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FOURTEENTH BIENNIAL REPORT

STATE ENGINEER

PART II

MAPS AND DRAWINGS

1907-1908

Fourteenth Biennial Report

OF THE

State Engineer

TO THE

Governor of Colorado

FOR THE YEARS

1907 and 1908

PART II

CONSISTING OF

Maps and Bridge Drawings

DENVER, COLORADO
THE SMITH-BROOKS PRINTING CO., STATE PRINTERS
1909

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MAP OF THE

STATE OF COLORADO

SHOWING THE LOCATION OF THE WATER DIVISIONS

1905

BEN PROWER
15
61
32
36

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Map showing DITCHES AND RESERVOIRS
WATER DISTRICTS THREE, FOUR AND FORTY-EIGHT
Cache à la Poudre, Big and Little Thompson and Laramie Drainage
SOUTH PLATTE RIVER DIVISION
COLORADO. 1904. E.-8

State Engineer's Office, Denver.

Scale

Map Showing the
DITCHES
AND
RESERVOIRS.
WATER DISTRICTS
2,4,5,6,7,8 and 9.
SOUTH-PLATTE
RIVER DIVISION
State Engineers Office,
Denver Colorado
Scale
1904-6-8
DENVER
BASE LINE
GUIDE
MERIDIAN
COLORADO
ARAPAHOE
ADAMS
WELD
LARIMER
BOULDER
GILPIN
CLEAR CREEK
JEFFERSON
DOUGLAS
ELBERT
PLATTE RIVER
SOUTH PLATTE
SEDALIA
LONGMONT
BRIGHTON
70
69
68
67
66
65
64

DOUGLAS COUNTY.
ELBERT COUNTY.
EL PASO
COUNTY
PUEBLO COUNTY
PUEBLO
COLORADO SPRINGS
COLORADO CITY
PIKE'S PEAK
FOUNTAIN
CHICO
IRRIGATION
SYSTEM
CAMPO
EASTONVILLE
EDYTHE
GREENHORN
CRESTED
BUTTES
RESERVOIR
TIMBER LAND
PUEBLO COUNTY
OTERO COUNTY
23
17
12
16
15
14
WATER DISTRICTS 10 & 14.
ARKANSAS RIVER DIVISION
COLORADO.
STATE ENGINEER'S OFFICE, COLORADO.
1904-6-8
Scale

MAP
SHOWING
THE
DITCHES AND RESERVOIRS
IN
WATER DISTRICT No. 11
ARKANSAS RIVER DIVISION
COLORADO
1904-6-8

State Engineer's Office, Denver.

Scale = _____

EL PASO COUNTY
LINCOLN COUNTY
KIOWA COUNTY
OTERO COUNTY
BENT COUNTY
LAS ANIMAS COUNTY
PART OF DISTRICT NO. 18
PACIFIC
MANZANOLA
ROCKYFORD
LAS ANIMAS
19
MAP OF
WATER DISTRICT NO.17
IN ARKANSAS DIVISION No.2
COLORADO
STATE ENGINEERS OFFICE DENVER
1904-6-8
Scale -

MAP
SHOWING THE
DITCHES AND RESERVOIRS
WATER DISTRICTS
18 AND 19
ARKANSAS RIVER DIV.
DRAINAGE OF THE
Apishapa and the Purgatoire Rivers
1904-6-8

