APPENDIX 6-1

Water Rights

Surface Water Certificate 184 3
Surface Water Certificate 2180 9
Groundwater Certificate 286-A 13
Groundwater Certificate 1152-A 21
Groundwater Certificate 2096-A 27
Groundwater Certificate 4155-A 33
Groundwater Certificate 3100-A.....41
Groundwater Certificate 5469-A 49
Groundwater Certificate 6980-A 57
Groundwater Certificate G1-00675C 65
Groundwater Certificate G1-23487C 77
Permit G1-25182 P 87

EDWARD SPRINGS
JULY 14, 1921
360 GPM

23738. S. F. No. 369—1923. Approved as to Form by Dept. of Efficiency.

CERTIFICATE RECORD NO. One, PAGE NO. 184

Cert 184

STATE OF WASHINGTON, COUNTY OF Snohomish

CERTIFICATE OF WATER RIGHT

(For rights perfected under original, enlargement or secondary permits.)

(In accordance with the provisions of Chapter 117, Laws of Washington for 1917, and the regulations of the State Hydraulic Engineer thereunder.)

This is to certify, that TOWN OF MARYSVILLE, a municipal corporation of the fourth class *of* Marysville, *State of* Washington, *has made proof to the satisfaction of the State Supervisor of Hydraulics of Washington, of a right to the use of the waters of* unnamed stream, *a tributary of* Stillaguamish River, *for the purposes of* domestic supply, *under* Appropriation *Permit No.* 886, *of the State Supervisor of Hydraulics, and that said right to the use of said waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Hydraulics of Washington and entered of record in Volume* One, *at Page* 184, *on the* 20th *day of* April, *19*27; *that the right hereby confirmed dates from* July 14, *19*21; *that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 0.8 *cubic feet per second.* (360 GPM)

A description of [redacted] *the place where such water is put to beneficial use, is as follows:*

Township	Range	Section	Forty-Acre Tract	[redacted]	[redacted]
31 N.	4 E.	24	SW¼ of SW¼	Point of Diversion	

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Section 39, Chapter 117, Session Laws 1917.

WITNESS the seal and signature of the State Supervisor of Hydraulics affixed this 20th *day of* April, *19*27.

L. P. K. Tiffany
State Supervisor of Hydraulics.

Form 10

*Permit No.

APPLICATION FOR A PERMIT

To Appropriate the Public Waters of the State of Washington

I, The Town of Marysville, a municipal corporation of the fourth class,
(Name of applicant)

~~or~~ located in the ..... *County of* Snohomish,
(Postoffice)

State of Washington, *do hereby make application for a permit to appropriate the following described public waters of the State of Washington subject to existing rights:*

If the applicant is a corporation, give date and place of incorporation

1. *The source of the proposed appropriation is* Unnamed
(Name of stream)
tributary of Stilaquamish River

2. *The amount of water which the applicant intends to apply to beneficial use is* eight-tenths *cubic feet per second.*

3. *The use to which the water is to be applied is* Domestic supply
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. *Time during which water will be required each year* Entire

5. *The approximate point of diversion is located*
(Give distance and bearing to section corner)
N. 65 degrees 00' W. 1600 feet from the 1/4 Sec. Cor. common to Sections 24 & 25, T. N. R. E. W. M.

being within the SW¼ SW¼ *of Sec.* 24, *Tp.* 31 N., *R.* 4 E. *W. M.,*
(Give smallest legal subdivision) (No. N. or S.) (No. E. or W.)
in the county of Snohomish

6. *The* Pipe Line *to be* 8½ *miles in length, terminating*
(Main ditch, canal, or pipe line)
in the NE¼ SW¼ *of Sec.* 28, *Tp.* 30 N., *R.* 5 E. *W. M.,*
(Smallest legal subdivision) (No. N. or S.) (No. E. or W.)
the proposed location being shown throughout on the accompanying map.

7. *The name of the ditch, canal or other works is*

8. *Estimated cost of development necessary to fully utilize the appropriation herein asked for* $75,000.00 including spring development, pipe line and storage in Town.

DESCRIPTION OF WORKS.

DIVERSION WORKS—

9. (*a*) *Height of diversion dam* ..... *feet; length on top* ..... *feet; length at bottom* ..... *feet; material to be used and character of construction*
(Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

(*b*) *Description of headgate*
(Timber, concrete, etc.; number and size of openings)

* When storage works are contemplated a storage permit must be filed in addition to the above. These forms can be secured together [illegible]

CANAL SYSTEM—

10. (a) *Give approximate dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: Width on top (at water line)*.....*feet; width on bottom*.....*feet; depth of water*.....*feet; grade*.....*feet fall per one thousand feet.*

(b) *At*.....*miles from headgate: Width on top (at water line)*.....*feet; width on bottom*.....*feet; depth of water*.....*feet; grade*.....*feet; depth of water*.....*feet; grade*.....*feet fall per one thousand feet.*

.....

.....

.....

FILL IN THE FOLLOWING INFORMATION WHERE THE WATER IS USED FOR:

IRRIGATION—

11. *The land to be irrigated has a total area of*.....*acres, described as follows:*.....
(Give legal subdivision by section, township and range)

.....

.....

.....

.....

.....

.....

.....

.....
(If more space is required, attach separate sheet)

DUTY OF WATER—

Character of soil: Depth....., *sandy*....., *volcanic ash*..... *loam*....., *clay*....., *etc.*.....;
Annual precipitation.....*inches: precipitation during growing season*.....*inches;*
Depth of irrigation water required.....
(Expressed in feet or inches)

.....

POWER, MINING, MANUFACTURING, OR TRANSPORTATION PURPOSES—

13. (a) *Total amount of power to be developed*.....*H. P.*
(Theoretical horsepower)

(b) *Total fall to be utilized*.....*feet.*
(Head)

(c) *The nature of the works by means of which the power is to be developed*.....

.....

.....

(d) *Such works to be located in*.....*of Sec*.....,
(Legal subdivision)
Tp.....*R*.....*W. M.*
(No. N. or S.) (No. E. or W.)

(e) *To what stream is the water to be returned*.....

(f) *Locate point of return*.....*Sec*.....,
Tp......*R*.....*W. M.*
(No. N. or S.) (No. E. or W.)

(g) *The use to which power is to be applied is*.....

MUNICIPAL SUPPLY—

14. *To supply the city of* Marysville (Name)

Snohomish *County, having a present population of* 1300

and an estimated population of 2500 *in 19*30.

15. *Estimated present requirement* Three-tenths cu. ft. per sec.

16. *Estimated future requirement* Eight-tenths cu. ft. per sec.

17. *Construction work will begin on or before* August 10, 1921.

18. *Construction work will be completed on or before* Feby. 10, 1921.

Duplicate maps of the proposed ditch or other works, prepared in accordance with the rules of the State Hydraulic Engineer accompany this application.

The Town of Marysville, (Name of applicant)

By [signature] Mayor

Attest: W. S. Myers Town Clerk

Signed in the presence of us as witnesses:

(1) [signature] (Name), Marysville, Washington (Address of witness)

(2) [signature] (Name), Marysville, Washington (Address of witness)

Remarks:

STATE OF WASHINGTON, }
COUNTY OF THURSTON, } ss.

This is to certify that I have examined the foregoing application (Received ..... (Date)*)*

together with the accompanying maps and data, and return the same ..... (Date of return)

for correction or completion, as follows:

In order to retain its priority, this application must be returned to the State Hydraulic Engineer, with corrections, on or before ....., *19*.....

WITNESS my hand this ..... *day of* ....., *19*.....

State Hydraulic Engineer.

STATE OF WASHINGTON,
COUNTY OF THURSTON. } ss.

This is to certify that I have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions. If for irrigation, this appropriation shall be subject to such reasonable rotation system as may be ordered by the State Hydraulic Engineer .....

.....

.....

.....

The amount of water appropriated shall be limited to the amount which can be applied to beneficial use and not to exceed ..... *cubic feet per second, or its equivalent in case of rotation. The priority date of this permit is* .....

Actual construction work shall begin on or before .....

and shall thereafter be prosecuted with reasonable diligence and be completed on or before .....

.....

Complete application of the water to the proposed use shall be made on or before .....

.....

WITNESS my hand this ..... *day of* ..... *19* .....

.....
State Hydraulic Engineer.

This form approved by the State Hydraulic Engineer, 1917.

Application No. 6441

Permit No. .....

PERMIT

To Appropriate the Public Waters of the State of Washington

Filed by .....

County of .....

This instrument was first received in the office of the State Hydraulic Engineer, Olympia, Washington, on the ..... *day of* ....., *19* ....., *at* ..... *o'clock* ..... *M.*

Returned to applicant for correction .....

Corrected Application received .....

Approved .....

Recorded in Book No. ..... *of Permits, on Page* .....

.....
State Hydraulic Engineer.

FRANK M. LAMBORN, PUBLIC PRINTER, OLYMPIA

Before your certificate of water right is issued it will be necessary for you to fill out and file with the State Hydraulic Engineer a copy of each of the following reports:

1st. Progress report.
2nd. Notice of water right application.
3rd. Notice to begin construction.
4th. Notice of prosecution of work with diligence.
5th. Notice of completion of construction.
6th. Notice of application of water to a beneficial use.
7th. Proof of appropriation of water.

Upon a satisfactory showing that the appropriation has been perfected as provided by statute the

S.W. CERT. No. 2180

CERTIFICATE OF CHANGE OF POINT OF DIVERSION OF WATER

In accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and rules thereunder of the State Supervisor of the Division of Water Resources.

THIS IS TO CERTIFY that the Town of Marysville, Washington, has complied with all of the requirements of Sec. 39 of the Water Code of the State of Washington and is hereby granted a permit to change the point of diversion of waters of Edwards Creek in the amount of 2.3 second-feet as granted under Water Right Certificate No. 2180; from a point situated in the W½ of NW¼ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M.; to a point situated in the SW¼ of SW¼ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M., which point is approximately ½ mile south of the present point of diversion, all within Snohomish County, Washington.

WITNESS the seal and signature of the State Supervisor of the Division of Water Resources of the State of Washington, affixed this 8th day of May, 1952.

Chas J. Barthoet

CHAS. J. BARTHOLET, State Supervisor
Division of Water Resources

RECORDED:
Vol. 1, Page 354
Records of Change of
Point of Diversion of
Water.

ENGINEERING DATA
O.K. MRW

S.W. CERT. NO. 2180
EDWARD SPRINGS
NOV. 14 1931
1,035 GPM

S. F. No. 363—11-44—1M. 7551.

CERTIFICATE RECORD NO. 5, PAGE NO. 2180

STATE OF WASHINGTON, COUNTY OF Snohomish

CERTIFICATE OF WATER RIGHT.

Cert. 354 Division
d. 8-8-42 5-8-42

(In accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the State Supervisor of Hydraulics thereunder.)

This is to certify, that Town of Marysville *of* Marysville, *State of* Washington, *has made proof to the satisfaction of the State Supervisor of Hydraulics of Washington, of a right to the use of the waters of* Edwards Creek, *a tributary of* Stillaguamish River, *with point or points of diversion within the* W½ of NW¼ *Sec.* 24, *Twp.* 31 N., *Range* 4 E., *W. M., for the purposes of* Municipal supply

under Appropriation *Permit No.* 1864 *issued by the State Supervisor of Hydraulics, and that said right to the use of said waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Hydraulics of Washington and entered of record in Volume* 5, *at Page* 2180, *on the* 3rd *day of* April, *19*45; *that the right hereby confirmed dates from* November 14, 1931; *that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 2.3 cubic feet per second

A description of the lands under such right to which the water hereby confirmed is appurtenant, and the place where such water is put to beneficial use, is as follows:

PLACE OF USE			LEGAL SUBDIVISION	FOR IRRIGATION	
Section	Township	Range		No. Acres Described in Permit	No. Acres Actually Irrigated

LOCATION OF POWER PLANT			LEGAL SUBDIVISION	FOR POWER	
Section	Township	Range		H. P. Described in Permit	H. P. Actually Developed

Section	Township	Range	LEGAL SUBDIVISION	FOR OTHER USES
	30 N.	5 E.W.M.	Town of Marysville and vicinity	Municipal supply

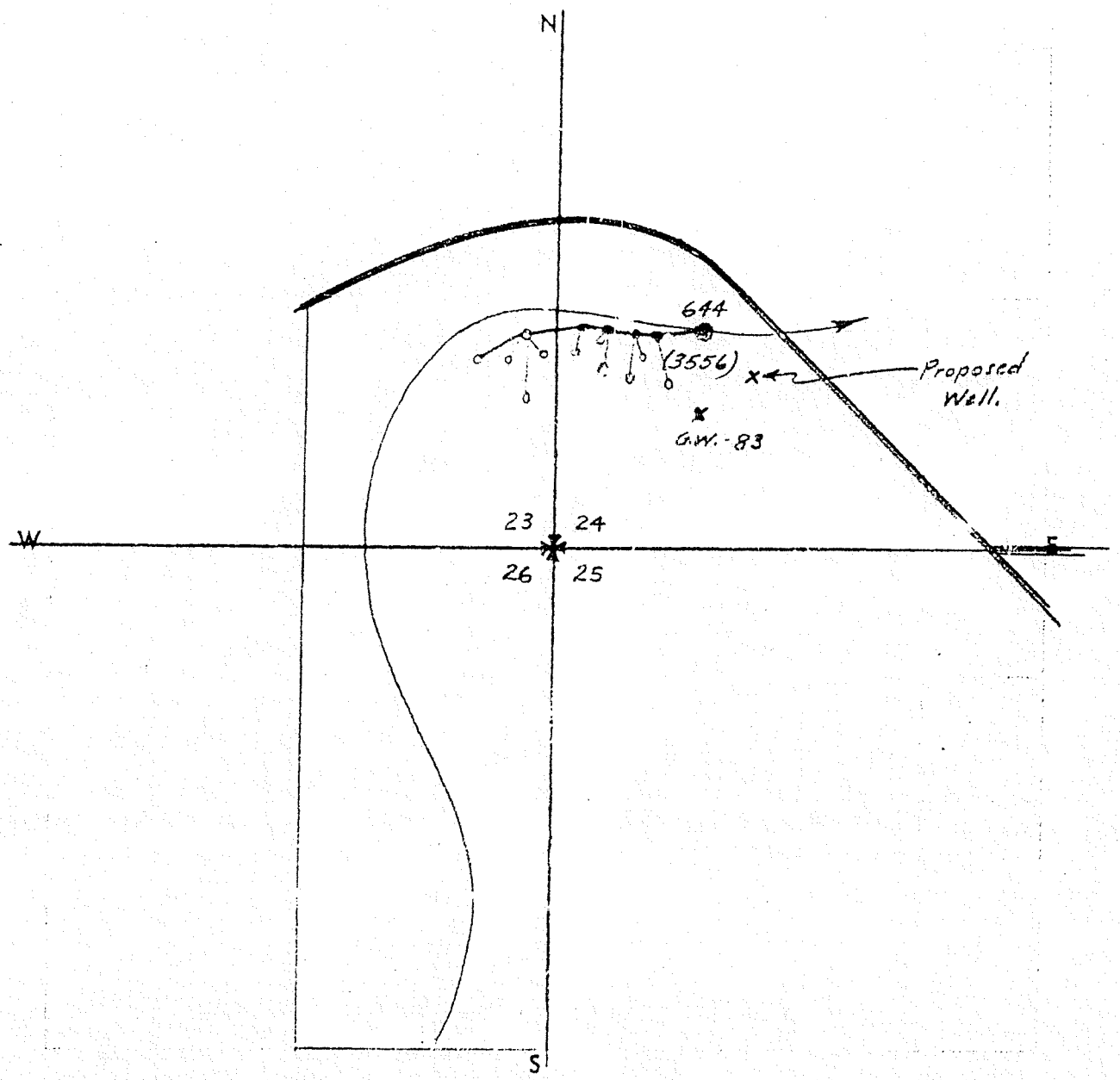
The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Hydraulics affixed this 3rd *day of* April, *19*45

S. F. No. 1854-A—2-51—20M. 27462.

SECTION PLAT

Sec. ..... Twp. 31 ..... N. R. 4 E.



Be sure to show distance and bearing of point of diversion from nearest 40-acre corner. Also traveling directions from nearest town on main highway.

Scale: 1 inch = 800 feet.

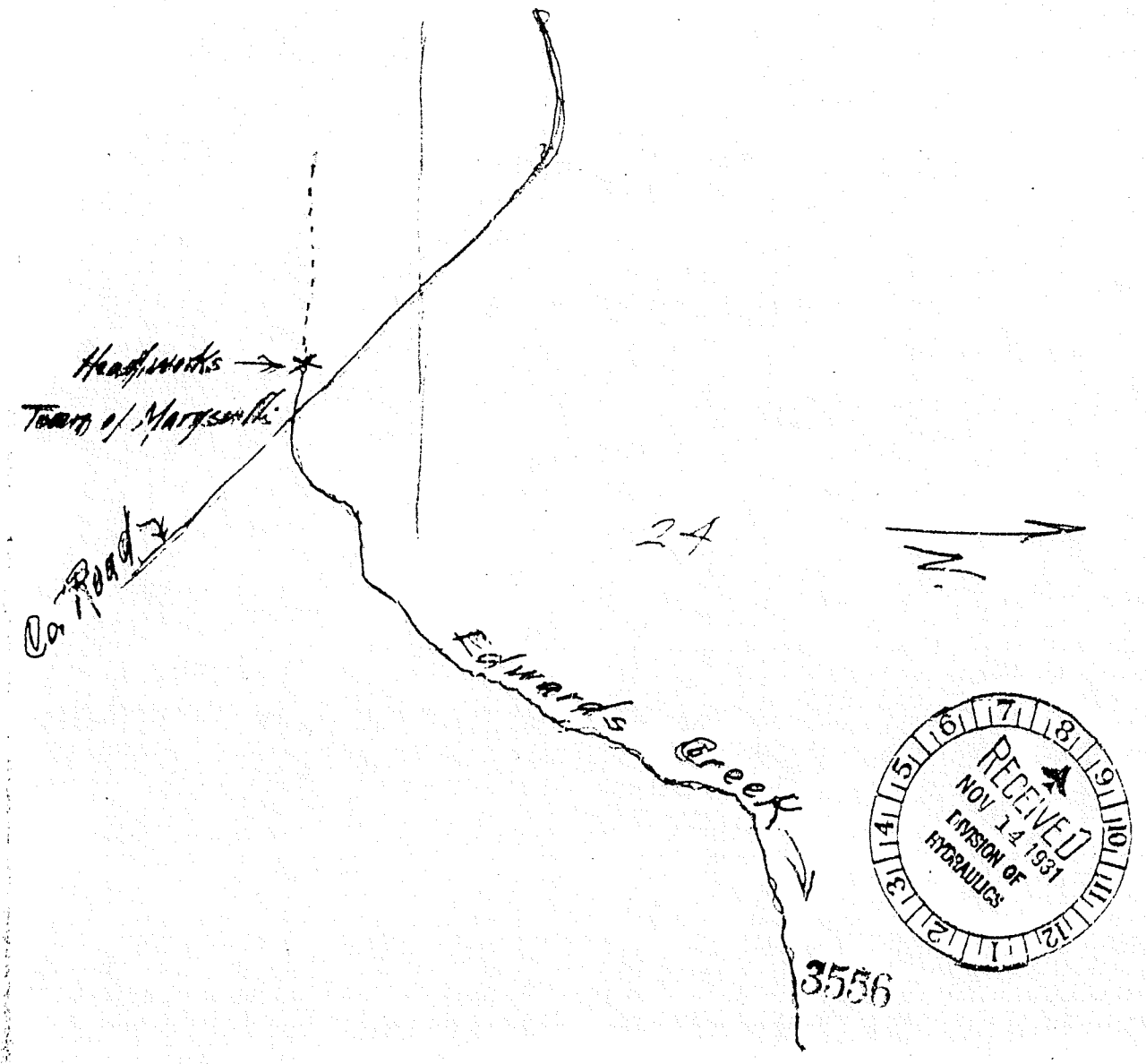
Appl. #644 - Cert. #184 - 0.80 c.f.s.

→ Appl. #3556 - Cert. #2180 - 2.30 c.f.s. states div. pt as N 22° E 1300' from SW Corner of NW¼ Sec. 24. Probably should be from SW Cor. of SW¼.

S. F. No. 1854-A—1930.
Approved as to Form by Dept. of Effic... 9437.

SECTION PLAT SNO... ...ISH COUNTY, WASH.

Sec. 24 Twp. 31 R. 4 E. W.M.



RECEIVED
NOV 14 1931
DIVISION OF
HYDRAULICS

Be sure to show distance and bearing of point of diversion from nearest 40-acre corner. Also traveling directions from nearest town on main highway.

For directions as to how to reach the property please call at the office of the Town Clerk, City Hall, Marysville.

ED. SPRINGS WELL #1
JAN 12, 1946
300 GPM

S. F. No. 7361—10-47—1M. 16559.

CERTIFICATE RECORD No. 1 PAGE No. 286-A

STATE OF WASHINGTON, COUNTY OF Snohomish

Cert 1152

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and the rules and regulations of the State Supervisor of Hydraulics thereunder.

THIS IS TO CERTIFY *That* TOWN OF MARYSVILLE

of Marysville, Washington, *has made proof to the satisfaction of the State Supervisor of Hydraulics of Washington, of a right to the use of the ground waters of a* Well

located within the SW¼ of SW¼ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M.

for the purpose of Municipal supply

under Ground Water Permit No. 47 *issued by the State Supervisor of Hydraulics, and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Hydraulics of Washington and entered of record in Volume* 1 *at page* 286-A; *that the right hereby confirmed dates from* January 12, 1946; *that the quantity of ground water under the right hereby confirmed for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 300 gallons per minute; 160 acre-feet per year

A description of the lands to which such ground water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

The Town of Marysville, Snohomish County, Washington.

The right to the use of the ground water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Hydraulics affixed this 21st *day of* April, *19*49.

