

MSAWWA/MWEA & RMC- APWA Annual Conference

2011

A Look Back

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman

Unloading the Pipe



1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Digging the Trench



1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Caulking the Joints

Air Compressor



1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman

The Biggest Little Pump



The Evinrude Pump

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman

City Manager
FM Brown



City Engineer
LS Thorpe

Water Boy
Herbert Lay



1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



**Cast Bend
100 ft. N. of Valve House**



Curve near E. Gal.

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Shaft on Tunnel Under N.P.
Tracks



The Valves

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Re-Laying Cast Iron Pipe that gave 36 years service on the original supply main.

Photos Courtesy of The City of Bozeman

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Bert Lay
Pouring a Lead Joint



A Piece of the
Old Wood Main

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



April 25, 1928

Photos Courtesy of The City of Bozeman

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman

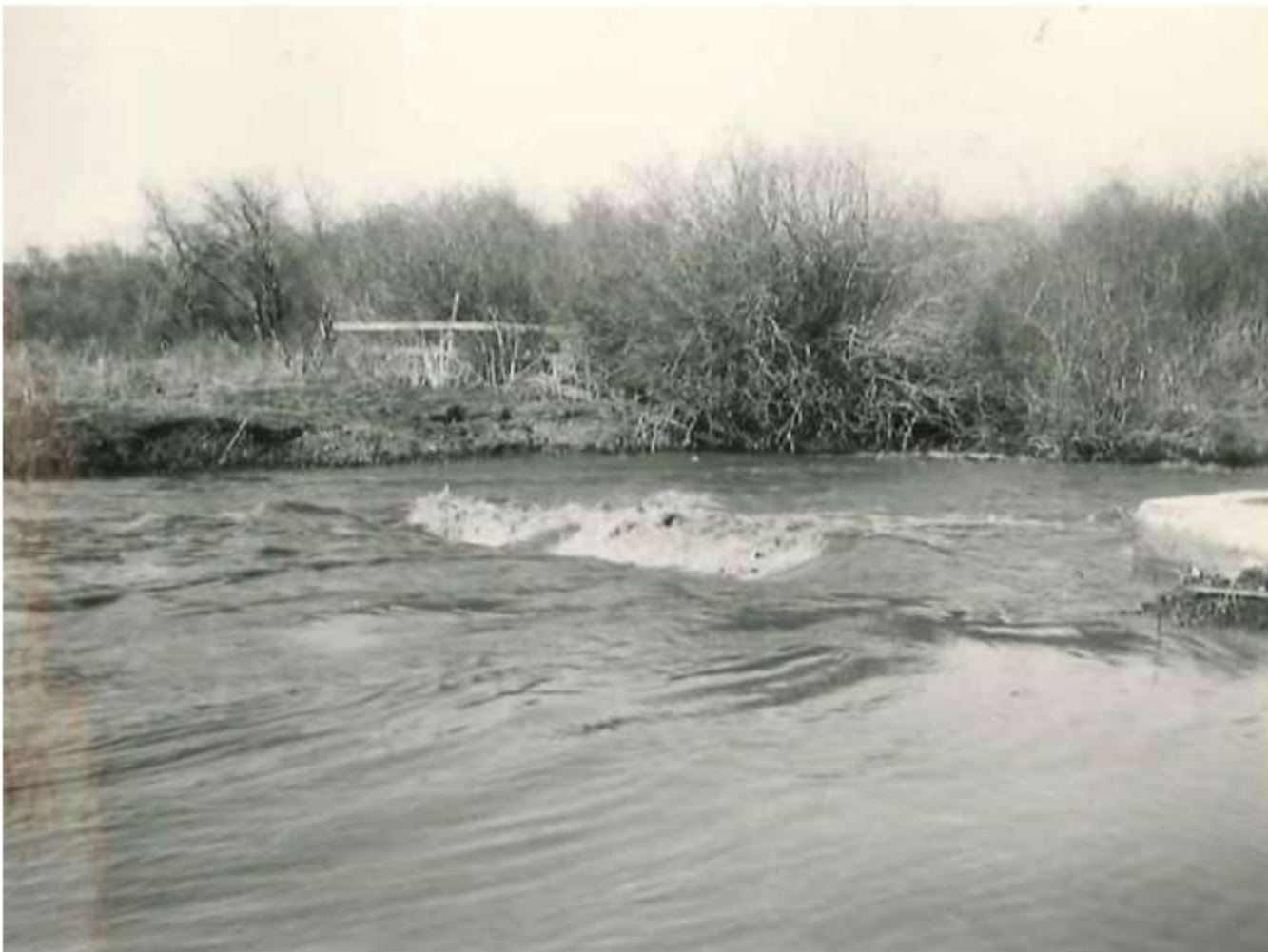


Pipe Piled
Near Mill

Roads Too
Muddy for
Hauling

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



High Water
on East
Gallatin
River

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



April 26,
1928
The First
Bucketful

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



New 18"
Cast Iron
Pipe Being
Installed
Under Old
16" Wood

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Kink in Line
at Crossing
of Old
Wood Main

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Old Wood
Main

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Through Al
Grantham's
Lawn

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Crossing RR
Tracks
North of Mill

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Some More
Railroad
Crossings

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Crossing
Under Old
Kalemein
Main
10" - 1889

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



A Straight
Line

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Rasmussen
& Brown

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Bridger
Creek
Crossing

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Bridger
Creek

Too Much
Water

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Tearing out
Sack Dams
at Bridger
Creek

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Starting the
Steep
Climb

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Half Way Up
Grade = 25%

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



At the Top

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Laying Pipe Up
the Hill

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



The Junction
just below
Reservoir

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



The East
Branch
16"

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



The Tunnel's Mouth
Under the Dam

1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Looking Toward
Bozeman from
Reservoir



1927-28 Water Main Job

18" Cast Iron from Lyman Creek to Town Main in Bozeman



Lyman Creek
Reservoir

City of Glendive Streets



City of Glendive Streets



Photos Courtesy of The City of Glendive

City of Glendive Streets



Photos Courtesy of The City of Glendive

City of Glendive Streets



City of Glendive Streets



City of Glendive Streets



Photos Courtesy of The City of Glendive

City of Glendive Streets



City of Glendive Streets



City of Glendive Streets



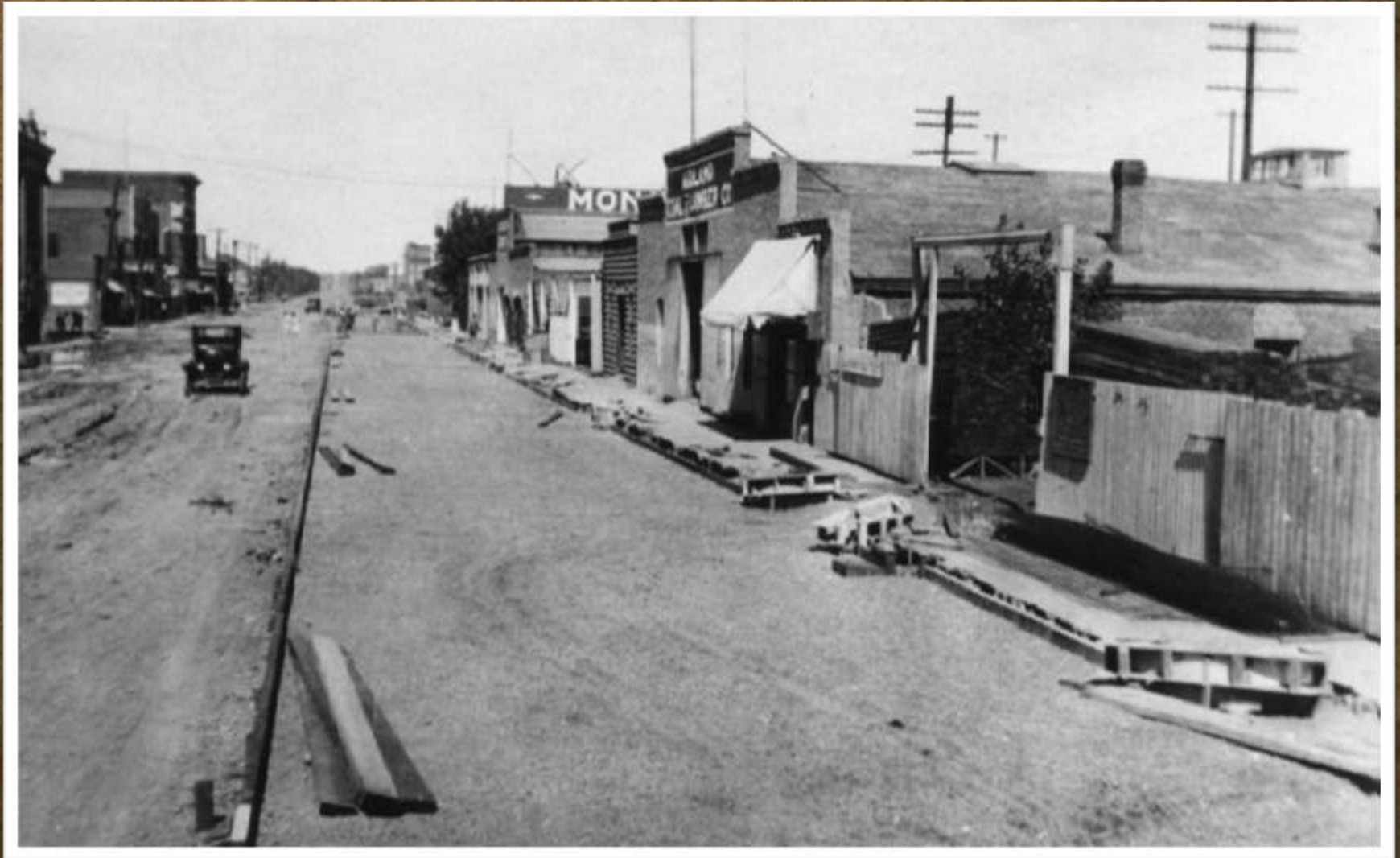
City of Glendive Streets



City of Glendive Streets



City of Glendive Streets



City of Glendive Streets



Photos Courtesy of The City of Glendive

City of Glendive Streets



City of Glendive Streets

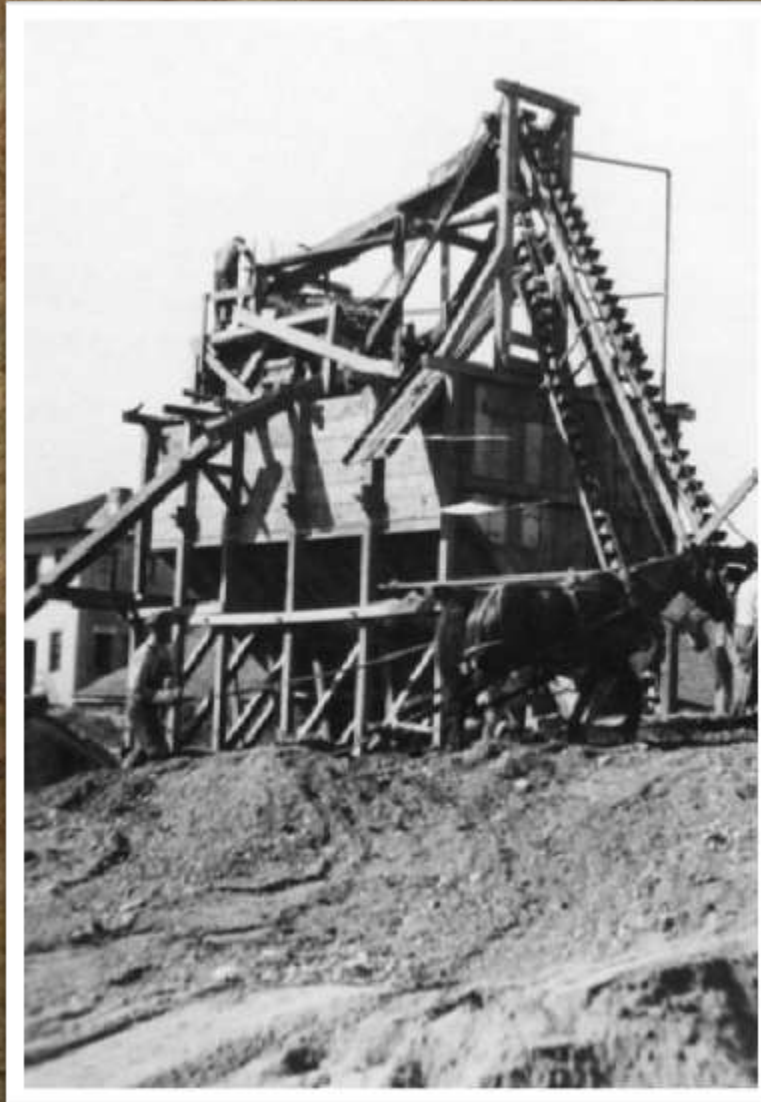


Gallows - 1898 -
Story written by
Yellowstone Monitor
Hurst - was hung after
murdering George Covarragh
Recapied by N C Rennie
when Hoale had it -

