



ADDENDUM NO. 1 TO PROJECT NO. 44409

**CONSTRUCTION AND ELECTRICAL WORK
DECOMMISSIONING OF CLEAR LAKE WATER TREATMENT
AND TRANSMISSION FACILITIES
COLLINS CORRECTIONAL FACILITY
MIDDLE ROAD
COLLINS, NY**

April 24, 2015

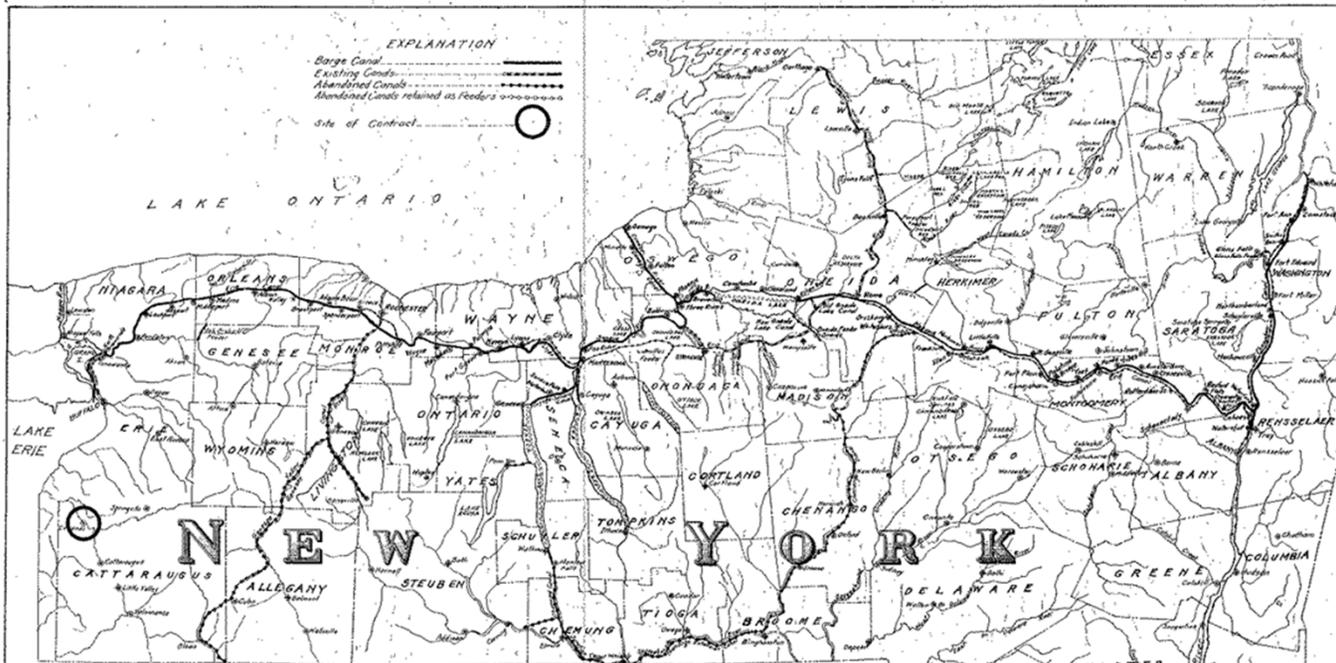
NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

REFERENCE DRAWINGS

1. Addendum Drawings:
 - a. The following Drawings as listed in Section 000115 accompany this Addendum for Reference only and are furnished only to show related conditions.
 1. Water Supply System for Gowanda State Homeopathic Hospital, Contract No. 2, Constructing the Pipe Line, July 1925, Sheets 1 to 15
 2. Water Supply System for Gowanda State Homeopathic Hospital, Contract No. 3, Constructing the Filtration Plant and Appurtenances, July 1926 - Jennings Road Water Treatment Plant (WTP), Sheets 1to16
 3. Rate of Flow Drawing for Sand Filters Jennings Rd. WTP – Single Sht.
 4. Chlorinator Apparatus – Jennings Road WTP, Single Drawing
 5. Contract 4 – Plumbing Drawings, Jennings Road WTP, Sheets 1 and 2
 6. Contract 5 – Steam Heating, July 1926, Jennings Road WTP, Two Sheets
 7. Improvements to Water Supply, New Filtration Plant, Building No. 88, March 1958 - Genesee Road WTP, Sheets 1-29
 8. Revised Float Switch – 1935 - Genesee Road WTP – Single Drawing
 9. Paint Settling Tank Interior – Jan. 7, 1982 – Single Drawing
 10. Replace Water Filter Media – May 8, 1986 – Single Drawing
 11. Sanitary & Heating Plan/Oil Tank - Genesee WTP – Single Drawing
 12. Gowanda State Homeopathic Hosp. – Controller – 1948 – Single Dwg.
 13. Accelerator Drawings, August 27, 1958 – 25 Drawings – Various Titles
 14. Construct Backwash System, Collins Correctional Facility, August 24, 2004, Project No. 41065-C Sheets C-1 to C-4

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction



Plans prepared by the Department of State Engineer and Surveyor at the request of the State Hospital Commission.

Examined and approved July 20th 1915
J. A. Thompson
 Division Engineer

Approved and calculated July 27th 1915
Frank B. Lawrence
 Deputy State Engineer and Surveyor

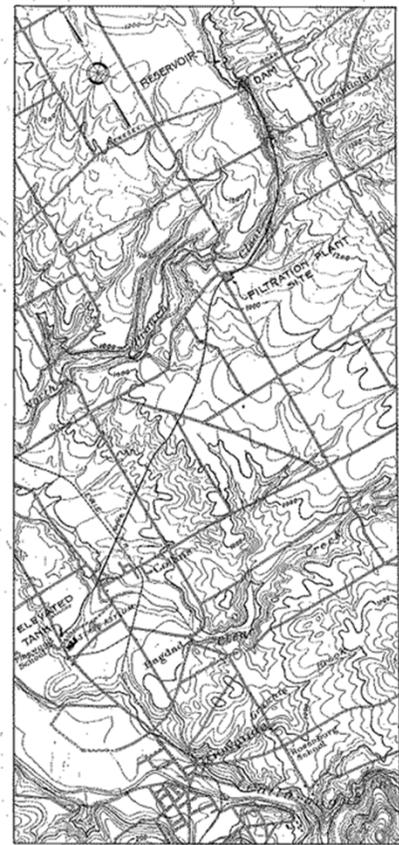
Approved July 27th 1915
Roy O. Smith
 State Engineer and Surveyor

Approved by resolution of the State Hospital Commission
 July 28th 1915
Walter S. Miller
 Sec. Secretary

SCALE OF MILES
 0 1 2 3 4

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5	PLAN STA. 122+83.83 TO STA. 181+06.80
6	PLAN STA. 181+06.80 TO STA. 239+84.82
7	PLAN STA. 239+84.82 TO STA. 298+04.83
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13	PROFILE STA. 240+00 TO STA. 302+00
14	PROFILE STA. 302+00 TO STA. 352+54.3
15	PIPE LINES IN HOSPITAL GROUNDS



LOCATION MAP
 SCALE: 1"=500'

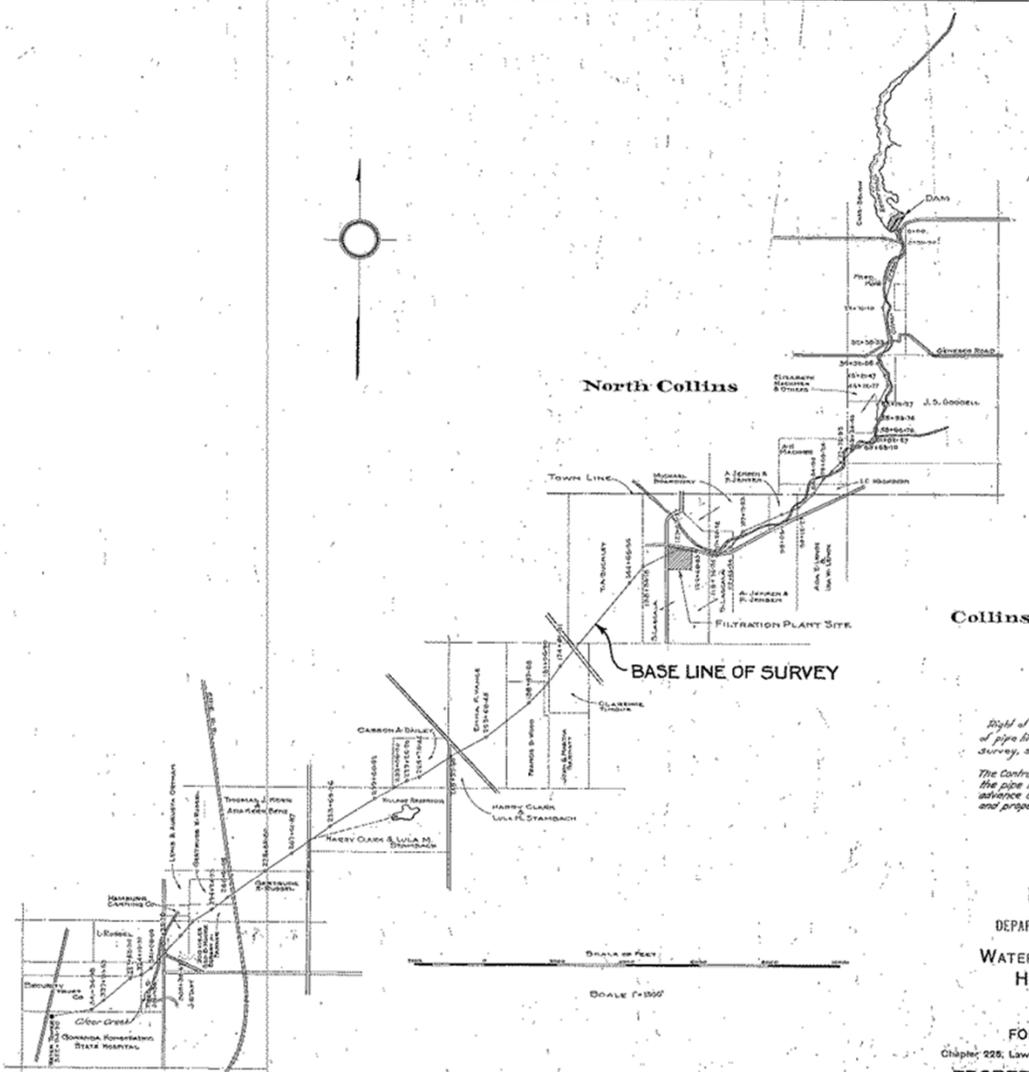
02802

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
 WATER SUPPLY SYSTEM FOR GOWANDA
 HOMEOPATHIC STATE HOSPITAL
 CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE
 Chapter 226, Laws of 1923, and Chapter 140, Laws of 1924
 Chapter 181, Laws of 1925
 LOCATION MAP

#4943

The center line of the proposed right of way diverges slightly of the several angle points, as shown on the base line of survey, substantially as follows:-

Base Line Station.	Curve	Divergence.	
22+76.70	to left	18"	
27+38.33	"	right 36"	
32+32.33	"	left 90"	
43+03.47	"	right 15"	
66+12.77	"	right 15"	
51+12.37	"	left 17"	
58+90.76	"	right 16"	
61+82.37	"	right 16"	
68+24.40	"	left 18"	
79+00.34	"	"	"
84+34.90	"	right 15"	
90+15.37	"	right 15"	
103+17.03	"	left 30"	
112+64.94	"	right 18"	
129+34.38	"	left 15"	
134+00.01	"	"	"
131+09.50	"	right 5"	
188+42.58	"	"	"
203+55.45	"	"	"
215+27.80	"	left 7"	
215+14.44	"	right 25"	
229+25.30	"	left 15"	
233+06.00	"	right 7"	
229+56.82	"	left 7"	
300+19.88	"	"	"
305+05.62	"	right 8"	
321+08.09	"	"	"
326+10.37	"	"	"
327+62.90	"	left 15"	
341+38.89	"	right 10"	



Right of way 20'± wide, approximately 10'± feet each side of pipe line. For location of pipe line to base line of survey, see sheets 3 to 8 inclusive.

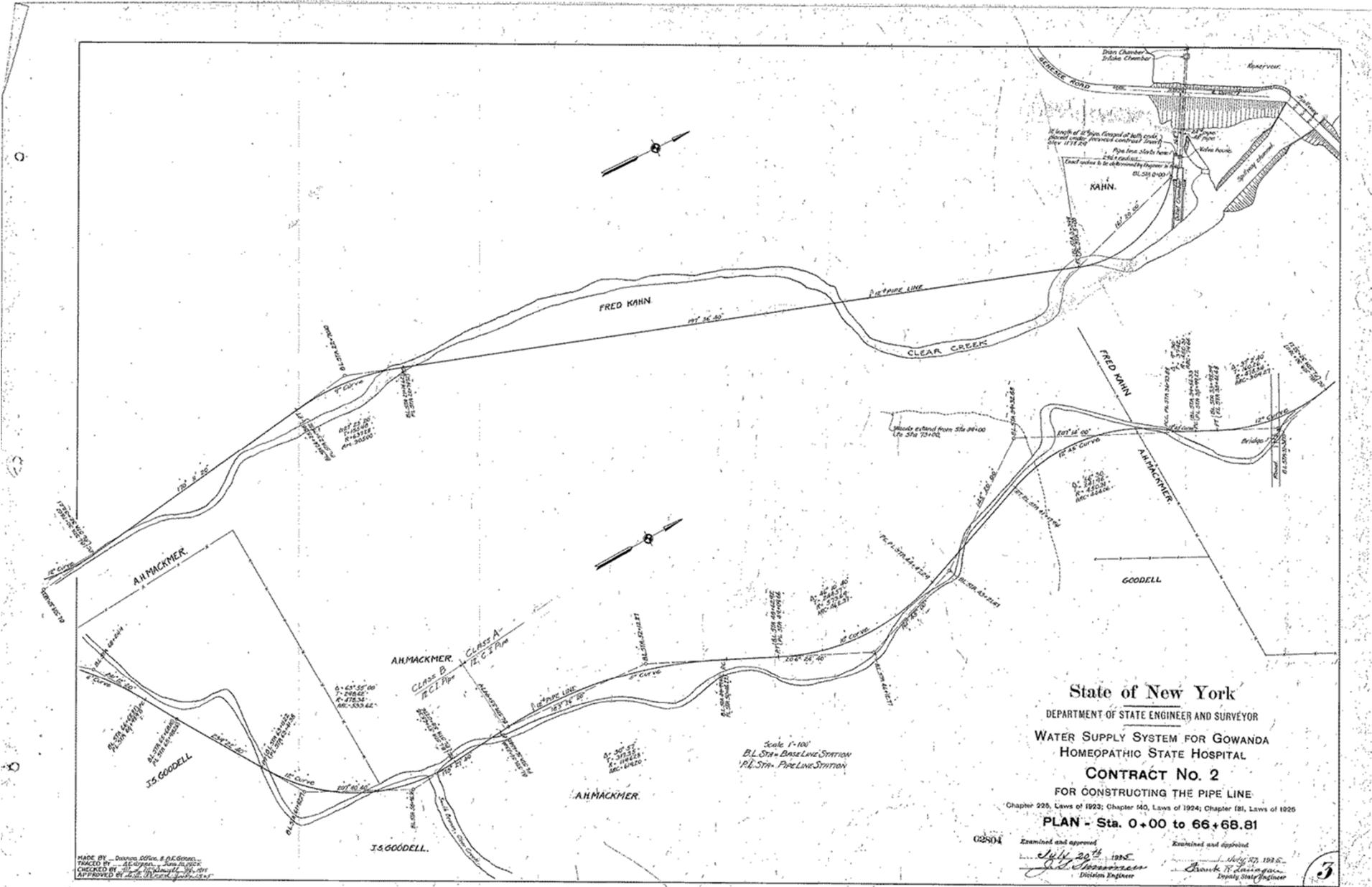
The Contractor shall notify the various owners of pipe lines crossed by the pipe lines constructed under this contract at least 72 hours in advance of such crossing so that said owners may flag the work and properly protect and guard their pipe lines.

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
 WATER SUPPLY SYSTEM FOR GOWANDA
 HOMEOPATHIC STATE HOSPITAL
 CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE
 Chapter 225, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925.
 PROPERTY TRAVERSED BY PIPE LINE

MADE BY E.J. BEAN
 TRACED BY H. BEREDICT, JR., I.N.S.
 CHECKED BY O. D. Wood, July 10, 1925
 APPROVED E. D. Wood, July 10, 1925

025401 Examined and approved
 July 20th 1925
 J. H. Thompson
 District Engineer

Examined and approved
 July 27, 1925
 Frank Livingston
 Deputy State Engineer



State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
WATER SUPPLY SYSTEM FOR GOWANDA
HOMEOPATHIC STATE HOSPITAL
CONTRACT No. 2
FOR CONSTRUCTING THE PIPE LINE
Chapter 225, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925
PLAN - Sta. 0+00 to 66+68.81

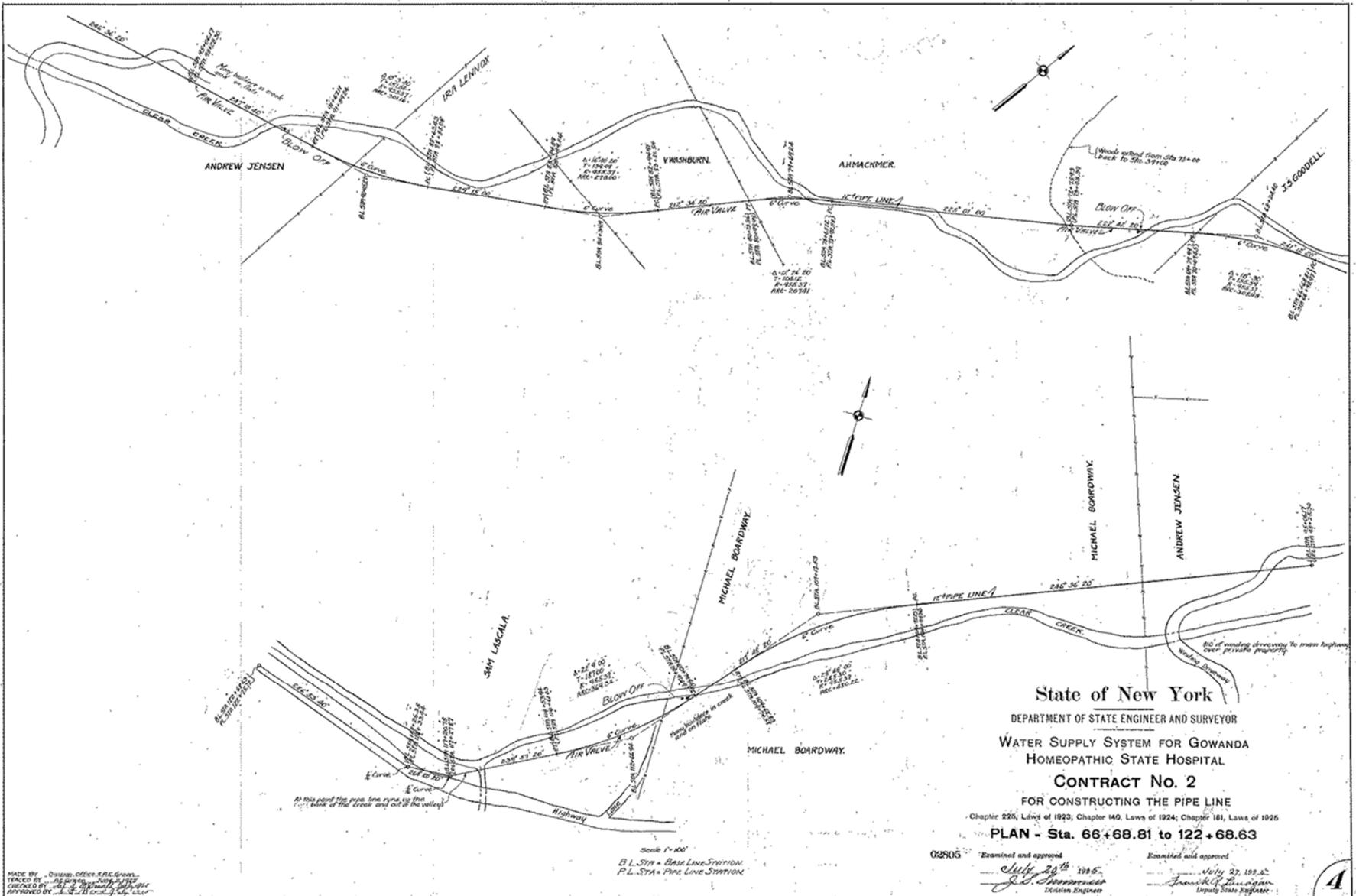
02804 Examined and approved
July 20th 1925
J. S. Goodell
 District Engineer

Examined and approved
July 27, 1925
Charles R. ...
 Deputy State Engineer

3

4943

MADE BY - Division Office, S. O. Goodell
 TRACED BY - S. O. Goodell, June 1925
 CHECKED BY - S. O. Goodell, July 1925
 APPROVED BY - S. O. Goodell, July 1925



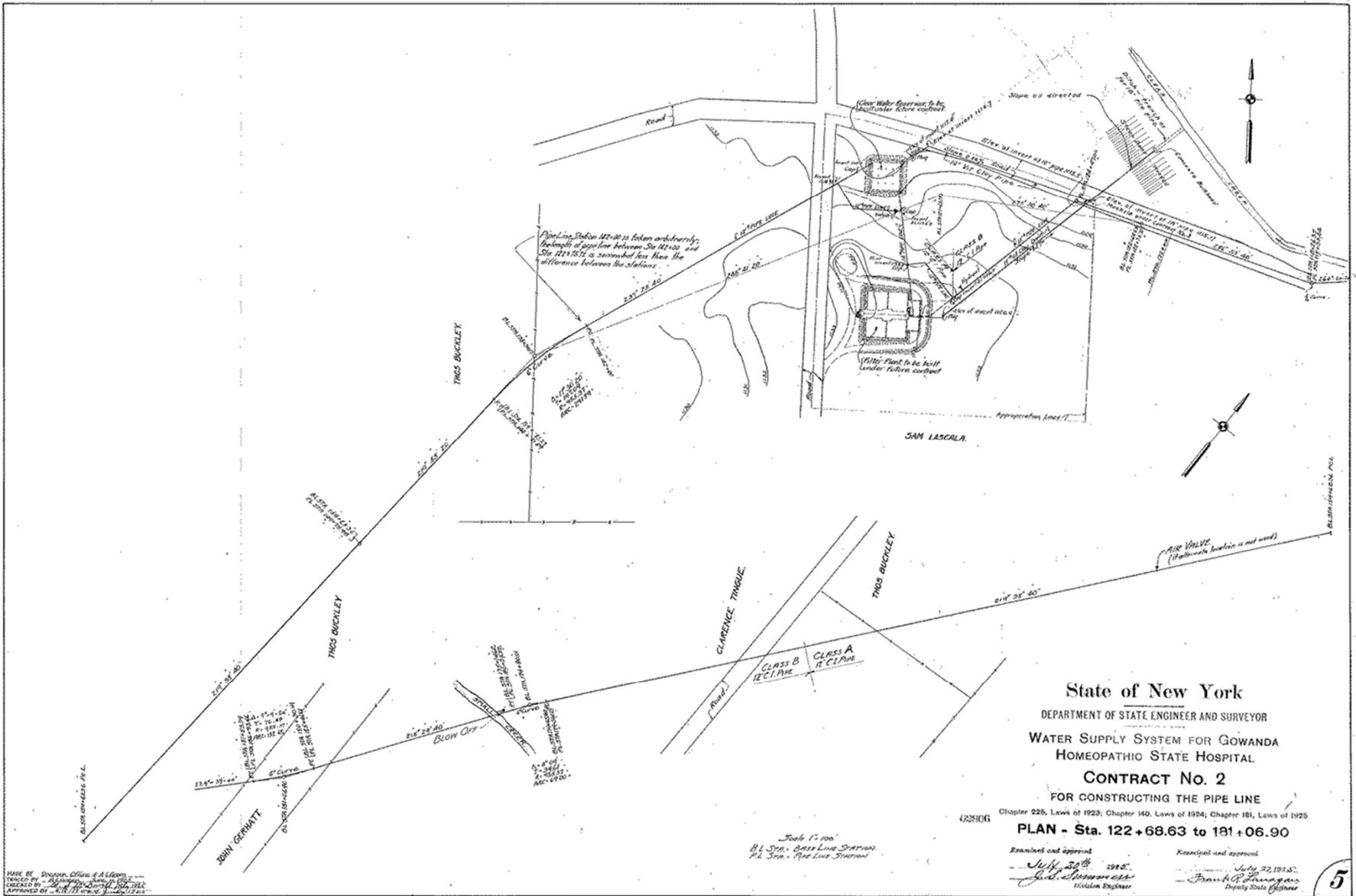
MADE BY: Division Office S.E.C. Green
 TRACED BY: J.B. Thompson
 CHECKED BY: J.B. Thompson
 APPROVED BY: J.B. Thompson

Scale 1" = 100'
 B.L. STA + Base Line Station
 P.L. STA + Pipe Line Station

02805 Examined and approved
 July 28th 1925
 J.B. Thompson
 Division Engineer

Examined and approved
 July 27, 1925
 J.B. Thompson
 Deputy State Engineer

4
 4943



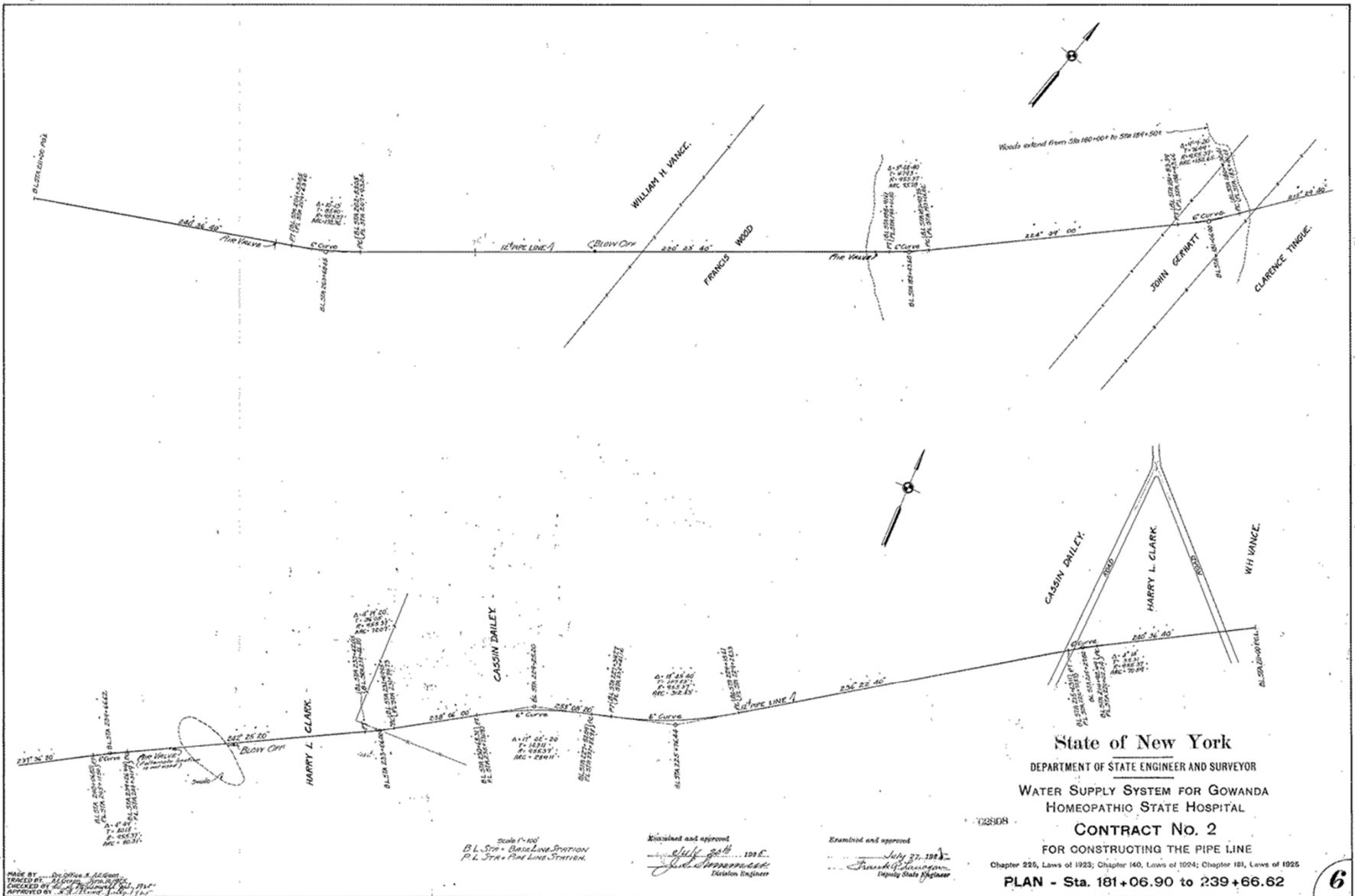
MADE BY: Weston, Clark & A. L. G. Co.
 DRAWN BY: J. W. G. Co.
 CHECKED BY: J. W. G. Co.
 APPROVED BY: R. H. H. Co.

Scale 1" = 100'
 B.L. STA. 122+68.63
 P.L. STA. 181+06.90

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
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 HOMEOPATHIC STATE HOSPITAL
 CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE
 Chapter 225, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925
 PLAN - Sta. 122+68.63 to 181+06.90

Examined and approved:
 July 27, 1915.
 J. W. G. Co.
 Division Engineer

Financial and approval:
 July 27, 1915.
 J. W. G. Co.
 Deputy State Engineer



State of New York

DEPARTMENT OF STATE ENGINEER AND SURVEYOR

WATER SUPPLY SYSTEM FOR GOWANDA HOMEOPATHIC STATE HOSPITAL

CONTRACT No. 2

FOR CONSTRUCTING THE PIPE LINE

Chapter 225, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925

PLAN - Sta. 181+06.90 to 239+66.62

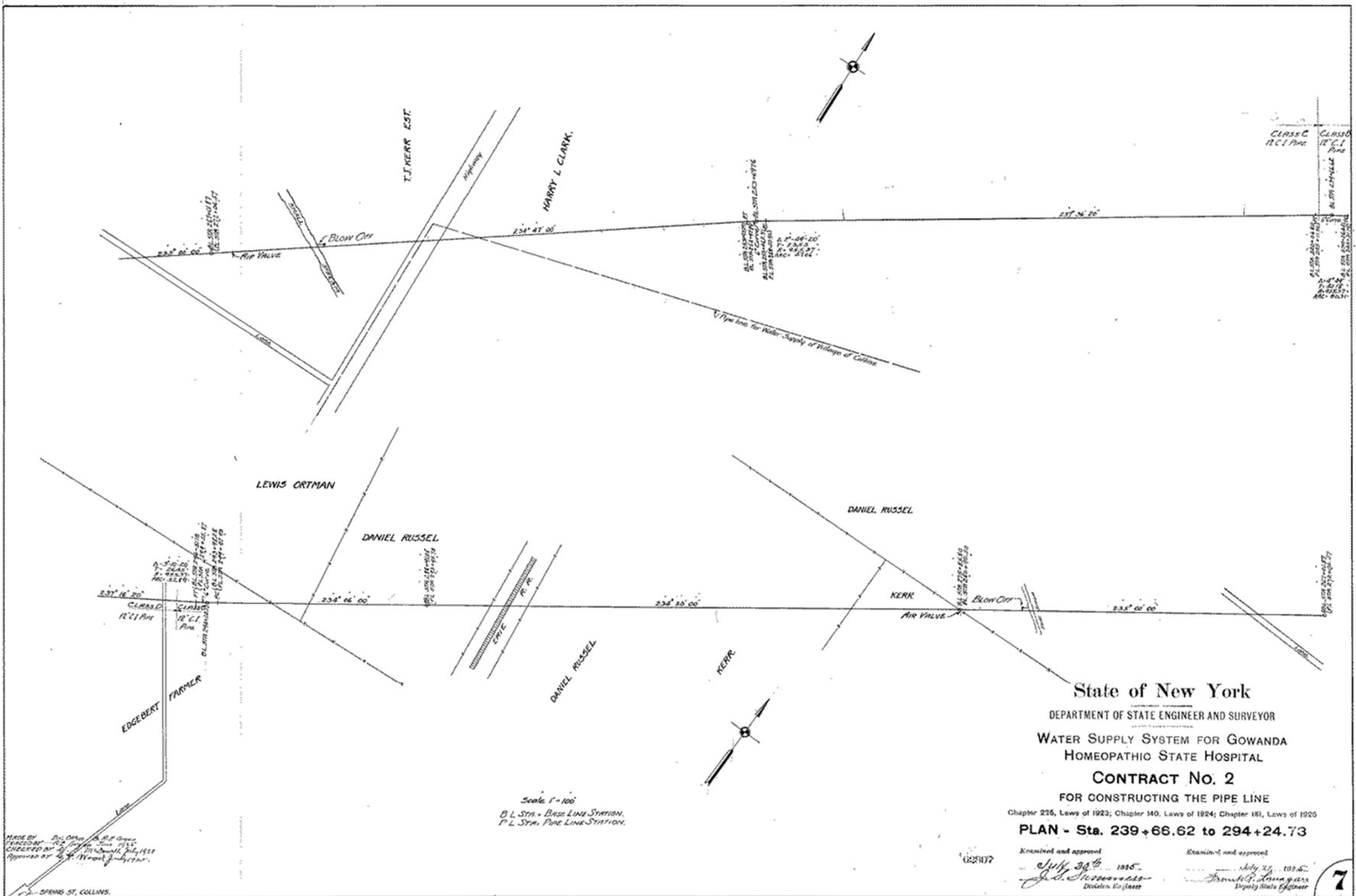
6

MADE BY ...
 TRACED BY ...
 CHECKED BY ...
 APPROVED BY ...

Scale 1"=100'
 B.L. Sta. = Base Line Station
 P.L. Sta. = Pipe Line Station

Examined and approved
 July 20th 1925
 State Engineer

Examined and approved
 July 27, 1925
 State Engineer



MADE BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

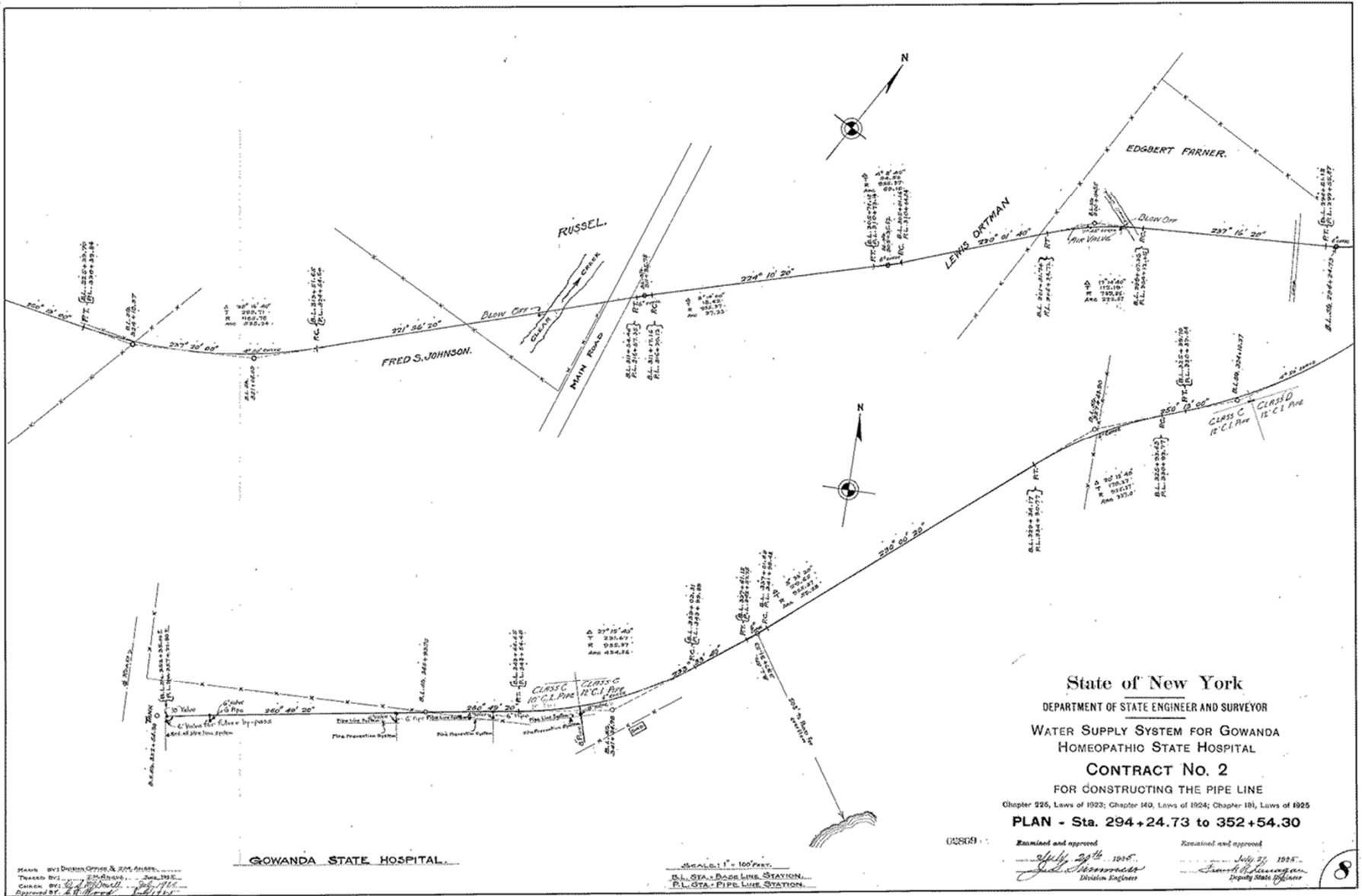
Scale 1" = 100'
 B.L. STA. - BASE LINE STATION.
 P.L. STA. - PIPE LINE STATION.

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
 WATER SUPPLY SYSTEM FOR GOWANDA
 HOMEOPATHIC STATE HOSPITAL
 CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE
 Chapter 226, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925
PLAN - Sta. 239+66.62 to 294+24.73

Examined and approved: [Signature] July 28th 1916
 District Engineer

Examined and approved: [Signature] July 27, 1916
 Deputy State Engineer

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State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
WATER SUPPLY SYSTEM FOR GOWANDA HOMEOPATHIC STATE HOSPITAL
CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE
Chapter 226, Laws of 1923; Chapter 149, Laws of 1924; Chapter 181, Laws of 1925
PLAN - Sta. 294+24.73 to 352+54.30

Examined and approved
July 29th 1925
 Division Engineer

Examined and approved
July 27th 1925
 Deputy State Engineer

8

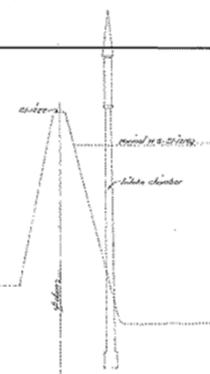
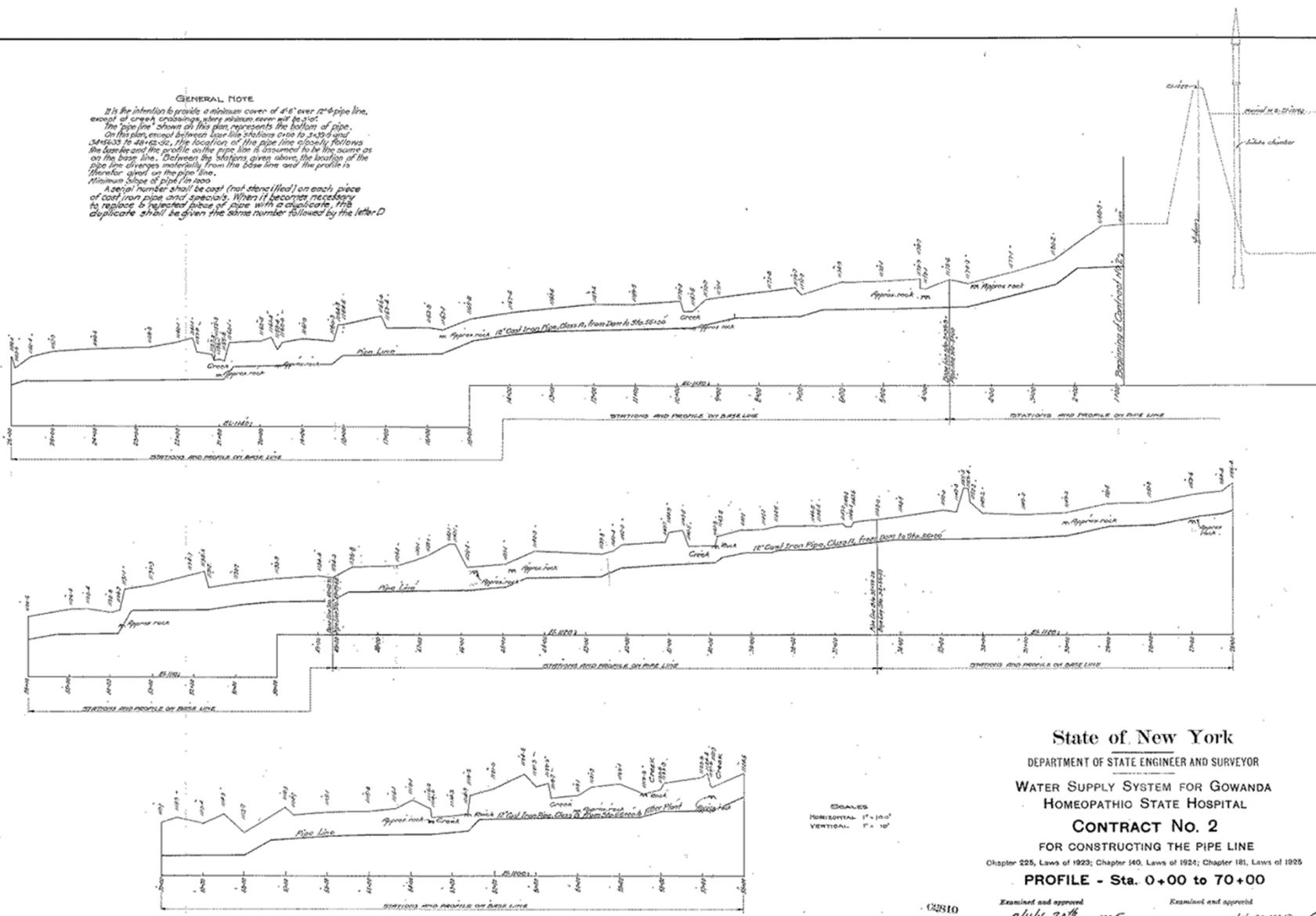
MADE BY DESIGN OFFICE & SURVEYORS
 DRAWN BY
 CHECKED BY
 APPROVED BY

GOWANDA STATE HOSPITAL

SCALE: 1" = 100 FEET
 D.L. STA. - DRAIN LINE STATION
 P.L. STA. - PIPE LINE STATION

GENERAL NOTE

It is the intention to provide a minimum cover of 4'6" over 12" pipe line, except at creek crossings, where minimum cover will be 5'0".
 The pipe line shown on this plan represents the bottom of pipe.
 On this plan, except between span-line stations 0+00 to 3+50 and 3+45 to 4+00, the location of the pipe line closely follows the base line and the profile on the pipe line is assumed to be the same as on the base line. Between the stations given above, the location of the pipe line diverges materially from the base line and the profile is therefore given on the pipe line.
 Minimum slope of pipe, 1 in 100.
 A serial number shall be cast (not stenciled) on each piece of cast iron pipe and spacers. When it becomes necessary to replace a rejected piece of pipe with a duplicate, this duplicate shall be given the same number followed by the letter D.



