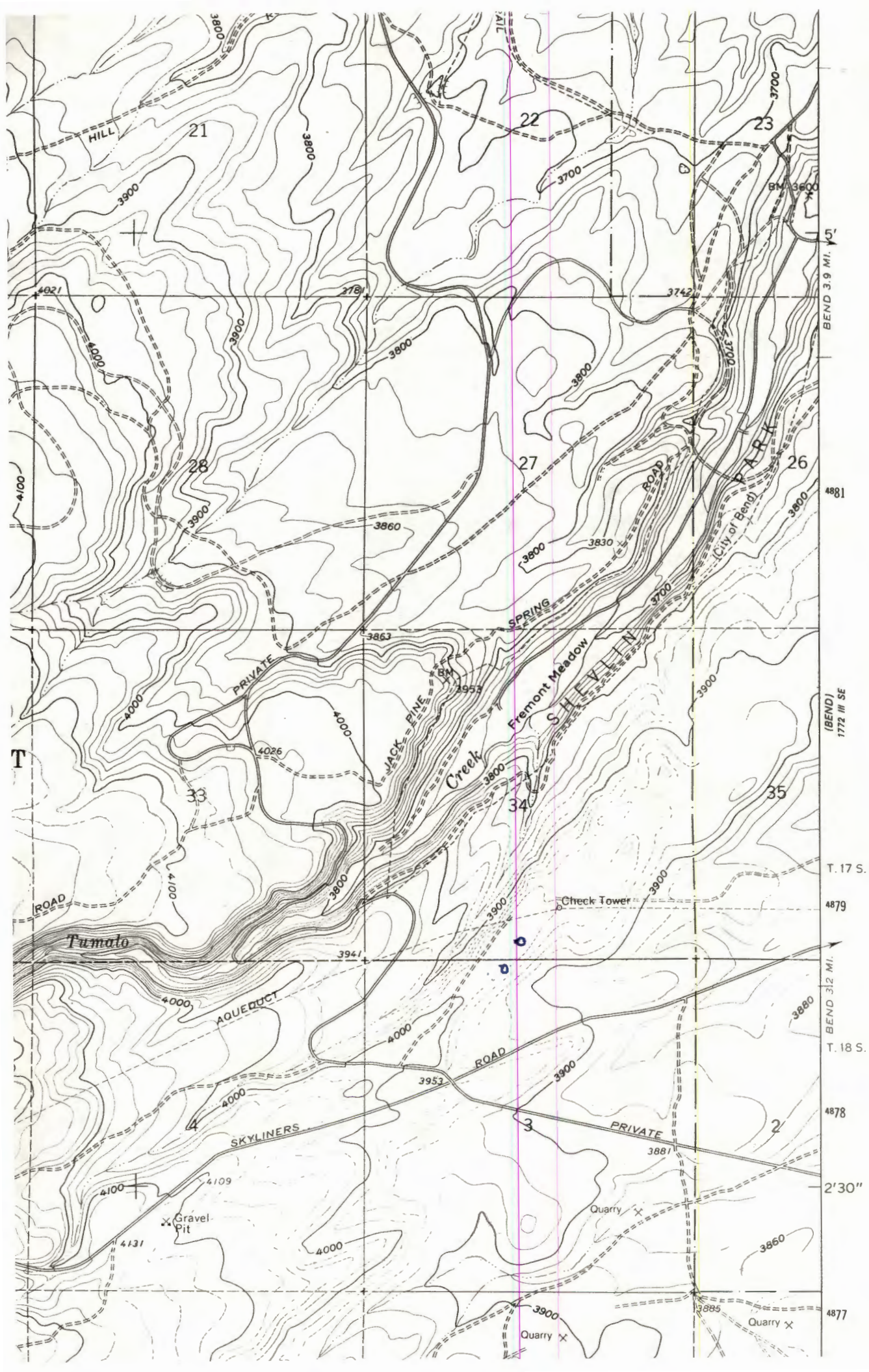
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SKYLINERS
PRIVATE
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Gravel Pit
4131
Quarry
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3885
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Quarry
Quarry