Thos. Birkhead

S. F. No. 7354—6-45—5C. 0235.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT
DIVISION OF HYDRAULICS

Permit to Appropriate Public Ground Waters of the State of Washington

Book No. 1 of Ground Water Permits, on page 47 under Application No. 83

TOWN OF MARYSVILLE

of Marysville, Washington

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is January 12, 1946

Source of the proposed ground water appropriation is Well

within ..... area, ... sub-area

..... zone. Name or number of works is .....

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 300 gallons per minute; 160 acre-feet per year, to be used for the following purposes: Municipal supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 500 feet North and 1000 feet East of the Southwest corner of ~~NW¼~~ SW¼ of Sec. 24

being within SW¼ of SW¼ (Amended 7-22-46 and readvertised) ~~SW¼ of NW¼~~ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M.

county of Snohomish

Use, or uses to which water is to be applied:

For municipal supply: 300 gallons per minute; 160 acre-feet per year, to supply The Town of Marysville

For irrigation: ..... gallons per minute; ..... acre-feet per year, for the irrigation of ..... acres.

For miscellaneous uses: ..... gallons per minute; ..... acre-feet per year, for .....

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The Town of Marysville, Snohomish County, Washington

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be drilled and have a diameter of 8 inches, and depth of 150 feet.
(Dug or drilled)

Description of tunnel or infiltration trench:

(Please read carefully provisions below)

Particular specifications required by the Supervisor of Hydraulics for the purpose of preventing waste of public waters:

Construction work shall begin on or before March 1, 1947

and shall thereafter be prosecuted with reasonable diligence and completed on or before March 1, 1948

and complete application of water to proposed use shall be made on or before March 1, 1949

Given under my hand and the seal of this office at Olympia, Washington, this 11th day of March, 19 46

RODNEY RYKER
State Supervisor of Hydraulics.

By: Chas J Bartholet
CHAS. J. BARTHOLET, Deputy

REPORT OF FINDINGS ON GROUND WATER APPLICATION NO. 83

NAME TOWN OF MARYSVILLE

Date of Examination February 18, 1946

Location: SW¼ of NW¼ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M.

Quantity applied for 300 g.p.m. _____ acre-feet per year

Use: Municipal supply

Irrigable acreage: Present _____ Planned _____ Feasible _____

Municipal: Population 1907 as of 1945

Industrial: _____

Type of Works: Well X Infiltration trench _____ Tunnel _____

Dimensions: 8" by 150'

Progress of Works: _____

Time Pump Will Be Operated: Daily

Other Water Rights of Applicant: Surface water right from Edwards Creek 2.3 c.f.s.

Proximity to existing works, springs or streams: 70 ft. from stream bed and 8' above; Springs 50 to 1000 ft. away and 5-20 ft. higher.

Estimated effect of withdrawal of water on existing water rights:

None as well is intended to tap water below spring water and will not affect springs.

Water Bearing Zone: Below spring water zone

RECOMMENDATIONS

Approved for: 300 g.p.m. 160 acre feet per year, subject to existing water rights.

The above well will be used about four months of the year to supplement the spring supply.

Signed this 27th day of March, 1946

Fred B Roberts

FRED B. ROBERTS
Ground Water Geologist
Division of Hydraulics

S. F. No. 7356—6-45—5C. 9238.

RECORD BY WELL DRILLER OR OTHER CONSTRUCTOR OF WORKS FOR WITHDRAWAL OF GROUND WATER

RECEIVED JUL 31 1946 DIVISION OF HYDRAULICS

Under Permit No. G. W. 47

("The well driller or other constructor of works for the withdrawal of public ground waters shall be obligated to furnish the permittee a certified record of the factual information necessary to show compliance with the provisions of this section." Sec. 8, Chap. 263, Laws of 1945.)

1. Town of Marysville, Marysville, Washington
(Name and address of owner of well or other works for withdrawal of water)
2. Nature of works from which water is withdrawn Well
(Well, tunnel, or infiltration trench)
3. Name or number of works (if any)
4. Date on which work on well or other structure was started May 1, 1946
5. Date on which work was completed JULY 10 1946
6. If work on well or other structure was abandoned, give date —
and reason for abandonment —
7. DESCRIPTION OF WORKS:

(a) WELL: Depth 203 ft. Diameter 8 in. or ft. Dug or drilled Drilled
Flowing ~~or pump well~~ 40 G.P.M.

IF PUMP WELL: Type and size of pump is Tested With Air Lift.

Type and size of motor or engine is

Depth from ground surface to water level before pumping Flowing 40 G.P.M. feet above surface

After continuous operation for at least four hours, the measured discharge of the pump is 250 g.p.m., and the drawdown of water level is 40 feet

Date of test July 8. 1946

IF FLOWING WELL: Measured discharge g.p.m., on (Date)

Shut-in pressure at ground surface lbs. per sq. in. on (Date)

Water is controlled by Cap, & Valve outlets
(Cap, valve, etc.)

CASING: (Give diameter, commercial specifications and depth below ground surface of each casing size.)

10 in. diameter 32# Republic Drive Pipe from Surface to 80 ft.
8 in. diameter 25# Republic Drive Pipe from Surface to 208 ft.
in. diameter 6" Test Hole Drilled from 208 to 358 ft.
6" & Pipe Salvaged after test. in. diameter from to ft.

Describe and show depth of shoe, plug, adapter, liner or other details:
8" Pipe Plugged Back to 203' with Steel Capped Piling Plug - Drivers Thru Shoe Into Clay - & 100 H.B. Lead Plug Drilled Solid on top of Steel Plate.

Perforated casing or screens:

180 Perforations - With Mills from to ft.
(Number per foot and size of perforations, or describe screen)
Perforator from 164' to 173' from 164 to 173 ft.
average size 1/4 x 2 from to ft.

LOG OF WELL: (Describe each stratum or formation clearly, indicate if water bearing, and give thickness and depth as indicated.)

MATERIAL	Thickness (Feet)	Depth to Bottom (Feet)
Surface to 60 Wet Sand & gravel.	60	60
60 to 80' Coarse Water Sand & Heavy gravel	20	80
over Flow 65 g.p.m. Estimated Pumping		
capacity after Development 500 g.p.m.		
80' To 96' Med. Sand & gravel	16	96
96' To 102 Clay Hard Pan	6	102
102 to 120' Coarse Water Sand & gravel	18	120
over Flow 20 g.p.m. Estimated Pumping		
capacity after Development 500 g.p.m.		
120' To 150 Tight Clay and Silty Sand Layers	30	150
150' To 164 Med. Sand & Pea gravel	14	164
164 To 174 Coarse Water Sand & Heavy gravel 50-50	10	174
174' To 255 - Tight Clay and Sand Layers.	81	255 [Estimated Yield - 50 g.p.m.
~~255 To 262 Sharp Water Sand 10% Pea gravel~~	7	262
262' To 358 alternate Layers, Clay & Silty Sand	96	358

(b) INFILTRATION TRENCH: Covered or open.....

Dimensions: Length.....ft. Minimum depth.....ft. Maximum depth.....ft.

Bottom width.....ft. Discharge.....g.p.m. Date of test.....

(c) TUNNEL: Type of lining.....

Dimensions: .....
(Length, course, and cross-sectional size)

Position of water bearing stratum with reference to portal of tunnel.....

LOG OF TUNNEL: (Preceding table for log of well may be used if desired. Give footage from portal and character of materials, as pertinent.)

C. E. Miller
(Signature of well driller or other constructor)

.....
(Address)

STATE OF WASHINGTON,
County of Snohomish } ss.

I, C. E. Miller, being first duly sworn, do hereby certify that I am the driller or constructor of the aforesaid well or tunnel or trench who furnished the foregoing statement of facts; that I have read said statement and each and all of the items therein contained are true to the best of my knowledge and belief.

C. E. Miller
(Signature)

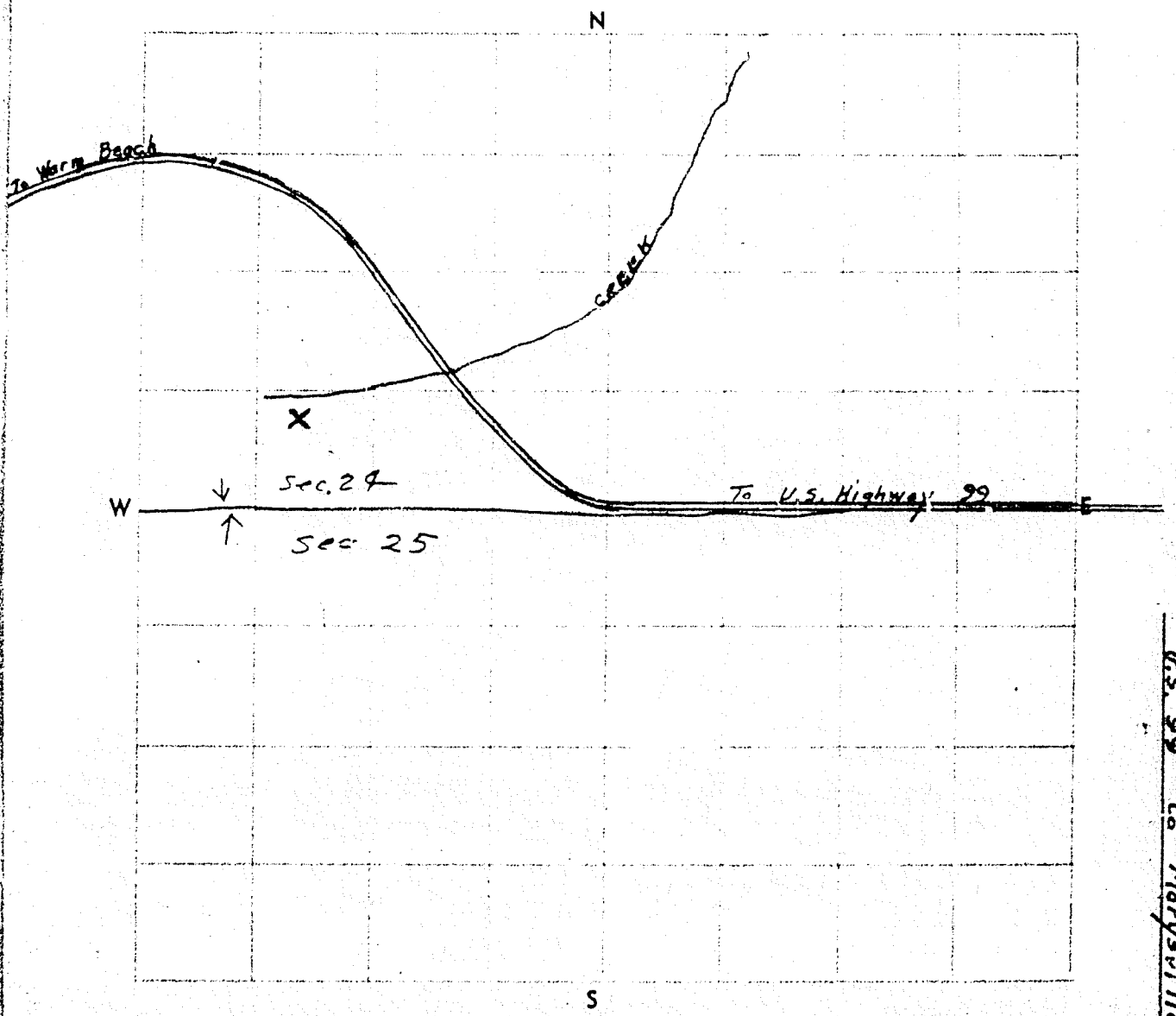
Subscribed and sworn to before me this 22 day of July, 1946

C. Chadwick

S. F. No. 1854-A—6-45—3M. 9183.

SECTION PLAT

Sec. 24 Twp. 31 N. R. 4



Show by a cross (X) the location of the well or other works covered by the application or declaration. Show by circle (O) the locations of other wells or works within a quarter of a mile. Also traveling directions from nearest town on main highway.

Scale: 1 inch = 800 feet.

RECEIVED
JAN 12 1948
DIVISION OF
HYDRAULICS

ED. SPRINGS WELL #1
MARCH 7, 1952
300 GPM

1152

S. F. No. 7361—3-51—1M. 27753.

CERTIFICATE RECORD No 3 PAGE No. 1152-A

STATE OF WASHINGTON, COUNTY OF Snohomish

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 263 Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY THAT TOWN OF MARYSVILLE, WASHINGTON

of ______, *has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the ground waters of a* well

located within the SW¼ of SW¼ of Sec. 34, Twp. 31 N., Rge. 4 E.W.M.

for the purpose of municipal supply

under and subject to provisions contained in Ground Water Permit No. 2224 *issued by the State Supervisor of Water Resources and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume* 3 *at page* 1152-A*, that the right hereby confirmed dates from* March 7, 1952*; that the quantity of ground water under the right hereby confirmed for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 300 gallons per minute; 320 acre-feet per year. ~~xxxxxxxxxxxxxxxxxxxxxxxxxx acres.~~

A description of the lands to which such ground water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

Town of Marysville, Washington.

The right to the use of the ground water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 5th *day of* August, 19 52.

[signature]

State Supervisor of Water Resources

S. F. No. 7354—3-51—75C. 27751.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT
DIVISION OF WATER RESOURCES

Permit to Appropriate Public Ground Waters of the State of Washington

Book No. 5 of Ground Water Permits, on page 2224 under Application No. 2391

TOWN OF MARYSVILLE, WASHINGTON

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is March 7, 1952

Source of the proposed ground water appropriation is A well

within ..... area, ... sub-area

..... zone. Name or number of works is .....

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 300 gallons per minute; 320 acre-feet per year, to be used for the following purposes: municipal supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 500 feet North and 1000 feet East of the Southwest corner of the SW¼ of Sec. 24

being within the SW¼ of SW¼ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M.

county of Snohomish

Use, or uses to which water is to be applied:

For municipal supply: 300 gallons per minute; 320 acre-feet per year, to supply the Town of Marysville.

For irrigation: ..... gallons per minute; ..... acre-feet per year, for the irrigation of ..... acres.

For miscellaneous uses: ..... gallons per minute; ..... acre-feet per year, for .....

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Town of Marysville, Washington

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be drilled and have a diameter of 10 inches, and depth of 173 feet.
(Dug or drilled)

Description of tunnel or infiltration trench:

(Please read carefully provisions below)

Particular specifications required by the Supervisor of Water Resources for the purpose of preventing waste of public waters:

Construction work shall begin on or before Started

and shall thereafter be prosecuted with reasonable diligence and completed on or before Completed

and complete application of water to proposed use shall be made on or before June 1, 1953

Given under my hand and the seal of this office at Olympia, Washington, this 20th day of June, 1952.

Chas. J. Burthout

State Supervisor of Water Resources

Report of Examination on Ground Water

Received date 3-7-52 Date of exam. 4-1-52 Appli. No. 2391

Name Town of Marysville Address City Hall, Marysville, Washington

Type of works well Dimensions 10" x 173'

Progress of works Complete and in use.

Quantity ~~xxxxxxxx~~ applied for 300 g.p.m. 320 acre-feet per year

Legal sub. SW¼ SW¼ Sec. 24 Twp. 31 N. Rge. 4 E. County Snohomish

Use municipal supply

Irrigation-acreage: Present Planned Feasible

Municipal: Population as of

Industrial

Time pump will be operated continuously

Other water rights appurtenant to this land G.W. Cert. #286-A; S.W. Cert. #184, 2180.

Proximity to existing works, springs, wells, or streams Edwards Creek North 75'. Elev. 25' below to stream.

Area Sub-area Zone

RECOMMENDATIONS

Approved for 300 g.p.m. 320 acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

The total withdrawal from all sources held by the Town of Marysville shall not exceed 1120 acre-feet annually, the requirement for a population of 5000 persons.

This application is for additional water from an existing well. Such would place the well on a full time withdrawal basis rather than the standby use now being made of same under G.W. Cert. #286-A.

Issue as recommended subject to existing rights and provisions.

Signed this 26th day of May, 1952.

Fred D. Hahn

FRED D. HAHN
Engineer

8" well 1946

S. F. No. 7356—3-51—5M. 27752.

RETURN TO:
DIV. OF WATER RESOURCES
406 TRANSPORTATION BLDG., OLY[redacted]

RECEIVED
DEPARTMENT OF
CONSERVATION & DEVELOPMENT

RECORD BY WELL DRILLER OR OTHER CONSTRUCTOR OF WORKS FOR WITHDRAWAL OF GROUND WATER

Under Permit No. G. W. 2224

("The well driller or other constructor of works for the withdrawal of public ground waters shall be obligated to furnish the permittee a certified record of the factual information necessary to show compliance with the provisions of this section." Sec. 8, Chap. 263, Laws of 1945.)

1. Town Of Marysville
(Name and address of owner of well or other works for withdrawal of water)

2. Type; name or number of works where water is taken Well
(Well, tunnel or infiltration trench)

3. Date on which work on well or other structure was started April 30, 1946

4. Date on which work was completed June 24, 1946

5. If work on well or other structure was abandoned, give date —

and reason for abandonment —

6. DESCRIPTION OF WORKS:

(a) WELL: Depth 204 ft. Diameter 8 in. or ft. Dug or drilled Drilled

Flowing or pump well Pump

IF PUMP WELL: Type and size of pump is 300 g.p.m. Turbine

Type and size of motor or engine is 7½ H.P. Motor

Depth from ground surface to water level before pumping 20 g.p.m. Flow

After continuous operation for 6 (At least four) hours, the measured discharge of the pump is 300 g.p.m., and the drawdown of water level is 38½ feet

Recovery data (taken after pump has been shut off) (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level

Date of test about June 20, 1952

IF FLOWING WELL: Measured discharge 20 g.p.m. on June 20. (Date)

Shut-in pressure at ground surface ____ lbs. per sq. in. on ____ (Date)

Water is controlled by Flow Line To Tank House (Cap, valve, etc.)

CASING: (Give diameter, commercial specifications and depth below ground surface of each casing size.)

Std. Wt. 10 in. diameter 1 ft above Surface from to 80'-6" ft.

" " 8 in. diameter " " " from to 204 ft.

____ in. diameter from to ft.

____ in. diameter from to ft.

Perforated casing or screen:

183 cuts with Mills Perforator - 165 ft. to 174 ft. 1/4 x 2 1/2 slots, 6 cuts to Row. from 165 to 174 ft.

(Number per foot and size of perforations, or describe screen)

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

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

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

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

LOG OF WELL OR TUNNEL: (Describe each stratum or formation clearly, indicate if water bearing, and give thickness and depth as indicated.)

MATERIAL	Thickness (Feet)	Depth to bottom (Feet)
Peat and Sand	20	20
Med. gray Sand	14	34
" " " 10% Pea. Grav	18	52
" " "	7	59
Loose Water Sand and Grav 20-30	10	69
Med. to Heavy gravel	10	79
Tight gravel Layer & Clay	5	84
Med. Sand & Grav - Clay layers	18	102
Coarse Sand & Med. gravel	20	122
Tight Clay	2	124
Dirty Sand & Clay with Hard layers	40	164
Tight Heavy water grav	12	172
" Blue Clay	36	208

(b) INFILTRATION TRENCH OR TUNNEL: Type .....

Dimensions: .....
(Tunnel—length, course, and cross-sectional size) (Trench—minimum and maximum depths)

Bottom width ..... ft. Discharge ..... g.p.m. Date of test .....

Position of water bearing stratum with reference to portal of tunnel .....

C. E. Miller
(Signature of well driller or other constructor)

1320 Rucker Ave
Everett, Wash
(Address)

STATE OF WASHINGTON,
County of Snohomish } ss.

I, C. E. Miller, being first duly sworn, do hereby certify that I am the driller or constructor of the aforesaid well or tunnel or trench who furnished the foregoing statement of facts; that I have read said statement and each and all of the items therein contained are true to the best of my knowledge and belief.

C. E. Miller
(Signature)

Subscribed and sworn to before me this 30th day of June, 1952

MARCH 7, 1952
500 GPM
EDWARDS SPRINGS WELL #2

S. F. No. 7341—3-53—3M. 34100.

2096

CERTIFICATE RECORD NO. 5 PAGE NO. 2096-A

STATE OF WASHINGTON, COUNTY OF Snohomish

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY *That* TOWN OF MARYSVILLE, WASHINGTON

, *has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the ground waters of a* well

located within the SW¼ of SW¼ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M.

for the purpose of municipal supply

under and subject to provisions contained in Ground Water Permit No. 5223 *issued by the State Supervisor of Water Resources and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume* 5 *at page* 2096-A; *that the right hereby confirmed dates from* March 7, 1952; *that the quantity of ground water under the right hereby confirmed for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 500 gallons per minute; 800 acre-feet per year for municipal supply.

A description of the lands to which such ground water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

The Town of Marysville and adjacent territory.

The right to the use of the ground water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 28th *day of* December, 19 54.

M Walter
State Supervisor of Water Resources.

S. F. No. 7254—3-51—75C. 27751.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT
DIVISION OF WATER RESOURCES

Permit to Appropriate Public Ground Waters of the State of Washington

Book No. 5 of Ground Water Permits, on page 2223 under Application No. 2379

TOWN OF MARYSVILLE, WASHINGTON

~~or~~

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is March 7, 1952

Source of the proposed ground water appropriation is a well

within ..... area, ... sub-area

..... zone. Name or number of works is .....

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 500 gallons per minute; 800 acre-feet per year, to be used for the following purposes: municipal supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 1200 feet East and 500 feet North of Southwest corner of Sec. 24

being within the SW¼ of SW¼ of Sec. 24, Twp. 31 N., Rge. 4 E.W.M.

county of Snohomish

Use, or uses to which water is to be applied:

For municipal supply: 500 gallons per minute; 800 acre-feet per year, to supply the Town of Marysville and adjacent territory.

For irrigation: ..... gallons per minute; ..... acre-feet per year, for the irrigation of ..... acres.

For miscellaneous uses: ..... gallons per minute; ..... acre-feet per year, for .....

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The Town of Marysville and adjacent territory

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be drilled and have a diameter of 10 inches, and depth of 87 feet.
(Dug or drilled)

Description of tunnel or infiltration trench:

(Please read carefully provisions below)

Particular specifications required by the Supervisor of Water Resources for the purpose of preventing waste of public waters:

Construction work shall begin on or before June 1, 1953

and shall thereafter be prosecuted with reasonable diligence and completed on or before December 1, 1953

and complete application of water to proposed use shall be made on or before December 1, 1954

Given under my hand and the seal of this office at Olympia, Washington, this 20th day of June, 1952.