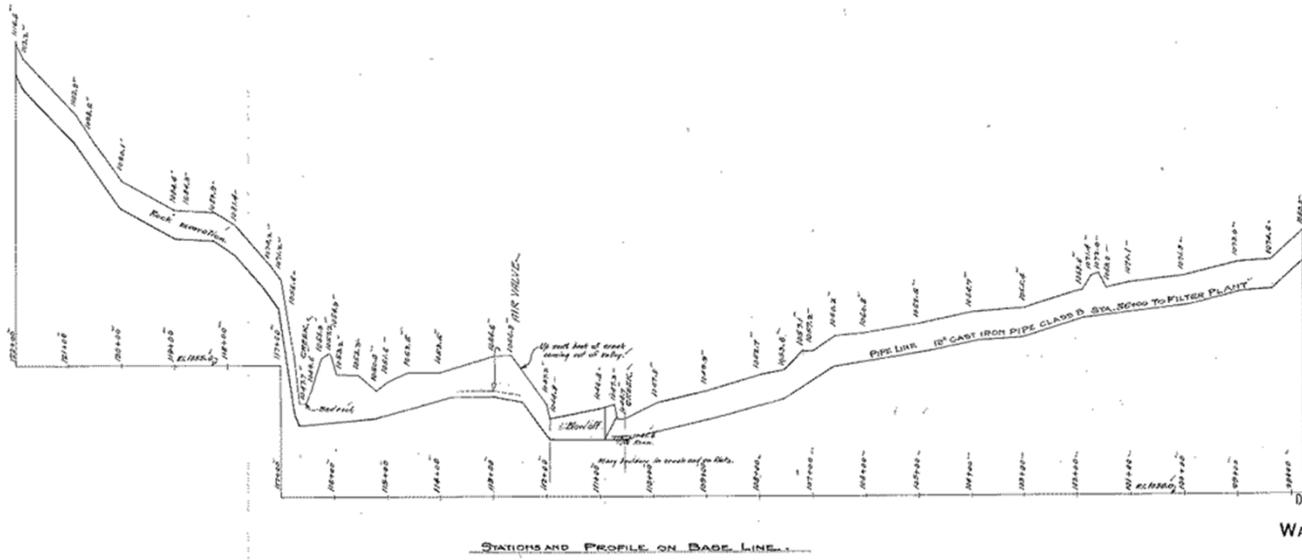
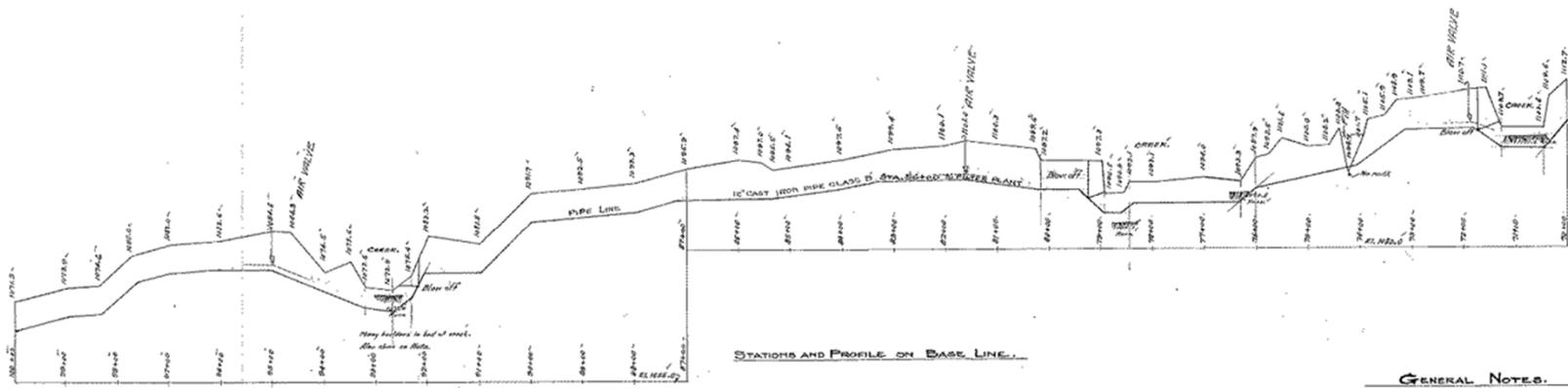
State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
WATER SUPPLY SYSTEM FOR GOWANDA
HOMEOPATHIC STATE HOSPITAL
CONTRACT NO. 2
 FOR CONSTRUCTING THE PIPE LINE
Chapter 225, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925
PROFILE - Sta. 0+00 to 70+00

SCALES
 HORIZONTAL 1" = 100'
 VERTICAL 1" = 10'

Examined and approved
July 20th 1925
 Division Engineer
 Examined and approved
 July 27, 1925
 Deputy State Engineer

MADE BY S. H. HALL
 TRACED BY S. H. HALL
 CHECKED BY E. H. WOOD

4913



GENERAL NOTES.

It is the intention to provide a minimum cover of 4'0" over 12" pipe line, except at creek crossings where minimum cover will be less. The pipe line shown on this plan represents the bottom of pipe.

On this plan the location of the pipe line closely follows the base line, and the profile on the pipe line is assumed to be the same as on the base line.

Provide minimum cover of 6'0" over air valves.

Minimum slope of pipe 1" in 100'.

A serial number shall be cast (not stencilled) on each piece of cast iron pipe and specials. When it becomes necessary to replace or reject a piece of pipe with a duplicate, the duplicate shall be given the same number followed by the letter D.

State of New York

DEPARTMENT OF STATE ENGINEER AND SURVEYOR

WATER SUPPLY SYSTEM FOR GOWANDA HOMEOPATHIC STATE HOSPITAL

CONTRACT No. 2

FOR CONSTRUCTING THE PIPE LINE

Chapter 226, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925

PROFILE - Sta. 70+00 to 122+00

62811

Examined and approved
July 29th 1925
J. S. [Signature]
 District Engineer

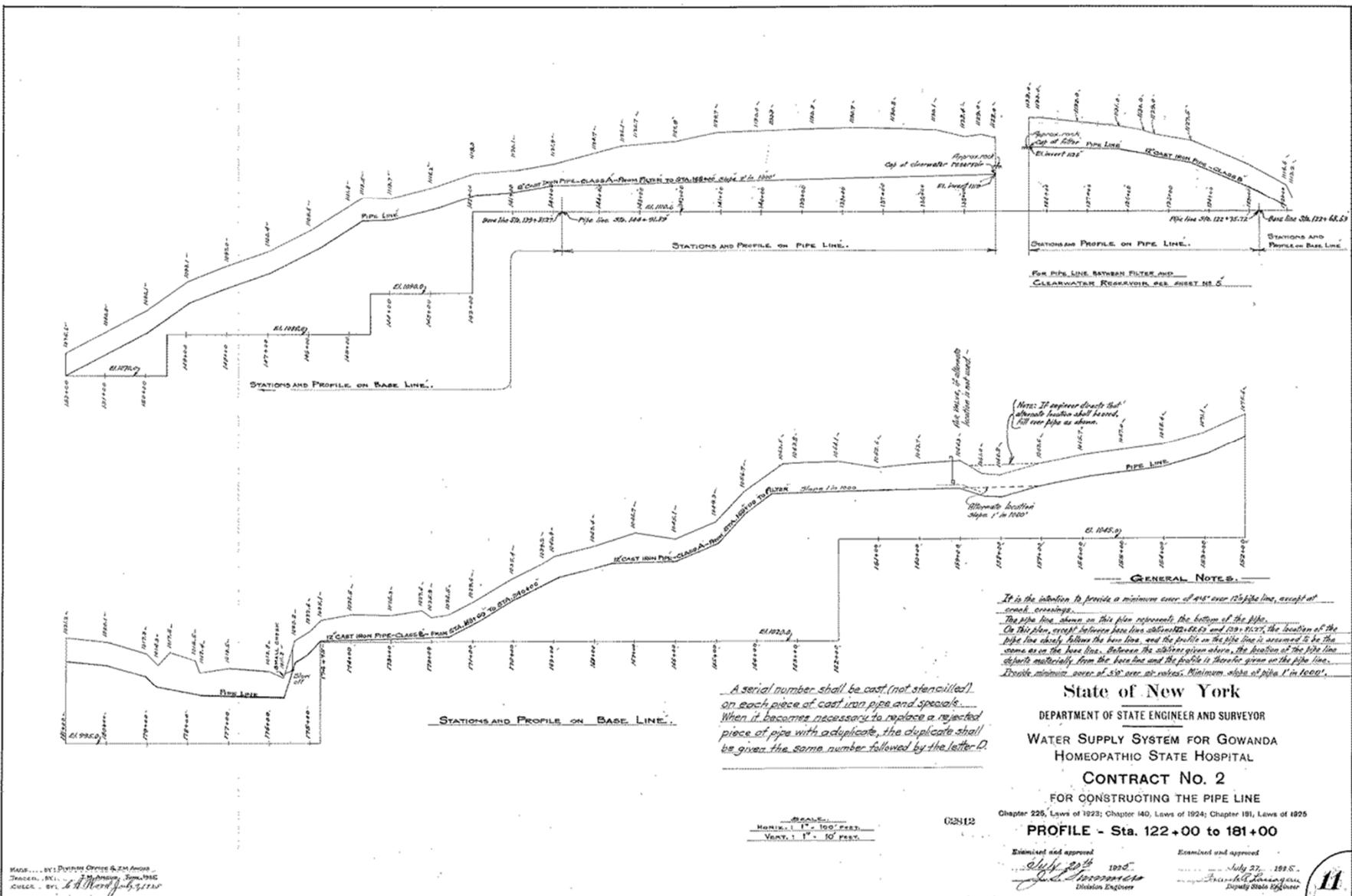
Examined and approved
July 27, 1925
[Signature]
 District Engineer

10

Made by W.C. ...
 Checked by ...
 Date ...

SCALE
 HORIZ. 1" = 100 FEET
 VERT. 1" = 10 FEET

4143



GENERAL NOTES.

It is the intention to provide a minimum cover of 4'1/2' over 12" pipe line, except at creek crossings.

The pipe line shown on this plan represents the bottom of the pipe.

On this plan, cross-sections between base line stations 122+00 and 123+00, the location of the pipe line closely follows the base line, and the profile on the pipe line is assumed to be the same as on the base line. Between the stations given above, the location of the pipe line deviates materially from the base line and the profile is therefore given on the pipe line.

Provide minimum cover of 5'0" over 24" valves. Minimum slope of pipe 1" in 1000'.

A serial number shall be cast (not stencilled) on each piece of cast iron pipe and specials.

When it becomes necessary to replace a rejected piece of pipe with a duplicate, the duplicate shall be given the same number followed by the letter D.

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
WATER SUPPLY SYSTEM FOR GOWANDA HOMEOPATHIC STATE HOSPITAL
CONTRACT NO. 2
FOR CONSTRUCTING THE PIPE LINE
 Chapter 226, Laws of 1923; Chapter 140, Laws of 1924; Chapter 191, Laws of 1925
PROFILE - Sta. 122+00 to 181+00

SCALE
 HORIZ. 1" = 100 FEET
 VERT. 1" = 10 FEET

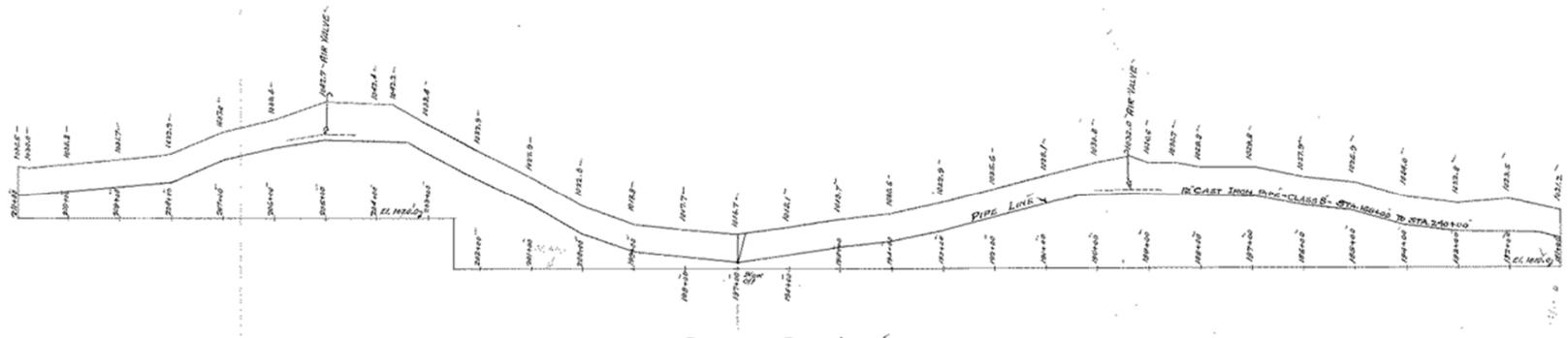
Examined and approved
 July 27 1925
 J. H. ...
 District Engineer

Examined and approved
 July 27 1925
 J. ...
 Deputy State Engineer

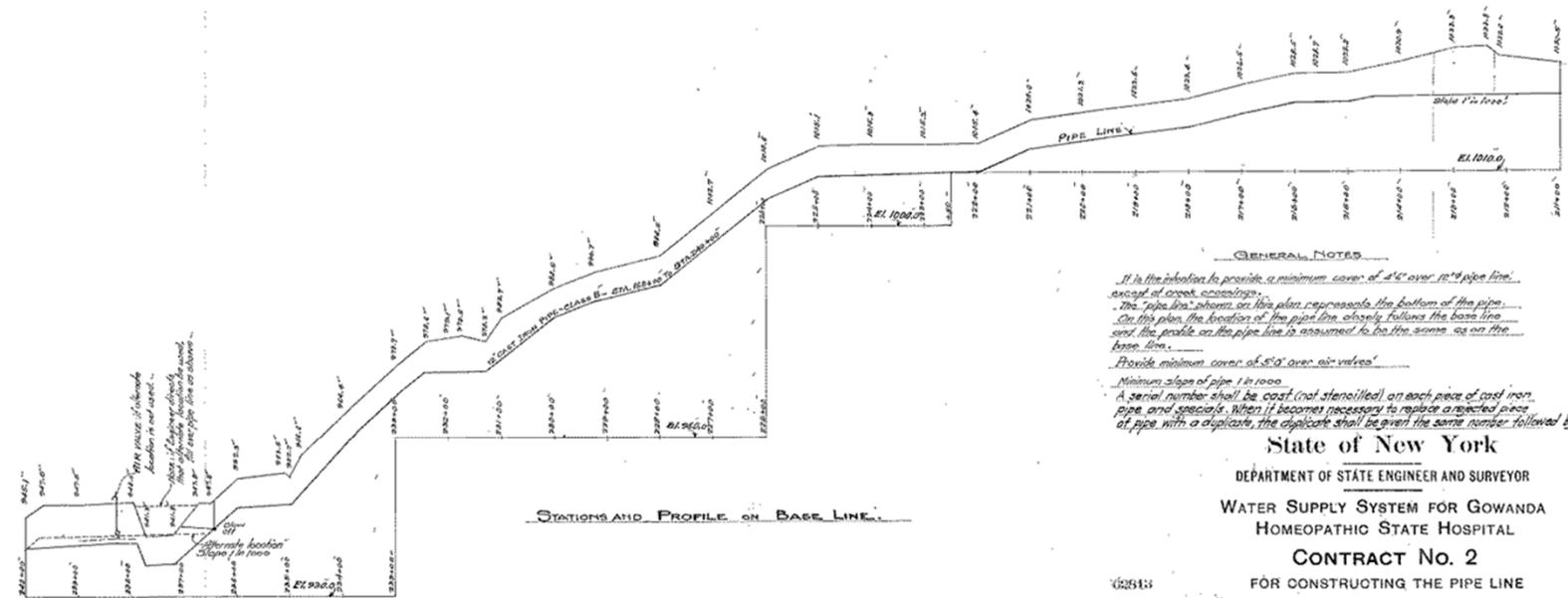
MADE BY ...
 CHECK BY ...

11

4793



STATIONS AND PROFILE ON BASE LINE.



STATIONS AND PROFILE ON BASE LINE.

GENERAL NOTES

- If in the location to provide a minimum cover of 4' over 18" pipe line, except at creek crossings.*
- The pipe line shown on this plan represents the bottom of the pipe.*
- On this plan the location of the pipe line closely follows the base line and the profile on the pipe line is assumed to be the same as on the base line.*
- Provide minimum cover of 5'0" over air-valves.*
- Minimum slope of pipe 1 in 1000.*
- A serial number shall be cast (not stencilled) on each piece of cast iron pipe and specials. When it becomes necessary to replace a rejected piece of pipe with a duplicate, the duplicate shall be given the same number followed by the letter-D.*

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
 WATER SUPPLY SYSTEM FOR GOWANDA
 HOMEOPATHIC STATE HOSPITAL
 CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE
 PROFILE - Sta. 181+00 to 240+00

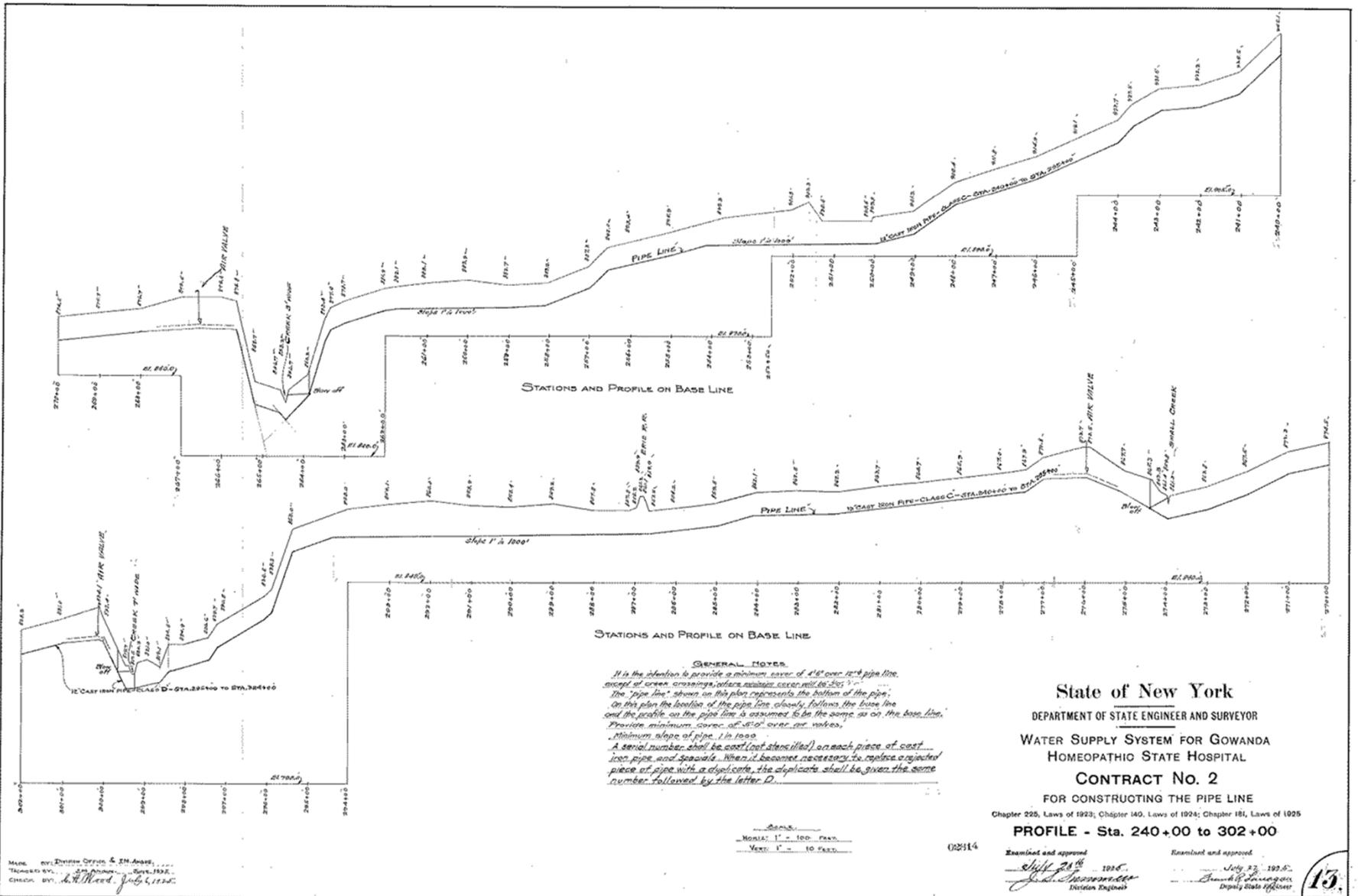
Examined and approved
July 24th 1925
J. J. Sumner
 Division Engineer

Examined and approved
July 27th 1925
Franklin H. ...
 Deputy State Engineer

MADE BY: ENGINE OFFICE, 6 R.M. ANSON
 TRACED BY: ...
 CHECKED BY: ...

SCALE
 HORIZONTAL 1" = 100' HORIZ.
 VERTICAL 1" = 10' VERT.

17743



GENERAL NOTES.
 It is the intention to provide a minimum cover of 4'8" over 12" pipe line, except at screen crossings, where minimum cover will be 3' 0".
 The pipe line shown on this plan represents the bottom of the pipe.
 On this plan the location of the pipe line closely follows the base line and the profile on the pipe line is assumed to be the same as on the base line.
 Provide minimum cover of 5'0" over air valves.
 Minimum slope of pipe 1 in 1000.
 A serial number shall be cast (not stenciled) on each piece of cast iron pipe and spawls. When it becomes necessary to replace a rejected piece of pipe with a duplicate, the duplicate shall be given the same number followed by the letter D.

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
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 HOMEOPATHIC STATE HOSPITAL
 CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE
 Chapter 225, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925
PROFILE - Sta. 240+00 to 302+00

MADE BY DIVISION OFFICE & IN ANSWER TO ORDER BY CHIEF ENGINEER, JULY 1925.
 CHECKED BY: A. H. Reed, July 1, 1925.

SCALE
 HORIZONTAL - 1" = 100 FEET.
 VERTICAL - 1" = 10 FEET.

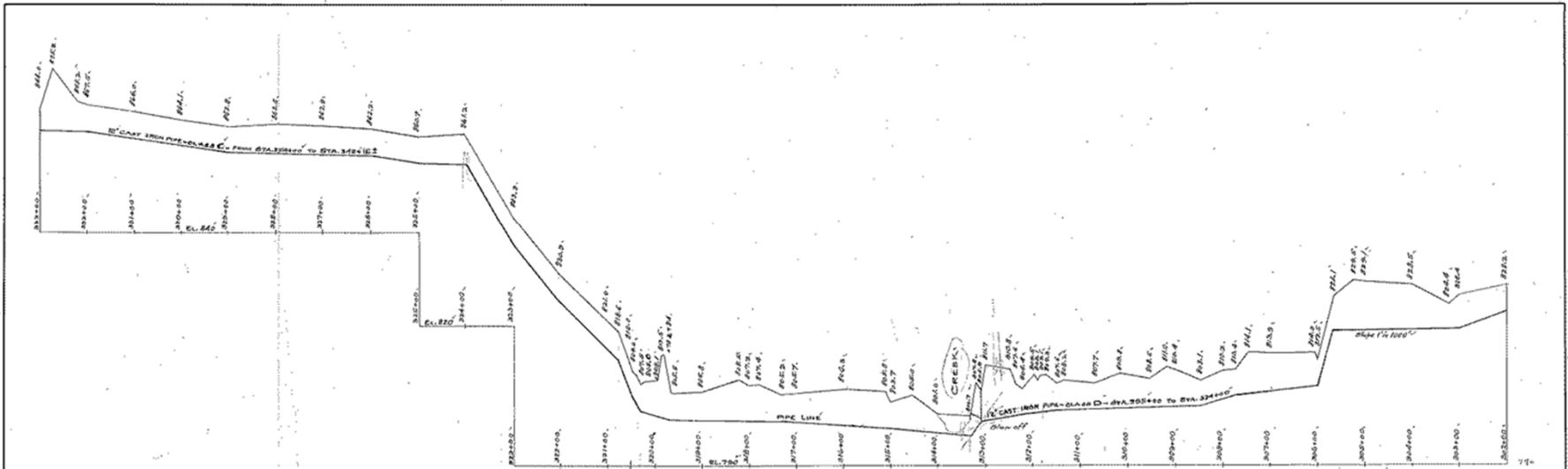
022914

Examined and approved
[Signature] July 23, 1925.
 Division Engineer

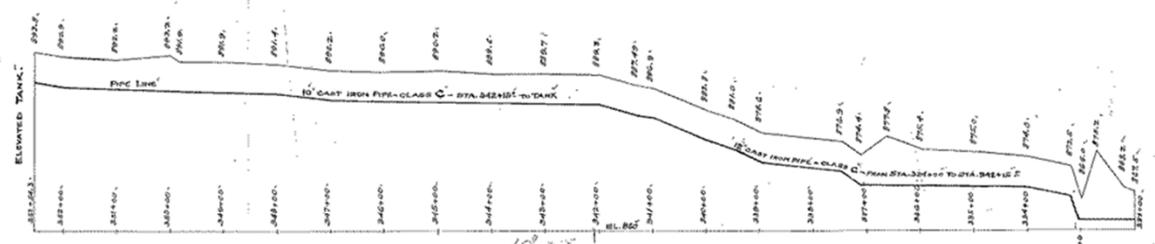
Examined and approved
[Signature] July 23, 1925.
 Deputy State Engineer

15

4/9/23



STATIONS AND PROFILE ON BASE LINE.



STATIONS AND PROFILE ON BASE LINE.

GENERAL NOTES.

It is the intention to provide a minimum cover of 4'6" over 18" pipe line except at creek crossings where minimum cover will be 3'0".
 The "pipe line" shown on this plan represents the bottom of the pipe.
 On this plan the location of the pipe line closely follows the base line and the profile on the pipe line is assumed to be the same as on the base line.
 Provide minimum cover of 3'0" over air release.
 Minimum slope of pipe "i" in 1000.
 A serial number shall be cast (not stencilled) on each piece of cast iron pipe and specials. When it becomes necessary to replace a rejected piece of pipe with a duplicate, the duplicate shall be given the same number followed by the letter "D".

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
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 CONTRACT No. 2
 FOR CONSTRUCTING THE PIPE LINE

Chapter 226, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925
PROFILE - Sta. 302+00 to 352+54.3

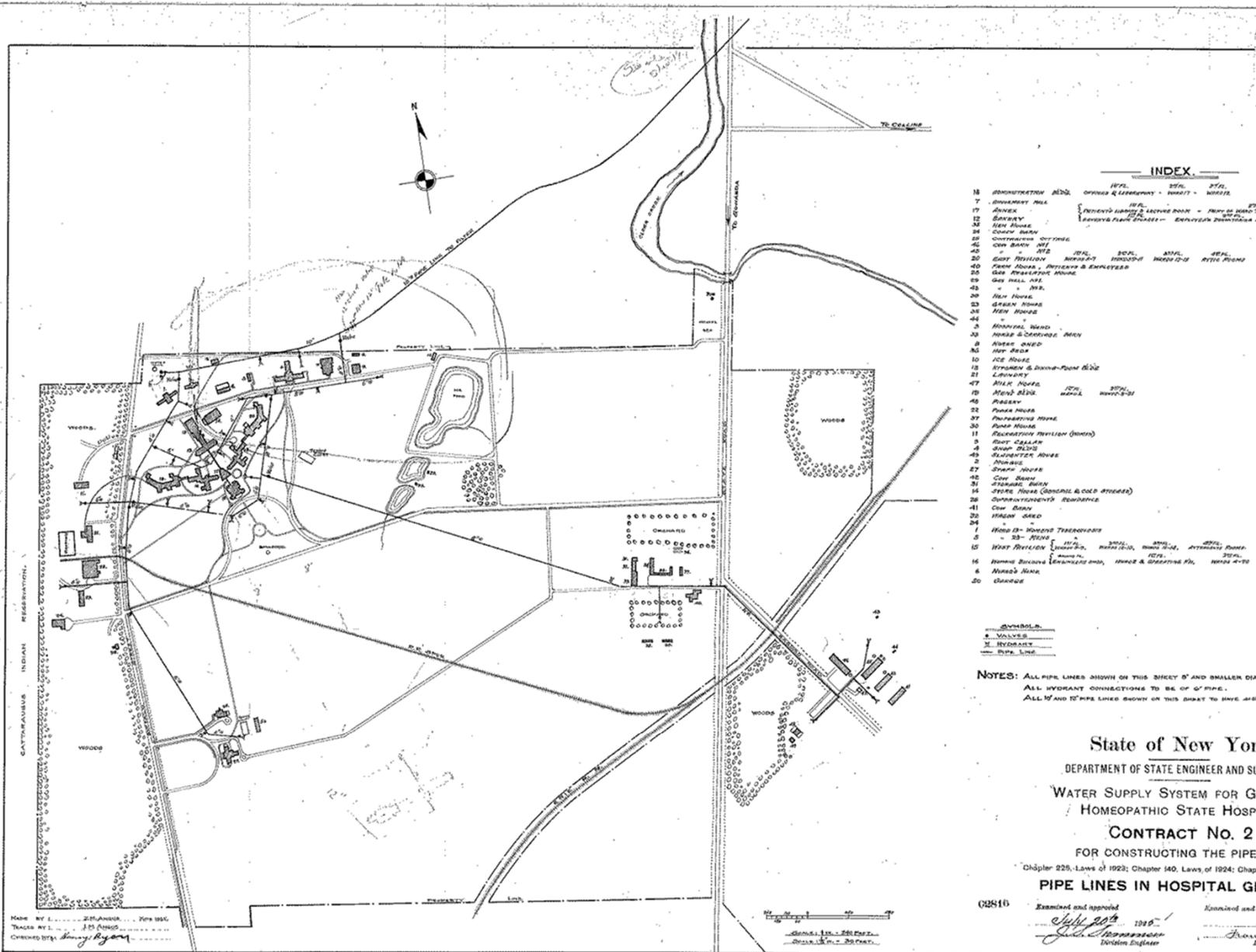
Made by: BENTON, OTTENS, & CHAMBERS
 Checked by: J. J. Bennett, Supt. Engr.
 Drawn by: J. H. Wood, Jr., Supt. Engr.

SCALE
 HORIZONTAL 1" = 100 FEET
 VERTICAL 1" = 10 FEET

Examined and approved: *J. J. Bennett*, Supt. Engr.
 Examined and approved: *J. H. Wood, Jr.*, Supt. Engr.

14.

4943



INDEX

No.	Description	HYD.	VAL.	HYD.	VAL.
18	ADMINISTRATIVE BLDG.	OPENING & LATERAL	WARRANT	WARRANT	WARRANT
17	AMMUNITION MILL				
12	APPEX	DETACHED LATERAL & LATERAL MAIN	WARRANT	WARRANT	WARRANT
34	COOKY HOUSE				
35	CONTRACTOR OFFICE				
42	COIN BANK BLDG.				
20	EAST DIVISION	HYDRAULIC	WARRANT	WARRANT	WARRANT
40	FARM HOUSE - OFFICERS & EMPLOYEES				
25	GEN. WAREHOUSE				
29	GEN. MILL BLDG.				
43	" " " " "				
30	HALL HOUSE				
23	GREEN HOUSE				
38	HAY HOUSE				
44	" " " " "				
3	HOSPITAL BLDG.				
33	HOUSE & GARAGE				
8	HOUSE - QUES.				
32	JAN. BLDG.				
10	ICE HOUSE				
13	INSURANCE & STORAGE BLDG.				
21	LAVATORY				
47	MILK HOUSE	HYD.	VAL.	HYD.	VAL.
19	MEN'S BLDG.	HYD.	VAL.	HYD.	VAL.
46	MESSY				
22	PAINT HOUSE				
37	PREPARING HOUSE				
36	PUMP HOUSE				
11	RECREATION BUILDING (GOLF)				
5	SHOT CALLAN				
45	SHOP BLDG.				
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27	STEAM HOUSE				
41	COOL BLDG.				
14	STEAMING BLDG.				
16	OFFICE HOUSE (GENERAL & COLD STORAGE)				
28	CONTRACTOR'S RESIDENCE				
41	COOL BLDG.				
29	WATER TOWER				
34	" " " " "				
1	WATER HOUSE THERMOPHORE				
5	WATER HOUSE	HYD.	VAL.	HYD.	VAL.
15	WEST DIVISION	HYD.	VAL.	HYD.	VAL.
16	WATER HOUSE (LAVATORY BLDG., HOUSE & GARAGE)	HYD.	VAL.	HYD.	VAL.
6	WATER HOUSE				
20	WATER HOUSE				

- SYMBOLS**
- VALVE
 - HYDRANT
 - PIPE LINE

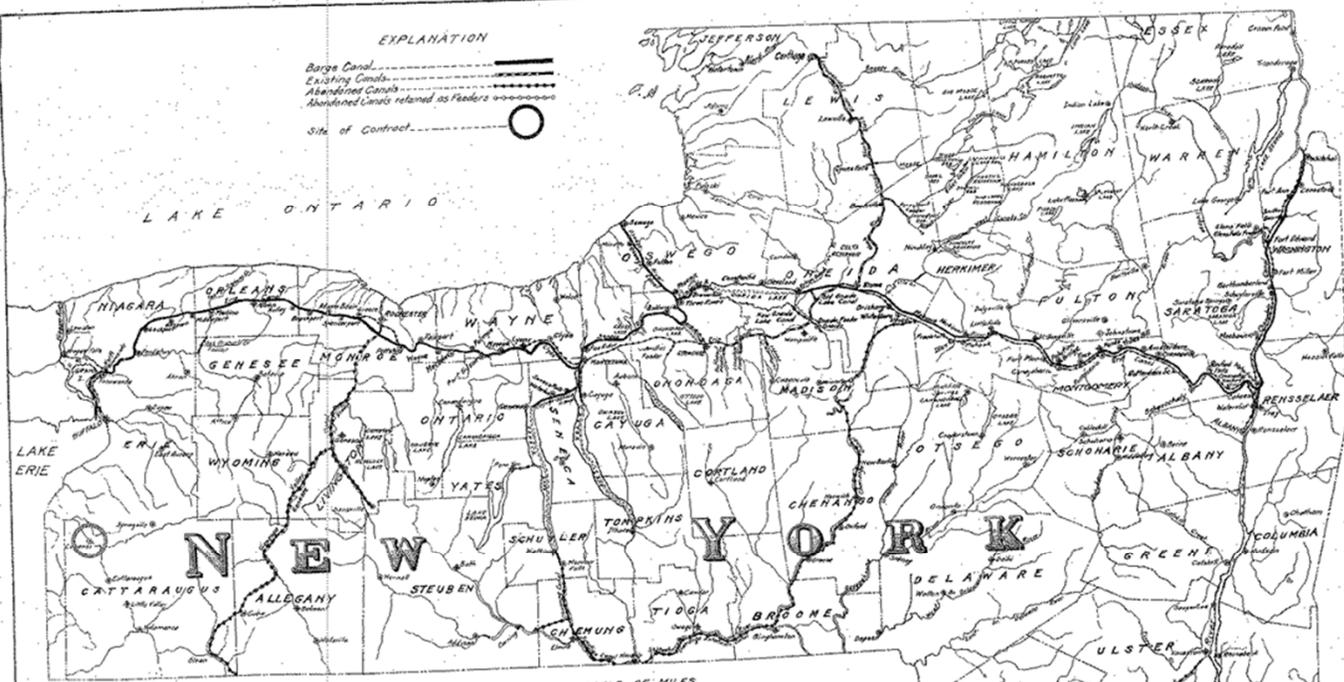
NOTES: ALL PIPE LINES SHOWN ON THIS SHEET 8" AND SMALLER DIAMETER TO HAVE 5" COVER.
 ALL HYDRANT CONNECTIONS TO BE OF 6" PIPE.
 ALL 12" AND 18" PIPE LINES SHOWN ON THIS SHEET TO HAVE 48" COVER.

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
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CONTRACT No. 2
FOR CONSTRUCTING THE PIPE LINE
Chapter 225, Laws of 1923; Chapter 140, Laws of 1924; Chapter 181, Laws of 1925
PIPE LINES IN HOSPITAL GROUNDS

62816 Examined and approved *[Signature]* 1925
 State Engineer
 Examined and approved *[Signature]* 1925
 Deputy State Engineer

MADE BY L. J. MANNING, JUN 1925
 TRACES BY L. J. MANNING
 CHECKED BY *[Signature]*

4943



EXPLANATION

Barge Canal.....

Existing Canals.....

Abandoned Canals retained as Fladors.....

Site of Contract.....

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CONTRACT No. 3

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No. 2	9
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Plans prepared by the Department of State Engineer and Surveyor
at the request of the State Hospital Commission.

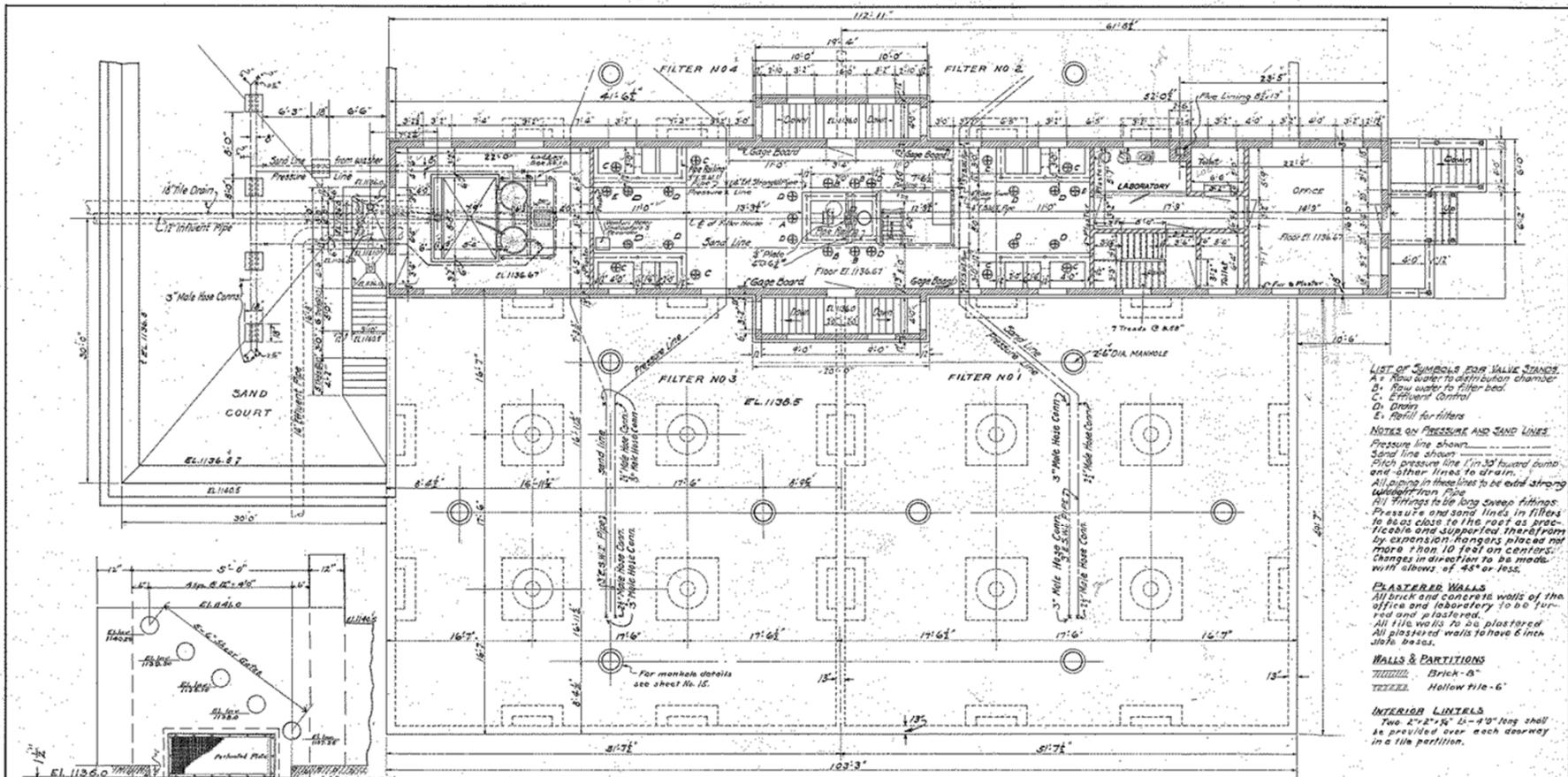
Approved July 6, 1926
Roy A. Fuica
State Engineer and Surveyor

Approved by resolution of the State Hospital Commission.
July 7th, 1926
Anna S. Livingston
Secretary

State of New York
DEPARTMENT OF STATE ENGINEER AND SURVEYOR
WATER SUPPLY SYSTEM FOR GOWANDA
STATE HOMEOPATHIC HOSPITAL
CONTRACT No. 3
For Constructing the Filtration Plant and Appurtenances
Chapter 181, Laws of 1925; Chapter 189, Laws of 1926
LOCATION MAP

Examined and approved
July 3rd, 1926
John C. ...
District Engineer

Examined and approved
July 6, 1926
Frank C. ...
Deputy Staff Engineer



LIST OF SYMBOLS FOR VALVE STANDS
 A = Flow water to distribution chamber
 B = Flow water to filter bed
 C = Effluent Control
 D = Drain
 E = Refill for filters

NOTES ON PRESSURE AND SAND LINES
 Pressure line shown
 Sand line shown
 Pitch pressure line 1 in 30 toward pump and other lines to drain.
 All piping in these lines to be extra strong welded-iron pipe
 All fittings to be long sweep fittings.
 Pressure and sand lines in filters to be set close to the roof as practicable and supported therefrom by expansion hangers placed not more than 10 feet on centers. Changes in direction to be made with elbows of 45° or less.

PLASTERED WALLS
 All brick and concrete walls of the office and laboratory to be turned and plastered.
 All tile walls to be plastered.
 All plastered walls to have 6 inch joist bases.

WALLS & PARTITIONS
 BRICK - 6"
 TILE - Hollow Tile - 6"

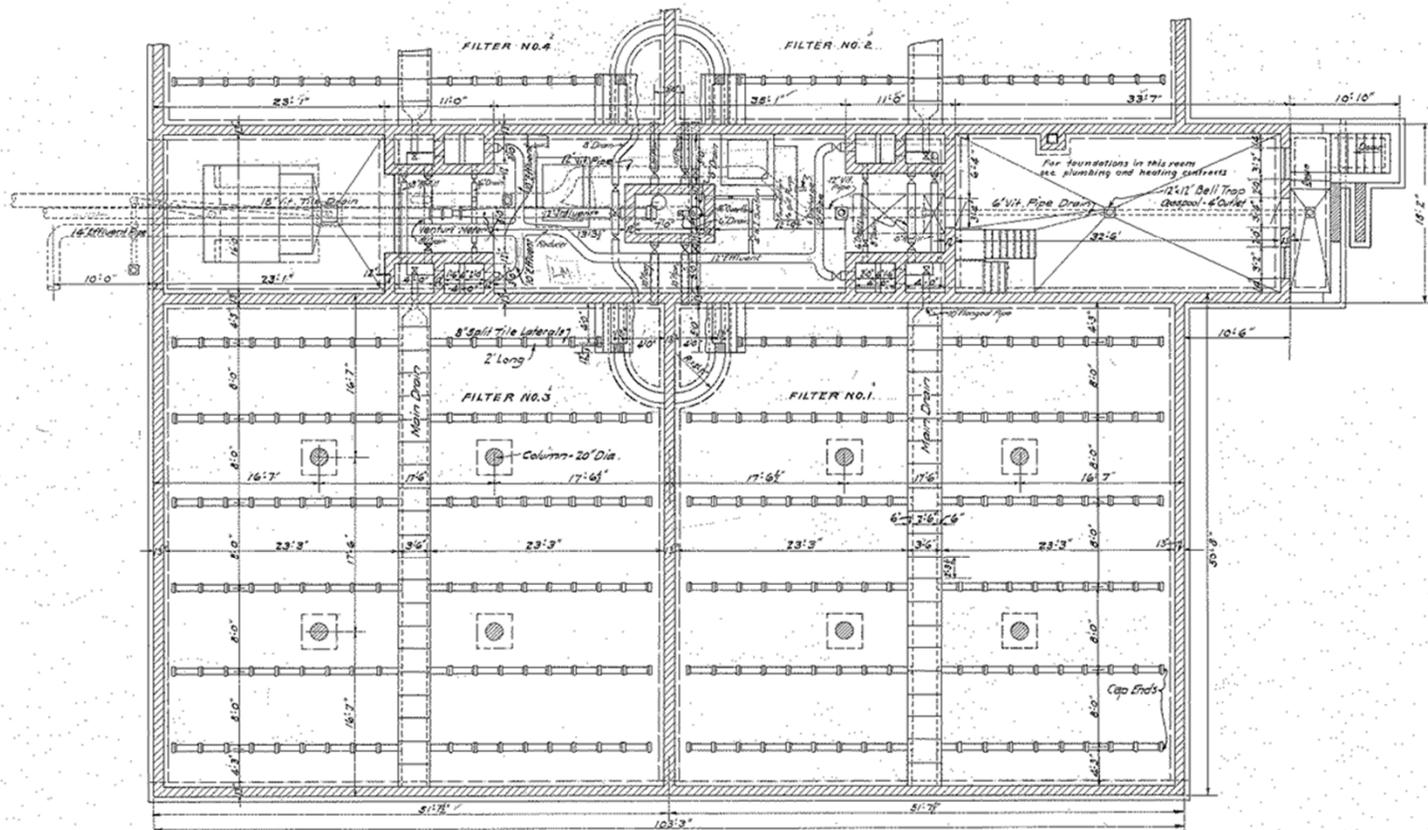
INTERIOR LINTELS
 Two 2 1/2" x 3" x 8'-0" long shall be provided over each doorway in a tile partition.

