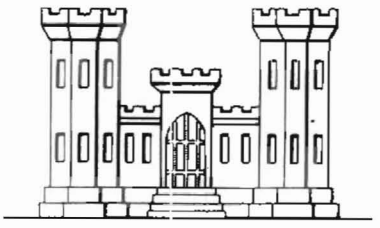
Montreal Plants Branch

# COMPLETION REPORT

## YOUNGSTOWN - NEW YORK

JANUARY 1, 1942 - MARCH 15, 1943



OFFICE OF THE AREA ENGINEER

APRIL 1, 1943

VOL. 2

RODUCED AT THE NATIONAL ARCHIVES

CONSTRUCTION DATA

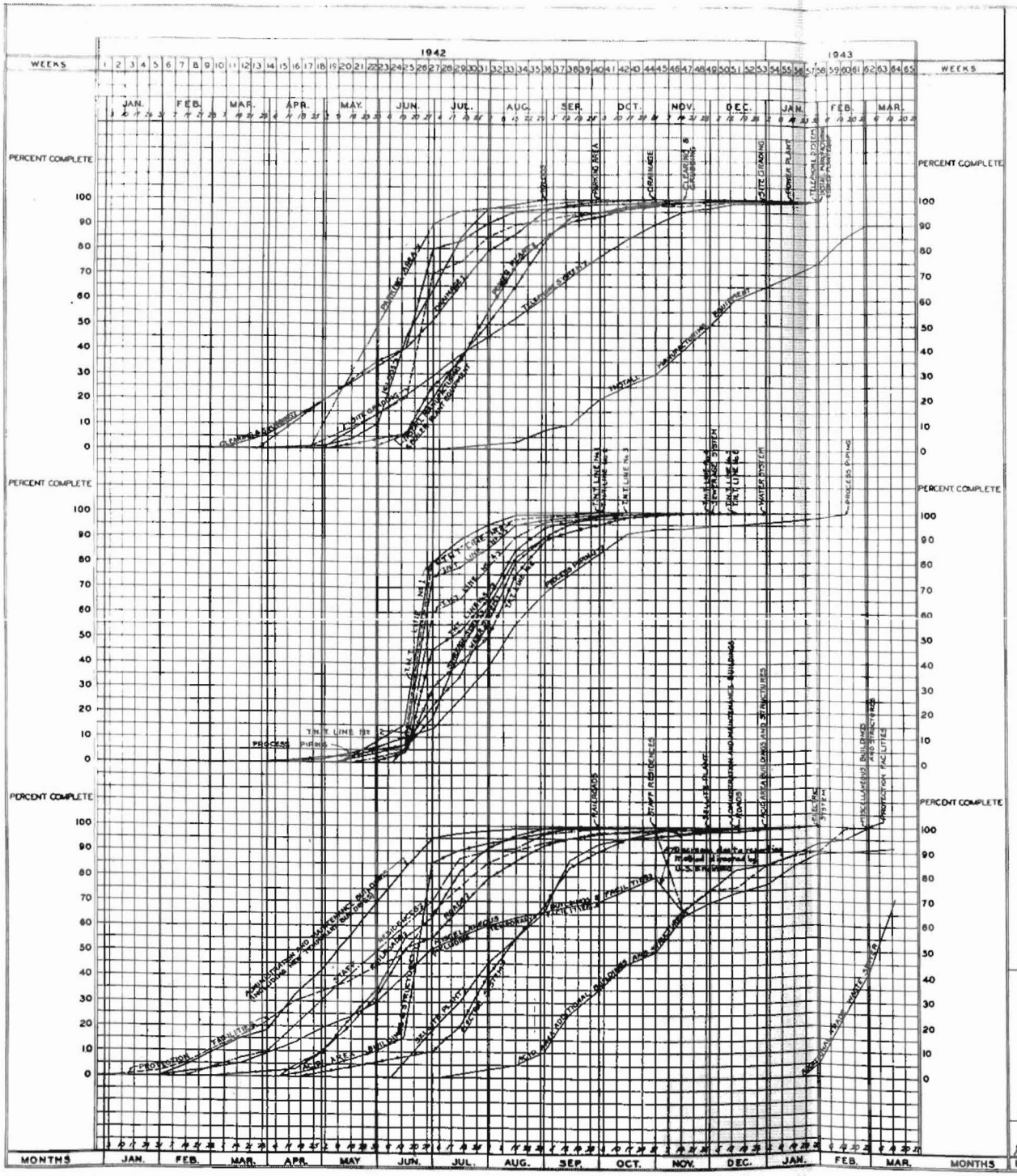
## TRANSFER OF NEW CONSTRUCTION

The list of O.C.E. Forms 290, 290 A and 290 B, "Transfer of New Construction" is given on pages 327 - 334, inclusive.

Under the main heading, "Transferred to Using Service", on pages 327 - 334, will be found the serial numbers of these transfers together with the dates.

One copy of each of these forms is on file in the Office of the Commanding Officer, Lake Ontario Ordnance Works.

Another copy of each of these forms is in the files of the Area Engineer, Lake Ontario Ordnance Works, stored in the Office of the District Engineer, U.S.A. Corps of Engineers, Buffalo, New York.



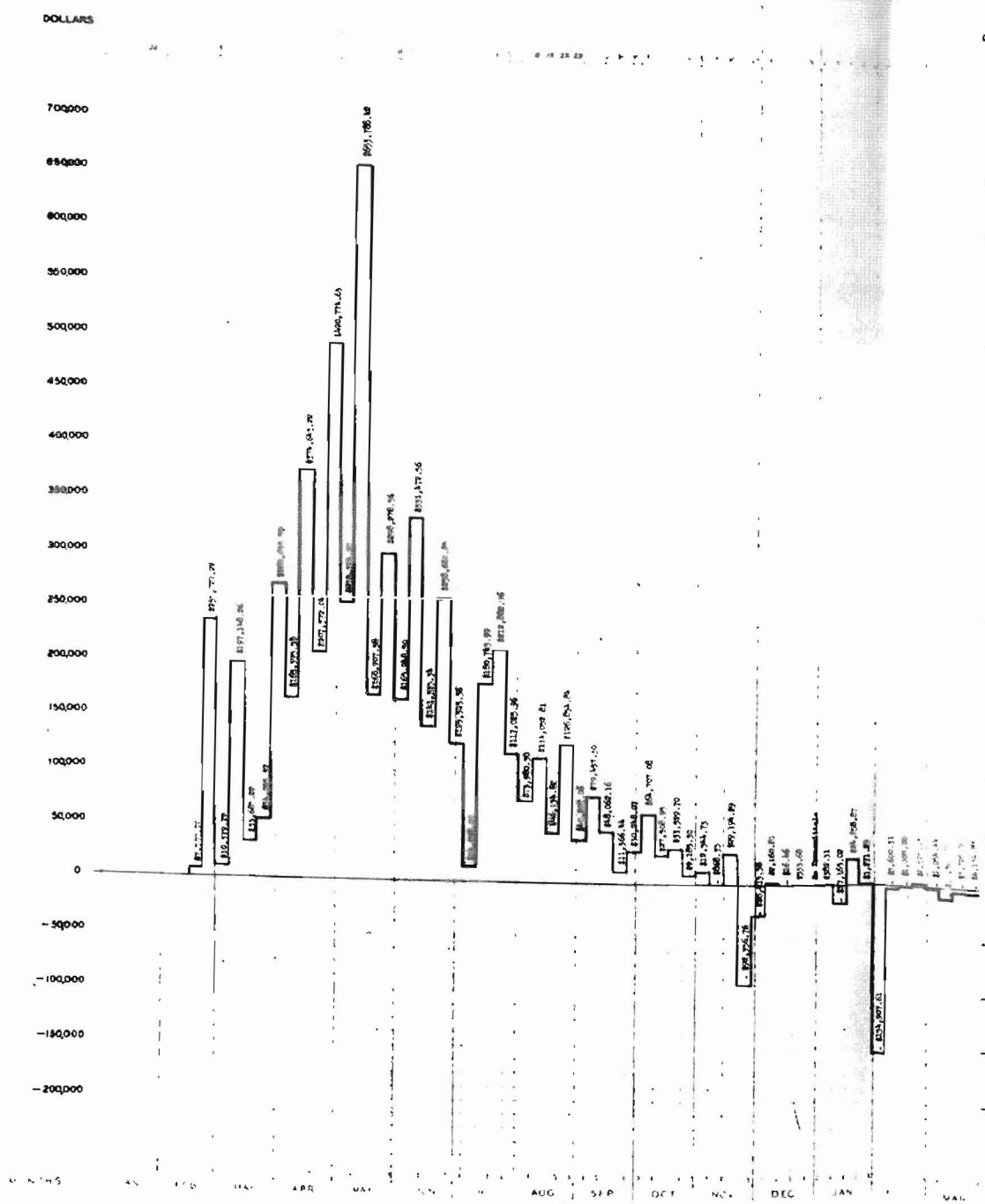

THE J.G. WHITE ENGINEERING CORPORATION
ARCHITECT · ENGINEER · MANAGER

LAKE ONTARIO ORDNANCE WORKS
YOUNGSTOWN, NEW YORK

# WEEKLY CONSTRUCTION PROGRESS

DATE MARCH 25, 1943

| DRAWN | G.N.P. | CHECKED | A.L.D. | SERIAL NO. | C-225 |
|---|---|---|---|---|---|




A-E-M PURCHASE ORDERS
SHOWING WEEKLY TRANSMITTALS APPROVED BY CHIEF PROJECT AUDITOR
DOLLARS

| DATE ENDING | FOR CONSTRUCTION | FOR A.E.M. | FOR O.E. | WEEKLY TOTAL | ACCUMULATIVE TOTAL |
|---|---|---|---|---|---|
| 1942 | | | | | |
| January 10 | | | | | |
| 17 | | | | | |
| 24 | | | | | |
| 31 | | | | | |
| February 7 | | | | | |
| 14 | | | | | |
| 21 | | 7,507.70 | | 7,507.70 | 7,507.70 |
| 28 | 295,321.86 | 10,605.16 | | 231,727.22 | 241,234.98 |
| March 7 | 2,956.89 | 9,660.83 | | 13,179.72 | 253,611.64 |
| 14 | 182,360.91 | 4,808.94 | | 197,168.38 | 450,780.90 |
| 21 | 28,126.88 | 5,598.16 | | 33,681.32 | 484,462.32 |
| 28 | 32,693.16 | 1,082.21 | | 46,795.39 | 531,257.69 |
| April 4 | 766,261.20 | 3,798.79 | | 269,697.99 | 800,955.68 |
| 11 | 198,308.00 | 7,089.96 | | 345,398.88 | 977,593.56 |
| 18 | 353,468.15 | 23,035.09 | | 376,843.23 | 1,354,233.88 |
| 25 | 201,706.58 | 4,765.96 | | 299,772.04 | 1,654,605.92 |
| May 2 | 688,719.34 | 1,949.11 | 176.00 | 690,774.65 | 2,345,380.57 |
| 9 | 348,999.06 | 4,297.93 | | 353,296.99 | 2,698,677.56 |
| 16 | 450,683.92 | 1,304.50 | | 451,988.42 | 3,150,665.98 |
| 23 | 167,189.77 | 1,717.63 | | 168,907.38 | 3,319,573.36 |
| 30 | 280,689.65 | 7,191.16 | | 288,278.96 | 3,607,852.32 |
| June 6 | 166,771.86 | 359.96 | 144.65 | 165,268.45 | 3,773,120.77 |
| 13 | 130,921.52 | 379.76 | 171.78 | 131,472.96 | 3,904,593.73 |
| 20 | 163,114.32 | 170.57 | 45.45 | 163,330.34 | 4,067,924.07 |
| 27 | 297,293.49 | 1,009.22 | 196.14 | 298,667.85 | 4,366,591.92 |
| July 4 | 323,392.98 | 1,926.66 | 296.98 | 325,616.62 | 4,692,208.54 |
| 11 | 17,697.92 | 150.35 | | 14,848.27 | 4,707,056.81 |
| 18 | 180,728.03 | 3.61 | 11.55 | 180,743.99 | 4,887,800.80 |
| 25 | 205,582.95 | 7,393.35 | 247.16 | 212,882.86 | 5,100,683.66 |
| August 1 | 315,551.13 | 1,985.33 | 64.50 | 317,701.96 | 5,418,385.62 |
| 8 | 71,870.34 | 108.50 | 1.84 | 71,980.68 | 5,490,366.30 |
| 15 | 113,999.49 | 2,687.69 | 677.65 | 116,762.81 | 5,607,129.11 |
| 22 | 43,753.44 | 885.48 | .90 | 45,114.82 | 5,652,243.93 |
| 29 | 127,360.19 | - 288.85 | 19.56 | 126,950.84 | 5,779,194.77 |
| September 5 | 99,468.69 | 233.60 | 78.74 | 99,777.03 | 5,878,971.80 |
| 12 | 99,479.31 | - 6.81 | 6.83 | 99,479.33 | 5,978,451.13 |
| 19 | 47,921.07 | 115.19 | 34.90 | 48,092.16 | 6,026,543.29 |
| 26 | 11,293.61 | 112.83 | | 11,406.44 | 6,037,949.73 |
| October 3 | 90,113.63 | 11.05 | 121.60 | 90,268.07 | 6,128,217.80 |
| 10 | 61,996.97 | 711.71 | 5.40 | 62,714.08 | 6,190,931.88 |
| 17 | 27,523.71 | - 14.76 | | 27,508.95 | 6,218,440.83 |
| 24 | 13,868.19 | 2,440.71 | 20.45 | 16,329.35 | 6,234,770.18 |
| 31 | 9,474.00 | - 290.70 | | 9,183.30 | 6,243,953.48 |
| November 7 | 32,309.16 | 372.25 | 63.00 | 32,744.91 | 6,276,698.39 |
| 14 | - 1,697.25 | 731.87 | 97.00 | - 868.38 | 6,275,830.01 |
| 21 | 29,396.05 | - 99.76 | -72.00 | 29,184.29 | 6,305,014.30 |
| 28 | -91,947.64 | - 279.07 | | -92,146.76 | 6,212,867.54 |
| December 5 | -30,044.60 | 1,626.79 | 34.75 | -28,631.58 | 6,184,235.96 |
| 12 | 1,865.21 | 102.21 | | 1,965.85 | 6,186,201.81 |
| 19 | 601.12 | - 619.98 | | - 18.86 | 6,186,182.95 |
| 26 | - 1,152.09 | 1,685.77 | | 533.68 | 6,186,716.63 |
| 1943 | | | | | |
| January 2 | | | | | 6,186,716.63 |
| 9 | 399.66 | - 49.69 | 32.40 | 382.37 | 6,187,099.00 |
| 16 | -17,631.34 | 666.28 | | -17,165.06 | 6,169,933.94 |
| 23 | 16,657.96 | 300.91 | | 22,958.87 | 6,192,892.81 |
| 30 | 1,452.39 | - 188.90 | 7.80 | 1,271.29 | 6,194,164.10 |
| February 6 | -359,126.98 | 217.37 | | -354,997.61 | 5,839,166.49 |
| 13 | - 1,999.71 | - .60 | | - 1,999.31 | 5,837,167.18 |
| 20 | - 785.09 | - 224.93 | | - 1,393.33 | 5,835,773.85 |
| 27 | 2,458.08 | | 53.09 | 2,520.35 | 5,838,294.20 |
| March 6 | - 1,066.73 | | 33.28 | - 1,066.44 | 5,837,227.76 |
| 13 | -10,641.91 | | 72.10 | -10,569.81 | 5,826,657.95 |
| 20 | - 8,815.32 | | - 912.70 | - 9,728.02 | 5,816,929.93 |
| 27 | - 4,144.65 | | 9.62 | - 4,134.93 | 5,812,795.00 |

THE [illegible]
[illegible]

LAKE ONTARIO ORDNANCE WORKS
[illegible]