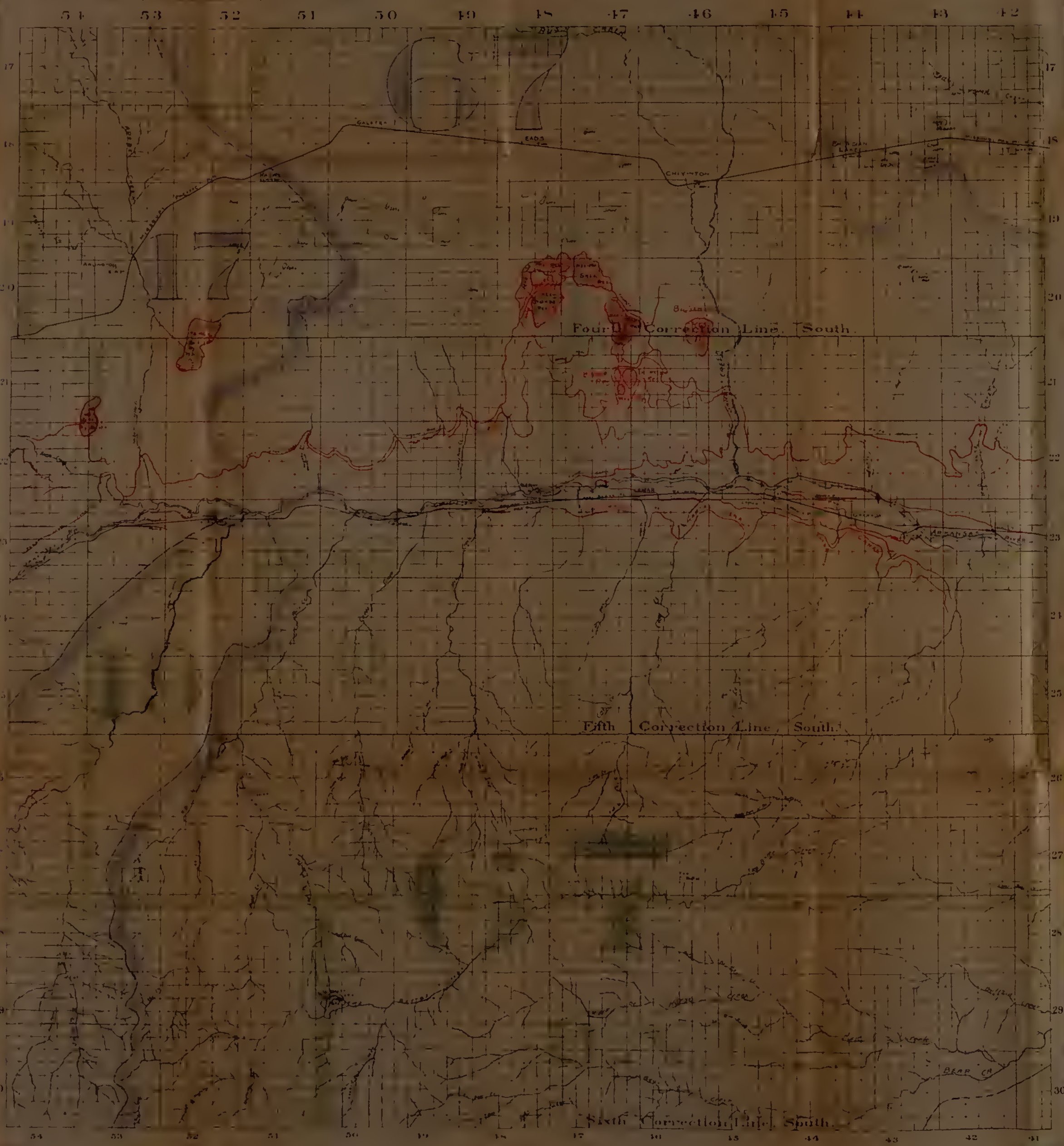
State Engineer's Office. Denver. Colo.