Chas. J. Bartholomew

State Supervisor of Water Resources

Report of Examination on Ground Water

Received date 3-7-52 Date of exam. 4-1-52 Appli. No. 2379

Name Town of Marysville Address Marysville, Washington

Type of works well Dimensions 10" x 87'

Progress of works Not begun

Quantity applied for 500 g.p.m. acre-feet per year

Legal sub. SW¼ SW¼ Sec. 24 Twp. 31 N. Rge. 4 E. County Snohomish

Use municipal supply

Irrigation-acreage: Present Planned Feasible

Municipal: Population as of

Industrial

Time pump will be operated continuously

Other water rights appurtenant to this land S.W. Cert. #184; 2180; G.W. Cert. #286-A

Proximity to existing works, springs, wells, or streams Town of Marysville W. 150'. 50' S. of Edwards Creek, elev. 25' higher. Springs 700' W.

Area Sub-area Zone

RECOMMENDATIONS

Approved for 500 g.p.m. 800 acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

The total withdrawal from all sources held by the Town of Marysville shall not exceed 1120 acre-feet annually, the requirement for a population of 5000 persons.

The applicant will furnish information to this office as to the size and type of equipment installed and the gallons per minute furnished.

The installation of an access port to well, as described in attached Ground Water Bulletin No. 1, is recommended.

The above calculation is based on each person requiring 200 gallons per day, for an estimated population of 5000 by 1960.

Issue as recommended subject to existing rights and provisions.

Signed this 26th day of May, 1952.

Fred D. Hahn

FRED D. HAHN
Engineer

No. 7358—3-51—5M. 27752.

RETURN TO:
DIV. OF WATER RESOURCES
406 TRANSPORTATION BLDG., OLYMPIA

RECORD BY WELL DRILLER OR OTHER CONSTRUCTOR OF WORKS FOR WITHDRAWAL OF GROUND WATER

Under Permit No. G. W. 2223

("The well driller or other constructor of works for the withdrawal of public ground waters shall be obligated to furnish the permittee a certified record of the factual information necessary to show compliance with the provisions of this section." Sec. 8, Chap. 263, Laws of 1945.)

1. Town Of Marysville
(Name and address of owner of well or other works for withdrawal of water)

2. Type; name or number of works where water is taken Well
(Well, tunnel or infiltration trench)

3. Date on which work on well or other structure was started April 16 1952

4. Date on which work was completed May 20 1952

5. If work on well or other structure was abandoned, give date —

and reason for abandonment —

6. DESCRIPTION OF WORKS:

(a) WELL: Depth 131'-6" ft. Diameter 10 in. or ft. ~~Dug or~~ drilled Drilled

Flowing or pump well Pump

IF PUMP WELL: Type and size of pump is 500 g.p.m. Turbine

Type and size of motor or engine is 7 1/2 H.P. Motor

Depth from ground surface to water level before pumping 75 g.p.m. Flow.

After continuous operation for 6 (At least four) hours, the measured discharge of the pump is 300 g.p.m., and the drawdown of water level is 39 feet

Recovery data (taken after pump has been shut off) (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level

Date of test By Air Lift, May. 16. 1952

IF FLOWING WELL: Measured discharge 75 g.p.m. on May 20. 1952 (Date)

Shut-in pressure at ground surface — lbs. per sq. in. on — (Date)

Water is controlled by Flow Line To Tank House. (Cap, valve, etc.)

CASING: (Give diameter, commercial specifications and depth below ground surface of each casing size.)

Std. 10 in. diameter 1 ft. above Surface to 109 ft.

Std. 8 in. diameter Perforated liner from 105 to 131'-6" ft.

in. diameter from to ft.

in. diameter from to ft.

Describe and show depth of shoe, plug, adapter, liner or other details:

Perforated casing or screen:

8" Standard Wt. Pipe from 109 to 131-6 ft.
(Number per foot and size of perforations, or describe screen)

Perforated with 3/16 x 6" Slots from to ft.
on 2" Centers and 1/4 x 6" Slots on from to ft.
2" Centers To Equal 6 times the from to ft.
area of Pipe Per ft. from 'no to ft.

LOG OF WELL OR TUNNEL: (Describe each stratum or formation clearly, indicate if water bearing, and give thickness and depth as indicated.)

MATERIAL	Thickness (Feet)	Depth to bottom (Feet)
Soil and Sand	10	10
Sand and Grav	40	50
Coarse " " "		
Tight Grav. and Layers of Hard Pan	40	90
Water Sand and Grav	9	99
Tight Clay	3	102
Sandy "	3	105
Water Sand and Fine Grav	[redacted]5	110
Coarse Sand and Grav.	10	120
Loose Uniform Med. Grav	12	132
Tight Clay Hard-Pan	2	134

(b) INFILTRATION TRENCH OR TUNNEL: Type ——

Dimensions: ——
(Tunnel—length, course, and cross-sectional size) (Trench—minimum and maximum depths)

Bottom width — ft. Discharge —— g.p.m. Date of test ——

Position of water bearing stratum with reference to portal of tunnel ——

C. E. Miller
(Signature of well driller or other constructor)

1320 Rucker Ave.
(Address) Everett Wn.

STATE OF WASHINGTON.
County of Snohomish } ss.

I, C. E. Miller, being first duly sworn, do hereby certify that I am the driller or constructor of the aforesaid well or tunnel or trench who furnished the foregoing statement of facts; that I have read said statement and each and all of the items therein contained are true to the best of my knowledge and belief.

C. E. Miller
(Signature)

Subscribed and sworn to before me this 30th day of June, 1952

C. H. Rutherford

4013

LAJOY #1 - CEDAR CREST GOLF
MAY 5, 1955
57 GPM

S. F. No. 7341—5-60—3M. 32306.

CERTIFICATE RECORD No. 9 PAGE No. 4155-A

STATE OF WASHINGTON, COUNTY OF Snohomish

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY *That* TOWN OF MARYSVILLE, WASHINGTON

XX, *has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the ground waters of a* well *located within* NW¼NW¼ *Sec.* 26, *Twp.* 30 *N., R.* 5 E. *W. M.,* *for the purpose of* municipal water supply *under and subject to provisions contained in Ground Water Permit No.* 3763 *issued by the State Supervisor of Water Resources and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume* 9 *at page* 4155-A; *that the right hereby confirmed dates from* May 5, 1955; *that the quantity of ground water under the right hereby confirmed for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 57 gallons per minute; 91 acre-feet per year for municipal water supply.

Special provisions required by the Supervisor of Water Resources: The total yearly withdrawal authorized from all sources held by the Town of Marysville shall not exceed 1344 acre-feet; the requirement for a population of 6000 people.

A description of the lands to which such ground water right is appurtenant:

Town of Marysville, Snohomish County, Washington.

The right to the use of the ground water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 23rd *day of* March, 1962.

M. J. Walton

S. F. No. 7354—3-54—5M. 29179.

STATE OF WASHINGTON

DEPARTMENT OF CONSERVATION AND DEVELOPMENT

DIVISION OF WATER RESOURCES

Permit to Appropriate Public Ground Waters of the State of Washington

Book No. 8 of Ground Water Permits, on page 3763 under Application No. 3964

TOWN OF MARYSVILLE, WASHINGTON,

or

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is May 5, 1955

Source of the proposed ground water appropriation is a well

within _____ area, _____ sub-area

_____ zone. Name or number of works is _____

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 57 gallons per minute; 91 acre-feet per year, to be used for the following purposes: municipal water supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 1250 feet East and 350 feet South of Northwest corner of Sec. 26

being within the NW¼ of NW¼ of Sec. 26, Twp. 30 N., Rge. 5 E.W.M.

county of Snohomish

Use, or uses to which water is to be applied:

For municipal supply: 57 gallons per minute; 91 acre-feet per year, to supply the Town of Marysville.

For irrigation: _____ gallons per minute; _____ acre-feet per year, for the irrigation of _____ acres.

For miscellaneous uses: _____ gallons per minute; _____ acre-feet per year, for _____

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Town of Marysville, Snohomish County, Washington.

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be drilled (Dug or drilled) and have a diameter of 10 inches, and depth of 653 feet.

Description of tunnel or infiltration trench:

(Please read carefully provisions below)

Particular specifications required by the Supervisor of Water Resources:

The total yearly withdrawal authorized from all sources held by the Town of Marysville shall not exceed 1344 acre-feet; the requirement for a population of 6000 people.

Construction work shall begin on or before Started

and shall thereafter be prosecuted with reasonable diligence and completed on or before March 1, 1957 Ext 3-1-58 3-1-59 3-1-60 3-1-61 3-1-62

and complete application of water to proposed use shall be made on or before 1963 March 1, ~~1958~~

Given under my hand and the seal of this office at Olympia, Washington, this 26th day of August, 1955.

M G Weeks

State Supervisor of Water Resources

Report of Examination on Ground Water

Received date 5-5-55 Date of exam. 7-15-55 Appl. No. 3984

Name Town of Marysville Address Marysville, Washington

Type of works well Dimensions 10" x 653'

Progress of works Started in that well has been drilled

Quantity ~~claimed or~~ applied for 57 g.p.m. acre-feet per year

Legal sub NW¼ NW¼ Sec. 26 Twp. 30 N. Rge. 5 E. County Snohomish

Use municipal water supply

Irrigation-acreage: Present 6 ~~5000~~ Planned Feasible

Municipal: Population 2693 as of 1955 1965

Industrial

Time pump will be operated continuously

Other water rights appurtenant to this land See below

Proximity to existing works, springs, wells, or streams

Area Sub-area Zone

RECOMMENDATIONS

Approved for 57 g.p.m. 91 acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

At the present time the Town of Marysville holds the following recorded rights:

GROUND WATER

Certificate #286 for 300 g.p.m. and 160 acre-feet per year.
" #1152 for 300 g.p.m. and 320 acre-feet per year.
" #2096 for 500 g.p.m. and 800 acre-feet per year.

SURFACE WATER

Certificate #184 for 360 g.p.m. and 576 acre-feet per year.
" #2180 for 1,035 g.p.m. and 1,656 acre-feet per year.

Under the above rights, the applicant is entitled to a maximum diversion of 3.5928 million gallons per day and a total yearly appropriation of 3,512 acre-feet per year. However, approval of the prior ground water applications was subject to an acre-foot restriction based on an assumed water requirement of 200 gallons per person per day.

In view of the prior rights held by the applicant, permit shall issue subject to the following provision: "The total yearly withdrawal authorized from all sources held by the Town of Marysville shall not exceed 1120 acre-feet annually. The requirement for a population of 5000 people."

It should be noted that at the present time the Town is diverting approximately 1.3 million gallons per day from all sources and a portion of this quantity is discharged unused to the Snohomish River.

The installation of an access port to well as described in attached Ground Water Bulletin No. 1, is recommended.

Signed this 21st day of July, 1955.

Glen H. Fiedler

GLEN H. FIEDLER, Engineer
Division of Water Resources

RETURN TO:
DIV. OF WATER RESOURCES
[illegible]

S. F. No. 7356—1-53—5M. 33590.

RECORD BY WELL DRILLER OR OTHER CONSTRUCTOR OF WORKS FOR WITHDRAWAL OF GROUND WATER

Under Permit No. G. W. 3984 - 3763 -

("The well driller or other constructor of works for the withdrawal of public ground waters shall be obligated to furnish the permittee a certified record of the factual information necessary to show compliance with the provisions of this section." Sec. 8, Chap. 263, Laws of 1945.)

1. Town Of Marysville Sno. Co. Wash.
(Name and address of owner of well or other works for withdrawal of water)

2. Type; name or number of works where water is taken Drilled Well
(Well, tunnel or infiltration trench)

3. Date on which work on well or other structure was started 4/7/1954

4. Date on which work was completed 10/20/1954

5. If work on well or other structure was abandoned, give date —

and reason for abandonment —

6. DESCRIPTION OF WORKS:

(a) WELL: Depth 657 ft. Diameter 6" in. or ft. ~~[illegible]~~ or drilled ✓

Flowing or pump well Pump Water Temp not checked. Estimate, 50°

IF PUMP WELL: Type and size of pump is Not Installed at this date.

Type and size of motor or engine is —

Depth from ground surface to water level before pumping 30 (1-11-55) feet

After continuous operation for 4 (At least four) hours, the measured discharge of the Test pump is 57 g.p.m., and the drawdown of water level is 265 feet

Recovery data (taken after pump has been shut off) (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level
not	checked		

Date of test 1/11/1955

IF FLOWING WELL: Measured discharge — g.p.m. on — (Date)

Shut-in pressure at ground surface — lbs. per sq. in. on — (Date)

Water is controlled by Pipe is Capped - 1' above Surface (Cap, valve, etc.)

CASING: (Give diameter, commercial specifications and depth below ground surface of each casing size.)

10 in. diameter 32# per ft. from 0 to 55 ft.
8 in. diameter 25# " " from 55 to 390 ft.
6 in. diameter 19# " " from 326 to 644 ft.
6" in. diameter "Johnson" Everdur Screen from 644 to 657 ft.

~~Describe and~~ show depth of shoe, plug, adapter, liner or other details:

Perforated casing or screens:

8" Pipe - 112 Cuts 3/8 x 2 (Mills Perforated) from 80 to 106 ft.
(Number per foot and size of perforations, or describe screen)

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

Edward E. Johnson Inc. Everett from ..... to ..... ft.

Screen No. 60 Slot - Closed Bottom from ..... to ..... ft.

11" x 5" Std. Pipe Liner, Packer at Top from 644 to 657 ft.
(13' of Screen Exposed & 5 Sand)

LOG OF WELL OR TUNNEL: (Describe each stratum or formation clearly, indicate if water bearing, and give thickness and depth as indicated.)

MATERIAL	Thickness (Feet)	Depth to bottom (Feet)
Hard Pan	65	65
Water Gravel	1	66
Tight gravel - showing Water Seams	44	110
Clay Hard Pan	64	174
Hard Pan layers - Sandy Clay layers & wood	226	400
Tight Hard Pan	72	472
Hard Pan layers, Sand layers showing Water	78	550
Stiff Blue Clay	52	602
Fine (wet) Silty Sand	31	633
Sharp Gray Water Sand	3	636
Coarse Crushed Granite Sand - 10% fine Sand	21	657
Sandy Clay Bottom	1	658
(Detailed log and screen analysis enclosed with file; Chem. analysis enclosed with file)		

(b) INFILTRATION TRENCH OR TUNNEL: Type ——

Dimensions: ..... (Tunnel—length, course, and cross-sectional size) ..... (Trench—minimum and maximum depths)

Bottom width ..... ft. Discharge ..... g.p.m. Date of test .....

Position of water bearing stratum with reference to portal of tunnel .....

Sec 26 T 30 R 5E

D (40 A) — fm

(Signature of well driller or other constructor)

C. E. Miller

(Address)

1320 Rucker Ave.
Everett Wash.

STATE OF WASHINGTON,

County of ..... } ss.

I, ..., being first duly sworn, do hereby certify that I am the driller or constructor of the aforesaid well or tunnel or trench who furnished the foregoing statement of facts; that I have read said statement and each and all of the items therein contained are true to the best of my knowledge and belief.

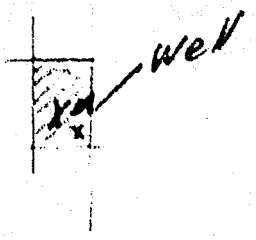
C. E. Miller
(Signature)

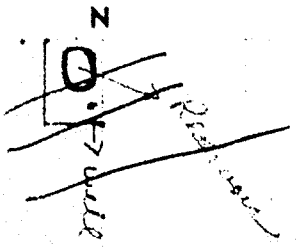
NOTARY

S. F. No. 1834-B—1-53—10M. 33463.

SECTION PLAT

Sec. 26 Twp. 30 N. R. 5





RECEIVED
MAY 5 1955
DIV. OF WATER
RESOURCES

W E

S

Show by a cross (X) the location of the well or other works covered by the application. Show by circle (O) the locations of other wells or works within a quarter of a mile. Also indicate traveling directions from nearest town on main highway.

Scale: 1 inch = 800 feet.

3984

Supersede #1
FEB 14, 1956
1,000 GPM

Cert 3100

S. F. No. 7361—1-57—3M. 47578.

CERTIFICATE RECORD NO. 7 PAGE NO. 3100-A

STATE OF WASHINGTON, COUNTY OF Snohomish

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY *That* TOWN OF MARYSVILLE, WASHINGTON,

~~or~~ ....., *has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the ground waters of a* well *located within* the S½ of Lot 3 *Sec.* 2, *Twp.* 29 *N., R.* 5 E. *W. M.* *for the purpose of* municipal water supply *under and subject to provisions contained in Ground Water Permit No.* 3943 *issued by the State Supervisor of Water Resources and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume* 7 *at page* 3100-A; *that the right hereby confirmed dates from* February 14, 1956; *that the quantity of ground water under the right hereby confirmed for the purposes aforesaid is limited to an amount actually beneficially used for said purposes, and shall not exceed* 1000 gallons per minute; 1344 acre-feet per year for municipal water supply.

A description of the lands to which such ground water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

Town of Marysville, Snohomish County, Washington.

The right to the use of the ground water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 30th *day of* June, *19* 58.

M Walker
State Supervisor of Water Resources.

ENGINEERING DIV.

S. F. No. 7354—8-54—5M. 39179.

STATE OF WASHINGTON

DEPARTMENT OF CONSERVATION AND DEVELOPMENT

DIVISION OF WATER RESOURCES

Permit to Appropriate Public Ground Waters of the State of Washington

Book No. 8 of Ground Water Permits, on page 3943 under Application No. 6221

TOWN OF MARYSVILLE, WASHINGTON

~~or~~

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is February 14, 1956

Source of the proposed ground water appropriation is a well

within ..... area, ... sub-area

..... zone. Name or number of works is .....

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 1000 gallons per minute; 1344 acre-feet per year, to be used for the following purposes: municipal water supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 1400 feet East and 1200 feet South of northwest corner, sec. 2

being within the S½ of Lot 3, sec. 2, T.29 N., R.5 E.W.M.

county of Snohomish

Use, or uses to which water is to be applied:

For municipal supply: 1000 gallons per minute; 1344 acre-feet per year, to supply the Town of Marysville

For irrigation: ..... gallons per minute; ..... acre-feet per year, for the irrigation of ..... acres.

For miscellaneous uses: ..... gallons per minute; ..... acre-feet per year, for .....

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Town of Marysville, Snohomish County, Washington.

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be drilled (Dug or drilled) and have a diameter of 10 inches, and depth of 267 feet.

Description of tunnel or infiltration trench:

(Please read carefully provisions below)

Particular specifications required by the Supervisor of Water Resources:

The total annual withdrawal authorized from all sources shall not exceed 1344 acre-feet.

Construction work shall begin on or before Started

and shall thereafter be prosecuted with reasonable diligence and completed on or before

Completed

and complete application of water to proposed use shall be made on or before

May 1, 1957 - Ext. 5-1-58

Given under my hand and the seal of this office at Olympia, Washington, this 30th day of April, 1956.

M D Walker

State Supervisor of Water Resources

Report of Examination on Ground Water

Received date 2-14-56 Date of exam 3-8-56 Appli. No. 422

Name Town of Marysville, Wash. ~~XXXXX~~ (H.F. Pfromm, Town Clerk)

Type of works well Dimensions 10" X 267'

Progress of works well completed

Quantity ~~XXXXXX~~ applied for 1000 g.p.m. acre-feet per year

Legal sub. S½ Lot 3 Sec. 2 Twp. 29 N. Rge. 5 E. County Snohomish

Use municipal water supply

Irrigation-acreage: Present Planned Feasible

Municipal: Population 6000 as of 1965

Industrial

Time pump will be operated continuously

Other water rights appurtenant to this land G.W. Cert. 286, 1152 & 2096. S.W. Cert. 184 & 2180

Proximity to existing works, springs, wells, or streams none within ½ mile

Area Sub-area Zone

RECOMMENDATIONS

Approved for 1000 g.p.m. acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

At the present time the Town of Marysville holds the following recorded rights:

Ground Water
- Certificate #286 for 300 g.p.m. limited to 160 acre-feet per year
- Certificate #1152 for 300 g.p.m. limited to 320 acre-feet per year
- Certificate #2096 for 500 g.p.m. limited to 800 acre-feet per year
- Permit #3763 for 57 g.p.m. limited to 91 acre-feet per year

Surface Water
- Certificate #184 for 360 g.p.m. limited to 576 acre-feet per year
- Certificate #2180 for 1035 g.p.m. limited to 1656 acre-feet per year

Thus a total diversion and withdrawal of 3603 acre-feet per year is authorized under the above instruments.

The total requirements for a municipal population of 6000 based on a per capita daily consumption of 200 gallons, is equal to 1344 acre-feet annually.

Therefore, permit should issue for a continuous withdrawal of up to 1000 g.p.m. and limited to the maximum requirement of 1344 acre-feet annually, with the

provision that "the total annual withdrawal authorized from all sources shall not exceed 1344 acre-feet.

Signed this 10th day of April, 1956.

Stuart E. Shumway

STUART E. SHUMWAY, Engineer
Division of Water Resources

RETURN TO:
DIV. OF WATER RESOURCES
406 TRANSPORTATION BLDG., OLYMPIA

Summaries
RECEIVED
DEPARTMENT OF CONSERVATION
JUN 16 1958

A. F. No. 7336—1-53—5M. 33500.

RECORD BY WELL DRILLER OR OTHER CONSTRUCTOR OF WORKS FOR WITHDRAWAL OF GROUND WATER

Under Permit No. G. W. 3943 - app no. 4221

AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

("The well driller or other constructor of works for the withdrawal of public ground waters shall be obligated to furnish the permittee a certified record of the factual information necessary to show compliance with the provisions of this section" Sec. 8, Chap. 263, Laws of 1945.)