SECTIONAL PLAN AT EL. 1141.2
 Scale: 3/16" = 1'-0"

State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
 WATER SUPPLY SYSTEM FOR GOWANDA
 STATE HOMEOPATHIC HOSPITAL
 CONTRACT No. 3
 For Constructing the Filtration Plant and Appurtenances
 Chapter 181, Laws of 1925; Chapter 189, Laws of 1926

FILTER PLAN, OPERATING FLOOR
 02765
 Examined and approved: *[Signature]* July 25, 1926
 Division Engineer
 Examined and approved: *[Signature]* July 25, 1926
 Deputy State Engineer

Made by: H. Brainerd
 Checked by: M. Ryan
 Traced by: Brainerd and Ryan
 Tracing Checked by: Henry Ryan



SECTIONAL PLAN AT EL. 1134.5

Scale: 1/16" = 1'-0"
Sand and Gravel not shown

State of New York

DEPARTMENT OF STATE ENGINEER AND SURVEYOR

WATER SUPPLY SYSTEM FOR GOWANDA
STATE HOMEOPATHIC HOSPITAL

CONTRACT No. 3

For Constructing the Filtration Plant and Appurtenances
Chapter 181, Laws of 1926; Chapter 102, Laws of 1928

FILTER PLAN, LOWER FLOOR

Examined and approved

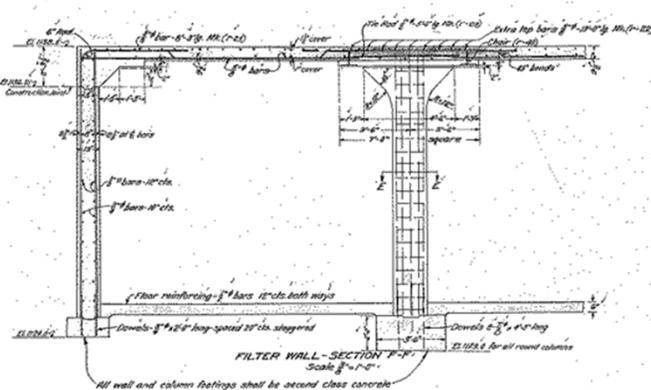
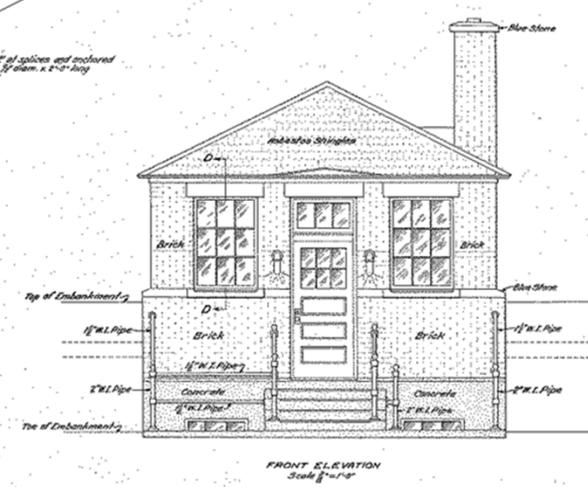
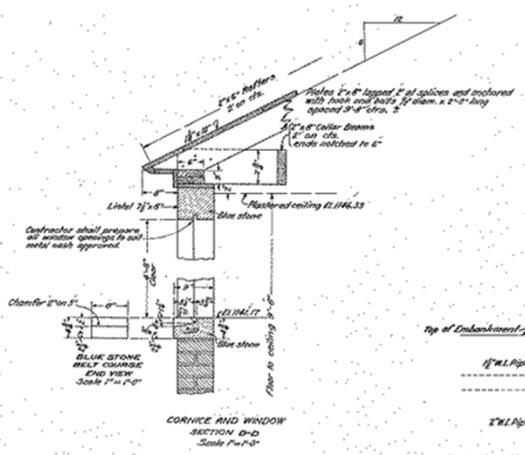
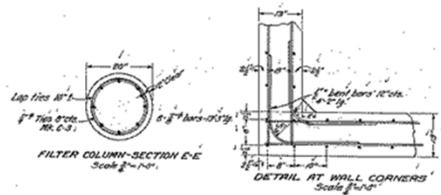
July 25, 1926
J. H. [Signature]
District Engineer

Examined and approved

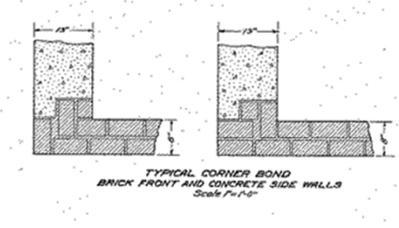
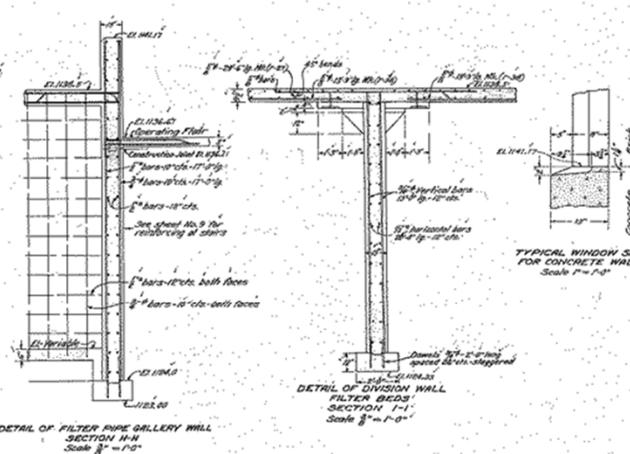
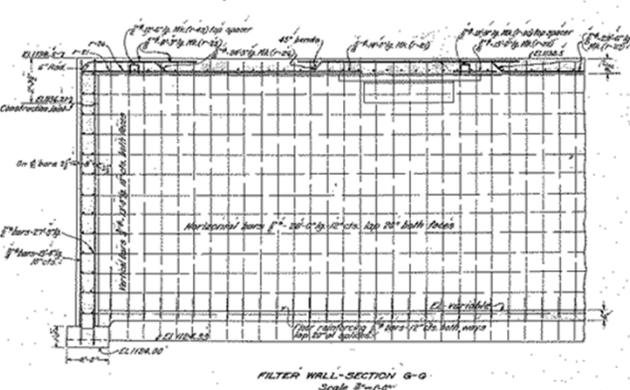
July 6, 1926
[Signature]
District Engineer

02766

Made by H. Brainerd
Checked by H. Ryan
Traced by Brainerd and Duffy
Drawing Checked by Henry [Signature]



The notes on sheet No. 16 regarding reinforcement shall apply to the drawings on this sheet.

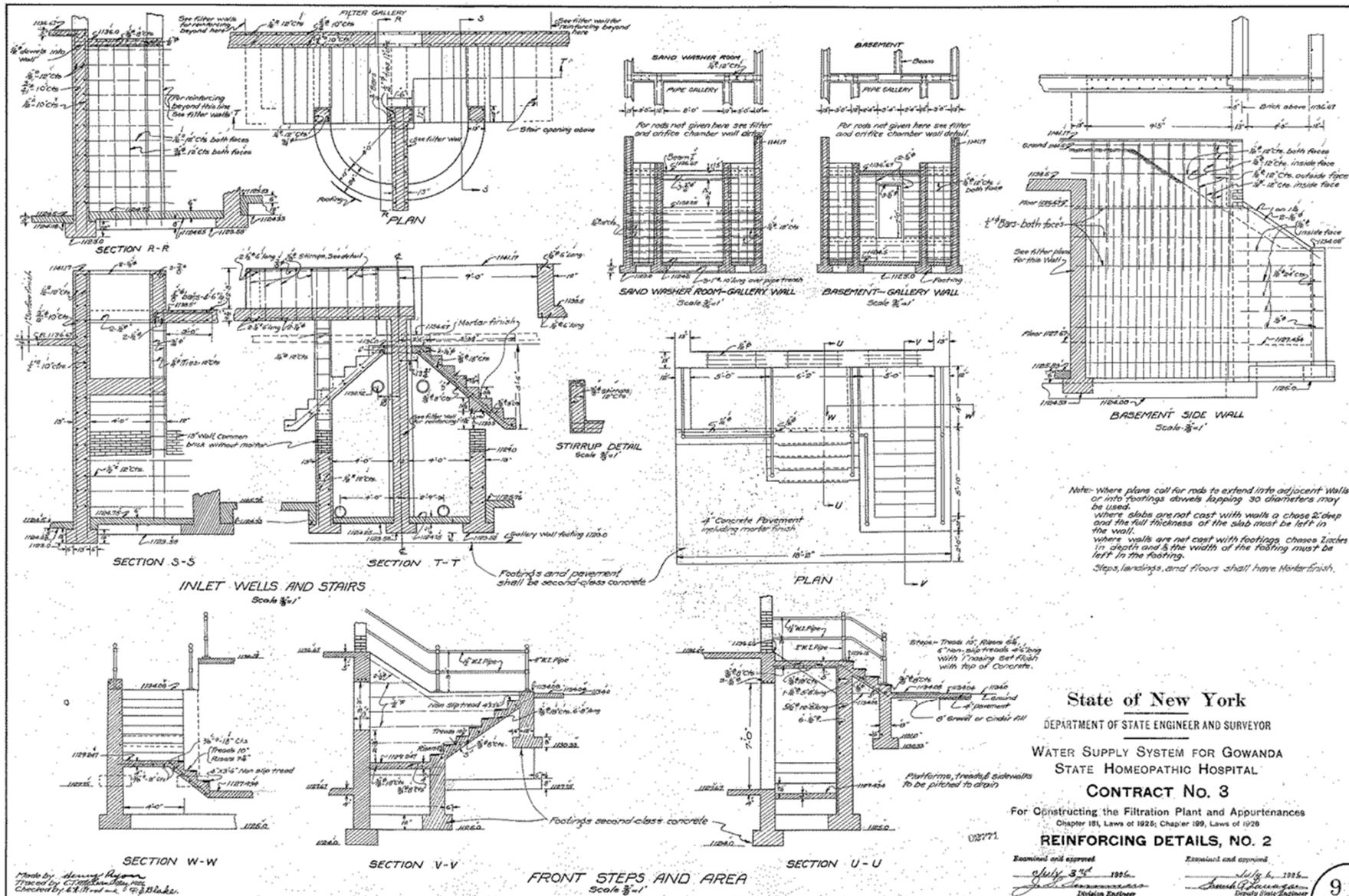


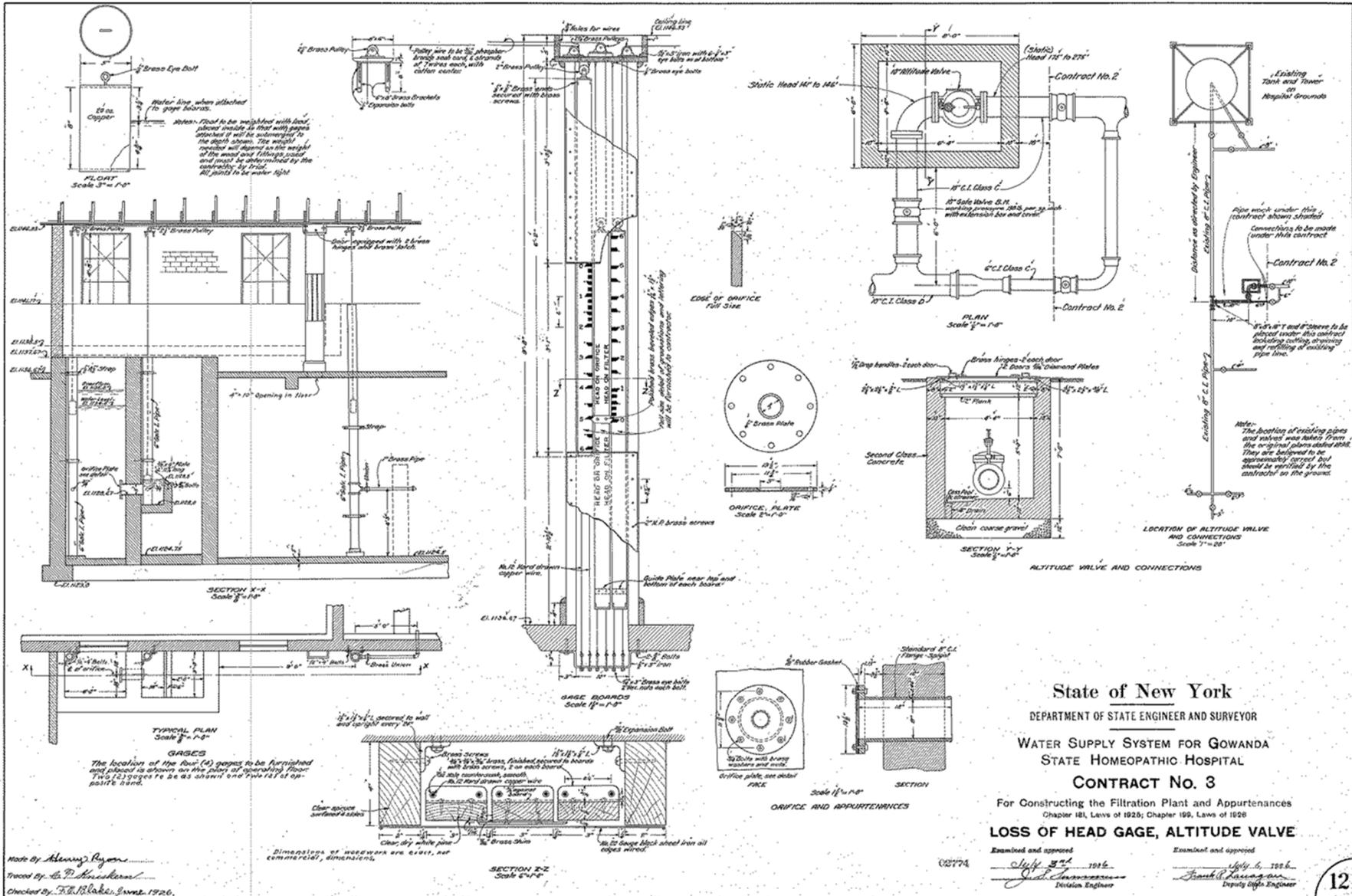
State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
 WATER SUPPLY SYSTEM FOR GOWANDA
 STATE HOMEOPATHIC HOSPITAL
 CONTRACT No. 3
 For Constructing the Filtration Plant and Appurtenances
 Chapter 181, Laws of 1925; Chapter 189, Laws of 1926
**FRONT ELEVATION AND DETAILS
 AND FILTER REINFORCING**

MADE BY: M. J. Donald, Duffly, Blanke
 TRACED BY: G. P. Woodman
 CHECKED BY: R. H. Wood and R. B. Baker

Examined and approved
 July 13, 1926
 Division Engineer

Examined and approved
 July 6, 1926
 Deputy State Engineer



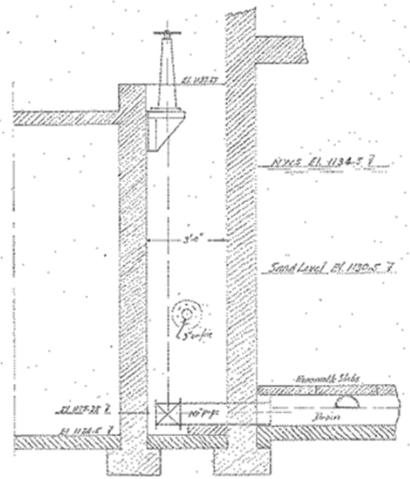
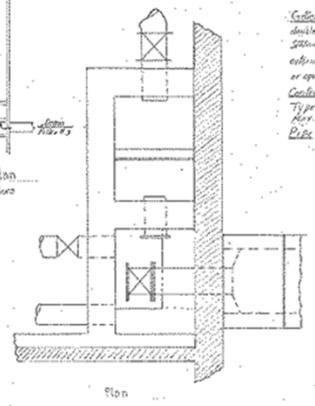
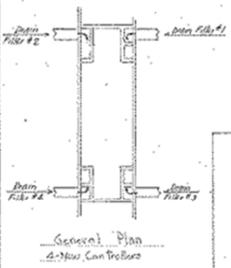


Made by Henry Ryan
 Traced by E. P. Anderson
 Checked by F. B. Blake, June 1926.

Dimensions of hardware are given, not commercial, dimensions.

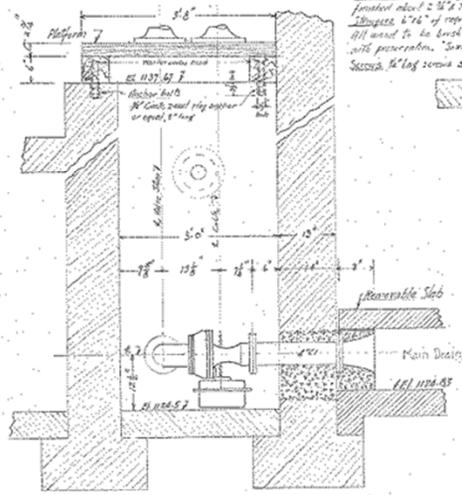
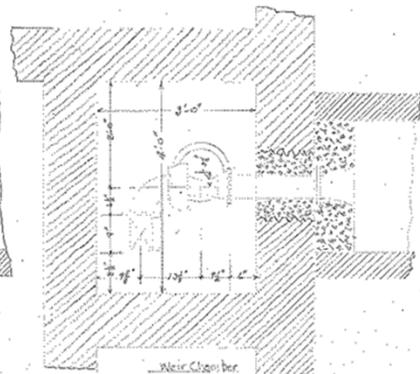
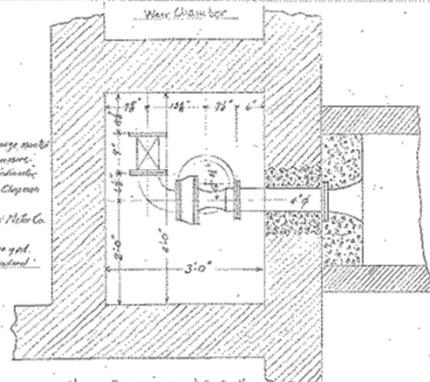
State of New York
 DEPARTMENT OF STATE ENGINEER AND SURVEYOR
 WATER SUPPLY SYSTEM FOR GOWANDA
 STATE HOMEOPATHIC HOSPITAL
 CONTRACT NO. 3
 For Constructing the Filtration Plant and Appurtenances
 Chapter 181, Laws of 1925; Chapter 199, Laws of 1926
LOSS OF HEAD GAGE, ALTITUDE VALVE
 Examined and approved
 July 6, 1926
 Division Engineer

4938

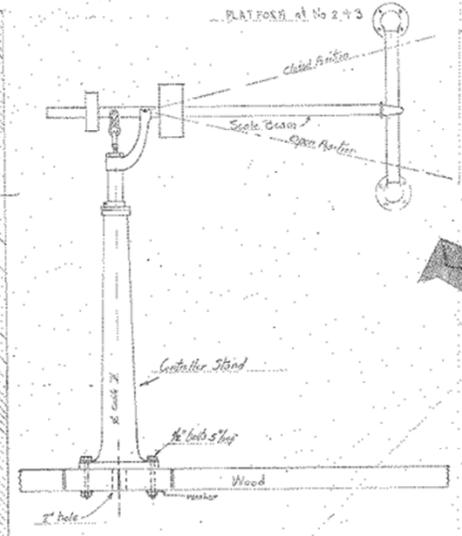
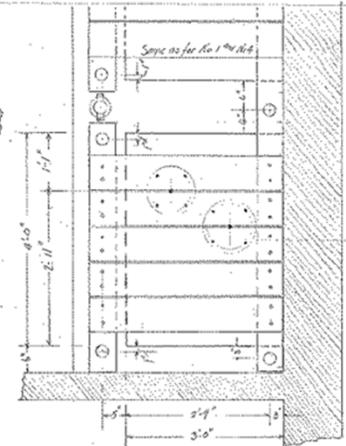


Gate Valve - 12" iron body, bronze seats double disc, 150# working pressure. Secondary spindle about 1/2" diameter, extended stem and coupling. Clapnet or equal.

Controller - Simplex Valve - Hebe Co. Type "S" or equal. For 220000 gpd. flow 120000 gpd. Rate - 150# compression standard.

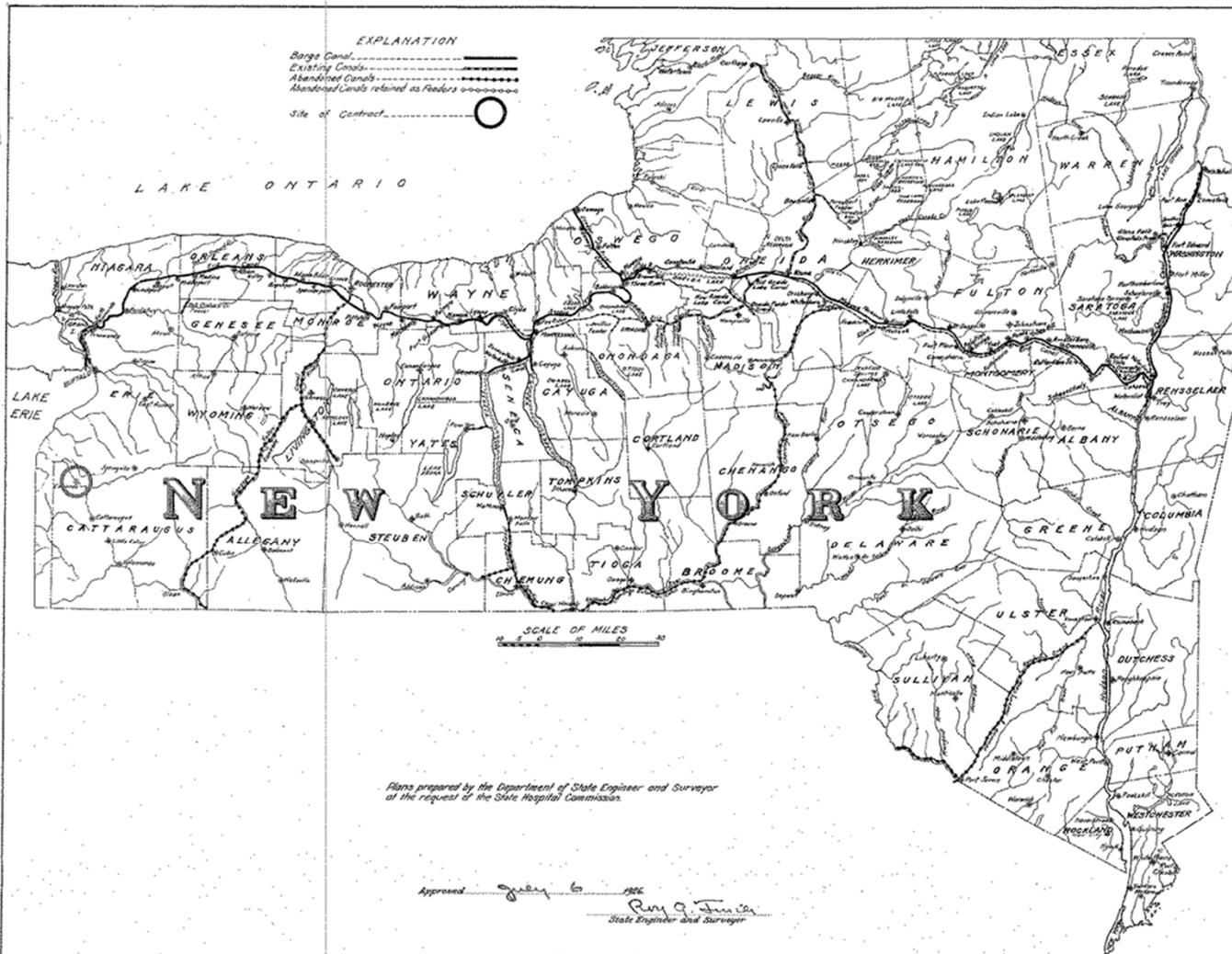


Platform - 2" x 12" x 12" 3/4" dia. finished about 2 1/2" x 1/2" 1/2" diameter. 1/4" of support height. All used to be brass finished with preservative. Spout or equal. Secura 1/2" long screws 5" long.



STATE OF NEW YORK
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
GOWANDA STATE HOSPITAL
WATER SUPPLY
RATE OF FLOW CONTROLLERS FOR SLOW SAND FILTERS

05604



Plans prepared by the Department of State Engineer and Surveyor
at the request of the State Hospital Commission.

Approved July 6 1926
Ray G. Justice
State Engineer and Surveyor

Approved by resolution of the State Hospital Commission.
July 7th 1926
Wm. H. ...
Secretary

State of New York
DEPARTMENT OF STATE ENGINEER AND SURVEYOR
WATER SUPPLY SYSTEM FOR GOWANDA
STATE HOMEOPATHIC HOSPITAL
CONTRACT No. 4
For Installing the Plumbing System at the Filtration Plant
Chapter 181, Laws of 1925; Chapter 199, Laws of 1926
LOCATION MAP

02761

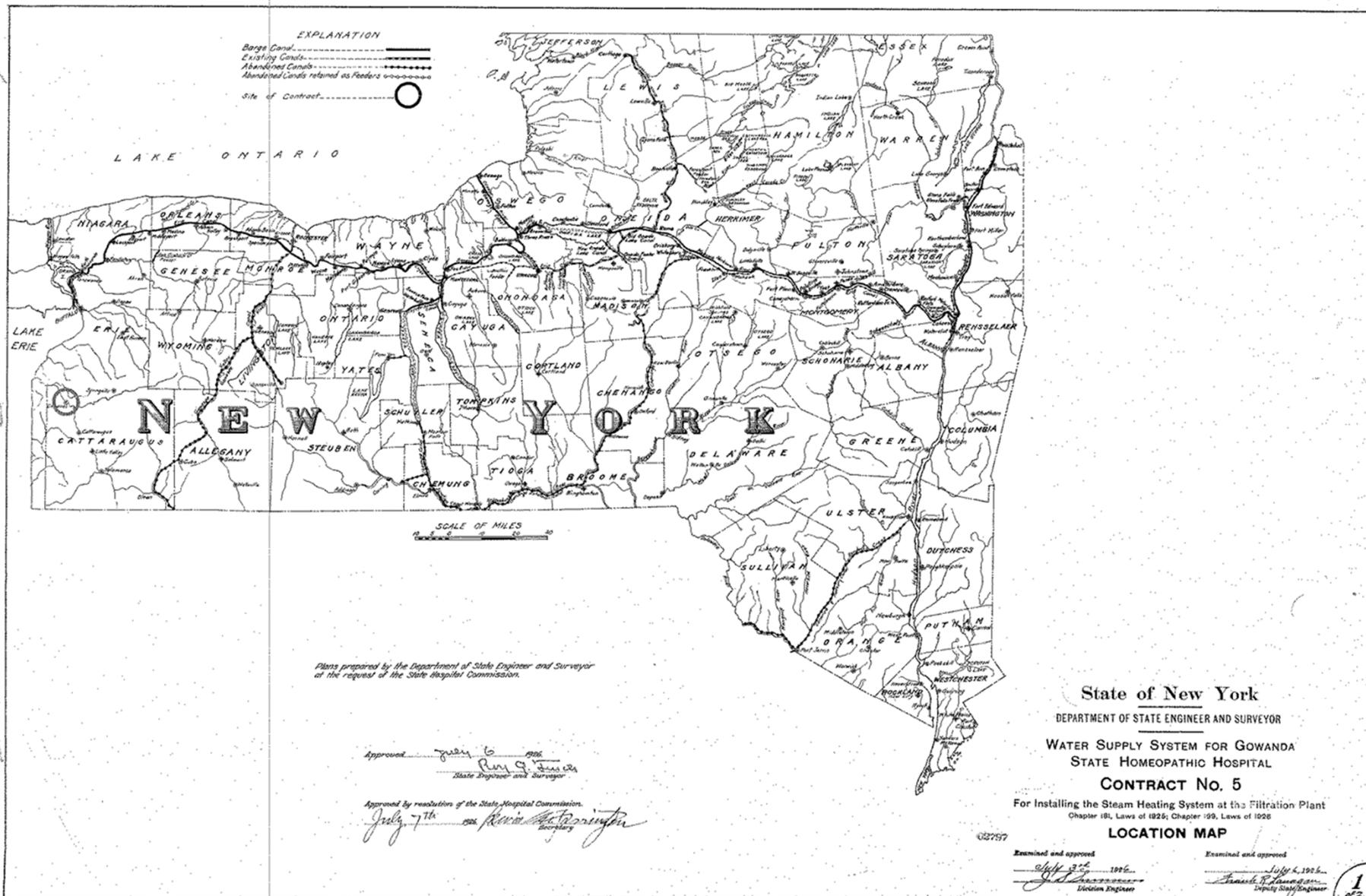
Examined and approved
July 25 1926
John ...
District Engineer

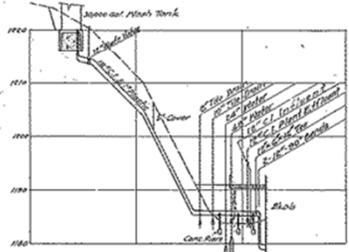
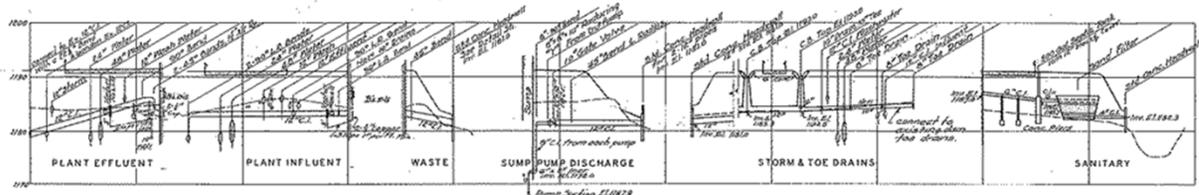
Examined and approved
July 25 1926
Charles ...
District Engineer

1
OF 2

No Contract No.

#4944





12" C.I. WASH WATER & PLASTIC TELL TALE

PROFILES

SCALE: HOR. 1" = 50' VERT. 1" = 10'



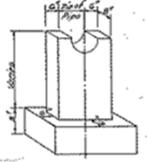
SECTION OF ROADWAY

SCALE 1" = 10'-0"



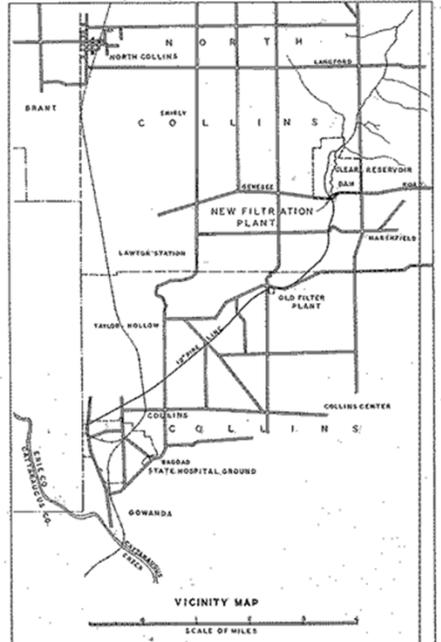
SECTION OF ROAD & PARKING AREA PAVEMENT

SCALE 1" = 1'-0"



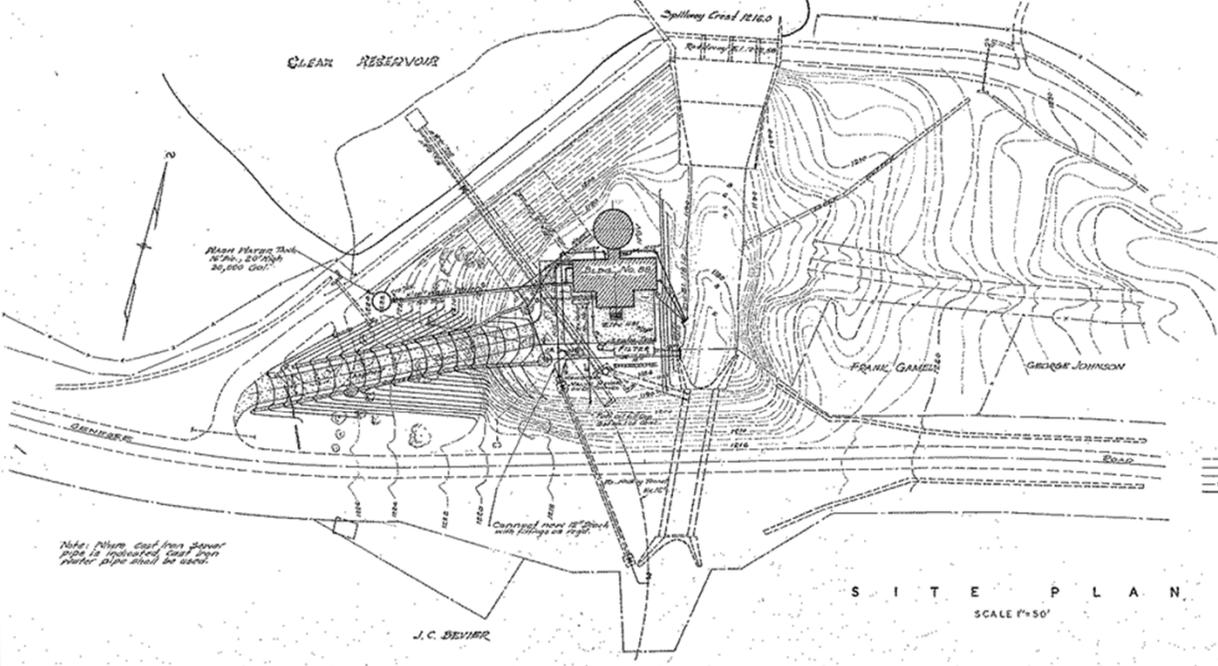
CONCRETE PIER DETAIL

SCALE 1/2" = 1'-0"



VICINITY MAP

SCALE OF MILES



SITE PLAN

SCALE 1" = 50'

- Existing Contours
- New Contours
- Sewer Lines, New
- Storm Sewer, New
- New C.I. Pipe

Note: Filter cast from sewer pipe is indicated cast from water pipe should be used.

J. C. BEYMER

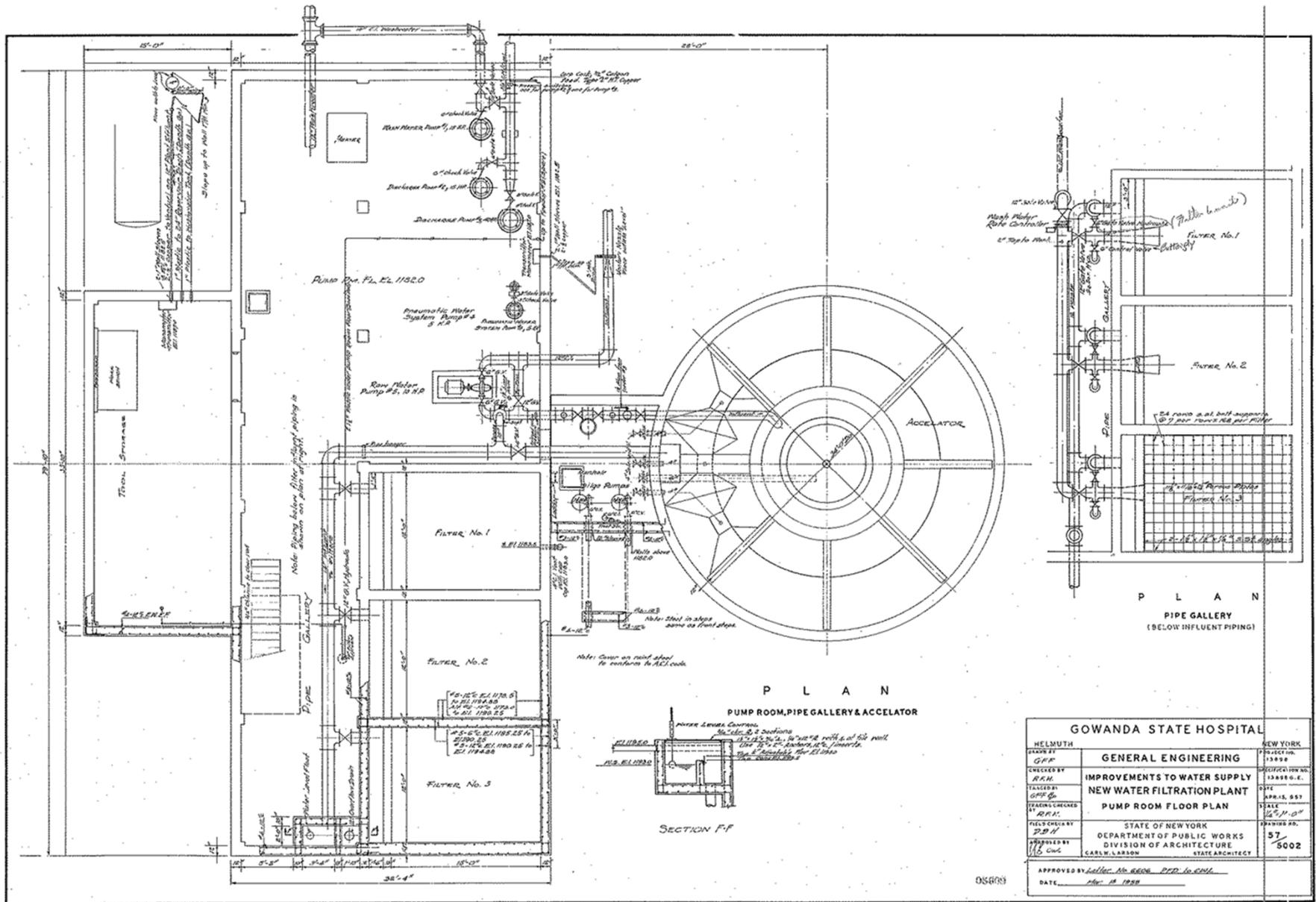
COLLINS CORN FACILITY

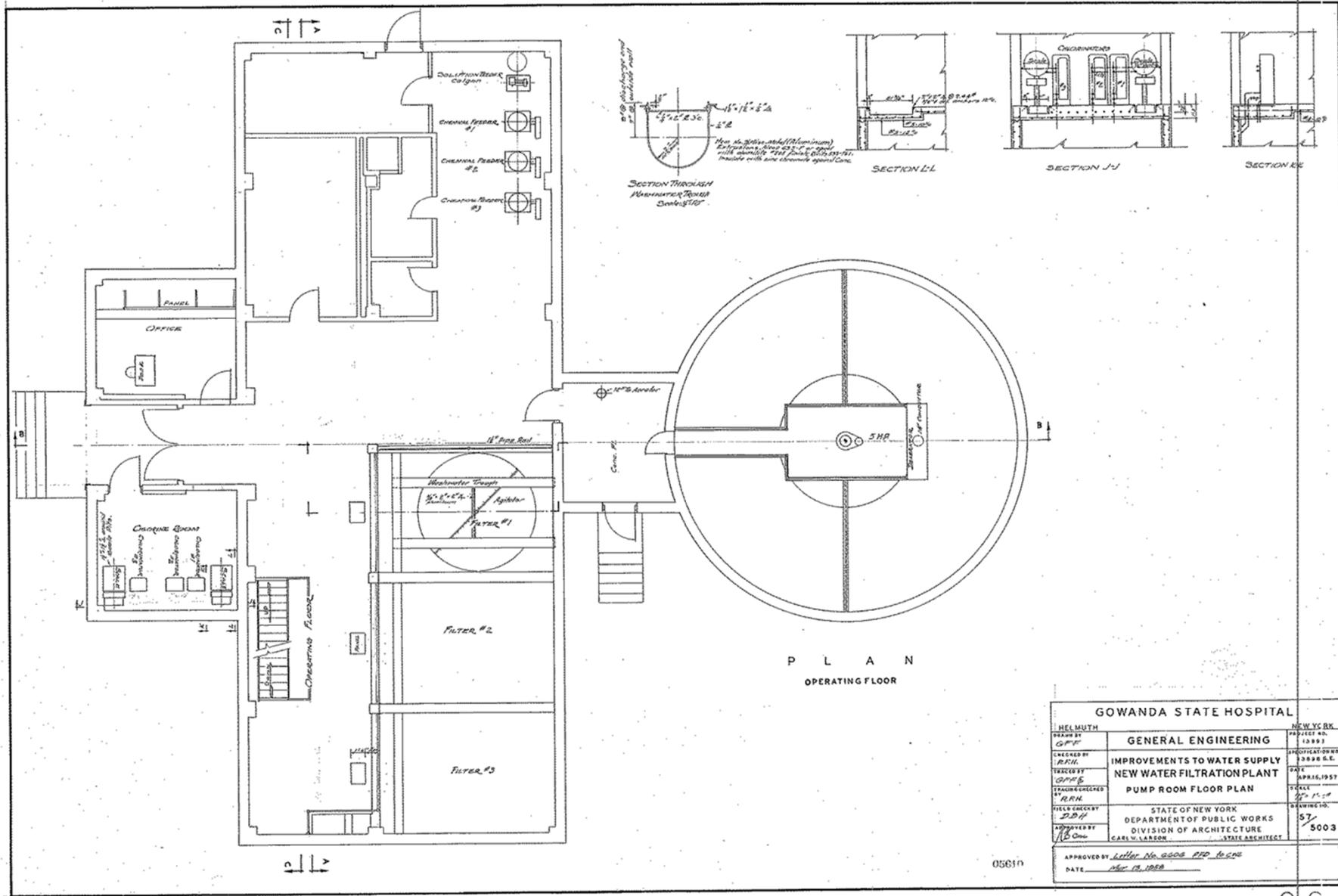
See Detail No. 65/18,001 accompanying these drawings. (SHEET 31 OF 31)

GOWANDA STATE HOSPITAL		NEW YORK
DESIGNED BY G.F.F.	GENERAL ENGINEERING	PROJECT NO. 13898
DRAWN BY R.H.H.	IMPROVEMENTS TO WATER SUPPLY	DESIGNED ON NO. 13894 G.E.
CHECKED BY G.F.F.	NEW WATER FILTRATION PLANT	DATE MAY 15, 1957
TRACING CHECKED BY R.H.H.	SITE MAPS & PROFILES	SCALE As Shown
FIELD CHECKED BY D.B.H.	STATE OF NEW YORK	REVISED BY 57
APPROVED BY H.D. GARDNER	DEPARTMENT OF PUBLIC WORKS	PROJECT NO. 5001
	DIVISION OF ARCHITECTURE	
	GARDNER & LARSON STATE ARCHITECTS	
APPROVED Letter No. 2008 PFD to CIVIL		
DATE Mar 13, 1958		

05608

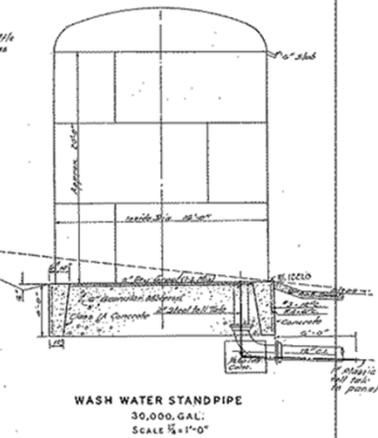
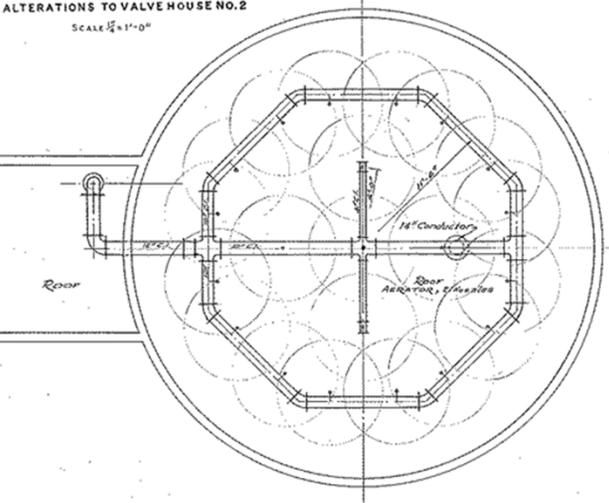
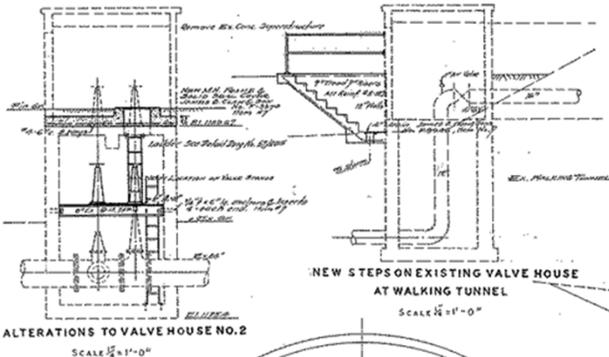
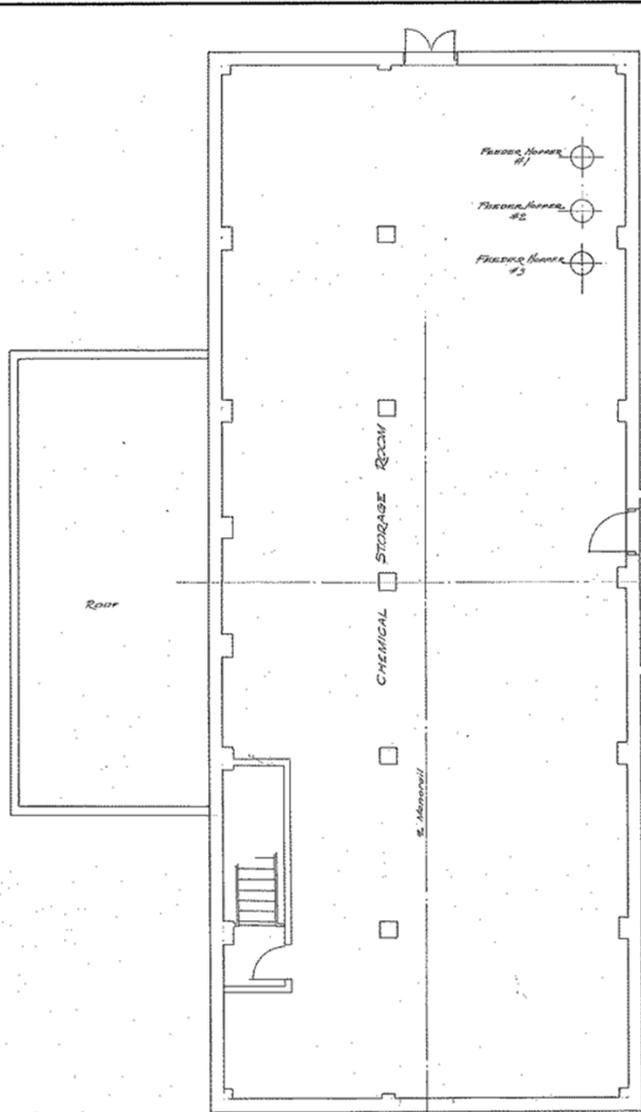
SCANNED 2004



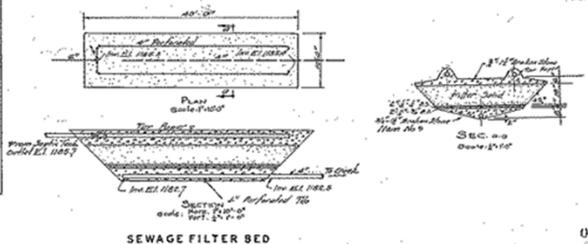


P L A N
OPERATING FLOOR

GOWANDA STATE HOSPITAL		NEW YORK
DESIGNED BY G.P.F.	GENERAL ENGINEERING	PROJECT NO. 14883
CHECKED BY R.R.H.	IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT	SPECIFICATION NO. 13888 G.E.
TEXT CHECKED BY G.P.F.	PUMP ROOM FLOOR PLAN	DATE APR 16, 1957
TRACING CHECKED BY R.R.H.		SHEET NO. 57
FIELD CHECKED BY D.P.H.	STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	PROJECT NO. 5003
APPROVED BY J.B. Goe	CARL W. LARSON STATE ARCHITECT	
APPROVED BY LITTLE, FAIRBANKS, MORGAN & ASSOCIATES DATE MAY 14, 1958		