Scale

MAP Showing the DITCHES and RESERVOIRS. WATER DISTRICT 67. ARKANSAS RIVER DIVISION

COLORADO

State Engineers Office, Denver. 1904-6-8 Scale =



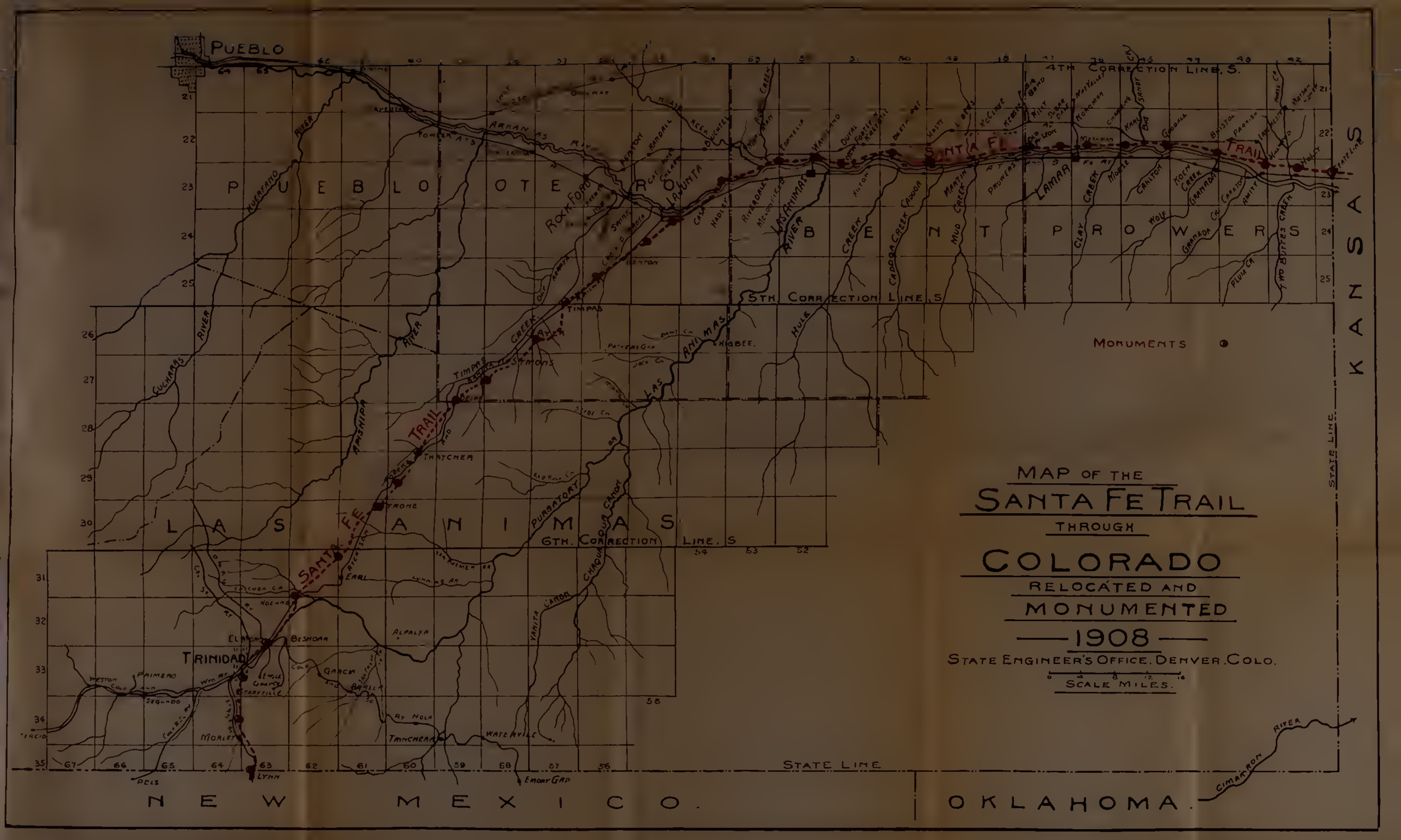
MAP OF THE

STATE OF COLORADO

SHOWING THE LOCATION OF THE NATIONAL FOREST RESERVES

1900 TO 1908

LINCOLN
CHEYENNE
KIOWA
PUEBLO
OTERO
BENT
PROWERS
HUERFANO
LAS ANIMAS
BACA
ARCHULETA
— STATE ENGINEERS —
STIMSON 1881 TO 1887
SUMMER, 1885 TO 1887.
HETTLETON 1885 TO 1887
FIELD, 1887 TO 1889.
GREENE 1887 TO 1893
McCUNE 1889 TO 1893
MAXWELL 1889 TO 1898
CARPENTER 1893 TO 1905
CRAMER 1898 TO 1885
JAYCOX 1905 TO 1905.
LEGEND
RESERVOIRS O
ARTESIAN WELL •
WAGON ROAD ——
FLUME - - - -
WAGON BRIDGE X
CANALS - - - - - -
INTERNAL IMPROVEMENT FUND