City of Glendive Streets



City of Glendive Streets



Photos Courtesy of The City of Glendive

Helena Wastewater Treatment Then and Now

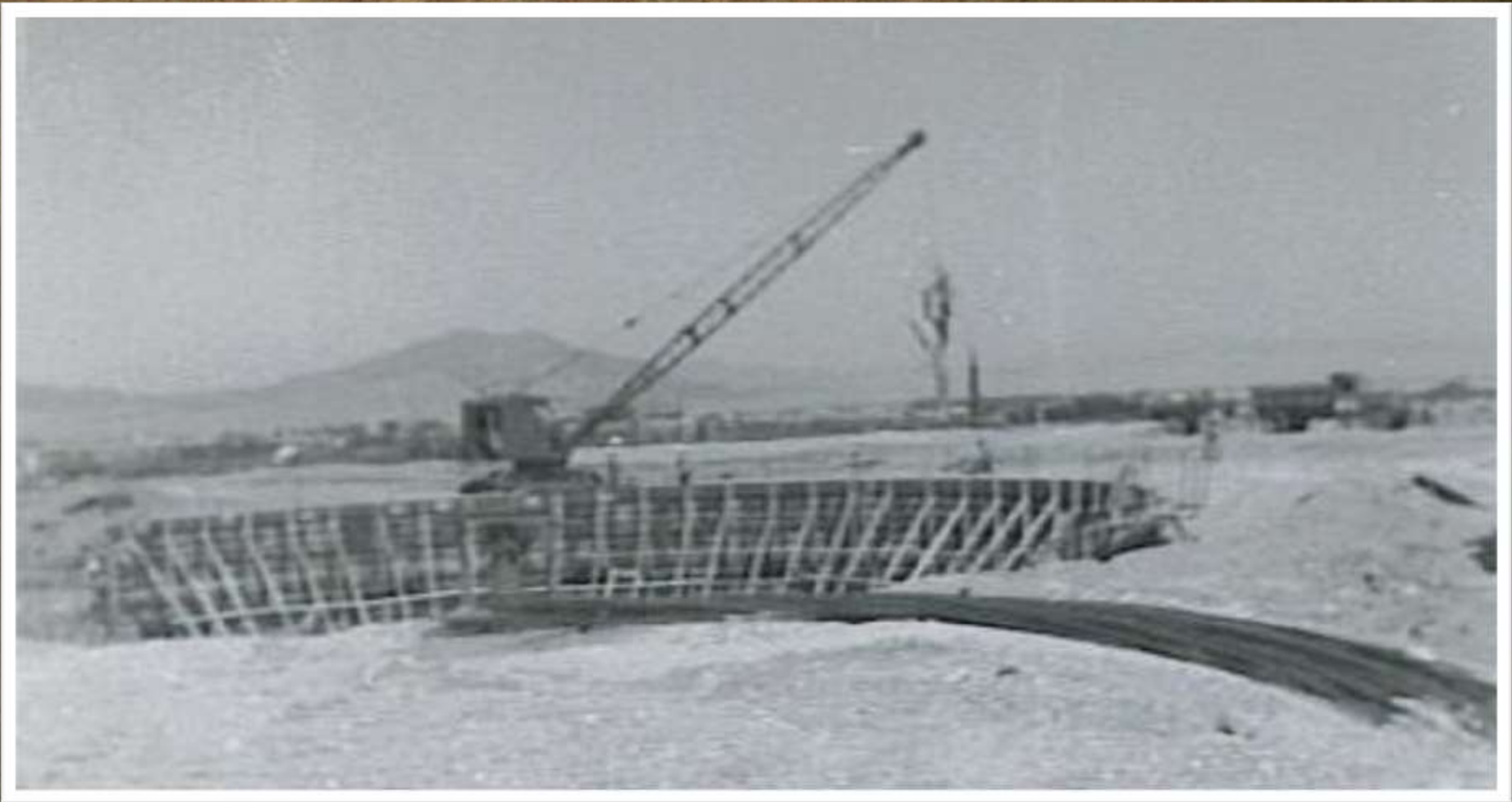


Helena Primary Treatment Plant circa 1960

Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Forming Primary Clarifier

Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



**Jim Melstad's
Car Early One
Saturday Morning
After A Bender.**

Helena Wastewater Treatment

Then and Now



**Grit Chamber
ca 1960**

Helena Wastewater Treatment

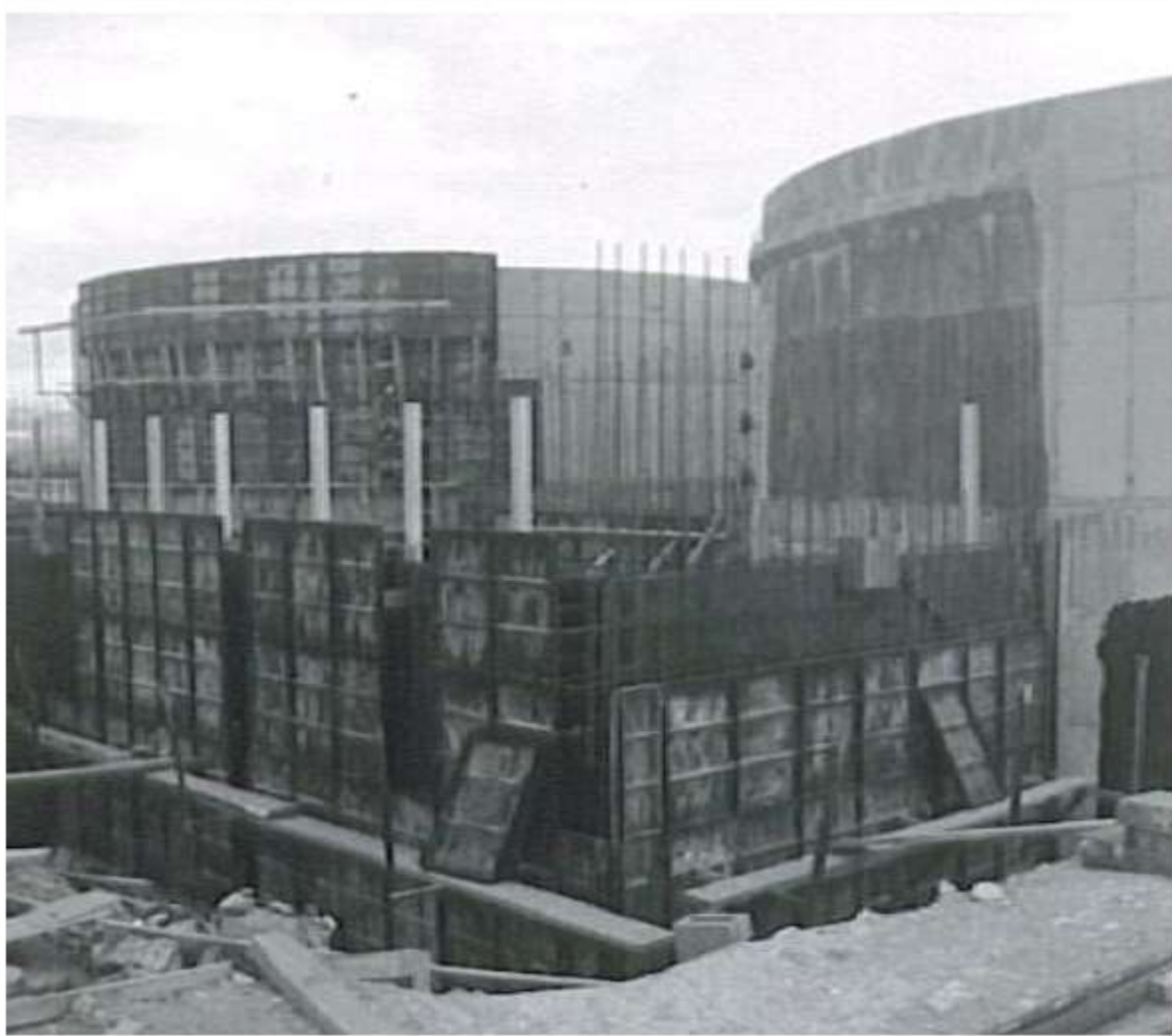
Then and Now



Early
Construction,
ca 1960

Helena Wastewater Treatment

Then and Now



**Pouring
Digester Walls
ca 1960s**

Helena Wastewater Treatment

Then and Now



Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Grit Chamber and Primary Clarifier - ca 1960s

Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Helena Secondary Treatment Plant - ca 1980