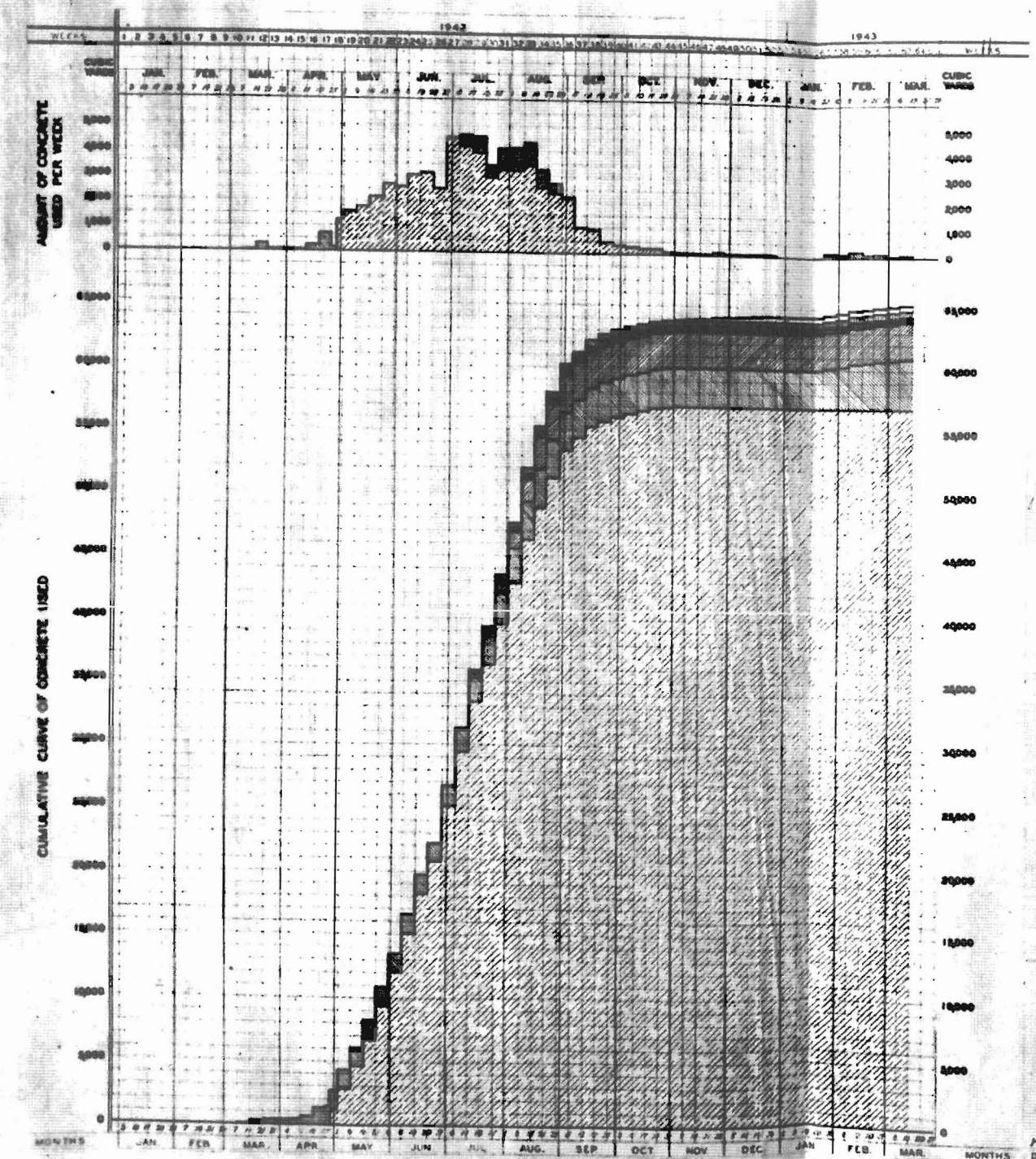
# A-E-M PURCHASE ORDERS

SHOWING WEEKLY NET AMOUNT
APPROVED BY CHIEF PROJECT AUDITOR

DATE MARCH 29, 1943

DRAWN G.N.P CHECKED A.L.D C-216

DUCED AT THE NATIONAL ARCHIVES




CONCRETE USED IN CONSTRUCTION

| Date | Month | Cooney Brothers Batching Plant | Empire Builders Supply Co. | Olsker Builders Supply & Coal Co. | L.A.E. Force Account | W.B. Neill, Inc. | Preload Co. | Weekly Total | Cumulative Total |
|---|---|---|---|---|---|---|---|---|---|
| 1942 | | | | | | | | | |
| March | 7 | | | | | | | | |
| | 14 | | 6 | | | | | 6 | 6 |
| | 21 | | 278 | | | | | 272 | 278 |
| | 28 | | 63 | | | | | 63 | 341 |
| April | 4 | | 38 | | | | | 38 | 379 |
| | 11 | | 55 | | | | | 55 | 434 |
| | 18 | | 215.5 | | | | | 215.5 | 649.5 |
| | 25 | | 696 | | | | | 696 | 1,345.5 |
| May | 8 | 1265.5 | 184 | | | | | 1389.5 | 2,735 |
| | 9 | 1595 | | | | | | 1595 | 4,330 |
| | 16 | 1776 | | | | | | 1776 | 6,106 |
| | 23 | 2145.5 | | | | | | 2145.5 | 8,251.5 |
| | 30 | 2094.5 | | | | | | 2094.5 | 10,346 |
| June | 6 | 2592 | | | | | | 2592 | 12,938 |
| | 13 | 3043 | | | | | | 3043 | 15,981 |
| | 20 | 3126 | | | | | | 3126 | 19,707 |
| | 27 | 2497.5 | | | | | | 2497.5 | 22,204.5 |
| July | 4 | 4526 | | | | | | 4526 | 26,780.5 |
| | 11 | 4682.5 | 262 | 35 | | 148 | | 4682.5 | 31,369 |
| | 18 | 3988 | 262 | 264 | | 268 | | 4562 | 35,911 |
| | 25 | 2987.5 | 262 | 80 | | | 145 | 3414.5 | 39,325.5 |
| August | 1 | 3876 | 262 | 383 | | 19 | 179 | 4119 | 43,444.5 |
| | 8 | 3849 | 262 | 637 | | 10 | | 4198 | 47,642.5 |
| | 15 | 3442 | 262 | 580 | | 66 | 98 | 4360 | 51,990.5 |
| | 22 | 2881 | | 651 | | 33 | | 3865 | 55,855.5 |
| | 29 | 2734 | | 401 | | | 12 | 2747 | 58,002.5 |
| September | 5 | 2188.5 | | 15 | | 9 | | 2206.5 | 60,209 |
| | 12 | 990 | | 14 | | 9 | | 1013 | 61,220 |
| | 19 | 898 | | | | | 15 | 907 | 62,126 |
| | 26 | 472.5 | | | | | 16 | 487.5 | 62,613.5 |
| October | 3 | 343.5 | | | | 9 | | 352.5 | 62,966 |
| | 10 | 282 | | | | | | 282 | 63,248 |
| | 17 | 289.5 | | | | | | 289.5 | 63,477.5 |
| | 24 | 281 | | | | | | 281 | 63,758.5 |
| | 31 | 189.5 | | | | | | 189.5 | 63,948 |
| November | 7 | 81 | | | | | | 81 | 63,073 |
| | 14 | | | | 72 | | | 72 | 63,993 |
| | 21 | | | | 29 | | | 29 | 63,984 |
| | 28 | | | | 114 | | | 114 | 64,098 |
| December | 5 | | | | 62 | | | 62 | 64,160 |
| | 12 | | | | 31 | | | 31 | 64,191 |
| | 19 | | | | 42 | | | 42 | 64,233 |
| | 26 | | | | 58 | | | 58 | 64,292 |
| 1943 | | | | | | | | | |
| January | 2 | | | | | | | 0 | 64,292 |
| | 9 | | 3 | | | | | 3 | 64,294 |
| | 16 | | | | | | | 0 | 64,294 |
| | 23 | | 11.5 | | | | | 11.5 | 64,305.5 |
| | 30 | | 110 | 45 | | | | 155 | 64,460.5 |
| February | 6 | | 90 | 34 | | | | 125 | 64,585.5 |
| | 13 | | 250 | 5 | | | | 255 | 64,840.5 |
| | 20 | | 108 | 5 | | | | 114 | 64,954.5 |
| | 27 | | 139 | 0 | 1.5 | | | 136.5 | 65,091 |
| March | 6 | | 160 | | | | | 160 | 65,251 |
| | 13 | | 214 | | | | | 214 | 65,465 |
| | 20 | | | | | | | | |
| | 27 | | | | | | | | |

COONEY BROTHERS BATCHING PLANT
EMPIRE BUILDERS SUPPLY CO.
OLSKER BUILDERS SUPPLY & COAL CO.
W.B. NEILL, INC.
PRELOAD CO.
A-E-M FORCE ACCOUNT

THE J.G. WHITE ENGINEERING CORPORATION
ARCHITECT · ENGINEER · MANAGER

# LAKE ONTARIO ORDNANCE WORKS

YOUNGSTOWN, NEW YORK

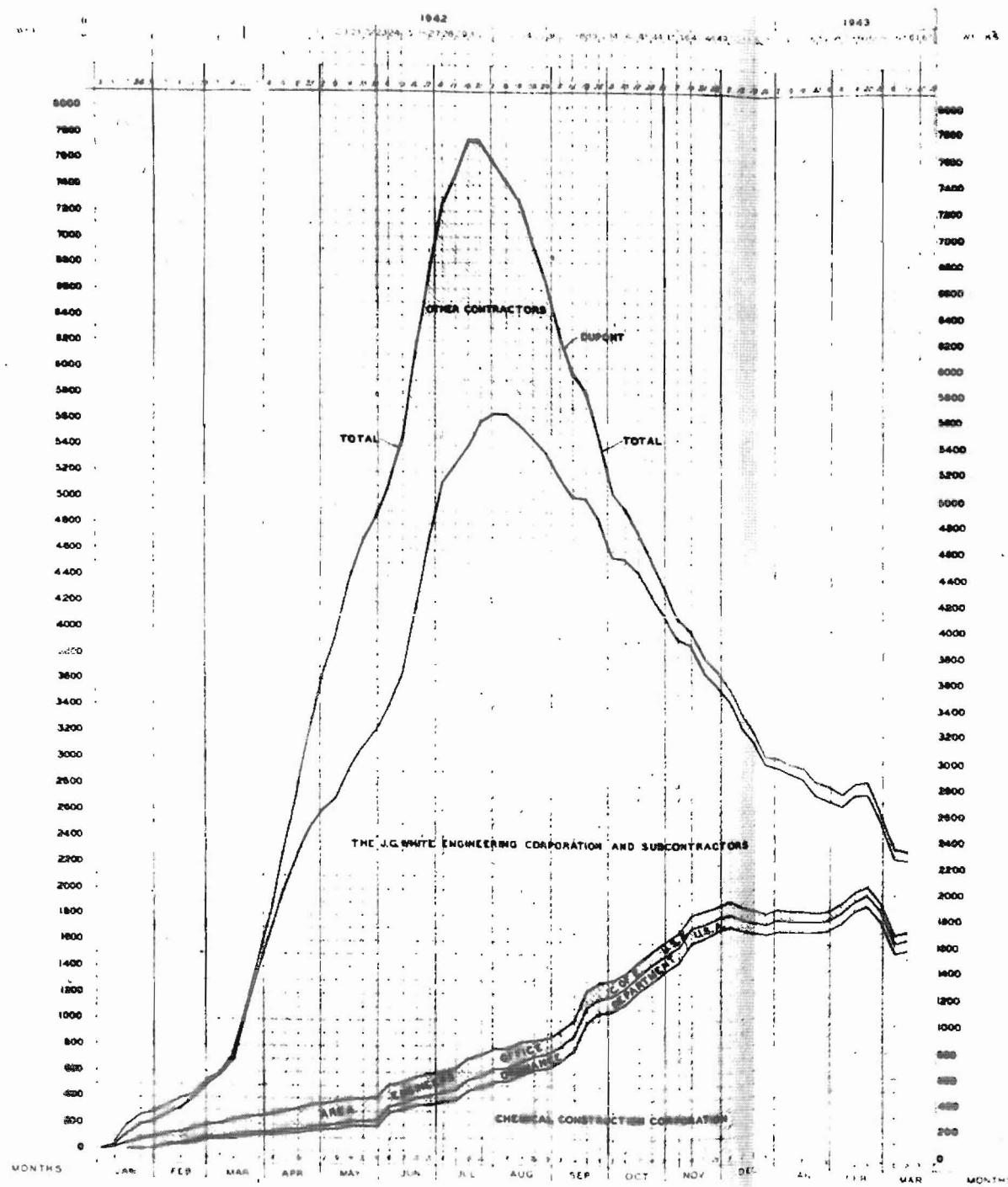
## CONCRETE

## USED IN CONSTRUCTION

DATE MARCH 18, 1943

DRAWN G.N.P. CHECKED A.L.D. SERIAL NO. C-281

ODUCED AT THE NATIONAL ARCHIVES




TOTAL EMPLOYMENT AT SITE
ALL PERSONNEL

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | O. | C. | O. | C. | | | | |
| 1942 | | | | | | | | | | |
| January | 3 | * | * | * | 1 | 2 | 4 | | | |
| | 10 | * | * | * | 2 | 24 | 35 | | | |
| | 17 | * | * | * | 3 | 24 | 70 | | | |
| | 24 | * | * | * | 4 | 33 | 139 | | | |
| | 31 | * | * | * | 6 | 35 | 177 | | | |
| February | 7 | * | * | * | 6 | 39 | 226 | | | |
| | 14 | * | 1 | 1 | 6 | 77 | 346 | | | |
| | 21 | * | 5 | 7 | 6 | 88 | 393 | | | |
| | 28 | * | 5 | 9 | 6 | 90 | 511 | | | |
| March | 7 | * | 6 | 8 | 6 | 97 | 588 | | | |
| | 14 | * | 6 | 11 | 6 | 112 | 699 | | | |
| | 21 | * | 6 | 15 | 6 | 120 | 809 | | | |
| | 28 | * | 6 | 14 | 7 | 123 | 1136 | | | |
| April | 4 | * | 8 | 14 | 7 | 131 | 1459 | | | |
| | 11 | * | 8 | 17 | 7 | 139 | 1703 | | | |
| | 18 | * | 8 | 18 | 13 | 147 | 1974 | | | |
| | 25 | * | 9 | 19 | 13 | 159 | 2173 | | | |
| May | 2 | * | 6 | 21 | 10 | 166 | 2244 | | | |
| | 9 | * | 12 | 21 | 8 | 168 | 2316 | | | |
| | 16 | * | 12 | 23 | 8 | 160 | 2503 | | | |
| | 23 | * | 12 | 24 | 9 | 164 | 2697 | | | |
| | 30 | * | 12 | 23 | 9 | 165 | 2805 | | | |
| June | 6 | * | 12 | 22 | 8 | 163 | 2897 | | | |
| | 13 | * | 12 | 22 | 8 | 160 | 3126 | | | |
| | 20 | * | 12 | 23 | 7 | 159 | 3293 | | | |
| | 27 | * | 12 | 24 | 9 | 155 | 4095 | | | |
| July | 4 | * | 12 | 25 | 8 | 154 | 4508 | | | |
| | 11 | * | 12 | 27 | 8 | 154 | 4626 | | | |
| | 18 | * | 12 | 26 | 8 | 151 | 4748 | | | |
| | 25 | * | 12 | 24 | 8 | 149 | 4844 | | | |
| August | 1 | * | 12 | 22 | 8 | 143 | 4895 | | | |
| | 8 | * | 12 | 23 | 8 | 142 | 4869 | | | |
| | 15 | * | 12 | 24 | 8 | 138 | 4726 | | | |
| | 22 | * | 12 | 25 | 7 | 136 | 4623 | | | |
| | 29 | * | 12 | 24 | 6 | 126 | 4484 | | | |
| September | 5 | * | 12 | 23 | 5 | 120 | 4270 | | | |
| | 12 | * | 12 | 22 | 4 | 117 | 4087 | | | |
| | 19 | * | 11 | 24 | 4 | 111 | 3980 | | | |
| | 26 | * | 11 | 24 | 4 | 112 | 3946 | | | |
| October | 3 | * | 11 | 24 | 5 | 112 | 3860 | | | |
| | 10 | * | 13 | 25 | 5 | 112 | 3863 | | | |
| | 17 | * | 14 | 27 | 5 | 108 | 3979 | | | |
| | 24 | * | 14 | 26 | 5 | 111 | 3922 | | | |
| | 31 | * | 13 | 26 | 5 | 114 | 3930 | | | |
| November | 7 | * | 14 | 28 | 5 | 114 | 3964 | | | |
| | 14 | * | 13 | 28 | 5 | 111 | 3943 | | | |
| | 21 | * | 13 | 27 | 5 | 111 | 3818 | | | |
| | 28 | * | 13 | 27 | 5 | 111 | 3685 | | | |
| December | 5 | * | 12 | 27 | 5 | 113 | 3539 | | | |
| | 12 | * | 12 | 27 | 5 | 113 | 3389 | | | |
| | 19 | * | 11 | 27 | 5 | 113 | 3302 | | | |
| | 26 | * | 10 | 26 | 5 | 111 | 3147 | | | |
| 1943 | | | | | | | | | | |
| January | 2 | * | 10 | 25 | 5 | 111 | 3090 | | | |
| | 9 | * | 9 | 27 | 5 | 112 | 3094 | | | |
| | 16 | * | 9 | 28 | 5 | 114 | 3137 | | | |
| | 23 | * | 9 | 27 | 5 | 112 | 3053 | | | |
| | 30 | * | 8 | 28 | 5 | 111 | 3042 | | | |
| February | 6 | * | 6 | 28 | 5 | 110 | 3014 | | | |
| | 13 | * | 5 | 27 | 5 | 108 | 2966 | | | |
| | 20 | * | 6 | 26 | 5 | 106 | 2945 | | | |
| | 27 | * | 6 | 26 | 4 | 103 | 2911 | | | |
| March | 6 | * | 5 | 27 | 4 | 99 | 2879 | | | |
| | 13 | * | 5 | 28 | 4 | 99 | 2879 | | | |
| | 20 | | | | | | | | | |
| | 27 | | | | | | | | | |

O. - Officers
C. - Civilians
* - 96 actually working. [illegible]

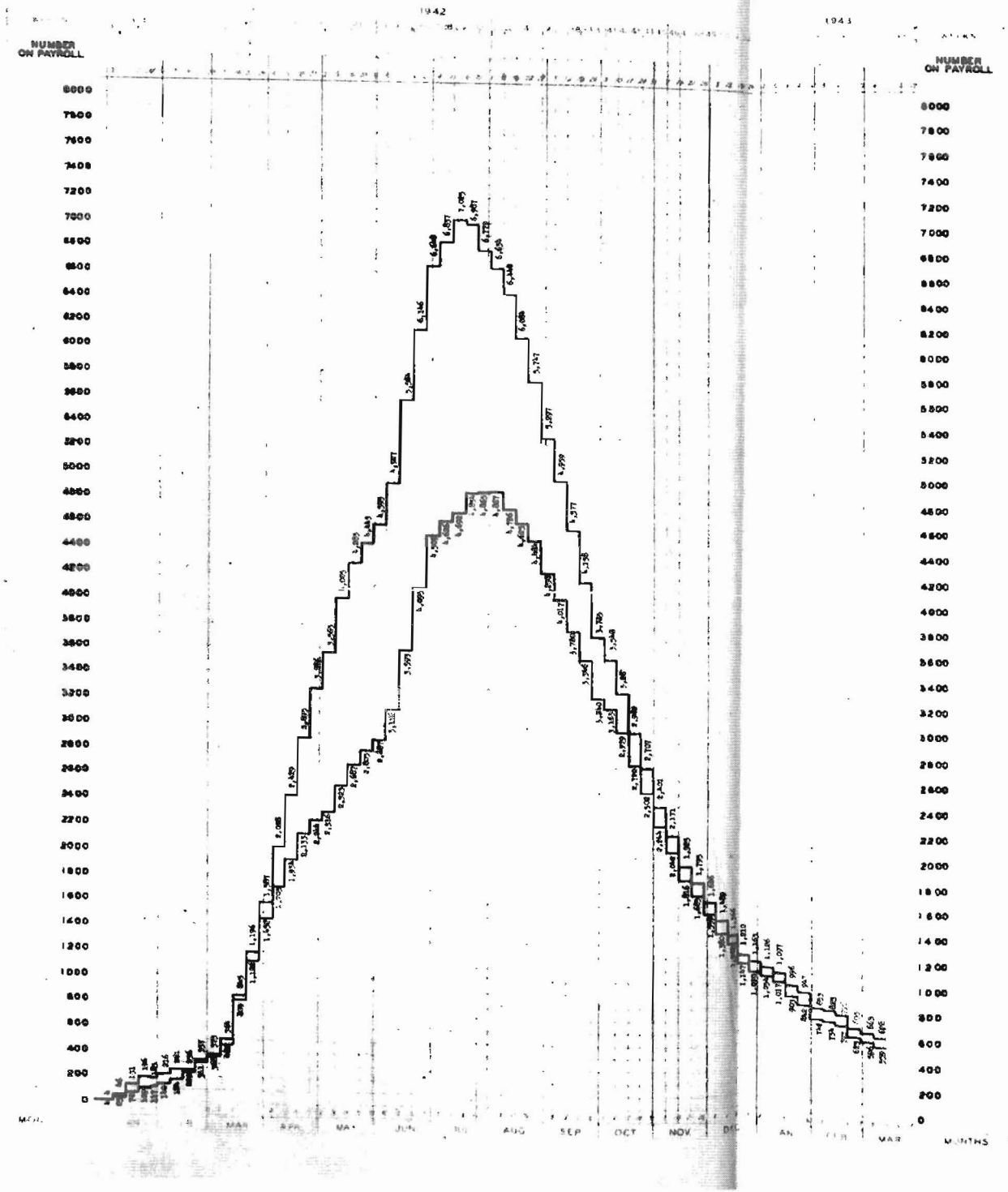
THE J.G. WHITE ENGINEERING CORPORATION
ARCHITECT-ENGINEER-MANAGER
LAKE ONTARIO ORDNANCE WORKS
YOUNGSTOWN, NEW YORK

**TOTAL EMPLOYMENT AT SITE**
**ALL PERSONNEL**

DATE MARCH 15, 1943

DRAWN A.L.B. CHECKED G.N.P. SERIAL NO. C-217

PRODUCED AT THE NATIONAL ARCHIVES




CONTRACTORS' PERSONNEL WORKING AT SITE
WEEKLY TOTAL ON PAYROLL

| WEEK ENDING 1942 | J. G. WHITE ENGINEERING CORPORATION | OTHER CONTRACTORS AND SUB-CONTRACTORS | TOTAL |
|---|---|---|---|
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |
| 1943 | | | |
| January | | | |
| February | | | |
| March | | | |

TOP GRAPH - TOTAL ALL CONTRACTORS
BLUE - AE&I TOTAL PERSONNEL ON PAYROLL
ORANGE - OTHER CONTRACTORS' PERSONNEL ON THEIR PAYROLLS