MAP OF THE
SANTA FE TRAIL
THROUGH
COLORADO
RELOCATED AND
MONUMENTED
1908
STATE ENGINEER'S OFFICE, DENVER, COLO.
SCALE MILES.
MONUMENTS
PUEBLO
PUEBLO
OTERO
BENT
PROWERS
LAS ANIMAS
KANSAS
NEW MEXICO.
OKLAHOMA.
STATE LINE
4TH CORRECTION LINE, S.
5TH CORRECTION LINE, S.
6TH CORRECTION LINE, S.
SANTA FE TRAIL
ARKANSAS RIVER
ROCKFORD
LAMAR
TIMPAS
SHIGBEE
SIMONS
THATCHER
TRINIDAD
EL MORO
BESHOAR
ALPALFA
EARL
MORLEY
LYNN
TRINCHERA
WATERVILLE
EMORY GAP
PURGATORY
CHAQUAQUA CANON
VARITA CANON
CIMARRON RIVER
HUERFANO RIVER
CUCHARAS RIVER
APISHIPA
LAS ANIMAS RIVER
CAPOTE CREEK
CAPOTE CREEK
MUD CREEK
CLAY CREEK
WOLF CREEK
ROCK CREEK
TWO BUTTES CREEK
PLUM CR
AMITY
CARRIZO
GRANADA
GRANADA CR
MONTE CARLOTA
WESTON
PRIMERO
SEGUNDO
TERCIO
POLS

PUEBLO
LAS
JUAN
RIVER
ARKANSAS
27
26
25
24
23
22
21
20
19

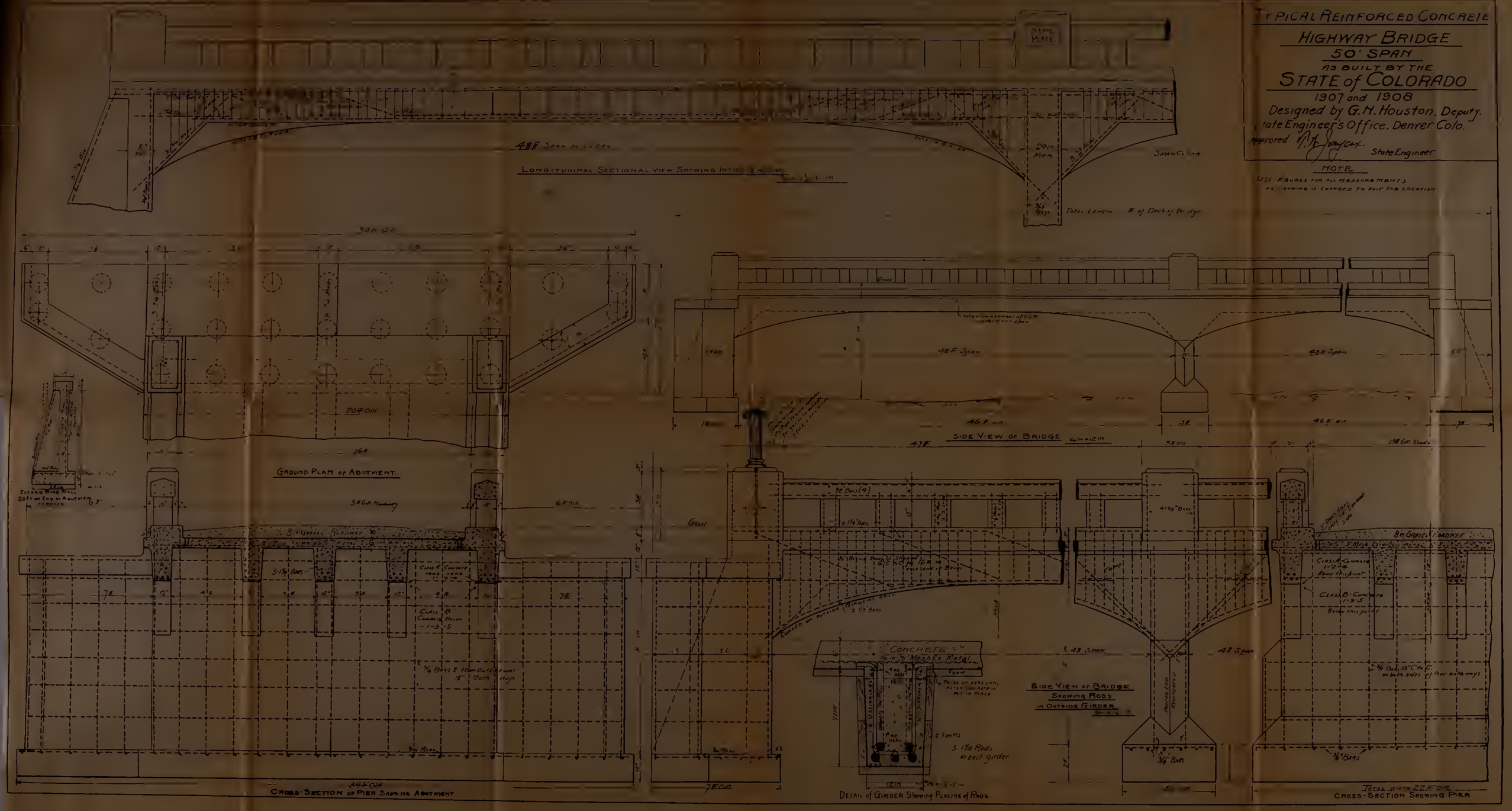
TYPICAL REINFORCED CONCRETE HIGHWAY BRIDGE 50' SPAN AS BUILT BY THE STATE OF COLORADO 1907 and 1908