Helena Wastewater Treatment

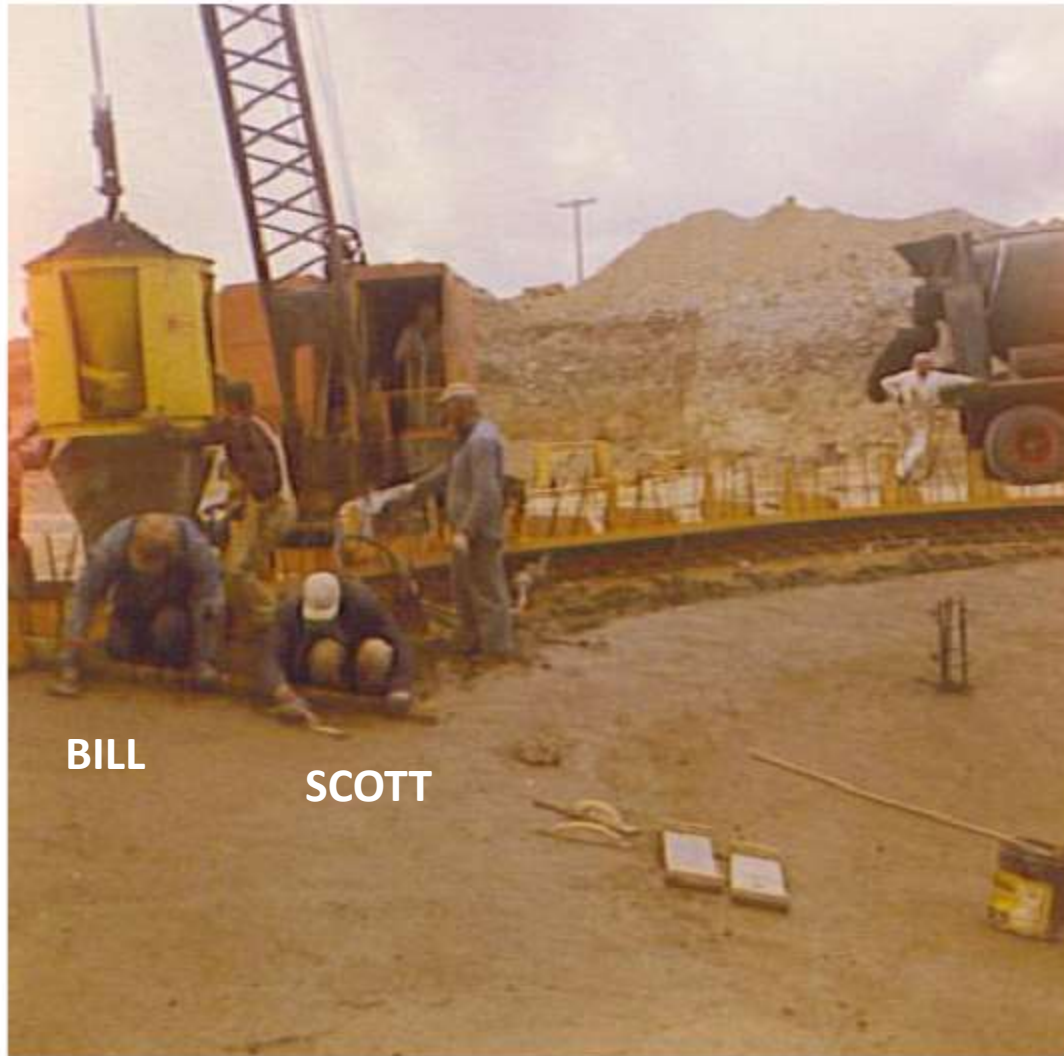
Then and Now



Pouring Secondary
Clarifier Floor- ca
1980

Helena Wastewater Treatment

Then and Now

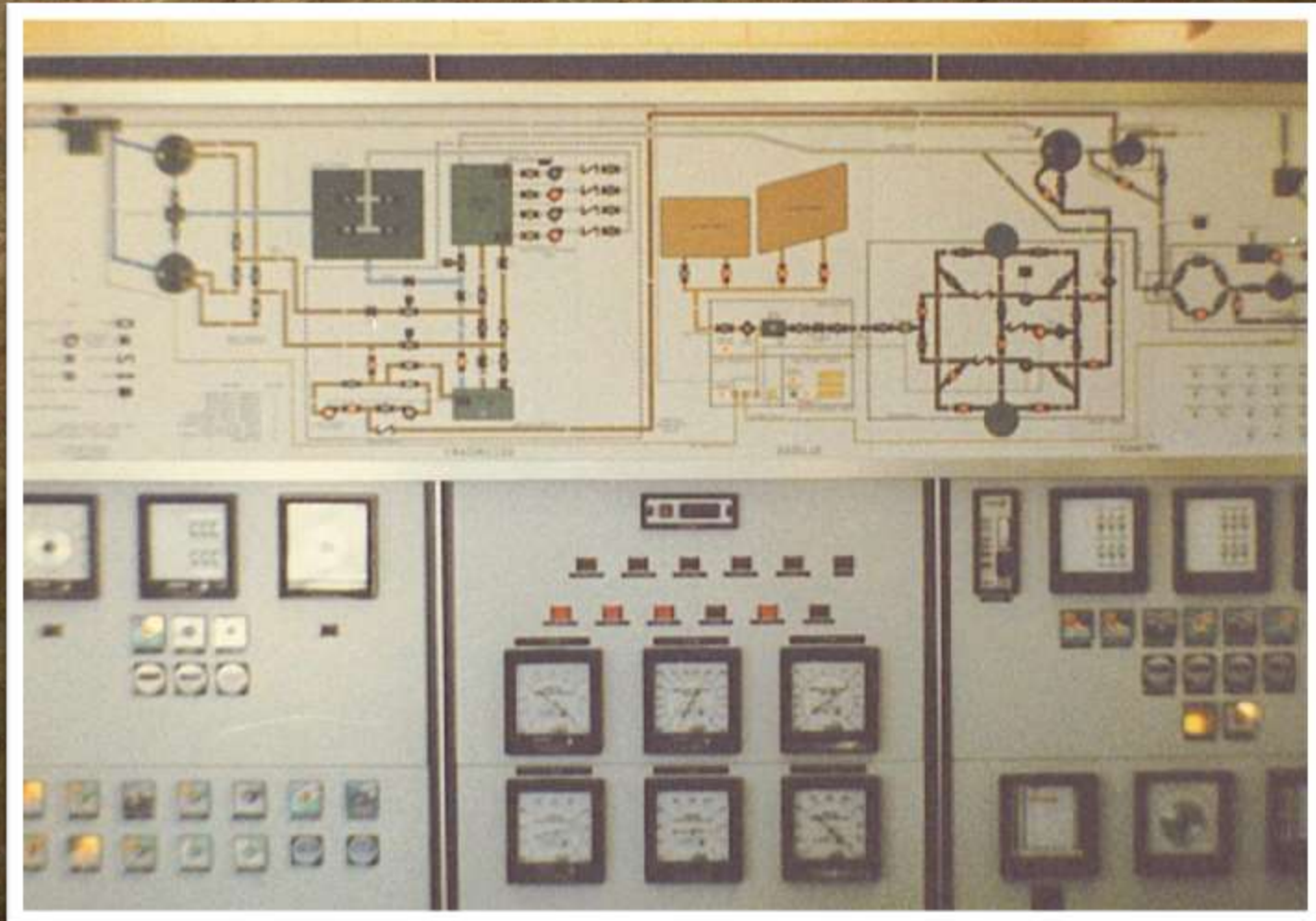


BILL

SCOTT

**Scott Anderson
and Bill Bahr –
The Early Years**

Helena Wastewater Treatment Then and Now



Old Control Panel

Photos Courtesy of The City of Helena

Helena Wastewater Treatment Then and Now



Helena
Secondary
Treatment
Plant
Ca 1980

Helena Wastewater Treatment

Then and Now



**Secondary
Treatment
ABF Tower
During
Demolition
in 2000**

Helena Wastewater Treatment

Then and Now

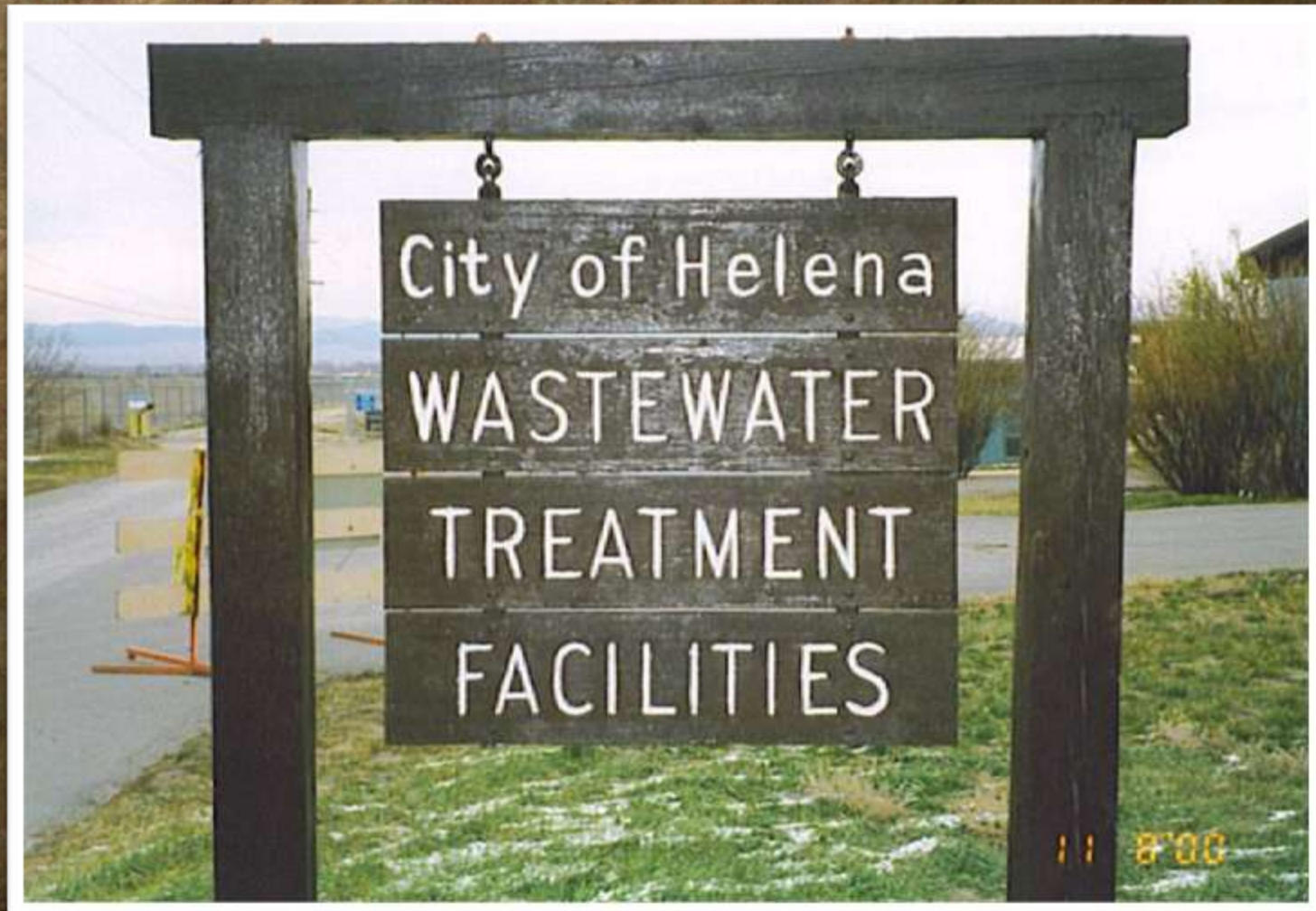


Demolition of ABF Tower, 2000

Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Old Entrance Sign

Photos Courtesy of The City of Helena

Helena Wastewater Treatment Then and Now



New Entrance Sign

Helena Wastewater Treatment Then and Now



Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Installing Second Belt Filter Press, 2000

Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Construction of New Secondary Reactor & Other Upgrades, 2000

Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Digester Floating Cover Removed

Helena Wastewater Treatment

Then and Now



Installing New
Secondary
Digester Cover

Helena Wastewater Treatment Then and Now



Upgrade 2000

Helena Wastewater Treatment Then and Now



Helena Wastewater Treatment Facility Today

Helena Wastewater Treatment Then and Now

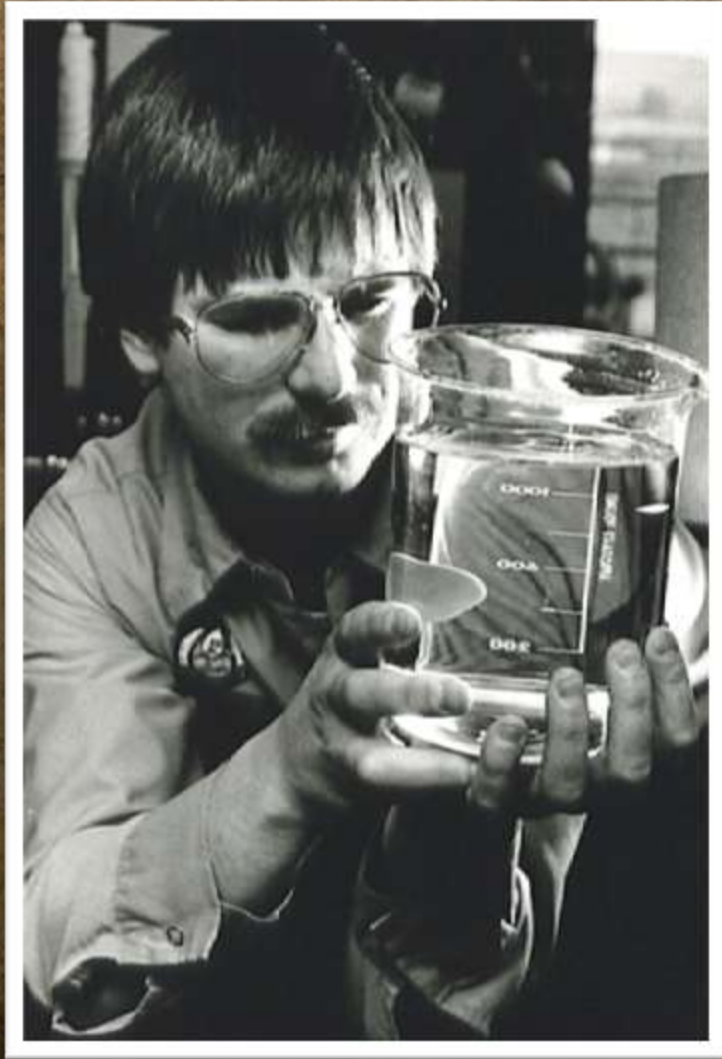


Helena Wastewater Treatment Facility 2006

Photos Courtesy of The City of Helena

Helena Wastewater Treatment

Then and Now



Leonard Willet as
a Young Boy

Helena Water Treatment

A Historical Perspective



Chessman Wheelhouse ca 1980s

Helena Water Treatment

A Historical Perspective



Chessman Wheelhouse 2002

Helena Water Treatment

A Historical Perspective

BED ROCK SYSTEM.

This consists of underground sources located at the Southwesterly limits of the City. The water is obtained by diversion from the re-fills channel of a stream that had once been mined for placer gold.

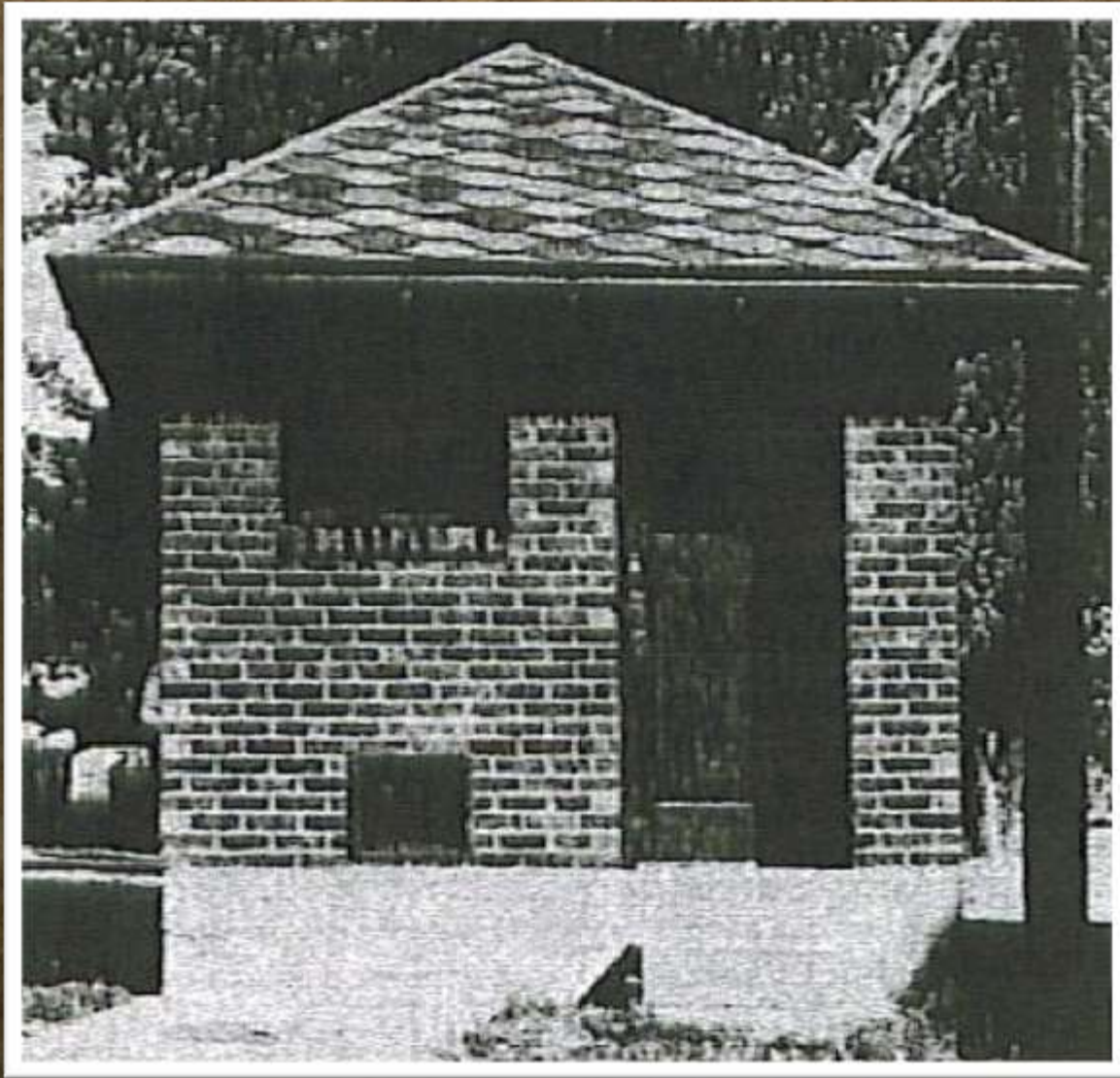
The conduit from this source ends in a concrete sump, is then chlorinated, and then discharged from the sump either as waste or enters the Eureka shaft to be pumped and supplement if need be, the Ten Mile or Hale system by reason of heavy draft. The supply from this source is insignificant compared with the total water used, and only at certain times can be used.