THE [illegible] ENGINEERING CORPORATION
ENGINEER - MANAGER
LAKE ONTARIO ORDNANCE WORKS
[illegible] TOWN, NEW YORK

# CONTRACTORS' PERSONNEL WORKING AT SITE
## WEEKLY TOTAL ON PAYROLLS

DATE MARCH 15, 1943

MONTHS DRAWN [illegible] CHECKED G.N.R

ODUCED AT THE NATIONAL ARCHIVES

ODUCED AT THE NATIONAL ARCHIVES




THE J. G. WHITE ENGINEERING CORPORATION
ARCHITECT - ENGINEER - MANAGER
YOUNGSTOWN, NEW YORK

LAKE ONTARIO ORDNANCE WORKS

JOURNEYMEN PER WEEK
MANAGER OF PAYROLL
CARPENTER CRAFTS

DATE MARCH 22 1943

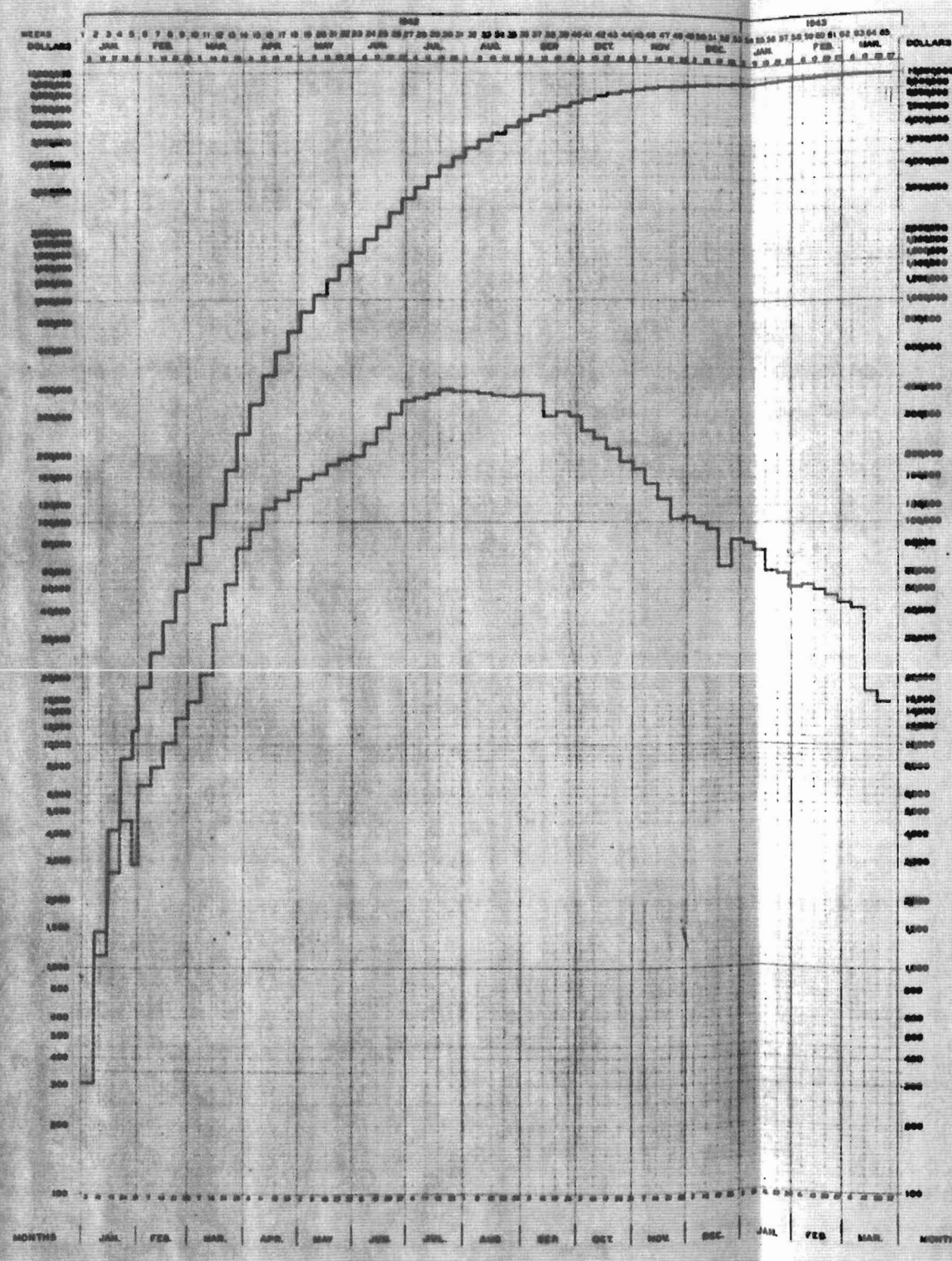
DRAWN M.J.R. CHECKED A.L.D.

SERIAL NO. C-105

☐ BLUE - EMPLOYEES OF SUBCONTRACTORS OF AEA

☐ ORANGE-EMPLOYEES OF OTHER PRIME CONTRACTORS

* No AEA employees on Pipe Covering.




A-E-M PAYROLL DATA

| NO. | [illegible] | [illegible] | P.O.A.B. | VICTORY TAX | [illegible] | [illegible] | [illegible] |
|---|---|---|---|---|---|---|---|
| | 1942 | | | | | | |
| 1 | January 7 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 2 | 14 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 3 | 21 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 4 | 28 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 5 | 31 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 6 | February 7 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 7 | 14 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 8 | 21 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 9 | 28 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 10 | March 7 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 11 | 14 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 12 | 21 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 13 | 28 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 14 | April 4 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 15 | 11 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 16 | 18 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 17 | 25 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 18 | May 2 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 19 | 9 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 20 | 16 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 21 | 23 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 22 | 30 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 23 | June 6 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 24 | 13 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 25 | 20 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 26 | 27 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 27 | July 4 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 28 | 11 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 29 | 18 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 30 | 25 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 31 | August 1 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 32 | 8 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 33 | 15 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 34 | 22 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 35 | 29 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 36 | September 5 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 37 | 12 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 38 | 19 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 39 | 26 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 40 | October 3 | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| 41 | 10 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 42 | 17 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 43 | 24 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 44 | 31 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 45 | November 7 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 46 | 14 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 47 | 21 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 48 | 28 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 49 | December 5 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 50 | 12 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 51 | 19 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| 52 | 26 | [illegible] | [illegible] | | | [illegible] | [illegible] |
| | 1943 | | | | | | |
| 53 | January 2 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 54 | 9 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 55 | 16 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 56 | 23 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 57 | 30 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 58 | February 6 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 59 | 13 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 60 | 20 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 61 | 27 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 62 | March 6 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 63 | 13 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 64 | 20 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |
| 65 | 27 | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] |

— CUMULATIVE COST AT END OF WEEK

— AUDITED AMOUNT OF PAYROLL FOR WEEK, INCLUDING SUPPLEMENTARY PAYROLLS

THE J. G. WHITE ENGINEERING CORPORATION
ARCHITECT - ENGINEER - MANAGER

**LAKE ONTARIO ORDNANCE WORKS**
YOUNGSTOWN, NEW YORK

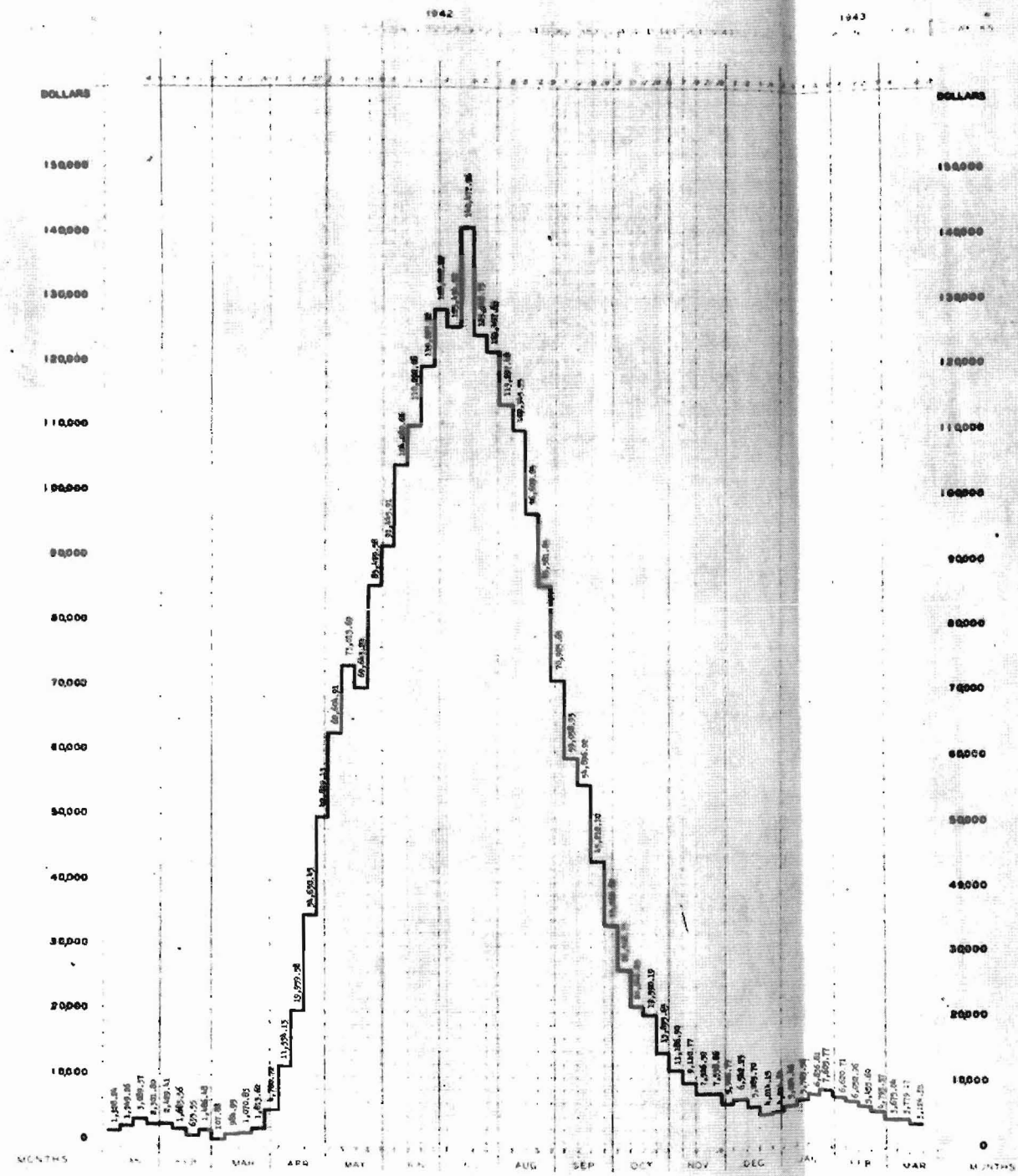
**A-E-M PAYROLL DATA**

COST EACH WEEK AND CUMULATIVE AMOUNT IN DOLLARS

DATE [illegible]

DRAWN G.N.R. CHECKED A.L.D. SCALE NO. C-294

ODUCED AT THE NATIONAL ARCHIVES




| CONTRACTOR'S PAYROLL DATA (OTHER THAN A-E-M) | | | |
|---|---|---|---|
| WEEK ENDING | NUMBER OF PAYROLLS | GROSS WEEKLY PAYROLL | WEEKLY CUMULATIVE AMOUNT |
| 1942 | | | |
| January 10 | 8858 | $ 1,388.84 | $ 1,388.84 |
| 17 | 8858 | 1,999.37 | 3,388.21 |
| 24 | 8858 | 2,350.89 | 5,739.10 |
| 31 | 8858 | 2,750.87 | 8,489.97 |
| February 7 | 8858 | 2,699.43 | 11,188.40 |
| 14 | 8858 | 3,889.56 | 15,077.96 |
| 21 | 8858 | 693.73 | 15,771.69 |
| 28 | 8858 | 1,666.68 | 17,438.37 |
| March 7 | 8858 | 1,053.60 | 18,491.97 |
| 14 | 8858 | 1,053.60 | 19,545.57 |
| 21 | 8858 | 1,053.60 | 20,599.17 |
| 28 | 8858 | 1,053.60 | 21,652.77 |
| April 4 | 8858 | 4,999.79 | 26,652.56 |
| 11 | 8858 | 5,466.73 | 32,119.29 |
| 18 | 8858 | 5,919.58 | 38,038.87 |
| 25 | 8858 | 5,630.43 | 43,669.30 |
| May 2 | 8858 | 6,869.33 | 50,538.63 |
| 9 | 8858 | 6,686.96 | 57,225.59 |
| 16 | 8858 | 7,329.69 | 64,555.28 |
| 23 | 8858 | 6,643.79 | 71,199.07 |
| 30 | 8858 | 5,595.78 | 76,794.85 |
| June 6 | 8858 | 6,669.78 | 83,464.63 |
| 13 | 8858 | 6,686.66 | 90,151.29 |
| 20 | 8858 | 6,838.00 | 96,989.29 |
| 27 | 8858 | 6,889.70 | 103,878.99 |
| July 4 | 8858 | 6,999.98 | 110,878.97 |
| 11 | 8858 | 6,436.52 | 117,315.49 |
| 18 | 8858 | 6,677.08 | 123,992.57 |
| 25 | 8858 | 5,979.73 | 129,972.30 |
| August 1 | 8858 | 6,447.89 | 136,420.19 |
| 8 | 8858 | 6,990.68 | 143,410.87 |
| 15 | 8858 | 6,967.75 | 150,378.62 |
| 22 | 8858 | 6,696.06 | 157,074.68 |
| 29 | 8858 | 6,981.95 | 164,056.63 |
| September 5 | 8858 | 6,999.86 | 171,056.49 |
| 12 | 8858 | 6,998.79 | 178,055.28 |
| 19 | 8858 | 6,966.85 | 185,022.13 |
| 26 | 8858 | 6,999.89 | 192,022.02 |
| October 3 | 8858 | 6,999.86 | 199,021.88 |
| 10 | 8858 | 6,998.79 | 206,020.67 |
| 17 | 8858 | 6,966.85 | 212,987.52 |
| 24 | 8858 | 6,999.89 | 219,987.41 |
| 31 | 8858 | 6,999.86 | 226,987.27 |
| November 7 | 8858 | 11,186.90 | 238,174.17 |
| 14 | 8858 | 9,110.99 | 247,285.16 |
| 21 | 8858 | 7,556.93 | 254,842.09 |
| 28 | 8858 | 7,538.86 | 262,380.95 |
| December 5 | 8858 | 6,996.77 | 269,377.72 |
| 12 | 8858 | 6,967.73 | 276,345.45 |
| 19 | 8858 | 6,999.70 | 283,345.15 |
| 26 | 8858 | 6,784.19 | 290,129.34 |
| 1943 | | | |
| January 2 | 8858 | 6,221.84 | 296,351.18 |
| 9 | 8858 | 5,974.66 | 302,325.84 |
| 16 | 8858 | 5,965.56 | 308,291.40 |
| 23 | 8858 | 6,036.83 | 314,328.23 |
| 30 | 8858 | 5,999.77 | 320,328.00 |
| February 6 | 8858 | 6,630.73 | 326,958.73 |
| 13 | 8858 | 6,052.66 | 333,011.39 |
| 20 | 8858 | 5,655.60 | 338,666.99 |
| 27 | 8858 | 6,793.57 | 345,460.56 |
| March 6 | 8858 | 5,999.06 | 351,459.62 |
| 13 | 8858 | 5,779.37 | 357,238.99 |
| 20 | 8858 | 5,131.39 | 362,370.38 |

THE J. G. WHITE ENGINEERING CORPORATION
ARCHITECT - ENGINEER - MANAGER

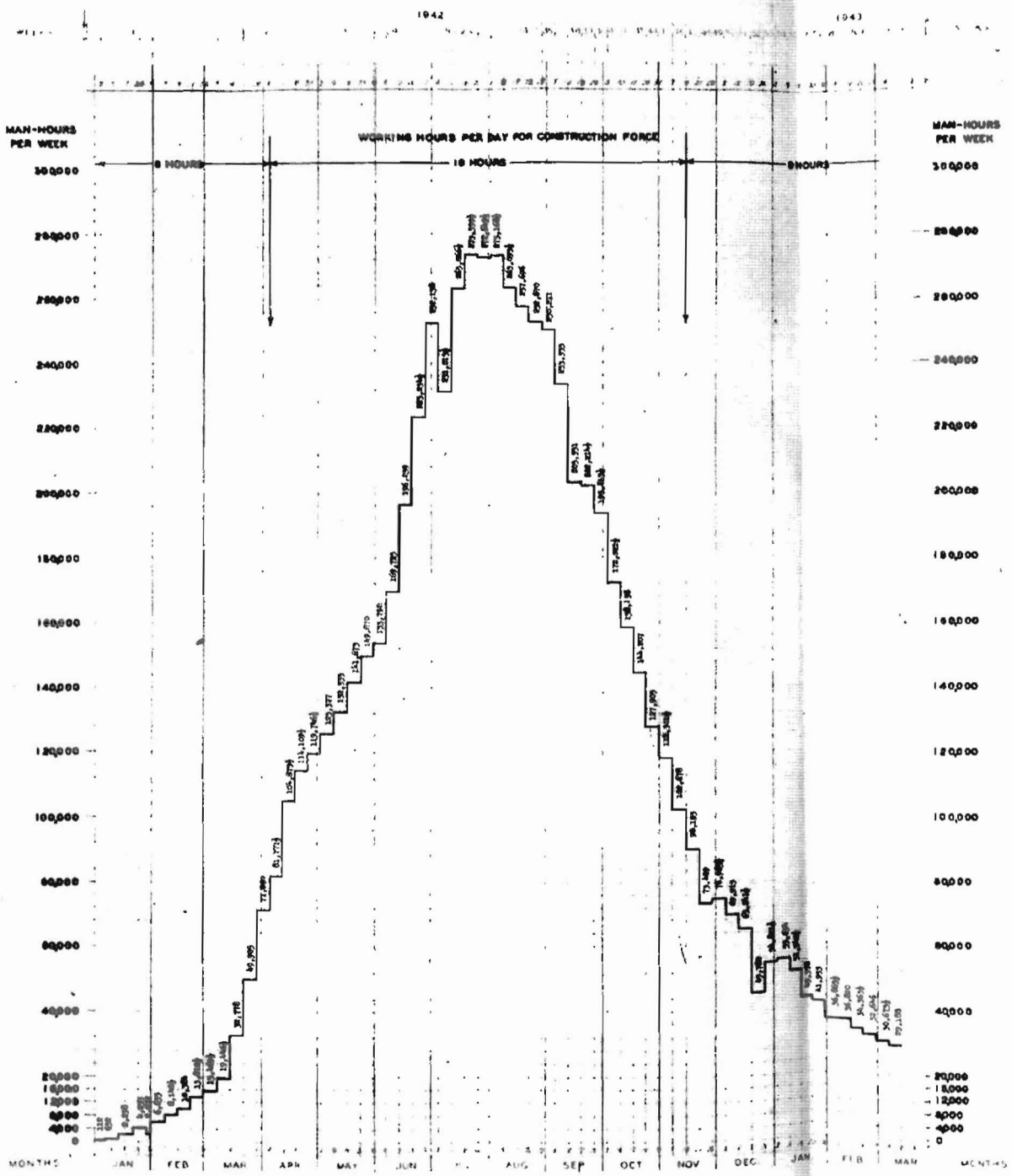
LAKE ONTARIO ORDNANCE WORKS
YOUNGSTOWN, NEW YORK