1. City of Marysville
(Name and address of owner of well or other works for withdrawal of water)

2. Type; name or number of works where water is taken No 1. Well
(Well, tunnel or infiltration trench)

3. Date on which work on well or other structure was started Nov. 20, 1955

4. Date on which work was completed Feb. 10, 1956.

5. If work on well or other structure was abandoned, give date —

and reason for abandonment —

6. DESCRIPTION OF WORKS:

(a) WELL: Depth 267 ft. Diameter 10 in. or ft. Dug or drilled Drilled

Flowing or pump well Pump.

IF PUMP WELL: Type and size of pump is 1000 g.p.m. Turbine

Type and size of motor or engine is —

Depth from ground surface to water level before pumping 130 feet

After continuous operation for 4 (At least four) hours, the measured discharge of the pump is 450 g.p.m., and the drawdown of water level is 10 feet

Recovery data (taken after pump has been shut off) (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level
—	—	—	—

Date of test Feb. 3, 1956

IF FLOWING WELL: Measured discharge — g.p.m. on — (Date)

Shut-in pressure at ground surface — lbs. per sq. in. on — (Date)

Water is controlled by — (Cap, valve, etc.)

CASING: (Give diameter, commercial specifications and depth below ground surface of each casing size.)

12 in. diameter Std. W.T. + from Surface to 160 ft.

10 in. diameter " " " from " to 221 ft.

10 in. diameter Screen & Liner from 221 to 267 ft.

in. diameter from to ft.

Describe and show depth of shoe, plug, adapter, liner or other details:

Perforated casing or screens:

Ed E Johnson Inc. Everdur from ..... to ..... ft.
(Number per foot and size of perforations, or describe screen)

Screen-no 60 from 221 to 267 ft.

5x8" Pipe Extension Liner from ..... to ..... ft.

on Top, 3'x8" Blank Bottom from ..... to ..... ft.

Liner from 264 to 267 ft.

LOG OF WELL OR TUNNEL: (Describe each stratum or formation clearly, indicate if water bearing, and give thickness and depth as indicated.)

MATERIAL	Thickness (Feet)	Depth to bottom (Feet)
Hard Pan	120	120
Sandy Clay	40	160
Stiff Blue "	40	200
Hard Pan Clay	18	218
Coarse Sand &		
Med Gravel 30-50		
Laced with Layers of		
Tight Hard Pan	49	267

(b) INFILTRATION TRENCH OR TUNNEL: Type .....

Dimensions: .....
(Tunnel—length, course, and cross-sectional size) (Trench—minimum and maximum depths)

Bottom width ..... ft. Discharge ..... g.p.m. Date of test .....

Position of water bearing stratum with reference to portal of tunnel .....

.....
(Signature of well driller or other constructor)

C. E. Miller
(Address)

STATE OF WASHINGTON,
County of ..... } ss.

I, ..., being first duly sworn, do hereby certify that I am the driller or constructor of the aforesaid well or tunnel or trench who furnished the foregoing statement of facts; that I have read said statement and each and all of the items therein contained are true to the best of my knowledge and belief.

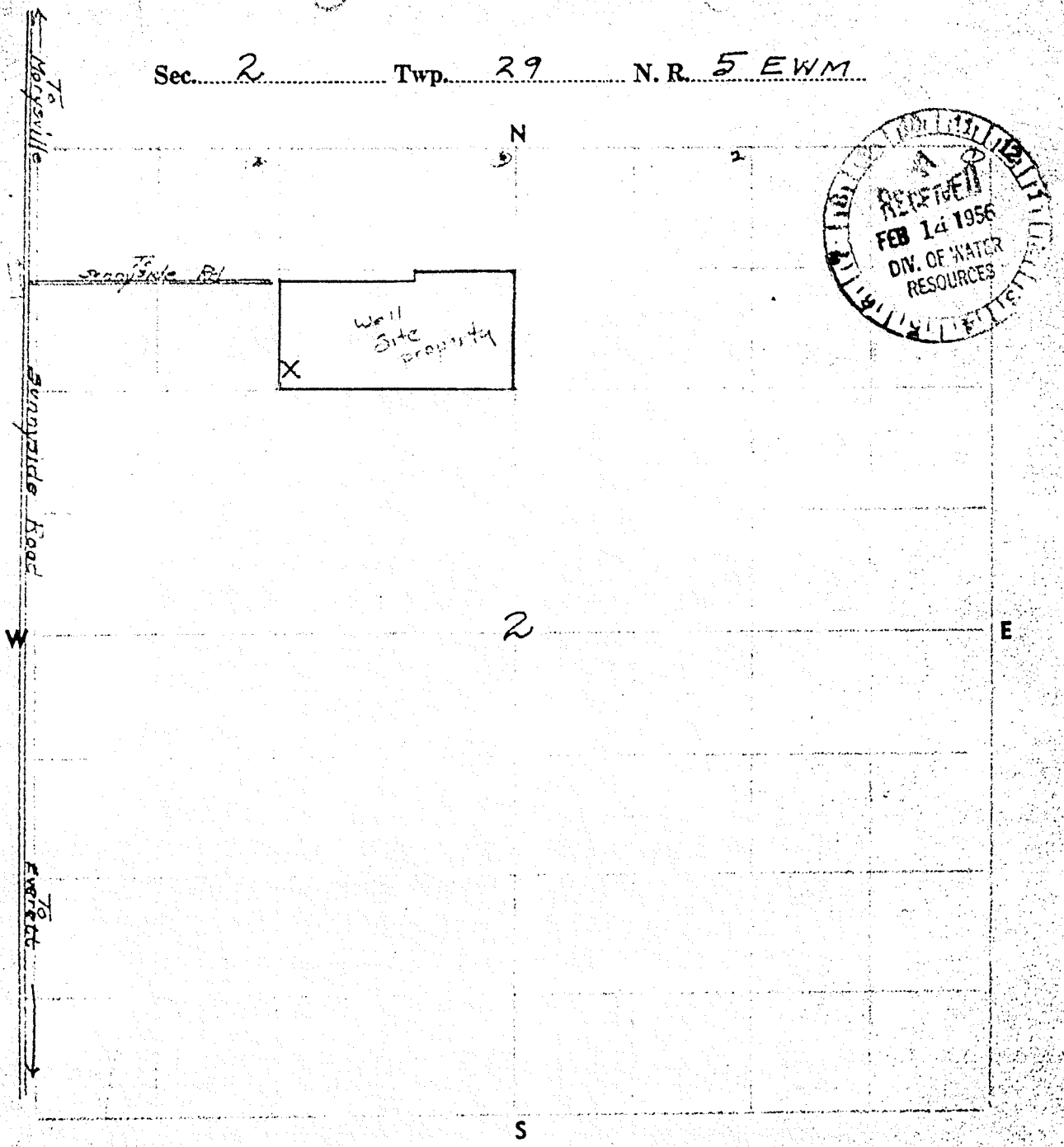
NOTARIZATION

.....
(Signature)

S. F. No. 1834-B—1-53—10M. 33465.

SECTION PLAT

Sec. 2 Twp. 29 N. R. 5 EWM



RECEIVED FEB 14 1956 DIV. OF WATER RESOURCES

Show by a cross (X) the location of the well or other works covered by the application. Show by circle (O) the locations of other wells or works within a quarter of a mile. Also indicate traveling directions from nearest town on main highway.

Scale: 1 inch = 800 feet.

4221

S. F. No. 7361—1-64—3M. 83360.

SUNNYSIDE #2
JULY 27, 1964
1,000 GPM

CERTIFICATE RECORD NO. 11 PAGE NO. 5469-A

STATE OF WASHINGTON, COUNTY OF Snohomish

Cert 5469

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 163, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY *That* THE CITY OF MARYSVILLE

of Marysville, Washington, *has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the ground waters of a* well

located within Government Lot 3

Sec. 2, *Twp.* 29 *N., R.* [illegible] *W.M.,*

for the purpose of municipal supply

under and subject to provisions contained in Ground Water Permit No. 6864 *issued by the State Supervisor of Water Resources and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume* 11 *at page* 5469-A; *that the right hereby confirmed dates from* July 27, 1964; *that the quantity of ground water under the right hereby confirmed for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 1000 gallons per minute; 1176 acre-feet per year for municipal supply.

Special provisions required by the Supervisor of Water Resources: The total withdrawal under this right shall not exceed 1176 acre-feet per year, less any amount diverted to this use under existing rights.

A description of the lands to which such ground water right is appurtenant:

City of Marysville, Marysville, Washington.

The right to the use of the ground water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 22nd *day of* July, 19 66

[illegible signature]

A. F. N. 1354—OS—1-63

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

Permit to Appropriate Public Ground Waters of the State of Washington

Book No. 14 of Ground Water Permits, on page 6664 under Application No. 7276

THE CITY OF MARYSVILLE

of Marysville, Washington

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is July 27, 1964

Source of the proposed ground water appropriation is a well

within _____ area, _____ sub-area

_____ zone. Name or number of works is _____

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 1,500 gallons per minute; 117.6 acre feet per year, to be used for the following purposes: Municipal supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 710 feet west and 893 feet south from north quarter corner of Sec.2

being within Government Lot 3, Sec.2, T.29 N., R.5 E.W.M.

county of Snohomish

Use, or uses to which water is to be applied:

For municipal supply: 1,500 gallons per minute; ~~117.5~~ 117.6 acre-feet per year, to supply a population of 7,000 as of 1980.

For irrigation: _____ gallons per minute; _____ acre-feet per year, for the irrigation of _____ acres.

For miscellaneous uses: _____ gallons per minute; _____ acre-feet per year, for _____

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

CITY OF MARYSVILLE, Marysville, Washington

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be drilled (Dug or drilled) and have a diameter of 12 inches, and depth of 250 feet.

Description of tunnel or infiltration trench:

(Please read carefully provisions below)

Particular specifications required by the Supervisor of Water Resources: The total withdrawal under this right shall not exceed 1,176 acre-feet per year, less any quantity diverted to this use under existing rights.

Construction work shall begin on or before Started

and shall thereafter be prosecuted with reasonable diligence and completed on or before

January 1, 1965

and complete application of water to proposed use shall be made on or before

January 1, 1967

Given under my hand and the seal of this office at Olympia, Washington, this 14th day of January, 1965.

M G Walker

State Supervisor of Water Resources

Report of Examination on Ground Water

Received date July 27, 1964 Date of exam. September 16, 1964 Appli. No. 7276

Name City of Marysville Address Marysville, Washington

Type of works a well Dimensions 16" x 219'

Progress of works being drilled (219'), setting screen (SWL: 130')

Quantity applied for 1,500 g.p.m. acre-feet per year

Government Legal sub. Lot 3 Sec. 2 Twp. 29 N. Rge. 5 E.W.M. County Snohomish

Use Municipal supply

Irrigation-acreage: Present Planned Feasible

Municipal: Population 7,000 as of 1980

Industrial

Time pump will be operated continuously

Other water rights appurtenant to this land G.W. Cert. 3100 (see findings for other rights)

Proximity to existing works, springs, wells, or streams City of Marysville, south 52° west 575 feet; Tidemann, south 31° west 860 feet.

Area Sub-area Zone

RECOMMENDATIONS

Approved for 1,500 g.p.m. ~~117.6~~ 1176 acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

The City of Marysville presently enjoys title to water under the following recorded rights:

Ground Water Certificate No.				286:	300 gpm	and 160 acre-feet per year
"	"	"	"	1152:	300	320
"	"	"	"	2096:	500	800
"	"	"	"	3100:	1000	1344
"	"	"	"	4155:	57	91
Surface Water Certificate No.				184	0.80 cfs (360 gpm)	and 576 acre-feet
"	"	"	"	2180	2.30 (1035 gpm)	1656

The water requirements for municipal supply is calculated on the basis of a per capita consumption of 0.168 acre-feet per year (150 gallons per day), or a total of 1,176 acre-feet annually for a projected 1980 population of 7,000 persons.

1600 AF/yr

(over)

Therefore permit shall issue as supplemental to the extent that "the total withdrawal under this right shall not exceed 1.176 acre-feet per year, less any quantity diverted to this use under existing rights."

The installation of an access port to well as described in attached Ground Water Bulletin No. 1 is recommended.

Use of the waters to be appropriated under this application will be for a public water supply. State Board of Health rules require every owner of a public water supply to obtain written approval from the State Director of Health prior to any new construction or alterations of a public water supply. The applicant is advised to contact the Washington State Department of Health, Fourth Floor, Public Health Building, Olympia, with regard to the need for compliance.

Signed at Olympia, Washington
on this 20 day of November, 1964.

D. Molenaar
[illegible], Geologist
Division of Water Resources

WATER WELL REPORT
STATE OF WASHINGTON

File Original and First Copy with the Division of Water Resources
Second Copy — Owner's Copy
Third Copy — Driller's Copy

Application No. 7276
Permit No. 6864

(1) OWNER:
Name City of Marysville
Address City Hall, Marysville, Eash

(2) LOCATION OF WELL: Sunnyside Well #2
County Snohomish Owner's number, if any-
S, ½ govt. lt. 3 ¼ Section 2 T. 29N R. 5EWM W.M.
Bearing and distance from section or subdivision corner
~~1 mile W. 3/4m. N of Frontier Village~~
710' W. & 825' S. of N¼ cor. sec. 2

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

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

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

(6) CASING INSTALLED: Threaded ☐ Welded ☐
16" Diam. from 0 ft. to 338 ft. Gage 74 lb
16" pulled back to 318 ft. Gage 3/8" plus
" Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? ☐ Yes ☒ No
Type of perforator used
SIZE of perforations
Additional remarks; Well was first screened and tested at 218 ft.
This area presaturated by well 150 ft.
away, and not not a virgin aquifer.
Except to break bldrs water at 170 ft.
the tools were never in the hole
from 170 ft depth, except for 218 ft.
~~to 228 ft, bailed down.~~

(8) SCREENS: Well screen installed ☒ Yes ☐ No
Manufacturer's Name Johnson
Type Stainless Model No.
Diam. 15" Slot size 60 Set from 318 ft. to 338 ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? ☒ Yes ☐ No To what depth? 20 ft.
Material used in seal— Cement
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 132 ft. below land surface Date Jan 13/65
Artesian pressure lbs. per square inch Date
Water is controlled by (Cap, valve, etc.)

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? H.O. Meyer DRCo
Yield 1220 gal./min. with 39.5 ft. drawdown after 4 hrs.
" 1050 " 33 " 4 "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level
4:15	160	4:27	132
4:15½	153	From 4:15-4:20 Pumped at	
4:20	152	640 g.p.m.-4:20-4:25 pmpd.	
4:25	142	320 g.p.m.	

Date of Jan. 13/65
Bailer test 65 gal./min. with 0 ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? ☒ Yes ☐ No

(12) WELL LOG: Diameter of well 16 inches.
Depth drilled 338 ft. Depth of completed well 338 ft.
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top soil	0	2
sand, gr. and some sed	2	29
Br. sd. and gr. hardpan	29	35
lt. tan HP. sdy. cl. little gr	35	42
crse gr. wet	42	46
dry rusty crse gr	46	55
crse gr and pea gr. sm sd	55	85
Br. sand and clay	85	98
sm. br. cl. silty sd and gr.	98	109
grey silt fne sd and gr	109	136
blue clay 136-150 bl. cl & gr	136	160
sd. fne gr and silt crse gr	160	178
fne & crse sd, med & crse g	178	205
crse sand and gr.	205	218
Blue grey Hardpan	218	226
br. sand & gr	226	236
grey bl. sand and crse gr	236	285
grey crse sd. and gr	285	338

Work started 8/17/64 19 Completed 1/14/65 19

(13) PUMP:
Manufacturer's Name
Type: H.P.

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. H.O. Meyer Driller

NAME H.O. Meyer Drilling Co (Person, firm, or corporation) (Type or print)
Address 6424 Lake Wash. Blvd. N.E. Kirkland Wash
[Signed] H.O. Meyer (Well Driller)
License No. 223-02-7583580 Date Jan 21, 1965

(USE ADDITIONAL SHEETS IF NECESSARY)

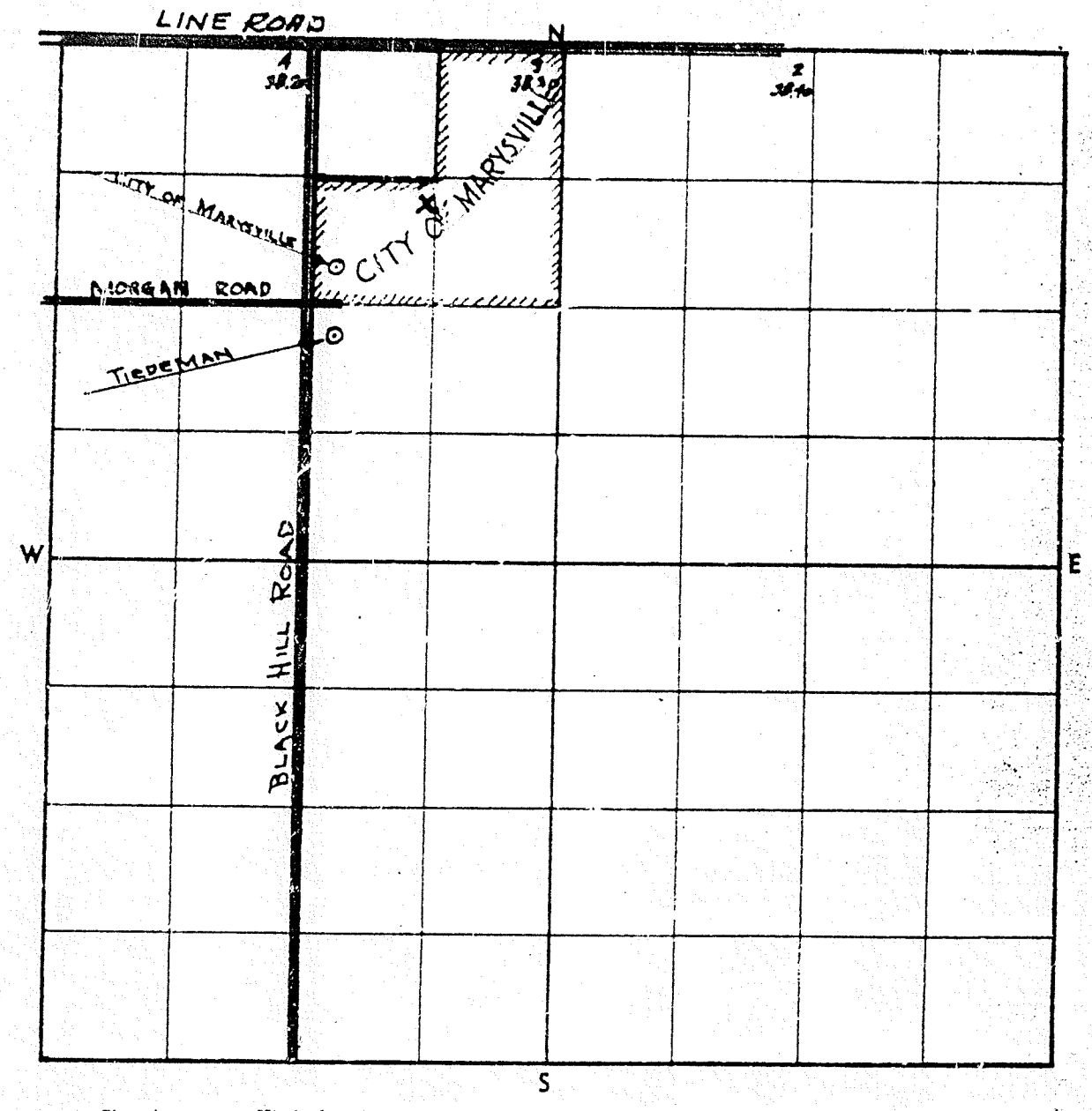
S. F. No. 7356—(Rev. 9-62)—8-62—5M. 75168.

OK WPL

S. F. No. 1334-B—OS—5-60—10M

SECTION PLAT

Sec. 2 Twp. 29N N. R. 5 E. W.M.



Show by a cross (X) the location of the well or other works covered by the application. Show by circle (O) the locations of other wells or works within a quarter of a mile. Also indicate traveling directions from nearest town on main highway.

Scale: 1 inch = 800 feet.

Follow Third Street and "Sunnyside Road" easterly and southerly from intersection of Third and State Streets in Marysville 2.6 miles to Morgan Road. Turn left (east) on Morgan Road to Black Hill Road and southwest corner of City property. Road ends opposite existing well and pump station. (Obtain keys from Water Superintendent to enter watershed property.)

7276

S. F. No. 7361—(Rev. 6-70)

CERTIFICATE RECORD NO. 14, PAGE NO. 6980-A

LAKE GOODWIN #1
JUNE 19, 1967
550 GPM
Cert 6980

STATE OF WASHINGTON, COUNTY OF Snohomish

CERTIFICATE OF GROUND WATER RIGHT

(Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology thereunder.)

THIS IS TO CERTIFY *That* CITY OF MARYSVILLE

of Marysville, Washington, *has made proof to the satisfaction of the Department of Ecology of a right to the use of the public ground waters of the State of Washington from* a well

located within NW¼SE¼SW¼

Sec. 22, *Twp.* 31 *N., R.* 4 E. *W.M.,*

for the purpose(s) of municipal supply

under and specifically subject to provisions contained in Ground Water Permit No. 8276

issued by the Department of Ecology and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the Department of Ecology and entered of record in Volume 14 *at page* 6980-A; *that the priority of the right hereby confirmed dates from* June 19, 1967; *that the quantity of ground water under the right hereby confirmed for the aforesaid purposes, is limited to an amount actually beneficially used for said purposes, and shall not exceed* 550 gallons per minute, 880 acre-feet per year, during entire year, for municipal supply.

A description of the lands to which such ground water right is appurtenant is as follows:

City of Marysville.

The right to use of water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390 and 90.44.020.

This certificate of ground water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and seal of this office at Olympia, Washington, this 2nd *day of* September, *19* 70.