BED ROCK CHLORINE HOUSE

Helena Water Treatment

A Historical Perspective



**Eureka
Wellhouse 1960**

Helena Water Treatment

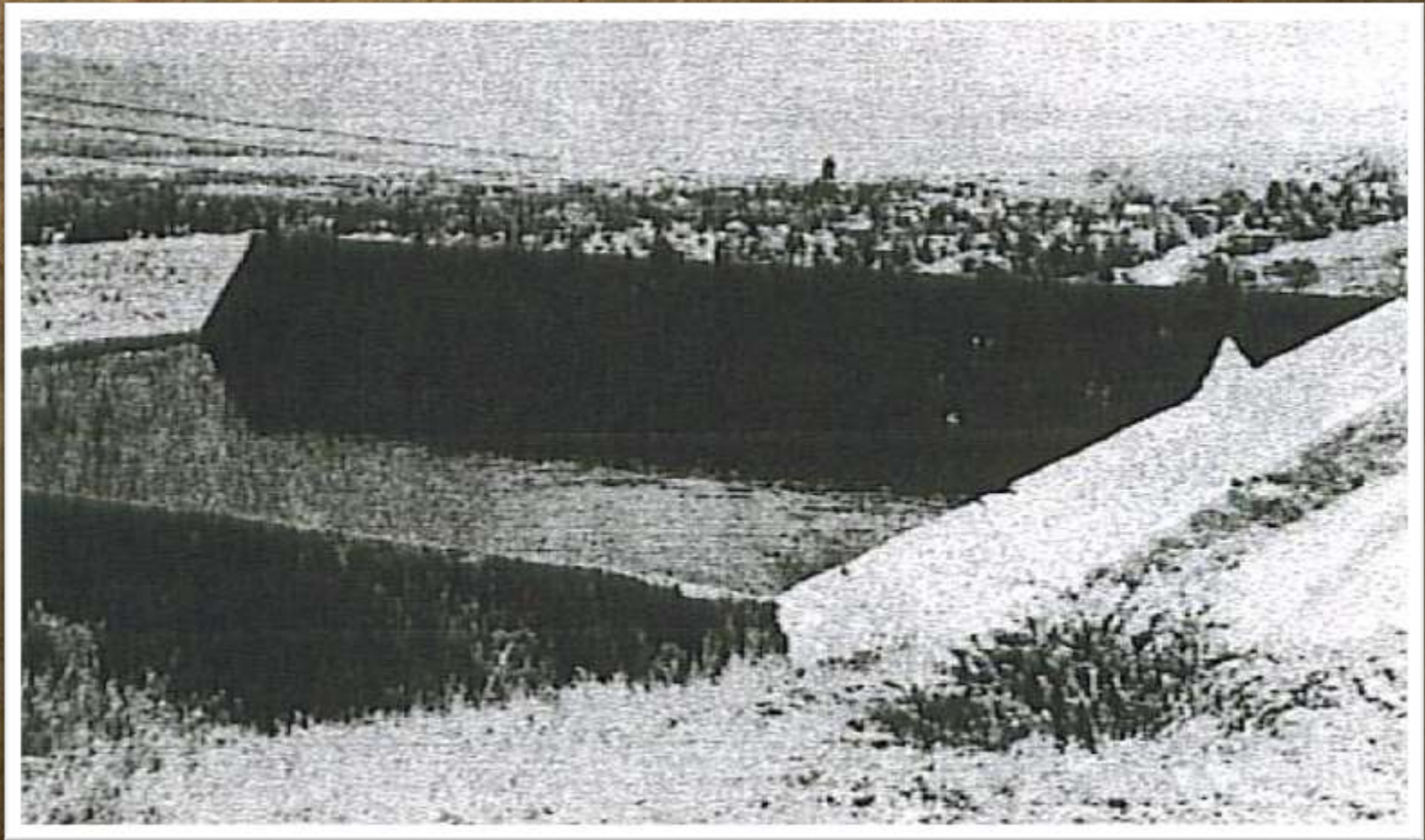
A Historical Perspective



Eureka Wellhouse 2006

Helena Water Treatment

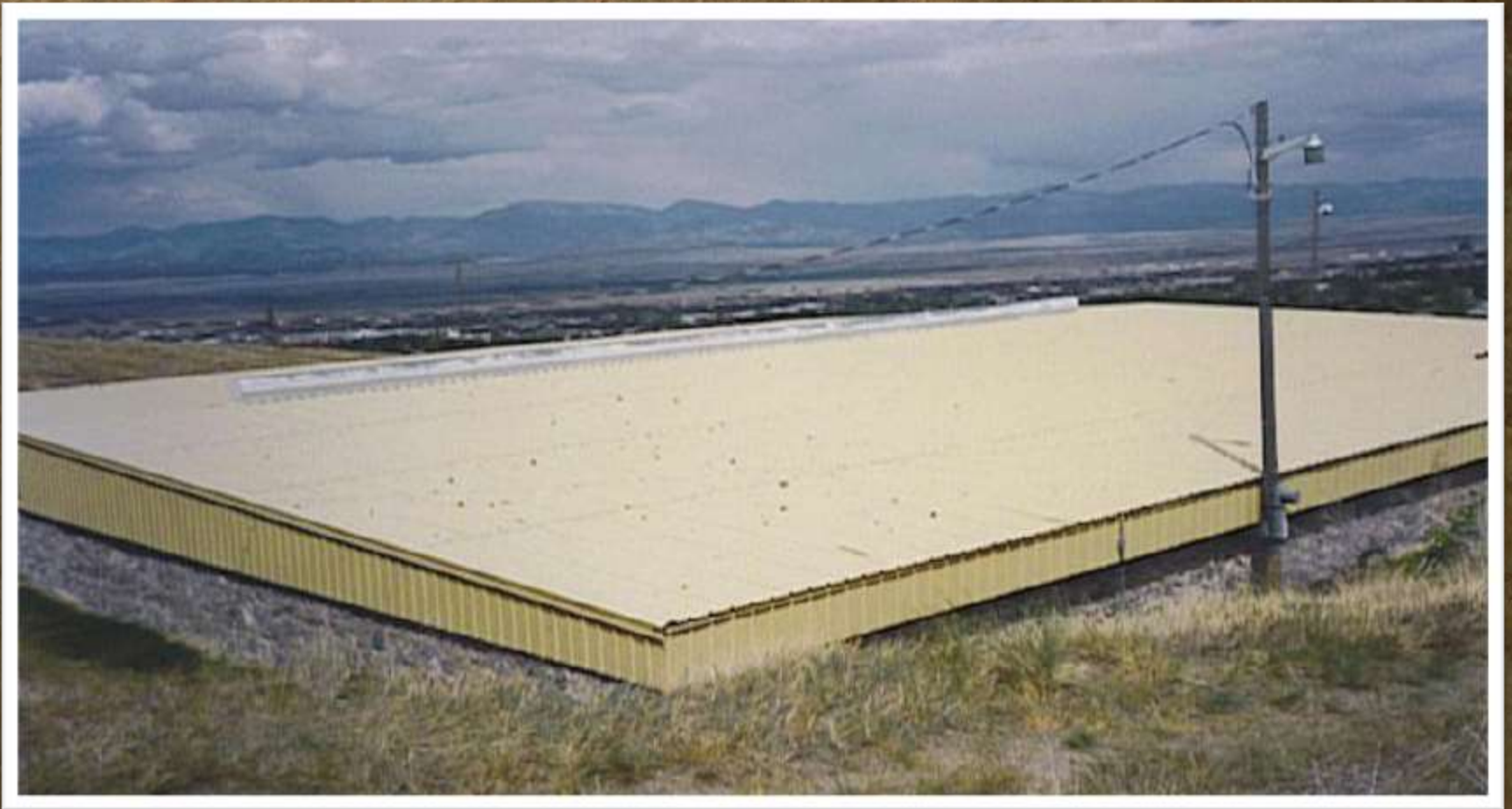
A Historical Perspective



Hale Reservoir 1960

Helena Water Treatment

A Historical Perspective



Hale Reservoir 2000

Helena Water Treatment

A Historical Perspective



Knob Hill Reservoir Prep Work 2002

Helena Water Treatment

A Historical Perspective



Knob Hill Reservoir Floor Pour 2002

Photos Courtesy of The City of Helena

Helena Water Treatment

A Historical Perspective



Knob Hill Reservoir Wall Pours 2002

Photos Courtesy of The City of Helena

Helena Water Treatment

A Historical Perspective

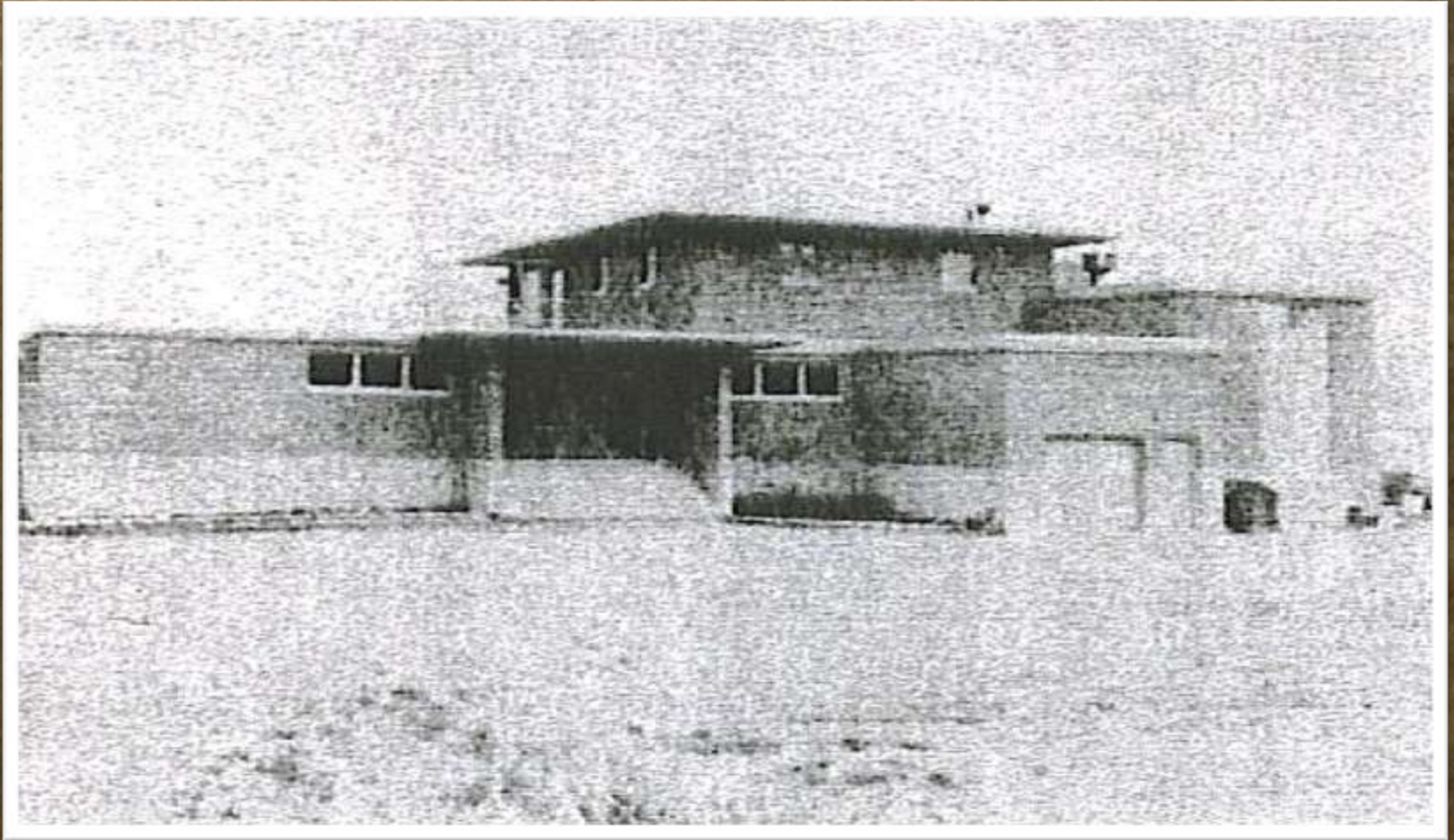


Knob Hill Reservoir Complete 2002

Photos Courtesy of The City of Helena

Helena Water Treatment

A Historical Perspective

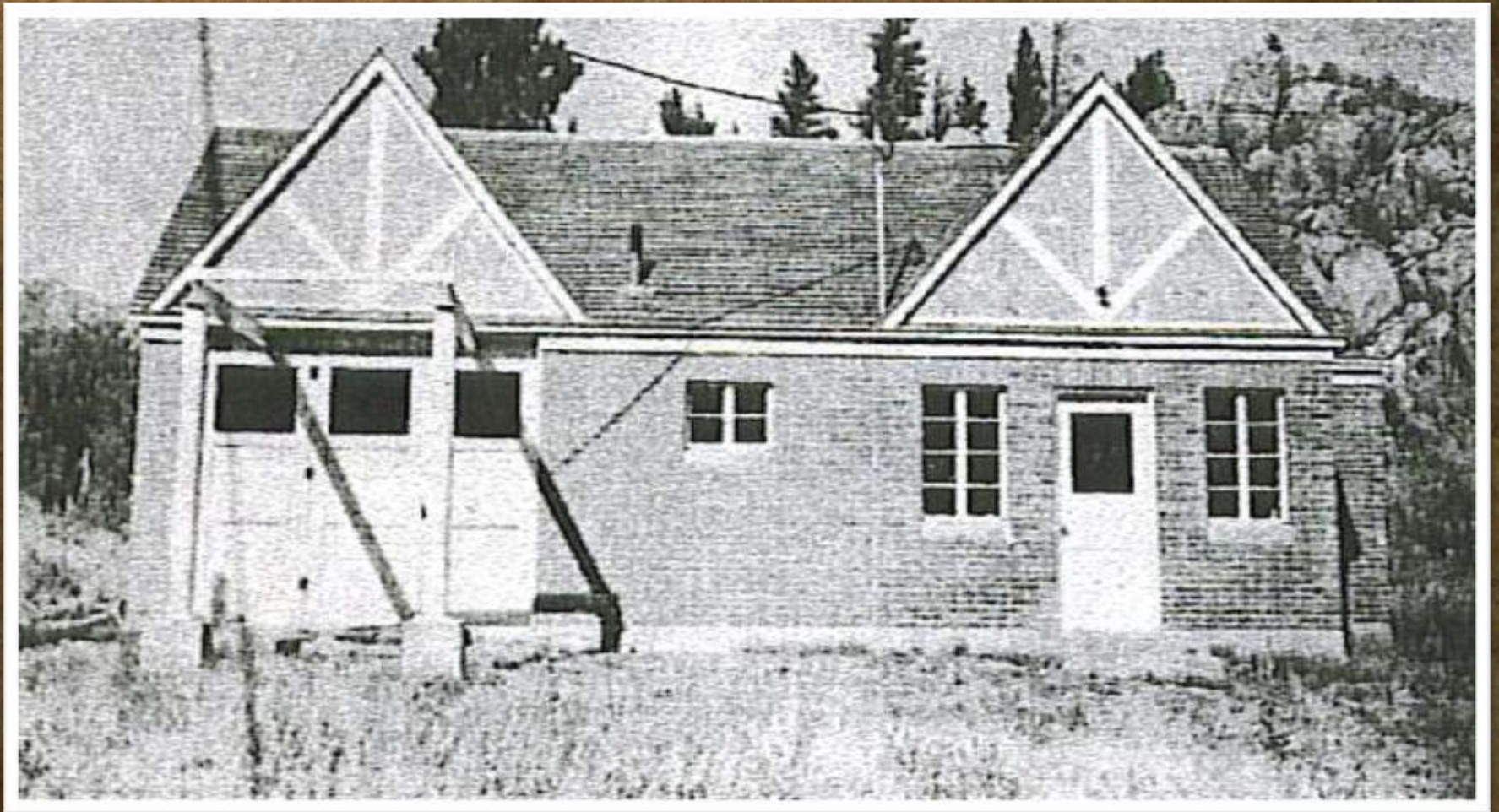


Missouri River WTP 1960

Photos Courtesy of The City of Helena

Helena Water Treatment

A Historical Perspective

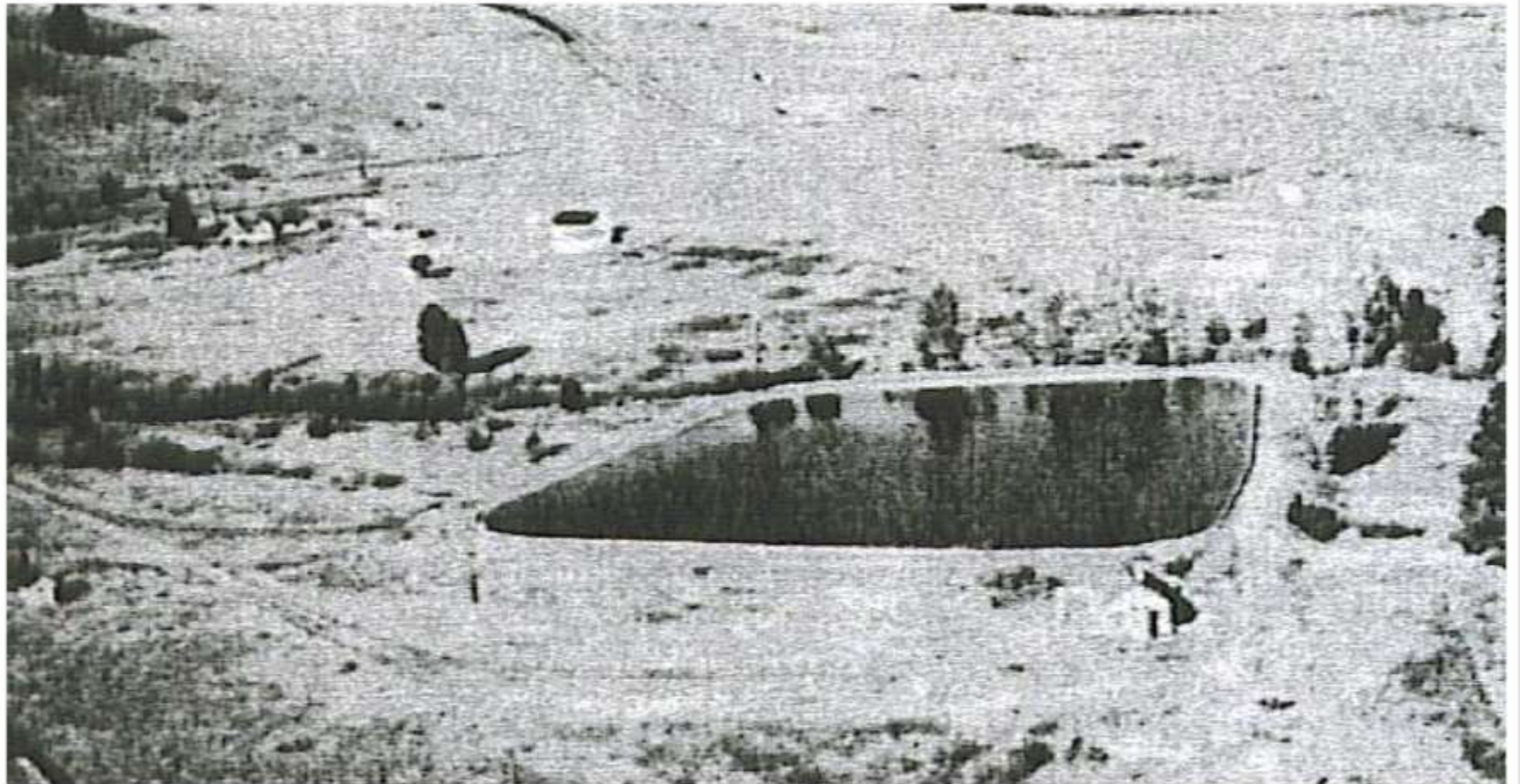


Ten Mile WTP 1960

Photos Courtesy of The City of Helena

Helena Water Treatment

A Historical Perspective



Ten Mile Reservoir and Settling Basin 1960

Photos Courtesy of The City of Helena

Helena Water Treatment

A Historical Perspective



Ten Mile WTP 1993

Helena Water Treatment

A Historical Perspective

WOOLSTON WELL AND PUMP

This plant is situated 2 miles North of the City, in the alluvial cone of Ten Mile Creek. It consists of a dug well 38 feet in diameter, about 26 feet deep. Its source of supply is percolation from the waters of Ten Mile Creek. The water from this well is pumped into the Ten Mile system through a deep well turbine. The well is not used constantly, but only to supplement the Ten Mile supply at times of high consumption.



WOOLSTON WELL AND PUMP

Woolston Reservoir and Pumphouse 1960

Helena Water Treatment

A Historical Perspective



Woolston Tanks 1 and 2 2000



**Installing Pipe
(60s or 70s)**



**Testing Well at
Columbia Falls**

Photos Courtesy of Morrison Maierle, Inc.



Pipe in Columbia Falls



Water Testing at Livingston Permanent Well



Water Testing at Livingston Permanent Well

Photos Courtesy of Morrison Maierle, Inc.



Twin Bridges Orphans Home Well

Photos Courtesy of Morrison Maierle, Inc.

Sections of Wood Stave Water Main

Near Anaconda, MT



These were originally installed circa 1915 as mining water use with some municipal water use, as well. They were later converted to all municipal use and are still in use today.

Wood Flume System

Near Silver Lake, MT (circa 1957-58)



Photos Courtesy of Stephan Bradley, HawksEyePhoto.com.

Wood Flume System

Near Silver Lake, MT (circa 1957-58)



These were originally installed circa 1915 as mining water use with some municipal water use, as well. They are currently out of service for repairs.

Wood Flume System

Near Silver Lake, MT (circa 1957-58)



The flume system is still used fairly regularly, as can be seen by the upgraded walkways at the diversion.

Wood Flume System

Near Silver Lake, MT (circa 1957-58)



Photos Courtesy of Stephan Bradley, HawksEyePhoto.com.

City of Kalispell



**4th Avenue
Water Main
1925**

City of Kalispell



1925 McGubbins old House in Background

City of Kalispell



**Alvin Lang Negatives
from Reservoir Area**

City of Kalispell

Boiler Licenses

The State of Montana

Nº 835  **Safety Inspection**

THIS IS TO CERTIFY, That the Pumping Plant
situated at Kalispell in the county of Flathead
Montana, owned or operated by City of Kalispell
of Kalispell, and the Machinery and appliances therein, were inspected
on the 20th day of August, 1947, by Jess Davis, Inspector.

THIS IS TO FURTHER CERTIFY, That the said Plant, Machinery and Appliances have
been found to be in a condition reasonably safe for the employees working therein.

The payment of the fee of inspection to the Industrial Accident Board for the sum of \$2.00 is hereby
acknowledged.

This certificate, unless sooner revoked, is to remain in full force and effect until date of next inspection.
Dated at Helena, Montana, this 21st day of October, 1947.

J. Burke Clements
Chairman

Jess Davis
Inspector

Section 2414. Each place of employment inspected as provided in Section 2417 and found in a satisfactory condition shall receive from the Board, upon payment of the inspection fee hereinafter provided for, a certificate in that effect, which certificate must be prominently displayed, under glass, in one of the principal places of the establishment so inspected.