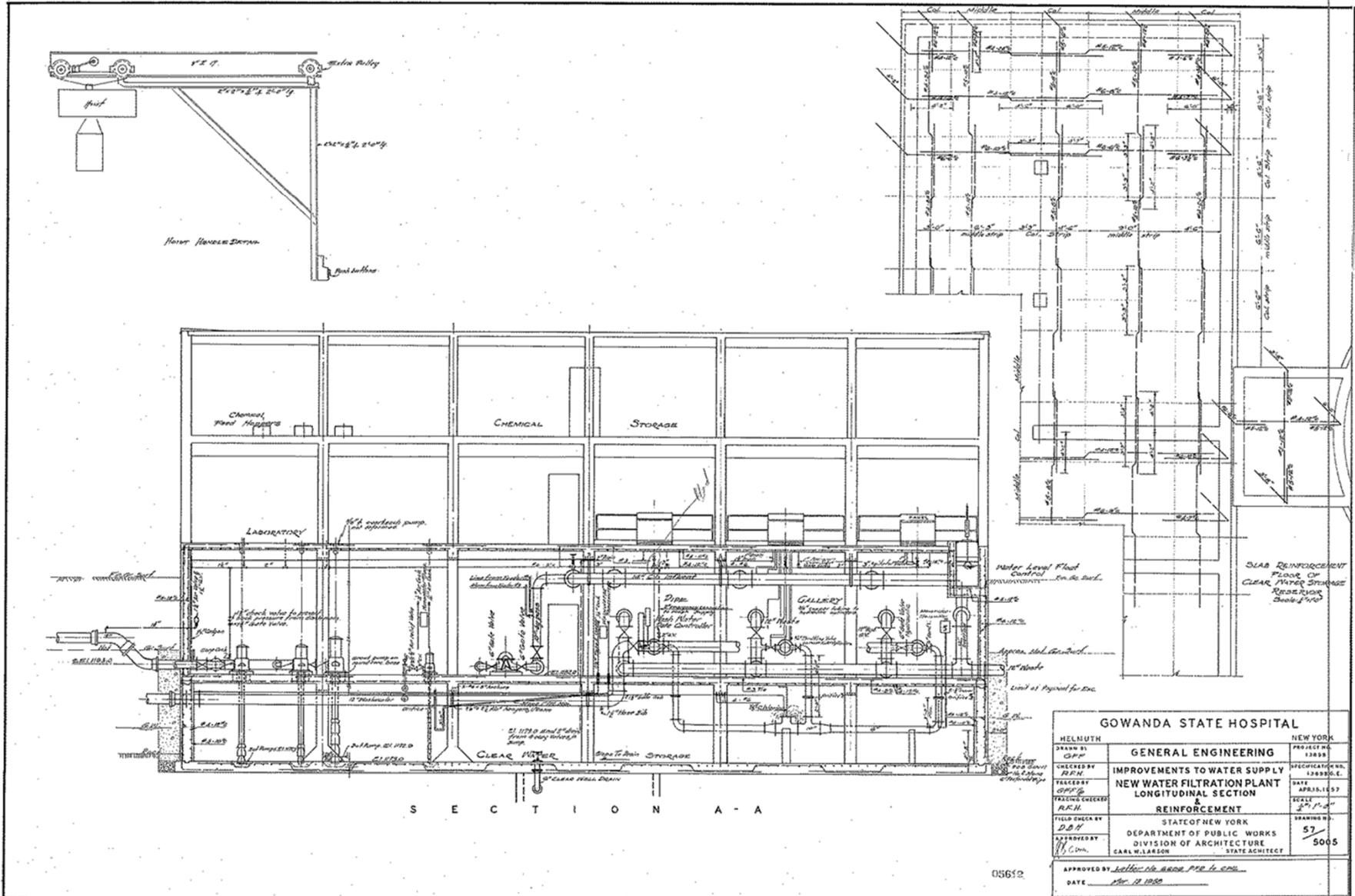


P L A N
CHEMICAL STORAGE & AERATOR



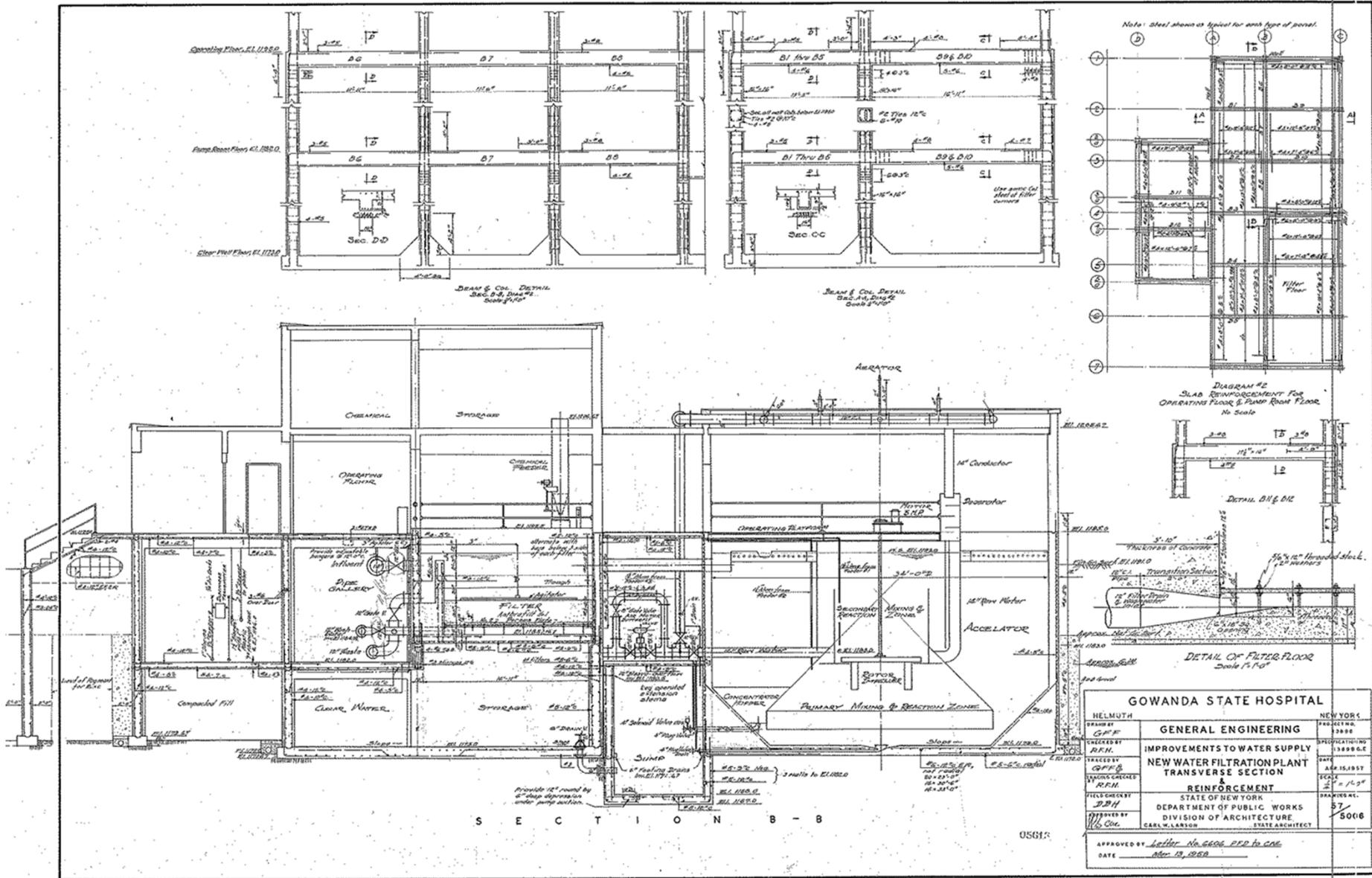
GOWANDA STATE HOSPITAL		
HELMUTH PARSONS AND MERRILL	NEW YORK	PROJECT NO. 13558
DESIGNED BY GENERAL ENGINEERING		SPECIFICATION NO. 38880 E.
CHECKED BY R.F.H.	IMPROVEMENTS TO WATER SUPPLY	DATE APR 15, 1927
TRACED BY C.P.G.	NEW WATER FILTRATION PLANT	SCALE 1/4" = 1'-0"
TRACED CHECKED BY R.F.H.	CHEMICAL STORAGE ROOM PLAN	DRAWING NO. 57
FIELD CHECKED BY D.B.M.	STATE OF NEW YORK	5004
APPROVED BY V.B. Clark	DEPARTMENT OF PUBLIC WORKS	
	DIVISION OF ARCHITECTURE	
	CARL W. HARRISON	STATE ARCHITECT
APPROVED BY Letter No. 5004 P.W. Secy		
DATE Nov. 18, 1926		

05611

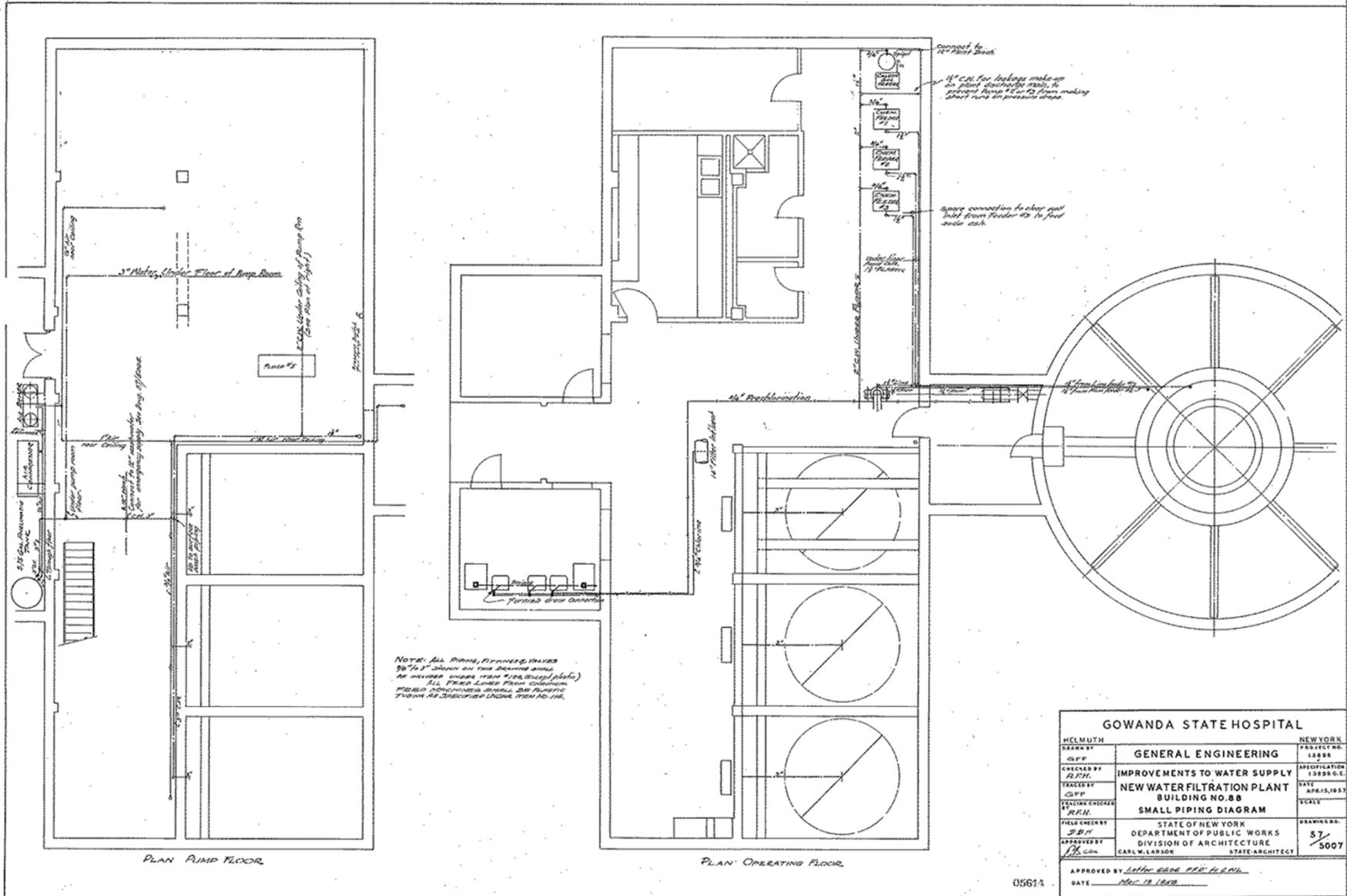


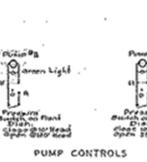
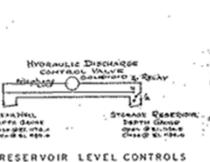
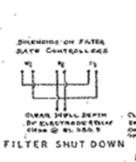
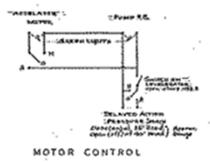
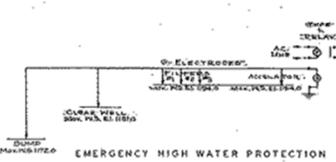
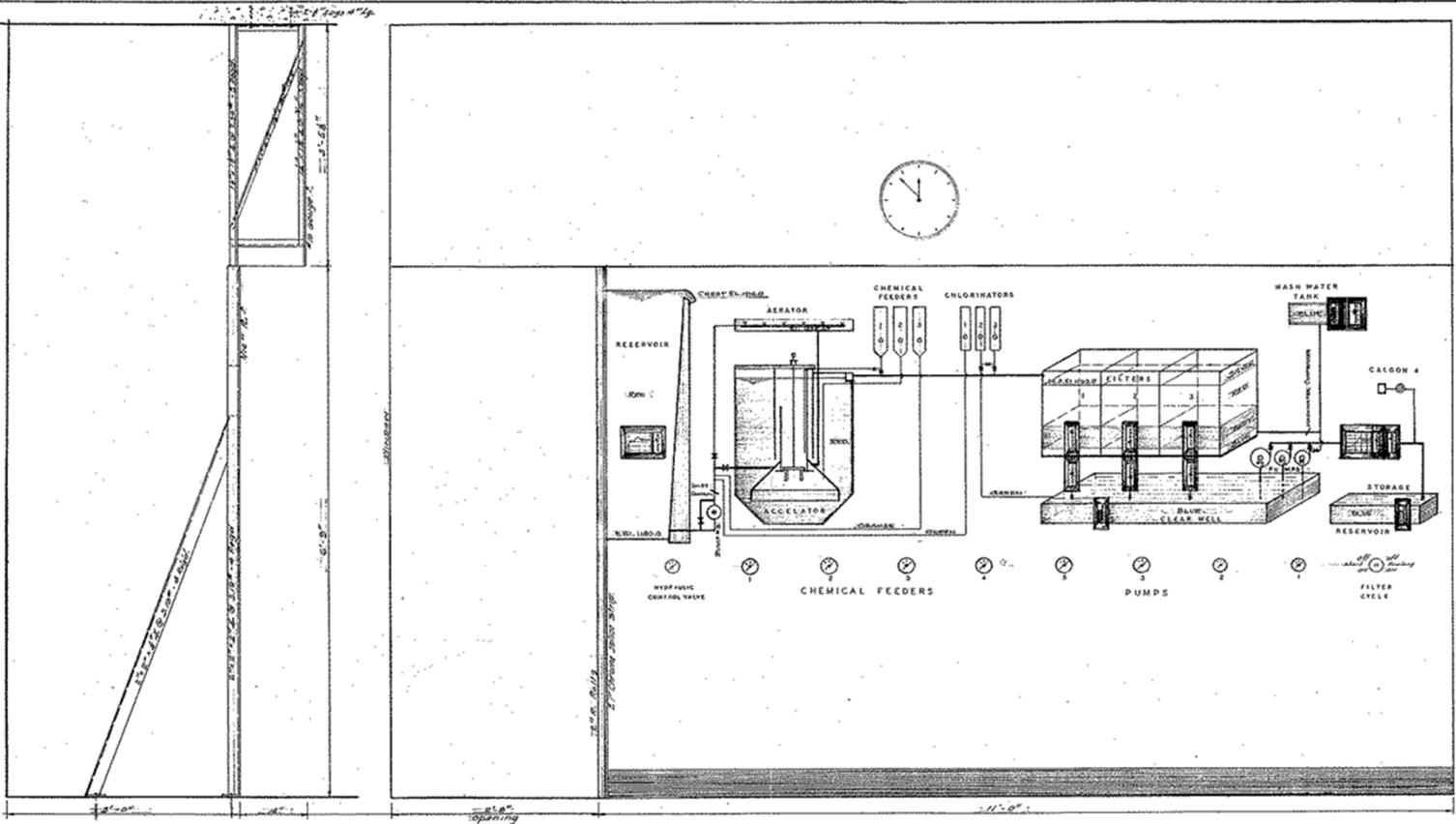
GOWANDA STATE HOSPITAL		
HELMUTH	NEW YORK	
DRAWN BY G.F.P.	GENERAL ENGINEERING	PROJECT NO. 12830-C
CHECKED BY R.F.H.	IMPROVEMENTS TO WATER SUPPLY	DATE APRIL 1937
TRACED BY G.F.P.	NEW WATER FILTRATION PLANT	SCALE 1/4" = 1'-0"
TRACING CHECKED R.F.H.	LONGITUDINAL SECTION & REINFORCEMENT	DRAWING NO. 57
FIELD CHECK BY D.B.H.	STATE OF NEW YORK	5065
APPROVED BY C.M.A.	DEPARTMENT OF PUBLIC WORKS	
	DIVISION OF ARCHITECTURE	
	CARL WILKINSON	STATE ARCHITECT
APPROVED BY <i>Letter No. 8088 P.E. H. C.M.</i>		
DATE <i>Nov. 11 1938</i>		

05652



GOWANDA STATE HOSPITAL		NEW YORK
HELMUTH DRAWN BY C.P.F.	GENERAL ENGINEERING	PROJECT NO. 1288
CHECKED BY R.F.M.	IMPROVEMENTS TO WATER SUPPLY	SPECIFICATION NO. 13499 G.E.
TRACED BY C.P.F.	NEW WATER FILTRATION PLANT	DATE 1.15.1957
REVISION CHECKED R.F.M.	TRANSVERSE SECTION	SCALE 1" = 1'-0"
FIELD CHECKED BY D.P.H.	REINFORCEMENT	DRAWING NO. 57
APPROVED BY W.C.C.	STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	DATE 5/5006
APPROVED BY Letter No. 6606 PFD to CDE		
DATE Mar 19, 1958		

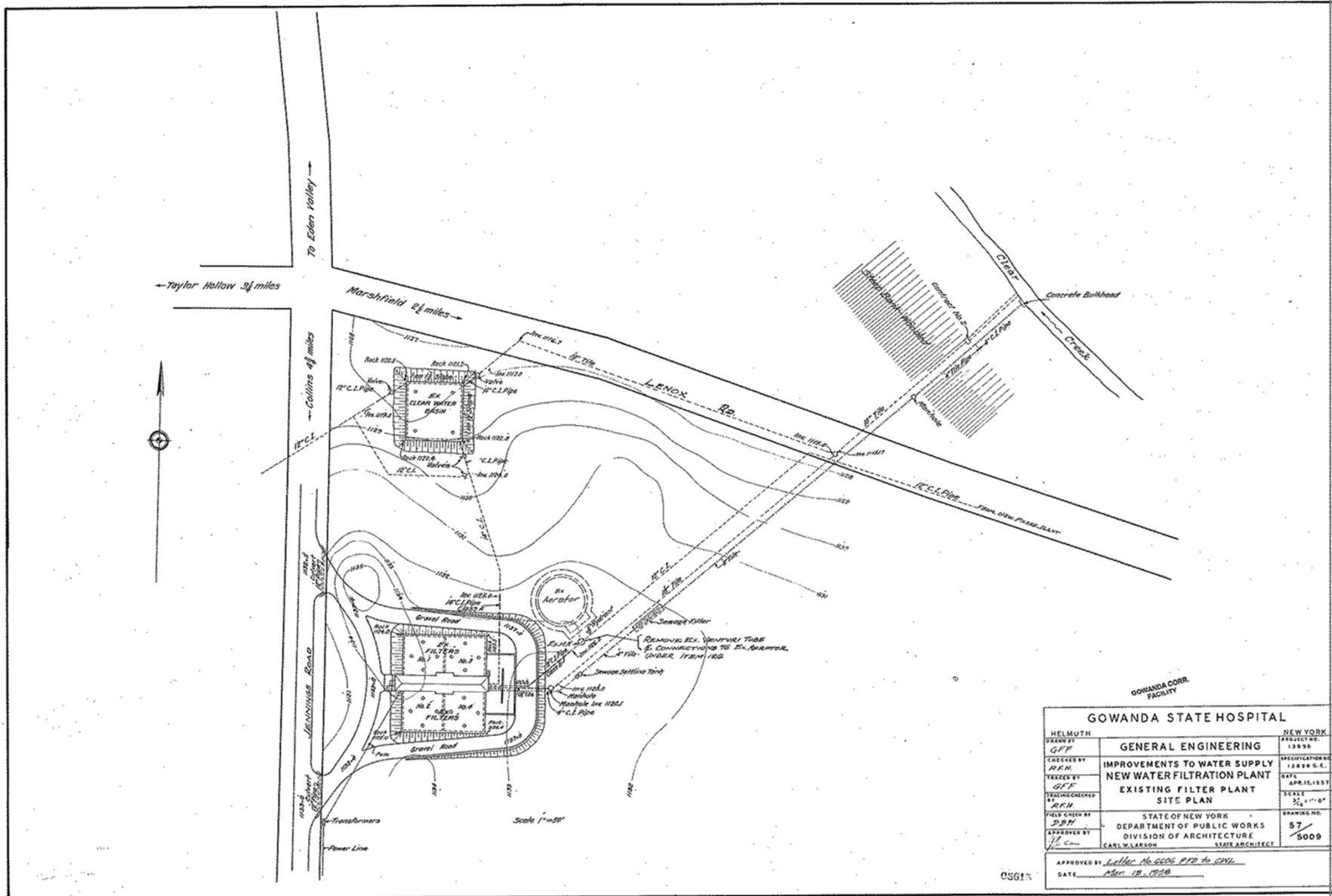




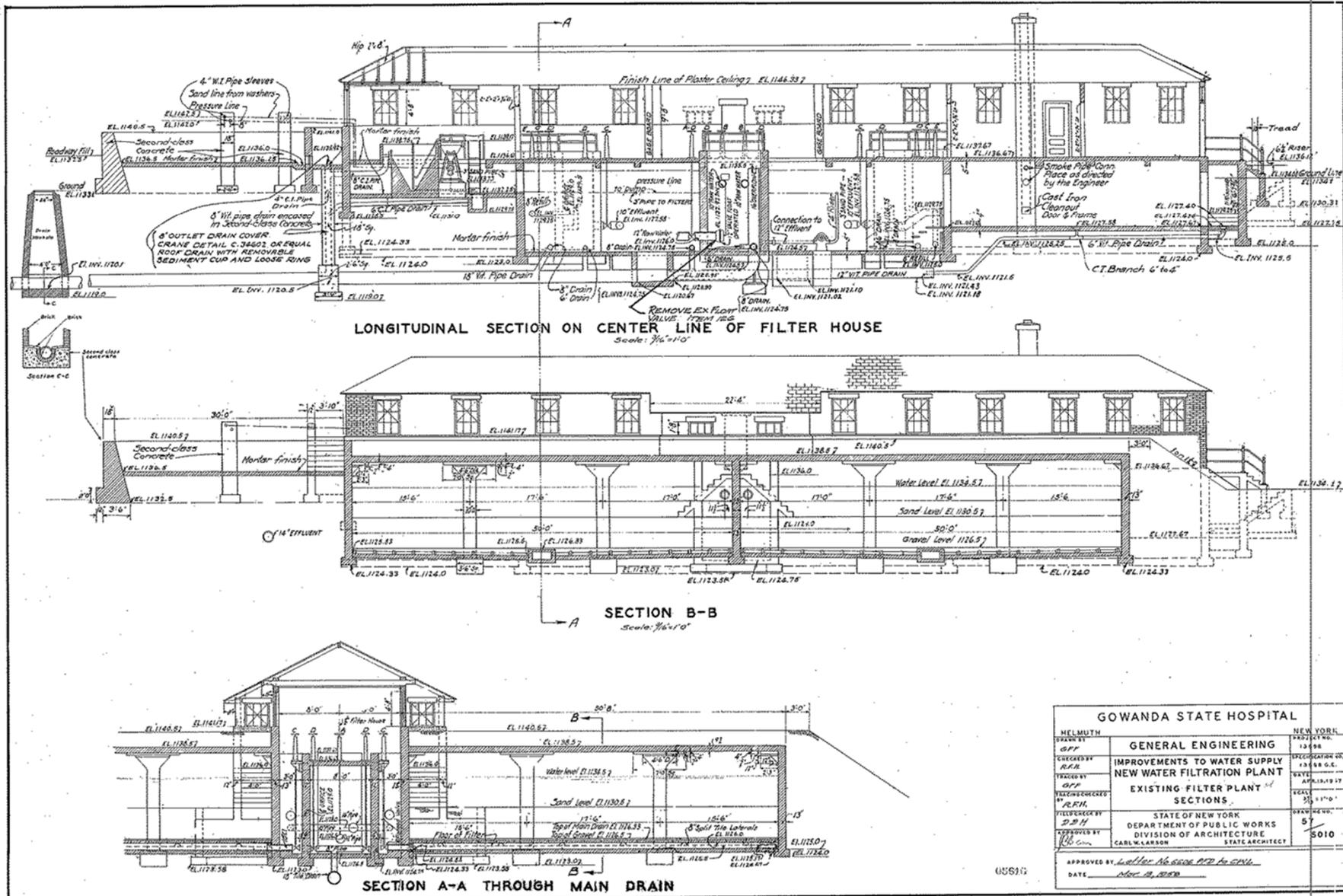
C O N T R O L D I A G R A M S

GOWANDA STATE HOSPITAL		
HELMUTH	NEW YORK	PROJECT NO. 13498
GENERAL ENGINEERING		ARCHITECTS
IMPROVEMENTS TO WATER SUPPLY		1938 S.E.C.
NEW WATER FILTRATION PLANT		DATE APRIL 16, 1937
GRAPHIC - PANEL		SCALE 1/8" = 1'-0"
CONTROL DIAGRAMS		REVISION NO. 57
STATE OF NEW YORK		
DEPARTMENT OF PUBLIC WORKS		
DIVISION OF ARCHITECTURE		
APPROVED BY [Signature]	CARL W. LARSON	LEADS ARCHITECT
APPROVED BY Letter No. 6606 P.D. to C.W.L.		
DATE May 13, 1939		

05621



GOWANDA STATE HOSPITAL		
DESIGNED BY G.F.F.	GENERAL ENGINEERING	PROJECT NO. 13898
CHECKED BY R.F.N.	IMPROVEMENTS TO WATER SUPPLY	SPECIFICATION NO. 13898 S.C.
DRAWN BY G.F.F.	NEW WATER FILTRATION PLANT	DATE APR. 15, 1937
DESIGNED CHECKED BY R.F.N.	EXISTING FILTER PLANT	SCALE 3/4" = 1'-0"
FIELD CHECK BY P.M.	SITE PLAN	DRAWING NO. 57
APPROVED BY J.D. Cline	STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	SCALE 5000
APPROVED BY <i>Letter No. 6506 PFD to CIVIL</i>		
DATE <i>MAR. 18, 1938</i>		



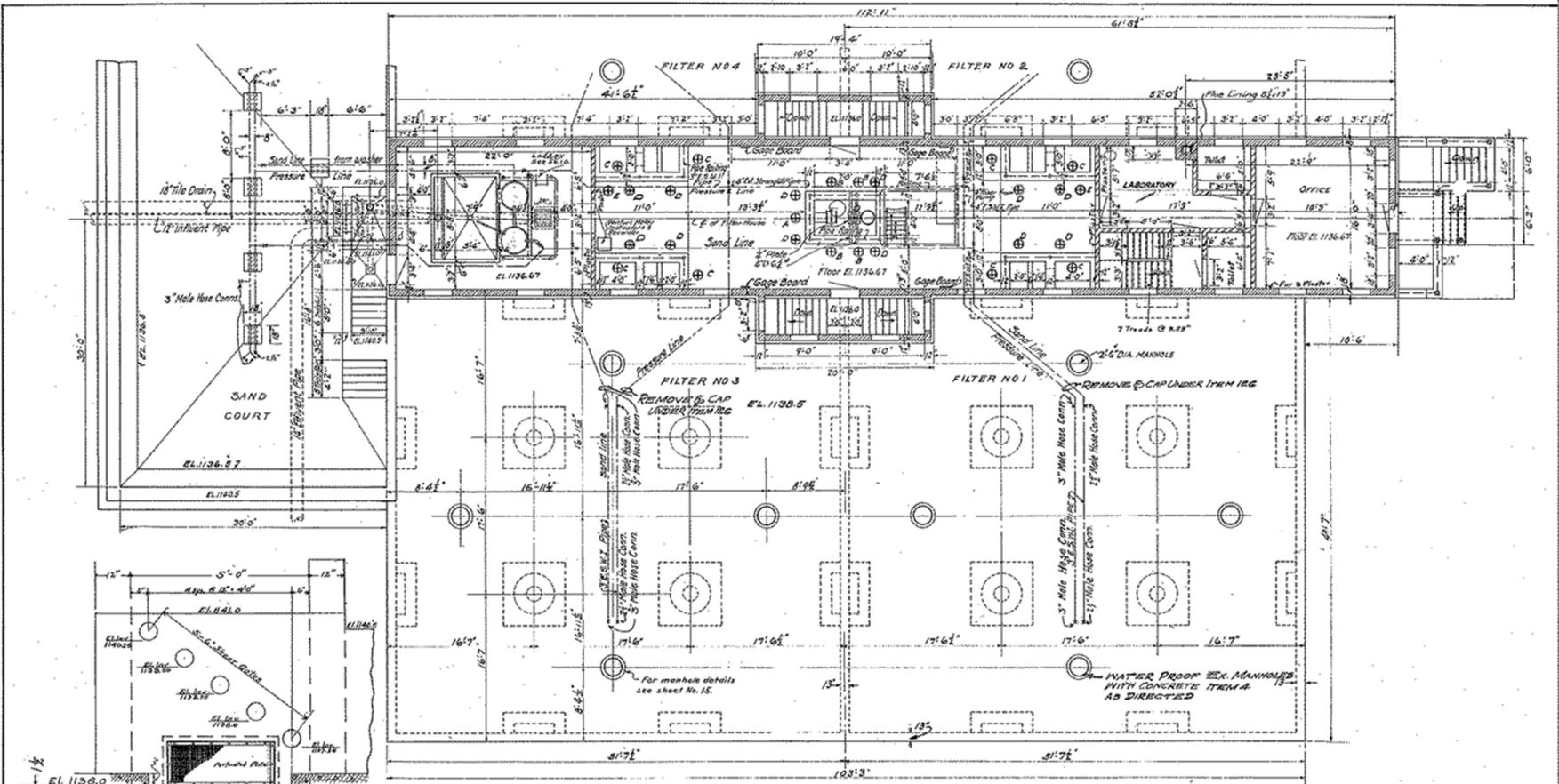
LONGITUDINAL SECTION ON CENTER LINE OF FILTER HOUSE

SECTION B-B

SECTION A-A THROUGH MAIN DRAIN

GOWANDA STATE HOSPITAL			
DESIGNED BY G.F.F.	GENERAL ENGINEERING	NEW YORK PROJECT NO. 12488	
CHECKED BY R.A.H.	IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT	SPECIFICATION NO. 13688 G.C.	
TRACED BY G.F.F.	EXISTING FILTER PLANT	DATE APRIL 19 1917	
REVISIONS CHECKED BY R.R.H.	SECTIONS	SCALE 3/16" = 1'-0"	
FIELD CHECKED BY D.P.H.	STATE OF NEW YORK	DEPARTMENT OF PUBLIC WORKS	DRAWING NO. 57
APPROVED BY 100 G.M.	CARL W. LARSON	DIVISION OF ARCHITECTURE	STAT. ARCHITECT
APPROVED BY <u>Walter A. Seeger P.E. for G.M.W.</u>			
DATE <u>NOV. 29, 1916</u>			

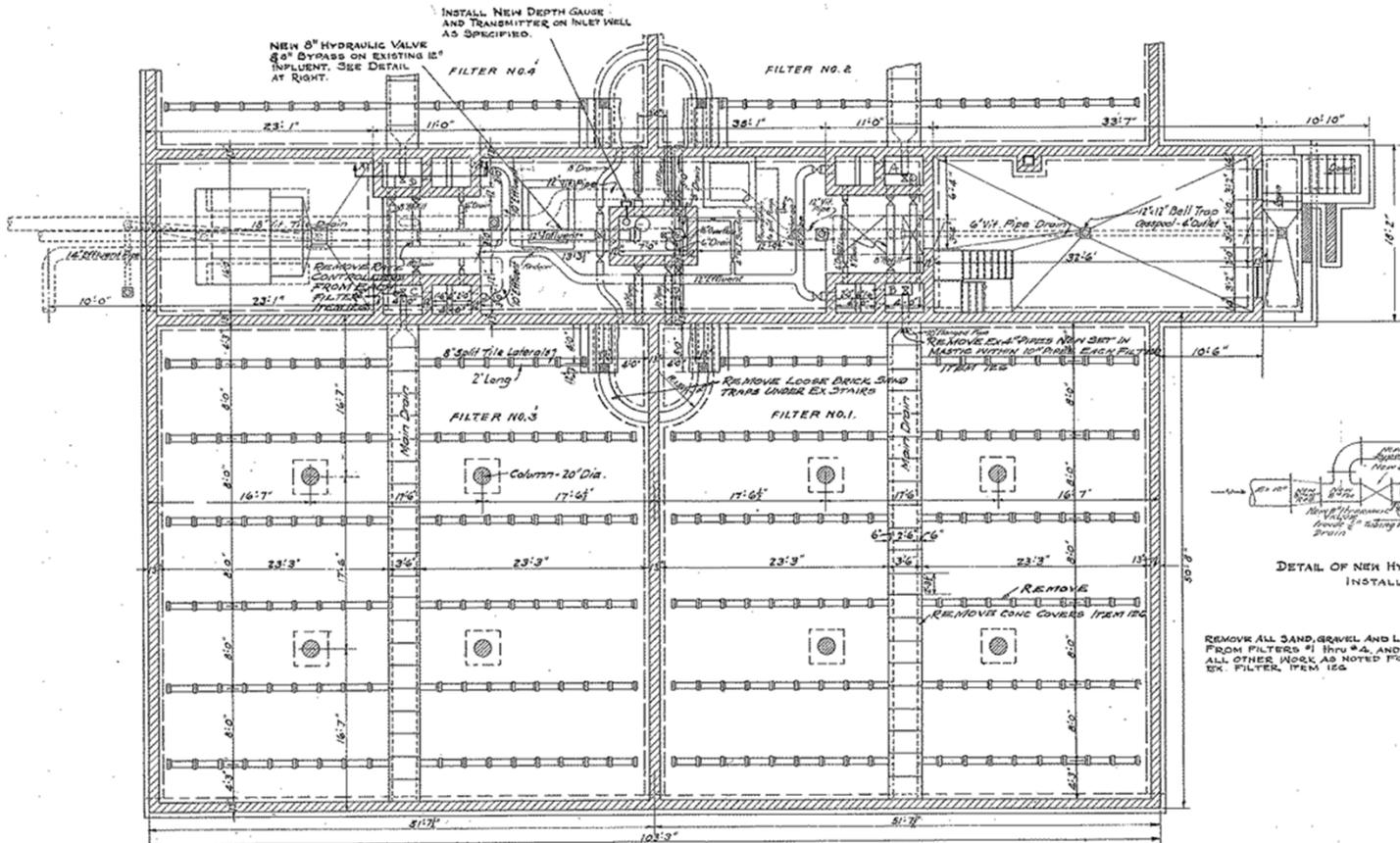
US6910



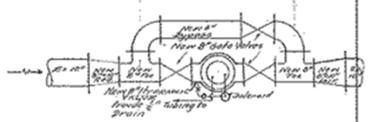
SECTIONAL PLAN AT EL. 1141.2
Scale: 3/16"=1'-0"

GOWANDA STATE HOSPITAL		
HELMUTH OBERTH ENGINEERS	GENERAL ENGINEERING	NEW YORK PROJECT NO. 13898
DRAWN BY R.R.M.	IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT	REGISTRATION NO. 13898 G.E.
TRACED BY C.P.H.	EXISTING FILTER PLANT PLAN	DATE APR. 15, 1957
DESIGNED BY R.F.H.		SCALE AS SHOWN
FIELD CHECK BY S.P.H.	STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS	DRAWING NO. 57
APPROVED BY C.A.L.	DIVISION OF ARCHITECTURE CARL W. LARSON STATE ARCHITECT	5011
APPROVED BY <i>Walter H. Gosse P.E. D.C.M.</i> DATE <i>MAR. 25, 1958</i>		

05617



SECTIONAL PLAN AT EL. 1134.5
 Scale: 1/4"=1'-0"
 Sand and Gravel not shown



DETAIL OF NEW HYDRAULIC VALVE INSTALLATION

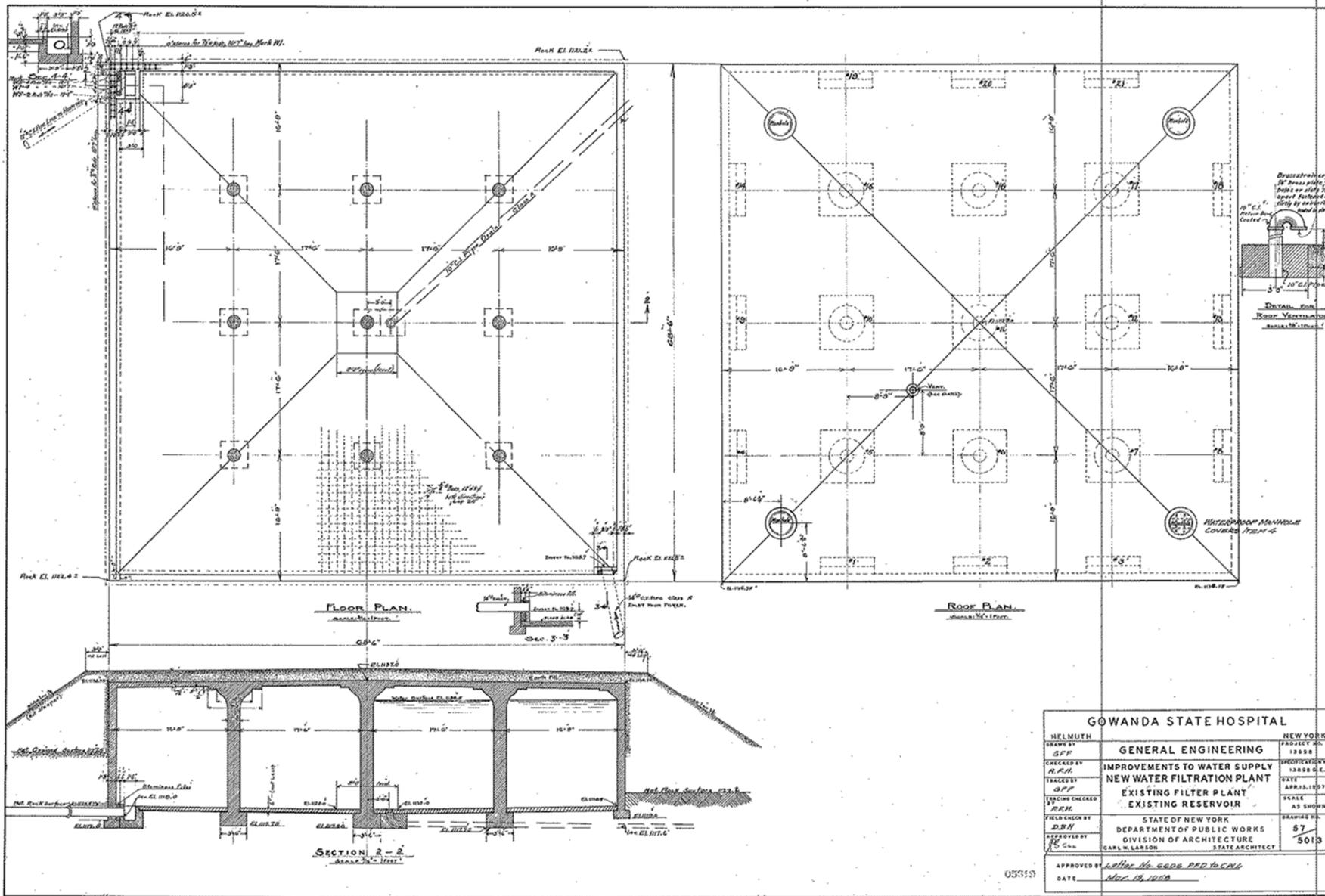
REMOVE ALL SAND, GRAVEL AND LATERALS FROM FILTERS #1 thru #4, AND PERFORM ALL OTHER WORK AS NOTED FOR EACH EX. FILTER, FROM IEG.