JOHN A. BIGGS, *Director*
Department of Ecology

Engineering Data

Glen H. Kadler

S. F. No. 1334—OS—6-67.

STATE OF WASHINGTON
DEPARTMENT OF WATER RESOURCES
DIVISION OF WATER MANAGEMENT

Permit to Appropriate Public Ground Waters of the State of Washington

Book No. 17 of Ground Water Permits, on page 3276 under Application No. 8803

CITY OF MARYSVILLE

of Marysville, Washington

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is June 19, 1967

Source of the proposed ground water appropriation is a well

within area. sub-area

zone. Name or number of works is

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 2000 gallons per minute; 3225 acre-feet per year, to be used for the following purposes: municipal supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 1203 feet west and 1138 feet north from south quarter corner of Sec. 22

being within NW¼SE¼SW¼ of Sec. 22, T. 31 N., R. 4 E.W.M.

county of Snohomish

Use, or uses to which water is to be applied:

For municipal supply: 2000 gallons per minute; 3225 acre-feet per year, to supply City of Marysville continuously each year

For irrigation: gallons per minute; acre-feet per year, for the irrigation of acres.

For miscellaneous uses: gallons per minute; acre-feet per year, for

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

City of Marysville

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be drilled (Dug or drilled) and have a diameter of 16 inches, and depth of 450 feet.

Description of tunnel or infiltration trench:

Please read carefully provisions below)

Particular specifications required by the Department of Water Resources for the purpose of preventing waste of public waters: 1) Issued as a primary right for 1768 acre-feet per year and as a supplemental right for 1437 acre-feet per year, the total annual withdrawal and diversion from all rights shall not exceed 3600 acre-feet. 2) The installation of an access port as described in attached Ground Water Bulletin No. 1 shall be required prior to issuance of final Certificate of Water Right.

Construction work shall begin on or before February 1, 1969

and shall thereafter be prosecuted with reasonable diligence and completed on or before

February 1, ~~1970~~ 2-1-71

and complete application of water to proposed use shall be made on or before

February 1, ~~1971~~

Given under my hand and the seal of this office at Olympia, Washington, this 19th day of January, 1968

Fred D. Hahn Deputy Director

For Assistant Director
Division of Water Management
Department of Water Resources

Report of Examination on Ground Water

Received date June 19, 1967 Date of exam. August 22, 1967 Appli. No. 8803

Name City of Marysville Address Marysville, Washington

Type of works a well Dimensions 16" x 450'

Progress of works Not started

Quantity applied for 2000 g.p.m. 3225 acre-feet per year

Legal sub NW¼SE¼SW¼ Sec. 22 Twp. 31 N. Rge. 4 E. County Snohomish

Use Municipal supply

Irrigation-acreage: Present Planned Feasible

Municipal: Population 25,000 as of 1980

Industrial

Time pump will be operated Continuously

Other water rights appurtenant to this land See below

Protest: Seven Lakes Water Association - August 21, 1967

Proximity to existing works, springs, wells, or streams

1700 feet northeast of Lake Goodwin

Area Sub-area Zone

RECOMMENDATIONS

Approved for 2000 g.p.m. 3225 acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

The protest to approval of this application was in the form of a letter bearing the signature of Arne Christophersen, Acting President of the Seven Lakes Water Association. Accompanying the letter was a map prepared by Lee Johnson and Associates showing the proposed pipeline system for their Water Association. Grounds for protest are that approval of this application for 2000 gallons per minute will seriously jeopardize the water supply available in the area.

The protest was received after the writer left the office on the field trip.

On October 19, 1967, Mr. William R. Smith of this office contacted a representative of Seven Lakes' Water Association and Neal F. Carefoot of Lee Johnson and Associates and discussed with them their grounds for objection to this application. The Seven Lakes Water Association is in the formative stage in that they have no system; the only work they have done is the preliminary engineering survey by their consulting firm. They have not made any formal application to this office for ground water rights prior to this filing.

(cont'd)

REPORT OF EXAMINATION ON GROUND WATER - Application No. 8803 - City of Marysville

At the well site is an existing deep well drilled in 1958 by an oil company. Logging of the well did not start until the 519-foot depth. However, it has been reported that a substantial water supply was encountered between the 350 and 450-foot depth.

There are no recorded ground water rights within one-half mile of applicant's well site.

The Washington State Water Code states that, subject to existing rights, all waters within the state belong to the public and any right thereto and any use thereof could only be acquired by appropriation for a beneficial use as provided in this law. In accordance with the doctrine of prior appropriation the Code provided that, as between appropriators, the first in time shall be the first in right.

Inasmuch as the Seven Lakes Water Association has no prior ground water rights with this office, their objections do not constitute grounds for rejection of this application.

I, therefore, recommend that this application be approved for 2000 gallons per minute, 3225 acre-feet per year, based on continuous pumping at the approved instantaneous rate.

Following is a tabulation of existing rights held by the applicants:

Record Number	Rate	Acre-feet/Year (primary)	Acre-feet/Year (supplemental)
S. W. Cert. No. 184	360 G.P.M. (0.80 c.f.s.)	576	
S. W. Cert. No. 2180	1035 G.P.M. (2.30 c.f.s.)	1656	
G. W. Cert. No. 286	300		160
G. W. Cert. No. 1152	300		320
G. W. Cert. No. 2096	500		800
G. W. Cert. No. 3100	1000		1344
G. W. Cert. No. 4155	57		91
G. W. Cert. No. 5469	1000		1156
G. W. Perm. No. 7389	1000	1600	
	5552	3832	3871

The water requirement for municipal supply in Western Washington is based on a per capita demand of 200 gallons per day. For the projected population of 25,000 persons by 1980, the water requirement would be 5600 acre-feet per year.

Inasmuch as applicants hold title to 3832 acre-feet per year as primary rights, permit will issue as follows: "Issued as a primary right for 1768 acre-feet per year and as a supplemental right for 1457 acre-feet per year, the total annual withdrawal and diversion from all rights shall not exceed 5600 acre-feet."

The legal notice of publication of this application contained an error in that the place of withdrawal was listed as the "NE¼SE¼SW¼" instead of "NW¼SE¼SW¼". Because of this error, a new notice has been prepared and forwarded to applicants. The "amended" notice corrects a publication error and does not alter the intent of this application in any way.

During the required statutory time for processing an amended publication notice, it is recommended that a temporary permit to appropriate ground water under Application No. 8803

be granted, as outlined in RCW 90.03.250. This temporary permit will authorize withdrawal by the applicant under his own responsibility until such time as the statutory requirements be completed in the processing of Ground Water Application No. 8803 for permit, filed June 19, 1967. This temporary permit shall be valid only during the pendency of this application for a permit, unless sooner revoked.

Approval of this application is further contingent to the following provisions:

The installation of an access port as described in attached Ground Water Bulletin No. 1 shall be required prior to issuance of final Certificate of Water Right. The applicant may, for his own convenience, wish to install an air-line and gage in addition to the access port.

Use of the waters to be appropriated under this application will be for a public water supply. State Board of Health rules require every owner of a public water supply to obtain written approval from the State Director of Health prior to any new construction or alterations of a public water supply. The applicant is advised to contact the Washington State Department of Health, 304 Public Health Building, Olympia, with regard to the need for compliance.

Signed at Olympia, Washington
this 6 day of December, 1967

DEAN WOOD, Water Resources Inspector
Division of Water Management

FINDINGS OF FACT AND DECISION

Upon review of the above report, I find that all facts relevant and material to the subject application have been thoroughly investigated. Furthermore, I find that water is available for appropriation for beneficial use and the appropriation thereof as recommended in the foregoing report will not impair existing rights or be detrimental to the public welfare. It is, therefore, ORDERED, that subject to existing rights, a temporary permit issue under Ground Water Application Number 8803 for the appropriation of 2000 gallons per minute, 3225 acre-feet per year of ground water continuously for municipal supply in accordance with the examiner's conclusions and recommendations.

Furthermore, unless additional data, which would modify the Report of Examination, become available during the pendency of this application, permit shall issue automatically upon payment of statutory fees after the statutory requirements concerning the amended publication have been fulfilled.

Signed at Olympia, Washington
this 8th day of December, 1967

FRED D. HAHN, Deputy Director
Division of Water Management

File Original and First Copy with the Division of Water Resources
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No. 8276

(1) OWNER: Name City of Marysville Address City Hall, Marysville, Wash.

(2) LOCATION OF WELL: County Snohomish NW - SE ¼ SW ¼ Sec. 22 T. 31 N., R. 4E W.M.

Bearing and distance from section or subdivision corner 1203' W & 1138' N from South quarter corners of 22

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)

New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 16 inches.
Drilled 700 ft Depth of completed well 452 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 20 " Diam. from 0 ft. to 277 ft.
Threaded ☐ 16 " Diam. from 0 ft. to 438 ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: 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.

Screens: Yes ☒ No ☐
Manufacturer's Name [illegible]
Type Stainless Model No.
Diam. 16 Slot size 100 from 437 ft. to 452 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 21 ft.
Material used in seal Concrete
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 133 ft. below top of well Date [illegible]
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 600 gal./min. with ft. drawdown after 12 hrs
" 350 " " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 8-2-68
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

ON WRD

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top soil	0	12
Hardpan & boulders	12	73
Clay, sand & gravel	73	122
Hardpan	122	130
Dirty sand - some gravel	130	136
Clay, sand & gravel	136	140
Hardpan	140	154
Sand & gravel, some water	154	164
Clay, sand & gravel	164	180
Dirty sand	180	267
Coarse sand & clay	267	275
Clay, sand & gravel	275	298
Sand & clay	298	306
Sand, gravel & clay	306	318
Sticky grey clay	318	342
Sticky grey clay & gravel	342	354
Sticky blue clay	354	373
Hardpan	373	404
Grey clay	404	420
Grey clay & pea gravel	420	423
Grey clay	423	440
Sand & gravel - some water	440	454
Blue clay	454	458
Sticky blue clay	458	582
Hard shale & sticky clay	582	587
Sticky blue clay	587	693
Hard sandy blue clay	693	700

Work started [illegible], 19 Completed 3/12/68, 19

WELL DRILLER'S STATEMENT:

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

NAME Richardson Well Drilling Co., Inc. (Person, firm, or corporation) (Type or print)

Address [illegible], Tacoma, Wash. 98444

[Signed] [signature] (Well Driller)

License No. 223-02-6500 Date July 20, 1970

(USE ADDITIONAL SHEETS IF NECESSARY)

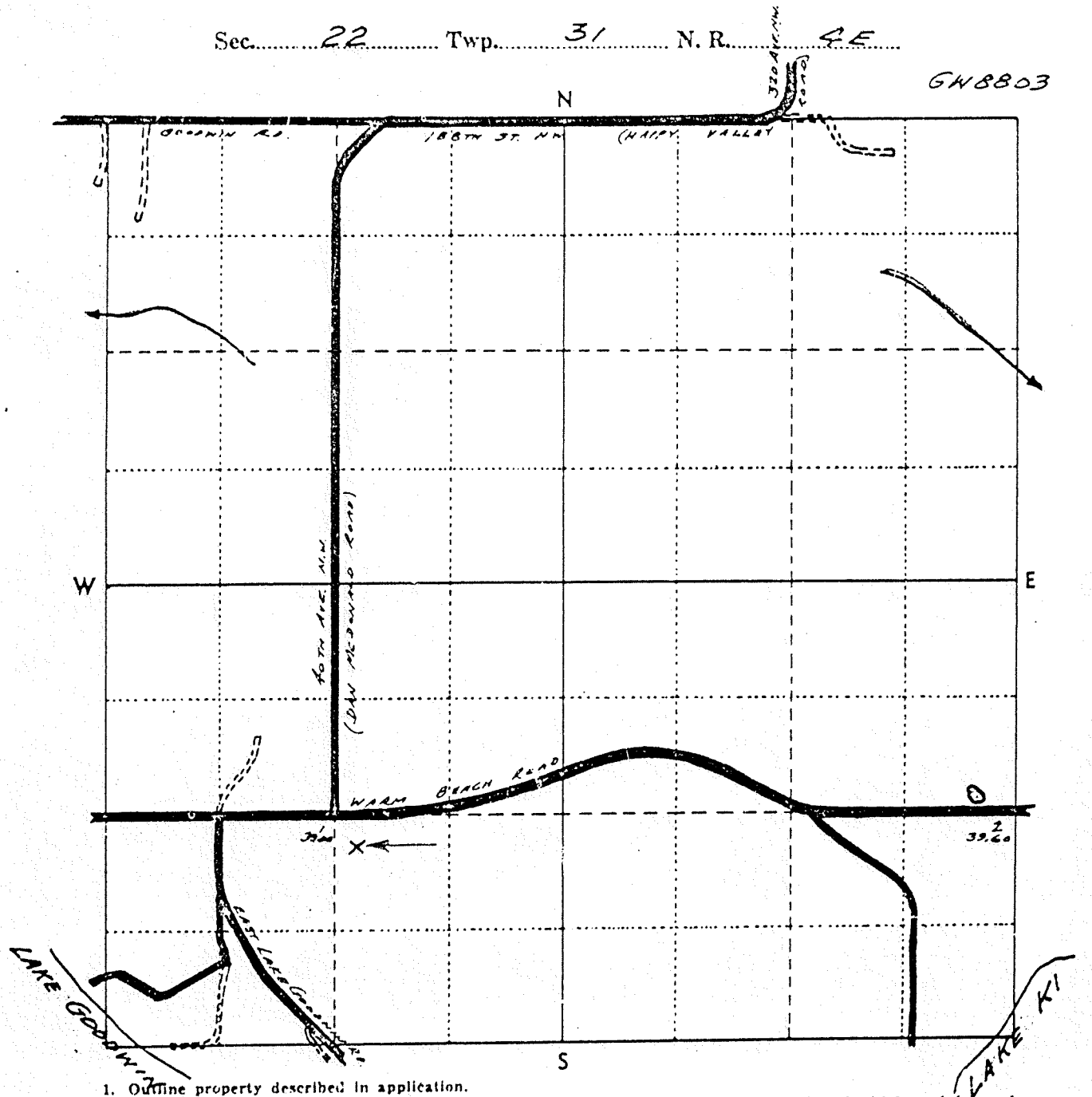
S. F. No. 7356—(Rev. 2-66)—2-66—5M 4516

S. F. No. 1834-A—OS

SECTION PLAT

Sec. 22 Twp. 31 N. R. 4E

GW8803



1. Outline property described in application.
2. Show by a cross (X) the location of point of diversion (surface water source) or point of withdrawal (ground water source). For ground water applications, show by a circle (O) the locations of other wells or works within a quarter of a mile.
3. Indicate traveling directions from nearest town.

OFFICE / Scale: 1 inch = 800 feet (each small square = 10 acres) STANWOOD, 7½'

STILLAGUAMISH (RAND)
JULY 14, 1970
2250 GPM

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

Cert 10741

[x] Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

[ ] Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
July 14, 1970	11070	10741P	G1-00675C

NAME
CITY OF MARYSVILLE

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
City Hall	Marysville	Washington	98270

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown.

PUBLIC WATER TO BE APPROPRIATED

SOURCE
Well (156" diameter, 50' deep)

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	2250	3600

QUANTITY, TYPE OF USE, PERIOD OF USE
Municipal supply - continuously

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION—WITHDRAWAL
730 feet south and 730 feet west of the northeast corner of Sec. 3

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M.	W.R.I.A.	COUNTY
Govt Lot 1	3	31	5 E	5	Snohomish

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by the city of Marysville.

PROVISIONS

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at *Washington, this* 31 *day of* July, *19* 78

Department of Ecology

ENGINEERING DATA

S. F. No. 7354—(Rev. 6-70)

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Permit to Appropriate Public Waters of the State of Washington

Book No. 22 of Ground Water Permits, on page 10741 under Application No. 11070

CITY OF MARYSVILLE

of Marysville, Washington

is, pursuant to the Report of Examination which has been accepted by the applicant, hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights and to the limitations and provisions set out herein.

Priority date of this permit is July 14, 1970

Source(s) of the proposed ground water appropriation is/~~are~~ a ranney well

The quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed ~~7000~~ 2250 gallons per minute; ~~11,202~~ 3,600 acre-feet per year, to be used for the following purposes: municipal supply, as more definitely set out below.

Approximate location(s) of the point(s) of withdrawal is/~~are~~ 730 feet south and 730 feet west of the northeast corner Sec. 3

being within Government Lot 1 and existing bed of the Stillaguamish River

of Sec. 3, Twp. 31 N., Rge. 5 E. W.M., Snohomish County.

The use, or uses, to which water is to be applied:

~~Domestic~~/municipal supply: 7000 gallons per minute; 11,202 acre-feet per year, during entire year.

Irrigation: gallons per minute; acre-feet per year from to , each year, for the irrigation of acres.

Other use(s): gallons per minute; acre-feet per year, from to each year, for

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served By the City of Marysville

ADDITIONAL LIMITATIONS AND PROVISIONS: The installation and maintenance of an access port as described in Ground Water Bulletin No. ' shall be required prior to issuance of final Certificate of Water Right.

Issued as a primary right for 7841 acre-feet per year and as a supplemental right for 3361 acre-feet per year. The total diversion and withdrawal under all rights not to exceed 13,441 acre-feet per year.

Nothing in this permit shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including those administered by local agencies under the Shoreline Management Act of 1971.

DESCRIPTION OF PROPOSED WORKS:

The well will be dug (Dug or Drilled) and have a diameter of 156 inches, and depth of 50 feet.

Description of tunnel or infiltration trench: .....

DEVELOPMENT SCHEDULE:

Construction work shall begin on or before April 1, 1973 4-1-75 4-1-77 4-1-79

and shall thereafter be prosecuted with reasonable diligence and completed on or before

April 1, 1974 76

and complete application of water to proposed use shall be made on or before

April 1, 1975 80

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or fail to give notice to the Department of Ecology on forms provided by that Department documenting such compliance.

Given under my hand and the seal of this office at Olympia, Washington, this 7th

day of April 19 72

JOHN A. BIGGS, *Director*
Department of Ecology

Report of Examination on Ground Water

Received date July 14, 1970 Date of exam October 27, 1970 Appli. No. 11070

Name City of Marysville Address City Hall, City Park, Marysville WA 98270

Type of works A ranney well Dimensions 156" x 50'

Progress of works Not started

Quantity applied for 7000 g.p.m. acre-feet per year

Lot 1 and existing bed of the Stillaguamish River

Legal sub. Govt. / Sec. 3 Twp. 31 N. Rge. 5 E. County Snohomish

Use Municipal supply

Irrigation-acreage: Present Planned - Feasible

Municipal: Population 60,000 as of 1980

Industrial

Time pump will be operated Continuously

Other water rights appurtenant to this land See below

Proximity to existing works, springs, wells, or streams Arlington Sand and Gravel Company, northwest 1000'±

Area Sub-area Zone

RECOMMENDATIONS

Approved for 7000 g.p.m. 11,202 acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

Use of the waters to be appropriated under this application will be for a public water supply. State Board of Health rules require every owner of a public water supply to obtain written approval from the Assistant Secretary, Division of Health prior to any new construction or alterations of a public water supply. The applicant is advised to contact the Washington State Division of Health, Public Health Bldg. No. 4, Thurston Airdustrial Center, Olympia, with regard to the need for compliance.

Based on an estimated per capita demand of 200 gallons per day the annual water required for the estimated population of 60,000 is 13,441 acre-feet.

The following existing rights are held by the applicant for municipal supply.

Number	Rate	AF/YR (Primary)	AF/YR (Supplemental)
Surface Water Cert. No. 184	360 gpm (0.8 cfs)	576	
Surface Water Cert. No. 2180	1035 gpm (2.3 cfs)	1656	
Ground Water Cert. No. 286	300 gpm		160
Ground Water Cert. No. 1152	300 gpm		320
Ground Water Cert. No. 2096	500 gpm		800
Ground Water Cert. No. 3100	1000 gpm		1344
Ground Water Cert. No. 4155	57 gpm		91
Ground Water Cert. No. 5469	1000 gpm		1156
Ground Water Cert. No. 7389	1000 gpm	1600	
Ground Water Cert. No. 6980	2000 gpm	1768	1457
	7552 gpm	5600	5328

The total quantity that can be obtained by continuous pumping at 7000 gallons per minute is 11,202 acre-feet per year.

In as much as the applicant holds title to 5600 acre-feet per year as a primary right the permit will issue with the following provision: "Issued as a primary right for 7841 acre-feet per year and as a supplemental right for 3361 acre-feet per year. The total diversion and withdrawal under all rights not to exceed 13,441 acre-feet per year."

A Flood Control Zone permit from this Department will be required in addition to the appropriation permit obtained under this filing prior to beginning construction of the project.

Additionally, the permit when issued shall carry the following provision: "Nothing in this permit shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including those administered by local agencies under the Shoreline Management Act of 1971."

Signed at Olympia, Washington,
this 21 day of JAN, 1972.

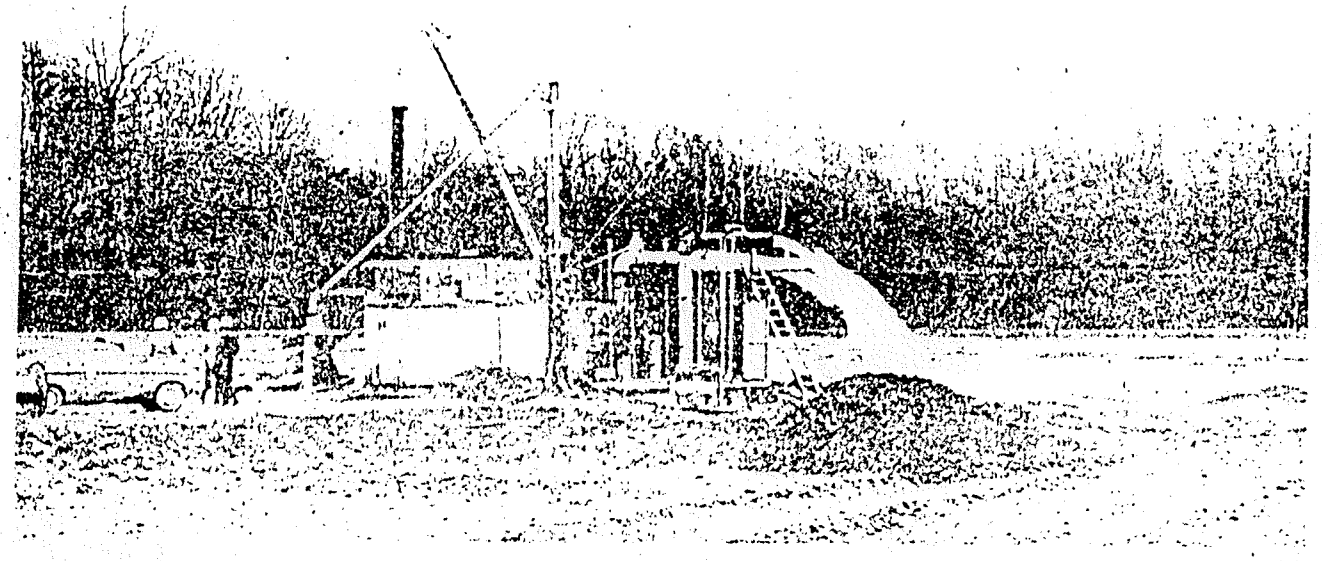
BA Cameron

BRUCE A. CAMERON, Engineer
Department of Ecology

globe

MARYSVILLE, SNOHOMISH COUNTY, WASHINGTON 98270

Vol. 87, No. 3 Wednesday, January 18, 1978



TEST PUMPING OPERATIONS ON STILLAGUAMISH RIVER

On Stillaguamish

Marysville river well tested

By Bob Buttke

A 48-hour testing period ended Tuesday morning, on the new Marysville "well" which taps water from the Stillaguamish River at the Arlington Sand and Gravel site. The testing continuously sucked water from the river bed and back to the river.