The State of Montana

Nº 4507  **Safety Inspection**

THIS IS TO CERTIFY, That the Pumping Plant
situated at Kalispell in the county of Flathead
Montana, owned or operated by City of Kalispell
of Kalispell, and the Machinery and appliances therein, were inspected
on the 20th day of August, 1947, by John P. Tomback, Inspector.

THIS IS TO FURTHER CERTIFY, That the said Plant, Machinery and Appliances have
been found to be in a condition reasonably safe for the employees working therein.

The payment of the fee of inspection to the Industrial Accident Board for the sum of \$2.00 is hereby
acknowledged.

This certificate, unless sooner revoked, is to remain in full force and effect until date of next inspection.
Dated at Helena, Montana, this 20th day of September, 1949.

Walter P. Coombs
Chairman

John P. Tomback
Inspector

Section 2414. Each place of employment inspected as provided in Section 2417 and found in a satisfactory condition shall receive from the Board, upon payment of the inspection fee hereinafter provided for, a certificate in that effect, which certificate must be prominently displayed, under glass, in one of the principal places of the establishment so inspected.

The State of Montana

Nº 6731  **Safety Inspection**

THIS IS TO CERTIFY, That the Building, & Pumping, Building
situated at Kalispell in the county of Flathead
Montana, owned or operated by City of Kalispell
of Kalispell, and the Machinery and appliances therein, were inspected
on the 15th day of July, 1937, by Marion Strickland, Inspector.

THIS IS TO FURTHER CERTIFY, That the said Plant, Machinery and Appliances have
been found to be in a condition reasonably safe for the employees working therein.

The payment of the fee of inspection to the Industrial Accident Board for the sum of \$5.00 is hereby
acknowledged.

This certificate, unless sooner revoked, is to remain in full force and effect until date of next inspection.
Dated at Helena, Montana, this 15th day of August, 1937.

Robert Strickland
Chairman

Marion Strickland
Inspector

Section 2414. Each place of employment inspected as provided in Section 2417 and found in a satisfactory condition shall receive from the Board, upon payment of the inspection fee hereinafter provided for, a certificate in that effect, which certificate must be prominently displayed, under glass, in one of the principal places of the establishment so inspected.

DIVISION OF WORKERS' COMPENSATION

815 FRONT STREET
HELENA, MONTANA 59601

BOILER OPERATING CERTIFICATE

THIS IS TO CERTIFY, THAT I, John Gentry

NATIONAL BOARD NO. 7235 HAVE THIS DAY COMPLETED THE INSPECTION OF THE FI (TYPE)
BOILER SITUATED AT Pumping Station-Lawrence Park-main floor Kalispell MONTANA.
(LOCATION)
INSURED BY Hartford Ins. Co. OWNED BY City of Kalispell

AND FIND THE SAME SAFE TO CARRY 15 POUNDS PER SQUARE INCH.

DATED THIS 6th DAY OF August, 1976

ISSUED IN ACCORDANCE WITH SECTION 69-1501
(31 R. C. M. 1947).

Paul A. Rafferty
SUPERVISOR OF BOILERS

FORM 58-3-75

City of Kalispell Boiler Licenses

BOILER No. MTB-05842 **C 2379**

STATE OF MONTANA
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF WORKERS' COMPENSATION
815 FRONT STREET
HELENA, MONTANA 59601

Must be Posted in Plant

BOILER OPERATING CERTIFICATE

THIS IS TO CERTIFY, THAT I, DAVID M. AUSTIN

NATIONAL BOARD NO. 8637 HAVE THIS DAY COMPLETED THE INSPECTION OF THE FT (TYPE)

BOILER SITUATED AT Pumping Station at Lawrence Park Kalispell (LOCATION) MONTANA.

INSURED BY Hartford Steam Boiler OWNED BY City of Kalispell

AND FIND THE SAME BOILER SAFE TO CARRY 15 POUNDS PER SQUARE INCH.

DATED THIS 6th DAY OF February 19 80

P. Rafferty
DIVISION REPRESENTATIVE

Low Pressure

STATE OF MONTANA
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF WORKERS' COMPENSATION

ENGINEER'S LICENSE

NO. B 25236

THIS IS TO CERTIFY, THAT Steven C. Cox HAS BEEN EXAMINED AND FOUND TO BE QUALIFIED TO ACT AS AN OPERATOR OF

☐ BOILERS AND STEAM MACHINERY
☐ CRANES
☐ HOISTS

THE HOLDER OF THIS LICENSE IS ONLY ENTITLED TO OPERATE THE MACHINERY LISTED IN THE CLASSIFICATION ABOVE IN THE STATE OF MONTANA AND IS HEREBY LICENSED FOR THE TERM OF ONE YEAR FROM THIS DATE UNLESS THIS LICENSE SHALL BE SOONER REVOKED OR RESCINDED.

DATED THIS 3rd DAY OF February 19 87

IMPORTANT NOTICE: IF REVOKED WITHIN 15 MONTHS FROM DATE ISSUED, SEALS MUST BE PAID. THE FULL FEE WILL BE CHARGED.

WHEN REQUESTED FOR A RENEWAL, MAKE PAYMENT TO THE ORDER OF THE DIVISION OF WORKERS' COMPENSATION.

