## To Appropriate the Public Waters of the State of Oregon

,	I, City of Cottage Grove Oregon (Name of applicant)
of	Cottage Grove , County of Lane (Postoffice)
State	of, do hereby make application for a permit to appropriate the
follou	ving described public waters of the State of Oregon, subject to existing rights:
	If the applicant is a corporation, give date and place of incorporation
	1. The source of the proposed appropriation is Coast Fork (Name of stream)
	, tributary of Willamette River
	2. The amount of water which the applicant intends to apply to beneficial use is 4.5
four	and one half cubic feet per second.
	3. The use to which the water is to be applied is
	(Irrigation, power, mining, manufacturing, domestic supplies, etc.)  Nunicipal Fire Protection
	4. The point of division is located S. 41 degrees 3200 ft. to SE corner Sec. 5.,  (Give distance and bearing to section corner)
T.	21 S., R. 3 W.
R	within the NW4 of the SE4 of Sec. 5 , Tp. 21 S (Give smallest legal subdivision) (No. N. or S.)  3 W , W. M., in the county of Lane  No. E. or W.)  5. The Pipe Line to be 1.7  (Main ditch, canal or pipe line) in length, terminating in the NW4 of the NW4 of Sec. 33 , Tp. 20 S (Smallest legal subdivision) (No. N. or S.)  3 W , W. M., the proposed location being shown throughout on the accompanying map.  No. E. or W.)  6. The name of the ditch, canal or other works is  er main extension for stand by Fire Protection for Cottage Grove, Oregon
	DESCRIPTION OF WORKS
DIVE	SION WORKS—
	7. (a) Height of dam feet, length on top feet, length at bottom
	feet; material to be used and character of construction (Loose rock, concrete, masonry,
rock an	d brush, timber crib, etc., wasteway over or around dam)
1 -	(b) Description of headgate (Timber, concrete, etc., number and size of openings)  Electric Driven, 2,000 g.p.m. pump, 100# pressure at the pump. Located on the of River at the point of diversion
	• A different form of application is provided where storage works are contemplated. These forms can be secured without charge.

## CANAL SYSTEM-

8.	(a) Give dimensions at each point of canal where materially changed	l in size, stating miles
from heads	gate. At headgate: Width on top (at water line)	feet; width on bottom
<del></del>	feet; depth of water feet; grade	feet fall per one
thousand f	eet.	
(b)	At miles from headgate: Width on top (at water line)	
•	feet; width on bottom feet; depth of water	feet;
grade	feet fall per one thousand feet.	
ı	2 Ga. Elec. Welded, (Beal)	······
1	2" O.D. Plate Steel Pipe under 100# pressure	·····
2	0.1engths connected with Dresser Couplings	
FIL	L IN THE FOLLOWING INFORMATION WHERE THE WATER IS	S USED FOR
IRRIGATION	<u>-</u>	
9.	The land to be irrigated has a total area of	acres, located in each
smallest le	gal subdivision, as follows:	which you intend to irrigate)
	······································	·
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		·
	(If more space required, attach separate sheet)	
Power, MI	NING, MANUFACTURING, OR TRANSPORTATION PURPOSES—	
10.	(a) Total amount of power to be developed	theoretical horsepower.
	(b) Total fall to be utilized feet.	
	(c) The nature of the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by means of which the power is to be determined to the works by the works	veloped
	(d) Such works to be located in(Legal subdivision)	of Sec,
<i>Tp.</i>	(Legal subdivision), R, W. M. or S.) (No. E. or W.)	
(No. N.	or S.) (No. E. or W.)  (e) Is water to be returned to any stream?(Yes or No)	
	(Yes or No)  (f) If so, name stream and locate point of return	
	, Sec, Tp, R, R.	
	(g) The use to which power is to be applied is	
	(h) The nature of the mines to be served.	