**WEEKLY PAYROLLS**
**ALL CONTRACTORS**
**OTHER THAN A-E-M**

DATE MARCH 22, 1943

DRAWN G.N.P. CHECKED A.L.D. SERIAL NO. C-218

ODUCED AT THE NATIONAL ARCHIVES




| WEEK ENDING | NUMBER EMPLOYED | MAN HOURS EACH WEEK | MAN HOURS EACH MONTH | MAN HOURS CUMULATIVE TOTAL |
|---|---|---|---|---|
| 1942 | | | | |
| January 3 | 1,252 | 7,520 | | |
| 10 | 1,252 | 7,520 | | |
| 17 | 1,252 | 7,520 | | |
| 24 | 1,252 | 7,520 | | |
| 31 | 1,252 | 7,520 | 37,600 | 37,600 |
| February 7 | 1,252 | 7,520 | | |
| 14 | 1,252 | 7,520 | | |
| 21 | 1,252 | 7,520 | | |
| 28 | 1,252 | 7,520 | 30,080 | 67,680 |
| March 7 | 1,252 | 7,520 | | |
| 14 | 1,252 | 7,520 | | |
| 21 | 1,252 | 7,520 | | |
| 28 | 1,252 | 7,520 | 30,080 | 97,760 |
| April 4 | 1,252 | 7,520 | | |
| 11 | 1,252 | 7,520 | | |
| 18 | 1,252 | 7,520 | | |
| 25 | 1,252 | 7,520 | 30,080 | 127,840 |
| May 2 | 1,252 | 7,520 | | |
| 9 | 1,252 | 7,520 | | |
| 16 | 1,252 | 7,520 | | |
| 23 | 1,252 | 7,520 | | |
| 30 | 1,252 | 7,520 | 37,600 | 165,440 |
| June 6 | 1,252 | 7,520 | | |
| 13 | 1,252 | 7,520 | | |
| 20 | 1,252 | 7,520 | | |
| 27 | 1,252 | 7,520 | 30,080 | 195,520 |
| July 4 | 1,252 | 7,520 | | |
| 11 | 1,252 | 7,520 | | |
| 18 | 1,252 | 7,520 | | |
| 25 | 1,252 | 7,520 | 30,080 | 225,600 |
| August 1 | 1,252 | 7,520 | | |
| 8 | 1,252 | 7,520 | | |
| 15 | 1,252 | 7,520 | | |
| 22 | 1,252 | 7,520 | | |
| 29 | 1,252 | 7,520 | 37,600 | 263,200 |
| September 5 | 1,252 | 7,520 | | |
| 12 | 1,252 | 7,520 | | |
| 19 | 1,252 | 7,520 | | |
| 26 | 1,252 | 7,520 | 30,080 | 293,280 |
| October 3 | 1,252 | 7,520 | | |
| 10 | 1,252 | 7,520 | | |
| 17 | 1,252 | 7,520 | | |
| 24 | 1,252 | 7,520 | | |
| 31 | 1,252 | 7,520 | 37,600 | 330,880 |
| November 7 | 1,252 | 7,520 | | |
| 14 | 1,252 | 7,520 | | |
| 21 | 1,252 | 7,520 | | |
| 28 | 1,252 | 7,520 | 30,080 | 360,960 |
| December 5 | 1,252 | 7,520 | | |
| 12 | 1,252 | 7,520 | | |
| 19 | 1,252 | 7,520 | | |
| 26 | 1,252 | 7,520 | 30,080 | 391,040 |
| 1943 January 2 | 1,252 | 7,520 | | |
| 9 | 1,252 | 7,520 | | |
| 16 | 1,252 | 7,520 | | |
| 23 | 1,252 | 7,520 | | |
| 30 | 1,252 | 7,520 | 37,600 | 428,640 |
| February 6 | 1,252 | 7,520 | | |
| 13 | 1,252 | 7,520 | | |
| 20 | 1,252 | 7,520 | | |
| 27 | 1,252 | 7,520 | 30,080 | 458,720 |
| March 6 | 1,252 | 7,520 | | |
| 13 | 1,252 | 7,520 | | |
| 20 | 1,252 | 7,520 | | |
| 27 | 1,252 | 7,520 | 30,080 | 488,800 |

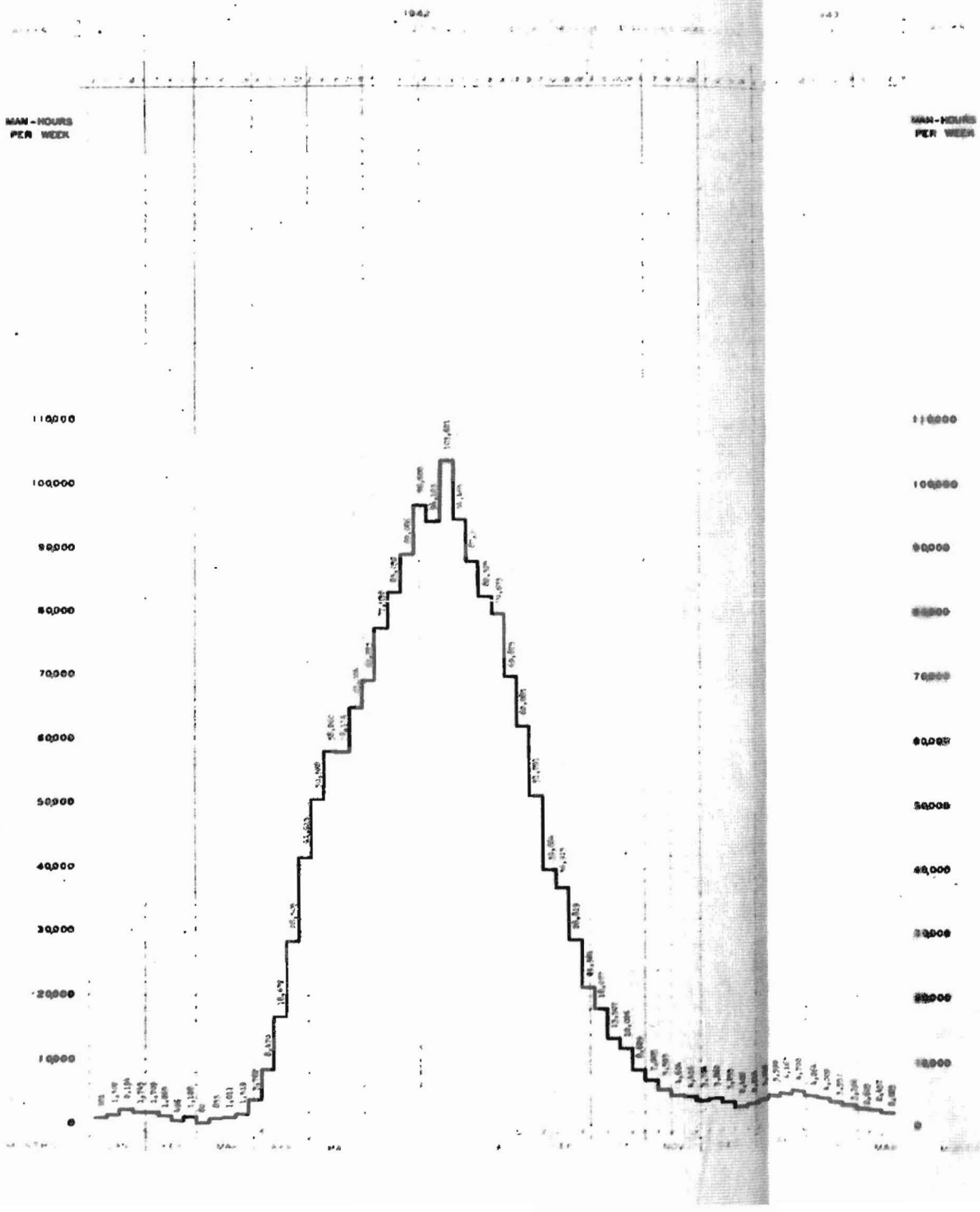
[illegible] CONSTRUCTION CO. LTD.
LAKE ONTARIO ORDNANCE WORKS

**AEM**

**MAN-HOURS WORKED PER WEEK**

DATE MARCH 15/1943

DRAWN M.J.R. CHECKED [illegible] C-213




LAKE ONTARIO ORDNANCE WORKS

**MAN-HOURS WORKED PER WEEK**
**ALL CONTRACTORS**
**OTHER THAN A-E-M**

DATE MARCH 22,1943

ODUCED AT THE NATIONAL ARCHIVES

| BLDG. POST NO. | DESCRIPTION ADMINISTRATION AREA: | PLANNING BEGAN | PLANNING COMPLETED | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETED | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER INFORMATION RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER INFORMATION CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 701 | Gate House and Clock Alleys | 12-13-42 | 12-14-42 | 6-5-42 | 11-4-42 | 9-28-42 | 12-12-42 | 56 | 9-29-42 | 9-30-42 | 12-21-42 | 12-21-42 |
| 701 | Examination Building | 12-13-42 | 12-14-42 | 6-5-42 | 11-4-42 | 9-28-42 | 12-12-42 | 56 | 9-29-42 | 9-30-42 | 12-21-42 | 12-21-42 |
| 702 | Telephone Building | 2-19-42 | 10-6-42 | 4-21-42 | 6-23-42<br>11-25-42 | | 6-27-42 | 2 | 6-27-42 | 6-27-42 | 11-30-42 | 11-30-42 |
| 703 | Main Office Building | 2-12-42 | 9-1-42 | 3-3-42 | 6-20-42<br>9-22-42 | | 6-22-42 | 1 | 6-22-42 | 6-22-42 | 9-22-42 | 9-22-42 |
| 705 | Employment Building | 3-30-42 | 11-5-42 | 4-28-42 | 7-20-42<br>9-14-42 | | 7-20-42 | 18 | 8-8-42 | 8-17-42 | 12-18-42 | 12-18-42 |
| 707 | Change House Ad. 1 | 3-4-42 | 11-2-42 | 4-20-42 | 6-23-42 | 8-3-42 | 12-1-42 | 3 | 6-27-42 | 6-27-42 | 11-30-42 | 11-30-42 |
| 708 | Cafeteria | 2-21-42 | 10-26-42 | 4-19-42 | 12-14-42 | 8-1-42 | 2-1-43 | 6 | 8-1-42 | 8-1-42 | 11-30-42 | 11-30-42 |
| 709 | Main Fire Headquarters | 3-3-42 | 7-23-42 | 4-21-42 | 12-17-42 | 7-11-42 | 12-19-42 | 10 | 8-8-42 | 7-20-42 | 11-30-42 | 11-30-42 |
| 719 | Medical Service Building | 3-28-42 | 11-5-42 | 4-28-42 | 10-5-42 | | 10-26-42 | 17 | 8-8-42 | 8-11-42 | 12-18-42 | 12-18-42 |
| 720 | Guard Headquarters | 2-21-42 | 10-31-42 | 4-21-42 | 11-2-42 | | 7-21-42 | 21 | 8-8-42 | 8-11-42 | 11-30-42 | 11-30-42 |
| 728 | Garage for Staff and Ordnance | 2-13-42 | 3-13-42 | 4-20-42 | 7-10-42 | | 8-3-42 | 8 | 8-5-42 | 8-5-42 | 11-30-42 | 11-30-42 |
| 730 | Garage for Guard Headquarters | 3-10-42 | 3-13-42 | 4-21-42 | 7-10-42 | | 8-3-42 | 9 | 8-5-42 | 8-5-42 | 11-30-42 | 11-30-42 |
| 751 | Dormitory (North) | 6-19-42 | 12-15-42 | 8-7-42 | 11-15-42 | 11-6-42 | 11-18-42 | 66 | 12-18-42 | 10-29-42 | 2-3-43 | 2-3-43 |
| 752 | Dormitory (South) | 6-19-42 | 12-15-42 | 8-6-42 | 11-15-42 | 11-6-42 | 11-18-42 | 66 | 12-18-42 | 10-29-42 | 2-3-43 | 2-3-43 |
| 712 | Flag Pole | 5-15-42 | 5-29-42 | 5-28-42 | 11-13-42 | | 7-6-42 | 4 | 7-13-42 | 7-13-42 | 2-3-43 | 2-3-43 |
| | Telephone Apparatus - in Building | By American Automatic Electric Sales Company | | 4-29-42 | 10-7-42 | 8-17-42 | 10-16-42 | 37 | 8-22-42 | 8-19-42 | 12-10-42 | 12-10-42 |
| | ACID AREA: | | | | | | | | | | | |
| 3011 | Low Pressure Anhydrous Ammonia Storage: | | | | | | | | | | | |
| | Compressor House & Horton Sphere | 2-3-42 | 9-29-42 | 4-16-42 | 9-19-42 | | 11-17-42 | 51 | 10-6-42 | 9-25-42 | 2-10-43 | 2-10-43 |
| 3012 | High Pressure Anhydrous Ammonia Storage: | | | | | | | | | | | |
| | Wave 1 - Compressor House & 6 Tanks | 2-24-42 | 9-23-42 | 4-30-42 | 10-28-42 | 9-17-42 | 10-14-42 | 84 | 1-25-43 | 9-17-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 6 Tanks | 6-4-42 | 9-23-42 | 8-21-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3021 | Ammonia Oxidation House: | | | | | | | | | | | |
| | Wave 1 - Ammonia Oxidation Unit #1 | | | | | 9-29-42 | 10-14-42 | 84 | 1-25-43 | 1-9-43 | 2-10-43 | 2-10-43 |
| | Ammonia Oxidation Unit #2 | 2-3-42 | 11-19-42 | 4-12-42 | 1-2-43 | 10-2-42 | 10-14-42 | 84 | 1-25-43 | 1-9-43 | 2-10-43 | 2-10-43 |
| | Ammonia Oxidation Unit #3 | | | | | 12-31-42 | 1-27-43 | 84 | 1-25-43 | 1-9-43 | 2-10-43 | 2-10-43 |
| | Wave 4 - Ammonia Oxidation Unit #4 | 6-4-42 | 11-19-42 | 8-24-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3022 | Supervisor's Office & Pump House: | 4-6-42 | 8-27-42 | 6-2-42 | 9-12-42 | 9-29-42 | 11-17-42 | 84 | 1-25-43 | 9-29-42 | 2-10-43 | 2-10-43 |
| 3023 | 68% $HNO_3$ Storage Tanks and Condensate Tank: | | | | | | | | | | | |
| | Condensate Tank and 8 Storage Tanks | 3-1-42 | 9-23-42 | 5-14-42 | 9-29-42 | 9-29-42 | 10-14-42 | 84 | 1-25-43 | 2-29-42 | 2-10-43 | 2-10-43 |
| 3031 | Nitric Acid Concentrating House: | | | | | | | | | | | |
| | Wave 1 - Nitric Acid Concentrating Unit #1 | | | 4-6-42 | 12-19-42 | 10-5-42 | 12-24-42 | 84 | 1-25-43 | 1-8-43 | 2-10-43 | 2-10-43 |
| | Unit #2 | | | 4-6-42 | 12-19-42 | 10-5-42 | 12-24-42 | 84 | 1-25-43 | 1-8-43 | 2-10-43 | 2-10-43 |
| | Unit #3 | 2-4-42 | 10-15-42 | 4-6-42 | 12-19-42 | 10-5-42 | 12-24-42 | 84 | 1-25-43 | 1-8-43 | 2-10-43 | 2-10-43 |
| | Unit #4 | | | 4-6-42 | 12-19-42 | 10-5-42 | 12-24-42 | 84 | 1-25-43 | 1-8-43 | 2-10-43 | 2-10-43 |
| | Unit #5 | | | 4-6-42 | 12-19-42 | 10-5-42 | 12-24-42 | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| | Wave 4 - Unit #6 | 6-4-42 | 10-15-42 | 9-11-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| | Unit #7 | | | | | | | | | | | |

| BLDG. POST NO. | DESCRIPTION | PLANNING BEGAN | PLANNING COMPLETED | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETED | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER INFORMATION RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER INFORMATION CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ACID AREA: (CONTD) | | | | | | | | | | | |
| 3032 | Residual Sulphuric Acid Storage Tanks: | | | | | | | | | | | |
| | Wave 1 - 4 Tanks | 2-25-42 | 6-19-42 | 4-19-42 | 9-12-42 | | 10-9-42 | 84 | 1-25-43 | 10-10-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 2 Tanks | 6-4-42 | 6-19-42 | 9-1-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3051 | Concentrating Mix Circulators: | | | | | | | | | | | |
| | Wave 1 - Scale House, 4 Circulator Tanks and 4 Coolers | 2-26-42 | 12-19-42 | 5-3-42 | 11-14-42 | 10-8-42 | 11-17-42 | 84 | 1-25-43 | 10-8-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - Scale House, 2 Circulator Tanks and 2 Coolers | 6-4-42 | 12-19-42 | 8-30-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3052 | Dark Sulphuric Acid Storage Tanks: | | | | | | | | | | | |
| | Wave 1 - 5 Tanks | 2-10-42 | 12-19-42 | 4-20-42 | 9-22-42 | | 9-25-42 | 50 | 10-1-42 | 9-26-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 2 Tanks | 6-4-42 | 12-19-42 | 8-30-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3053 | Concentrating Mixed Acid Storage Tanks: | | | | | | | | | | | |
| | Wave 1 - 4 Tanks | 2-25-42 | 12-19-42 | 5-3-42 | 10-7-42 | 10-8-42 | 11-17-42 | 84 | 1-25-43 | 10-8-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 2 Tanks | 6-4-42 | 12-19-42 | 8-10-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3054 | Strong Nitric Acid Storage Tanks and Mixed Acid Circulators: | | | | | | | | | | | |
| | Wave 1 - Scale House, 2 Circulator Tanks, 2 Coolers & 3 Storage Tanks | 2-10-42 | 12-19-42 | 5-25-42 | 12-12-42 | 10-12-42 | 12-24-42 | 84 | 1-25-43 | 10-12-42 | 2-10-43 | 2-10-43 |
| 3055 | Oleum Storage Tanks: | | | | | | | | | | | |
| | Wave 1 - 2 Tanks | 2-10-42 | 12-19-42 | 4-29-42 | 9-12-42 | | 9-22-42 | 49 | 9-24-42 | 9-22-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 3 Tanks | 6-4-42 | 12-19-42 | 7-8-42 | 3-4-43 | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3055 | F-85 Storage Tanks: | | | | | | | | | | | |
| | Wave 1 - 1 Tank | 2-10-42 | 12-19-42 | 5-3-42 | 9-12-42 | | 11-17-42 | 49 | 9-24-42 | 10-13-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 1 Tank | 6-4-42 | 12-19-42 | 8-13-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3056 | TNT Residual Acid Storage Tanks: | | | | | | | | | | | |
| | Wave 1 - 4 Tanks | 2-10-42 | 12-19-42 | 4-19-42 | 9-18-42 | | 10-3-42 | 84 | 1-25-43 | 9-18-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 2 Tanks | 6-4-42 | 12-19-42 | 9-1-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3057 | Clear Sulphuric Acid Storage Tanks: | | | | | | | | | | | |
| | Wave 1 - 5 Tanks | 2-10-42 | 9-22-42 | 4-17-42 | 10-10-42 | | 10-10-42 | 84 | 1-25-43 | 12-10-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 2 Tanks | 6-4-42 | 9-22-42 | 8-11-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3058 | TNT Mixed Acid Storage Tank: | | | | | | | | | | | |
| | Wave 1 - 8 Tanks | 2-10-42 | 12-19-42 | 4-29-42 | 9-12-42 | | 10-1-42 | 84 | 1-25-43 | 10-3-42 | 2-10-43 | 2-10-43 |
| | Wave 4 - 2 Tanks | 6-4-42 | 12-19-42 | 8-22-42 | | | | 84 | 1-25-43 | | 2-10-43 | 2-10-43 |
| 3071 | Sellite Manufacturing Plant: | 3-9-42 | 12-8-42 | 6-11-42 | 11-7-42 | 10-30-42 | 12-1-42 | 84 | 1-25-43 | 10-31-42 | 3-5-43 | 3-5-43 |
| 3081 | Sulphuric Acid Concentrating House: | | | | | | | | | | | |
| | Wave 1 - Sulphuric Acid Concentrating Unit #1 | 2-27-42 | 1-4-43 | 5-30-42 | 1-2-43 | | 11-17-42 | 84 | 1-25-43 | 1-8-43 | 3-10-43 | 3-10-43 |
| | Unit #2 | | | | | 9-29-42 | 11-17-42 | 84 | 1-25-43 | 1-8-43 | 3-10-43 | 3-10-43 |
| | Unit #3 | | | | | | 10-22-42 | 84 | 1-25-43 | 1-8-43 | 3-10-43 | 3-10-43 |
| | Unit #4 | | | | | 12-24-42 | 1-27-43 | 84 | 1-25-43 | 1-8-43 | 3-10-43 | 3-10-43 |
| | Wave 4 - Sulphuric Acid Concentrating Unit #5 | 6-4-42 | 1-4-43 | 9-16-42 | | | | 84 | 1-25-43 | | 3-10-43 | 3-10-43 |
| | Unit #6 | | | | | | | 84 | 1-25-43 | | 3-10-43 | 3-10-43 |