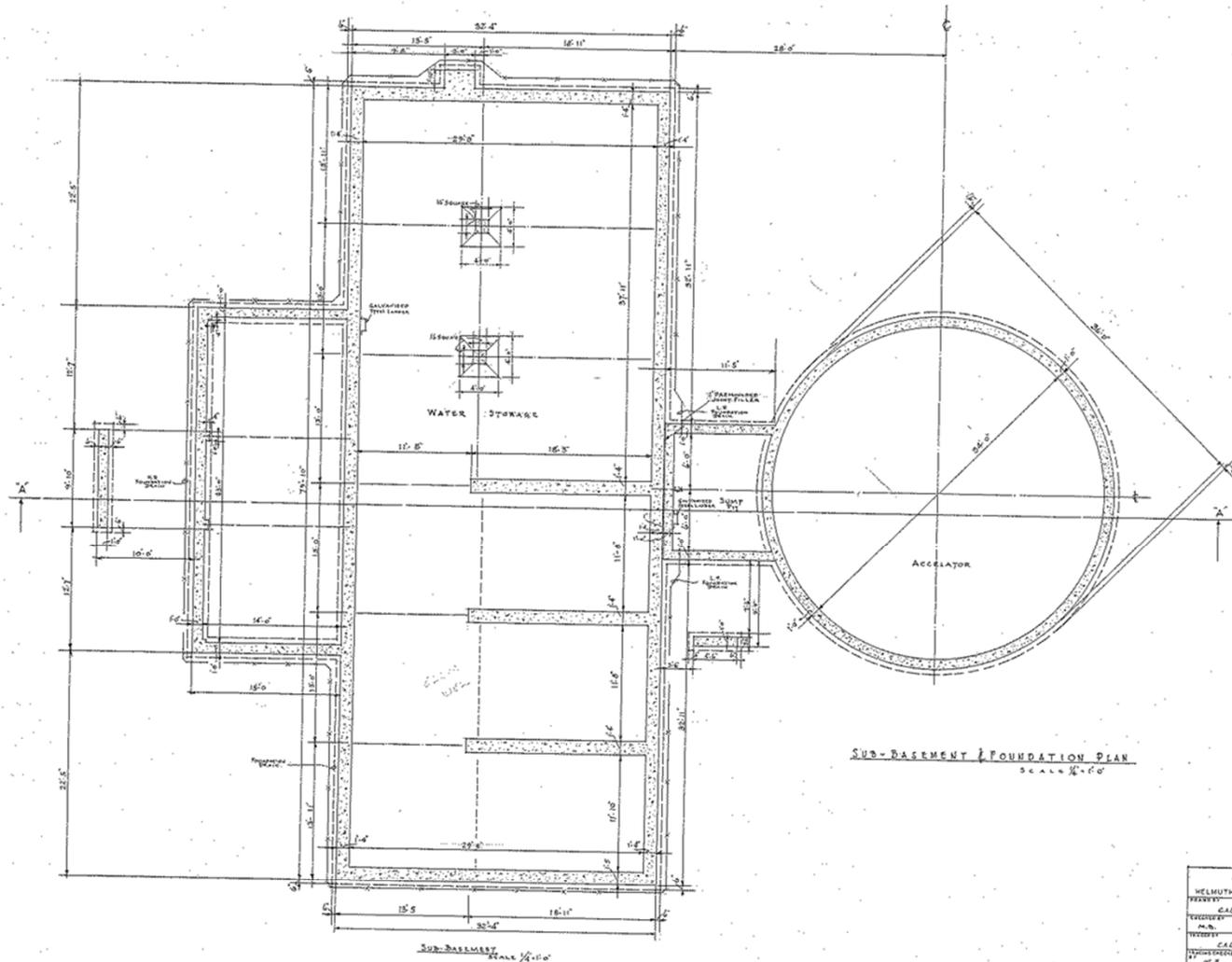
SEC. A-A

GOWANDA STATE HOSPITAL		
DRAWN BY G.F.F. CHECKED BY R.C.H. TRACED BY G.F.F. TRACED CHECKED BY R.C.H. INTER-CHECKED BY J.B.H. APPROVED BY C.S. Conn.	GENERAL ENGINEERING IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT EXISTING FILTRATION PLANT PLAN STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE CARL W. LARSON STATE ARCHITECT	NEW YORK PROJECT NO. 12498 REGISTRATION NO. 12498 DATE APR. 28, 1957 SCALE 1/4" = 1'-0" SHEET NO. 57 5012
APPROVED BY <i>Letter No. 8008, P.P.F. 10/2/56</i> DATE <i>Nov. 19, 1959</i>		

05015

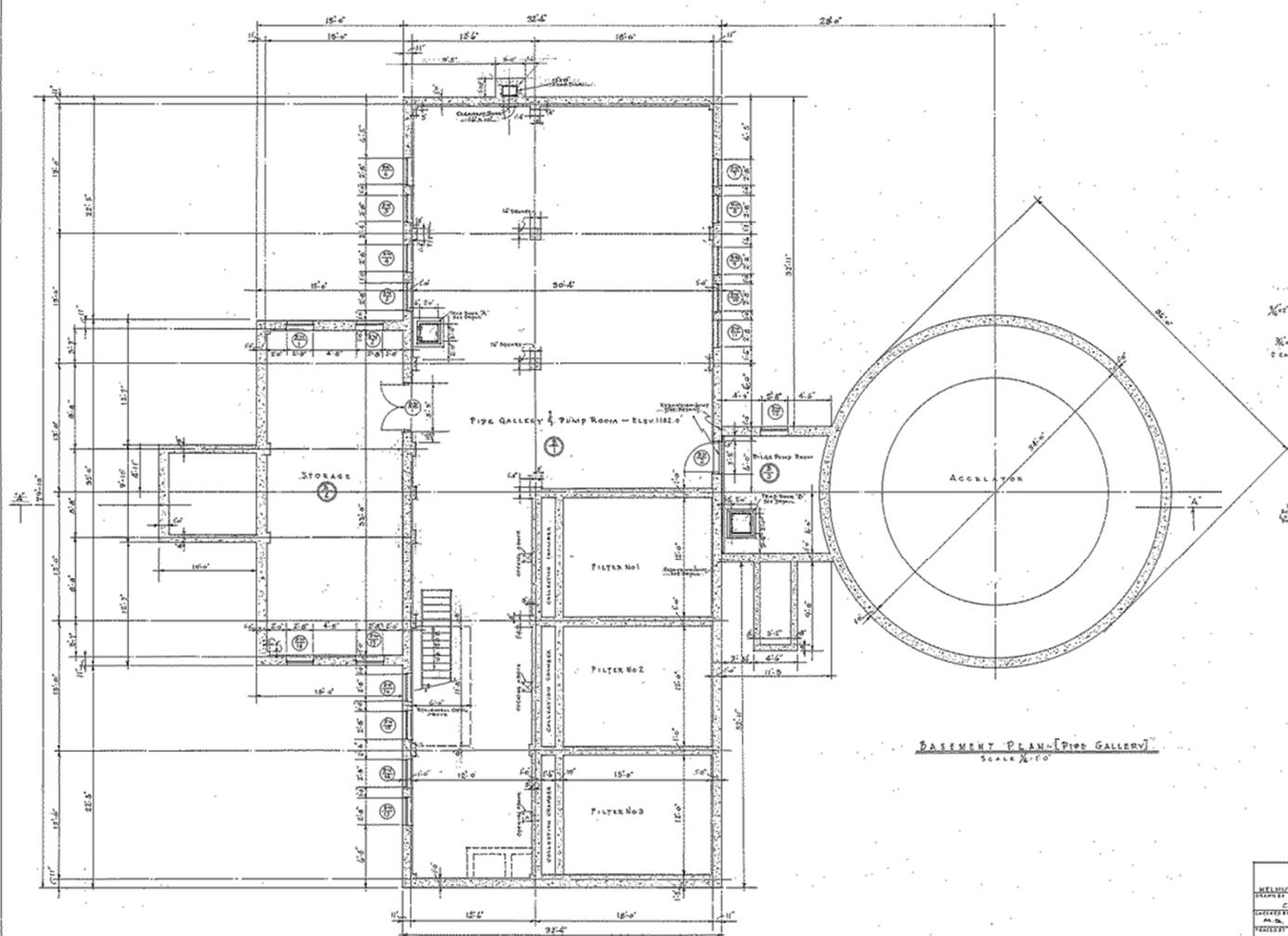


GOWANDA STATE HOSPITAL		
HELMUTH	NEW YORK	
DRAWN BY S.F.F.	GENERAL ENGINEERING	12058
CHECKED BY R.K.H.	IMPROVEMENTS TO WATER SUPPLY	PROFESSIONAL No. 12688 C.C.
TRACED BY S.F.F.	NEW WATER FILTRATION PLANT	DATE APR 13, 1927
FIELD CHECKED BY R.K.H.	EXISTING FILTER PLANT	SCALE AS SHOWN
FIELD CHECKED BY S.F.F.	EXISTING RESERVOIR	DRAWING No. 57
APPROVED BY C.W.L.	STATE OF NEW YORK	5013
	DEPARTMENT OF PUBLIC WORKS	
	DIVISION OF ARCHITECTURE	
	CARL W. LARSON	STATE ARCHITECT
APPROVED BY L.H.M.	Letter No. 6806 P.P.O. H.C.M.	
DATE	Nov. 19, 1926	

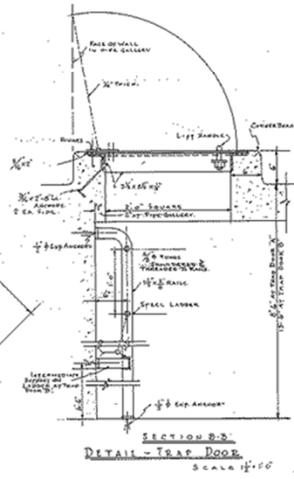
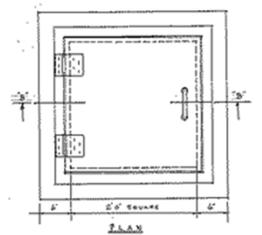


SUB-BASEMENT & FOUNDATION PLAN
SCALE 1/4" = 1'-0"

GOWANDA STATE HOSPITAL		
PROJECT	GENERAL ENGINEERING	NEW YORK
DATE	APRIL 1950	PROJECT NO.
DESIGNED BY	IMPROVEMENTS TO WATER SUPPLY	ENGINEER
DRAWN BY	NEW WATER FILTRATION PLANT	DATE
CHECKED BY	BUILDING NO. 88	APR. 15, 1950
APPROVED BY	SUB-BASEMENT FOUNDATION	SCALE
	CLEAR WATER STORAGE	AS SHOWN
	STATE OF NEW YORK	MANAGER
	DEPARTMENT OF PUBLIC WORKS	57
	DIVISION OF ARCHITECTURE	9014
	CARL LARSEN	DATE
	DATE	

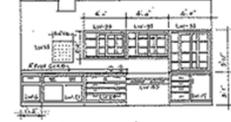
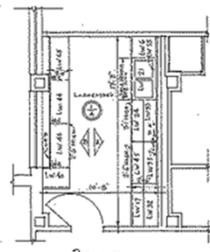
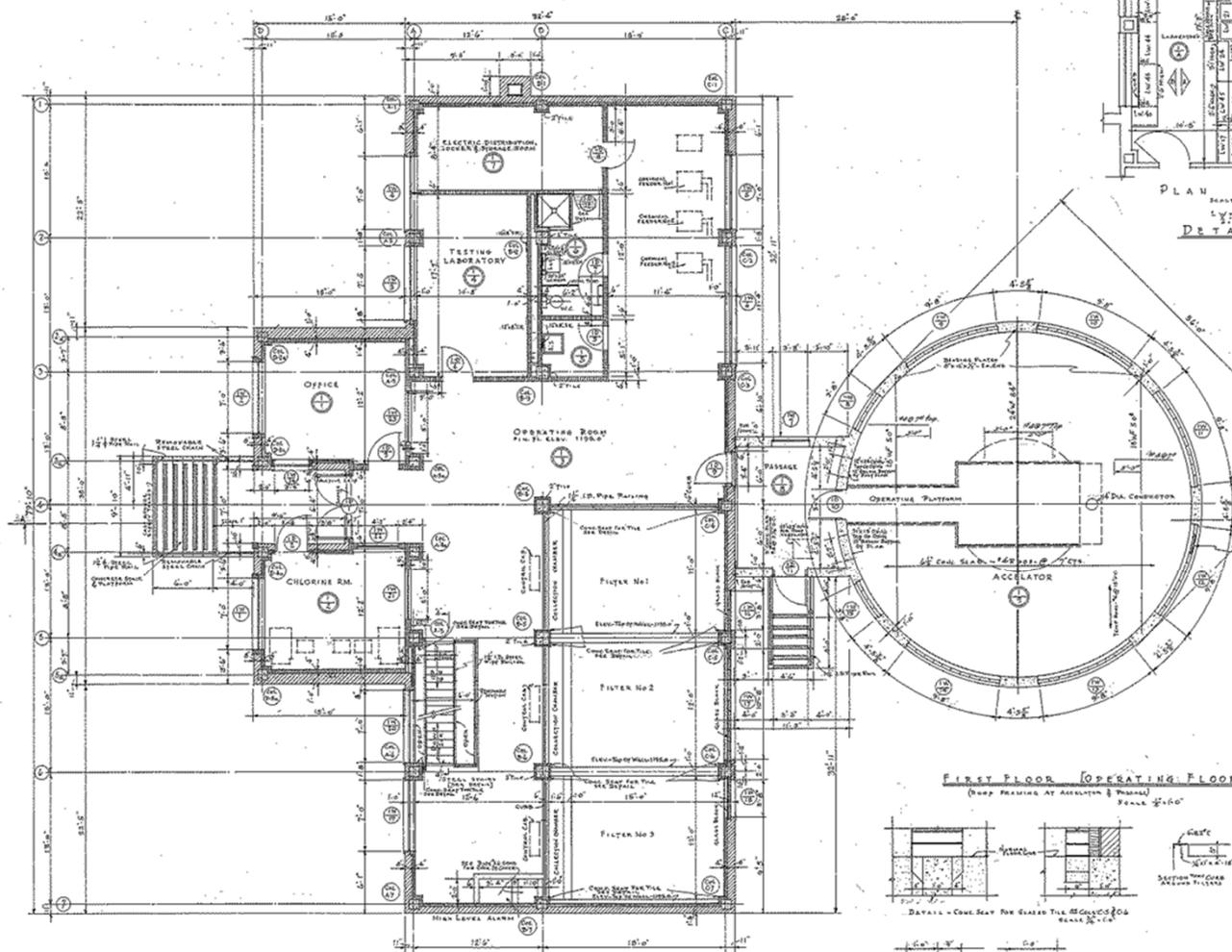


BASEMENT PLAN - [PIPE GALLERY]
SCALE 1/4" = 1'-0"

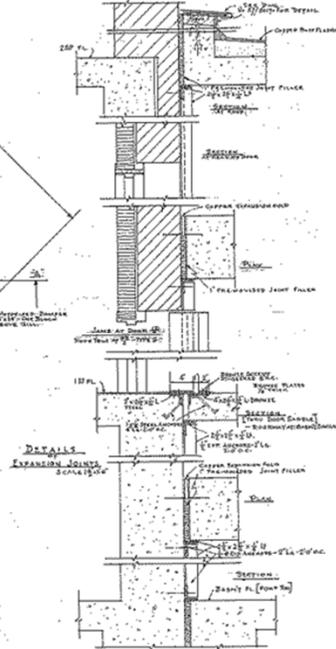


GOWANDA STATE HOSPITAL		NEW YORK
DESIGNED BY	GENERAL ENGINEERING	1930-0
CHECKED BY	IMPROVEMENTS TO WATER SUPPLY	INDEPENDENT
PROJECT	NEW WATER FILTRATION PLANT	DATE
APPROVED BY	BUILDING NO. 88	APR 15, 1930
	BASEMENT PIPE GALLERY	AS NOTED
STATE OF NEW YORK	DEPARTMENT OF PUBLIC WORKS	REPORT NO.
DIVISION OF ARCHITECTURE	DIVISION OF ARCHITECTURE	57
	STATE ARCHITECT	5015
APPROVED BY	J. J. [Signature]	DATE
	1930	

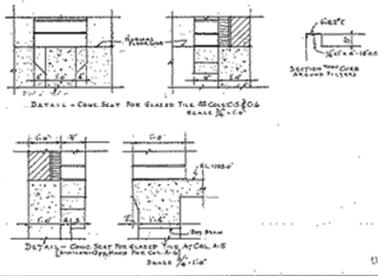
05627



PLAN
 ELEVATION A
 ELEVATION B
 DETAIL OF LABORATORY W.P.
 SCALE 1/8" = 1'-0"



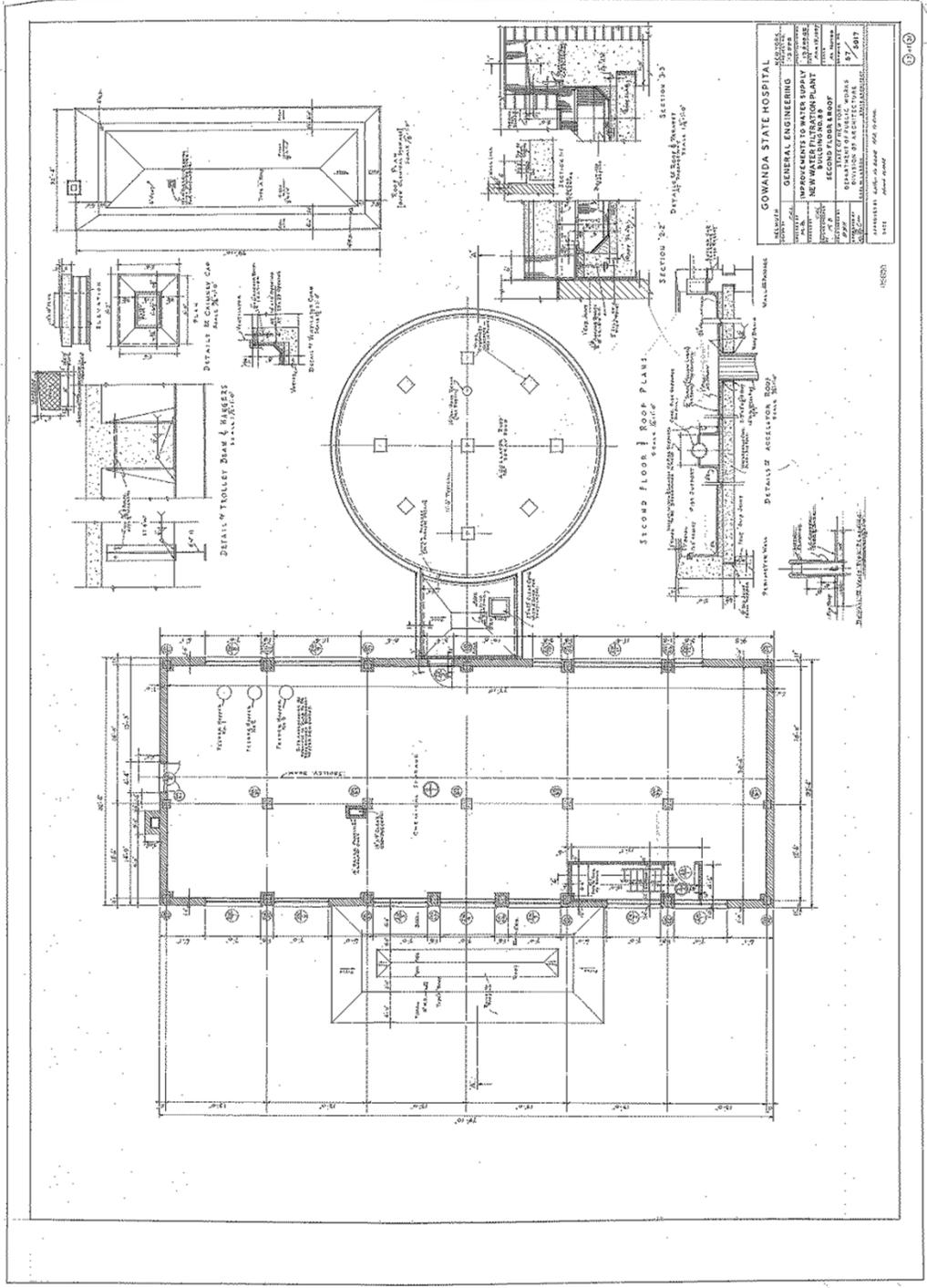
FIRST FLOOR [OPERATING FLOOR]
 (DEEP BEAMING AT ACCELERATOR & PLATFORM)
 SCALE 1/8" = 1'-0"



NOTED: ALL TILES ARE TO BE LAYED OVER EXISTING WORK.

GOWANDA STATE HOSPITAL			
DESIGNED BY	CAL	GENERAL ENGINEERING	NEW YORK
DRAWN BY	M. S.	IMPROVEMENTS TO WATER SUPPLY	PERKINS
PROJECT NO.	100	NEW WATER FILTRATION PLANT	1908
DATE	APR. 1908	BUILDING NO. 88	
SCALE	AS SHOWN	DETAILS OF OPERATING FLOOR	
APPROVED BY	J. H. W.	STATE OF NEW YORK	
DATE	APR. 1908	DEPARTMENT OF PUBLIC WORKS	
		DIVISION OF ARCHITECTURE	
		CHAS. L. HARRIS	57
		CHAS. L. HARRIS	5018
APPROVED BY	J. H. W.	DATE	APR. 1908

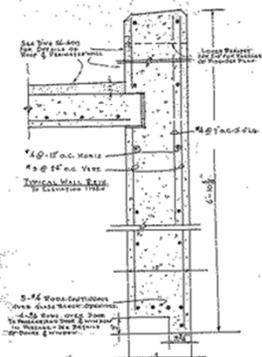
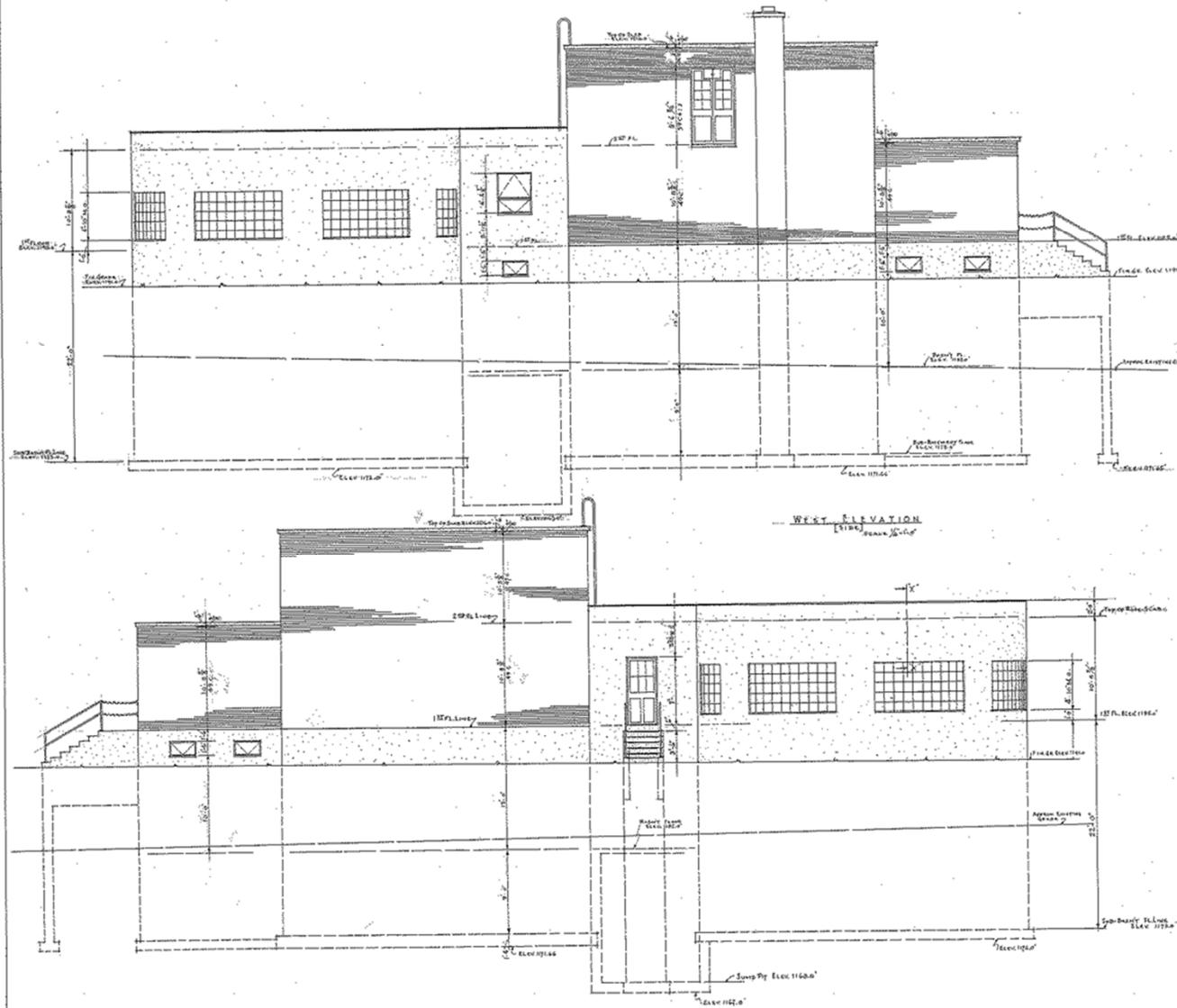
10322



GOWANDA STATE HOSPITAL	
GENERAL ENGINEERING	1934
IMPROVEMENTS TO WATER SUPPLY	1934
NEW WATER FILTRATION PLANT	1934
SECOND FLOOR & ROOF	1934
DESIGNED BY	W. H. HARRIS
CHECKED BY	W. H. HARRIS
DATE	8/27/34
SCALE	AS SHOWN
PROJECT NO.	1000
DATE OF ISSUE	8/27/34
BY	W. H. HARRIS
FOR	STATE OF ALABAMA
REGISTERED PROFESSIONAL ENGINEER	
NO. 1111	STATE OF ALABAMA

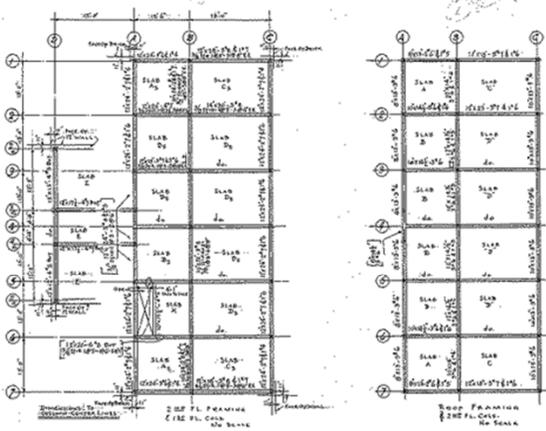
1000

1000

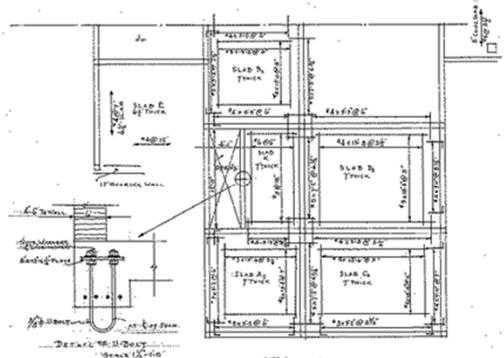


GOWANDA STATE HOSPITAL		NEW YORK
DESIGNED BY	CAL	GENERAL ENGINEERING
DATE	APR. 15, 1930	1930
CHECKED BY	M.D.	IMPROVEMENTS TO WATER SUPPLY
DATE	APR. 15, 1930	1930
PROJECT	NEW YORK	NEW WATER FILTRATION PLANT
NO.	57	BUILDING NO. 88
DATE	APR. 15, 1930	ELEVATIONS
STATE	NEW YORK	STATE OF NEW YORK
DEPARTMENT	PUBLIC WORKS	DIVISION OF ARCHITECTURE
DESIGNED BY	CAL	STATE ENGINEER
DATE	APR. 15, 1930	

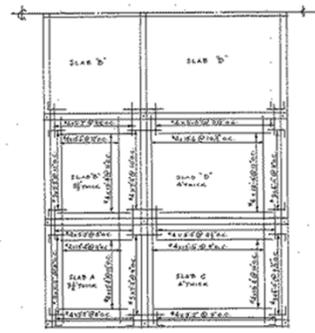
05632



STRUCTURAL FRAMING

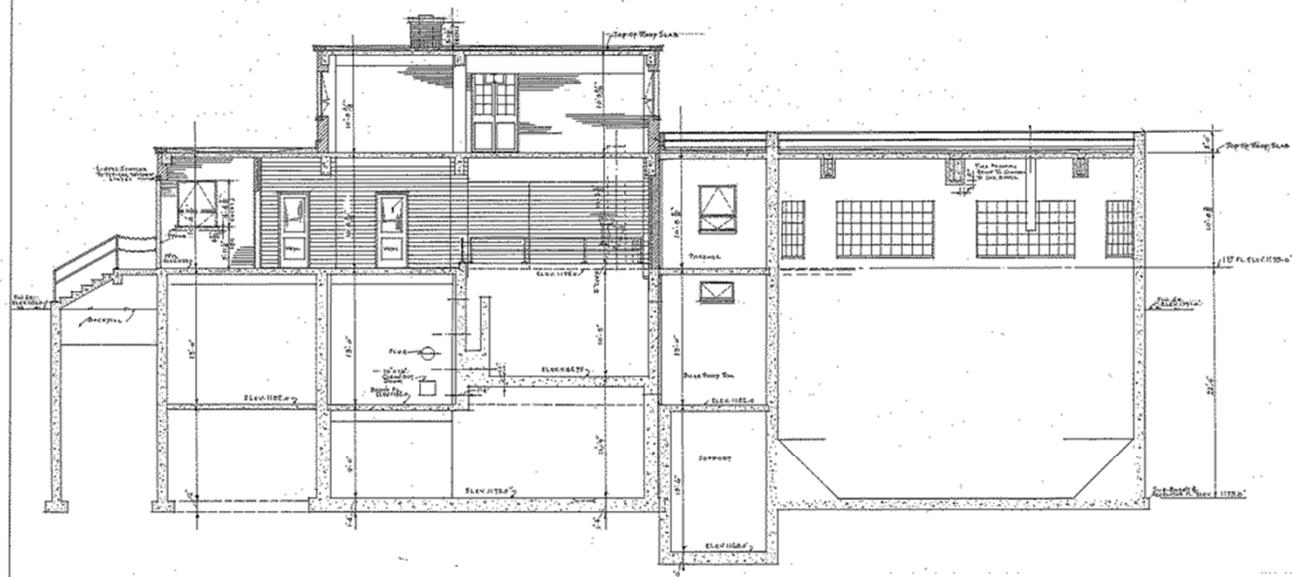


2ND FLOOR LEVEL
[REINFORCEMENT DETAIL FOR EXTERIOR BEAM]
No Scale

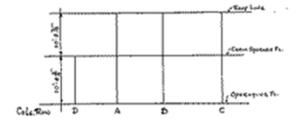


ROOF SLAB
[REINFORCEMENT DETAIL FOR EXTERIOR BEAM]
No Scale

SLAB REINFORCEMENT
[SECOND FLOOR & ROOF]



SECTION A-A
SCALE 1/2" = 1'-0"

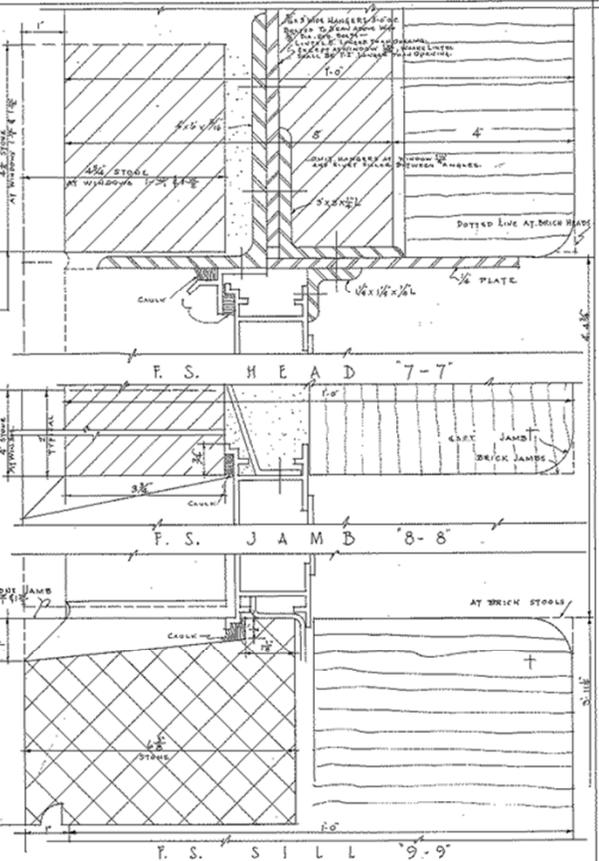
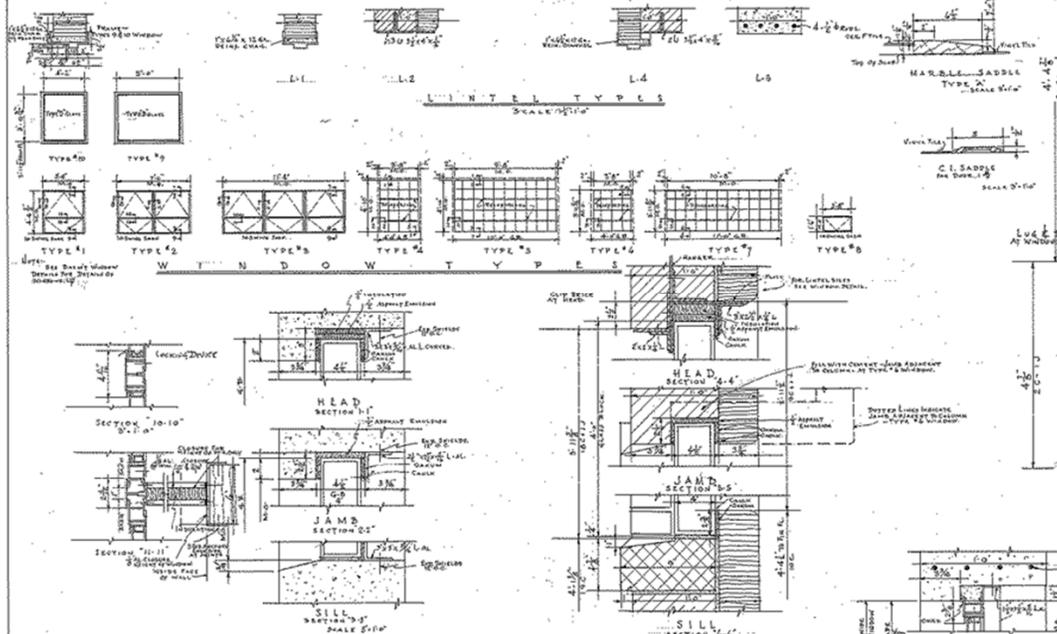


Column	Size	Rein	Ties
Column D-A-C	12" x 12"	4 #5	2 @ 100#
Column D-D-T	12" x 12"	4 #5	2 @ 100#
Slab A, B, C, D	12" x 12"	4 #5	2 @ 12" x 12"

GOWANDA STATE HOSPITAL		
DESIGNED BY MELMUTH	GENERAL ENGINEERING	NEW YORK
DRAWN BY A.M. D.	IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT BUILDING NO. 88	PROJECT NO. 13 000
CHECKED BY J.C. C.	SECTIONS & STRUCTURAL DETAILS	DATE APRIL 1937
APPROVED BY J.B.H.	STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	SCALE As Shown
DATE APR 1937	DATE APR 1937	NO. 57 / 5020
APPROVED BY: <i>J. B. H.</i> STATE ARCHITECT		

135833

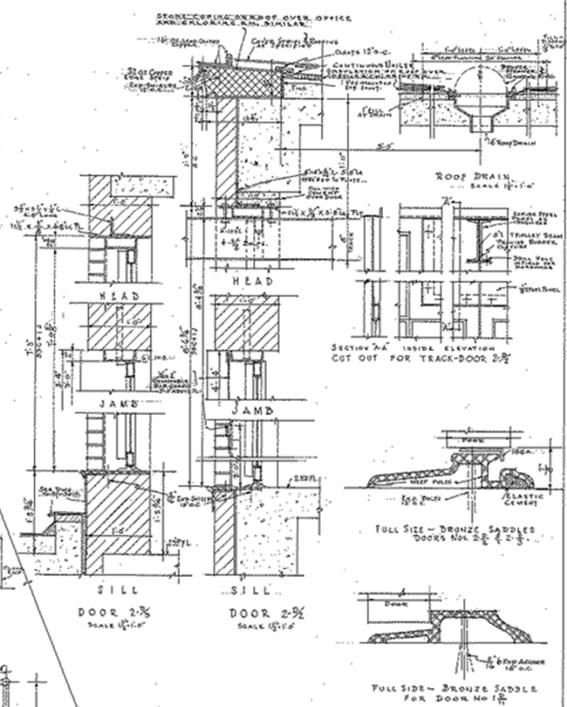
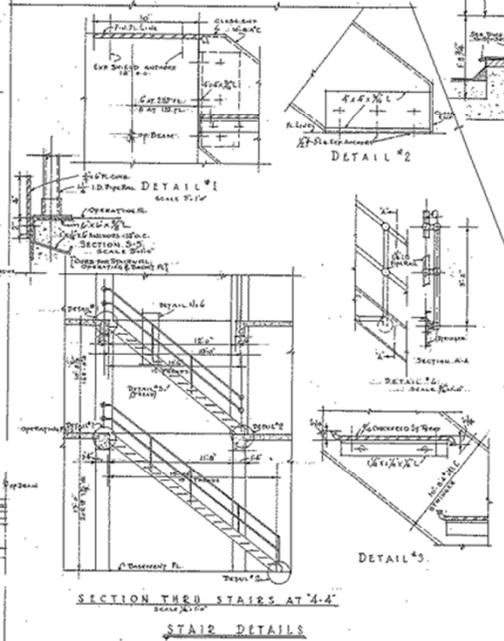
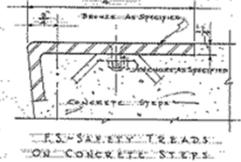
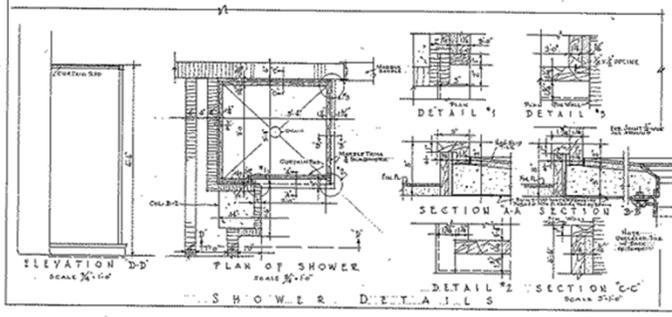
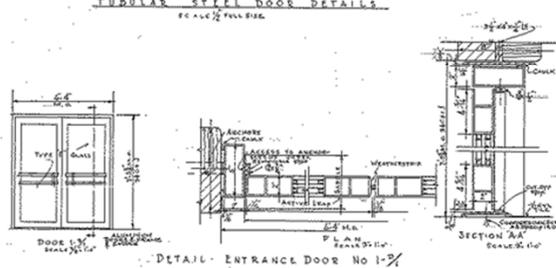
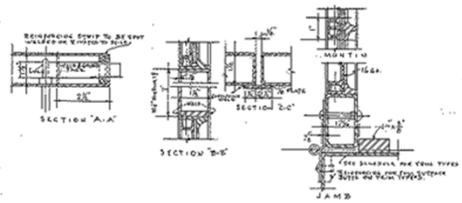
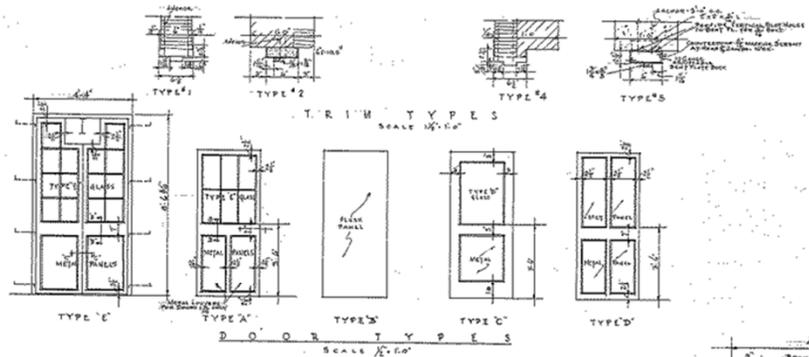
WINDOWS										DOORS										INTERIOR FINISHES										PAINT									
No.	MATERIAL	TYPE	LOCATION	SIZE	REMARKS	DOOR	MAT	SIZE	TYPE	REMARKS	SPACE	DESIGNATION	SPACE	FL.	BASE	FINISH	SPACE	FL.	FINISH	SPACE	FL.	FINISH	REMARKS	SPACE	FL.	FINISH	REMARKS	SPACE	FL.	FINISH	REMARKS								
1	ALUM.	1	2A	24	36	1	1	24	36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
2	ALUM.	2	2B	24	36	2	2	24	36	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
3	ALUM.	3	2C	24	36	3	3	24	36	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3									
4	ALUM.	4	2D	24	36	4	4	24	36	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4									
5	ALUM.	5	2E	24	36	5	5	24	36	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5									
6	ALUM.	6	2F	24	36	6	6	24	36	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6									
7	ALUM.	7	2G	24	36	7	7	24	36	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7									
8	ALUM.	8	2H	24	36	8	8	24	36	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8									
9	ALUM.	9	2I	24	36	9	9	24	36	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9									
10	ALUM.	10	2J	24	36	10	10	24	36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10									
11	ALUM.	11	2K	24	36	11	11	24	36	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11									
12	ALUM.	12	2L	24	36	12	12	24	36	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
13	ALUM.	13	2M	24	36	13	13	24	36	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13									
14	ALUM.	14	2N	24	36	14	14	24	36	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14									
15	ALUM.	15	2O	24	36	15	15	24	36	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15									
16	ALUM.	16	2P	24	36	16	16	24	36	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16									
17	ALUM.	17	2Q	24	36	17	17	24	36	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17									
18	ALUM.	18	2R	24	36	18	18	24	36	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18									
19	ALUM.	19	2S	24	36	19	19	24	36	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19									
20	ALUM.	20	2T	24	36	20	20	24	36	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20									
21	ALUM.	21	2U	24	36	21	21	24	36	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21									
22	ALUM.	22	2V	24	36	22	22	24	36	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22									
23	ALUM.	23	2W	24	36	23	23	24	36	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23									
24	ALUM.	24	2X	24	36	24	24	24	36	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24									
25	ALUM.	25	2Y	24	36	25	25	24	36	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25									
26	ALUM.	26	2Z	24	36	26	26	24	36	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26									



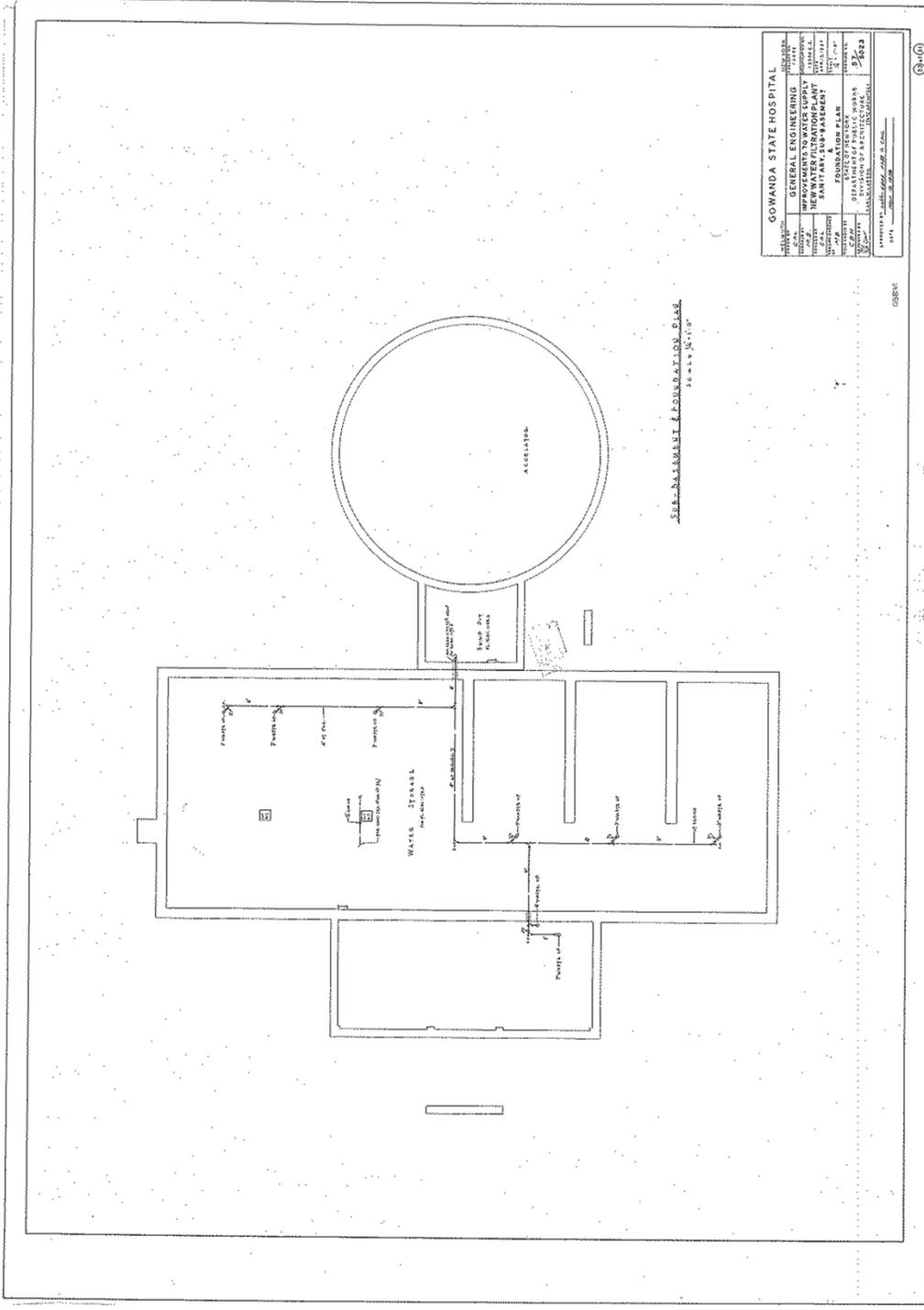
ABBREVIATIONS		GOWANDA STATE HOSPITAL	
AL	ALUMINUM	CONCRETE	CONCRETE
BR	BRICK	GLASS	GLASS
CL	CERAMIC TILE	IRON	IRON
CS	CORROSION RESISTANT	LEAD	LEAD
CT	CAST IRON	PAINT	PAINT
CR	CORROSION RESISTANT	PLASTER	PLASTER
CS	CORROSION RESISTANT	ROOFING	ROOFING
GL	GLASS	STAINLESS STEEL	STAINLESS STEEL
GR	GRANITE	STEEL	STEEL
IR	IRON	WOOD	WOOD
LE	LEAD		
PA	PAINT		
PL	PLASTER		
RF	ROOFING		
SS	STAINLESS STEEL		
ST	STEEL		
WO	WOOD		

GOWANDA STATE HOSPITAL		NEW YORK	
DESIGNED BY	GENERAL ENGINEERING	PROJECT NO.	13-608
DRAWN BY	NEW WATER FILTRATION PLANT	PROVISIONAL	13-608-2
CHECKED BY	BUILDING NO. 8	DATE	APR 19, 1937
APPROVED BY	SCHEDULES & DETAILS	TECH.	
STATE OF NEW YORK	DEPARTMENT OF PUBLIC WORKS	EXHIBIT NO.	57
DIVISION OF ARCHITECTURE	CARL W. LARSEN	STATE SEAL	6021
APPROVED BY	DATE		

135694

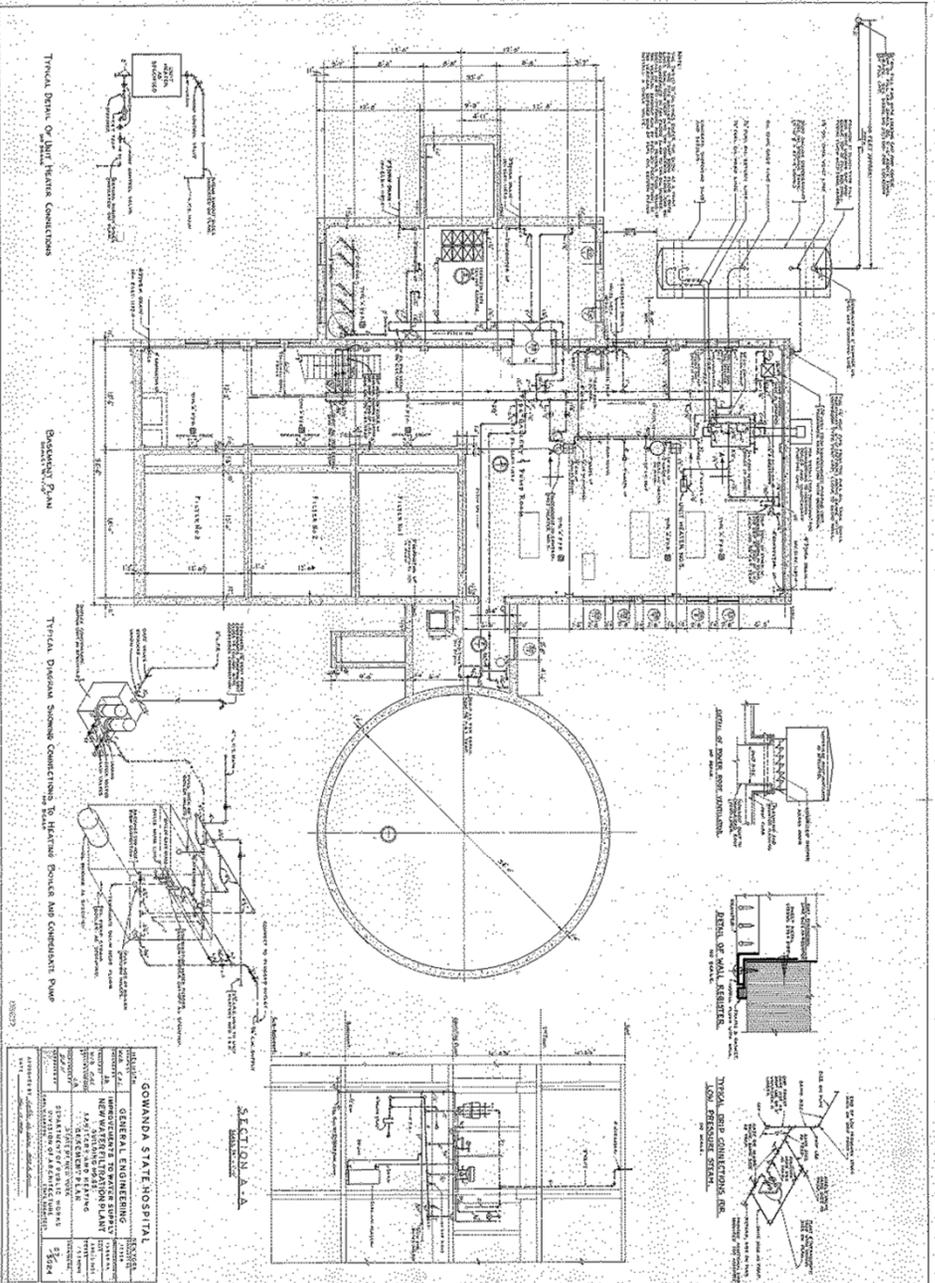


GOWANDA STATE HOSPITAL		
HELMUTH PARSONS ARCHT.	GENERAL ENGINEERING	NEW YORK PARSONS 1908-09
DESIGNED BY T. P. B.	IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT	DESIGNED BY T. P. B.
DRAWN BY S. B. H.	BUILDING NO. 88	DRAWN BY S. B. H.
CHECKED BY S. B. H.	DETAILS	CHECKED BY S. B. H.
APPROVED BY S. B. H.	STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	APPROVED BY S. B. H.
DATE DEC. 15, 1928	EXPLANATION	DATE DEC. 15, 1928