[Signature]
DIVISION OF WORKERS' COMPENSATION
APPROPRIATOR

BOILER No. MTB-05842 **C 12668**

STATE OF MONTANA
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF WORKERS' COMPENSATION
815 FRONT STREET
HELENA, MONTANA 59601

Must be Posted in Plant

BOILER OPERATING CERTIFICATE

THIS IS TO CERTIFY, THAT I, DAVID M. AUSTIN

NATIONAL BOARD NO. 8637 HAVE THIS DAY COMPLETED THE INSPECTION OF THE FT (TYPE)

BOILER SITUATED AT Pumping station at Lawrence Park Kalispell (LOCATION) MONTANA.

INSURED BY Hartford Steam Boiler OWNED BY City of Kalispell

AND FIND THE SAME BOILER SAFE TO CARRY 15 POUNDS PER SQUARE INCH.

DATED THIS 17th DAY OF January 19 84

ISSUED IN ACCORDANCE WITH SECTION 50-74-106

Paul R. Rafferty
DIVISION REPRESENTATIVE

STATE OF MONTANA
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF WORKERS' COMPENSATION
8 SOUTH LAST CHANCE GULCH
HELENA, MONTANA 59601

OPERATING CERTIFICATE

be Posted in Plant.

THIS IS TO CERTIFY, THAT I, WRIGHT HERBERT, S. JR. HAVE THIS DAY COMPLETED THE INSPECTION OF THE

BOILER SITUATED AT LAWRENCE PARK KALISPELL

INSURED BY HARTFORD INSURANCE

OWNED BY CITY OF KALISPELL

AND FIND THE SAME BOILER TO CARRY 15 POUNDS PER SQUARE INCH

DATED 12/11/85

ISSUED IN ACCORDANCE WITH SECTION 50-74-106, MONTANA CODE ANNOTATED

Paul R. Rafferty
DIVISION REPRESENTATIVE

CLASS Low Pressure **STATE OF MONTANA** NO. B4-89-2831
ISSUE 1 **DEPARTMENT OF LABOR AND INDUSTRY**
DIVISION OF WORKERS' COMPENSATION
SAFETY BUREAU

LICENSE

THIS IS TO CERTIFY, THAT Ronald Johnson HAS BEEN EXAMINED AND FOUND TO BE QUALIFIED TO HOLD A LICENSE FOR A Low Pressure Boiler

BEGINNING 1-22-88 AND EXPIRING ON 1-22-89

THE HOLDER OF THIS LICENSE IS ONLY ENTITLED TO OPERATE THE MACHINERY OR THE MATERIALS LISTED IN THE CLASSIFICATION INDICATED ABOVE IN THE STATE OF MONTANA AND IS HEREBY LICENSED TO ACT AS SUCH FOR THE PERIOD INDICATED ABOVE UNLESS THIS LICENSE SHALL BE REVOKED OR RESCINDED.

SEE REVERSE SIDE FOR IMPORTANT INFORMATION.

WHEN REQUESTING FOR A RENEWAL, MAKE PAYMENT TO THE ORDER OF THE DIVISION OF WORKERS' COMPENSATION AND MAIL TO: 8 SOUTH LAST CHANCE GULCH, HELENA, MT 59601.

Ed Johnson
SAFETY BUREAU CHIEF

City of Kalispell



Buffalo Hill Golf Course First Hole

City of Kalispell



Looking South and East from Reservoir Section of Flathead Valley

City of Kalispell



Looking North and East through Bad Rock Canyon. Mt. Jackson, Elevation 10,500' set in Glacier National Park in Distance

