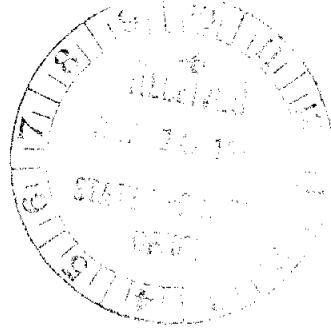


Spanish Fork, Utah
August 31, 1955



Mr. Joseph M. Tracy
State Engineer
403 State Capitol
Salt Lake City 1, Utah

Spanish Fork Distribution

Dear Sir:

Here is a list of the various turnouts on the Spanish Fork Distribution System that you ask about in your letter of August 25, 1955.

Lower or Valley Distribution

East Bench Canal owner East Bench Canal Company

This turnout has a concrete diversion dam with two 20 foot radial gates, a radial turnout gate, has a concrete rating flume with a outside staff gage a inside hook gage and a Stevens type E 8 day water level recorder. There is no locks on the gates or rating flume gage house.

Springville & Mapleton Lateral - owner- Springville & Mapleton Irr. Co

This turnout has a screw type gate set in concrete at the head of their lateral which heads in the Strawberry Project's Power Canal. They have a concrete rating flume with hook gage and a Stevens type E water level recorder. There is no lock on the gate but they have a lock on their rating flume gate house.

Turnout "C" owner R. E. Jex

This turnout has a screw type gate set in concrete a three foot cipolletti weir with a gage set on a peg approximately 4 feet up stream from the crest of the weir there is no lock on this gate.

High Line Canal owner Strawberry High Line Canal Company

This turnout has a concrete rating flume with a inside staff gage and hook gage and a Stevens type E water level recorder, also the High Line turnout gates are two screw type 4'X4' iron gates are rated as an orffice, these gates have a 7.4 foot maximum head in the forbay is recorded by Stevens type E water level recorder therefore, two checks are made on this water.

Salem Canal owner The Salem Canal Company

The turnout for the Salem Canal is maintained jointly with the South Field Canal, their gate is a duel screw type iron gate set in concrete is located approximately one half mile below the Power Plant. These gates are made of lumber with iron stems and hand wheels. They have a concrete rating flume with a outside staff gage and a Stevens type E water level recorder. The gaging house and joint gates are locked.

South Field Canal

owner Spanish Fork South Irrigation Co.

This turnout has a concrete diversion dam. Their headgates are made of lumber with iron stems and hand wheels. During low water they divert from the tailrace of the Power Plant and during high water they divert their water from the river. They maintain a joint canal from the Power Plant with Salem Canal Co. Their joint canal gates are of lumber with iron stems and hand wheels, they have a concrete rating flume with outside and inside staff gages and a Stevens type E water level recorder. There are no locks on their gates but their gaging house is locked.

Mill Race

owner

Spanish Fork West Field Irrigation Co.
Spanish Fork Southeast Field Irr. Co.
Spanish Fork City

Their dam is of concrete and in bad condition. Their headgate to the Mill Race is of concrete with iron gates, stems and hand wheels, their gaging station, a concrete rating flume with outside and inside staff gages a hook gage and a Stevens type E water level recorder. This gage house is locked also the gates because of the fishing and swimming hole at this place.

Lake Shore Canal

owner

Lake Shore Irrigation Company

Their dam is of concrete (radial gate design). The headgate is of lumber and concrete with iron stems and hand wheels the gaging station is a concrete rating flume with outside and inside staff gages and a Stevens type E water level recorder. During high water their water is measured at this point but during low water their water is measured approximately five miles up stream at the City or Mill Race dam. At this point they have iron gates set in concrete with stems and hand wheels. Their gaging station is a 6 foot cipolletti weir with outside and inside staff gages, a hook gage and a Stevens type E water level recorder. The gage house to this station is locked.

Upper or Canyon Diversion

* Jones Ditch

owner

Gate buried by Flood Cannot be handled properly
R.L. Mitchell

This turnout has a iron gate installed with ~~eight~~ *seven* feet of corrugated pipe to keep from leaking. It has a cipolletti weir below the gate. *Lower Jones ditch gate to lock*
** their brought 500 ft upstream*
Seven type concrete lining walls

Santaquin Ditch

owner

R.L. Mitchell

This turnout has a iron gate installed with eight feet of corrugated pipe. It has a cipolletti weir below the gate. *OK*

Spencer Ditches, east and west,

owner

R.L. Mitchell

These turnouts are only used during high water and have no gates or measuring devices.

* Morrison Ditch

owner

R.L. Mitchell

New Slide with holes for lock.

This turnout has a iron gate installed with eight feet of corrugated pipe. It has a cipolletti weir below the gate.

* R.L. Mitchell Ditch owners R.L. Mitchell & Clinton Irrigation Co.

This turnout has a iron gate installed with eight feet of corrugated pipe with a cipolletti weir below the gate.