According to Fred C. Mikels president of Ranney Method, one of three firms hired to do the well work, three 100 h.p. electric pumps were in operation, pushing out 8,000 gallons per minute.

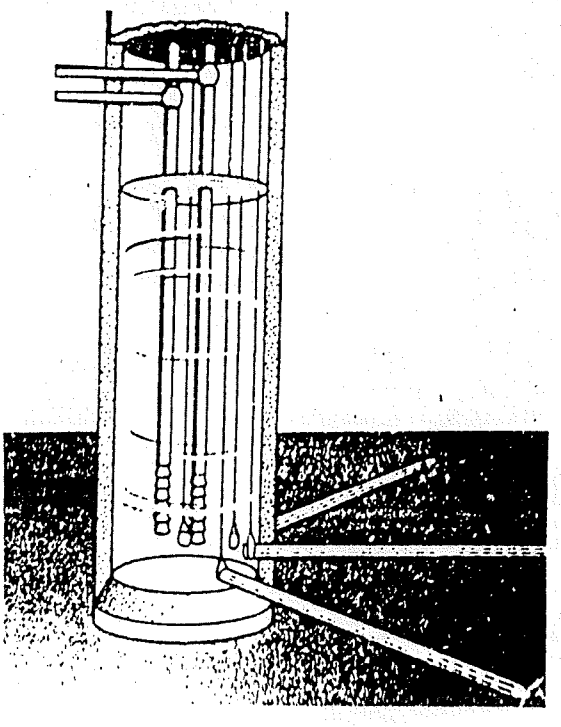
City Administrator Ken Hall said the city's water rights on the river are up to 10 million gallons per day, but that about 8 million gallons per day will be utilized for the Marysville system.

The new system is slated to be completed by April 1, with controls, surge tank and chlorinator yet to be finished.

Feasibility of such a river well has been under study and testing for some time by the city, since it was determined that the city's water supply was short of meeting its needs by 1.5 million gallons per day. When completed, the new supply will tie in with present water system near Smokey Point.

The 38 foot well draws water through filtering pipes beneath the river gravel, which is said to be the best natural filtering system there is. Concrete caissons 13 feet wide are sunk down, and when the project is completed, a sealed top will be covered with gravel making the well meet shoreline permit requirements.

The city had earlier sought $1.6 million through the drought relief program of the Federal Economic Development Administration for the additional water supply. The monies were for an $800,000 grant and a 40 year loan of $800,000 at five percent interest.



File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

31/05-3 A

Application No. 11070
Permit No. 10741

(1) OWNER: Name CITY OF MARYSVILLE Address CITY HALL, MARYSVILLE, WA. 98270

(2) LOCATION OF WELL: County Snohomish, Stillaquamish River NE ¼ NE ¼ Sec. 3 T 31 N., R 5E W.M.

Bearing and distance from section or subdivision corner 4479.4' north and 694.4' west of SE corner Sec. 3

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) RANNEY COLLECTOR

New well ☒ Method: Dug ☒ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☒

(5) DIMENSIONS: ~~Diameter of well~~ SEE NOTE inches.
Drilled ..... ft Depth of completed well ..... ft.

(6) CONSTRUCTION DETAILS: SEE NOTE

Casing installed: ..... " Diam. from ..... ft. to ..... ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☐ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☐ SEE NOTE
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.

Screens: Yes ☐ No ☐
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☐ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☐ No ☐ To what depth? ~~MXN.N.A.~~
Material used in seal .....
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name By others
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level 42 MSL ft.
Static level 41.4 MSL ft. below top of well Date 1-15-78
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 7,515 gal./min. with 12.4 ft. drawdown after 48 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 1-15-to 1-17-78
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water 45°F Was a chemical analysis made? Yes ☒ No ☐
(Attached)

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown medium to coarse sand, medium gravel (to 4")	0	22
Grey medium to coarse sand, medium to large gravel (to 5")	22	35
Blue clay and gravel	35	

NOTE:
This well is a Ranney Collector. The reinforced concrete caisson has an inside diameter of 13 feet and an outside diameter of 16 feet. The construction elevations are as follows:

	MSL
Top of caisson	44.5
Low river level	41.0
℄ horizontal laterals	13.0
Top of plug	11.0
Cutting shoe	7.0

A total of 530 lineal feet of 10 3/4" O.D. horizontal screen laterals were installed in seven laterals ranging in length from 72 to 100 feet. Slot size is 0.375" by 2.000", (keystone). There are 108 slots per foot of pipe and 20 percent open screen area.

Work started 10-24 19 77 Completed 1-21 1978

WELL DRILLER'S STATEMENT:

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

NAME Ranney Method Western Corporation (Person, firm, or corporation) (Type or print)

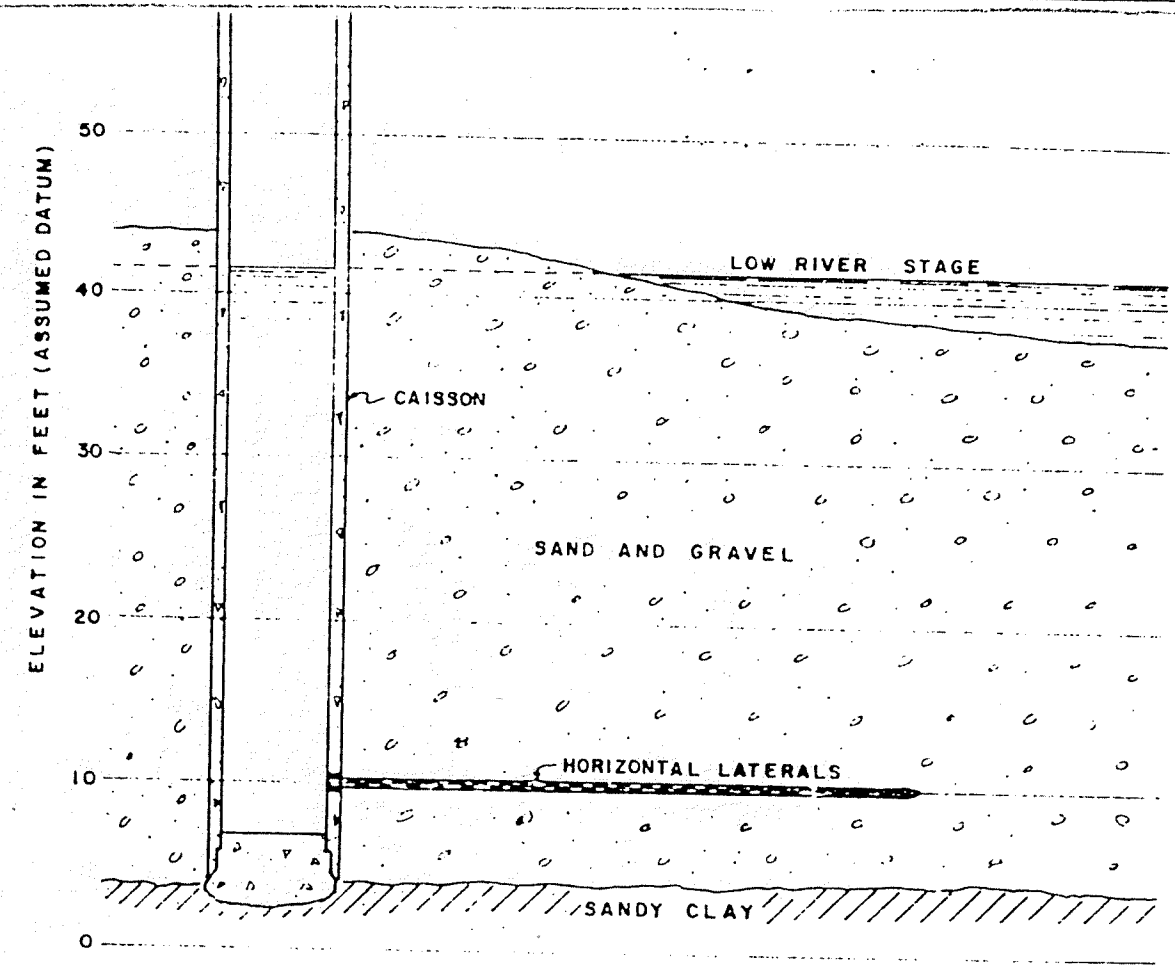
Address Box 6387, Kennewick, Wa., 99336

[Signed] Frederick C. Mulch (Well Driller)

License No. 0831 Date 2-18- , 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

UCC-050-1-20



SECTION

Horiz: 1" = 20'

Vert: 1" = 10'

RANNEY METHOD
WESTERN CORPORATION
KENNEWICK, WASHINGTON

SURVEY FOR
CITY OF MARYSVILLE
WASHINGTON

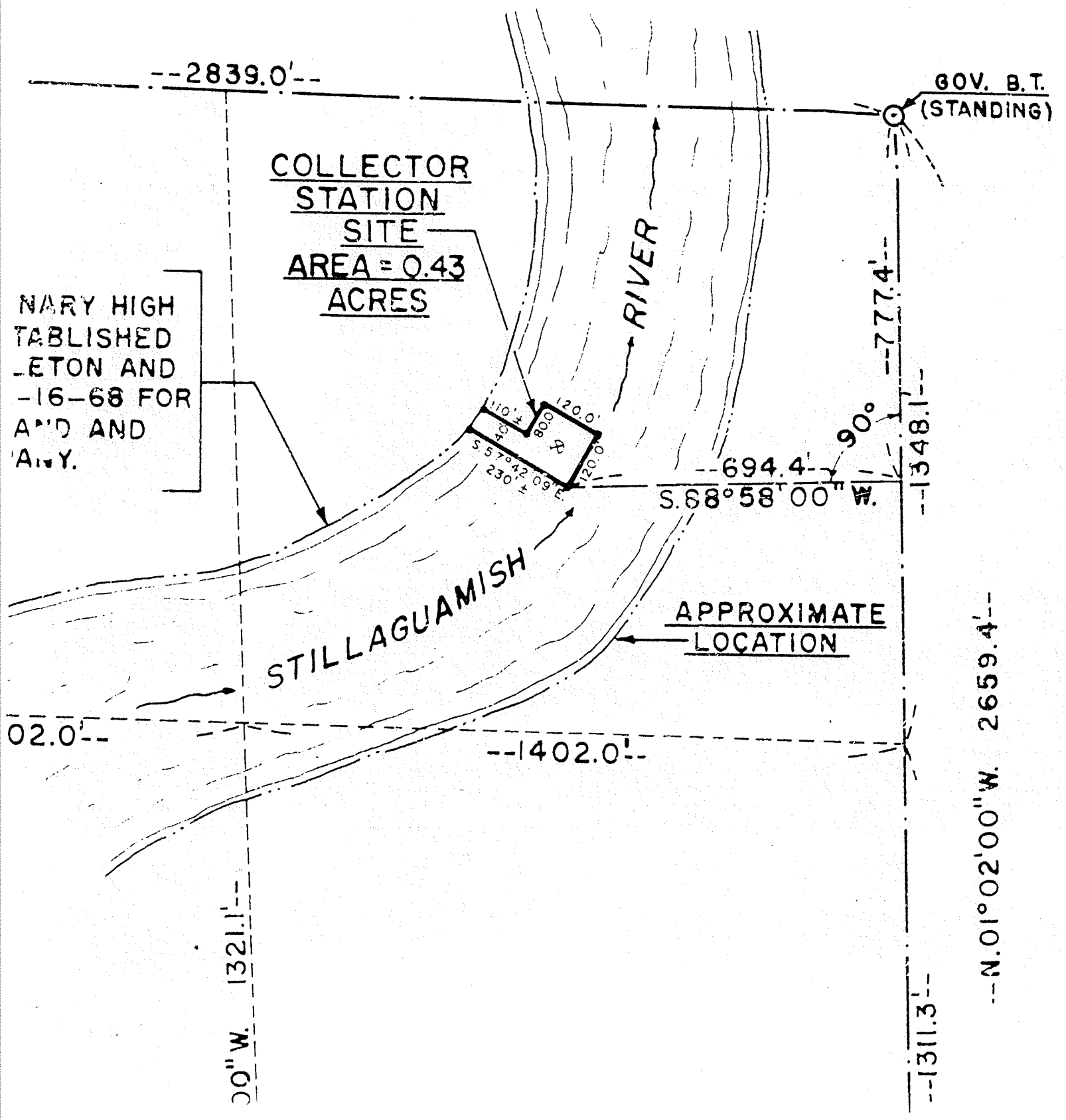
PROPOSED
RANNEY COLLECTOR
INSTALLATION

11070

NOTE:

ASSUMED DATUM IS TOP OF 2-INCH PIPE AT T.H. 7 ASSUMED TO BE ELEVATION 50.00.

ASHINGTON



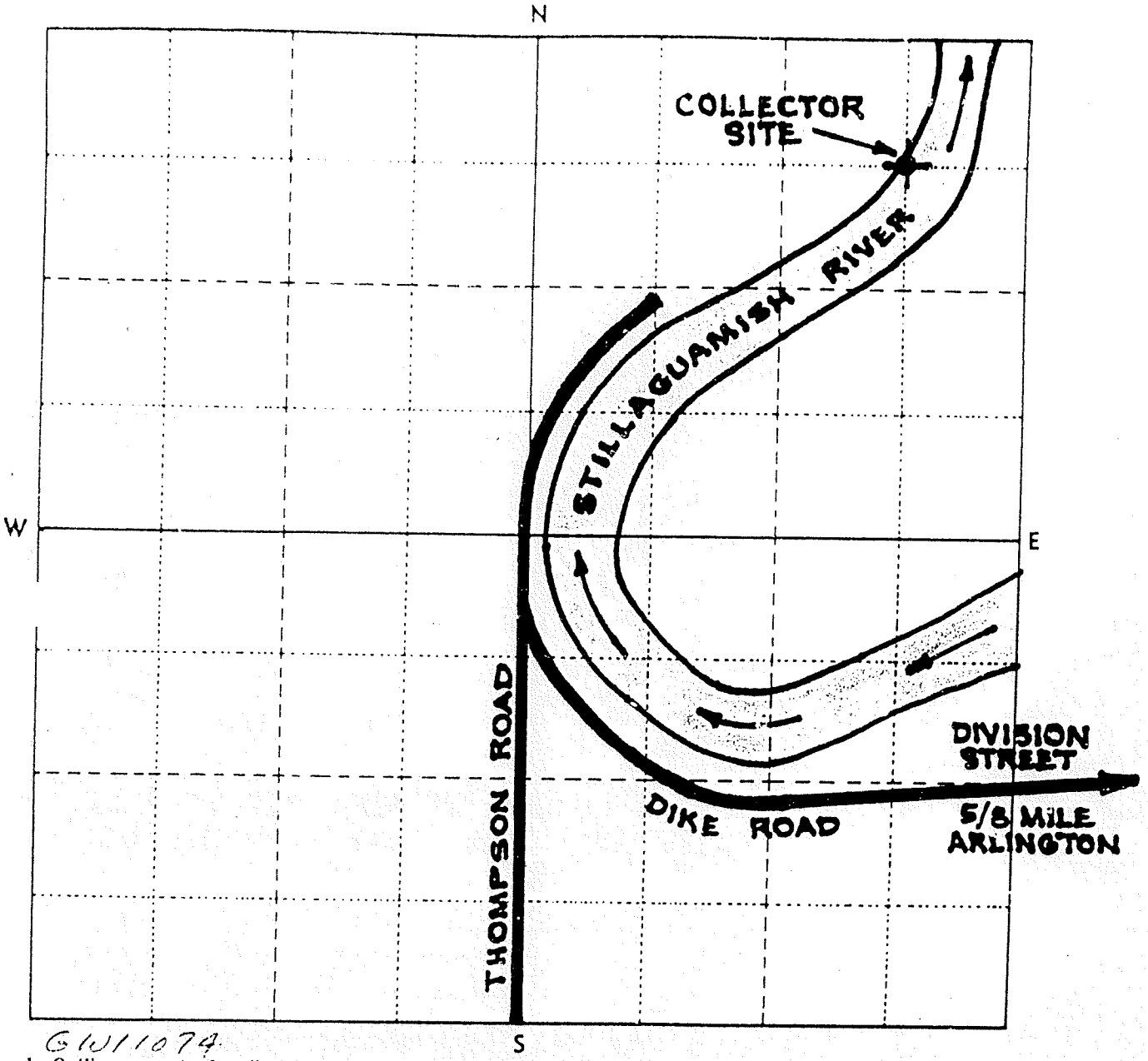
--2839.0'--
GOV. B.T.
(STANDING)
COLLECTOR
STATION
SITE
AREA = 0.43
ACRES
RIVER
NARY HIGH
TABLISHED
LETON AND
-16-68 FOR
AND AND
ANY.
110'±
120.0'
80.0
40'
S.57°42'09"E.
230'±
120.0'
--694.4'--
S.88°58'00" W.
90°
--777.4'--
--1348.1'--
STILLAGUAMISH
APPROXIMATE
LOCATION
02.0'--
--1402.0'--
--N.01°02'00" W. 2659.4'--
1321.1'--
00" W.
--1311.3'--

S. F. No. 1834-A—OS

SECTION PLAT

STILLY WELL SITE

Sec. 3 Twp. 31 N. R. 5 E



GW11074

1. Outline property described in application.
2. Show by a cross (X) the location of point of diversion (surface water source) or point of withdrawal (ground water source). For ground water applications, show by a circle (O) the locations of other wells or works within a quarter of a mile.
3. Indicate traveling directions from nearest town.

OFFICE Scale: 1 inch = 800 feet (each small square = 10 acres) 1500 - 115

Commencing at the Collector Site thence southwesterly along the left bank of the Stillaguamish River ½ mile to the intersection of the Thompson & Dike Roads thence Southeasterly & East along Dike Road (Division St. inside Arlington) 1 3/4 mile to Arlington City Center.

11070

LAKEWAY #9 - OCT 17, 1979

2250 GPM

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

Cert 23487

☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
October 17, 1979	G1-23487	G1-23487P	G1-23487C

NAME
CITY OF MARYSVILLE (c/o Bill Butler, Director of Public Works)

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
1409 First Street	Marysville	Washington	98270

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown.

PUBLIC WATER TO BE APPROPRIATED

SOURCE
Well

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	1,000	1,600.0

QUANTITY, TYPE OF USE, PERIOD OF USE
Municipal Supply - continuously

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION—WITHDRAWAL
750 feet east and 800 feet north from the S¼ corner of Sec. 25

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
SE¼SW¼	25	30	5 E	7	Snohomish

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by City of Marysville

PROVISIONS

An approved measuring device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through WAC 508-64-040.

Static water levels shall be measured in the subject well at least twice monthly. Meter readings and water level measurement data shall be made available to the Department of Ecology upon request.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Redmond *Washington, this* 15th *day of* April, *19* 83

ENGINEERING DATA

OK XX

Department of Ecology

by Robert K. McCormick

ROBERT K. McCORMICK, Regional Manager

FOR COUNTY USE ONLY

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PERMIT

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
October 17, 1979	G1-23487	G1-23487P	

NAME
CITY OF MARYSVILLE

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
City Hall, City Park	Marysville	Washington	98270

The applicant is, pursuant to the Report of Examination which has been accepted by the applicant, hereby granted a permit to appropriate the following described public waters of the State of Washington, subject to existing rights and to the limitations and provisions set out herein.

PUBLIC WATER TO BE APPROPRIATED

SOURCE
Well

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	1,000	1,600.0

QUANTITY, TYPE OF USE, PERIOD OF USE
Municipal Supply - continuously

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION—WITHDRAWAL
750 feet east and 800 feet north from the S¼ corner of Sec. 25

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
SE¼SW¼	25	30	5 E	7	Snohomish

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by City of Marysville

DESCRIPTION OF PROPOSED WORKS

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	December 31, 1982	December 31, 1982

PROVISIONS

An approved measuring device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through WAC 508-64-040.

Static water levels shall be measured in the subject well at least twice monthly. Meter readings and water level measurement data shall be made available to the Department of Ecology upon request.

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or fail to give notice to the Department of Ecology on forms provided by that Department documenting such compliance.

Given under my hand and the seal of this office at Redmond *Washington, this* 31st *day of* December, *19* 80

Department of Ecology

ENGINEERING DATA

OK

by ROBERT K. McCORMICK, Regional Manager

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
October 17, 1979	G1-23487		

NAME
CITY OF MARYSVILLE

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
City Hall, City Park	Marysville	Washington	98270

Field Examination: August 21, 1980

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
Well (16" x 272')

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	1,000	1,600.0

QUANTITY, TYPE OF USE, PERIOD OF USE
Municipal Supply - continuously

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION—WITHDRAWAL
750 feet east and 800 feet north from the S¼ corner of Sec. 25

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
SE¼SW¼	25	30	5 E	7	Snohomish

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by City of Marysville

DESCRIPTION OF PROPOSED WORKS

1 well 16" x 272'
Proposed 100 HP pump
2-3 million gallon reservoir
SWL - 150' below top of well (taken on 8-21-80)

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	1 yr from permit issuance	2 yrs from permit issuance

PROVISIONS

Background:

On October 17, 1979 the City of Marysville submitted an application to this offi requesting 1,000 gallon per minute from a well for municipal supply.