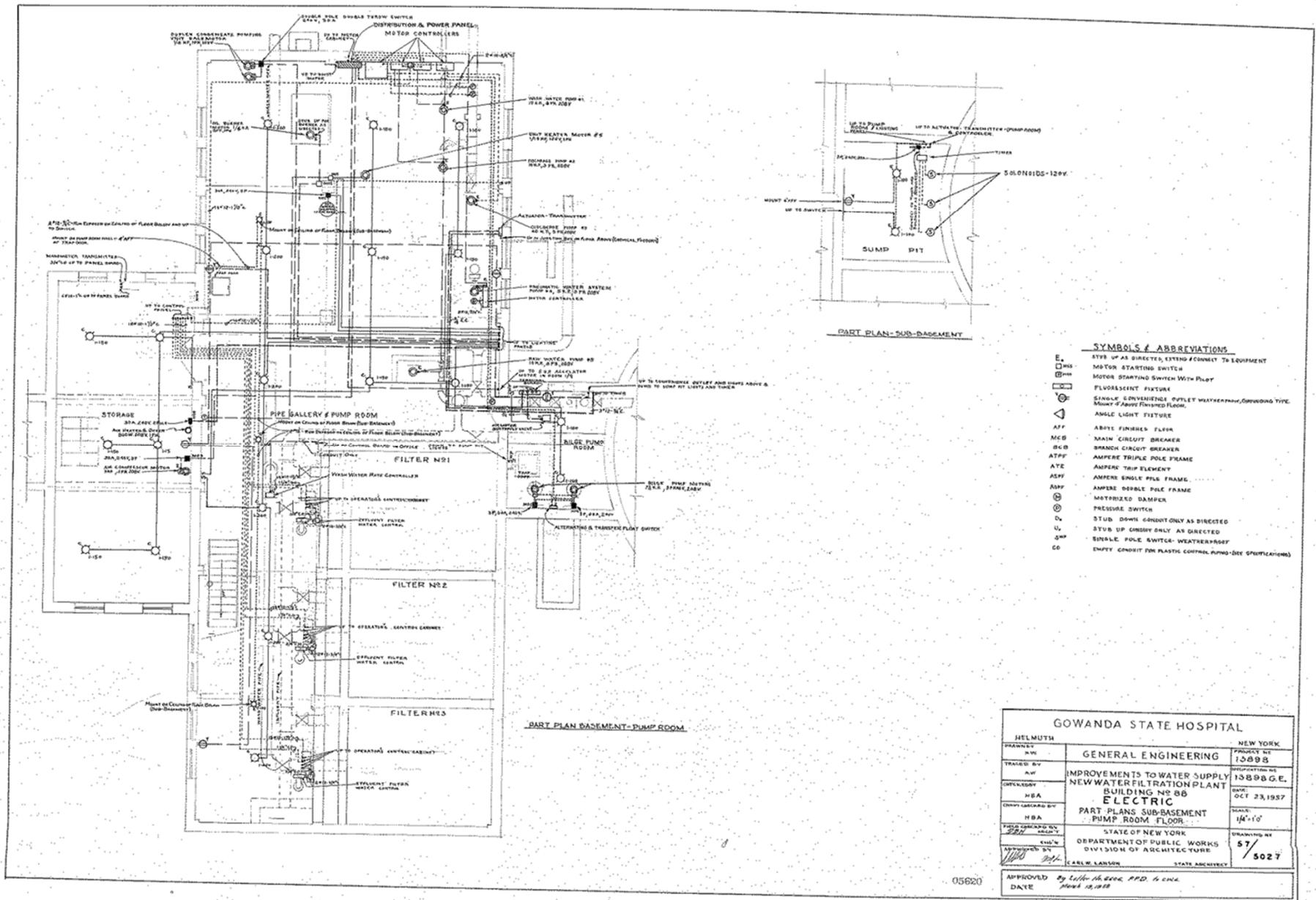
GOWANDA STATE HOSPITAL	
GENERAL ENGINEERING	REVISION
NEW WATER TOWER	NO. 1
NEW WATER FOUNDATION LAY	NO. 2
SANITARY SUB-PASSENG	NO. 3
FOUNDATION PLAN	NO. 4
STATEMENT OF PUBLIC WORKS	NO. 5
MANUAL OF ARCHITECTURAL	NO. 6
NO. 7	NO. 8
NO. 9	NO. 10
NO. 11	NO. 12
NO. 13	NO. 14
NO. 15	NO. 16
NO. 17	NO. 18
NO. 19	NO. 20
NO. 21	NO. 22
NO. 23	NO. 24
NO. 25	NO. 26
NO. 27	NO. 28
NO. 29	NO. 30
NO. 31	NO. 32
NO. 33	NO. 34
NO. 35	NO. 36
NO. 37	NO. 38
NO. 39	NO. 40
NO. 41	NO. 42
NO. 43	NO. 44
NO. 45	NO. 46
NO. 47	NO. 48
NO. 49	NO. 50
NO. 51	NO. 52
NO. 53	NO. 54
NO. 55	NO. 56
NO. 57	NO. 58
NO. 59	NO. 60
NO. 61	NO. 62
NO. 63	NO. 64
NO. 65	NO. 66
NO. 67	NO. 68
NO. 69	NO. 70
NO. 71	NO. 72
NO. 73	NO. 74
NO. 75	NO. 76
NO. 77	NO. 78
NO. 79	NO. 80
NO. 81	NO. 82
NO. 83	NO. 84
NO. 85	NO. 86
NO. 87	NO. 88
NO. 89	NO. 90
NO. 91	NO. 92
NO. 93	NO. 94
NO. 95	NO. 96
NO. 97	NO. 98
NO. 99	NO. 100

①-②



GOWANDA STATE HOSPITAL

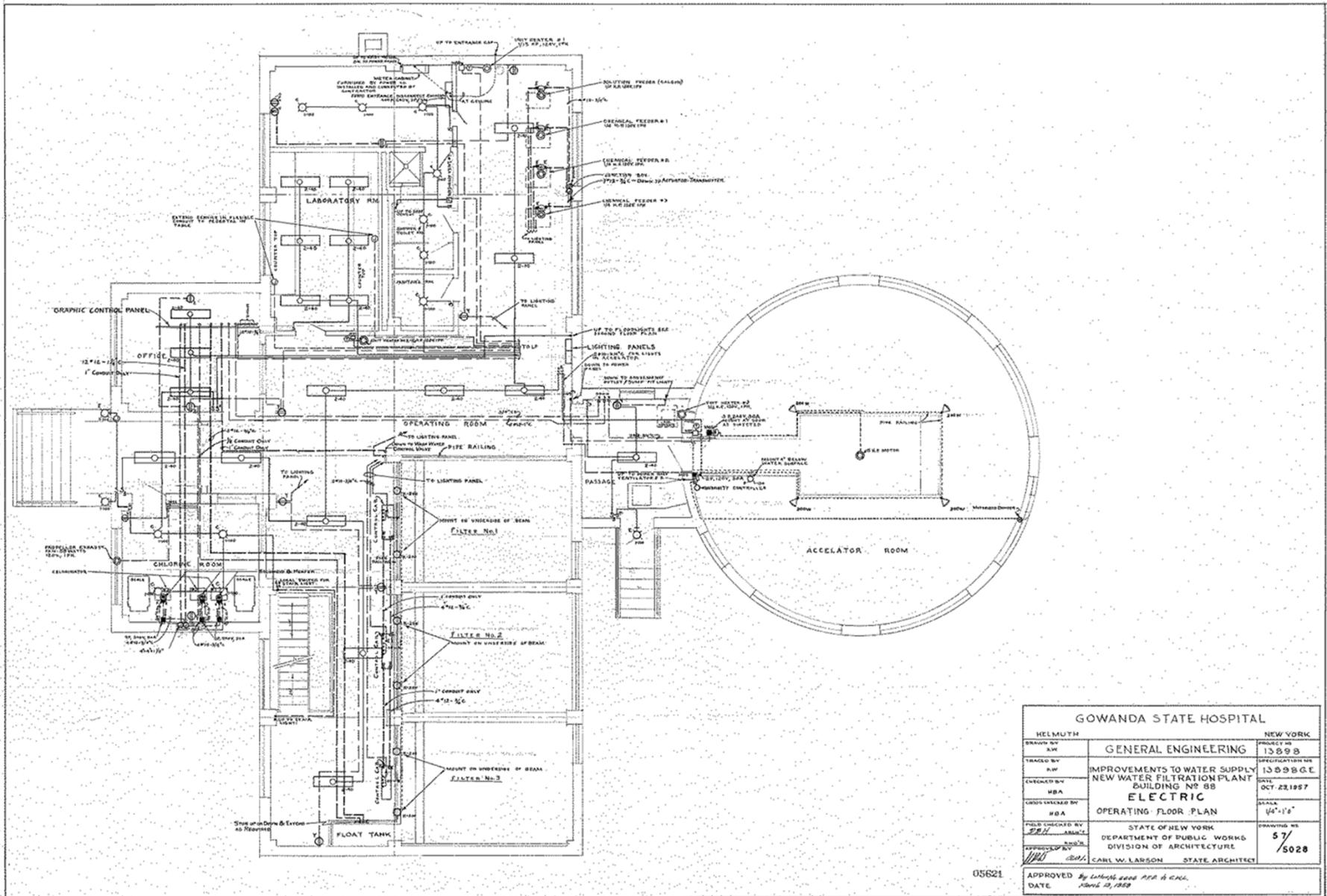
DESIGNED BY	GENERAL ENGINEERING	SCALE	AS SHOWN
DRAWN BY	NEW WATER TREATMENT PLANT	DATE	1927
CHECKED BY	STATE ENGINEER	PROJECT	NEW WATER TREATMENT PLANT
APPROVED BY	STATE ENGINEER	NO.	5784



- SYMBOLS & ABBREVIATIONS**
- E. UP AS DIRECTED, EXTEND & CONNECT TO EQUIPMENT
 - MST MOTOR STARTING SWITCH WITH FLUO
 - FLUO FLUORESCENT FIXTURE
 - SC SINGLE CONVENIENCE OUTLET WEATHERPROOF, GROUNDING TYPE, MOUNT & ABOVE FINISHED FLOOR
 - AL ANGLE LIGHT FIXTURE
 - AF ARBYE FINISHED FLOOR
 - MCB MAIN CIRCUIT BREAKER
 - SCB BRANCH CIRCUIT BREAKER
 - ATPF AMPERE TRIP POLE FRAME
 - ATE AMPERE TRIP ELEMENT
 - ASPF AMPERE SINGLE POLE FRAME
 - ADPF AMPERE DOUBLE POLE FRAME
 - MD METORIZED DAMPER
 - PS PRESSURE SWITCH
 - Dv STUD DOWN CONDUIT ONLY AS DIRECTED
 - Uv STUD UP CONDUIT ONLY AS DIRECTED
 - SW SERVICE POLE SWITCH-WEATHERPROOF
 - CO EMPTY CONDUIT FOR PLASTIC COILING, PUMPS-SEE SPECIFICATIONS

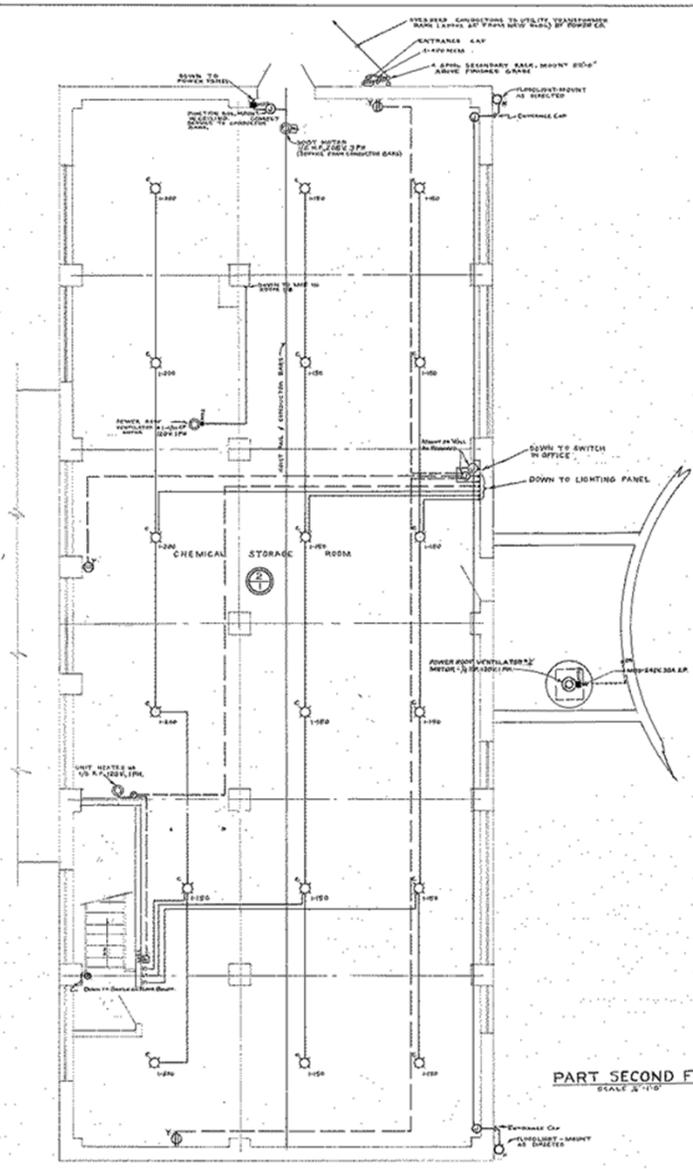
GOWANDA STATE HOSPITAL		
HELMUTH	NEW YORK	
FRANNY	NEW YORK	
TRAINED BY	GENERAL ENGINEERING	PROJECT NO. 13888 G.E.
CONDUCTED BY	IMPROVEMENTS TO WATER SUPPLY	DISPOSITION NO. 13888 G.E.
DESIGNED BY	NEW WATER FILTRATION PLANT	DATE: OCT 23, 1957
CONSTRUCTION BY	BUILDING NO 88	SCALE: 1/4" = 1'-0"
	ELECTRIC	DRAWING NO. 57
	PART PLANS SUB-BASEMENT	5027
	PUMP ROOM FLOOR	
FIELD CHECKED BY	STATE OF NEW YORK	
APPROVED BY	DEPARTMENT OF PUBLIC WORKS	
	DIVISION OF ARCHITECTURE	
	CARL W. LAWSON	STATE ARCHITECT
APPROVED	By <i>Carl W. Lawson</i> P.D. & ENCL.	
DATE	March 15, 1958	

05620

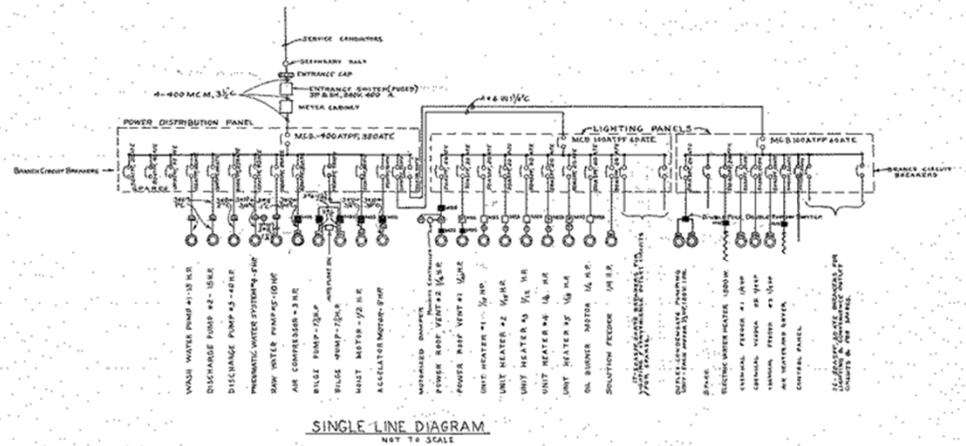


05621

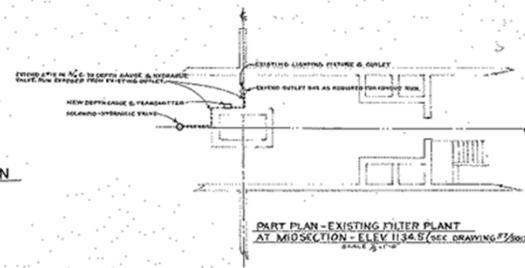
GOWANDA STATE HOSPITAL		
HELMUTH	NEW YORK	
DRAWN BY R.W.	GENERAL ENGINEERING	PROJECT NO. 13098
TRACED BY R.W.	IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT BUILDING NO 55	SPECIFICATION NO. 13098GE
CHECKED BY MBA	ELECTRIC	DATE OCT 23, 1957
DESIGN CHECKED BY HBA	OPERATING FLOOR PLAN	SCALE 1/4" = 1'-0"
FIELD CHECKED BY J.B.H.	STATE OF NEW YORK	DRAWING NO. 57/5028
DESIGNED BY C.W.L.	DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	
	CARL W. LAWSON STATE ARCHITECT	
APPROVED By <i>LEWIS WOOD</i> P.E. & C.E.		
DATE March 22, 1958		



PART SECOND FLOOR PLAN
SCALE 1/4" = 1'-0"



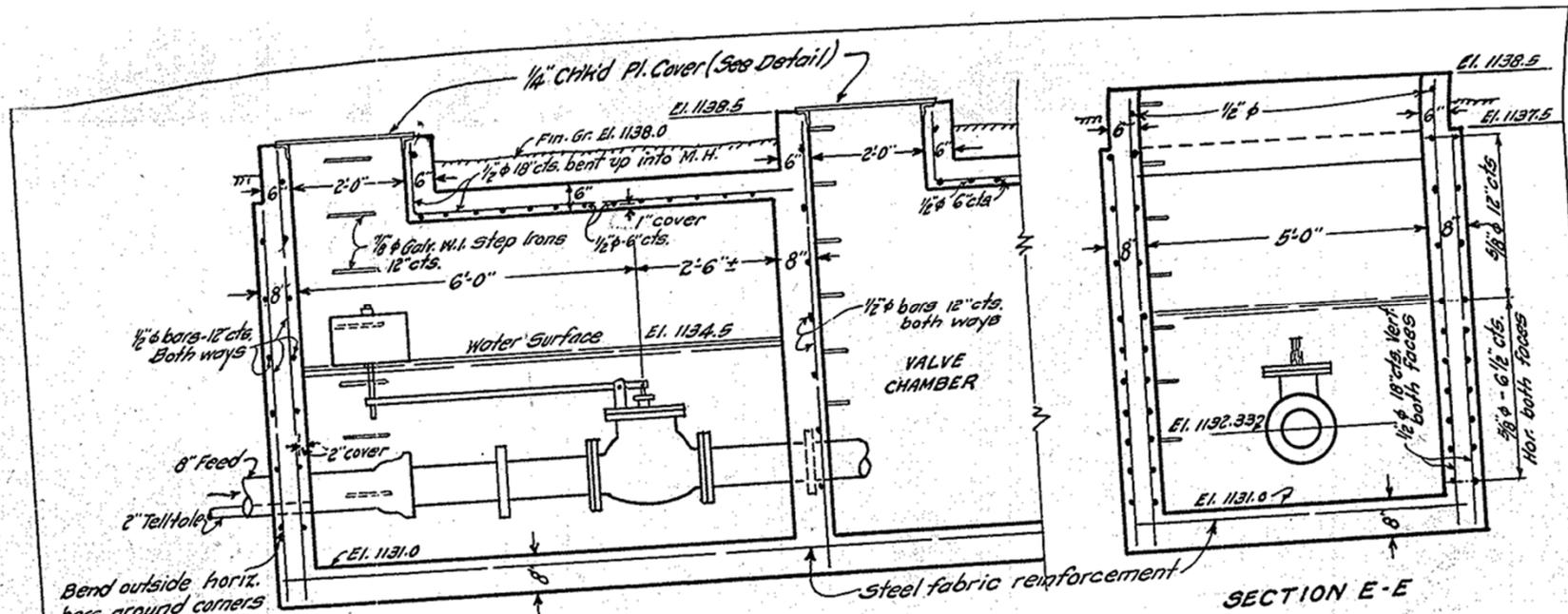
SINGLE LINE DIAGRAM
NOT TO SCALE



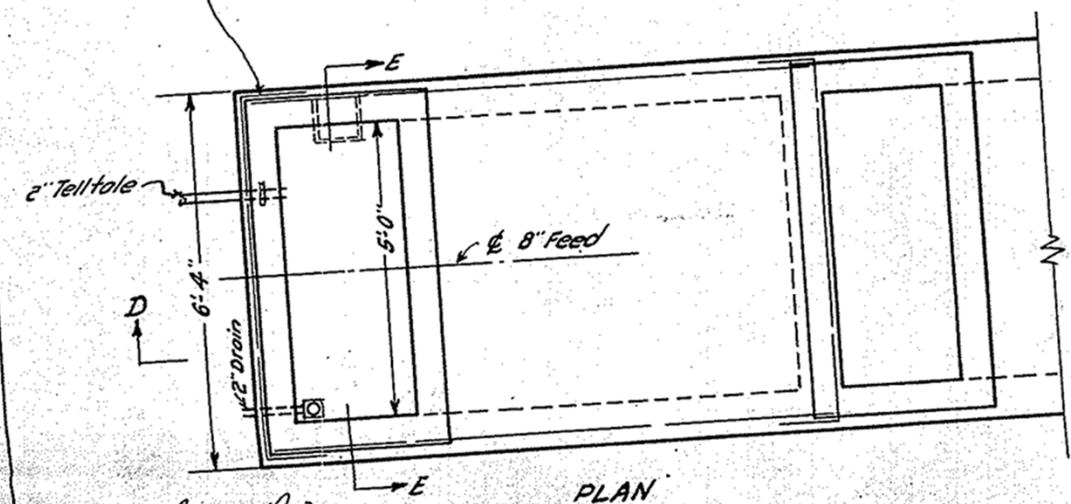
PART PLAN - EXISTING FILTER PLANT
AT MIDSECTION - ELEV 1134.5 (SEC DRAWING #2802)
SCALE 1/4" = 1'-0"

GOWANDA STATE HOSPITAL		NEW YORK
DESIGNED BY H.M.	PROJECT NO. 13898	DATE OCT 23, 1937
TRACED BY H.M.	GENERAL ENGINEERING	APPROXIMATE NO. 13888 G.E.
CHECKED BY H.B.A.	IMPROVEMENTS TO WATER SUPPLY NEW WATER FILTRATION PLANT BUILDING NO. 88	SCALE AS SHOWN
CROSS CHECKED BY H.B.A.	ELECTRIC	DRAWING NO. 57
FIELD CHECKED BY H.M.	PART SECOND FLOOR PLAN SINGLE LINE DIAGRAM PART FLOOR PLAN - EXISTING FILTER PLANT	DATE MAY 15, 1937
APPROVED BY CARL W. LARSON	STATE ARCHITECT	
DATE MAY 15, 1937		

05822



Bend outside horiz. bars around corners as shown below.



02738

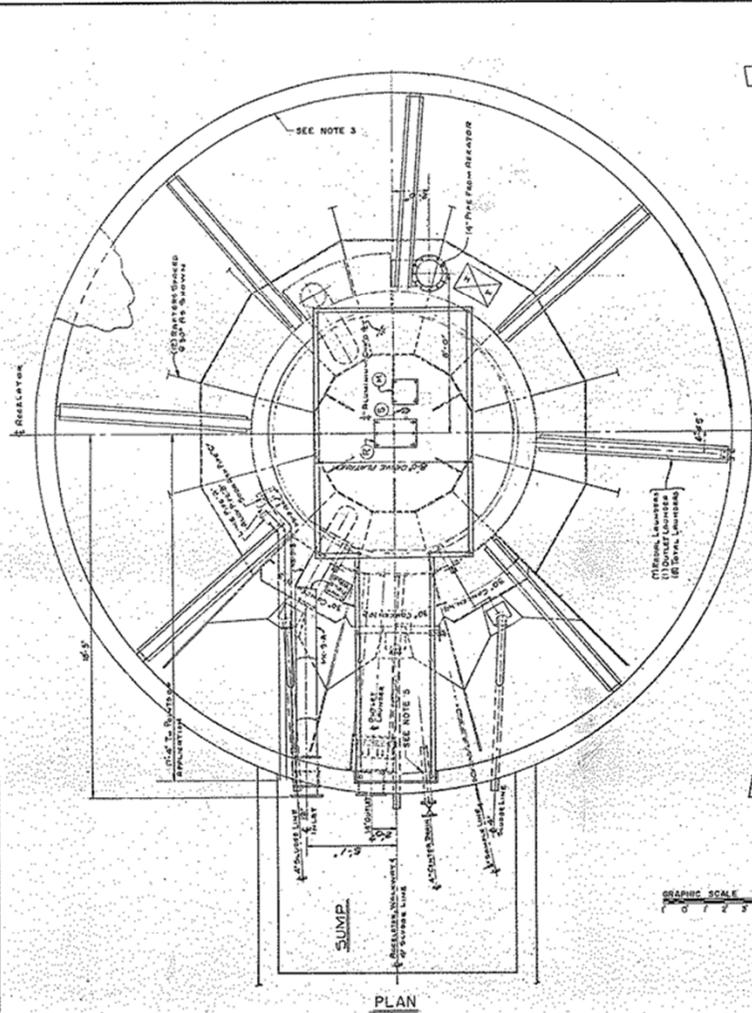
DETAIL OF
REVISED FLOAT VALVE MANHOLE
GOWANDA S. H.

Cont. No. 3814 - Water Supply
Scale $\frac{3}{8}'' = 1'-0''$

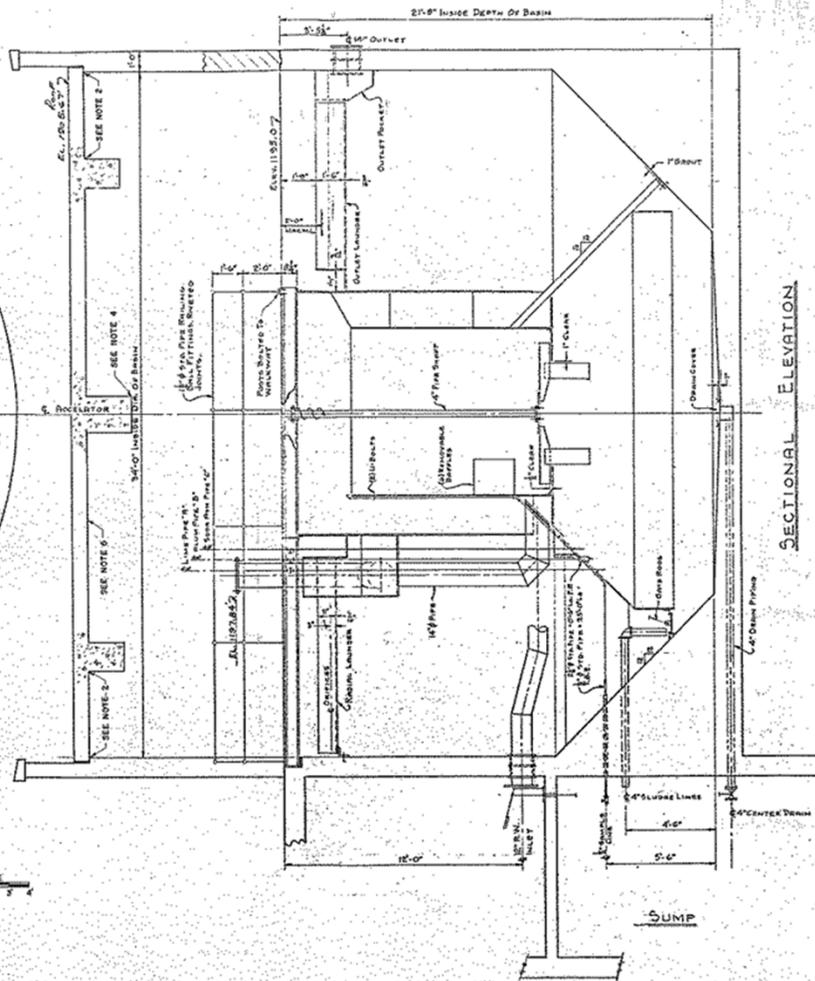
MADE BY S. L. Smith, May 1935
CHECKED BY H. K. Clark, May 1935

(Cont. 3814)

#610



PLAN



SECTIONAL ELEVATION



NOTES

1. THE FACILITY WILL SCHEDULE A ONE DAY PERIOD AT WHICH TIME THE TANK WILL BE EMPLOYED FOR INSPECTION BY PROSPECTIVE BIDDERS. THE DATE OF THE INSPECTION PERIOD WILL BE: FEB. 26, 1982 8:00 A.M. - 4:00 P.M.
2. REPAIR CRACKING AROUND THE PERIMETER OF THE CEILING SLAB AT JUNCTION WITH WALL AND AT THE JUNCTION OF THE THREE CEILING BEAMS WITH THE WALL. APPROXIMATELY 125 LINEAR FEET TOTAL.
3. REPAIR SPALL IN WALL OF TANK AT WATER LINE. APPROXIMATELY ONE SQUARE FOOT.
4. REPAIR LOCATION WHERE CONCRETE ENCASEMENT OF L-BEAM WAS REMOVED FOR INSTALLATION OF STEEL CLAMP. APPROXIMATELY 1/2 SQUARE FOOT.
5. REPAIR TWO LOCATIONS IN WALL WHERE CONCRETE BROKE OFF WHILE DRILLING HOLES FOR PIPES. APPROXIMATELY 1/2 SQUARE FOOT.
6. REPAIR MISCELLANEOUS LOCATIONS IN CEILING SLAB WHERE SPALLING HAS OCCURRED. APPROXIMATELY TWO SQUARE FEET.
7. THE CONTRACTOR SHALL PAINT ALL INTERIOR CONCRETE AND METALLIC SURFACES WITH A C-1 TYPE COATING SYSTEM INCLUDING CEILING SLAB.
8. THE WORK ON THIS PROJECT SHALL BE DONE BETWEEN (JULY) - SEPTEMBER 15, 1982.



WARNING: THE ALTERATION OF THIS MATERIAL IN ANY MANNER DONE UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF ARTICLE 2345 OF THE NEW YORK STATE STATUTES AND IF A CLASS A JOB DESIGNER.

ENVIRONMENTAL ENGINEERING
PAINT SETTLING TANK INTERIOR

ROWANDA PSYCHIATRIC CENTER
HELMUTH
NEW YORK

PLAN, ELEVATION
AND DETAILS
OF SETTLING TANK

STATE OF NEW YORK EXECUTIVE DEPARTMENT
OFFICE OF GENERAL SERVICES

COMMISSIONER JOHN C. EGAN DESIGN AND CONSTRUCTION DIRECTOR HARRY STEVENS, JR., P. E.

DIVISION OF DESIGN DIRECTOR JAMES M. FOWLES, P. E.

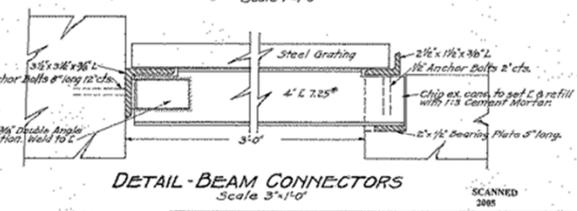
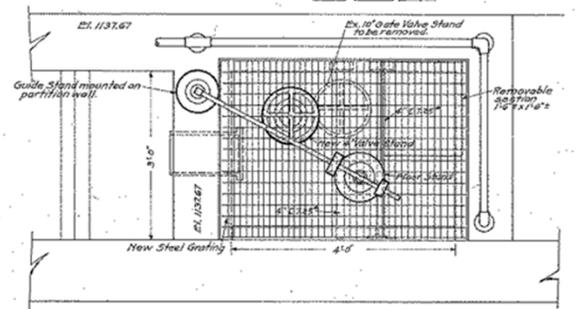
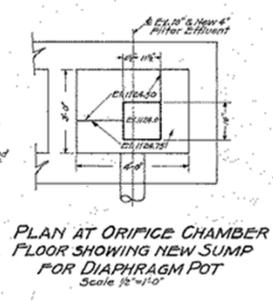
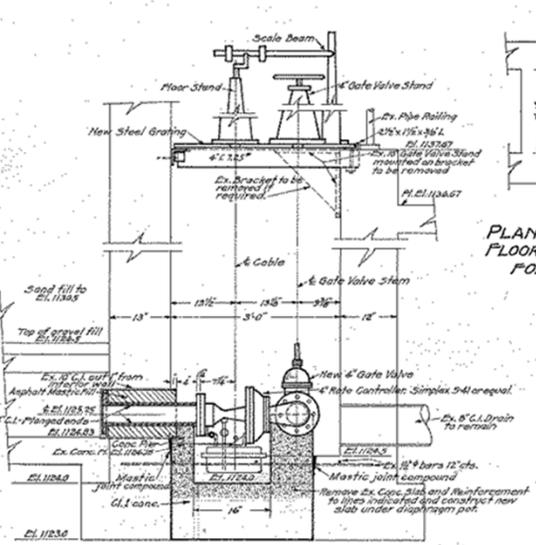
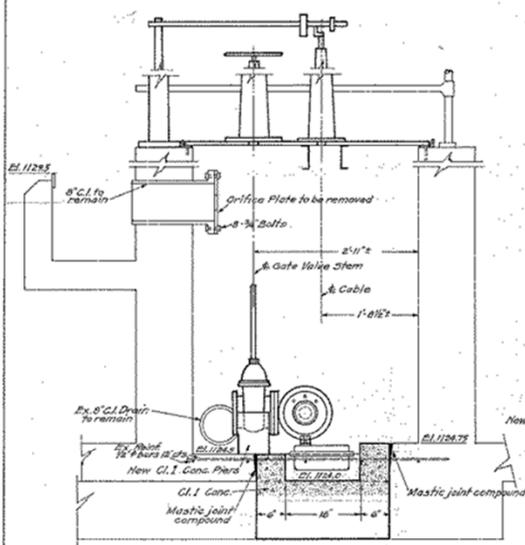
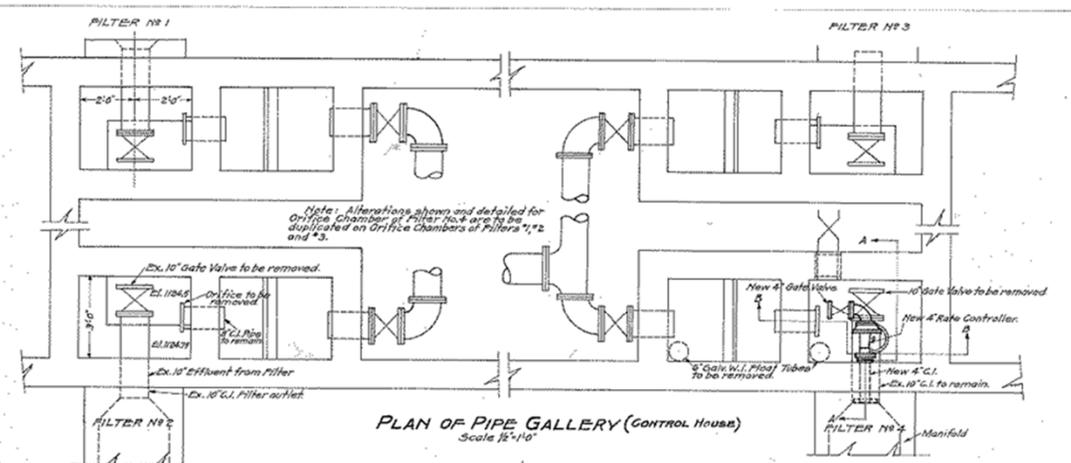
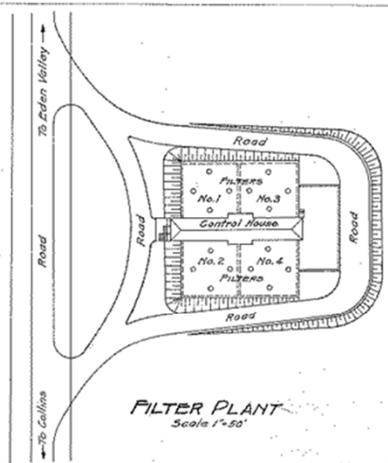
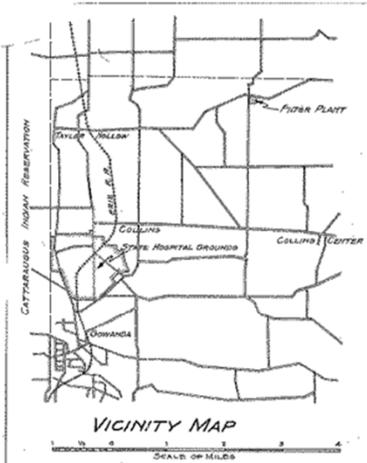
ARCHITECTURAL DESIGNER ROSEMARY CHASE ENGINEERING CONSULTANT James M. Fowles, P.E.

DRAWN BY M. FLYNN DATE JAN 7, 1982 AS SHOWN

TRACED BY M. FLYNN CHECKED BY W. DONGES SCALE 1/4" = 1'-0" PLOTTED BY S. S. NUN DATE 1-7-82

APPROVED BY OFFICE OF MENTAL HEALTH DATE JAN. 7, 1982 LETTER NO. 041331

PROJECT NO. 32701-GE DRAWING NO. 81/5051



GENERAL NOTES
All new Cast Iron Pipe shall be Class B

Note: While work is in progress on one filter, the remaining 3 filters shall be kept in operation at all times, or as required.

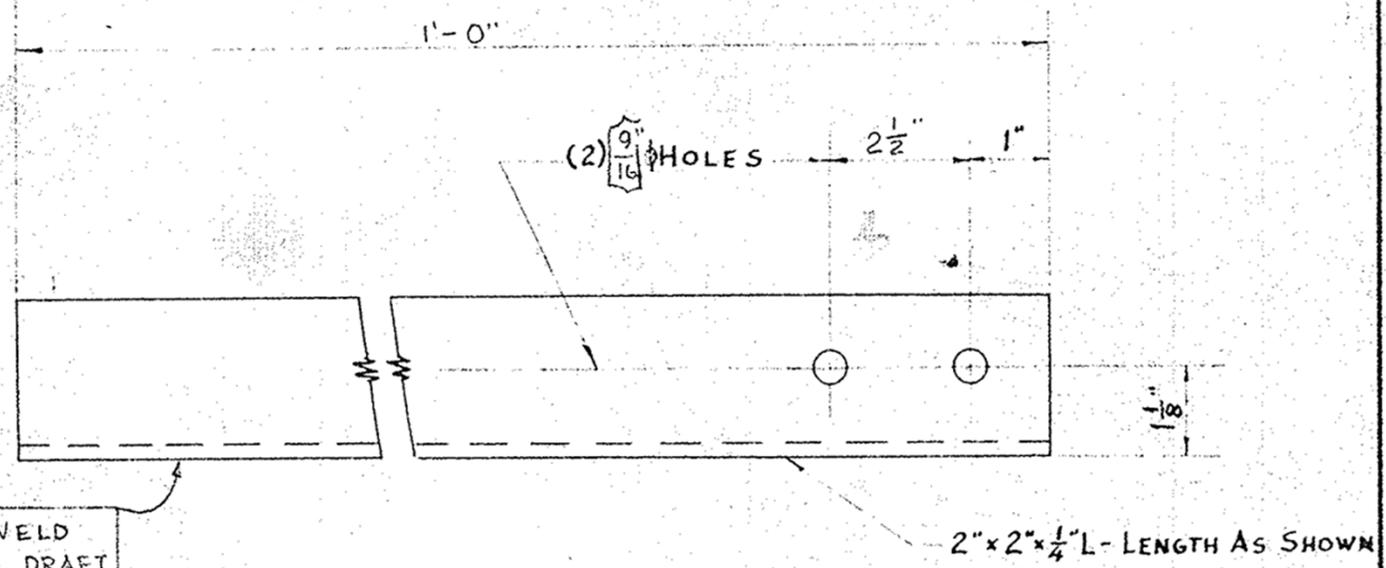
Field checked by Letter # 4950 Dated March 22, 1940
C.R. Waters
District Engineer
Approved by Letter # 4955 Dated March 19, 1940
Department of Mental Hygiene
W.A.C. to C.J.W.
Commissioner
Approved Jan 20, 1948
C.J. White
State Architect

GOWANDA STATE HOMEOPATHIC HOSPITAL		
HELMUTH	ERIC COUNTY	NEW YORK
DRAWN BY	J.C.B.	PROJECT NO.
CHECKED BY	C.R.W.	7391
TRACED BY	F.R.E.	REGISTRATION NO.
TRACING CHECKED BY	C.J.W.	13941
CHECKED BY	C.J.W.	DATE
		JAN, 25, 1948
		SCALE
		AS SHOWN
		DRAWING NO.
		48/3001
		TOTAL SHEETS

REFERRED TO

ARCHITECTURE
 DIVISION OF ARCHITECTURE
 BR NOVI 4 1988

33238



CONT. FIELD WELD
TO BOTTOM OF DRAFT
TUBE LAUNDER

PIPE SUPPORT

MAKE (3) MK 8-A

ALL SURFACES TO BE FREE OF RUST,
DIRT AND GREASE BEFORE PAINTING.
PAINT ALL OVER ONE (1) SHOP COAT OF
BITUMASTIC #2 PRIMER SOLUTION TO WITHIN
3" OF FIELD WELDS.

V.D. 28810

					INFILCO INC.  TUCSON, ARIZ.	
					ACCELERATOR TREATING PLANT CHEMICAL PIPE SUPPORT DETAIL	
D					DR. BY F.C.Q.	CHK. BY M.E.S.
C					APPR. WV	DATE 8-21-58
B						SCALE 1/8" = 1"
A					A. D.	W28-1016-8
SYM.	DATE	DR. BY	DESCRIPTION	REASON	REVISIONS	

DIMENSIONS UNDERLINED ARE OUT OF SCALE

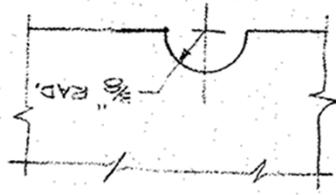
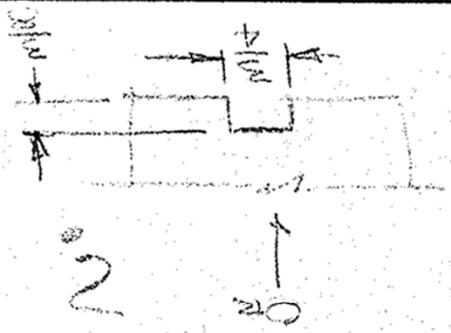
SYM.		DATE	DR. BY	DESCRIPTION	REASON
A					
B					
C					
D					

A. D.		Z28-1016-13		W28-1016-16	
DR. BY	TWB	CHK. BY	S.P.	APP. DATE	SCALE
				7-22-58	3" 1ft.

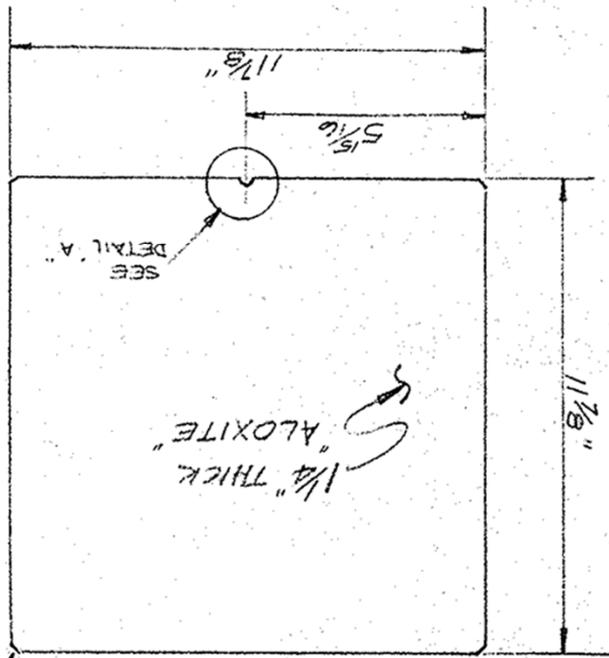
NOTCH
DETAIL-PERDS
PLATE



INFILCO INC. TUCSON, ARIZ.