City of Kalispell

Wye Drainage



City of Kalispell

Wye Drainage



City of Kalispell

Lawrence Park



Photos Courtesy of the City of Kalispell

City of Kalispell

Lawrence Park



**Main Entrance
Adjacent to
Pump Station**

City of Kalispell

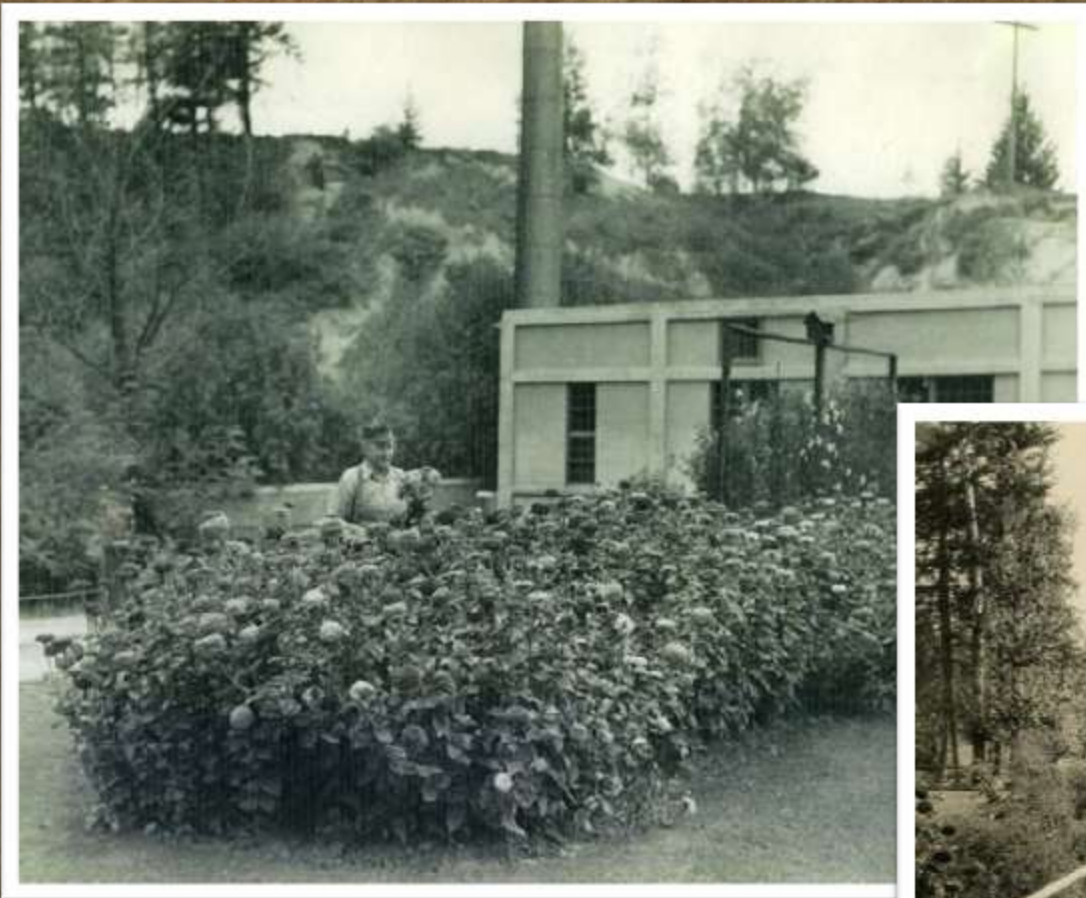
Lawrence Park



Photos Courtesy of the City of Kalispell

City of Kalispell

Lawrence Park



Photos Courtesy of the City of Kalispell

City of Kalispell



Photos Courtesy of the City of Kalispell

City of Kalispell

New Airport



Photos Courtesy of the City of Kalispell

City of Kalispell

Noffsinger Spring



City of Kalispell

Noffsinger Spring



City of Kalispell

Noffsinger Spring



Photos Courtesy of the City of Kalispell

City of Kalispell

Noffsinger Spring from Pump Station



City of Kalispell

Noffsinger Spring from Pump Station



City of Kalispell

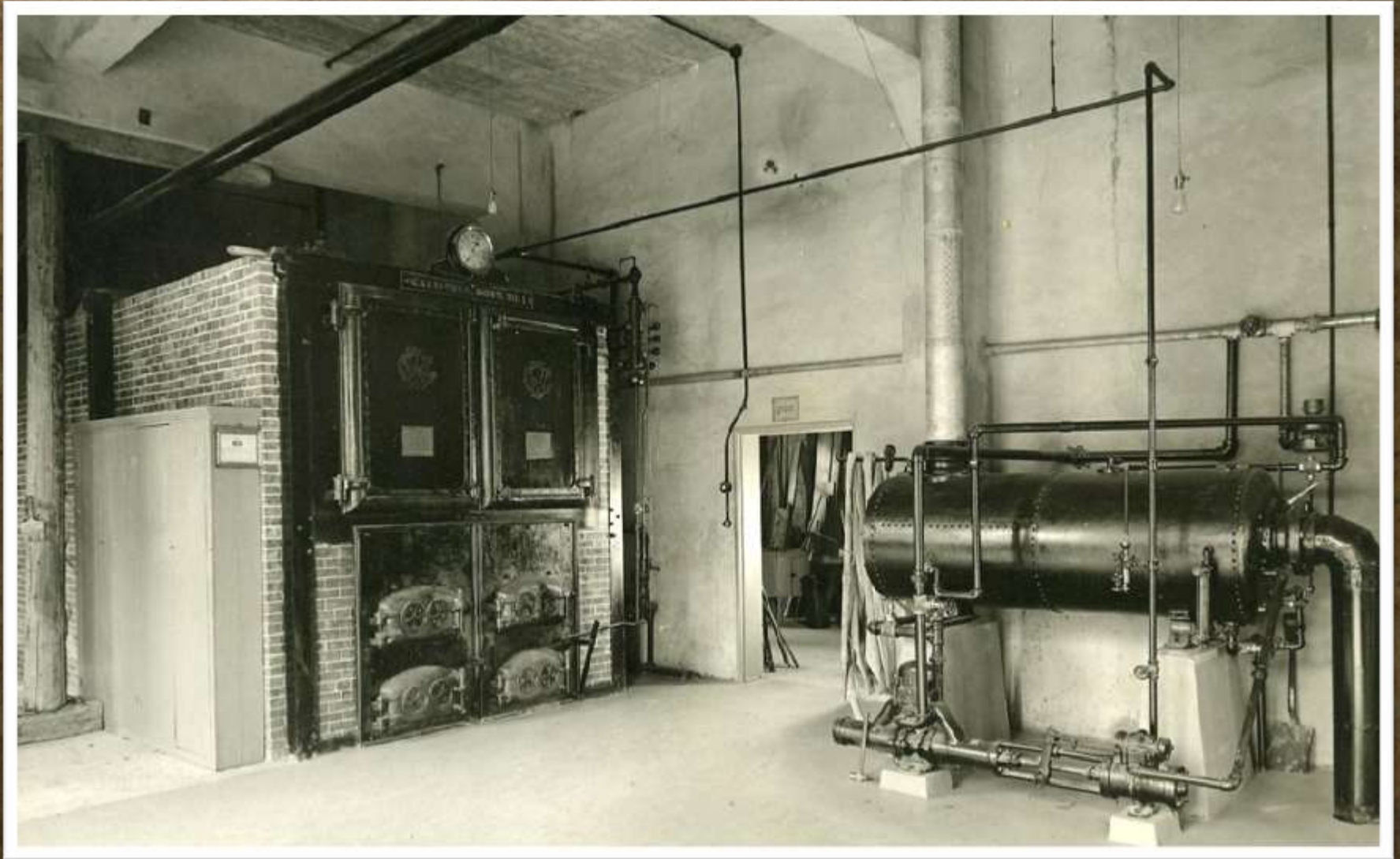
Noffsinger Spring Pump Station Exterior



Photos Courtesy of the City of Kalispell

City of Kalispell

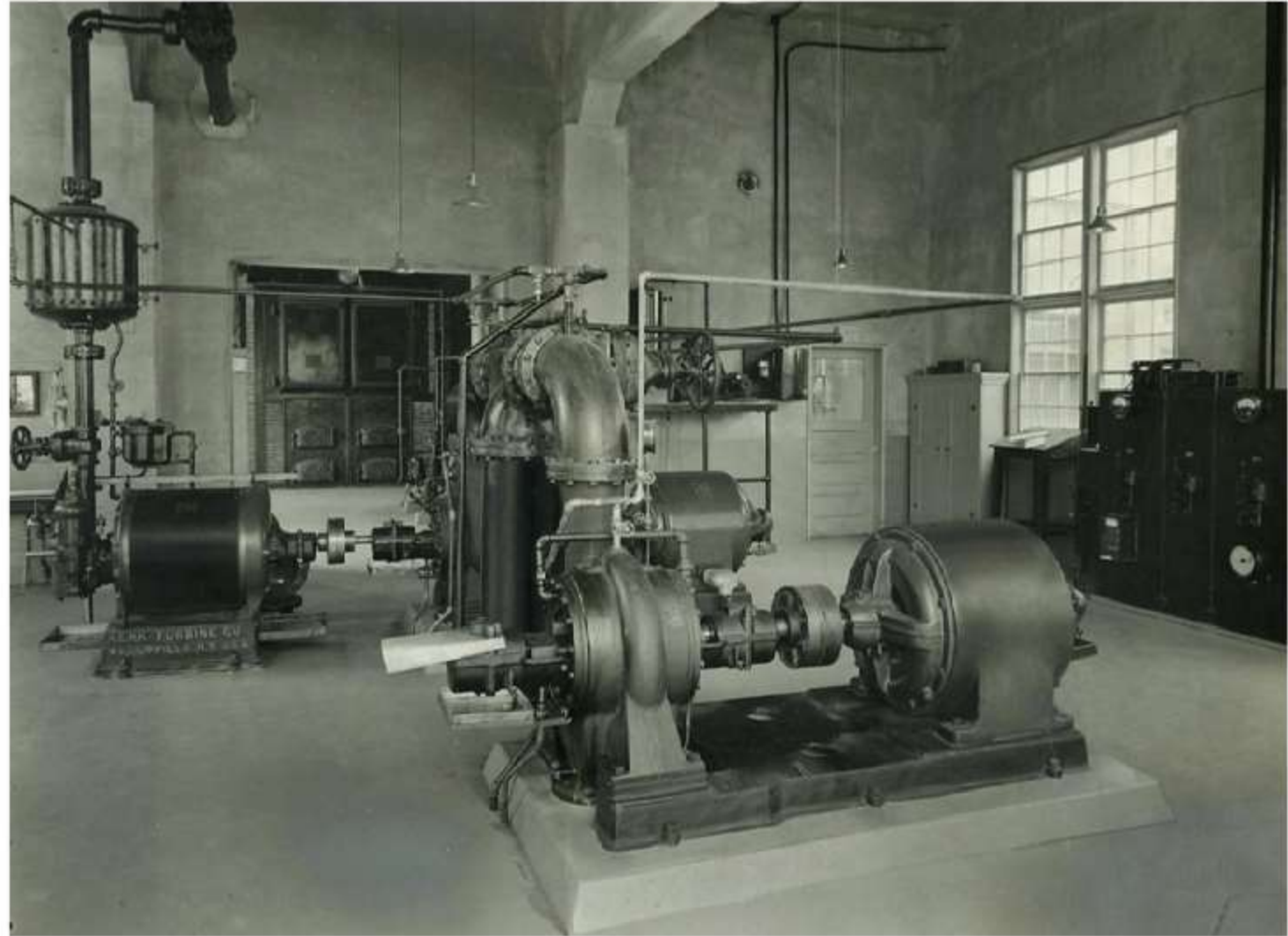
Noffsinger Spring Pump Station Interior



Photos Courtesy of the City of Kalispell

City of Kalispell

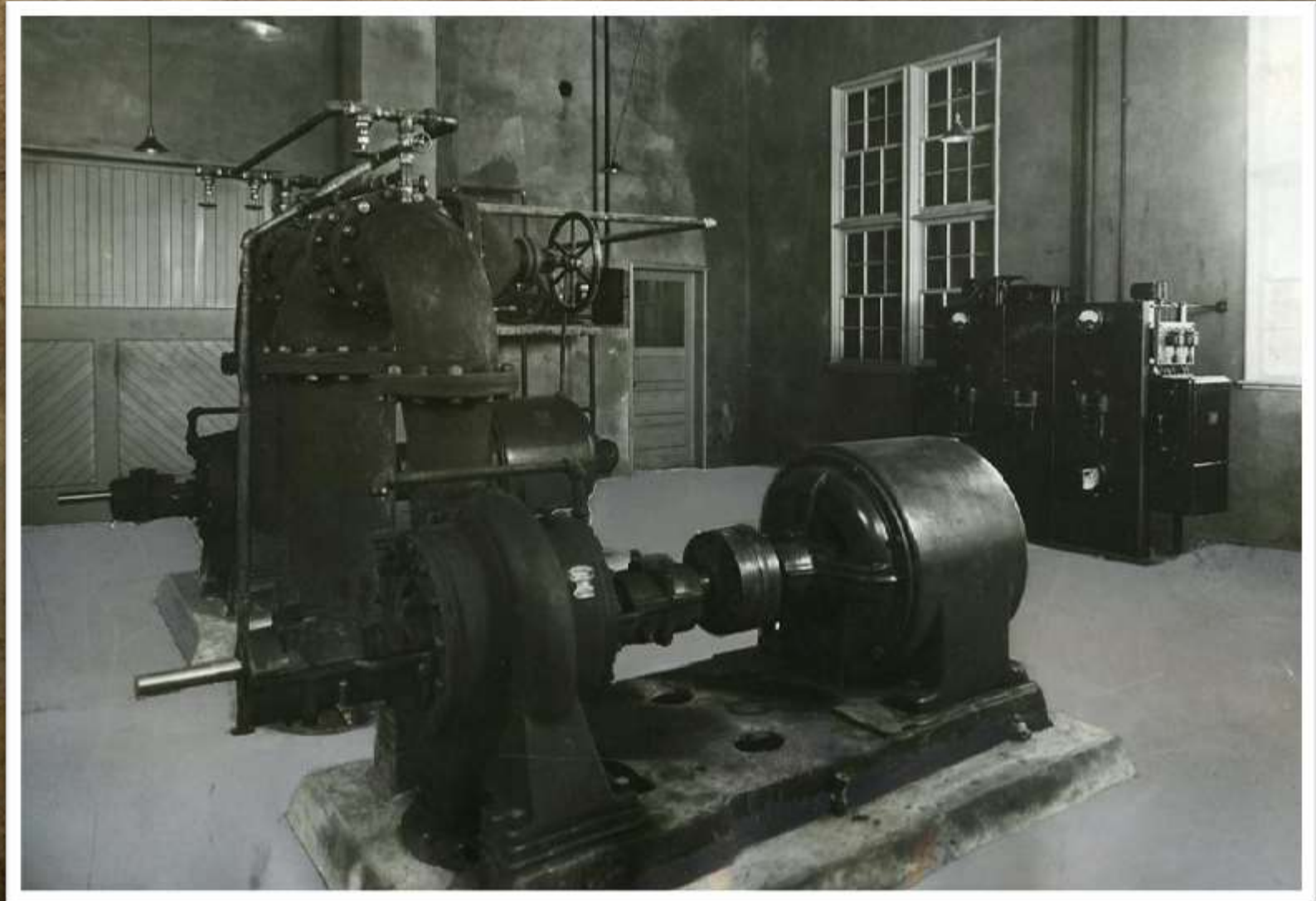
Noffsinger Spring Pump Station Interior



Photos Courtesy of the City of Kalispell

City of Kalispell

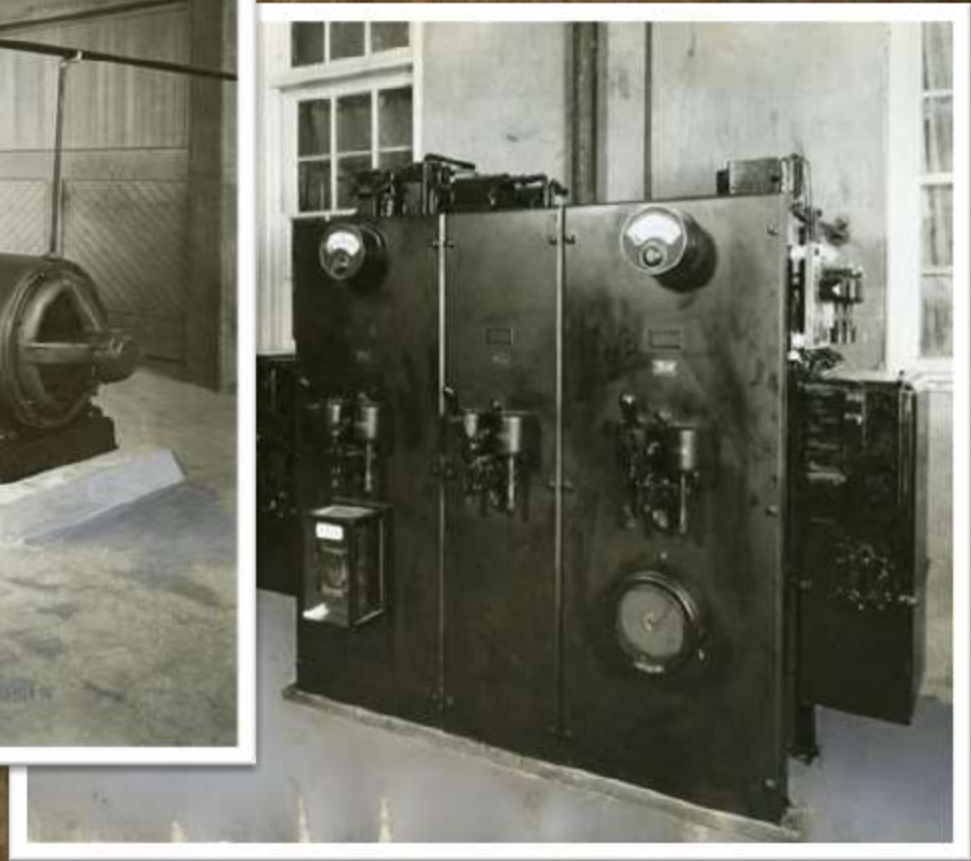
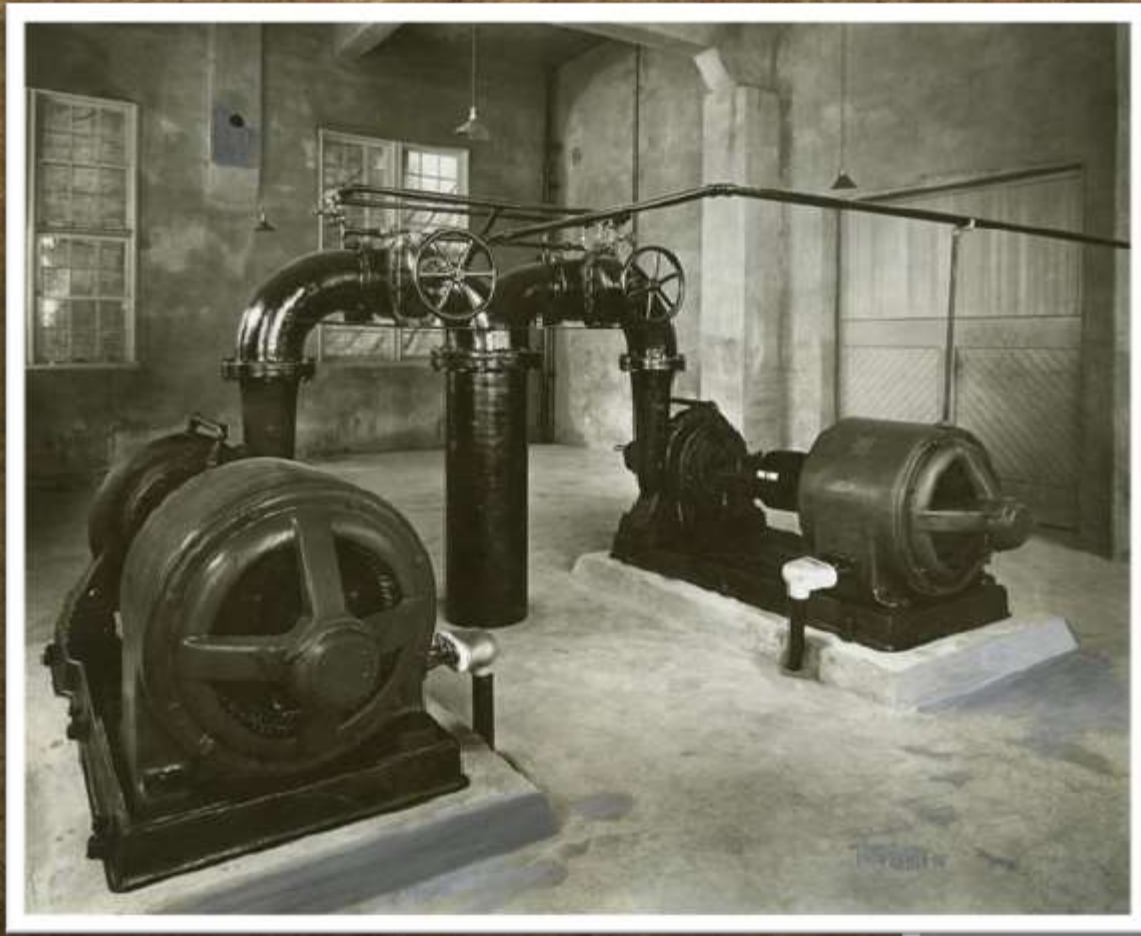
Noffsinger Spring Pump Station Interior



Photos Courtesy of the City of Kalispell

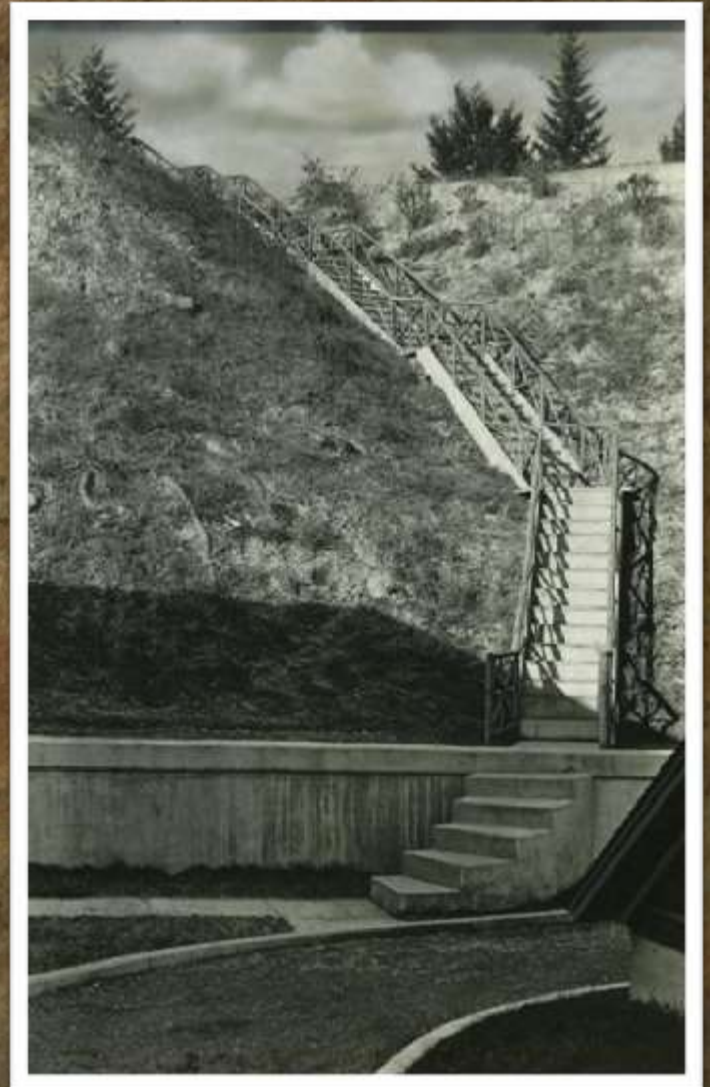
City of Kalispell

Noffsinger Spring Pump Station Interior



City of Kalispell

Noffsinger Spring Stairway to Crest of Bank



Photos Courtesy of the City of Kalispell

City of Kalispell



Old Time Water Meter

Old Water
Foreman



Photos Courtesy of the City of Kalispell

City of Kalispell

Sewer Plant South of Kalispell



Photos Courtesy of the City of Kalispell

City of Kalispell

Sewer Plant South of Kalispell



Photos Courtesy of the City of Kalispell

City of Kalispell

Smoke Stack (Possibly Knophlinger)