* Order sent out. 9/22/56

Siler Ditch owner George A. Siler
This turnout has a iron gate installed with eight of corrugated pipe with a cipolletti weir below the gate. *install Weir - look provision for gate*

Collett Ditch owner Ernest Mitchell
This turnout has a iron gate installed with corrugated pipe with a cipolletti weir below the gate. *Install mess device on Culvert gate*

Minidoka Ditch owners Ernest Mitchell and Sidney Elmer
This turnout has a calco iron gate with eight feet of corrugated pipe, it has a cipolletti weir below the gate. *OK Rock*

Winward Ditch owners Ernest Mitchell and Sidney B. Elmer
This turnout has a calco iron gate with eight feet of corrugated pipe has a cipolletti weir below the gate. *OK Rocks*

Mitchell Ditch owners- Clinton Irr. Co., Ernest Mitchell *Rock*
Ruby Poulsen and Floyd Gardner
This turnout has a iron gate installed ~~with eight~~ with eight feet of corrugated pipe it has a cipolletti weir below the gate.

Clinton Ditch owners- Clinton Irr. Co., John Oberhansley, Floyd Gardner
Earl Gardner and Sidney B. Elmer
This turnout has a ^{calco} iron gate installed with eight feet of corrugated pipe with a cipolletti weir below the gate. *OK*

Gardner Knole Ditch owners Clinton Irr. Co. and Floyd Gardner
This turnout has a calco gate with eight of corrugated pipe. The weir a one foot cipolletti is in bad repair and should be re-installed. *badly located 18"*

Sunny Slope Ditch owners Clinton Irr. Co., John Oberhansley
Earl Gardner, Selby Dixon, and Ruby Poulsen
This turnout has a calco gate with eight of corrugated pipe with a cipolletti weir below the gate. *OK Chain & Hook Wheel on gate stem*

Crab Ditch owners Clinton Irr. Co. and Selby Dixon
This turnout has a calco gate which is now setting on the bank of the ditch due to wash outs. The measuring device for this is a cipolletti weir located one half mile down stream from the turnout. Mr. Dixon is in process of restalling the gate at present time. *OK*

Aggie Ditch owners Clinton Irr. Co. and Selby Dixon
This turnout has no headgate or measuring device. Very little water is used in this ditch, however, a headgate and weir should be installed. *Headgate & Weir needed on Calco meter gate*

Jackson Crab Ditch owners Clinton Irr. Co. and William Jackson
This turnout has a calco gate with a cipolletti weir below. *OK Rock*

Jackson West Ditch owners Clinton Irr. Co. and William Jackson
OK This turnout has a calco gate with a cipolletti weir below.

Jackson East Ditch owners Clinton Irr. Co. and William Jackson
This turnout has a iron gate with corrugated pipe, a cipolletti weir. *by Rock Install Weir Washed out*

Lewis Sheep Creek Ditch owner C.E. Dansie
This turnout has a calco gate and a cipolletti weir. The weir is full of gravel. This is our worst flood section. *No nothing Flood*

Lewis Dairy Fork Ditch owner C.E. Dansie
This turnout has a calco iron gate and a cipolletti weir. Except for weir pond filling with gravel at times the installation is satisfactory.

Lewis Soldier Fork Ditch owner ~~Kenner B. Clayton~~ C.F. Dansie
This turnout has a three inch pump. The old dam washed out in 1952. There is no headgate or weir. *No sense*

Eliass Gardner Ditch owner Kenner B. Clayton
This turnout has a iron gate and a cipolletti weir. The weir is down stream from some small irrigation and should be placed above all irrigation. *Lock Well at squash field*

Robert Pace Ditch owner Robert Pace
This turnout has a iron gate and cipolletti weir. *Weir in main ditch*

Smith Ditch owner John Hunter
This turnout has a calco gate and cipolletti weir. *OK*

Ridgley Ditch owner ^{Walter E. Ridgley}
This turnout has a lumber gate, but cannot be locked. Weir is washed out. *Calco gate & weir*

Levanger Ditch owner Edward Spalding
This turnout has a iron gate, the weir is down stream but ahead of all irrigation. *Turkey new headgate Calco*

Hayes Upper Ditch owners Edward Spalding & Myron D. Childs
This turnout has a good iron gate but no weir. *No Weir 3 foot*

Hayes Lower Ditch owner Myron D. Childs
This turnout has a head gate but no weir. Mr. Childs is doing some extensive leveling of the farm and as yet does not know where to make a permanent installation. *Springhill*

William A. Pace Ditch owner William A. Pace
This turnout has a calco gate. The weir was taken out by the State Road and has not been replaced as yet. *State Road replace Weir*

I would suggest that where they are not now installed, that gates of the calco design with screw stems and hand wheels be installed, and that all gates locked and the commissioner furnished with a key.

I hope this is the information you wanted, if you want more detail I will be glad to help in any way.

I suggest you send someone from your office down here to go over this system with Mr. Vincent or Me.

Very truly yours
J. Wayne Francis
J. Wayne Francis
Water Commissioner
Spanish Fork, Utah