DETAIL "A"



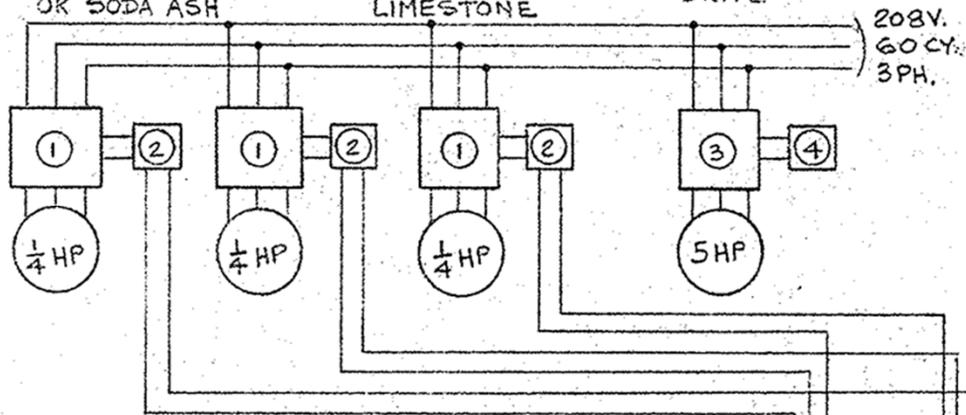
MK 16-A
(504) RECD
MAKE FROM STD. 1 1/8 SQ. X 1/4"
"ALOXITE" PLATES.

ALL CORNERS CUT BACK
APPROX 3/8" FROM EDGES
& AT 45°

TYPE EE4B FEEDERS FOR
HYD. LIME, ALUM, LIMESTONE
OR SODA ASH

TYPE EE4A FEEDER
FOR HYD. LIME &
LIMESTONE

ACCELERATOR
DRIVE



208V.
60 CY.
3 PH.

VIBRATORS & CONTROLLERS ON FEEDERS

FROM FLOW METER
& TRANSMITTER
(BY OTHERS)

TO FLOW METER
& TRANSMITTER
(BY OTHERS)

TO HEATER
ON FEEDERS

1/4 HP AGITATOR
ON EE4B FEEDERS
(PLUG-IN FOR SERVICE)

- ① A-B BULL.#709 CAT.#709AAA FULL VOLTAGE STARTER, SIZE O, FORM 2 NEMA I ENCLOSURE
- ② A-B BULL.#800 TYPE R4SX1 P.B. STATION H-O-A PUSH BUTTON, STD. DUTY, NEMA I ENCL.
- ③ A-B BULL.#740 RESISTANCE TYPE REDUCED VOLTAGE STARTER CAT.#740BAAG5 SIZE I NEMA I ENCL.
- ④ A-B BULL.#800 TYPE 2SA1 STD. DUTY P.B. STATION, NEMA I ENCL. "START-STOP"
- ⑤ A-B BULL.#700 TYPE B-40, 4 POLE N.O. RELAY, NEMA I ENCL.
- ⑥ A-B BULL.#700 TYPE B-30, 3 POLE N.O. RELAY, NEMA I ENCL.

NOTE: EXTERNAL WIRING FURNISHED BY OTHERS

Gowanda State Hospital
Helmuth, N. Y.
Your Order 155
INFILCO INC. Order 28-1016

TO INTERMITTENT SLUDGE BLOW-OFF DWG.#28-1016-3
110V./60 CY./1PH.

D					
C					
B					
A					
SYM.	DATE	DR. BY	DESCRIPTION	REASON	
REVISIONS					

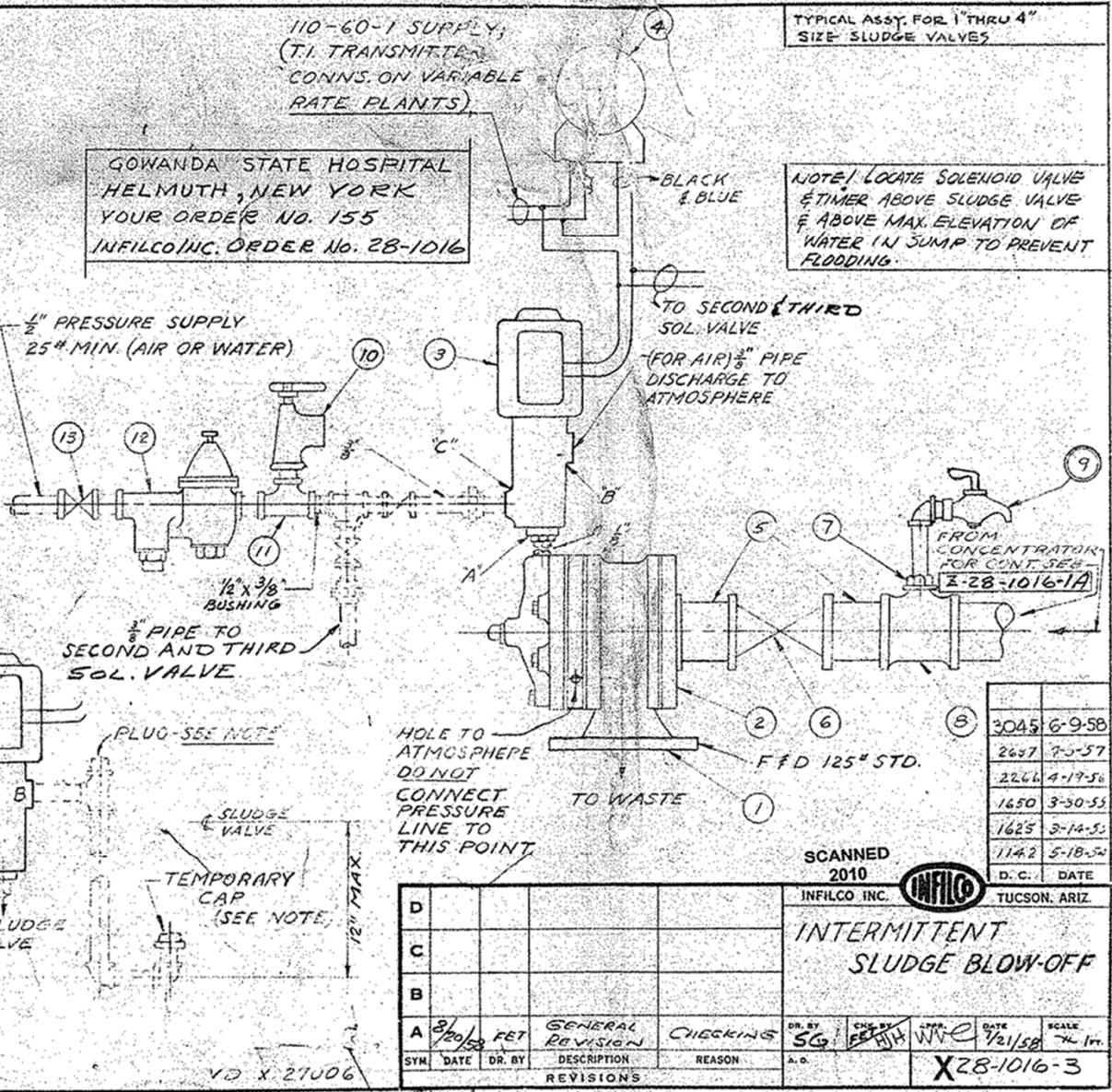
INFILCO INC.
TUCSON, ARIZ.

AUTOMATIC CONTROL
AND
WIRING DIAGRAM

DR. BY E.P.	CHECKED BY TV S.P.	APPROVED WPC	DATE 10-2-58	SCALE ~ / FT.
A. D.			W28-1016-19	

DIMENSIONS UNDERLINED ARE OUT OF SCALE

EA	QTY.	PART No.	DESCRIPTION
1	3	G 33000-4	4" SLUDGE VALVES TYPE "F"
2	3		4" X 9" STD. 125"
			FLANGES
3	3	256-3	3/8" ASCO 3 WAY SOLENOID VALVE - FORM "G"
			PRESSURE AT "C"
4	1	X252-	5 GE TIMER TYPE TSA-14
			TOTAL TIME CYCLE 5 MIN.
5	6		4" NIPPLES 4" LG.
6	3	IOWA LIST 12	4" GATE VALVES
7	3		1" X 3/8" HEX. BUSH.
8	3		4" X 4" X 1" TEES
9	3	A-25497	3/8" SAMPLE COCKS.
10	1	X-159-5	1/2" PRESSURE REL. VALVE
11	1		1/2" TEE
12	1	149-4	1/2" PRESSURE REGULATOR & STRAINER
13	1	X.212-4	1/2" GATE VALVE



110-60-1 SUPPLY;
(T.I. TRANSMITTER
CONNS. ON VARIABLE
RATE PLANTS)

GOWANDA STATE HOSPITAL
HELMUTH, NEW YORK
YOUR ORDER NO. 155
INFILCO INC. ORDER No. 28-1016

TYPICAL ASSY. FOR 1" THRU 4"
SIZE SLUDGE VALVES

NOTE! LOCATE SOLENOID VALVE
& TIMER ABOVE SLUDGE VALVE
& ABOVE MAX. ELEVATION OF
WATER IN SUMP TO PREVENT
FLOODING.

NOTE 1
FOR WATER PRESSURE SUPPLY: INSTALL
WASTE PIPING FROM SOLENOID VALVE
WITH LOOP SEAL AS SHOWN IN PHANTOM
LINES. WHEN DISTANCE "X" EXCEEDS
5 FT. REMOVE PLUG FROM TEE & FILL
WITH WATER, TEMPORARILY CAPPING
SEAL. REPLACE PLUG & UNCAP SEAL
AFTER FILLING PIPE.

PIPING SHOWN IN PHANTOM LINES BY OTHERS

TEMPORARY
CAP
(SEE NOTE)

VD X 21006

3045	6-9-58
2697	7-3-57
2266	4-17-56
1650	3-30-53
1625	3-14-53
1142	5-18-54
D. C.	DATE

SCANNED
2010



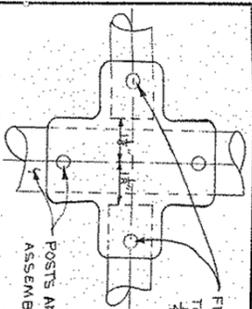
INFILCO INC. TUCSON, ARIZ.

INTERMITTENT
SLUDGE BLOW-OFF

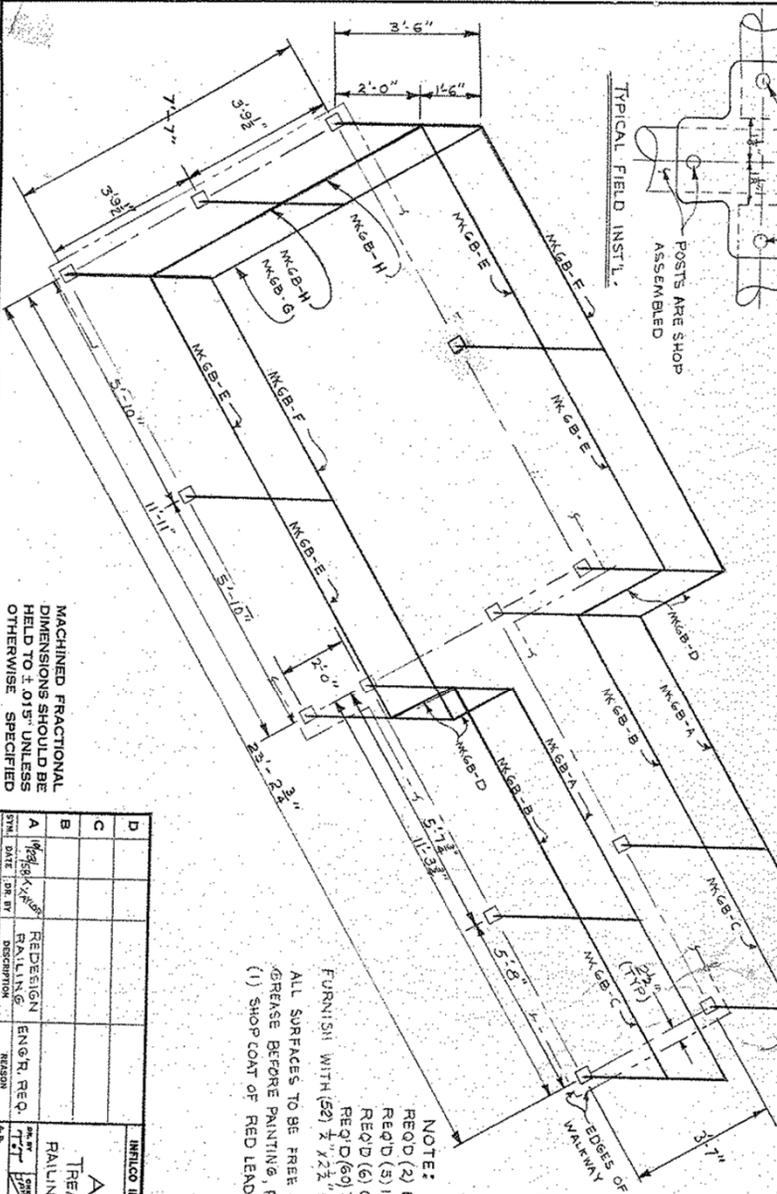
SYN	DATE	DR. BY	DESCRIPTION	REASON	DR. BY	CHE. BY	APP. BY	DATE	SCALE
A	3/20/58	FET	GENERAL REVISION	CHECKING	SG	FE	WY	1/21/58	1/4" = 1"
REVISIONS									

X28-1016-3

DIMENSIONS UNDERLINE, ALL OUT OF SCALE



FIELD DRILL PIPES, BOTH SIDES TO MATCH POSTS & INSTALL $\frac{1}{2}$ " RIVETS.



1 1/2" PIPES PLAIN SPENDS	PK NO.	QTY	LENGTH
"-A	(2)	11'-1 1/2"	
"-B	(2)	5'-2 1/2"	
"-C	(2)	5'-5 1/2"	
"-D	(4)	11'-9 1/2"	
"-E	(4)	5'-7 1/2"	
"-F	(2)	11'-0 1/2"	
"-G	(1)	7'-4 1/2"	
"-H	(2)	3'-7 1/2"	

NOTE:
 REQ'D (2) END POSTS - A26238-1
 REQ'D (5) INTERMEDIATE POSTS - A26238-2
 REQ'D (6) CORNER POSTS - A26238-3
 REQ'D (60) $\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{16}$ " RA. ST. RIVETS
 FURNISH WITH (2) $\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{16}$ " RA. ST. NUTS
 ALL SURFACES TO BE FREE OF RUST, DIRT &
 GREASE BEFORE PAINTING. PAINT ALL OVER
 (1) SHOP COAT OF RED LEAD & OIL.

MACHINED FRACTIONAL DIMENSIONS SHOULD BE HELD TO ± 0.015 UNLESS OTHERWISE SPECIFIED

REV.	DATE	BY	REVISION	REASON	APP.	DATE	BY	REVISION	REASON
A	10/28/68	REDESIGN	RAILING	ENGR. REQ.					
B									
C									
D									

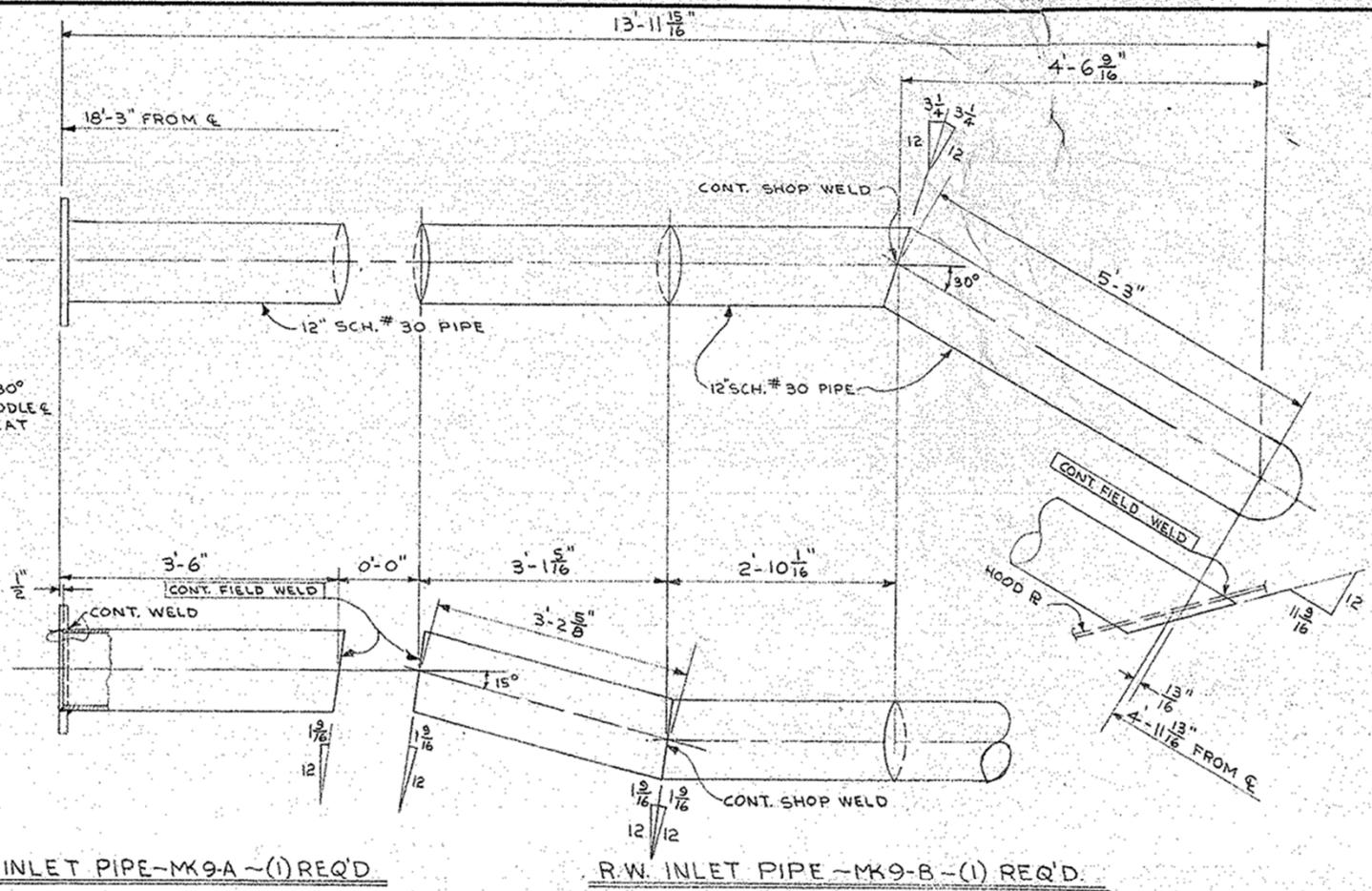
DIMENSIONS UNDERLINED ARE OUT OF SCALE



ACCELERATOR TREATING PLANT RAILING DETAILS

X28-1016-6B

19" O.D. x 12¹³/₁₆" I.D. x 1" R.
 (12) 1" Ø HOLES SPACED @ 30°
 ON 17" B.C. HOLES TO STRADDLE C
 FACE OF FLANGE MUST BE FLAT
 WITHIN ± 1/8"

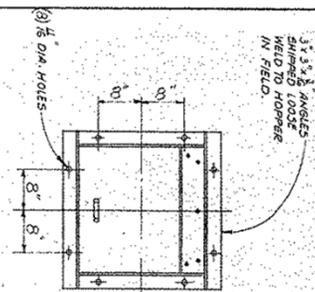


ALL SURFACES TO BE FREE OF RUST,
 DIRT AND GREASE BEFORE PAINTING.
 PAINT ALL OVER ONE (1) SHOP COAT OF
 BITUMASTIC PRIMER SOLUTION #2 TO
 WITHIN 3' OF FIELD WELDS.

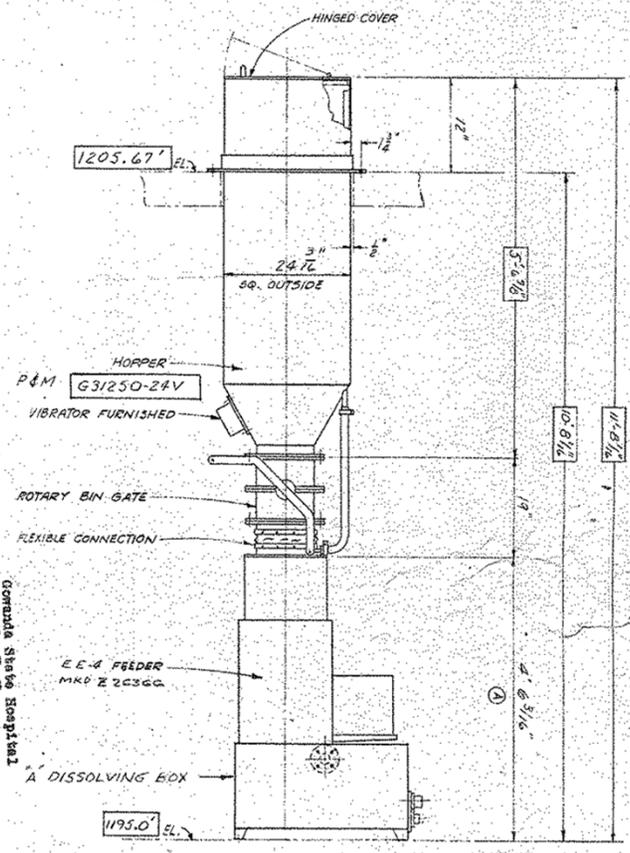
~~MACHINED FRACTIONAL
 DIMENSIONS SHOULD BE
 HELD TO ± 0.15" UNLESS
 OTHERWISE SPECIFIED~~

D					INFILCO INC.  TUCSON, ARIZ.	
C					ACCELATOR	
B					TREATING PLANT	
A					R.W. INLET PIPE DETAIL	
DR. BY	CHK. BY	APP. BY	DATE	SCALE		
L.W.J.	M.E.S.	WPC	9-2-58	7/16		
REVISIONS					X28-1016-9	

DIMENSIONS UNDERLINED ARE OUT OF SCALE



PLAN



ELEVATION

NOTE: ENTIRE WEIGHT OF EXTENSION HOPPER & BIN GATE TO BE SUPPORTED INDEPENDENT OF THE FEEDER APPROX. WEIGHT = 1825 LBS. FOR HYDRATED LIME & PULVERIZED LIMESTONE

MACHINED FRACTIONAL DIMENSIONS SHOULD BE HELD TO .015 UNLESS OTHERWISE SPECIFIED

REV.	DATE	BY	DESCRIPTION	REVISIONS	CONNECTION	DATE	BY	DESCRIPTION
A	2-28	TMB	W/S 4" DIA. HOLES					
B								
C								
D								

DIMENSIONS UNLESS NOTED ARE OUT OF SCALE

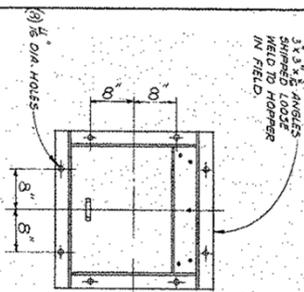
General States Hospital
 Bethesda, Md.
 Your Order No. 35
 INFILCO INC. Order 28-1016



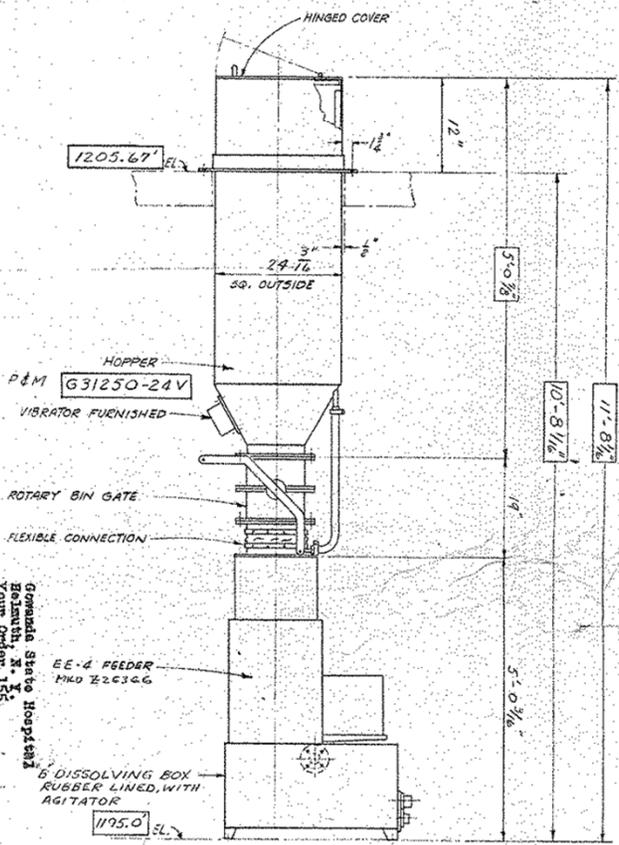
D. C. NO.	DATE

TYPE E DRY CHEMICAL FEEDER
 W/ EXT HOPPER & GATE
 LAYOUT

X28-1016-11



PLAN



ELEVATION

NOTE: ENTIRE WEIGHT OF EXTENSION HOPPER & BIN GATE TO BE SUPPORTED INDEPENDENT OF THE FEEDER. APPROX. WEIGHT = 1700 LBS. FOR INDICATED LIME, PULVERIZED LIME - STONE, SODA ASH OR ALUM.

MACHINED FRACTIOMAL DIMENSIONS SHOULD BE HELD TO .005 TOL. UNLESS OTHERWISE SPECIFIED

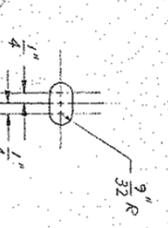
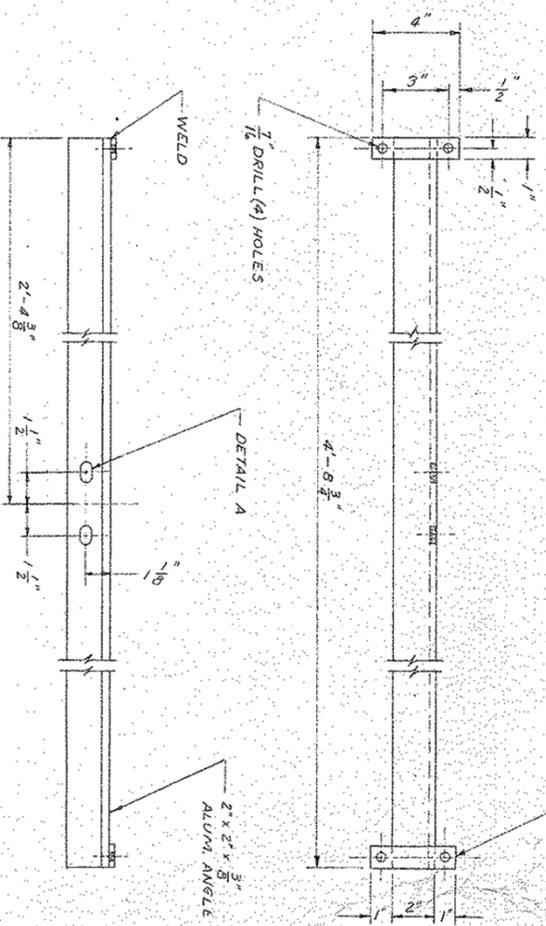
Gomanda State Hospital
 Balanthy, N. Y.
 Your Order 155
 IMP1100 INC. Order 28-1016

REV.	DATE	DR. BY	DESCRIPTION	REASON
A				
B				
C				
D				

12X31559
 IMP1100 INC.  D.C. GATE
 TUCSON, ARIZ.

TYPE E DRY CHEMICAL FEEDER
 W/ EXT. HOPPER & GATE
 LAYOUT

DATE: 7/11/58
 DRAWN BY: W.C.
 CHECKED BY: W.C.
 X28-1016-12



M.K. 14-A
(3) REED.

DETAIL A
SCALE: 6" = 1'-0"

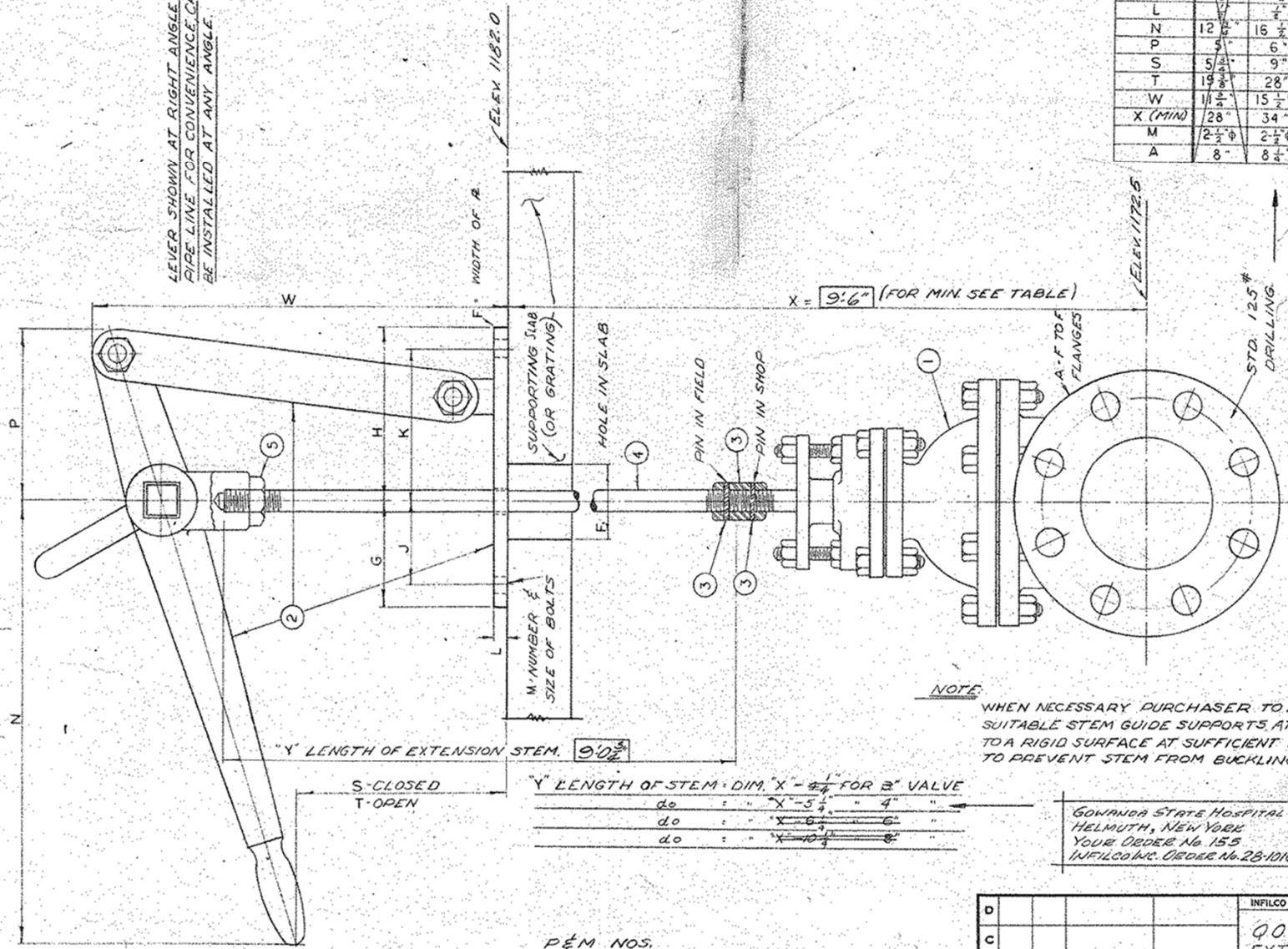
MACHINED FRACTIONAL
DIMENSIONS SHOULD BE
HELD TO ±.015" UNLESS
OTHERWISE SPECIFIED

REV.	DATE	DR. BY	DESCRIPTION	REASON
D				
C				
B				
A				

INTELCO INC.  TUCSON, ARIZ.	PALMER AGITATOR BRACKET	SHEET NO. 0000000000 OF 0000000000	DATE 2/7/58 TIME 3 1/2 Hrs.
STA. 00 DATE 2/8/10/13	SCALE X28-1016-14		

DIMENSIONS UNDERLINED ARE OUT OF SCALE

LEVER SHOWN AT RIGHT ANGLE TO PIPE LINE FOR CONVENIENCE CAN BE INSTALLED AT ANY ANGLE.



VALVE A/D.	NO. 12.2	NO. 002	NO. 002	NO. 002.1
F	2"	2 1/2"	2 1/2"	3"
F.	2"	2 1/2"	2 1/2"	3"
G	3"	3"	4"	4"
H	5"	6 1/2"	7 1/8"	9"
J	2 3/8"	2 3/8"	3 1/8"	3 3/8"
K	4 1/8"	5 1/2"	7 1/8"	8 1/8"
L				
N	12 1/2"	16 1/2"	16 1/2"	22 1/2"
P	5"	6"	5 1/2"	8 1/2"
S	5 1/4"	9"	7 1/2"	7"
T	19 1/8"	28"	35 1/2"	42"
W	11 1/2"	15 1/2"	18"	21 1/2"
X (MIN)	28"	34"	40"	46"
M	2 1/2" φ	2 1/2" φ	2 3/8" φ	2 3/8" φ
A	8"	8 1/4"	8 3/4"	9 1/4"

NOTE: WHEN NECESSARY PURCHASER TO PROVIDE SUITABLE STEM GUIDE SUPPORTS ATTACHED TO A RIGID SURFACE AT SUFFICIENT DISTANCES TO PREVENT STEM FROM BUCKLING.

Y" LENGTH OF EXTENSION STEM. 9'0 1/2"

Y" LENGTH OF STEM DIM. X - 3/4" FOR 2" VALVE

do	"	X - 5/8"	"	4"
do	"	X - 6/8"	"	6"
do	"	X - 10/8"	"	8"

GOWANDA STATE HOSPITAL
HELMUTH, NEW YORK
YOUR ORDER No 155
INFILCO INC. ORDER No. 28-1016

P&E M NOS.

2" VALVE	G-27751-3
4"	G-27751-4
6"	G-27751-6
8"	G-27751-8

D. C. DATE

INFILCO INC. TUCSON, ARIZ.

90° GATE VALVE & EXTENSION STEM ASSEMBLY

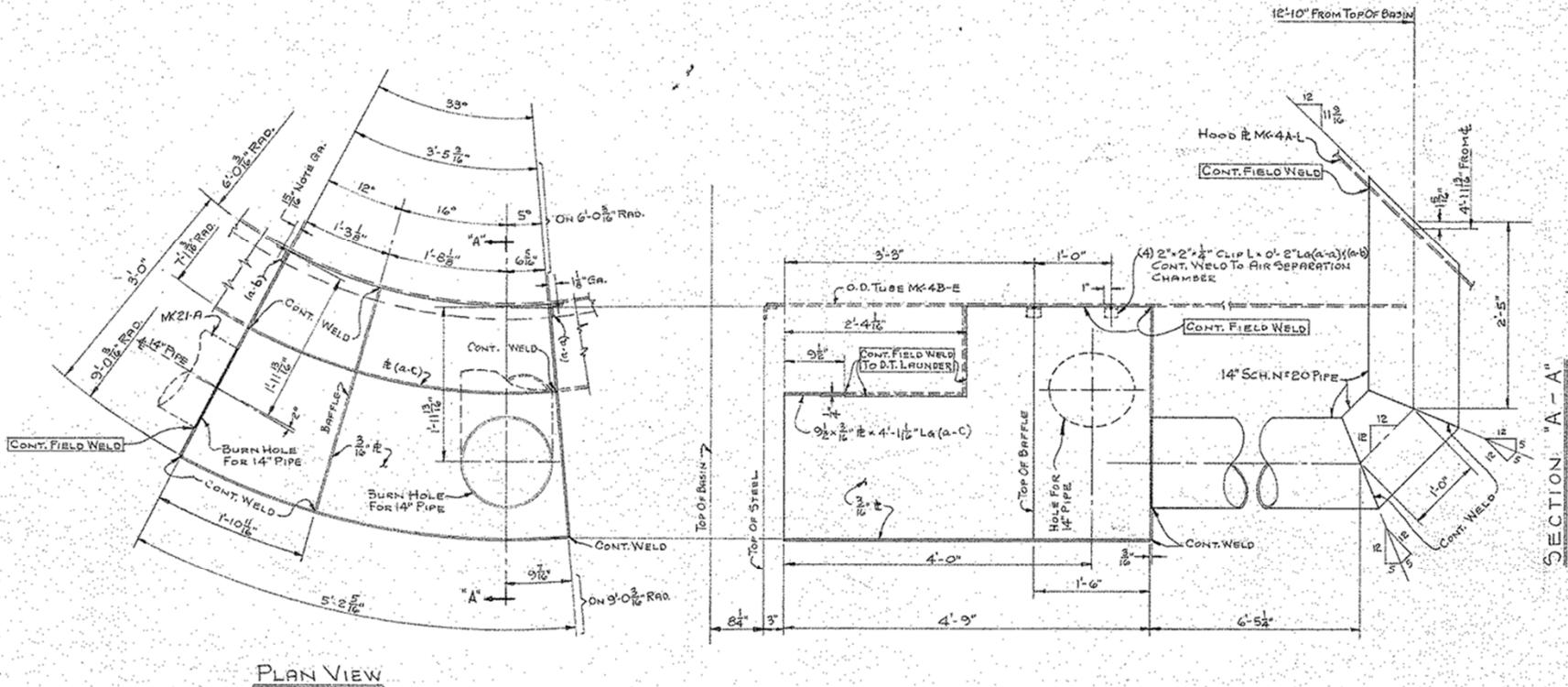
DR. BY	CHK. BY	APP. BY	DATE	SCALE
			7/23/60	1/4" = 1"
SYN.	DATE	DR. BY	DESCRIPTION	REASON

REVISIONS

Y28-1016-10

DIMENSIONS UNDERLINED ARE OUT OF SCALE

V.D. FROM 27751



PLAN VIEW

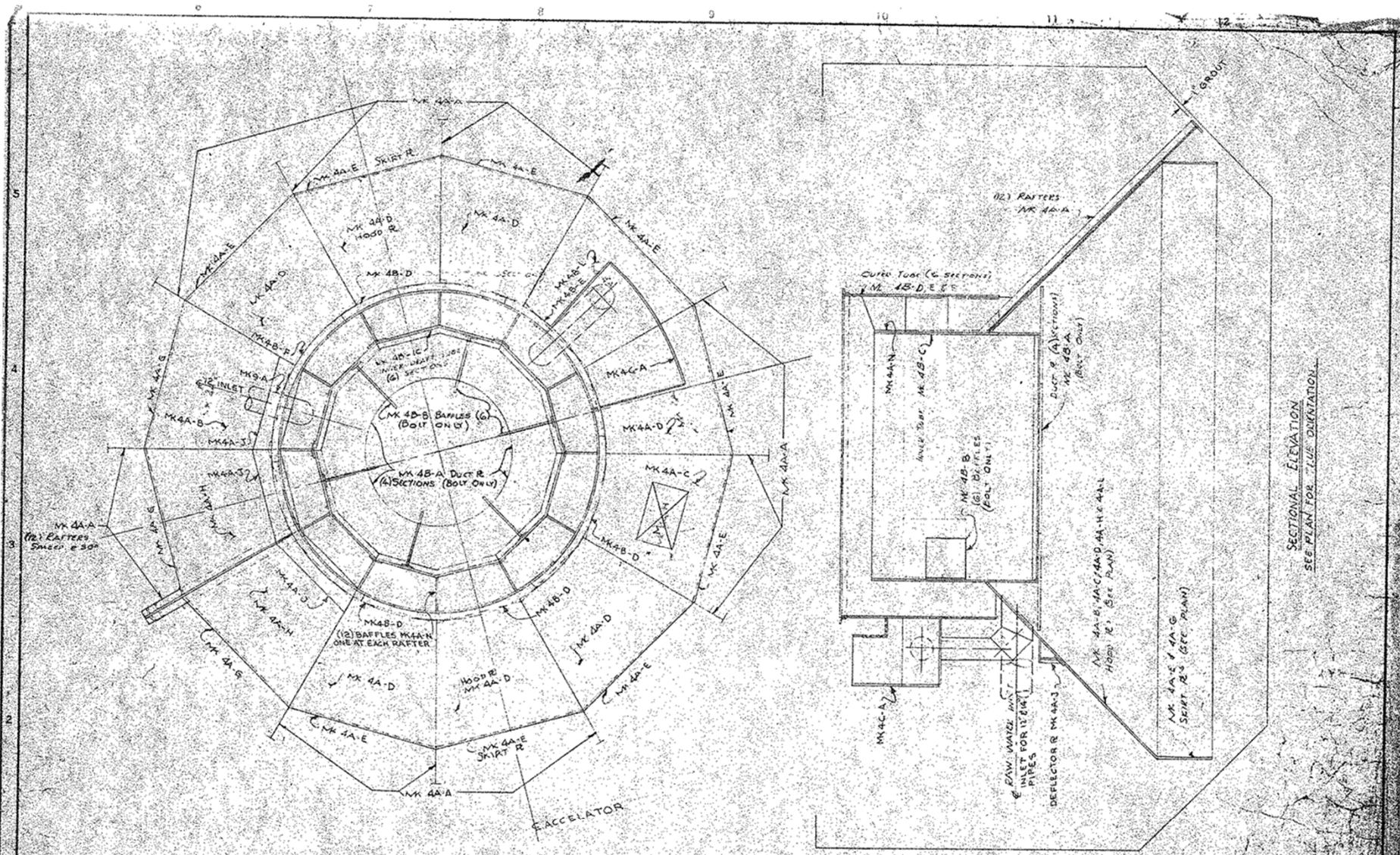
AIR SEPARATION CHAMBER MK-4C-A-(1)REQD

$\frac{11}{16}$ " DIA. HOLES UNLESS OTHERWISE NOTED
 ALL SURFACES TO BE FREE OF RUST, DIRT AND GREASE BEFORE PAINTING. PAINT ALL OVER (1) ONE SHOP COAT OF BITUMASTIC PRIMER SOLUTION #2, TO WITHIN 3" OF FIELD WELDS.