Designed by G. M. Houston, Deputy State Engineer's Office. Denver Colo.

Approved [illegible] State Engineer

NOTE

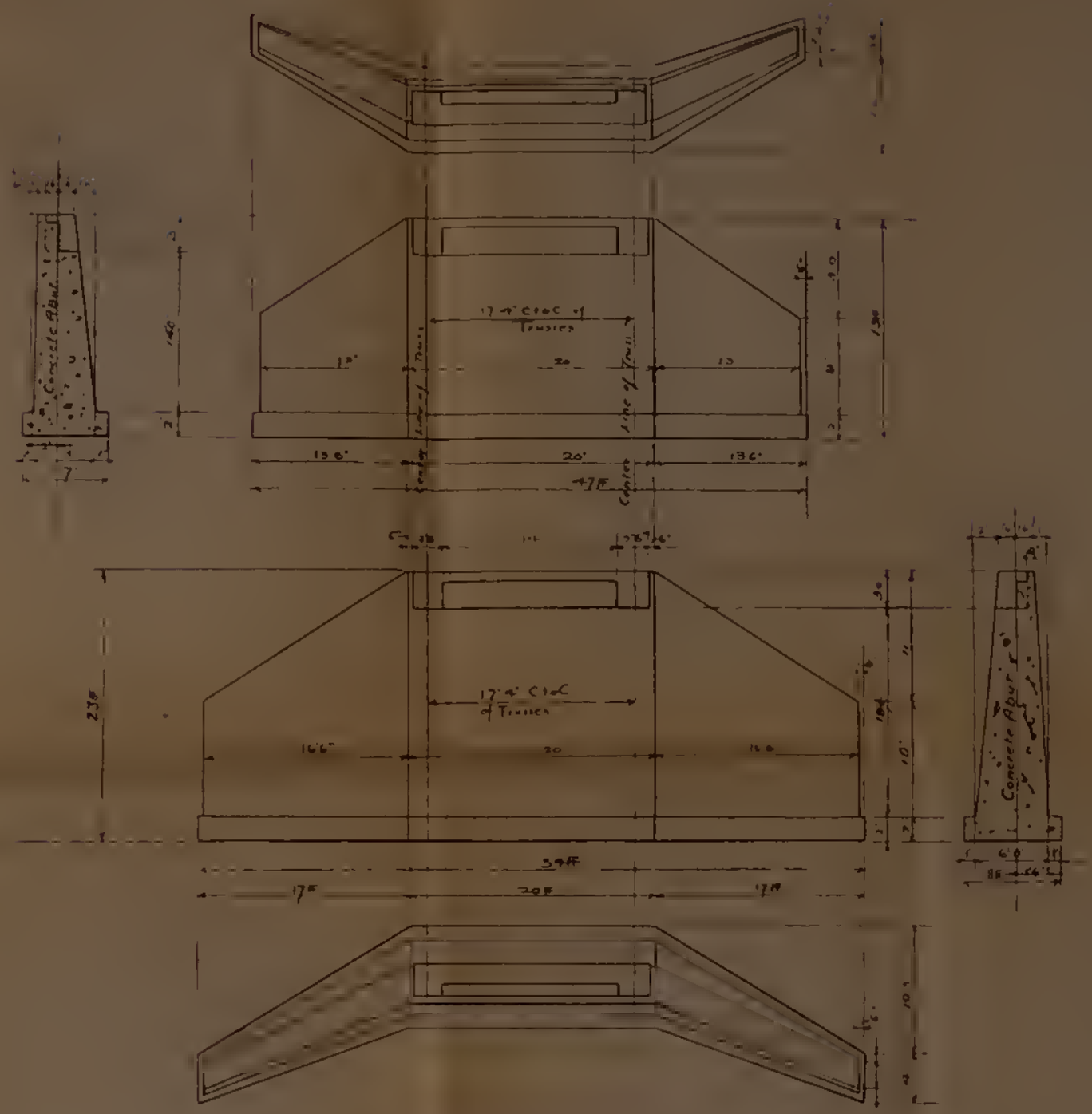
USE FIGURES FOR ALL MEASUREMENTS AS WRITING IS CHANGED TO SUIT THE LOCATION



GARFIELD COUNTY
BRIDGE CONCRETE PIERS
NEAR SILT

State Engineer's Office, Denver. March 1908.