The public notice appeared in the Everett Herald on November 21 and 28, 1979. No protests were filed on this appropriation request.

Investigation:

Research of office records plus a field exam conducted on August 21, 1980 provide the following information.

The City of Marysville has existing surface and and ground water rights as outlined below.

Record No.	Instant. Quantity	AF/Yr	AF/Yr Supp. - Primary
S.W.Cert. 184	.8 cfs	576	
S.W.Cert. 2180	2.3 cfs	1656	
G.W.Cert. 286	300 gpm	160	
G.W.Cert. 1152	300 gpm	320	Total withdrawal from all sources shall not exceed 1120 af/yr for pop. of 5,000
G.W.Cert. 2096	500 gpm	800	Total withdrawal from all sources shall not exceed 1120 af/yr for pop. of 5,000
G.W.Cert. 3100	1000 gpm	1344	Total withdrawal from all sources shall not exceed 1344 af/yr (based on 200g/d/person for 6,000 pop.)
G.W.Cert. 4155	57 gpm	91	Total yearly withdrawal from all authorized sources shall not exceed 1120 af/yr (based on pop. of 5,000)
G.W.Cert. 5469	1000 gpm	1176	Total withdrawal from this right shall not exceed 1176 af/yr less any amt. diverted to this use under existing rights (based on 7,000 pop. and 150 g/d/person.
G.W.Cert. 6980	550gpm	880	Total annual withdrawal and diversion from all rights shall not exceed 5600 af/yr. (Based on 200 g/d/person for pop. of 25,000)
G1-00675C	2250 gpm	3600	The total diversion and withdrawal under all rights shall not exceed 13,441 af/yr. (Max. based on 200 g/d/person for 60,000 pop.)
R1-20307C		22	No secondary permit required as this reservoir is filled by Edwards Springs (S.W.Cert 2180 - 2.3 cfs.)
	TOTAL	10,625	

A number of the existing rights have been stipulated as being supplemental, however due to miscalculations the supplemental portions are in error by allowing the city to divert or withdraw the full volume as specified on each certification the total amounts to 10,625 acre-feet.

Records for the State Department of Health for 1979 indicate that daily per capita consumption for the city amounts to an average of 200 gallons. Based on this consumption figure and a system designed to service up to 60,000 people, the city will require a total of 13,440 acre-feet of water per year.

The well for this appropriation request was drilled in November 1979 by Burt Well Drilling Inc. The well is located on a 5 acre parcel of land owned by the city being within the SE¼SW¼ of Sec. 25, T. 30N, R. 5E.

The geotechnical consulting firm of Converse Ward Davis Dixon conducted a 24-hour pump test for the new city well. Test results confirmed that the well could be developed for an ultimate sustained capacity of 1800 gpm.

According to the office records there are several wells within a quarter mile from the applicant's well but any significant impact is unlikely between the applicant's well and nearby wells.

Conclusions:

Since the total corrected withdrawal and diversion rights held by the city (10625 af/yr) are under the projected yearly demands for a population figure of 60,000 (13,440 af/yr), this current request will be an additional withdrawal right.

Pumping at a continuous rate of 1,000 gpm, this appropriation request would deliver 1,600 acre-feet per year.

In accordance with Section 90.03 and 90.44 RCW, I find that there is water available for appropriation from the source in question and that the appropriation as recommended above will not impair existing rights or be detrimental to the public welfare. Therefore, permit should issue subject to existing rights and indicated provisions.

Recommendation:

This permit shall issue for 1,000 gallons per minute, 1,600 acre-feet per year from a well for minicipal supply.

An approved measuring device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through WAC 508-64-040 (Installation, operation and maintenance requirements attached hereto).

REPORT BY: Janet Jug DATE: Oct 17, 1988

The Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name [illegible] Address [illegible], WA 98270

(2) LOCATION OF WELL: County Snohomish SW ¼ — SE ¼ SW ¼ Sec. 25 T. 30 N., R. 5E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 16 inches.
Drilled 272 ft. Depth of completed well 272 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 16" Diam. from 0 ft. to 272 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ ..." Diam. from ... ft. to ... ft.

Perforations: 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.

Screens: Yes ☒ No ☐ (See Screen assembly under well log)
Manufacturer's Name Johnson
Type Stainless Steel Model No. .....
Diam. 16" Slot size ... from 226 ft. to 269 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name ...
Type: ... H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level 440± ft.
Static level 150.8 ft. below top of well Date 11/15/79
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? CWDD
Yield: 1042* gal./min. with 23.5 ft. drawdown after 24.0 hrs.
" *Equivalent pumping rate of step- "
" drawdown test. " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 (min)	155.7	25	154.35	85	153.1
10	155.1	45	153.8	105	152.9
15	155.05	65	153.35	125	152.65

Date of test 11/15/79
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Hardpan	0	10
Till	10	20
Till Hard	20	30
Till	30	40
Clay	40	47
Till	47	88
Gray Till	88	108
Hardpan	108	130
Gravel, Clay Binder	130	160
Sand, Gravel, some dirty	160	170
Clay, Gravel	170	180
Sand & Gravel	180	185
Blue Clay	185	190
Gravel, Clay	190	195
Sand & Gravel	195	200
Clay, Gravel	200	202
Blue Clay	202	218
Cemented Gravel	218	225
Sand, Gravel, Cobble Stones with Boulders & Water	225	272
SCREEN ASSEMBLY		
#150 Slot Screen	226	246
#25 Slot Screen	246	250
#50 Slot Screen	250	252
#100 Slot Screen	252	254
#150 Slot Screen	254	257
#35 Slot Screen	257	262
#70 Slot Screen	262	264
#150 Slot Screen	264	269

Work started 10-2, 19 79 Completed 11-16, 19 79

WELL DRILLER'S STATEMENT:

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

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address Rt. 1, Box 283 Poulsbo, WA 98370

[Signed] George W. Burt (Well Driller)

License No. 0048 Date 12-4, 1979

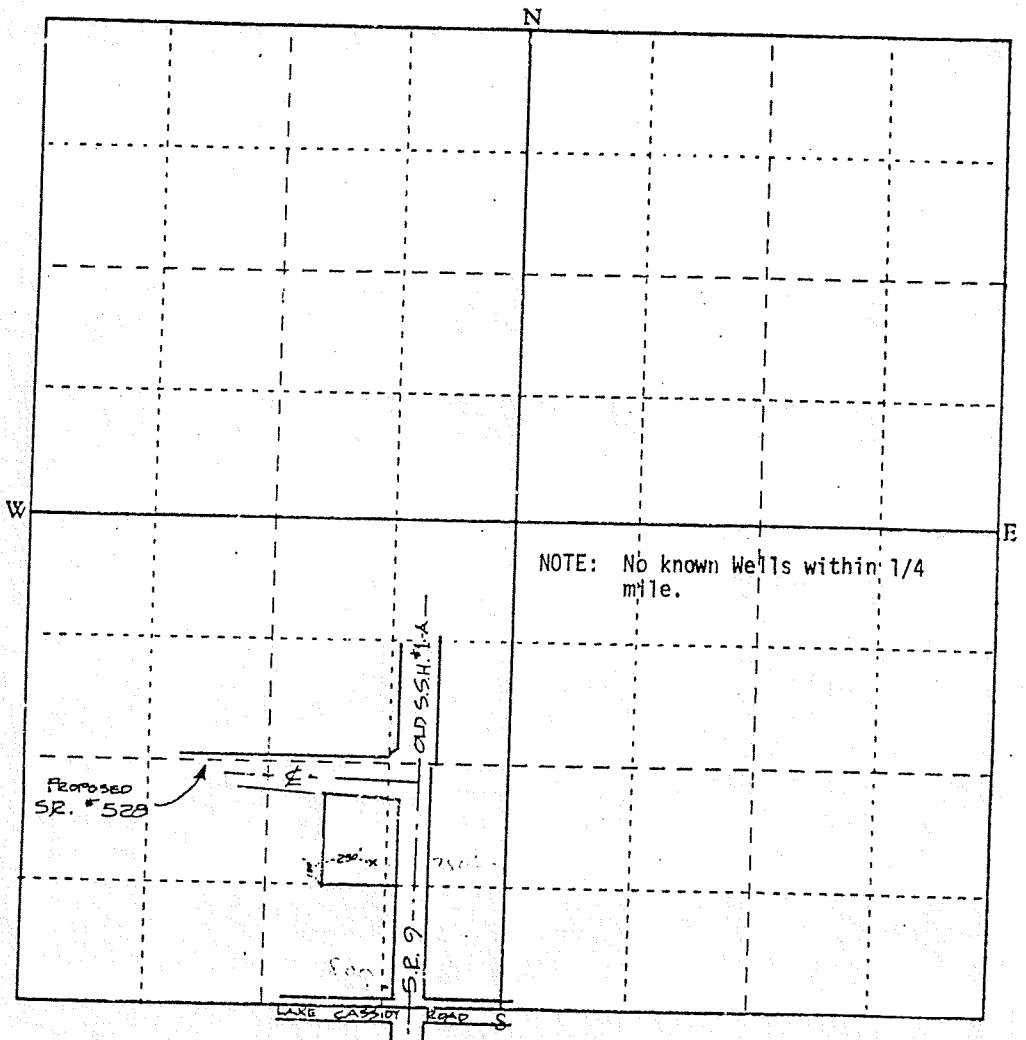
RECEIVED FEB 4 1980 DEPARTMENT OF ECOLOGY NORTHWEST REGION

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

SECTION MAP

Sec. 25 Twp. 30 N. R. 5 E



G123487

Scale: 1 inch = 800 feet (each small square = 10 acres)

Show by a cross (X) the location of point of diversion (surface water source) or point of withdrawal (ground water source). For ground water applications, show by a circle (O) the locations of other wells or works within a quarter of a mile.

Indicate traveling directions from nearest town in space below.

Site is located 3 miles East of Marysville; 1000' North of Lake Cassidy Road, adjacent to West Boundary of S.R. #9.

LEGAL DESCRIPTION:

The East 400 feet of that portion of the North half of the Southeast quarter of the Southwest quarter of Section 25, Township 30 North, Range 5 East, W.M., lying West of Secondary State Highway 1-A; situate in the County of Snohomish, State of Washington.

EXCEPT: That portion lying Northerly of a line described as follows:

SEE ATTACHED

Detach here

Fold along scale

FEET 0 400 800 1,200 1,600 2,000 2,400 2,800 3,200 3,600 4,000 4,400 4,800 5,200

RECEIVED
OCT 17 1979
DEPT. OF ECOLOGY

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

EDWARD SPRINGS
WELL #3
400 GPM

PERMIT

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

251828

☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
February 16, 1988	G1-25182	G1-25182 P	

NAME
City of Marysville

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
514 Delta Avenue	Marysville	Washington	98270

The applicant is, pursuant to the Report of Examination which has been accepted by the applicant, hereby granted a permit to appropriate the following described public waters of the State of Washington, subject to existing rights and to the limitations and provisions set out herein.

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
Well

TRIBUTARY OF (IF SURFACE WATERS)
N/A

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE FEET PER YEAR
	400	451*

QUANTITY, TYPE OF USE, PERIOD OF USE
Municipal supply/continuously

*Annual quantity is supplemental to existing rights held by City of Marysville. Total annual consumption from all sources shall not exceed 8,472 acre-feet.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION--WITHDRAWAL
1000 feet north and 800 feet east of SW corner of Section 24.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
SW1/4 SW1/4	24	31N	4E	5	Snohomish

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by the City of Marysville in accordance with its 1996 approved water system plan.

DESCRIPTION OF PROPOSED WORKS

Well, 12" x 200'
Connection to distribution system

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	Complete	April 15, 2019

PROVISIONS

This permit is issued pursuant to the stipulation and agreed order of dismissal filed in Pollution Control Hearings Board (PCHB) Case No. 96-153 incorporated herein.

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through 040 (installation, operation, and maintenance requirements). Meter readings shall be recorded at least monthly and this data shall be maintained and be made available to the Department of Ecology upon request.

In order to monitor the resource, static water level (SWL) shall be measured at least once each month. Measurements shall be taken after the pump has been shut off and the water level in the well has been stabilized. The data shall be maintained and made available to Ecology upon request. However, Ecology's Water Resources Section (NWRO) shall be notified if the SWL is determined to be below the level normally recorded at that time of year. See enclosed form.

Issuance of this water right is subject to the implementation of the minimum requirements established in the Conservation Planning Requirements, Guideline and Requirements for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology, and Conservation Programs, July 1994, and as revised.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the states water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this water right, the applicant shall prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or fail to give notice to the Department of Ecology on forms provided by that Department documenting such compliance.

Given under my hand and the seal of this office at Bellevue, Washington, this 15th day of April, 1999.

STATE OF WASHINGTON

Engineering Data
OK

Department of Ecology

By

Daniel L. Swenson, Section Supervisor, Water Resources

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PERMIT

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
February 16, 1988	G1-25182	G1-25182 P	

NAME
City of Marysville

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
514 Delta Avenue	Marysville	Washington	98270

The applicant is, pursuant to the Report of Examination which has been accepted by the applicant, hereby granted a permit to appropriate the following described public waters of the State of Washington, subject to existing rights and to the limitations and provisions set out herein.

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
Well

TRIBUTARY OF (IF SURFACE WATERS)
N/A

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE FEET PER YEAR
	400	451*

QUANTITY, TYPE OF USE, PERIOD OF USE
Municipal supply/continuously

*Annual quantity is supplemental to existing rights held by City of Marysville. Total annual consumption from all sources shall not exceed 8,472 acre-feet.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION--WITHDRAWAL
1000 feet north and 800 feet east of SW corner of Section 24.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
SW1/4 SW1/4	24	31N	4E	5	Snohomish

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by the City of Marysville in accordance with its 1996 approved water system plan.

DESCRIPTION OF PROPOSED WORKS

Well, 12" x 200'
Connection to distribution system

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	Complete	April 15, 2019

PROVISIONS

This permit is issued pursuant to the stipulation and agreed order of dismissal filed in Pollution Control Hearings Board (PCHB) Case No. 96-153 incorporated herein.

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through 040 (installation, operation, and maintenance requirements). Meter readings shall be recorded at least monthly and this data shall be maintained and be made available to the Department of Ecology upon request.

In order to monitor the resource, static water level (SWL) shall be measured at least once each month. Measurements shall be taken after the pump has been shut off and the water level in the well has been stabilized. The data shall be maintained and made available to Ecology upon request. However, Ecology's Water Resources Section (NWRO) shall be notified if the SWL is determined to be below the level normally recorded at that time of year. See enclosed form.

Issuance of this water right is subject to the implementation of the minimum requirements established in the Conservation Planning Requirements, Guideline and Requirements for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology, and Conservation Programs, July 1994, and as revised.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the states water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this water right, the applicant shall prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or fail to give notice to the Department of Ecology on forms provided by that Department documenting such compliance.

Given under my hand and the seal of this office at Bellevue, Washington, this 15th day of April, 1999.

STATE OF WASHINGTON

Engineering Data
OK_____

Department of Ecology

By _____
Daniel L. Swenson, Section Supervisor, Water Resources

RECEIVED
MAY 13 1997
ATTORNEY GENERAL'S OFFICE
Ecology Div. - Lacey

RECEIVED
MAY 07 1997
ENVIRONMENTAL
HEARINGS BOARD

BEFORE THE POLLUTION CONTROL HEARINGS BOARD

TULALIP TRIBES OF WASHINGTON, Appellant, vs. STATE OF WASHINGTON, DEPARTMENT OF ECOLOGY, and CITY OF MARYSVILLE, Respondents.	PCHB NO. 96-153 STIPULATION AND AGREED ORDER OF DISMISSAL

The Appellant, Tulalip Tribes of Washington ("Tribes"), through its attorney Mason D. Morisset, and the Respondents, State of Washington, Department of Ecology ("DOE") and the City of Marysville ("Marysville"), through their respective attorneys, Jo Messex Casey and Grant K. Weed, hereby enter into this Stipulation and Agreed Order of Dismissal as follows:

STIPULATION

The parties desire to resolve the dispute herein and not incur any further expense or time in litigation of this matter and, therefore, without admitting fault, liability, or any improper action or claim, stipulate and agree as follows:

1. **BACKGROUND.**

a. On February 16, 1988 the City of Marysville filed Ground Water Application G1-25182 for a water right for municipal domestic supply. The water right requested is for the development of Edwards Spring Well No. 3.

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KEITHLY, WEED AND GRAAFSTRA, INC., P.S.
21 AVENUE A
SNOHOMISH, WASHINGTON 98290-2962
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b. On January 30, 1996 the Department of Ecology issued a decision approving Marysville's request for a 400 gpm new instantaneous ground water right, with no increase in annual quantity, and no finding of impairment to existing rights or instream flows.

c. On March 5, 1996 the Tulalip Tribes of Washington appealed the decision of the Department of Ecology to the Pollution Control Hearings Board. The Tulalip Tribes amended their appeal on March 26, 1996. In their appeal, the Tribes allege that Edwards Spring Well No. 3 is in hydraulic continuity with the Stilliguamish River, and its tributary streams, and that its use will impair streamflows and habitat required for fishery production.

d. Based on subsequent investigation, Ecology asserts that hydraulic continuity exists between Edwards Spring Well No. 3 and Cougar Creek and that pumping would likely reduce instream flows in Cougar Creek and related waters downstream.

e. Marysville disputes Ecology's assertions that pumping of Edward Spring Well No. 3 would likely reduce instream flows in Cougar and related waters downstream. Marysville also disputes the Tribes' claim of impairment to instream flows or fishery habitat, but in the interest of reaching a settlement between the parties on the issuance of a permit for GW 1-25182, has developed a Streamflow Augmentation Project which the parties agree will benefit instream flow and fishery conditions in Cougar

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Creek, Fish Creek, Portage Creek, and the Stilliguamish River. The Streamflow Augmentation Project will accomplish the following:

i. Installation of a stream discharge pipe facility from the Edwards Springs collector system to Cougar Creek.

ii. Release of water at a controlled rate maintained within a range of temperature and water quality standards compatible with those existing at the Edwards Springs Collector System and/or necessary to support salmonid populations in Cougar Creek. In the event that the temperature and/or quality of water released does not meet standards required to support salmonid survival, Marysville shall discontinue release of water until "normal" quality and temperature conditions are restored. For purposes of this Stipulation and Agreed Order of Dismissal, "normal" shall mean a temperature not exceeding 14°C and dissolved oxygen of not less than 8 mg/L.

iii. Releases of water over a period of time from June through October at rates described in Section 2 below.

iv. The source of the instream flow augmentation water Marysville agrees to use to comply with Sections 2(a) and (b) of this stipulation will be its Edwards Springs source, or more specifically, Edwards Spring Certificate S.W.C. No. 184 with a priority date of 7/14/21. This surface water right withdraws water on an annual basis from Edwards

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Springs and has an instantaneous withdrawal rate (Qi) of 360 GPM, and an annual withdrawal rate (Qa) of 576 af/yr.

2. **STREAMFLOW/AUGMENTATION.**

a. For purposes of streamflow augmentation, Marysville agrees to provide for the direct, continuous discharge of 200 gallons per minute (gpm) of untreated spring water into Cougar Creek during the period of July 1 through September 30 from its Edwards Springs Collector System. However, because the Edwards Springs Collector System is gravity-fed, there may be fluctuations in the 200 gpm rate. Therefore, the 200 gpm discharge will be calculated and monitored by Marysville to achieve an average instantaneous discharge of 200 gpm with permissible fluctuations within the range of 160 gpm to 240 gpm during the months cited above.

b. For purposes of streamflow augmentation, Marysville agrees to provide for the direct, continuous discharge of 100 gallons per minute (gpm) of untreated spring water into Cougar Creek during the period of June 1 through June 30 and October 1 through October 31 from its Edwards Springs Collector System. However, because the Edwards Springs Collector System is gravity-fed, there may be fluctuations in the 100 gpm rate. Therefore, the 100 gpm discharge will be calculated and monitored by Marysville to achieve an average instantaneous discharge of 100 gpm with permissible fluctuations within the range of 60 gpm to 140 gpm during the months cited above.

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c. Marysville agrees to secure all appropriate permits for the purpose of constructing a gravity-based collection and discharge facility capable of reliably providing the amounts of water cited in Sections 2(a) and 2(b) for streamflow augmentation from its Edwards Springs Collector System to Cougar Creek. (See **Attachment A** for schematic of collection/discharge system.) In the event any permit cannot be issued consistent with **Attachment A**, the parties hereto will meet and negotiate in good faith to revise this agreement in a manner to accomplish the same general purposes as outlined in Section 1(e)(i-iv) above.

d. The Tribes and DOE agree not to oppose the issuance of any and all state and local permits required of Marysville to construct the Cougar Creek discharge system cited in Section 2(c) so long as said permits are consistent with the discharge facility described in **Attachment A**, the terms of this agreement, and applicable laws.

3. **MONITORING/INSPECTION.**

a. Marysville will install a totalizing flow meter and pressure regulating valve to monitor and control the rate of release. Marysville will monitor the releases once per week during the four-month release period. Marysville will also test the water to be discharged for temperature and dissolved oxygen monthly during the four-month release period. Marysville will provide written reports of said testing and metering data to the Department of Ecology, NWRO-SHWR and the Tulalip Tribes Natural Resources Division no later than November 15 of each year.

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b. Marysville agrees to permit a representative(s) from the Tulalip Tribes Natural Resources Division to inspect the collection, diversion, gauging and metering facilities constructed pursuant to Section 1 of this stipulation once a year, upon provision of 72 hours' notice to the Marysville Director of Public Works. Provided, however, that additional brief inspections may be made by Tulalip representatives at times when Marysville's personnel are otherwise planned to be present at the site. Marysville officials shall not unreasonably withhold approval for brief inspections.

