2013-57.9.06.30

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OKANAGAN CENTRE, B.C.

It is granted that the Storage Licence holders on Vernon Creek are responsible for a certain amount of water being passed down to the holders of Licences on water out of Duck Lake creek.

It would be an uneconomic waste to run any water into Duck Lake.

A change in the bye-pass used during the past few years is necessary.

By clearing out the Indian Reserve and the 118 ditch and building a flume on the road way, about 500 feet, and putting a culvert under the C.N.R. and the side road to the packing houses, water could be bye-passed into Duck Lake Creek at a cost of about $250.00. This would be the cheapest method of complying with the Water Comptrollers requirements.

It is estimated that 255 acre feet of water is lost by running water through the open ditches, over a period of 75 days.

The quantity of water required to be passed down is as follows.

Duck Lake creek users. (with possible reduction)	6.17	acre feet per day
Lot 118.	3.61	" " " "
Indian Reserve (for May & June (60 days.)	1.93	" " " "
	11.71	" "
Plus about 30% loss. allowance.	5.29	
		17.00
If the above were carried in flume the loss would be only 10% or	1.43	
Total amount passed down.	11.71	
		13.14
If all water were carried in flume,		3.86

should be saved. or about 255 acre feet.

If only Duck Lake Creek record water is carried the saving would only be 130 acre feet.

If only Duck L. Creek users & Indians are carried in flume the saving would be about 150 ac feet.

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The distance from 118 intake from Vernon creek to the Fence line on the Reserve is 3828 feet. From this point to C.N.R. 1518' or total flume of 5346' It is estimated that a flume 20" bottom 10" sides will carry on this grade about acre feet.

an 18" cement culvert under C.N.R. and Indian trail.

an open ditch from C.N.R. to Duck Lake Creek with one bridge near creek.

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It is proposed that the Winfield & OK. Centre Irrigation improvement district build a bye-pass flume large enough to carry all necessary water for Duck Lake revs. 118 & Indian reserve.

That a flume be built from near the present intake from Vernon Creek, for 118 & Indians. on as near a direct line as possible to a fence line 660' south of the Clark road. Thence west along the North side of this fence to the C.N.R. and from C.N.R. to creek a ditch be built to carry water for Duck Lake records.

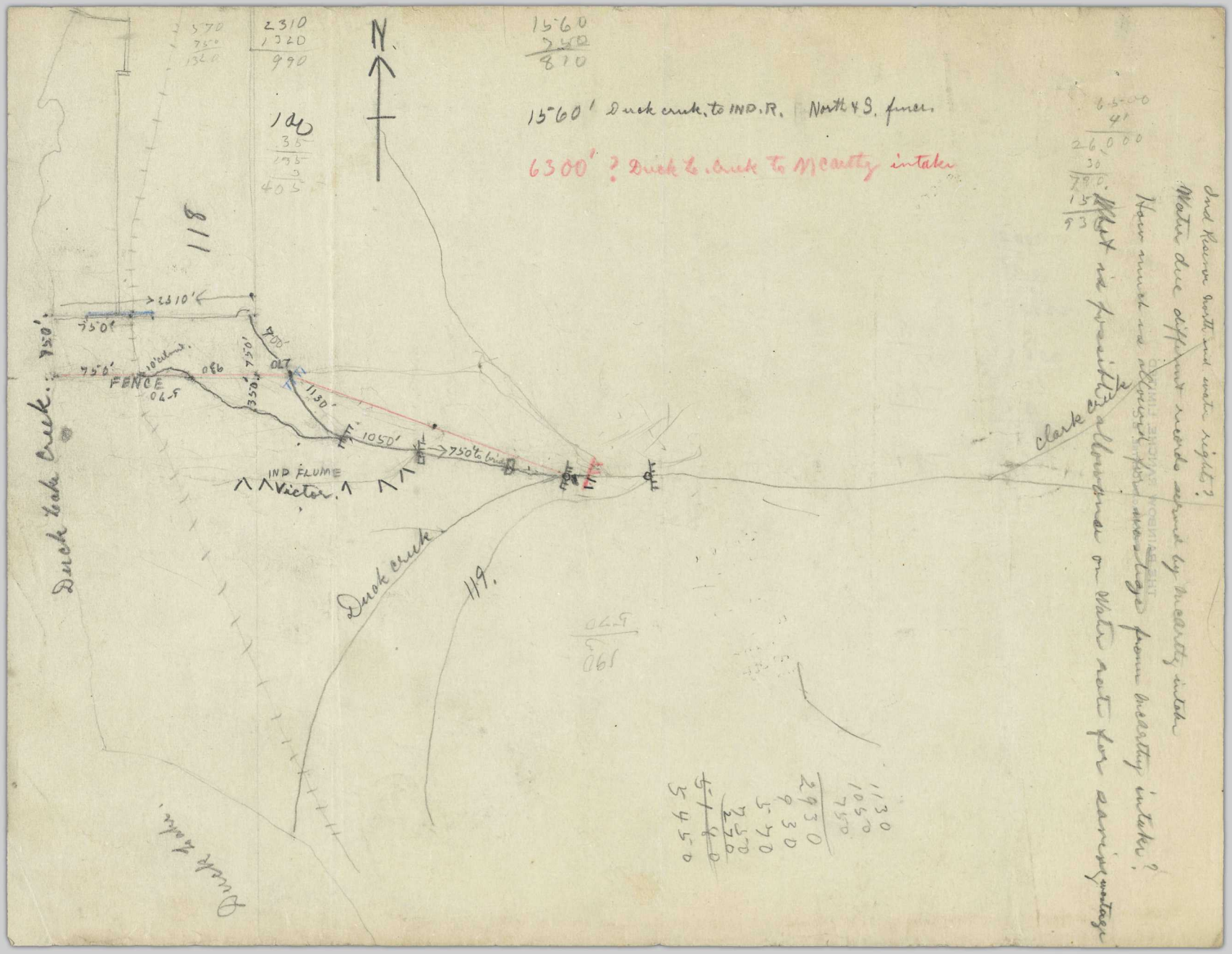
It is necessary to give the Indian Department some compensation for passing through the Reserve.

It is proposed that water be delivered to them at three different points if necessary, but only from two points at any one time. The first point North East from Victors present intake. The second point near the present intake for the McDougal ditch. The third on the fence line running East & West.

It will be necessary to enter into an agreement with the Indian Department on these lines.

An intake works to be constructed so that any part might be turned down the 118 ditch.

Outlets to be made at Victors and McDougals ditches and also where the flume crosses the 118 ditch near the Reserve Eastern boundry.



And Heaven knows what else by McCarty intake

Water due different records agreed by McCarty intake

How much are allowed for seepage from McCarty intake?

What is freight allowance on water rate for carrying seepage

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3 1/2	3 3 1 0 0
1 3/4	
3.14	

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