| BLDG. POST NO. | DESCRIPTION | PLANNING BEGAN | PLANNING COMPLETE | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETE | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER SPECIFICATIONS RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER SPECIFICATIONS CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ACID AREA: (CONTD)** | | | | | | | | | | | |
| 3082 | Fuel Oil Storage Tanks: Wave 1 - 2 Tanks | 3-10-42 | 9-12-42 | 6-24-42 | 9-12-42 | | 10-3-42 | 84 | 1-25-43 | 9-10-42 | 2-3-43 | 2-3-43 |
| 3221 | Shop: | 3-14-42 | 11-17-42 | 5-15-42 | 9-22-42<br>10-1-42 | | 10-14-42 | 55 | 9-29-42 | 9-30-42 | 12-21-42 | 12-21-42 |
| 3761 | Laboratory, Supervisor's Office: | 2-18-42 | 11-12-42 | 5-8-42 | 11-9-42 | 10-31-42 | 11-23-42 | 34 | 8-11-42 | 8-14-42 | 12-21-42 | 12-21-42 |
| 3771 | Change House: | 3-4-42 | 11-2-42 | 5-13-42 | 10-6-42 | 10-31-42 | 12-1-42 | 68 | 12-18-42 | 10-8-42 | 12-21-42 | 12-21-42 |
| 3841 | Foamite House: (Wave 4) | 6-25-42 | 7-9-42 | 7-28-42 | 9-18-42 | | 11-17-42 | 68 | 12-18-42 | 12-1-42 | 2-3-43 | 2-3-43 |
| | Outside Process Lines: Wave 1 | 4-27-42 | 12-6-42 | 7-25-42 | 12-15-42 | | 10-1-42 | 89 | 2-23-43 | 10-2-42 | 3-11-43 | 3-11-43 |
| | Wave 4 | 6-4-42 | 12-6-42 | 11-16-42 | 2-6-43 | | 2-23-43 | 89 | 2-23-43 | 2-23-43 | 3-11-43 | 3-11-43 |
| | **POWER AREA:** | | | | | | | | | | | |
| 4011 | Power House | | | | | | 1-20-43 | 85 | 1-27-43 | 10-3-42 | 3-10-43 | 3-10-43 |
| | Boiler #1 | | | | | 10-26-42 | 1-20-43 | 85 | 1-27-43 | 10-3-42 | 3-10-43 | 3-10-43 |
| | Boiler #2 | 1-14-42 | 1-1-43 | 5-6-42 | 3-15-43 | 10-26-42 | 1-20-43 | 85 | 1-27-43 | 10-3-42 | 3-10-43 | 3-10-43 |
| | Boiler #3 | | | | | 10-26-42 | 1-20-43 | 85 | 1-27-43 | 10-3-42 | 3-10-43 | 3-10-43 |
| 4771 | Change House | 3-2-42 | 11-2-42 | 8-19-42 | 10-21-42 | 11-11-42 | 12-1-42 | 69 | 12-19-42 | 11-13-32 | 12-21-42 | 12-21-42 |
| | **WATER SUPPLY: (EXCEPT WATER LINES)** | | | | | | | | | | | |
| 5412 | Pumping Station | | | 6-23-42 | 12-4-42 | 10-14-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 3931 | Elev. Cooling Water Storage (Preload) | 5-29-42 | 9-16-42 | 6-13-42 | 10-24-42 | 12-26-42 | 1-27-43 | 76 | 1-5-43 | 12-30-42 | 2-3-43 | 2-3-43 |
| 5421 | Cooling Water Reservoir | 5-18-42 | 11-21-42 | 6-22-42 | 12-10-42 | 10-24-42 | 1-8-43 | 86 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5423 | Elev. Drinking Water Storage | 5-6-42 | 12-12-42 | 5-28-42 | 8-7-42 | 10-17-42 | 1-8-43 | 80 | 1-7-43 | 10-30-42 | 2-3-43 | 2-3-43 |
| 5431 | Surge Tank | 6-18-42 | 11-20-42 | 6-23-42 | 1-9-43 | 9-30-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5432 | Accelator #3C | 6-17-42 | 11-20-42 | 6-23-42 | 11-14-42 | 11-23-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5433 | Accelator #2B | 6-17-42 | 11-20-42 | 6-23-42 | 11-14-42 | 11-23-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5434 | Accelator #1A | 6-17-42 | 11-20-42 | 6-23-42 | 11-14-42 | 9-30-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5435 | Zeolite Filter #1 | | | | | 9-30-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5435 | Zeolite Filter #2 | | | | | 11-23-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5435 | Zeolite Filter #3 — Filter Building | 6-10-42 | 12-31-42 | 6-23-42 | 1-2-43 | 11-23-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5435 | Gravity Filter #1 — Filter Building | | | | | 11-23-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5435 | Gravity Filter #2 | | | | | 11-23-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5435 | Gravity Filter #3 | | | | | 9-30-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5436 | Chemical Storage | 6-10-42 | 11-20-42 | 6-23-42 | 1-2-43 | 9-30-42 | 2-4-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5437 | Recarbonization Basin | 5-26-42 | 11-20-42 | 6-22-42 | 10-1-42 | | 1-8-43 | 88 | 1-5-43 | 12-10-42 | 3-9-43 | 3-9-43 |
| 5438 | Slurry Pool | 6-15-42 | 10-27-42 | 6-22-42 | 9-28-42 | | 12-9-42 | 86 | 1-27-43 | 12-28-42 | 3-9-43 | 3-9-43 |
| 5441 | River Pumping Station | 1-16-42 | 11-4-42 | 6-2-42 | 12-5-42 | | 10-27-42 | 86 | 1-27-43 | 12-28-42 | 3-9-43 | 3-9-43 |
| 5442 | River Gate House & Valve House | 4-10-42 | 1-28-42 | 8-3-42 | 10-3-42 | | 10-27-42 | 86 | 1-27-43 | 12-28-42 | 3-9-43 | 3-9-43 |
| 5443 | River Intake Well | 4-10-42 | 1-27-42 | 6-2-42 | 9-19-42 | | 10-8-42 | | | | | |

| BLDG. POST NO. | DESCRIPTION | PLANNING BEGAN | PLANNING COMPLETED | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETED | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER INFORMATION RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER INFORMATION CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **WATER SUPPLY (EXCEPT WATER LINES) (CONTD.)** | | | | | | | | | | | |
| 5621 | **Fire Storage Reservoir** | 5-16-42 | 11-20-42 | 6-17-42 | 12-17-42 | 10-24-42 | 1-8-43 | 88 | 1-5-43 | 2-5-43 | 3-9-43 | 3-9-43 |
| 5622 | **Elev. Fire Protection Water Storage** | 6-11-42 | 9-12-42 | 6-18-42 | 8-29-42 | 10-17-42 | 11-18-42 | 67 | 12-18-42 | 10-20-42 | 2-3-43 | 2-3-43 |
| 5444 | **Creek Road Chlorination Station** | 1-9-43 | 3-1-43 | 2-11-43 | | 3-12-43 | | 90 | 3-13-43 | | 3-9-43 | 3-9-43 |
| | **SEWAGE DISPOSAL & ACID NEUTRALIZATION** | | | | | | | | | | | |
| 5612 | **Acid Neutralization Building** | 6-6-42 | 1-6-43 | 7-3-42 | 11-28-42 | 1-18-43 | 3-12-43 | 82 | 1-19-43 | 1-19-43 | 3-10-43 | 3-10-43 |
| 5613 | **Acid Neutralization Collection Tank** | 7-28-42 | 8-11-42 | 9-6-42 | 10-8-42 | 1-18-43 | 3-12-43 | 82 | 1-19-43 | 1-19-43 | 3-10-43 | 3-10-43 |
| 5671 | **Sewage Disposal Pump Station** | 4-23-42 | 2-2-43 | 6-13-42 | 9-24-42 | | 9-15-42 | 79 | 1-26-43 | 1-22-43 | 2-10-43 | 2-10-43 |
| 5672 | **Imhoff Tank** | 4-23-42 | 2-2-43 | 6-2-42 | 10-3-42 | | 9-15-42 | 79 | 1-26-43 | 1-22-43 | 2-10-43 | 2-10-43 |
| 5673 | **North Sludge Bed** | 4-20-42 | 2-2-43 | 6-15-42 | 7-24-42 | | 9-15-42 | 79 | 1-26-43 | 1-22-43 | 2-10-43 | 2-10-43 |
| 5674 | **South Sludge Bed** | 4-20-42 | 2-2-43 | 6-16-42 | 7-24-42 | | 9-15-42 | 79 | 1-26-43 | 1-22-43 | 2-10-43 | 2-10-43 |
| 5675 | **Venturi Vault** | 5-15-42 | 2-2-43 | 6-30-42 | 8-28-42 | 9-16-42 | 1-22-43 | 79 | 1-26-43 | 1-22-43 | 2-10-43 | 2-10-43 |
| 5676 | **Chlorine Contact Tank** | 4-23-42 | 2-2-43 | 7-4-42 | 9-12-42 | | 1-22-43 | 79 | 1-26-43 | 1-22-43 | 2-10-43 | 2-10-43 |
| 5691 | **Red & Yellow Mix Tank & Pump Station** | 7-4-42 | 3-1-43 | 7-11-42<br>1-27-43 | 10-19-42 | | | | | | 3-10-43 | 3-10-43 |
| 6011 | **Scale House** | 3-13-42 | 8-22-42 | 6-19-42 | 11-30-42 | 10-7-42 | 11-23-42 | 65 | 12-11-42 | 11-30-42 | 12-21-42 | 12-21-42 |
| 6331 | **Coat Room - Service House** | 3-10-42 | 6-13-42 | 5-1-42 | 11-30-42 | | 11-23-42 | 22 | 8-8-42 | 8-17-42 | 12-8-42 | 12-8-42 |
| 6741 | **Yardmasters, Supervisor's Office** | 2-25-42 | 11-3-42 | 6-29-42 | 11-9-42 | | 11-23-42 | 44 | 9-21-42 | 9-30-42 | 12-21-42 | 12-21-42 |
| 6111 | **Incinerator** | 9-14-42 | 12-18-42 | 9-28-42 | 11-7-42 | | 11-16-42 | 71 | 12-22-42 | 12-15-42 | 2-3-43 | 2-3-43 |
| | **BUILDINGS LOCATED BETWEEN ACID AND TNT AREAS** | | | | | | | | | | | |
| 6012 | **Scale House** | 3-13-42 | 5-13-42 | 7-27-42 | 12-1-42 | | 11-23-42 | 66 | 12-11-42 | 11-30-42 | 12-21-42 | 12-21-42 |
| | **SHOPS AREA:** | | | | | | | | | | | |
| 7041 | **Supervisor's Office** | 2-26-42 | 11-3-42 | 5-2-42 | 7-22-42 | | 10-15-42 | 17 | 8-8-42 | 8-11-42 | 12-8-42 | 12-8-42 |
| 7071 | **Change House - S1** | 3-2-42 | 11-2-42 | 5-8-42 | 7-23-42 | 8-4-42 | 12-1-42 | 20 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7072 | **Change House - S2** | 3-2-42 | 11-2-42 | 5-11-42 | 7-23-42 | 8-4-42 | 12-1-42 | 26 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7073 | **Change House - S3** | 3-2-42 | 11-2-42 | 5-8-42 | 7-24-42 | 8-4-42 | 12-1-42 | 27 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7074 | **Change House - S4** | 3-2-42 | 11-2-42 | 5-8-42 | 7-23-42 | 8-4-42 | 12-1-42 | 20 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7075 | **Change House - S5** | 3-2-42 | 11-2-42 | 5-8-42 | 7-21-42 | 8-4-42 | 12-1-42 | 23 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7131 | **General Storehouse** | 2-5-42 | 10-6-42 | 5-4-42 | 7-17-42 | 8-28-42 | 11-10-42 | 7 | 8-4-42 | 8-4-42 | 12-8-42 | 12-8-42 |
| 7141 | **Material Shed** | 2-5-42 | 6-1-42 | 5-9-42 | 7-17-42 | | 8-28-42 | 15 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7151 | **Oil and Paint Storage** | 2-14-42 | 2-25-42 | 5-1-42 | 7-22-42 | 10-12-42 | 11-16-42 | 33 | 8-8-42 | 8-6-42 | 12-8-42 | 12-8-42 |
| 7161 | **Garage & Repair Shop** | 2-13-42 | 11-16-42 | 5-5-42 | 7-30-42 | 7-31-42 | 1-4-43 | 28 | 8-8-42 | 8-11-42 | 12-8-42 | 12-8-42 |
| 7171 | **Combined shops** | 2-24-42 | 11-5-42 | 4-29-42 | 1-27-43 | 8-4-42 | | 42 | 8-8-42 | 8-8-42 | 12-8-42 | 12-8-42 |
| 7181 | **Locomotive House** | 2-24-42 | 10-27-42 | 5-7-42 | 11-15-42 | 8-4-42 | 11-17-42 | 31 | 8-8-42 | 8-8-42 | 12-8-42 | 12-8-42 |
| | **Fuel Oil Storage** | 2-24-42 | 10-27-42 | 7-25-42 | 7-31-42 | | 12-12-42 | 32 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7221 | **Riggers Shop - S1** | 3-4-42 | 11-17-42 | 5-4-42 | 7-21-42 | | 10-15-42 | 11 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7222 | **Millwright Shop - S2** | 3-5-42 | 11-17-42 | 5-4-42 | 7-21-42 | | 10-15-42 | 12 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7231 | **Laundry** | 3-4-42 | 11-17-42 | 5-6-42 | 10-10-42 | | 10-12-42 | 24 | 8-8-42 | 8-15-42 | 12-8-42 | 12-8-42 |
| 7241 | **Gasoline Station - Bulk** | 3-13-42 | 6-26-42 | 7-18-42 | 12-3-42 | | 12-29-42 | 63 | 12-11-42 | 12-12-42 | 2-3-43 | 2-3-43 |

| BLDG. POST NO. | DESCRIPTION T.N.T. AREA: (CONTD) | PLANNING BEGAN | PLANNING COMPLETED | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETED | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER INFORMATION RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER INFORMATION CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8126 | Acid & Fume Recovery Bldg. -F | 2-4-42 | 9-30-42 | 6-3-42 | 1-28-43 | 12-15-42 | 1-23-43 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| 8141 | Box Factory | 3-4-42 | 7-8-42 | 5-13-42 | 2-12-42 | 10-28-42 | 2-13-43 | 62 | 12-11-42 | 8-11-42 | 12-21-42 | 12-21-42 |
| 8212 | Inspector's Office & Laboratory -A-T1 | 2-26-42 | 6-6-42 | 5-8-42 | 11-2-42 | | 11-23-42 | 42 | 9-10-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8214 | Inspector's Office & Laboratory -B-T2 | 2-25-42 | 6-6-42 | 5-5-42 | 10-10-42 | | 11-23-42 | 40 | 8-28-42 | 8-31-42 | 12-21-42 | 12-21-42 |
| 8222 | Shops - A-T1 | 3-4-42 | 11-17-42 | 5-12-42 | 1-26-43 | 10-5-42 | 10-31-42 | 42 | 9-10-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8224 | Shops - B-T2 | 3-4-42 | 11-17-42 | 5-5-42 | 1-26-43 | 10-5-42 | 10-31-42 | 42 | 9-10-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8226 | Shops - C-T3 | 3-4-42 | 11-17-42 | 5-12-42 | 1-26-43 | 10-5-42 | 10-31-42 | 43 | 9-18-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8272 | Comfort Station - A | 3-6-42 | 3-13-42 | 7-16-42 | 9-5-42 | | 8-24-42 | 39 | 8-28-42 | 8-31-42 | 12-21-42 | 12-21-42 |
| 8274 | Comfort Station - B | 3-6-42 | 3-13-42 | 7-16-42 | 9-5-42 | | 8-24-42 | 39 | 8-28-42 | 8-31-42 | 12-21-42 | 12-21-42 |
| 8276 | Comfort Station - C | 3-6-42 | 3-13-42 | 7-16-42 | 9-5-42 | | 8-24-42 | 39 | 8-28-42 | 8-31-42 | 12-21-42 | 12-21-42 |
| 8451 | Compressor House | 4-30-42 | 11-17-42 | 6-3-42 | 11-24-42 | 10-12-42 | 12-16-42 | 62 | 12-11-42 | 10-12-42 | 12-21-42 | 12-21-42 |
| 8581 | Start Up Mixed Acid Storage - A | 3-18-42 | 6-6-42 | 5-22-42 | 10-8-42 | 10-1-42 | 2-23-43 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8583 | Start Up Mixed Acid Storage - B | 3-18-42 | 6-6-42 | 5-22-42 | 12-28-42 | 11-9-42 | 2-23-43 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8585 | Start Up Mixed Acid Storage - C | 3-18-42 | 6-6-42 | 6-1-42 | 1-23-43 | | 12-7-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| 8742 | Supervisor's Office - A-T1 | 2-26-42 | 3-25-42 | 5-8-42 | 1-26-43 | 10-31-42 | 11-23-42 | 35 | 8-11-42 | 8-14-42 | 12-21-42 | 12-21-42 |
| 8744 | Supervisor's Office - B-T2 | 2-26-42 | 3-25-42 | 5-14-42 | 1-26-43 | 10-31-42 | 11-23-42 | 42 | 9-10-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8746 | Supervisor's Office - C-T3 | 2-26-42 | 3-25-42 | 5-16-42 | 1-26-43 | 10-31-42 | 11-23-42 | 43 | 9-18-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8762 | Laboratory - A-T1 | 2-25-42 | 9-26-42 | 5-11-42 | 1-26-43 | | 10-31-42 | 62 | 12-11-42 | 12-18-42 | 12-21-42 | 12-21-42 |
| 8764 | Laboratory - B-T2 | 2-25-42 | 9-26-42 | 5-5-42 | 1-26-43 | 10-31-42 | 12-18-42 | 62 | 12-11-42 | 12-18-42 | 12-21-42 | 12-21-42 |
| 8766 | Laboratory - C-T3 | 2-25-42 | 9-26-42 | 5-11-42 | 1-26-43 | 10-31-42 | 12-18-42 | 62 | 12-11-42 | 12-18-42 | 12-21-42 | 12-21-42 |
| 8772 | Change House - A-T1 | 3-4-42 | 11-2-42 | 5-12-42 | 1-26-43 | 10-31-42 | 12-1-42 | 42 | 9-10-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8774 | Change House - B-T2 | 3-4-42 | 11-2-42 | 5-5-42 | 1-26-43 | 10-31-42 | 12-1-42 | 42 | 9-10-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8776 | Change House - C-T3 | 3-4-42 | 11-2-42 | 5-9-42 | 1-26-43 | 10-31-42 | 12-1-42 | 43 | 9-18-42 | 9-18-42 | 12-21-42 | 12-21-42 |
| 8791 | Auxiliary Fire Headquarters | 5-13-42 | 5-27-42 | 6-23-42 | 10-8-42 | 11-13-42 | 12-19-42 | 62 | 12-11-42 | 10-26-42 | 12-21-42 | 12-21-42 |
| 8841 | Foamite Building | 6-25-42 | 7-9-42 | 7-21-42 | 10-15-42 | 8-17-42 | 10-14-42 | 38 | 8-28-42 | 8-21-42 | 2-3-43 | 2-3-43 |
| | Area Electrical. | 5-9-42 | 7-23-42 | 9-3-42 | 1-27-43 | 12-9-42 | 2-8-43 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | O. V. Storage - A | 1-28-42 | 5-29-42 | 5-9-42 | 10-13-42 | | 10-1-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | O. V. Storage - B | 1-28-42 | 5-29-42 | 4-19-42 | 10-14-42 | | 10-1-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | O. V. Storage - C | 1-28-42 | 5-29-42 | 5-18-42 | 11-7-42 | | 11-9-42 | 62 | 12-11-42 | 11-12-42 | 2-10-43 | 2-10-43 |
| | O. V. Storage - D | 1-28-42 | 5-29-42 | 5-19-42 | 11-28-42 | | 11-30-42 | 62 | 12-11-42 | 12-10-42 | 2-10-43 | 2-10-43 |
| | O. V. Storage - E | 1-28-42 | 5-29-42 | 6-1-42 | 12-19-42 | | 12-15-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| | O. V. Storage - F | 1-28-42 | 5-29-42 | 5-30-42 | 1-28-43 | | 12-15-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| | Barricades - A | 1-30-42 | 2-6-42 | 6-23-42 | 8-31-42 | | 10-1-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | Barricades - B | 1-30-42 | 2-6-42 | 6-7-42 | 8-31-42 | | 10-1-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | Barricades - C | 1-30-42 | 2-6-42 | 6-11-42 | 9-1-42 | | 11-9-42 | 62 | 12-11-42 | 11-12-42 | 2-10-43 | 2-10-43 |
| | Barricades - D | 1-30-42 | 2-6-42 | 6-15-42 | 9-1-42 | | 11-30-42 | 62 | 12-11-42 | 12-10-42 | 2-10-43 | 2-10-43 |
| | Barricades - E | 1-30-42 | 2-6-42 | 6-16-42 | 8-31-42 | | 12-15-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| | Barricades - F | 1-30-42 | 2-6-42 | 6-16-42 | 9-15-42 | | 12-15-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| | Outside Process Lines - A | 4-14-42 | 11-6-42 | 6-30-42 | 9-22-42 | | 10-1-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | Outside Process Lines - B | 4-14-42 | 11-6-42 | 6-30-42 | 9-26-42 | | 10-1-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | Outside Process Lines - C | 4-14-42 | 11-6-42 | 7-15-42 | 10-5-42 | | 11-9-42 | 62 | 12-11-42 | 11-12-42 | 2-10-43 | 2-10-43 |
| | Outside Process Lines - D | 4-14-42 | 11-6-42 | 8-1-42 | 1-9-42 | | 12-7-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| | Outside Process Lines - E | 4-14-42 | 11-6-42 | 8-20-42 | 1-23-42 | | 12-7-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| | Outside Process Lines - F | 4-14-42 | 11-6-42 | 8-28-42 | 1-23-42 | | 12-7-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |

| BLDG. POST NO. | DESCRIPTION | PLANNING BEGAN | PLANNING COMPLETED | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETED | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER INFORMATION RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER INFORMATION CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7251 | Parking Garage - Buses | 3-6-42 | 7-5-42 | 5-4-42 | 7-17-42 | | 8-1-42 | 16 | 8-8-42 | 8-11-42 | 12-8-42 | 12-8-42 |
| 7261 | Acetylene Storage | 3-14-42 | 3-21-42 | 5-1-42 | 6-30-42 | | 7-2-42 | 9 | 7-13-42 | 7-13-42 | 12-8-42 | 12-8-42 |
| 7351 | Meeting House - S1 | 3-10-42 | 6-13-42 | 5-1-42 | 8-28-42 | | 10-3-42 | 63 | 12-11-42 | 10-8-42 | 12-21-42 | 12-21-42 |
| | TNT AREA: | | | | | | | | | | | |
| 8011 | Mono-Nitrating House - A | 2-3-42 | 10-26-42 | 5-11-42 | 10-15-42 | 10-1-42 | 10-20-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8012 | Mono-Nitrating House - B | 2-3-42 | 10-26-42 | 5-11-42 | 10-16-42 | 10-1-42 | 10-20-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8013 | Mono-Nitrating House - C | 2-3-42 | 10-26-42 | 5-16-42 | 10-28-42 | 11-9-42 | 11-23-42 | 62 | 12-11-42 | 11-12-42 | 2-10-43 | 2-10-43 |
| 8014 | Mono-Nitrating House - D | 2-3-42 | 10-26-42 | 5-17-42 | 1-9-43 | 11-30-42 | 1-28-43 | 72 | 12-11-42 | 12-10-42 | 2-10-43 | 2-10-43 |
| 8015 | Mono-Nitrating House - E | 2-3-42 | 10-26-42 | 5-30-42 | 1-22-43 | 12-15-42 | 1-28-43 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| 8016 | Mono-Nitrating House - F | 2-3-42 | 10-26-42 | 6-1-42 | 1-28-43 | 12-15-42 | 1-28-43 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| 8021 | Bi & Tri Nitrating House - A | 2-3-42 | 10-27-42 | 5-7-42 | 10-15-42 | 10-1-42 | 10-20-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8022 | Bi & Tri Nitrating House - B | 2-3-42 | 10-27-42 | 5-8-42 | 10-16-42 | 10-1-42 | 10-20-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8023 | Bi & Tri Nitrating House - C | 2-3-42 | 10-27-42 | 5-16-42 | 11-20-42 | 11-9-42 | 11-23-42 | 62 | 12-11-42 | 11-12-42 | 2-10-43 | 2-10-43 |
| 8024 | Bi & Tri Nitrating House - D | 2-3-42 | 10-27-42 | 5-18-42 | 12-5-42 | | 11-30-42 | 62 | 12-11-42 | 12-10-42 | 2-10-43 | 2-10-43 |
| 8025 | Bi & Tri Nitrating House - E | 2-3-42 | 10-27-42 | 5-29-42 | 12-19-42 | | 12-15-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| 8026 | Bi & Tri Nitrating House - F | 2-3-42 | 10-27-42 | 6-5-42 | 1-28-43 | | 12-15-42 | 72 | 12-23-42 | 12-15-42 | 2-10-43 | 2-10-43 |
| 8031 | Fortifying House - A | 2-3-42 | 10-16-42 | 5-13-42 | 10-14-42 | 10-1-42 | 10-23-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8032 | Fortifying House - B | 2-3-42 | 10-16-42 | 5-14-42 | 10-14-42 | 10-1-42 | 10-20-42 | 54 | 10-26-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| 8033 | Fortifying House - C | 2-3-42 | 10-16-42 | 5-22-42 | 10-28-42 | 11-9-42 | 11-23-42 | 62 | 12-11-42 | 11-12-42 | 2-10-43 | 2-10-43 |
| 8034 | Fortifying House - D | 2-3-42 | 10-16-42 | 5-19-42 | 1-9-43 | 11-30-42 | 1-28-43 | 72 | | 12-10-42 | 2-10-43 | 2-10-43 |
| 8035 | Fortifying House - E | 2-3-42 | 10-16-42 | 5-29-42 | 1-15-43 | 12-15-42 | 1-28-43 | 72 | | 12-15-42 | 2-10-43 | 2-10-43 |
| 8036 | Fortifying House - F | 2-3-42 | 10-16-42 | 6-1-42 | 1-28-43 | 12-15-42 | 1-28-43 | 72 | | 12-15-42 | 2-10-43 | 2-10-43 |
| 8041 | Toluene Storage Tanks - Working-A-T1 | 2-25-42 | 4-10-42 | 5-9-42 | 10-10-42 | | | | | | 2-10-43 | 2-10-43 |
| 8043 | Toluene Storage Tanks - Working-B-T2 | 2-25-42 | 4-14-42 | 5-18-42 | 11-20-42 | | | | | | 2-10-43 | 2-10-43 |
| 8045 | Toluene Storage Tanks - Working-C-T3 | 2-25-42 | 4-13-42 | 5-8-42 | 12-19-42 | | | | | | 2-10-43 | 2-10-43 |
| 8046 | Toluene Storage Tanks - Bulk-A | 2-25-42 | 4-28-42 | 6-1-42 | 8-15-42 | | | | | | | |
| 8047 | Toluene Storage Tanks - Bulk-B | 2-25-42 | 5-26-42 | 6-15-42 | 8-2-42 | | | | | | | |
| 8048 | Toluene Storage Tanks - Bulk-C | 2-25-42 | 4-25-42 | 5-28-42 | 7-28-42 | | | | | | | |
| 8061 | Wash House - A | 2-3-42 | 9-1-42 | 5-1-42 | 10-15-42 | | | | | | | |
| 8062 | Wash House - B | 2-3-42 | 9-4-42 | 5-13-42 | 10-15-42 | | | | | | | |
| 8063 | Wash House - C | 2-3-42 | 9-4-42 | 5-22-42 | 10-28-42 | | | | | | | |
| 8064 | Wash House - D | 2-3-42 | 9-4-42 | 5-29-42 | 11-30-42 | | | | | | | |
| 8065 | Wash House - E | 2-3-42 | 9-4-42 | 6-5-42 | 12-15-42 | | | | | | | |
| 8066 | Wash House - F | 2-3-42 | 9-4-42 | 6-15-42 | 1-28-43 | | | | | | | |
| 8082 | Boiling House - A | 2-3-42 | 9-4-42 | 5-25-42 | 10-10-42 | | | | | | | |
| 8084 | Boiling House - B | 2-3-42 | 9-4-42 | 6-3-42 | 10-10-42 | | | | | | | |
| 8086 | Boiling House - C | 2-3-42 | 9-4-42 | 6-10-42 | 12-15-42 | | | | | | | |
| 8121 | Acid & Fume Recovery Bldg. A | 2-3-42 | 9-4-42 | 5-5-42 | 10-29-42 | | | | | | | |
| 8122 | Acid & Fume Recovery Bldg. B | 2-3-42 | 9-4-42 | 5-11-42 | 10-15-42 | | | | | | | |
| 8123 | Acid & Fume Recovery Bldg. C | 2-3-42 | 9-4-42 | 5-19-42 | 10-24-42 | | | | | | | |
| 8124 | Acid & Fume Recovery Bldg. D | 2-3-42 | 9-10-42 | 5-16-42 | 12-5-42 | 11-30-42 | | | | | | |
| 8125 | Acid & Fume Recovery Bldg. E | 2-3-42 | 9-10-42 | 6-3-42 | 12-19-42 | 12-15-42 | | | | | | |

CONSTRUCTION DATA - SECTION "a"

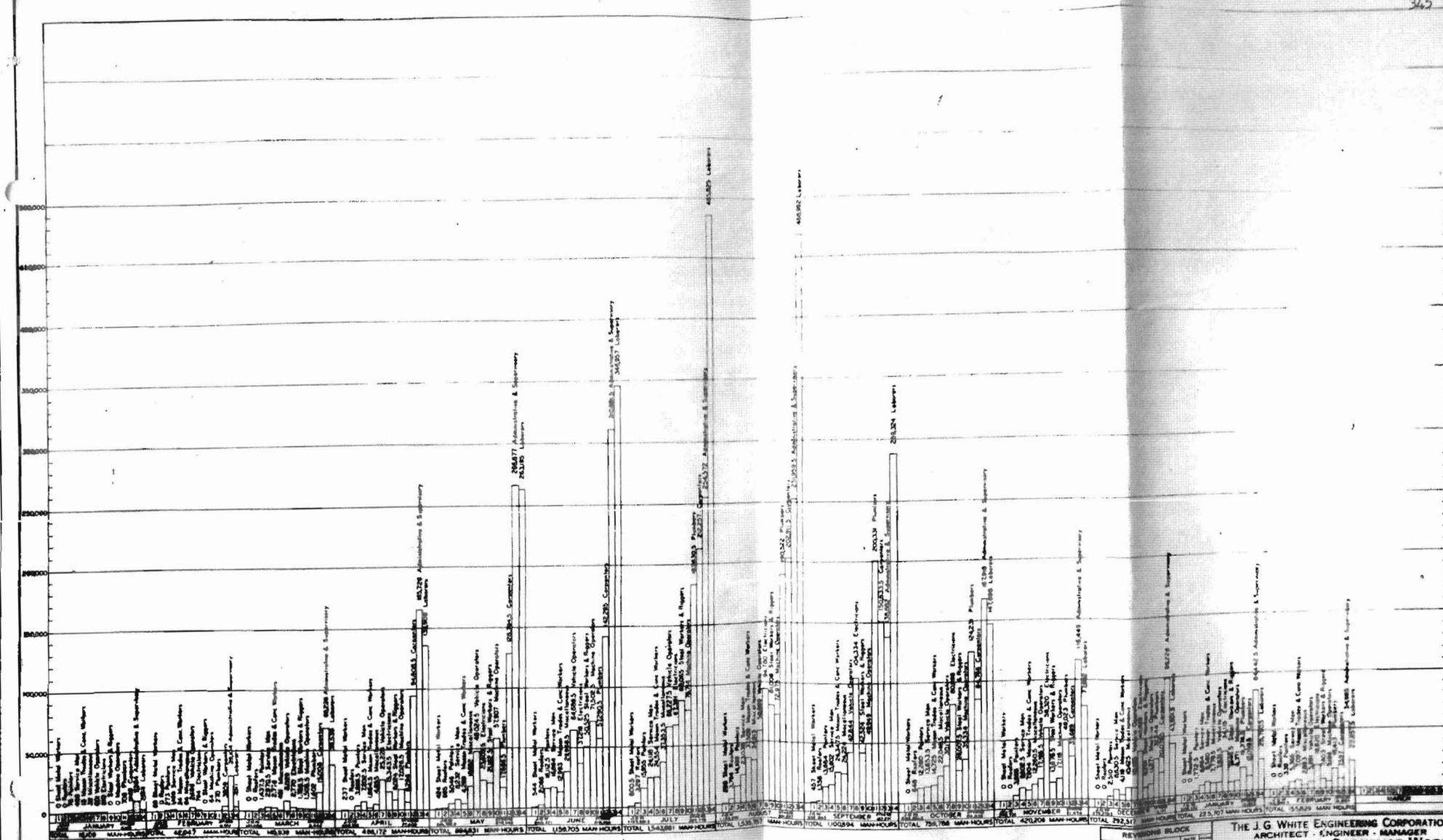
Dates Sheet 7 of 8

| BLDG. POST NO. | DESCRIPTION MAGAZINE AREA: | PLANNING BEGAN | PLANNING COMPLETED | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETED | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER INFORMATION RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER INFORMATION CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9001-9038 | Magazines (Igloos), numbered E-W on each street beginning with "A" Street | 3-3-42 | 4-14-42 | 4-22-42 | 8-22-42 | | 10-7-42 | 41 | 9-10-42 | 9-3-42 | 2-3-43 | 2-3-43 |
| 9211 | Loading Docks - Transfer Platforms - M1 | 4-30-42 | 5-14-42 | 7-10-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9212 | Loading Docks - Transfer Platforms -M2 | 4-30-42 | 5-14-42 | 7-9-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9213 | Loading Docks - Transfer Platforms -M3 | 4-30-42 | 5-14-42 | 7-8-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9214 | Loading Docks - Transfer Platforms -M4 | 4-30-42 | 5-14-42 | 6-29-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9215 | Loading Docks - Transfer Platforms -M5 | 4-30-42 | 5-14-42 | 6-28-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9216 | Loading Docks - Transfer Platforms -M6 | 4-30-42 | 5-14-42 | 6-27-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9217 | Barricades for Loading Docks (Transfer Platforms) | 7-28-42 | 8-12-42 | 8-15-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9218 | Barricades for Loading Docks (Transfer Platforms) | 7-29-42 | 8-12-42 | 8-7-42 | 9-9-42 | | 10-13-42 | 64 | 12-11-42 | 10-15-42 | 2-3-43 | 2-3-43 |
| 9221 | Checking Lumber Shop - M1 | 2-26-42 | 3-7-42 | 6-11-42 | 7-21-42 | 8-4-42 | 11-10-42 | 29 | 8-8-42 | 8-8-42 | 12-8-42 | 12-8-42 |
| 9222 | Checking Lumber Shop - M2 | 2-26-42 | 3-7-42 | 5-13-42 | 7-21-42 | 8-4-42 | 11-10-42 | 30 | 8-8-42 | 8-8-42 | 12-8-42 | 12-8-42 |
| | BUILDINGS IN VICINITY OF MAGAZINE AREAS | | | | | | | | | | | |
| 9241 | Gasoline Station - 1,000 Gal. - M1 | 3-13-42 | 6-26-42 | 7-8-42 | 12-3-42 | | 10-31-42 | 64 | 12-11-42 | 12-12-42 | 2-3-43 | 2-3-43 |
| 9551 | Coat Room - Service House - M1 | 3-10-42 | 6-13-42 | 5-1-42 | 8-28-42 | | 8-4-42 | 14 | 8-8-42 | 8-17-42 | 12-8-42 | 12-8-42 |
| 9742 | Supervisor's Office - M1 | 2-26-42 | 3-25-42 | 5-8-42 | 1-27-43 | | 12-29-42 | 64 | 12-11-42 | 10-5-42 | 12-21-42 | 12-21-42 |
| 9771 | Change House - M1 | 3-2-42 | 11-2-42 | 5-9-42 | 7-10-42 | 7-25-42 | 12-1-42 | 25 | 8-8-42 | 8-7-42 | 12-8-42 | 12-8-42 |
| | UTILITIES AND FACILITIES | | | | | | | | | | | |
| | Primary and Secondary Systems | 3-14-42 | 3-5-42 | 6-16-42 | 12-26-42 | | 2-8-43 | 87 | 1-30-43 | 2-8-43 | 3-11-43 | 3-11-43 |
| | Street Lighting System | 6-26-42 | 3-1-42 | 7-28-42 | 2-6-43 | | 2-8-43 | 87 | 1-30-43 | 2-8-43 | 3-11-43 | 3-11-43 |
| | Automatic Telephone System | 4-15-42 | 2-27-43 | 4-29-42 | 1-30-43 | | 1-7-43 | 86 | 3-25-43 | | 3-11-43 | 3-11-43 |
| | Drinking Water Lines | 3-20-42 | 11-30-42 | 6-1-42 | 8-15-42 | 8-8-42 | 11-6-42 | 48 | 9-23-42 | 9-21-42<br>12-24-42 | 3-11-43 | 3-11-43 |
| | 12" Water Line | 3-18-42 | 1-27-43 | 6-9-42 | 8-15-42 | | 12-18-42 | 83 | 1-19-43 | 1-14-43 | 3-11-43 | 3-11-43 |
| | Process Water Lines | 3-20-42 | 11-30-42 | 6-1-42 | 8-1-42 | | 9-18-42 | 47 | 9-22-42 | 9-21-42 | 3-11-43 | 3-11-43 |
| | Fire Water Lines | 3-20-42 | 11-30-42 | 6-1-42 | 8-15-42 | 9-30-42 | 11-23-42 | 52 | 10-2-42 | 10-2-42 | 3-11-43 | 3-11-43 |
| | Cooling Water Lines | 3-20-42 | 11-30-42 | 6-1-42 | 8-22-42 | | 10-1-42 | 59 | 10-2-42 | 10-2-42 | 3-11-43 | 3-11-43 |
| | Boiler Feed Water Line | 3-20-42 | 11-30-42 | 6-1-42 | 8-22-42 | | 10-1-42 | 47 | 9-22-42 | 9-21-42 | 3-9-43 | 3-9-43 |

CONSTRUCTION DATA - SECTION "a"