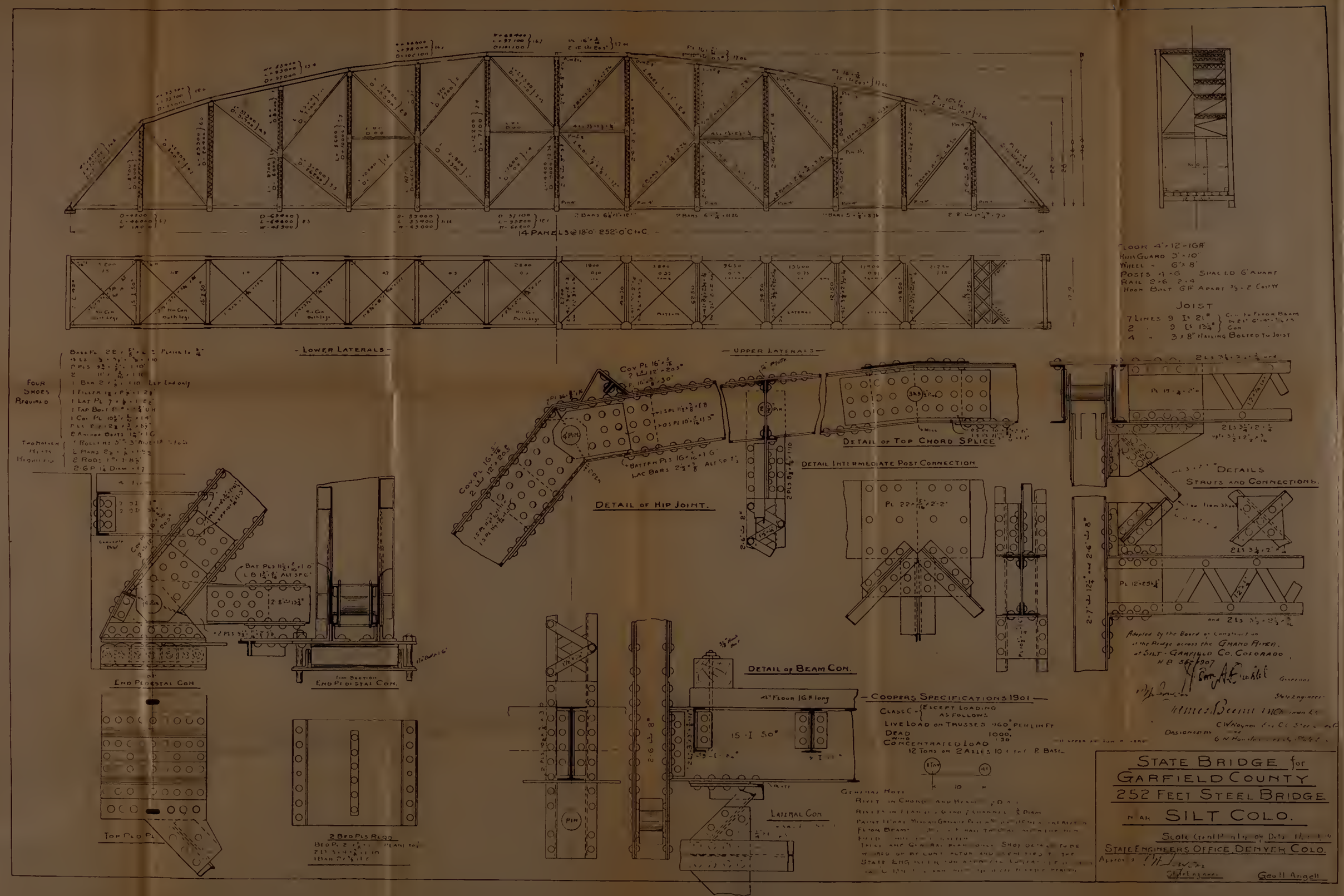
NORTH ABUTMENT



SOUTH ABUTMENT

1/5" = 12"

Approved W. H. Lawrence
State Engineer


14 Panels @ 18'0" 252'0" C to C
Lower Laterals
Upper Laterals
Floor 4" x 12" - 16 ft
Hub Guard 3" x 10"
Wheel " 6" x 8"
Posts 4 x 6 Spaced 6' Apart
Rail 2 x 6 2 x 4
Hook Bolt 6 ft Apart 3/8 x 2 Coll W
Joist
7 Lines 9 Is 21#
2 " 9 Cs 13 3/8#
4 " 3 x 8" Nailing Bolted to Joist
Four Shoes Required
Two Hinges Metts Highway
Detail of Hip Joint.
Detail of Top Chord Splice
Detail Intermediate Post Connection
Details Struts and Connections.
End Pedestal Con
End Pedestal Con.
Top Pedestal
2 Bed Pls Reqd
Detail of Beam Con.
4" Floor 16 ft long
Lateral Con
Coopers Specifications 1901
Class C - Except Loading as follows
Live Load on Trusses 1960# per lin ft
Dead 1000#
Wind
Concentrated Load 30
12 Tons on 2 Axles 10 ft apart 8 base
General Note
Adopted by the Board of Construction at the Bridge across the Grand River at Silt - Garfield Co. Colorado H B 56 - 1907
Designed by
State Bridge for Garfield County
252 Feet Steel Bridge
Near Silt Colo.
Scale Cent Per Foot Date
State Engineers Office Denver Colo.
Approved
Geo H Angell

Map of the OFFICIAL SURVEY of the

FOSSIL CREEK RESERVOIR

BELONGING TO

THE NORTH POUDRE IRRIGATION CO.

LOCATED IN WATER DISTRICT No. 3.

Surveyed by

STATE ENGINEER OF COLORADO

In compliance with

Sec. 6, Chapter 85, Session Laws 1904-6-8

Field work and Computations by T.W. JAYCOX.

L.G. CARPENTER, STATE ENGINEER.

Drawn by GEO. H. LANGELL.

SCALE 200 Ft. to 1 IN.