City of Kalispell

Water Office at City Hall



City of Kalispell



**Water Tank Possibly at
Conrad Cemetery**

City of Kalispell

Water Works



Photos Courtesy of the City of Kalispell

City of Kalispell

Water Works



Photos Courtesy of the City of Kalispell

City of Kalispell

Water Works



Photos Courtesy of the City of Kalispell

City of Kalispell

Water Works



Photos Courtesy of the City of Kalispell

City of Kalispell

Water Works



Photos Courtesy of the City of Kalispell

City of Kalispell

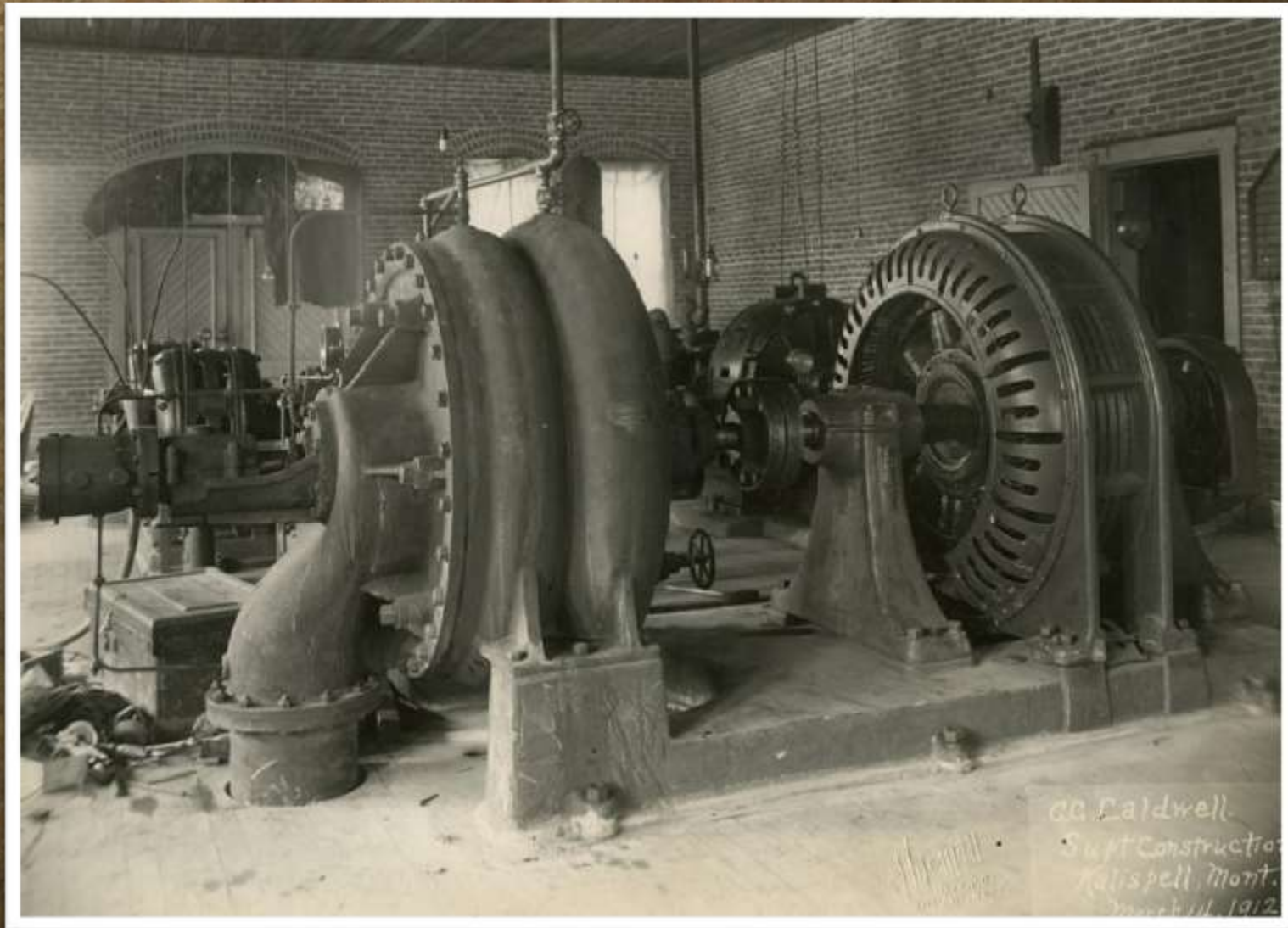


Showing lines in ditch ready
to cut over.
Changed Sunday Mar. 17-1912.

C. C. Caldwell
Supt. Construction
Kalispell, Mont.
March 17, 1912

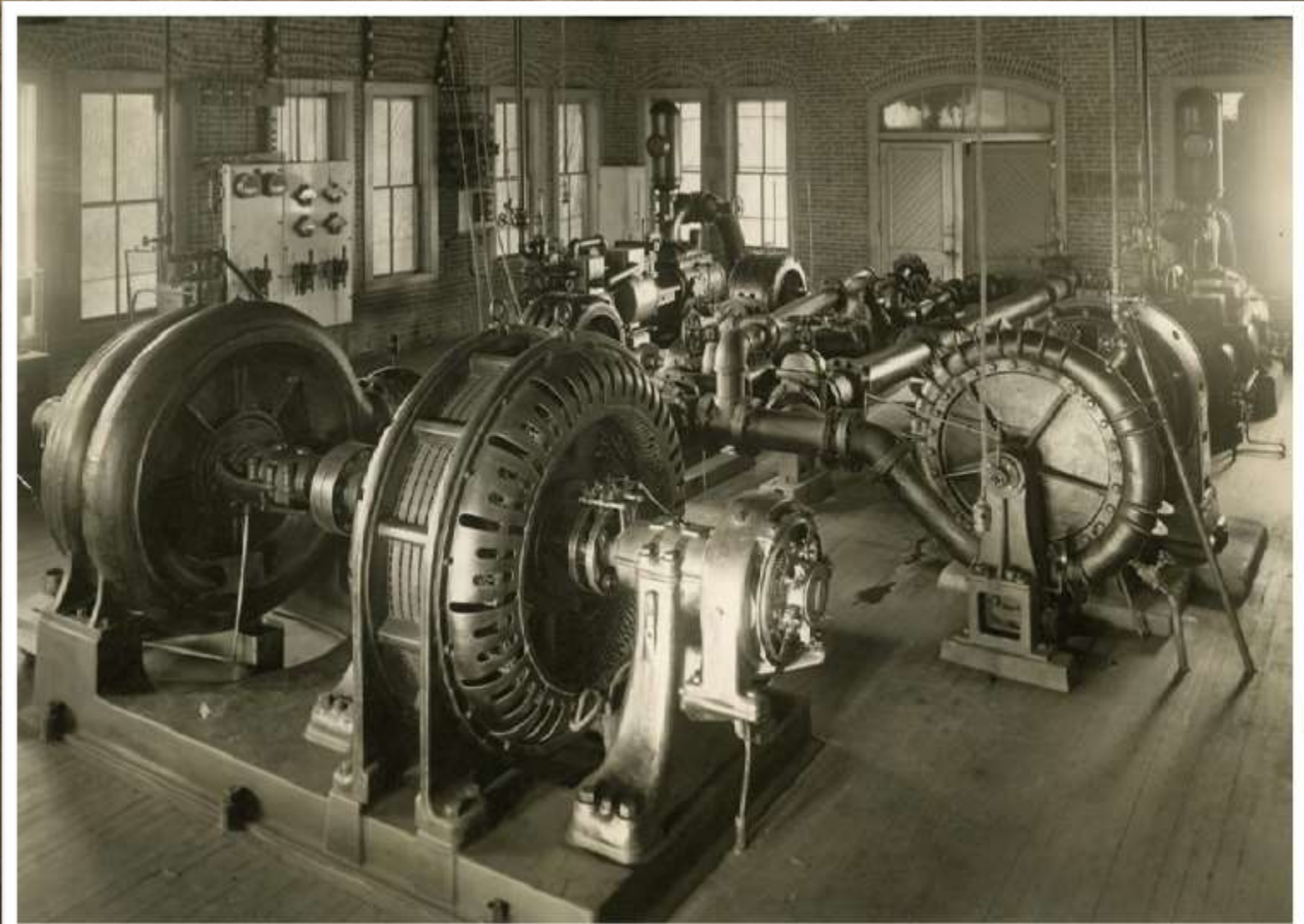
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Water Works New 400 Pumps & Motor - 1912



City of Kalispell

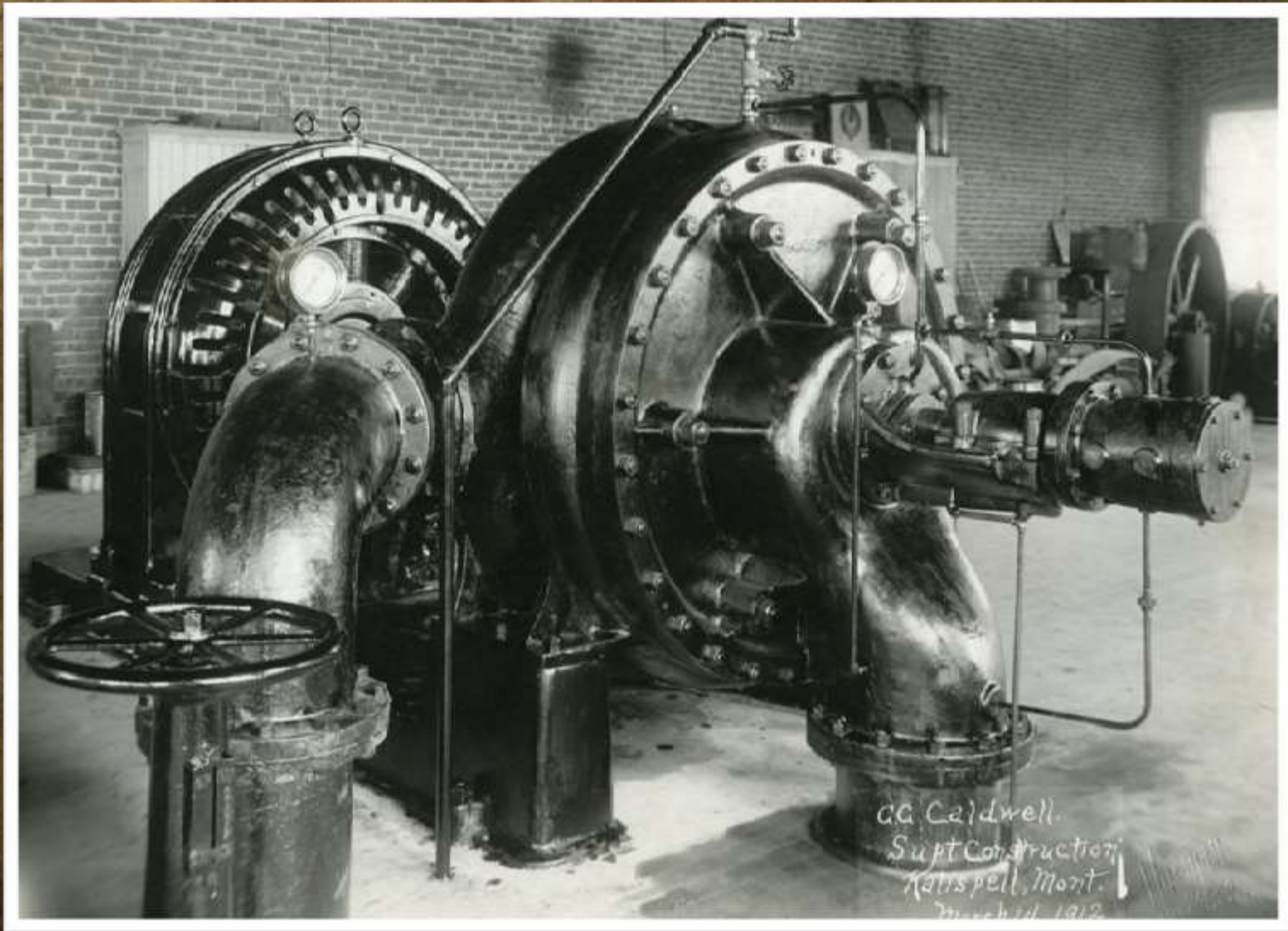
Water Works – New Pumps



Photos Courtesy of the City of Kalispell

City of Kalispell

Water Works New Unit Complete - 1912



City of Kalispell

Water Works Pipe Mains Leaving Station



1 – 16" Wood
Main &
1 – 12" Steel
Pipe Main

CG Caldwell
Supt Construction
Kalispell, Mont.
March 14, 1912

City of Kalispell

Water Works Section Meter Testing Room



Photos Courtesy of the City of Kalispell

City of Kalispell



Water Works Suction
Lines from Well to New
Pump

Montana Section AWWA—1938



City of Missoula



East Missoula
Well
1935



City of Missoula



Rattlesnake
30 in. wood main



City of Missoula



Rattlesnake
30 in. wood main



City of Missoula



Rattlesnake
30 in. wood
main



City of Missoula



Rattlesnake

**30 in. wood
main**

City of Missoula



Rattlesnake
30 in. wood
main



City of Missoula



Water Works Reservoir, Missoula, Mont.