MUNICIP	ΔT.	SUPPI	Y
MINICIP	AL	DULLI	,,

Lene County, having a g	present population of3,000
d an estimated population of5,000	in 19 X 35
(Answer ques	stions 12, 13, 14, and 15 in all cases)
12. Estimated cost of proposed work	ks, \$ 25,000
	or before May 1, 1928
	leted on or before Aug. 15, 1928
	·
15 The mater will be completely an	miliant to the managed use on or before Alle. 30, 1928
	oplied to the proposed use on or before Aug. 30, 1928
Duplicate maps of the proposed ditch	h or other works, prepared in accordance with the rules of the CITY OF COTTAGE GROVE, a Municipal Corporation 1.
	h or other works, prepared in accordance with the rules of the CITY OF COTTAGE GROVE, a Municipal Corporation
Duplicate maps of the proposed ditch	h or other works, prepared in accordance with the rules of the CITY OF COTTAGE GROVE, a Municipal Corporation i.  By: Geo. O. Knowles, MAYOR
Duplicate maps of the proposed ditch	h or other works, prepared in accordance with the rules of the CITY OF COTTAGE GROVE, a Municipal Corporation.  By: Geo. O. Knowles, MAYOR  (Name of applicant)  By: C. H. Van Denburg
Duplicate maps of the proposed ditches ate Engineer, accompany this application Signed in the presence of us as witne	h or other works, prepared in accordance with the rules of the CITY OF COTTAGE GROVE, a Municipal Corporation.  By: Geo. O. Knowles, MAYOR  (Name of applicant)  By: C. H. Van Denburg  esses:  Cottage Grove, Oregon
Duplicate maps of the proposed ditchetate Engineer, accompany this application  Signed in the presence of us as witne	h or other works, prepared in accordance with the rules of the CITY OF COTTAGE GROVE, a Municipal Corporation.  By: Geo. O. Knowles, MAYOR  (Name of applicant)  By: C. H. Van Denburg

The water to be appropriated from the Coast Fork will be used for Fire protection only. The quantity asked for is four and one half cu. ft. per second. This quantity would be needed only when the pump is used to fight fire. The proposed main will be connected with the City Main at the south City Limits as shown on the drawings. An electric driven 2000 g. p. m. pump will be installed near the south end of the pipe line. This pump will be so constructed that a drop in pressure will start the pump which will help to maintain sufficient pressure and quantity of water for successful fire fighting any where along the line or in the City of Cottage Grove. A check valve will be placed at the City Limits which will keep the pumped water from entering the City maines should there be a fire outside the city. This check valve will be by passed so that if necessary the pumped water can be used. The water taken from the Coast Fork will be chlorinated.

The City of Cottage Grove has voted Bonds for this work and the State Board of Health has approved the plan if the water is chlorinated. The amount of water asked for seems large but it will be a continuous flow for a few hours only at the most. Undoubtedly there will be months at a time when the pump will not be operated.

A pump house will be built on the river bank at a point as designated. It is not necessary to build a dam of any kind as the water is sufficient depth at the pump location to furnish water.

The City main from the 1,000,000 gal. reservoir with a different source of supply will be connected with this Extension at all times. The reason for installing the pump is for a different source of supply and additional fix protection. The City main from Cottage Grove to Rujada on Lang Creek is not in very good shape, a wood pipe with 17 years of service and undoubtedly a good deal of replacement work will have to be done along the line in the near future.

The pipe to be used is 12 Ga plate steel pipe, well coasted with a mineral rubber compound. This pipe has been selected from the Beall Pipe & Tank Co. The outside Dia of the pipe is 12". The method of connection will be Dresser couplings, the pipe will be in 30' lengths.

This pipe is guaranteed to give satisfaction operating under a pressure of 100 pounds per square inch. The flow line of the pipe, (or in this case the bottom of the pipe) will be three feet under ground.

The safe working head for 12" twelve gage steel pipe is 578 ft. which puts this pipe well on the safe side. The pressure to be 100# at the pump. The pressure on City mains is 80 to 85 pounds.

Application No. 12015

Permit No. 8430

## PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

District No.....

		was first received in the ngineer at Salem, Oregon,	
٠.	on the 6th da	uy of April ,	•
	192 8, at 8:00	o'clockA. M.	
	Returned to applicar	nt for correction:	
SATE SECTION	v 1.99 <u> </u>		
	$\stackrel{\cdot}{Corrected}\ applicatio$	on received:	
	Approved:		
	April 24th, 19	928	
	Recorded in Book	k No. 28 of	
	Permits, on page	3 4 3 0	
•	RHEAL	UPER	
	1 map LAS	\$14.00	
	, I may mis	#===	
$STATE\ OF\ OREGON,$	88.		
County of Marion,			
This is to certify t	hat I have examined the imitations and conditions	foregoing application ans: If for irrigation, this o	d do hereby grant the same, appropriation shall be limited
This is to certify to the following list of one-eightieth of one cubes such reasonable rotations.	imitations and conditions bic foot per second, or its on system as may be orde	s: If for irrigation, this of equivalent, for each acress ered by the proper state of	appropriation shall be limited irrigated, and shall be subject fficer.
This is to certify to the following list of one-eightieth of one cubes such reasonable rotation.  The ri	imitations and conditions bic foot per second, or its on system as may be orde ght herein granted i	s: If for irrigation, this of equivalent, for each acress ered by the proper state of is limited to the app	irrigated, and shall be subject ficer.  ropriation of water from
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This form approved by the State Water Board, March 11, 1909.