Dates Sheet 2 of 8

| BLDG. POST NO. | DESCRIPTION UTILITIES AND FACILITIES (CONTD) | PLANNING BEGAN | PLANNING COMPLETED | CONSTRUCTION BEGAN | CONSTRUCTION COMPLETED | ACCEPTANCE BY AREA ENGINEER WITH EXCEPTIONS | ACCEPTANCE BY AREA ENGINEER COMPLETE | TRANSFERRED TO USING SERVICE SERIAL NO. OF FORM #290 | TRANSFERRED TO USING SERVICE DATE #290 SENT TO AREA ENGINEER | TRANSFERRED TO USING SERVICE DATE TRANSFERRED TO ORDNANCE | TRANSFER OF PLANS AND OTHER INFORMATION RECORD DRAWINGS SPECIFICATIONS | TRANSFER OF PLANS AND OTHER INFORMATION CONTRACTS GUARANTEES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $CO^2$ Line Pump House to Research Basin | 8-3-42 | 8-17-42 | 8-10-42 | 8-22-42 | | 12-9-42 | 88 | 2-5-43 | 2-5-43 | 3-8-43 | 3-8-43 |
| | Steam and Air Lines (Outside) | 3-17-42 | 11-20-42 | 4-1-42 | 11-28-42 | | 12-7-42 | 81 | 1-13-43 | 12-14-42 | 2-10-43 | 2-10-43 |
| | Outfall to River | 5-15-42 | 11-2-42 | 6-9-42 | 9-12-42 | | 8-30-42 | 78 | 1-5-43 | 12-23-42 | 3-10-43 | 3-10-43 |
| | Sewage Outfall from Treatment Plant to Head Tank | 5-15-42 | 11-2-42 | 6-8-42 | 9-19-42 | | 10-1-42 | 57 | 10-1-42 | 10-2-42 | 3-10-43 | 3-10-43 |
| | Sanitary Sewer Lines to Treatment Plant | 2-14-42 | 2-9-43 | 6-20-42 | 9-5-42 | | 9-19-42 | 53 | 9-19-42 | 9-22-42 | 2-10-43 | 2-10-43 |
| | Acid Sewers | 2-14-42 | 2-9-43 | 6-8-42 | 8-22-42 | | 10-1-42 | 60 | 10-1-42 | 10-2-42 | 3-10-43 | 3-10-43 |
| | Red and Yellow Water Sewer | 2-14-42 | 2-9-43 | 7-6-42 | 9-12-42 | | 10-1-42 | 58 | 10-1-42 | 10-2-42 | 2-10-43 | 2-10-43 |
| | Storm Sewers | 2-25-42 | 12-22-42 | 5-28-42 | 9-12-42 | | 11-19-42 | 74 | 1-5-43 | 12-24-42 | 2-22-43 | 2-22-43 |
| | Oxygen, Acetylene & Hydrogen Manifold System | | | 9-8-42 | 11-4-42 | 12-16-42 | 1-29-43 | 83 | 1-19-43 | 1-12-43 | 3-11-43 | 3-11-43 |
| | T.N.T. Residual Acid Line | 8-4-42 | 9-24-42 | 9-15-42 | 12-5-42 | 11-21-42 | 12-5-42 | 81 | 1-13-43 | 11-23-42 | 2-10-43 | 2-10-43 |
| | 10 Hose Reel Sheds | 6-20-42 | 7-4-42 | 9-2-42 | 12-19-42 | | 11-7-42 | 70 | 12-22-42 | 12-12-42 | 2-3-43 | 2-3-43 |
| | Drainage Ditches | 2-25-42 | 12-22-42 | 3-1-42 | 10-31-42 | | 11-19-42 | 46 | 9-21-42 | 12-24-42 | 2-22-43 | 2-22-43 |
| | Open Drainage Ditches | 2-25-42 | 12-22-42 | 3-1-42 | 10-21-42 | | 11-19-42 | 74 | 1-5-43 | 12-24-42 | 2-22-43 | 2-22-43 |
| | ~~Guard Reporting System~~ | ~~4-15-42~~ | ~~2-27-43~~ | ~~10-21-42~~ | ~~2-27-43~~ | | 1-7-43 | 93 | 3-19-43 | | 3-11-43 | 3-11-43 |
| | Fire Alarm System | 7-7-42 | 1-25-43 | 10-21-42 | 2-27-43 | | 2-26-43 | 91 | 3-11-43 | | 3-11-43 | 3-11-43 |
| | Railroad | 2-15-42 | 12-16-42 | 3-1-42 | 10-3-42 | | 11-23-42 | 45 | 10-6-42 | 10-14-42 | 2-10-43 | 2-10-43 |
| | 28 Sentry Houses | 4-17-42 | 9-17-42 | 6-23-42 | 12-12-42 | 12-22-42 | 1-27-43 | 75 | 1-5-43 | 12-24-42 | 2-3-43 | 2-3-43 |
| | All Roads, Including Drives, Culverts, Drainage | 5-6-42 | 1-12-43 | 4-1-42 | 12-12-42 | | 12-11-42 | 73 | 1-5-43 | 1-2-43 | 2-19-43 | 2-19-43 |
| | Outer Boundary Fence | 5-25-42 | 11-23-42 | 6-26-42 | 9-26-42 | | 10-16-42 | 77 | 1-5-43 | 10-16-42 | 2-3-43 | 2-3-43 |
| | Inner Fence | 5-12-42 | 5-10-42 | 4-2-42 | 12-10-42 | | 12-19-42 | 77 | 1-5-43 | 1-1-43 | 2-3-43 | 2-3-43 |
| | Parking Areas Rear of 703 & Station 2 to 4-80 on K Avenue | 5-21-42 | 6-4-42 | 8-24-42 | 10-17-42 | | | 61 | 10-6-42 | 10-8-42 | 2-19-43 | 2-19-43 |
| | Parking Lots (Main) | 5-27-42 | 4-10-42 | 4-23-42 | 8-1-42 | 8-18-42 | 12-11-42 | 36 | 8-22-42 | 8-21-42 | 2-19-43 | 2-19-43 |
| | Cinder Walks | 8-1-42 | 1-12-43 | 9-15-42 | 5-5-43 | | 3-11-42 | 92 | 3-16-43 | | 2-19-43 | 2-19-43 |




**EXPLANATION**

2. Roofers - Includes Waterproofers.
4. Service Men - Includes Fuel Distributors, Garage Attendants, Auxiliary Features Service Men.
5. Mason Tenders & Concrete Workers - Includes Bricklayers, Painters, Stone Masons, Concrete Finishers, & Plasterers
6. Miscellaneous - Includes Oilers, Firemen, Lead Burners & Asbestos Workers.
10. Machine Operators - Includes Equipment Operators of construction equipment, such as bulldozers, tractors, earthmovers, trench diggers, concrete mixers, dumpers, rollers, etc
11. Plumbers - Includes Steamfitters & Pipefitters.
12. Administrative & Supervisory - Includes all Office Personnel, Inspectors, Storekeepers, Draftsmen, Engineers, Superintendents & Assistants, General Foremen & Foremen, & Labor Pushers

REVISIONS BLOCK

THE J. G WHITE ENGINEERING CORPORATION
ARCHITECT - ENGINEER - MANAGER
YOUNGSTOWN, NEW YORK

# LAKE ONTARIO ORDNANCE WORKS

## LABOR DISTRIBUTION CHART
SHOWING
MAN-HOURS WORKED EACH MONTH
A/E/M AND OTHER CONTRACTORS

DATE MARCH 31, 1943

Drawn G.N.F. Checked A.L.B. Drawing No. C-182

400. The A-E-M sent its first personnel from New York City during the first week in January. Office, clerical, drafting and other personnel were interviewed and employed during the first seven weeks at the offices in the Tugwell-Wiseman Canning Factory at Modeltown.

401. On February 17, 1942 the A-E-M opened an Employment Office at 360-362 Third Street in Niagara Falls. This office was maintained until September 12, 1942 when the A-E-M's Employment Office was discontinued in Niagara Falls and moved into the Project.

402. On January 2, 1942 a Wage Scale for the Project was issued by the Department of Labor at Washington, D. C. Employees hired by the A-E-M had to be paid these rates. It was soon found that the authorized wage scale for certain crafts was less than the local wage rates, also that other prime contractors and subcontractors, not bound by this scale, were hiring men at higher rates of pay than were permitted to the A-E-M. The Wage Scale of Jan.2,1942 is shown on pages 353,354.

403. In order to rectify this situation, and also to equalize wages with later changes in the Niagara Falls and Buffalo wage scales, the Department of Labor issued eighteen Wage Adjustment Orders over a period of eight months. These applied to the A-E-M Contract No. DA-W-138 Eng.-1, Date of Contract - December 30, 1941, Date of Determination - January 2, 1942, and were issued by the War Department, Office Chief of Engineers, Construction Division, as follows:

WAGE ADJUSTMENT ORDERS

| NO. | CLASSIFICATION | BASIC RATE | REVISED BASIC RATE | REMARKS | EFFECTIVE DATE |
|---|---|---|---|---|---|
| 1 | All classifications of laborers and mechanics, including helpers and apprentices | | | Rate for work in excess of 8 hours each day-Saturday Rate - Sunday & Holiday Rate. $1\frac{1}{2}$ x Basic Rate | 12/30/41 |
| 2 | Electricians | $1.375 per hour | $1.50 per hour | The adjusted basic wage conforms to local prevailing practice as indicated by factual evidence available to this office. | 3/5/42 |

## 403. WAGE ADJUSTMENT ORDERS

(Continued)

| NO. | CLASSIFICATION | BASIC RATE Per Hr. | REVISED BASIC RATE Per Hr. | REMARKS | EFFECTIVE DATE |
|---|---|---|---|---|---|
| 3 | Mechanic, Auto | $0.90 | | These are additional classifications established on the Project by mutual agreement of all interested parties | 4/12/42 |
| | Mechanics Helper, Auto | 0.75 | | | |
| 4 | Plumbers | 1.425 | $1.50 | The adjusted basic wages conform to local prevailing practice as indicated by factual evidence available to this office | 3/5/42 |
| | Steamfitters | 1.425 | 1.50 | | |
| 5 | Air Tool Operators (jackhammer-vibrator) | 0.80 | 0.95 | The adjusted basic wages conform to local prevailing practice as indicated by factual evidence available in this office. | 5/1/42 |
| | Carpenter, journeyman | 1.35 | 1.50 | | |
| | Laborers, building | 0.68 | 0.85 | | |
| | Laborers, unskilled | 0.68 | 0.85 | | |
| | Mason tenders | 0.68 | 0.95 | | |
| | Mortar Mixers | 0.68 | 0.95 | | |
| | Plasterers tenders | 0.68 | 0.95 | | |
| | Wreckers | 0.68 | 0.85 | | |
| | Power Equipment Operators: | | | | |
| | Blade Graders | 1.25 | 1.50 | | |
| | Bulldozers | 1.25 | 1.50 | | |
| | Cranes, derricks draglines | 1.50 | 1.75 | | |
| | Finishing Machine (cem.conc.paver) | 1.25 | 1.50 | | |
| | Hoists | 1.25 | 1.50 | | |
| | Motor Graders | 1.25 | 1.50 | | |
| | Pile drivers | 1.50 | 1.75 | | |
| | Rollers | 1.25 | 1.50 | | |
| | Shovels | 1.50 | 1.75 | | |
| | Tractors | 1.25 | 1.50 | | |

## 403. WAGE ADJUSTMENT ORDERS
(Continued)

| NO. | CLASSIFICATION | BASIC RATE Per Hr. | REVISED BASIC RATE Per Hr. | REMARKS | EFFECTIVE DATE |
|---|---|---|---|---|---|
| 6 | Cement Finisher's Helper | $0.95 | | This additional classification has been found necessary for completion of the project. The classification and rate conform to local prevailing practice as indicated by factual evidence available to this office | 5/1/42 |
| 7 | Ironworker<br>Structural<br>Ornamental<br>Reinforcing | <br>1.50<br>1.50<br>1.50 | <br>1.625<br>1.625<br>1.625 | The adjusted basic rate conforms to local prevailing practice as indicated by factual evidence available to this office | 5/1/42 |
| 8 | Power Equipment Operators<br>Air Compressors, (over 220 C.F. capacity)<br>Pumps (over 2 inches) | <br>1.50<br>1.50 | | These additional classifications have been found necessary for completion of the project. The classifications and rates conform to local prevailing practice as indicated by factual evidence available to this office | 5/1/42 |
| 9 | | | | The effective date of Wage Adjustment Order No. 3 is changed from April 12, 1942 to March 1, 1942 | |
| 10 | Lead Burner<br>Lead Burner Helper | 1.75<br>0.85 | | These additional classifications were established on the project by mutual agreement of all interested parties | 4/20/42 |

## 403. WAGE ADJUSTMENT ORDERS (Continued)

| NO. | CLASSIFICATION | BASIC RATE Per Hr. | REVISED BASIC RATE Per Hr. | REMARKS | EFFECTIVE DATE |
|---|---|---|---|---|---|
| 11 | Boilermaker | $1.50 | $1.625 | The adjusted basic wages conform to local prevailing practice as indicated by factual evidence available to this office | 5/1/42 |
| | Boilermaker's Helper | $1.25 | $1.375 | | |
| 12 | | | | The date of Determination on Wage Adjustment Orders No. 4 & 7 is hereby corrected to read January 2, 1942 | |
| 13 | Electricians Apprentices | | | The adjusted basic wages conform to local prevailing practice as indicated by factual evidence available to this office | 3/5/42 |
| | 1st year | $0.60 | $0.70 | | |
| | 2nd year | $0.70 | $0.80 | | |
| | 3rd year | $0.80 | $0.90 | | |
| | 4th year | $0.90 | $1.00 | | |
| 14 | Painters, brush | $1.25 | $1.50 | The adjusted basic wages conform to local prevailing practice as indicated by factual evidence available to this office | 5/1/42 |
| | Painters, spray | $1.53 | $1.63 | | |
| | Painters, structural steel | $1.53 | $1.63 | | |
| 15 | Plumbers, helpers | $0.90 | | These additional classifications have been found necessary for the completion of the project. The classifications & rates conform to local prevailing practice as indicated by factual evidence available to this office. | 6/9/42 |
| | Steamfitters, helpers | $0.90 | | | |

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403. WAGE ADJUSTMENT ORDERS (Continued)

| NO. | CLASSIFICATION | BASIC RATE Per Hr. | REVISED BASIC RATE Per Hr. | REMARKS | EFFECTIVE DATE |
|---|---|---|---|---|---|
| 16 | Truck drivers | $0.75 | $0.90 | The adjusted basic wage conforms to local prevailing practice as indicated by factual evidence available to this office. | 8/6/42 |
| 17 | Electricians<br>Plumbers<br>Steamfitters | $1.50<br>$1.50<br>$1.50 | $1.675<br>$1.75<br>$1.75 | The adjusted basic wages conform to local prevailing practice as indicated by factual evidence available to this office | 5/1/42<br>6/9/42<br>6/9/42 |
| 18 | Oilers | $0.75 | $0.90 | The adjusted basic wage conforms to local prevailing practice as indicated by factual evidence available to this office. | 5/1/42 |

Labor Relations

404. Labor employed on the Project was to be 100% unionized in those classifications which were unionized; according to the Federal Government agreement with the American Federation of Labor.

405. The Local Unions and the United States Employment Service in Niagara Falls were very active and helpful to the A-E-M Employment Office in obtaining the required craftsmen, helpers, and other employees. A Labor Pool Office was opened in the Project. It was first located in existing building E-12. This pool operated for the benefit of all prime contractors and subcontractors.

406. Generally speaking, no serious labor disturbances were encountered during the job. From time to time minor complaints arose but these were promptly handled by the A-E-M and the Area Engineer's Office.

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Labor Relations (Continued)

407. The principal difficulties encountered were the necessary adjustment of wage scales, the most embarrassing of which were the following:

Truck drivers, who were receiving 75 cents an hour, threatened to strike unless paid more than the 85 cents an hour which laborers were receiving at the time. This was settled by Wage Adjustment Order No. 16 which made the revised basic rate 90 cents an hour.

Electricians complained that the original basic rate of $1.375 an hour was below the prevailing Niagara Falls scale of $1.50 an hour. Wage Adjustment Order No. 2 which was effective March 5, 1942 revised the scale to $1.50 per hour. Later, the Electricians complained that their rate of pay should be the same as the rate paid in Buffalo, which was $1.675 per hour. Wage Adjustment Order No. 17 increased the base rate to $1.675 to be effective from May 1, 1942.

Plumbers and Steamfitters, according to the January 2, 1942 wage scale had a basic rate of $1.425 per hour. This caused dissatisfaction because it was lower than the Niagara Falls rate of $1.50 per hour and was increased to a revised basic rate of $1.50 an hour by Wage Adjustment Order No. 4, effective March 5, 1942. Later, the Plumbers and Steamfitters complained because the revised basic rate was lower than the Buffalo rate of $1.75 per hour and Wage Adjustment Order No. 17 increased the rate to a new revised basic rate of $1.75 per hour, effective June 9, 1942 for both of these classifications.

Labor Supply

408. At times there were threatened shortages in certain crafts. Field Progress Reports indicate the following:

| | |
|---|---|
| June 15, 1942 | - Need immediately: 200 pipefitters |
| June 30, 1942 | - Need immediately: 100 carpenters |
| August 31, 1942 | - No shortage is expected for the remainder of the Job. |
| September 30, 1942 | - Recently a shortage of Electricians and Lead Burners occurred. Now rectified. |

However, no serious shortages developed.

409. The number of employees and the wage scale for the A-E-M, both crafts and non-manual, at the time of the peak employment are shown by classifications on pages 355-360.

Labor Supply (Continued)

410. The maximum number of certain crafts, including employees of all contractors and subcontractors were:

| CLASSIFICATION | NUMBER | WEEK ENDING |
|---|---|---|
| Laborers | 2062 | July 18 |
| Carpenters | 889 | July 18 |
| Pipefitters | 688 | July 18 |
| Const. Equip. Operators | 479 | July 11 |
| Electricians | 327 | August 22 |
| Iron Workers | 285 | July 25 |
| Truck Drivers | 219 | June 20 |
| Painters & Glaziers | 90 | July 4 |
| Cement Finishers | 67 | July 25 |
| Bricklayers & Masons | 58 | August 22 |
| Pipe Coverers | 47 | October 3 |
| Roofers & Waterproofers | 32 | June 20 |

411. Labor Statistics - Charts

Total Employment at Site - All Personnel. See page 338

Contractors' Personnel Working at Site. See page 339

Journeymen Per Week - Certain Crafts. See page 340

A-E-M Payroll Data. See page 341

Weekly Payrolls - All Contractors (other than A-E-M) See page 342

Manhours Worked Per Week - A-E-M. See page 343

Manhours Worked Per Week - All Contractors (other than A-E-M). See page 344

Labor Distribution Chart Showing Manhours Per Month. See page 345

Table Showing Analysis of Payroll of A-E-M Peak Week, pages 355-360.

Efficiency of Labor

412. Laborers were below average as a whole group, some iron workers were below average, many electricians were lazy and influenced by the work policies of the local Union.

January 2, 1942

## LABOR WAGES IN EFFECT AT LAKE ONTARIO ORDNANCE WORKS

| | Per Hour |
|---|---|
| Air tool op. (jackhammerman, vibrator) | $ .80 |
| Asbestos workers | 1.325 |
| " " helpers | .70 |
| Asphalt rakers | .65 |
| " tampers | .68 |
| Blacksmiths | 1.00 |
| " helpers | .70 |
| Blasters | 1.00 |
| Boilermakers | 1.50 |
| " helpers | 1.25 |
| Bricklayers | 1.625 |
| Carpenters, journeymen | 1.35 |
| " apprentices: | |
| 1st. year 40% of Journeyman's rate | |
| 2nd. " 50% " " " | |
| 3rd. " 60% " " " | |
| 4th. " 75% " " " | |
| Cement Finishers | 1.625 |
| Electricians | 1.375 |
| " Apprentices: 1st. year | .60 |
| 2nd. " | .70 |
| 3rd. " | .80 |
| 4th. " | .90 |
| Fireman | 1.00 |
| Glasiers | 1.25 |
| Iron Workers, Structural | 1.50 |
| " " Ornamental | 1.50 |
| " " Reinforcing | 1.50 |
| " " Apprentices: | |
| 1st 6 months 50% of journeyman's rate | |
| 2nd 6 months 60% " " " | |
| 2nd year 66-2/3% " " " | |
| Laborers, building | .68 |
| " unskilled | .68 |
| Lathers | 1.50 |
| " apprentices: 1st year | .75 |
| 2nd year | 1.00 |
| 3rd year | 1.25 |
| Mason tenders | .68 |
| Mortar mixers | .68 |
| Oilers | .75 |
| Painters, brush | 1.25 |
| " spray | 1.53 |
| " structural steel | 1.53 |
| " Apprentices: | |
| 1st year 30% of journeyman's rate | |
| 2nd " 50% " " " | |
| 3rd " 75% " " " | |

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LABOR WAGES IN EFFECT AT
LAKE ONTARIO ORDNANCE WORKS
(Continued)

| | Per Hour |
|---|---|
| Piledriverman | $ 1.35 |
| Plasterers | 1.625 |
| " tenders | .68 |
| Plumbers | 1.425 |
| " apprentices: 1st year | .50 |
| 2nd year | .60 |
| 3rd year | .70 |
| 4th year | .80 |
| Power equipment operators: | |
| Air compressors | 1.25 |
| Blade graders | 1.25 |
| Bulldozers | 1.25 |
| Cranes, derricks, draglines | 1.50 |
| Finishing mach. (Com. conc. pave.) | 1.25 |
| Hoists | 1.25 |
| Miners, under 1 cu. yd. | 1.25 |
| " 1 cu. yd. and over | 1.50 |
| Motor graders | 1.25 |
| Pile Drivers | 1.50 |
| Pumps | 1.25 |
| Rollers | 1.25 |
| Shovels | 1.50 |
| Tractors | 1.25 |
| Trenching machines | 1.50 |
| Roofers, composition | 1.10 |
| Sheet Metal Workers | 1.25 |
| " " " apprentices | |
| 1st 6 months 35% of journeyman's rate | |
| 2nd 6 " 40% " " " | |
| 3rd 6 " 45% " " " | |
| 4th 6 " 50% " " " | |
| 5th 6 " 55% " " " | |
| 6th 6 " 60% " " " | |
| 7th 6 " 70% " " " | |
| 8th 6 " 80% " " " | |
| Steam fitters | 1.425 |
| " " apprentices: 1st year | .50 |
| 2nd year | .60 |
| 3rd year | .70 |
| 4th year | .80 |
| Stone masons | 1.625 |
| Teamsters | .75 |
| Terrazzo workers | 1.375 |
| " " helpers | .65 |
| Tile setters | 1.375 |
| " " helpers | .60 |
| Truck drivers | .75 |
| Waterproofers | 1.10 |
| Welders--receive rate prescribed for craft performing operation to which welding is incidental | |
| Wreckers | .68 |