4. **MAINTENANCE.** Marysville is responsible for all system maintenance. In the event inadequate maintenance results in non-compliance with the Streamflow Augmentation Project, all withdrawal under Ground Water Permit number G1-25182 shall stop pending the necessary maintenance or repairs.

5. **PERMIT ISSUANCE - EDWARDS SPRING WELL NO. 3.**

a. Within thirty (30) days of entry of this order, Ecology will issue to Marysville a temporary permit allowing beneficial use of water under Ground Water Application G1-25182. The Temporary Permit will contain conditions consistent with the terms of this Stipulation and Agreed Order of Dismissal and the Report of Examination for G1-25182 dated January 29, 1996. The Temporary Permit will be issued for a one-year period to allow permitting and construction of the Streamflow Augmentation Plan described in Attachment A of this agreement. In the event construction of the

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augmentation plan is not completed during the term of the Temporary Permit, Marysville may request an extension. Progress toward permitting and construction will be a primary factor in the granting of an extension.

b. Within one hundred twenty (120) days of receiving written documentation of completion of construction of the improvements described in **Attachment A**, Ecology agrees to issue to Marysville a permit for Edwards Spring Well No. 3 which specifies:

i. The source and point of diversion consistent with the original Report of Examination dated January 29, 1996.

ii. A priority date of February 16, 1988.

iii. A maximum instantaneous quantity of 400 gpm.

iv. A maximum annual quantity of 451 acre-feet, supplemental to existing rights held by the City of Marysville with total annual quantity not to exceed 8,472 acre feet.

v. The purpose of use is municipal supply.

vi. The place of use consistent with the original Report of Examination dated January 29, 1996.

vii. The period of use is continuous, year-round.

viii. The permit shall contain the conditions stated in the original Report of Examination and the conditions contained in this Stipulation and Agreed

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Order of Dismissal, insofar as they are not inconsistent.

ix. The permit shall state a date of beneficial use consistent with the temporary permit referenced in 5(a) herein.

6. **CHANGE APPLICATION.**

Marysville agrees that no later than June 30, 1997, it shall submit an application to Ecology NWRO to change the purpose of use of Surface Water Certificate S.W. No. 184 to add streamflow augmentation to the existing purpose of domestic supply, in order to allow the direct discharge of water to Cougar Creek as provided in this stipulation. Department of Ecology agrees to process the change application, pursuant to Chapters 90.03.380 and 90.44.100 RCW, as soon as practicable. Ecology makes no representation as to the result of this change application.

7. The Tulalip Tribes agree that they shall not protest Marysville change application as described in Section 6, nor appeal a decision by the Department of Ecology to approve and issue a change in purpose of use for Certificate S.W. No. 184 which complies with this Stipulation and applicable laws.

8. **DISPUTES.** If any party finds that the conditions of the permit are not being met or that the Plan requires modification to achieve the purposes of 1(e)(i-iv) herein, they shall notify the other parties in writing. The parties will negotiate in good faith to develop an appropriate modification to the Plan. Failure to reach agremeent will not deprive any party of other remedies

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21 AVENUE A
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available by law. The parties agree that consideration has been given, and this Stipulation constitutes a contract and is enforceable as such. The parties agree that the Superior Court of the State of Washington shall have exclusive jurisdiction to enforce and/or interpret the provisions of this Stipulation and Agreed Order of Dismissal. Venue shall be in Snohomish County Superior Court.

9. **PARTICIPATION IN JOINT GRANT PROPOSAL.**

a. Marysville and the Tribes agree and pledge good faith efforts to explore the feasibility of developing a joint grant proposal to enhance and/or protect fishery habitat in the Stilliguamish Basin under the following conditions:

- By agreeing to participate in a joint grant project, neither Marysville nor the Tribes is obligated to reach agreement on a specific grant proposal or project.
- By agreeing to participate in a joint grant project, Marysville and the Tribes are in no way obligated to provide any monies, matching grant funds, or other financial contributions to secure a grant for a candidate project identified by the parties, but each may do so at the party's sole discretion.
- Marysville and the Tribes agree to pursue efforts to identify a joint grant proposal for a period of nine months, commencing on the date this stipulation is executed. If at the end of the nine-month period no joint grant proposal is agreed to or identified by the parties, the joint grant project shall be considered terminated, unless sufficient reason(s) exist for the parties to mutually agree to extend the time period. Under any circumstance, termination of the joint grant project without reaching agreement shall not be construed by any party to this agreement as evidence of breach or nonperformance of the terms of this stipulation.

10. **DISMISSAL WITH PREJUDICE.** In consideration of the commitments made by Marysville to develop and/or participate in the monitoring and joint grant program cited above, the Tribes

LAW OFFICES OF
KEITHLY, WEED AND GRAAFSTRA, INC., P.S.
21 AVENUE A
SNOHOMISH, WASHINGTON 98290-2962
(360) 568-3119; FAX (360) 568-4437

agree to dismissal with prejudice of their appeal to issuance by DOE of Ground Water Permit G1-25182 and PCHB No. 96-153.

11. The parties agree that this stipulation resolves all disputes arising from application No. G1-25182 and this appeal, PCHB 96-153. The parties agree that the Board may enter the following Agreed Order of Dismissal.

12. The parties agree that the commitments made in this Stipulation shall be in effect so long as Marysville's right to make full beneficial use of G1-25182 is authorized under law.

DATED this 7 day of May, 1997.

DEPARTMENT OF ECOLOGY

By _____
Ray Hellwig
SHWR Supervisor
NWRO

MORISSET, SCHLOSSER
AYER & JOZWIAK

By _____
Mason D. Morisset
WSBA #00273
Attorneys for The Tulalip
Tribes of Washington
(206) 386-5200

KEITHLY, WEED AND
GRAAFSTRA, INC., P.S.

By _____
GRANT K. WEED, WSBA #11243
Attorney for Respondent
City of Marysville

_____
THOMAS D. MORTIMER, JR.
WSBA #12244
Attorneys for Respondent
City of Marysville

LAW OFFICES OF
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21 AVENUE A
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DATED this _____ day of _____, 1997.

DEPARTMENT OF ECOLOGY

By_____
Ray Hellwig
SHWR Supervisor
NWRO

MORISSET, SCHLOSSER
AYER & JOZWIAK

By_____
Mason D. Morisset
WSBA #00273
Attorneys for The Tulalip
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(206) 386-5200

KEITHLY, WEED AND
GRAAFSTRA, INC., P.S.

By_____
GRANT K. WEED, WSBA #11243
Attorney for Respondent
City of Marysville

_____
THOMAS D. MORTIMER, JR.
WSBA #12244
Attorneys for Respondent
City of Marysville

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21 AVENUE A
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12. The parties agree that the commitments made in this Stipulation shall be in effect so long as Marysville's right to make full beneficial use of G1-25182 is authorized under law.

DATED this _____ day of _____, 1997.

DEPARTMENT OF ECOLOGY

By_____
Ray Hellwig
SHWR Supervisor
NWRO

KEITHLY, WEED AND GRAAFSTRA, INC., P.S.

By Grant K. Weed
GRANT K. WEED, WSBA #11243
Attorney for Respondent
City of Marysville

MORISSET, SCHLOSSER AYER & JOZWIAK

By_____
Mason D. Morisset
WSBA #00273
Attorneys for The Tulalip Tribes of Washington
(206) 386-5200

Grant K. Weed for
THOMAS D. MORTIMER, JR.
WSBA #12244
Attorneys for Respondent
City of Marysville

LAW OFFICES OF
KEITHLY, WEED AND GRAAFSTRA, INC., P.S.
21 AVENUE A
SNOHOMISH, WASHINGTON 98290-2962
(360) 568-3119; FAX (360) 568-4437

AGREED ORDER OF DISMISSAL

Having reviewed the foregoing Stipulation and the file and pleadings herein, and it appearing that the parties have reached an agreement;

IT IS HEREBY ORDERED that the foregoing Stipulation is entered as an order of this Board, and this case, ***The Tulalip Tribes of Washington v. State of Washington Department of Ecology and the City of Marysville***, PCHB No. 96-153, is hereby DISMISSED with prejudice and without costs or attorney fees.

DATED this 9th day of May, 1997.

POLLUTION CONTROL HEARING BOARD

JAMES A. TUPPER, JR., Presiding

ROBERT V. JENSEN, Member

RICHARD C. KELLEY, Member

CHRISTINE O. GREGOIRE
Attorney General

By Jo Messex Casey
JO MESSEX CASEY
WSBA #19161
Assistant Attorney General
Attorney for Respondent
Department of Ecology

LAW OFFICES OF
KEITHLY, WEED AND GRAAFSTRA, INC., P.S.
21 AVENUE A
SNOHOMISH, WASHINGTON 98290-2962
(360) 568-3119; FAX (360) 568-4437

Approved as to form; notice
of presentation waived:

MORISSET, SCHLOSSER
AYER & JOZWIAK

By _____
MASON D. MORISSET
WSBA #273
Attorneys for Appellant
Tulalip Tribes of Washington

KEITHLY, WEED AND
GRAAFSTRA, INC., P.S.

By _____
GRANT K. WEED, WSBA #11243

_____
THOMAS D. MORTIMER, JR.
WSBA #12244
Attorneys for Respondent
City of Marysville

LAW OFFICES OF
KEITHLY, WEED AND GRAAFSTRA, INC., P.S.
21 AVENUE A
SNOHOMISH, WASHINGTON 98290-2962
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MORISSET, SCHLOSSER
AYER & JOZWIAK

By _____
MASON D. MORISSET
WSBA #273
Attorneys for Appellant
Tulalip Tribes of Washington

KEITHLY, WEED AND
GRAAFSTRA, INC., P.S.

By Grant K. Weed
GRANT K. WEED, WSBA #11243

Grant K. Weed for
THOMAS D. MORTIMER, JR.
WSBA #12244
Attorneys for Respondent
City of Marysville

LAW OFFICES OF
KEITHLY, WEED AND GRAAFSTRA, INC., P.S.
21 AVENUE A
SNOHOMISH, WASHINGTON 98290-2962
(360) 568-3119; FAX (360) 568-4437

ATTACHMENT A

EDWARD SPRINGS COLLECTOR SYSTEM
PROPOSED IMPROVEMENTS

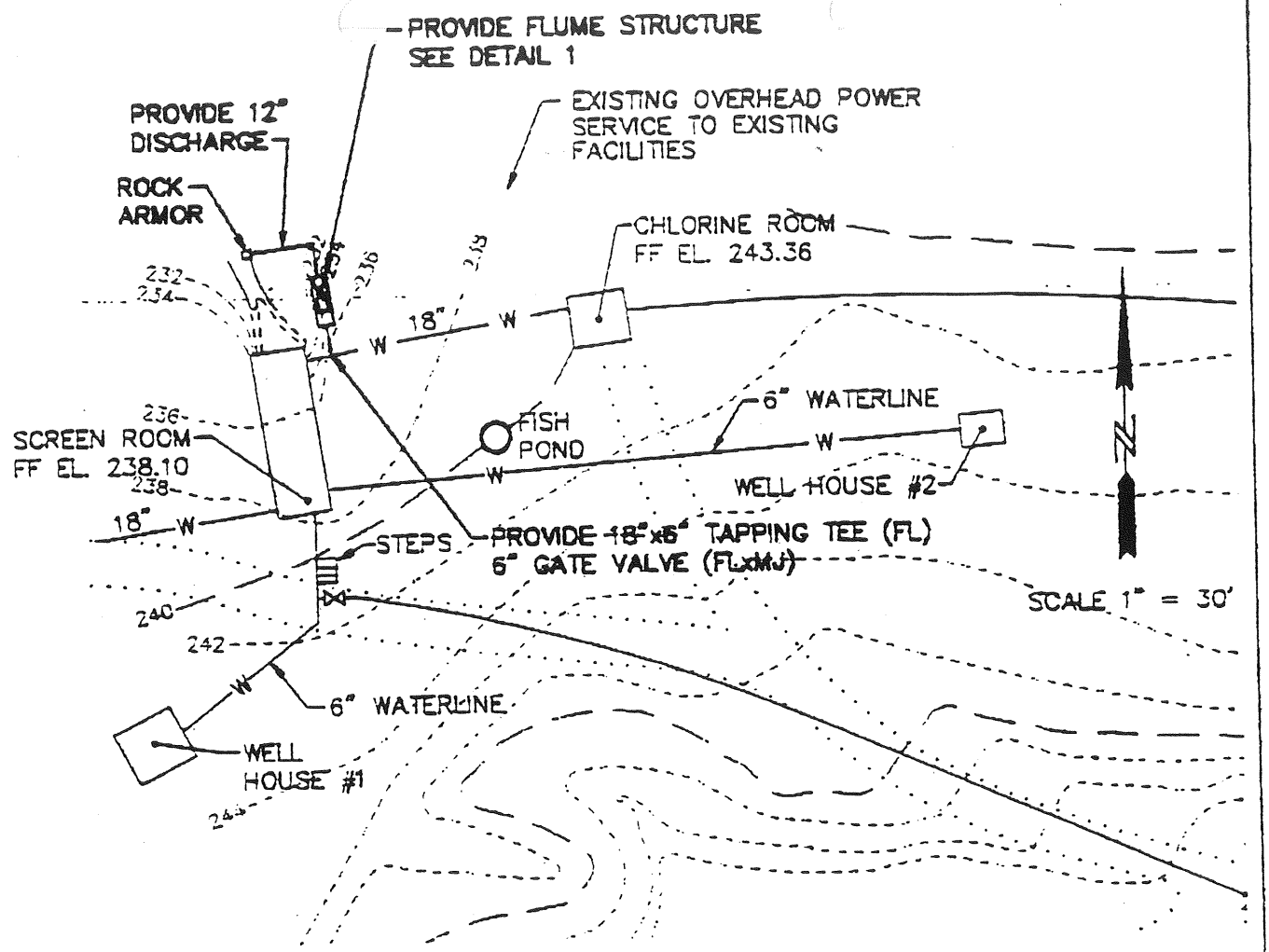
DESCRIPTION

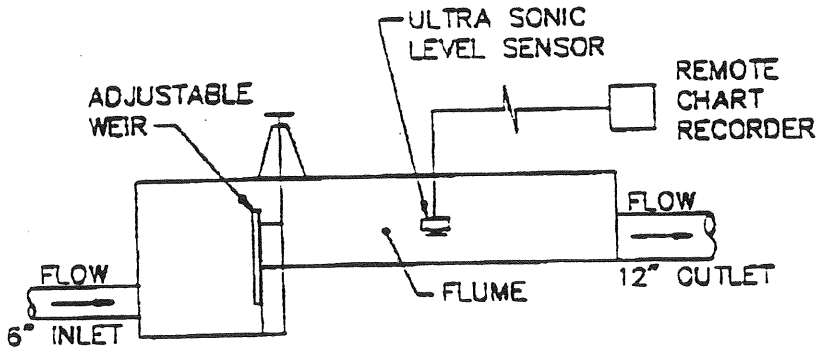
The attached Figure No. 1 illustrates an option to intercept, control, and meter flow from the Edward Springs Reservoir Screen Room piping and discharge to the nearby stream. The option proposed would provide gravity flow to the stream channel. The improvements would consist of installing a 6 inch tapping tee and 6 inch gate valve on the existing 18 inch main connecting the Screen Room with the Chlorine Room. Flow would be diverted through new 6 inch piping to a new flume structure located on the east bank of the stream channel. The flume would consist of an adjustable vertical weir, flume, ultrasonic level sensor, and a chart recorder mounted remotely in a nearby existing enclosure. Flow would exit the flume through new 12 inch piping discharging to the nearby stream.

OPERATION

The proposed improvements provide both flow control and metering capabilities, along with flexible operation. Throttling the 6 inch gate valve would regulate flow to the flume structure. Further adjustment and flow control is provided by adjusting the vertical weir to the desired elevation thus providing a relatively constant flow through the flume. Flow measurement would consist of the flume mounted in an open channel along with an ultra sonic level sensor mounted above the water surface. The ultra sonic sensor will transmit flow data to a chart recorder.

Flow through the flume structure would be regulated as agreed upon, consisting of 100 gpm for the months of June and October and 200 gpm from July through September. Flows would be verified based on a monthly average flow as established from chart recorder data. Diversion of flow would be halted during the remaining months.





DETAIL NO. 1
N.T.S.

FIGURE 1
STREAM DISCHARGE PIPING

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

☐ Surface Water (issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
February 16, 1988	G1-25182		

NAME
City of Marysville

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
514 Delta Avenue	Marysville	Washington	98270

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
Well

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	400	451*

QUANTITY, TYPE OF USE, PERIOD OF USE

Municipal supply - continuously

*Annual quantity is supplemental to existing rights held by City of Marysville. Total annual quantity not to exceed 8,472 acre-feet.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION–WITHDRAWAL
1000 feet north and 800 feet east of SW corner of Section 24

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
SW¼ SW¼	24	31	4E	5	Snohomish

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The service area of City of Marysville, Snohomish County, within Sections 1, 2, 3, Township 29N, Range 5E; Sections 1-4, 9-16, 21-29, 32-36, Township 30N, Range 5E; Section 6, 7, 16, 19, 30, Township 30N, Range 6E; Sections 20, 21, 28-36, Township 31N, Range 5E; also including any areas identified in updates to Water System Plans. Plus interties with Everett, Arlington, Seven Lakes, Tulalip, and Snohomish County PUD (emergency only).

DESCRIPTION OF PROPOSED WORKS

Well, 12" X 200'

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Begun	Complete	2 years from permit issuance

REPORT

BACKGROUND:

Application Number:	G1-25182
Applicant:	City of Marysville
Date Application Received:	February 16, 1988
Proposed use:	Municipal supply
Legal notice published:	The Marysville Globe
Date:	March 30 and April 6, 1988
Protests:	None

INVESTIGATIONS:

Application is made for withdrawal from a well located in the SW¼ SW¼ Section 24, T. 31 N., R. 4 E., Snohomish County, for 400 gallons per minute (gpm) to be used for municipal supply for the City of Marysville.

A technical assistance visit was conducted on November 27, 1995 to discuss water rights and water use. Marysville has been buying approximately half of their water from the City of Everett since July 1992. Investigation consisted of a review of office records including well reports, topographical maps, information from technical visit, applicant's file, and water right statutes and rules.

EXISTING WATER RIGHTS:

Primary water rights are those issued for an instantaneous quantity (gpm) and an annual quantity. Supplemental refers to water rights issued for additional instantaneous quantity (gpm), but does not allocate additional acre-feet.

The City of Marysville holds the following water rights:

Record No.	Priority Date	Instantaneous Quantity	Annual Quantity	Primary or Supplemental
SWC 184	07-14-21	.8 cfs	576	Primary
SWC 2180	11-14-31	2.3 cfs	1656	Primary
GWC 286	01-12-46	300 gpm	160	Primary
GWC 1152	03-07-52	300 gpm	320	Supplemental
GWC 2096	03-07-52	500 gpm	800	Supplemental
GWC 3100	02-14-56	1000 gpm	1344	Supplemental
GWC 4155	05-05-55	57 gpm	91	Supplemental
GWC 5469	07-27-64	1000 gpm	1176	Supplemental
GWC 6980	06-19-67	550 gpm	880	Primary
G1-00675C	07-14-70	2250 gpm	3600	Primary
G1-23487C	10-17-79	1000 gpm	1600	Primary

Total of primary rights is 8,472 acre-feet per year.

This application is for Edward Spring Well #3, located in the SW¼ SW¼ Section 24, T. 31, R. 4 E. in water resource inventory area (WRIA) 5.

Findings:

1. The proposed use of water is a beneficial use of water.

2. Based on the location, depth, well report, and topographical maps, the applicant's well is completed in unconsolidated glacial deposits hydraulically connected to the Stillaguamish River. Groundwater is therefore tributary to surface water. No instream flows have been set for the Stillaguamish River in the Washington Administrative Code (WAC).

3. Approval of instantaneous quantity (gpm) will not increase any possible impact to stream flows. The effect will be to add a point of withdrawal to the existing water system while requiring the water system to stay within the previously allocated annual quantity.

4. Water is available for additional instantaneous withdrawal.

5. The proposed appropriation will not be detrimental to the public welfare.

6. The proposed withdrawal of groundwater will not impair existing water rights. The City of Marysville has 7 water rights in this vicinity, 3 surface water, one reservoir, and 3 ground water rights. No other entities have water rights in this section.

DISCUSSION:

Total water consumption for 1994 for Marysville was 5,152 acre-feet (1,678 MG), 2,576 of which was purchased from Everett. The total number of acre-feet allocated on previous water right certificates appears to be 8,472 acre-feet. No additional acre-feet is allocated, as less than half that already allocated is used by Marysville.

The well, called Edwards Spring Well No. 3, produces 400 gpm. Based on 70% efficiency, this well can produce an annual quantity of 451 acre-feet. This will be the annual quantity granted in a permit, if issued, and the total annual withdrawal from all sources will not exceed 8,472 acre-feet.

CONCLUSIONS:

In accordance with chapters 90.03 and 90.44 RCW, it is concluded that water is available for the beneficial use proposed, and that the appropriation will not adversely affect existing water rights or be detrimental to the public welfare, provided the conditions and provisions are met.

RECOMMENDATION:

I recommend that this application be approved, and a permit issued for 400 gallons per minute, 451 acre-feet per year. Total annual quantity authorized under all rights not to exceed 8,472 acre-feet. The permit should issue subject to existing rights and the following provisions:

> An approved measuring device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through 508-64-040 (Installation, operation and maintenance requirements enclosed). Meter readings shall be recorded monthly and this data shall be maintained and be made available to the Department of Ecology upon request.
>
> In order to monitor the resource, static water level (SWL) shall be measured at least once each month. Measurements shall be taken after the pump has been shut off and the water level in the well has been stabilized. The data shall be maintained and made available to Ecology upon request. However, Ecology's Water Resources Section (NWRO) shall be notified if the SWL is determined to be below the level normally recorded at that time of year. See enclosed form.
>
> This permit is subject to the implementation of the minimum requirements established in the Conservation Planning Requirements: Guidelines for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology and Conservation Programs, March 1994, which are enclosed.

REPORT BY: Alice McKelly DATE: 1-29-96