MACHINED FRACTIONAL DIMENSIONS SHOULD BE HELD TO .015 UNLESS OTHERWISE SPECIFIED

					INFILCO INC.  TUCSON, ARIZ.	
					ACCELERATOR	
					TREATING PLANT	
					AIR SEPARATION CHAMBER DETAILS	
DR. BY	DATE	DR. BY	DATE	APPR. BY	DATE	SCALE
DC		DC	8-28-58	VRC	7/14	
REVISIONS					Y28-1016-4C	

DIMENSIONS UNDERLINED ARE OUT OF SCALE



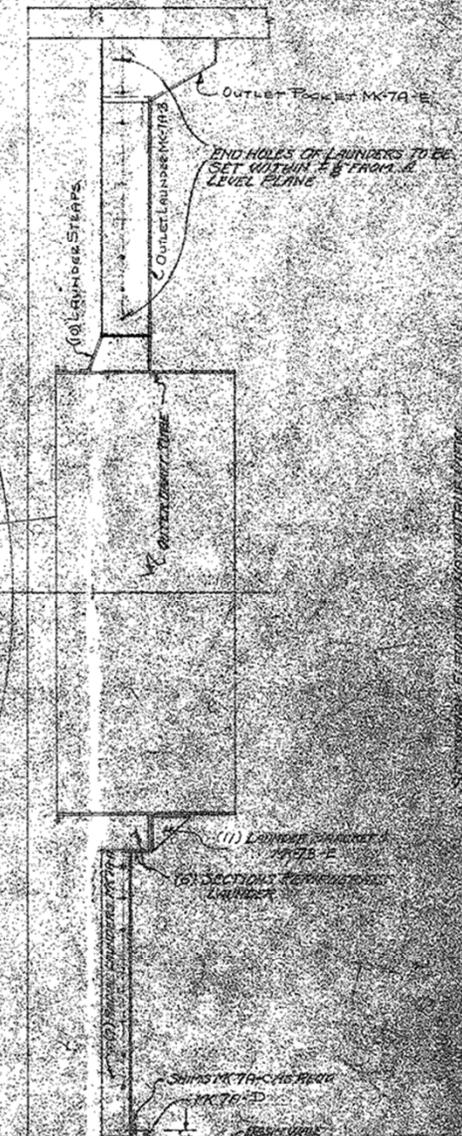
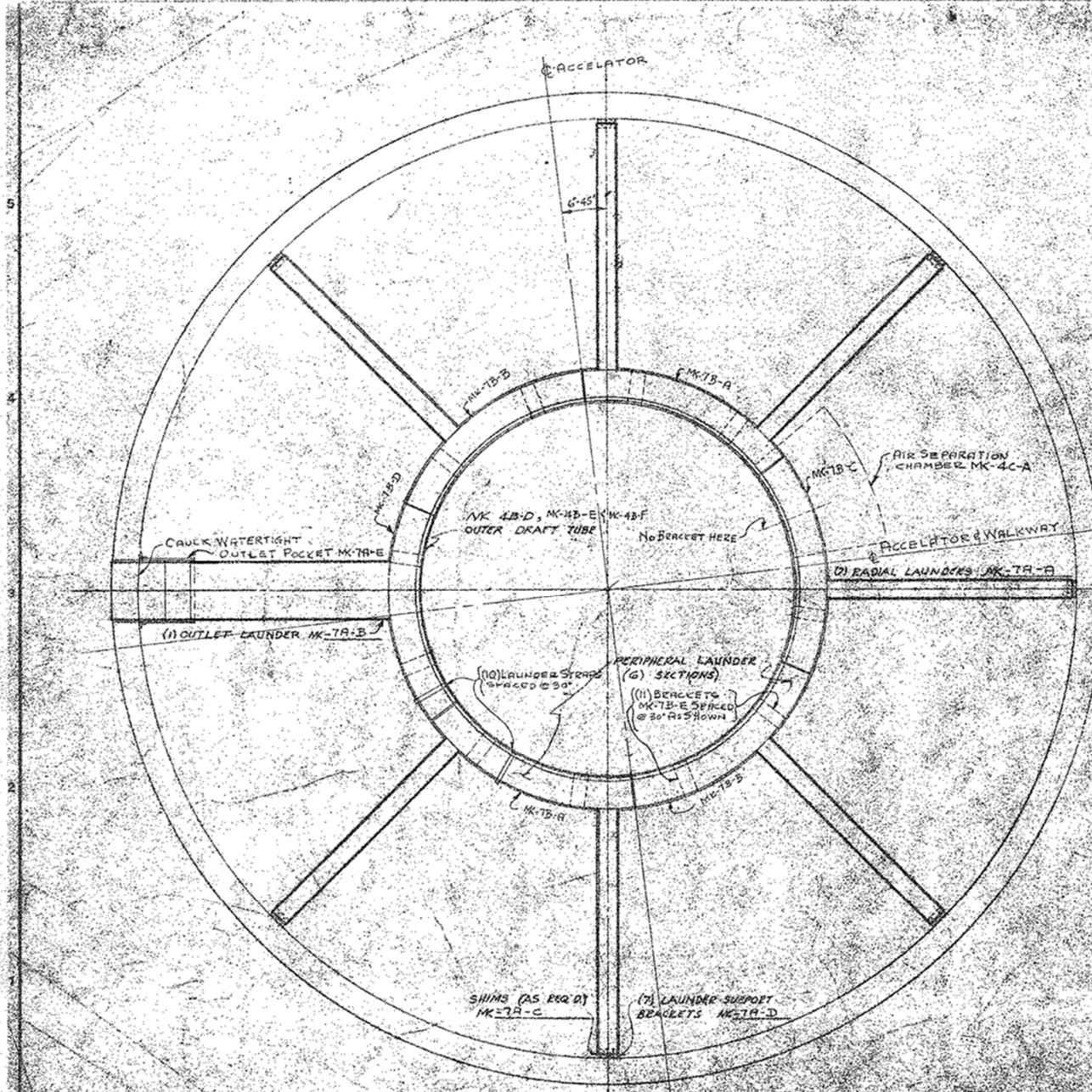
PLAN

SECTIONAL ELEVATION
SEE PLAN FOR TALE ORIENTATION

FOR CONCENTRATOR ERECTION DIAGRAM SEE DWG NO. Y2B-1016-5A
FOR LAUNDRY ERECTION DIAGRAM SEE DWG NO. Y2B-1016-7C

ALTERATIONS			REVISIONS			INFILCO, INC.	
REV.	DATE	BY	REV.	DATE	BY	G. P. M.	
A						STEEL ERECTION DIAGRAM	
B						DRAWN BY: L. J. JONES	
C						CHECKED BY: J. B. JONES	
D						DATE: 12-28-54	
E						DWG. NO. Y2B-1016-4D	
F							

Y-2B-1016-4D



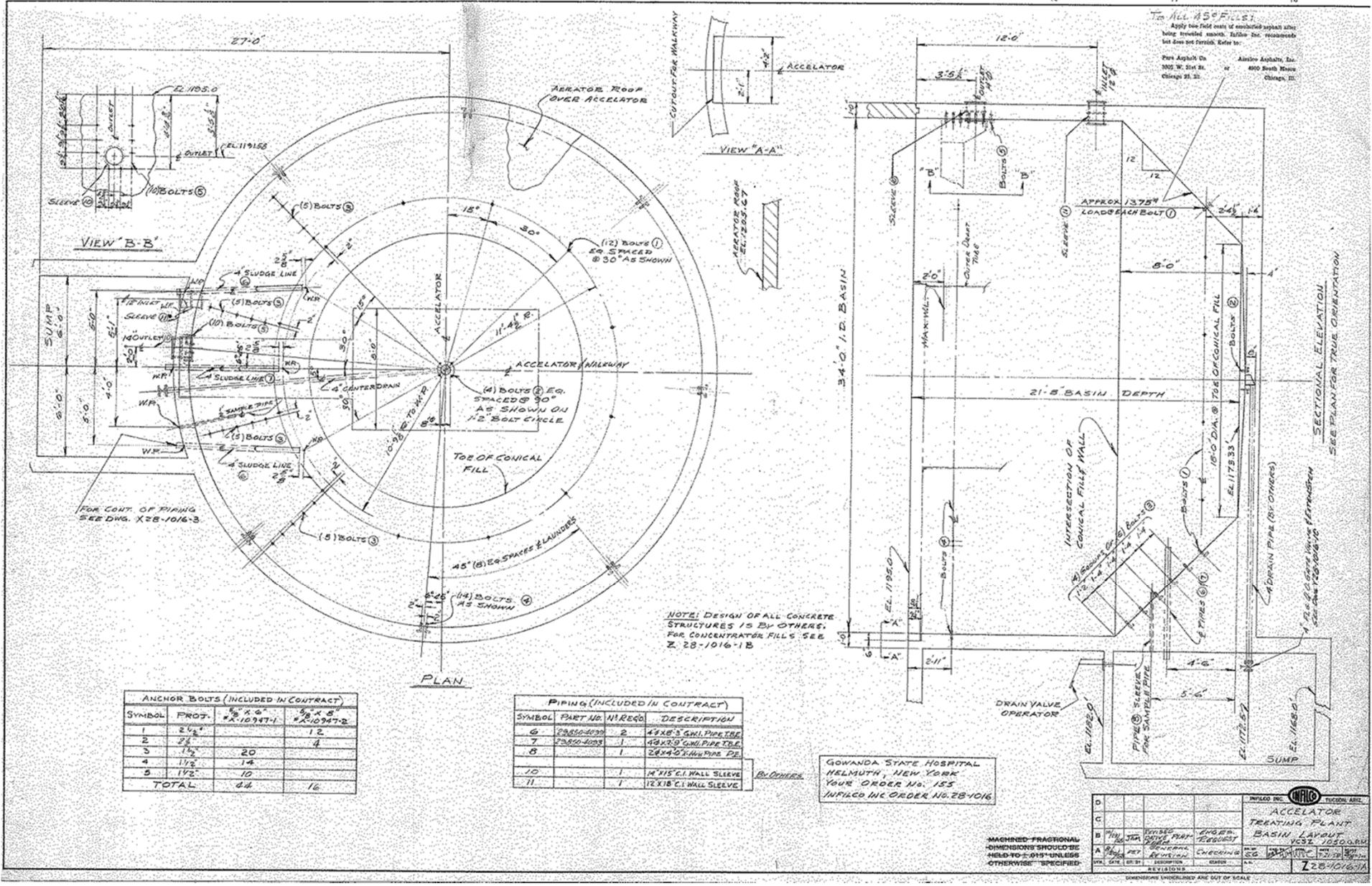
SECTIONAL ELEVATION FROM ANTWERP VIEW

ALTERATIONS	REVISIONS	INDICATED	DATE	BY	CHKD
A					
B					
C					
D					
E					
F					

LAUNDRY PREP

DATE: 8-27-58

Y28-1016-7C



ALL AS FOLLOWS:
 Apply the first cost of materials specified when being traveled across. Further see requirements but does not restrict. Refer to:
 Pure Asphalt Co. 300 W. 31st St. Chicago 23, Ill.
 American Asphalt, Inc. 4000 South Waukegan Chicago, Ill.

NOTE: DESIGN OF ALL CONCRETE STRUCTURES IS BY OTHERS. FOR CONCENTRATOR FILLS SEE Z. 28-1016-1B

ANCHOR BOLTS (INCLUDED IN CONTRACT)			
SYMBOL	PROT.	6" x 6"	8" x 8"
		#A10974-1	#A10974-2
1	2 1/2"		12
2	2 1/2"		4
3	1 1/2"	20	
4	1 1/2"	14	
5	1 1/2"	10	
TOTAL		64	16

PIPING (INCLUDED IN CONTRACT)		
SYMBOL	PART NO. IN REGD.	DESCRIPTION
6	28450-4033	2 48X3.0 GALV PIPE TBL
7	28450-4038	1 48X3.0 GALV PIPE TBL
8		1 28X4.0 GALV PIPE DE
10		1 4" X 1/2" C.I. WALL SLEEVE
11		1 12" X 1/2" C.I. WALL SLEEVE

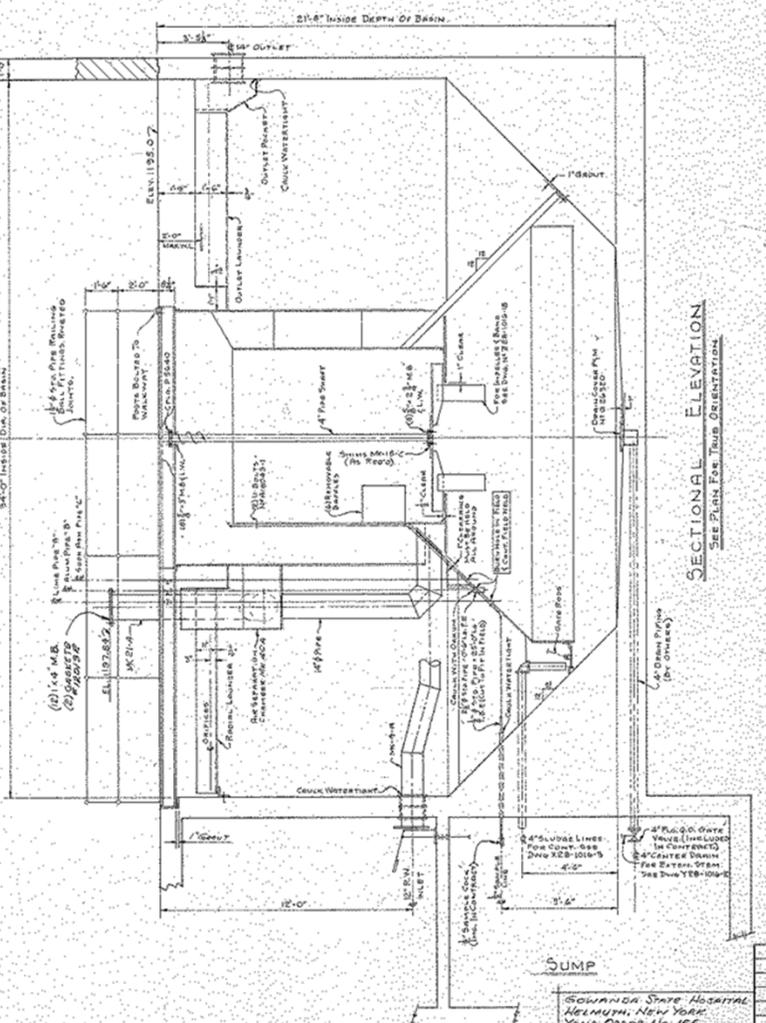
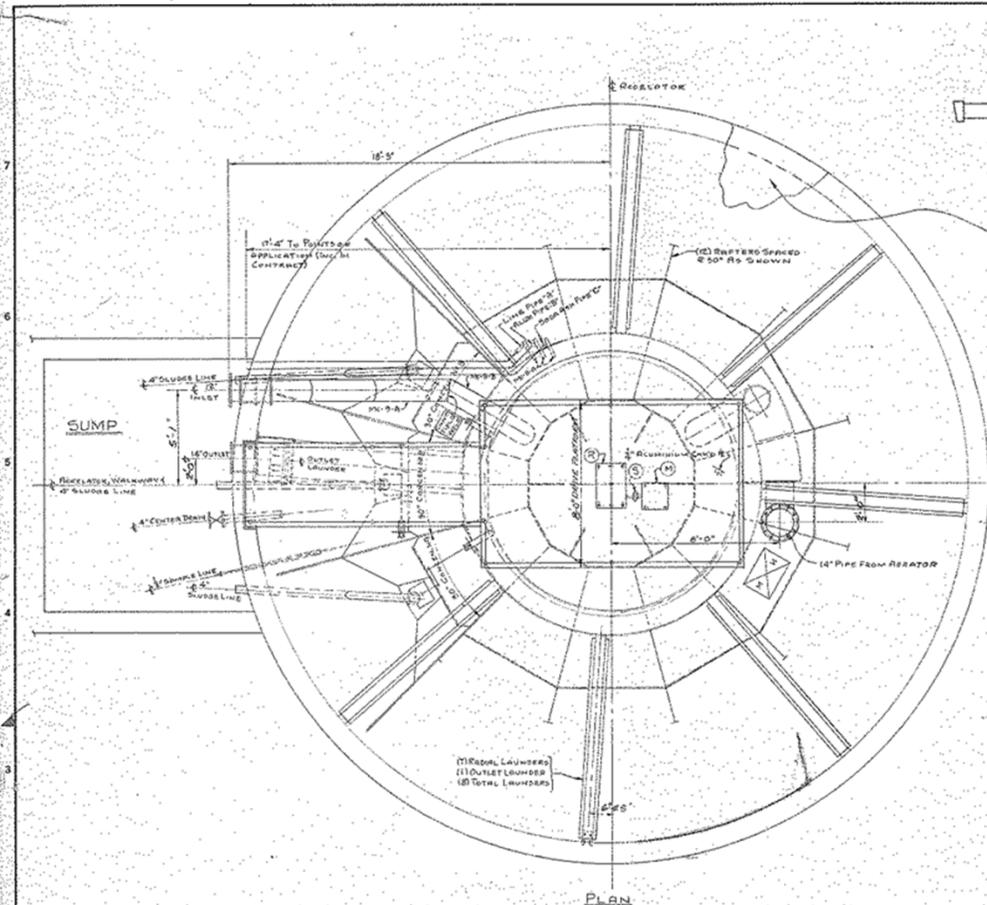
GOWANDA STATE HOSPITAL
 HELMUTH, NEW YORK
 YOUR ORDER NO. 155
 INFILCO INC. ORDER NO. 28-1016

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1			
2			
3			
4			

FILED IN: INFILCO TUCSON, ARIZ.
 ACCELERATOR TREATING PLANT BASIN LAYOUT
 VCSZ 1050.000
 DATE: 12/15/58
 DRAWN: [Signature]
 CHECKED: [Signature]
 APPROVED: [Signature]
 28-1016-1A

MACHINED-FRACTIONAL DIMENSIONS UNLESS HELD TO ±.015" UNLESS OTHERWISE SPECIFIED

CONSTRUCTION UNLESS OTHERWISE SHOWN



- DRIVE EQUIPMENT (INCLUDED IN CONTRACT)**
- (M) 1/2 HP U.S. Variable (3/4" Vee) Type VEVOB Frame N15-215-30 Assm N11B CURRENT COP-40-5 (A) 3/4" M.B.C.L.W.
 - (S) SHUREFLEX COUPLING TYPE-K" 5/8" N11
 - (N) 1/2 HP VT PULLEY REDUCER - R.H. ASSEM. (B) 3/4" M.B.C.L.W.

- CHEMICAL PIPING (INCLUDED IN CONTRACT)**
- | LINE PIPE "A" | ALUM PIPE "B" | SOOD RAK PIPE "C" |
|---|--|--|
| (1) 1/2" SOD PIPE - 5'-0" L.A.T.B.E. ✓ | (1) 1/2" PVC PIPE - 5'-0" L.A.T.B.E. ✓ | (1) 1/2" SOD PIPE - 0'-0" L.A.T.B.E. (VEVOB) ✓ |
| (1) 1/2" SOD PIPE - 15'-0" L.A.T.B.E. ✓ | (1) 1/2" PVC PIPE - 15'-0" L.A.T.B.E. ✓ | (1) 1/2" SOD PIPE - 14'-0" L.A.T.B.E. ✓ |
| (1) 1/2" SOD PIPE - 0'-2 1/2" L.A.T.B.E. ✓ | (1) 1/2" PVC PIPE - 0'-2 1/2" L.A.T.B.E. ✓ | (1) 1/2" SOD PIPE - 1'-8 1/2" L.A.T.B.E. ✓ |
| (1) 1/2" SOD PIPE - 12'-0 1/2" L.A.T.B.E. ✓ | (1) 1/2" PVC PIPE - 12'-0 1/2" L.A.T.B.E. ✓ | (1) 1/2" SOD PIPE - 12'-10 1/2" L.A.T.B.E. ✓ |
| (1) 1/2" C.I. CROSS ✓ | (1) 1/2" PVC TEE ✓ | (1) 1/2" C.I. TEE ✓ |
| (1) 1/2" PIPE FLANG ✓ | (1) 1/2" 45° ELL ✓ | (1) 1/2" 45° ELL ✓ |
| (1) 1/2" 45° ELL ✓ | (1) 1/2" U-BOLT N1A-18043-5 ✓ | (1) U-BOLT N1A-18043-5 ✓ |
| (1) 1/2" U-BOLT N1A-18043-5 ✓ | (1) 2 OZ. JAR OF CRODAN CHEMICAL TUBING SEALING COMPOUND | |

FOR BASIN LAYOUT SEE DWG Z28-1016-1A
FOR CONCENTRATOR FILLS SEE DWG Z28-1016-1B

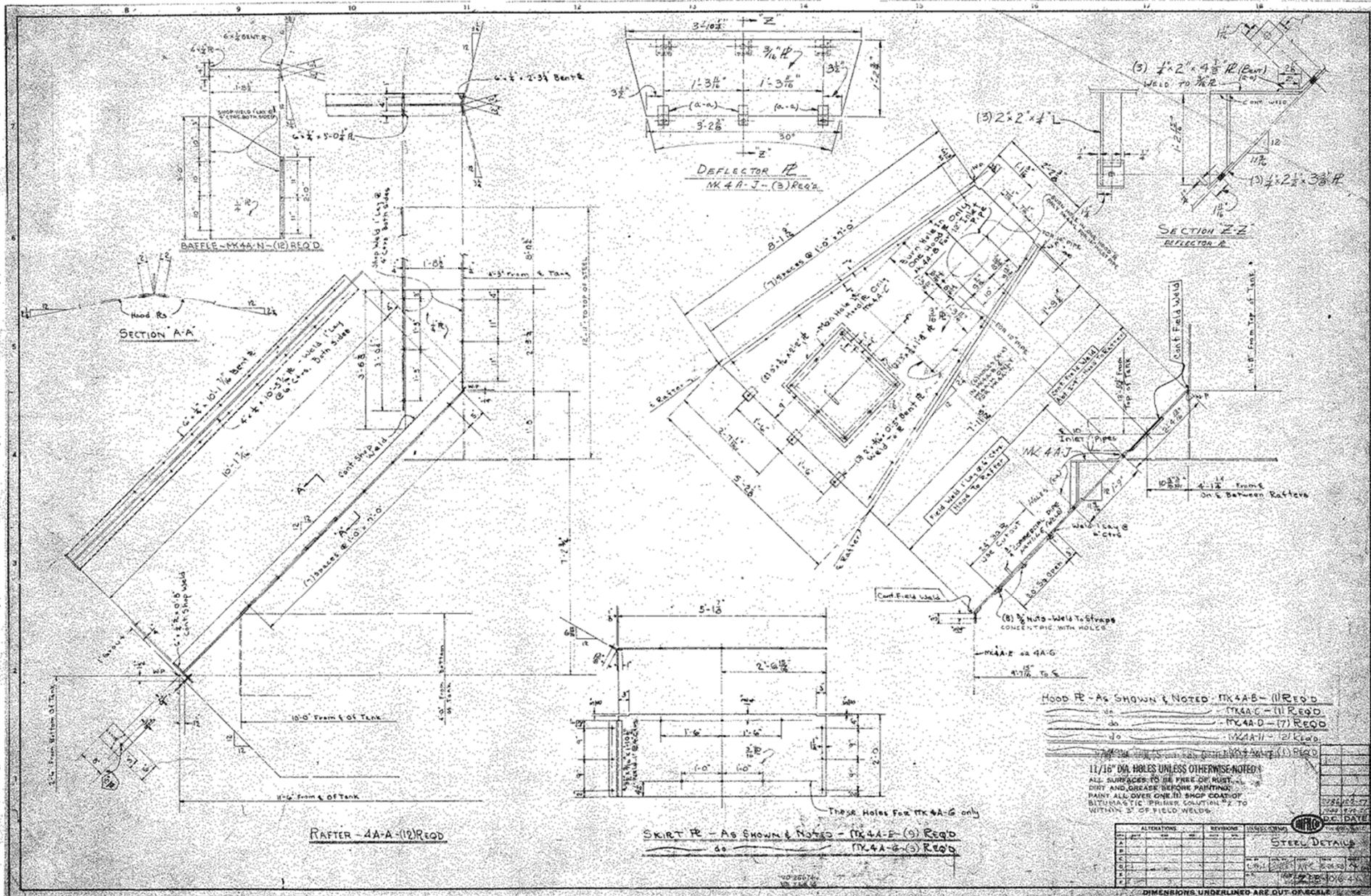
SUMP

ROWANDA STATE HOSPITAL
ALBANY, NEW YORK
YOUR ORDER NO. 105
INPLCO INC. ORDER NO. 28-1016

D		INPLCO INC. (MILCO)		D.C. DAY	
C		ACCELERATOR		TUCSON, ARIZ.	
B		TREATING PLANT			
A		LAYOUT		VC52 1050 027	
DATE	BY	REVISION	DATE	BY	REVISION
JAN 1952	JAN 1952	1	JAN 1952	JAN 1952	1
				Z28-1016-2	

MACHINED-FRACTIONAL DIMENSIONS SHOULD BE HELD TO ±.015" UNLESS OTHERWISE SPECIFIED

DIMENSIONS UNDERLINED ARE OUT OF SCALE



SECTION A-A

DEFLECTOR R
MK 4A-J-(3) REQ'd

SECTION Z-Z
DEFLECTOR R

RAFTER 4A-A-(12) REQ'D

SKIRT R - AS SHOWN & NOTED - MK 4A-F (5) REQ'D
do MK 4A-G (5) REQ'D

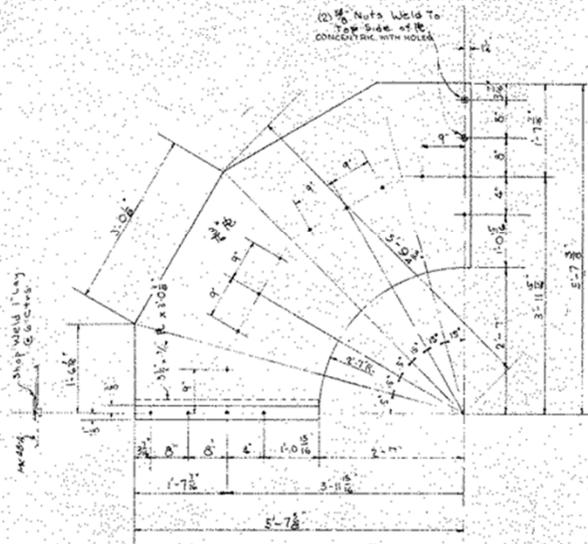
HOOD R - AS SHOWN & NOTED - MK 4A-B - (11) REQ'D
do MK 4A-C - (11) REQ'D
do MK 4A-D - (7) REQ'D
do MK 4A-E - (12) REQ'D

11/16" DIA HOLES UNLESS OTHERWISE NOTED
ALL SURFACES TO BE FREE OF RUST,
DIRT AND GREASE BEFORE PAINTING
PAINT ALL SURFACES ON II SHOP COAT OF
BITUMASTIC PRIMER SOLUTION #2
WITHIN 3" OF FIELD WELDS.

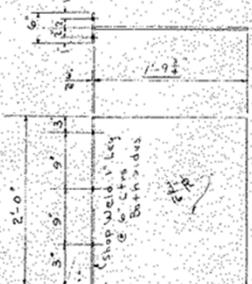
ALTERATIONS	REVISIONS		REVISIONS	DATE
	NO.	DATE		
1				
2				
3				
4				
5				

STEEL DETAILS

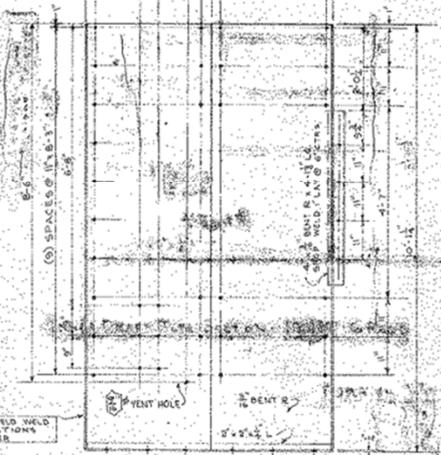
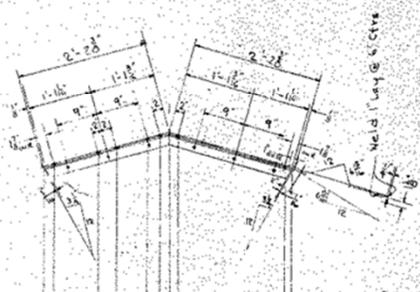
DIMENSIONS UNDERLINED ARE OUT OF SCALE



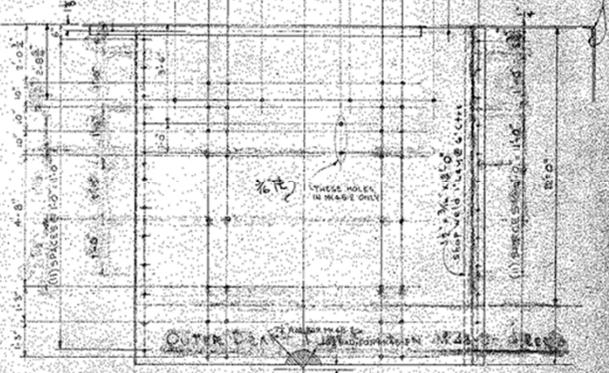
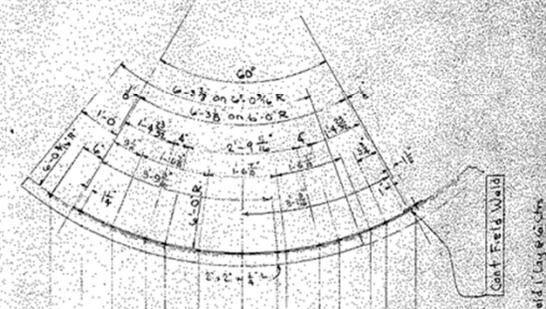
DUCT R - MK 4B-A (4) REQ'D



REMOVABLE BAFFLES - MK 4B-B (6) REQ'D



INNER DRAFT TUBE SECTION - MK 4B-C (6) REQ'D



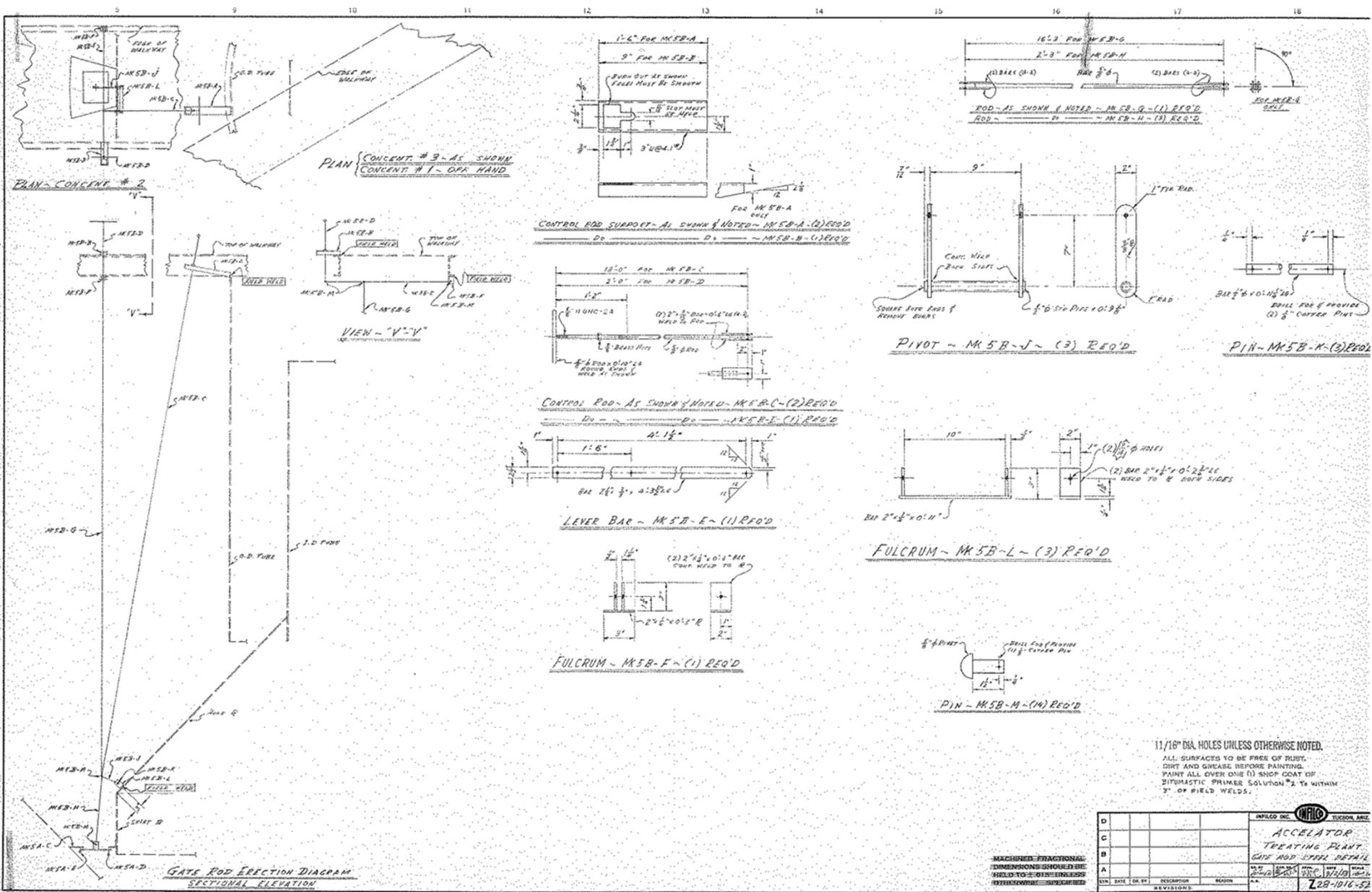
OUTER DRAFT TUBE SECTION - MK 4B-D (4) REQ'D

FURNISH WITH STEEL:
 (750) 1/2" M.B. & NUTS
 (150) 3/4" " " "
 (30) 1" " " "

1/16" DIA. HOLES UNLESS OTHERWISE NOTED.
 ALL SURFACES TO BE FREE OF RUST,
 DIRT AND GREASE BEFORE PAINTING.
 PAINT ALL OVER ONE (1) SHOP COAT OF
 BITUMASTIC PRIMER SOLUTION #2 TO WITHIN
 5' OF FIELD WELDS.

ALTERATIONS	REVISIONS	DATE	BY	CHKD

STEEL DETAILS

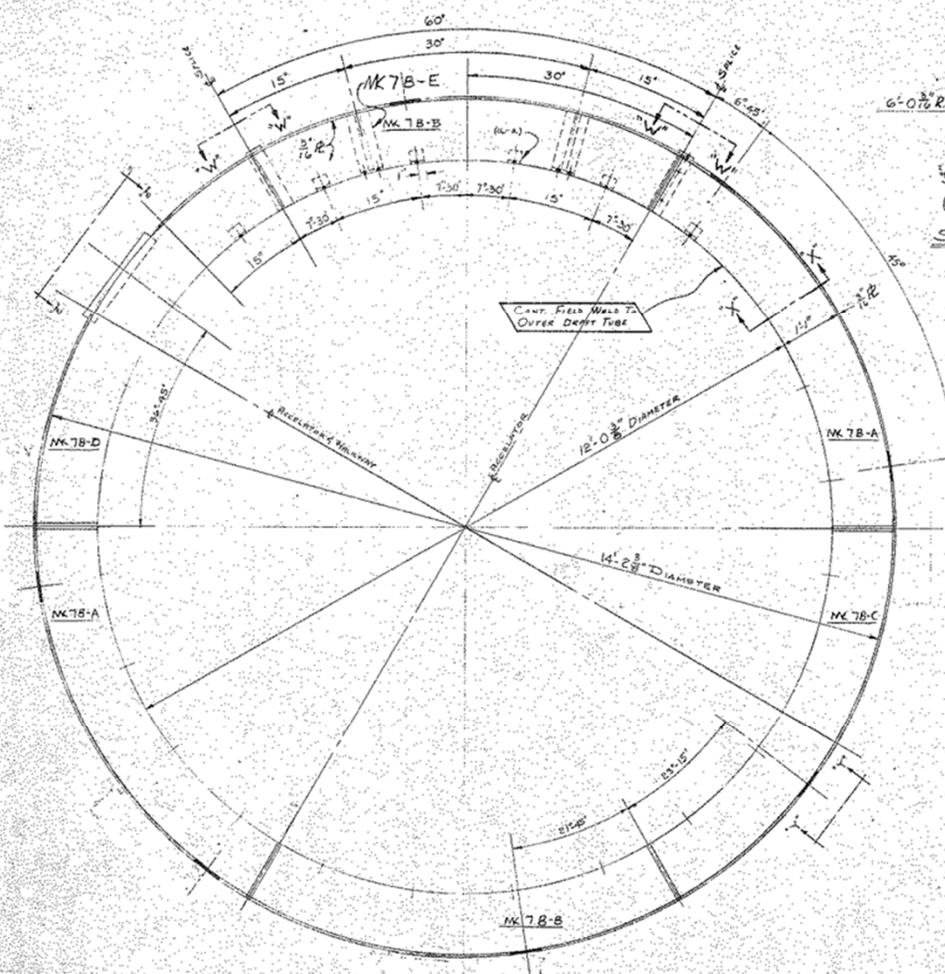


1/16" DIA. HOLES UNLESS OTHERWISE NOTED.
 ALL SURFACES TO BE FREE OF RUST, DIRT AND GREASE BEFORE PAINTING.
 PRIME ALL OVER (ONE (1) SHOP COAT OF BITUMASTIC PRIMER SOLUTION #2 TO WITHIN 3" OF FIELD WELDS.

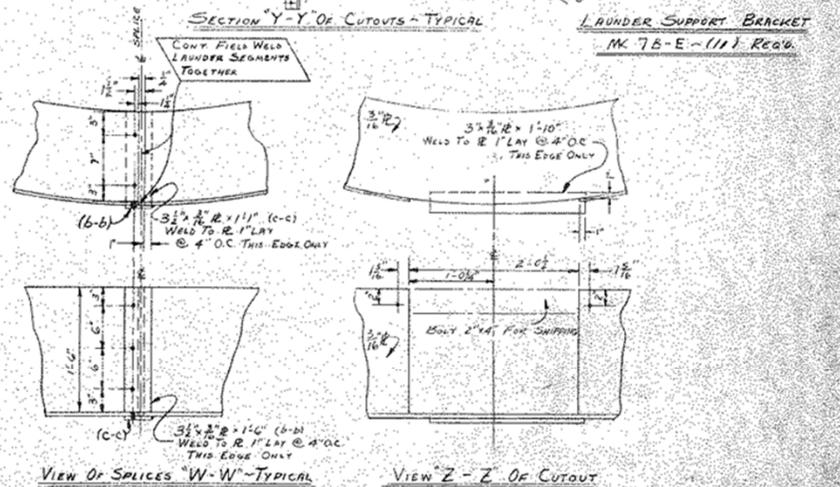
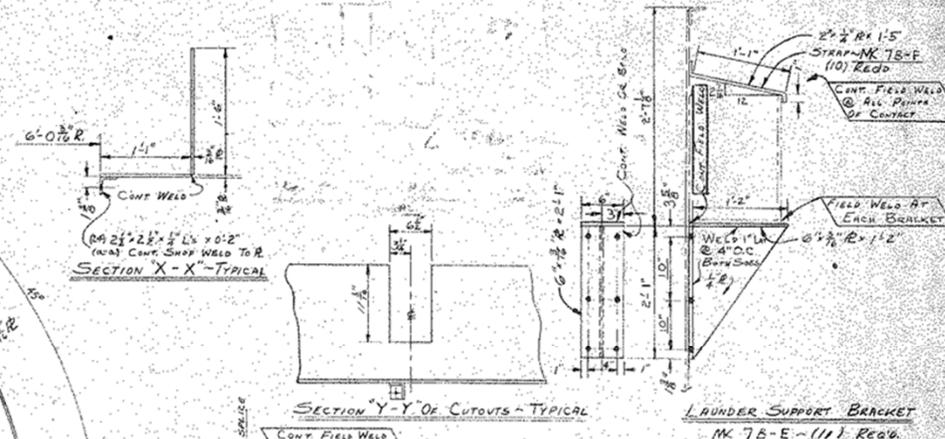
D		INFLCO INC. TUCSON, ARIZ.	
C		ACCELERATOR GATE ROD ERECTION GATE ROD ERECTION	
B			
A		DATE: 1/15/52 BY: [Signature]	
DATE	BY	DESCRIPTION	REASON
1/15/52	[Signature]	REVISION	22-1016-52

MACHINED FRACTIONAL DIMENSIONS SHOULD BE SHOWN TO 0.01" UNLESS OTHERWISE SPECIFIED

DIMENSIONS UNDERLINED ARE OUT OF SCALE



PLAN VIEW
 DRAFT TUBE LAUNDRER SECTION - MK 7B-A - (2) REQ'D
 - MK 7B-B - (3) REQ'D
 - MK 7B-C - (1) REQ'D
 - MK 7B-D - (1) REQ'D



NOTE:
 1/8\"/>

FOR LAUNDRER ERECTION DIAGRAM SEE Y28-1016-10

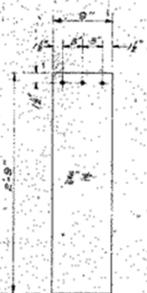
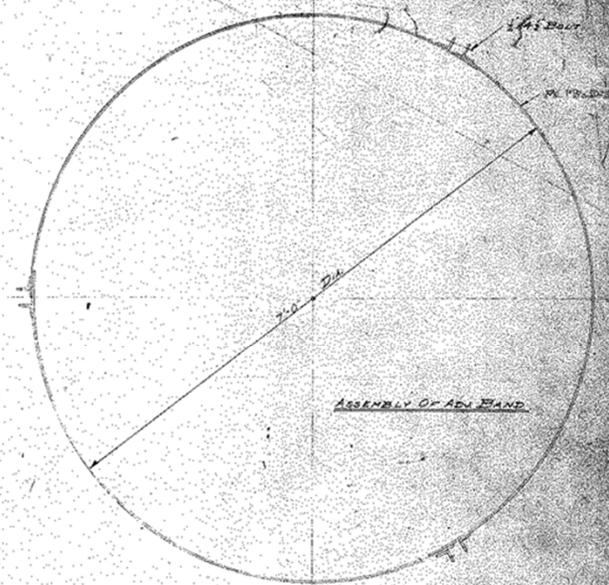
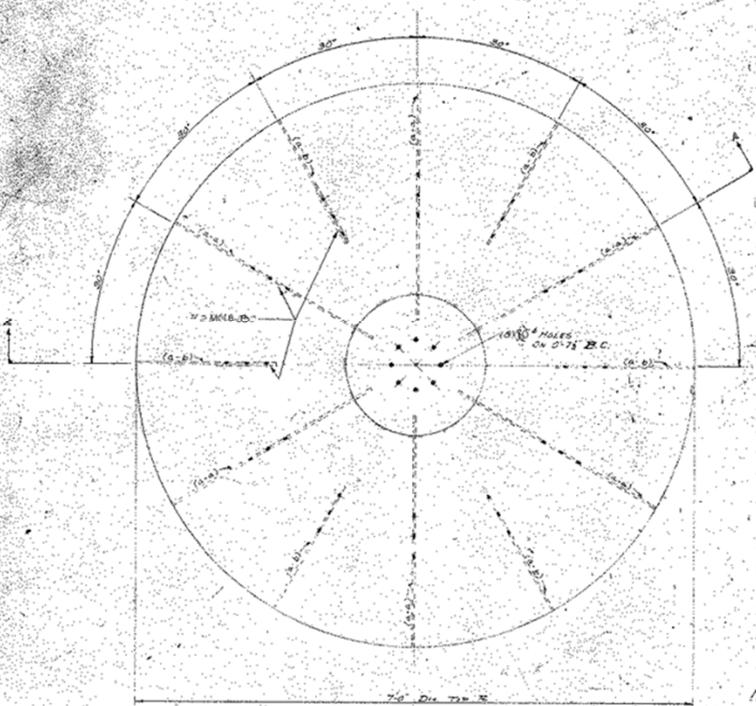
MACHINED-FRACTIONAL DIMENSIONS SHOULD BE HELD TO -0.004 UNLESS OTHERWISE SPECIFIED

D						DC DAT
C						THEORY FILE
B						
A						

ACCELERATOR TREATING PLANT
 DRAFT TUBE LAUNDRER DETAIL

DATE: 12-18-72
 DRAWN BY: J. S. ...
 CHECKED BY: ...
 228-1016-72

V.D. 31825



MAKE (12) ROTOR BLADES
MK18-B

MAKE (3) BAND SECTIONS - MK18-D

QUANTITIES SHOWN ARE FOR ONE IMPELLER

FABRICATOR FURNISH
(36) 1/2\"/>

11/16\"/>

ALL SURFACES TO BE FREE OF RUST, DIRT AND GREASE BEFORE PAINTING. THIS INCLUDES (1) ONE SHOP COAT OF BITUMASTIC PRIMER SOLUTION #1.

(12) 1/16\"/>

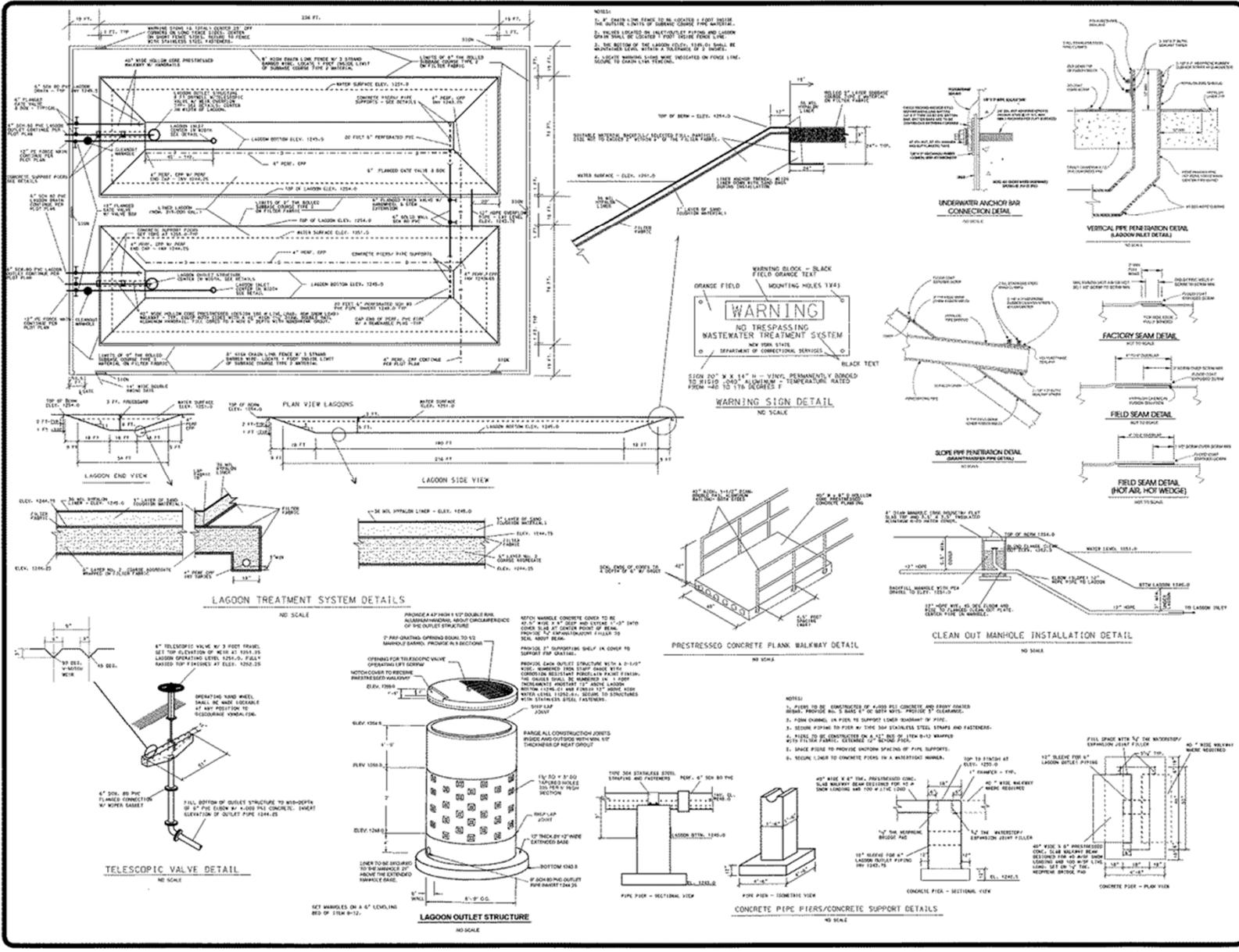
MAKE (3) SHIMS - MK18-C

MAKE ONE IMPELLER - MK18-A

REV	DESCRIPTION	BY	DATE
A			
B			
C			
D			

NOTOR TEL DEC
7-28-1016

VD126342



CLIENT:	DEPARTMENT OF CORRECTIONAL SERVICES
CONTRACT:	CONSTRUCTION
TITLE:	CONSTRUCT BACKWASH TREATMENT SYSTEM
LOCATION:	COLLINS CORRECTIONAL FACILITY COLLINS, NEW YORK
SHEET TITLE:	LAGOON DETAILS
DESIGNED BY:	DATE: 8/26/14
SCALE:	NO SCALE
DRAWN BY:	FIELD CHECK: APPROVED:
DATE:	8/26/14
PROJECT NUMBER:	DRAWING NUMBER:
41065-C	C-2
SHEET:	OF