LAKE ONTARIO ORDNANCE WORKS
THE J.G. WHITE ENGINEERING CORPORATION

ANALYSIS OF PAYROLL #32 FOR WEEK ENDING AUGUST 8, 1942



| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Accountant, Chief | 1 | | 48 | $ 110.00 | $ 110.00 | |
| " Assistant Chief | 1 | | 48 | 85.00 | 99.17 | |
| " Cost | 1 | | 48 | 70.00 | 70.00 | |
| " Cost | 1 | | 48 | 75.00 | 75.00 | |
| " Invoice | 1 | | 48 | 75.00 | 82.81 | |
| Accountant | 3 | | 48 | 60.00 | 210.00 | |
| " | 1 | | 48 | 65.00 | 65.00 | |
| " | 3 | 12 | 48 | 75.00 | 243.75 | $ 955.73 |
| Architect, Chief | 1 | 1 | 48 | 110.00 | 110.00 | 110.00 |
| Auditor | 1 | 1 | 48 | 80.00 | 98.33 | 98.33 |
| Auto Mechanic Foremen | 4 | | 40 | 1.00 | 321.50 | |
| Auto Mechanic | 24 | | 40 | .90 hr. | 1,504.37 | |
| " " Helper | 10 | 38 | 40 | .75 hr. | 519.19 | 2,345.06 |
| Bookkeeper | 1 | 1 | 48 | 55.00 | 67.03 | 67.03 |
| Bricklayer, Foremen | 2 | | 40 | 1.75 | 262.06 | |
| Bricklayer | 12 | 14 | 40 | 1.625 | 1,012.39 | 1,274.45 |
| Buyer | 1 | | 48 | 60.00 | 60.00 | |
| " | 3 | | 48 | 65.00 | 195.00 | |
| " | 2 | | 48 | 75.00 | 150.00 | |
| " | 1 | 7 | 48 | 90.00 | 90.00 | 495.00 |
| Carpenter, General Foremen | 2 | | 40 | 2.00 | 149.00 | |
| Carpenter, Foremen | 6 | | 40 | 1.875 | 914.07 | |
| " " | 19 | | 40 | 1.75 | 2,547.20 | |
| " " | 33 | | 40 | 1.65 | 4,122.19 | |
| Carpenter | 607 | 667 | 40 | 1.50 | 63,651.35 | 71,383.81 |
| Cement Finisher, Foremen | 2 | | 40 | 1.80 | 292.50 | |
| Cement Finisher | 32 | | 40 | 1.625 | 3,708.61 | |
| " " Helper | 5 | 39 | 40 | .95 | 352.71 | 4,353.82 |
| Chauffeur | 45 | 45 | 48 | 40.00 | 1,655.15 | 1,655.15 |
| Chief Clerk, Construction | 1 | | 48 | 50.00 | 62.50 | |
| " | 1 | | 48 | 55.00 | 55.00 | |
| " | 1 | 3 | 48 | 75.00 | 91.41 | 208.91 |
| Chief Clerk, Designing | 1 | 1 | 48 | 75.00 | 75.00 | 75.00 |
| " " Electrical | 1 | 1 | 48 | 92.30 | 92.30 | 92.30 |

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Chief Clerk, Engineering | 1 | 1 | 48 | $ 92.00 | $ 92.00 | $ 92.00 |
| " " Equipment | 1 | 1 | 48 | 60.00 | 60.00 | 60.00 |
| " " Invoice | 1 | 1 | 48 | 60.00 | 69.17 | 69.17 |
| Chief Clerk, Material | 1 | | 48 | 62.00 | 62.00 | |
| " | 1 | | 48 | 77.00 | 77.00 | |
| " | 1 | 3 | 48 | 80.00 | 93.33 | 232.33 |
| Chief Clerk, Material (DuPont) | 1 | 1 | 48 | 87.00 | 108.75 | 108.75 |
| Chief Clerk, Paymaster | 1 | 1 | 48 | 60.00 | 72.50 | 72.50 |
| Chief Clerk, Pay Roll | 1 | | 48 | 75.00 | 86.72 | |
| " " | 1 | 2 | 48 | 85.00 | 85.00 | 171.72 |
| Chief Clerk, Property | 1 | 1 | 48 | 70.00 | 70.00 | 70.00 |
| " " Receiving | 1 | 1 | 48 | 70.00 | 70.00 | 70.00 |
| " " Timekeeping | 1 | 1 | 48 | 85.00 | 106.25 | 106.25 |
| " " Asst. " | 1 | 1 | 48 | 80.00 | 100.00 | 100.00 |
| " " Warehouse | 1 | 1 | 48 | 70.00 | 87.50 | 87.50 |
| " " " | | | | | | |
| (Equipment & Repair) | 1 | 1 | 48 | 60.00 | 75.00 | 75.00 |
| Chief Clerk | 1 | | 48 | 55.00 | 55.00 | |
| " " | 1 | | 48 | 60.00 | 75.00 | |
| " " | 1 | 3 | 48 | 85.00 | 93.85 | 223.85 |
| Clerks, Accounting | 1 | | 48 | 20.00 | 26.00 | |
| " | 2 | | 48 | 25.00 | 65.00 | |
| " | 1 | | 48 | 30.00 | 30.00 | |
| " | 6 | | 48 | 35.00 | 278.00 | |
| " | 1 | 11 | 48 | 40.00 | 64.00 | 463.00 |
| Clerks, Administration | 5 | | 48 | 20.00 | 133.38 | |
| " | 1 | | 48 | 24.00 | 31.20 | |
| " | 2 | | 48 | 25.00 | 57.60 | |
| " | 1 | | 48 | 30.00 | 39.00 | |
| " | 1 | 10 | 48 | 45.00 | 62.72 | 323.80 |
| Clerks, Auxiliary Features | 5 | 5 | 48 | 30.00 | 208.50 | 208.50 |
| Clerks, Blue Print | 5 | | 48 | 20.00 | 112.50 | |
| " " | 4 | | 48 | 24.00 | 147.00 | |
| " " | 1 | | 48 | 27.00 | 39.15 | |
| " " | 2 | | 48 | 30.00 | 103.88 | |

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LAKE ONTARIO ORDNANCE WORKS
THE J.G. WHITE ENGINEERING CORPORATION

ANALYSIS OF PAYROLL #32 FOR WEEK ENDING AUGUST 8, 1942

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Clerks, Bonds | 1 | 1 | 40 | $ 40.00 | $ 67.00 | $ 67.00 |
| Clerks, Calculator Supv'g'r | 1 | | 40 | 35.00 | 52.06 | |
| " | 1 | | 40 | 20.00 | 29.75 | |
| " | 2 | | 40 | 25.00 | 47.19 | |
| " | 2 | 6 | 40 | 30.00 | 89.26 | 218.26 |
| Clerks, Comptometer | 1 | | 40 | 20.00 | 26.00 | |
| " | 1 | 2 | 40 | 25.00 | 32.50 | 58.50 |
| Clerks, Construction | 1 | | 40 | 20.00 | 26.00 | |
| " | 3 | | 40 | 24.00 | 104.40 | |
| " | 3 | | 40 | 25.00 | 72.50 | |
| " | 35 | | 40 | 30.00 | 1,545.03 | |
| " | 1 | | 40 | 32.00 | 41.60 | |
| " | 2 | | 40 | 35.00 | 85.09 | |
| " | 1 | | 40 | 39.00 | 68.25 | |
| " | 1 | | 40 | 40.00 | 70.00 | |
| " | 1 | 48 | 48 | 50.00 | 52.60 | 2,065.47 |
| Clerks, Cost | 1 | | 40 | 18.00 | 23.40 | |
| " | 8 | | 40 | 35.00 | 379.76 | |
| " | 1 | 10 | 40 | 40.00 | 52.00 | 455.16 |
| Clerks, Engineering | 3 | | 40 | 24.00 | 74.40 | |
| " | 5 | | 40 | 25.00 | 163.44 | |
| " | 10 | | 40 | 30.00 | 376.50 | |
| " | 2 | | 40 | 31.00 | 85.26 | |
| " | 2 | | 40 | 40.00 | 140.00 | |
| " | 1 | 23 | 48 | 65.00 | 65.00 | 904.60 |
| Clerk, Equipment | 16 | | 40 | 30.00 | 627.18 | |
| " | 4 | | 40 | 35.00 | 182.00 | |
| " | 1 | | 40 | 40.00 | 70.00 | |
| " | 2 | 23 | 48 | 50.00 | 112.50 | 991.68 |
| Clerk, Equip. & Storeroom | 1 | 1 | 40 | 30.00 | 39.00 | 39.00 |
| Clerk, Field | 1 | | 40 | 25.00 | 32.50 | |
| " | 1 | | 40 | 30.00 | 39.00 | |
| " | 1 | | 48 | 47.00 | 47.00 | |
| " | 1 | 4 | 40 | 41.56 | 41.56 | 160.06 |
| Clerks, File | 2 | | 40 | 20.00 | 46.00 | |
| " | 1 | 3 | 40 | 32.50 | 32.50 | 78.50 |

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Clerks, Fuel Dispenser | 10 | | 40 | $ 27.00 | $ 472.60 | $ |
| " | 1 | | 40 | 35.00 | 71.75 | |
| " Gas Dispenser | 2 | 13 | 40 | 30.00 | 93.75 | 638.10 |
| Clerks, General Office | 1 | 1 | 40 | 20.00 | 26.00 | 26.00 |
| " Insurance | 1 | 1 | 40 | 60.00 | 60.00 | 60.00 |
| " Invoice | 2 | | 40 | 25.00 | 62.19 | |
| " | 9 | | 40 | 30.00 | 357.40 | |
| " | 2 | | 40 | 35.00 | 101.50 | |
| " | 2 | 15 | 40 | 40.00 | 99.50 | 680.59 |
| Clerks, Machine Parts | 2 | 2 | 40 | 30.00 | 78.00 | 78.00 |
| Clerks, Material | 1 | | 40 | 20.00 | 26.00 | |
| " | 13 | | 40 | 24.00 | 402.20 | |
| " | 1 | | 40 | 25.00 | 32.50 | |
| " | 96 | | 40 | 30.00 | 3,703.88 | |
| " | 24 | | 40 | 35.00 | 1,099.88 | |
| " | 4 | | 40 | 47.00 | 188.00 | |
| " | 4 | | 40 | 50.00 | 250.00 | |
| " | 2 | | 40 | 52.00 | 104.00 | |
| " | 2 | 147 | 40 | 55.00 | 110.00 | 5,903.46 |
| Clerks, Messenger | 2 | | 40 | 16.00 | 41.00 | |
| " | 2 | | 40 | 18.00 | 46.80 | |
| " | 1 | 5 | 40 | 20.00 | 26.00 | 113.80 |
| Clerks, Mimeograph | 1 | 1 | 40 | 20.00 | 26.00 | 26.00 |
| Clerks, Payroll | 2 | | 40 | 35.00 | 91.00 | |
| " | 21 | | 40 | 40.00 | 1,254.00 | |
| " | 3 | | 40 | 45.00 | 199.13 | 1,544.13 |
| Clerks, Personnel | 3 | | 40 | 25.00 | 97.50 | |
| " | 1 | | 40 | 28.00 | 36.40 | |
| " | 1 | | 40 | 30.00 | 39.00 | |
| " | 1 | 6 | 40 | 35.00 | 45.50 | 218.40 |
| Clerks, Property | 2 | | 40 | 20.00 | 52.00 | |
| " | 7 | | 40 | 24.00 | 199.20 | |
| " | 12 | | 40 | 30.00 | 438.38 | |
| " | 6 | 27 | 40 | 35.00 | 273.00 | 962.58 |

PRODUCED AT THE NATIONAL ARCHIVES

LAKE ONTARIO ORDNANCE WORKS
THE J.G. WHITE ENGINEERING CORPORATION

ANALYSIS OF PAYROLL #32 PER WEEK ENDING AUGUST 8, 1942



| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Clerks, Purchasing | 3 | | 40 | $ 20.00 | $ 84.38 | |
| " | 2 | | 40 | 24.00 | 66.00 | |
| " | 1 | | 40 | 25.00 | 41.41 | |
| " | 4 | | 40 | 30.00 | 101.06 | |
| " | 1 | | 48 | 50.00 | 50.00 | |
| " | 1 | 10 | 48 | 55.00 | 55.00 | 397.85 |
| Clerks, Record | 6 | | 40 | 20.00 | 156.00 | |
| " | 1 | | 40 | 24.00 | 31.20 | |
| " | 1 | 8 | 40 | 30.00 | 39.00 | 226.20 |
| Clerks, Report | 1 | | 40 | 30.00 | 30.00 | |
| " Stock | 1 | 2 | 40 | 25.00 | 32.50 | 62.50 |
| Clerk, Time | 34 | 34 | 40 | 30.00 | 1,668.63 | 1,668.63 |
| Clerks, Transportation (Fwn) | 1 | | 48 | 50.00 | 50.00 | |
| " | 1 | 2 | 40 | 30.00 | 39.00 | 89.00 |
| Clerks, Typist | 29 | | 40 | 20.00 | 716.85 | |
| " | 2 | | 40 | 25.00 | 68.75 | |
| " | 1 | 32 | 40 | 30.00 | 39.00 | 826.63 |
| Clerks, Warehouse | 2 | | 40 | 30.00 | 78.00 | |
| " | 1 | | 40 | 35.00 | 45.50 | |
| " | 1 | 4 | 48 | 50.00 | 62.50 | 186.00 |
| Clerks | 1 | | 40 | 24.00 | 31.20 | |
| " | 1 | | 40 | 27.00 | 35.10 | |
| " | 1 | | 40 | 30.00 | 39.00 | |
| " | 1 | | 40 | 32.00 | 50.00 | |
| " | 1 | 5 | 48 | 50.00 | 50.00 | 205.30 |
| Clerks, Engineering | 4 | | 48 | 50.00 | 212.50 | |
| " | 1 | 5 | 48 | 60.00 | 75.00 | 287.50 |
| Computer, Cost | 1 | | 48 | 70.00 | 70.00 | |
| " Construction | 1 | | 48 | 75.00 | 92.97 | |
| Computer | 1 | | 40 | 46.00 | 59.80 | |
| " | 1 | | 48 | 63.00 | 77.44 | |
| " | 1 | | 48 | 68.00 | 85.00 | |
| " | 4 | | 48 | 70.00 | 332.47 | |
| " | 1 | | 48 | 75.00 | 75.00 | |
| " | 2 | 12 | 48 | 80.00 | 200.00 | 992.68 |
| Dispatchers | 6 | | 40 | 30.00 | 284.64 | |

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Dispatchers | 2 | | 40 | $ 35.00 | $ 109.38 | |
| " | 1 | 9 | 40 | 55.00 | 68.75 | 462.77 |
| Chief Draftsman | 1 | | 48 | 92.30 | 92.30 | |
| Draftsman | 1 | | 40 | 23.00 | 29.90 | |
| " | 1 | | 40 | 25.00 | 40.00 | |
| " | 1 | | 48 | 30.00 | 39.00 | |
| " | 1 | | 48 | 32.00 | 56.00 | |
| " | 2 | | 48 | 35.00 | 106.75 | |
| " | 5 | | 48 | 40.00 | 303.50 | |
| " | 1 | | 48 | 45.00 | 65.25 | |
| " | 5 | | 48 | 52.70 | 273.00 | |
| " | 3 | | 48 | 55.00 | 155.83 | |
| " | 2 | | 48 | 58.00 | 145.00 | |
| " | 5 | | 48 | 60.00 | 315.00 | |
| " | 3 | | 48 | 65.00 | 211.25 | |
| " | 1 | | 48 | 69.00 | 69.00 | |
| " | 2 | | 48 | 68.00 | 136.00 | |
| | 1 | 35 | 48 | 70.00 | 87.50 | 2,125.28 |
| Electrician Foremen | 22 | | 48 | 1.825 hr. | 2,933.68 | |
| General Line Foreman | 2 | | 48 | 2.00 | 308.50 | |
| Electrician | 226 | | 48 | 1.675 hr. | 26,871.46 | |
| " 2nd yr. app. | 1 | | 48 | .80 hr. | 50.20 | |
| " 3rd yr. app. | 6 | | 48 | .90 hr. | 322.00 | |
| " 4th yr. app. | 9 | 266 | 48 | 1.00 hr. | 460.00 | 31,145.84 |
| Chief Engineer | 1 | | 48 | 138.46 | 138.46 | |
| Assistant Chief Engineer | 5 | 6 | 48 | 138.46 | 692.30 | 830.76 |
| Engineer, Cost | 1 | | 48 | 115.38 | 115.38 | |
| " " (Junior) | 1 | | 48 | 40.00 | 52.00 | |
| " " " | 1 | 3 | 48 | 59.00 | 59.00 | 226.38 |
| Engineer, Divisional | 3 | | 48 | 85.00 | 309.01 | |
| " " | 1 | 4 | 48 | 90.00 | 112.50 | 421.51 |
| Engineer, Electrical | 1 | | 48 | 100.00 | 100.00 | |
| " " | 1 | 2 | 48 | 126.00 | 126.00 | 226.00 |
| Engineer, Field Chief | 1 | | 48 | 165.00 | 165.00 | |
| " Field | 1 | | 48 | 65.00 | 81.25 | |
| " " | 1 | | 48 | 72.00 | 90.00 | |
| " " | 37 | | 48 | 75.00 | 3,382.86 | |
| " " | 4 | | 48 | 80.00 | 400.00 | |
| " " | 7 | | 48 | 85.00 | 642.81 | |

PRODUCED AT THE NATIONAL ARCHIVES

LAKE ONTARIO ORDNANCE WORKS
THE J.G. WHITE ENGINEERING CORPORATION

ANALYSIS OF PAYROLL #32 FOR WEEK ENDING AUGUST 8, 1942



| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Engineer, Field | 2 | | 48 | $ 90.00 | $ 202.50 | $ |
| " " | 2 | | 48 | 92.00 | 101.58 | |
| " " | 1 | 56 | 48 | 92.30 | 92.30 | 5,158.30 |
| Engineer, Mechanical | 1 | 1 | 48 | 110.00 | 110.00 | 110.00 |
| Engineer, Office | 1 | | 48 | 68.00 | 85.00 | |
| " " | 1 | | 48 | 75.00 | 93.75 | |
| " " | 3 | | 48 | 80.00 | 267.50 | |
| " " | 2 | | 48 | 85.00 | 191.25 | |
| " " | 3 | | 48 | 90.00 | 270.00 | |
| " " | 1 | | 48 | 100.00 | 100.00 | |
| " " | 2 | 13 | 48 | 115.00 | 230.00 | 1,237.50 |
| Engineer, Assistant | 1 | | 48 | 69.00 | 69.00 | |
| " " | 1 | | 48 | 75.00 | 75.00 | |
| " " | 1 | 3 | 48 | 80.00 | 80.00 | 224.00 |
| Engineer, Junior | 3 | | 40 | 35.00 | 126.75 | |
| " " | 1 | | 48 | 50.00 | 50.00 | |
| " " | 3 | 7 | 48 | 60.00 | 180.00 | 356.75 |
| Engineer Designers, Architectural | 1 | 1 | 48 | 70.00 | 87.50 | 87.50 |
| Chief Designer | 1 | 1 | 48 | 125.00 | 125.00 | 125.00 |
| Engineer Designer | 1 | | 48 | 60.00 | 75.00 | |
| " " | 1 | | 48 | 65.00 | 65.00 | |
| " " | 3 | | 48 | 68.00 | 204.00 | |
| " " | 14 | | 48 | 75.00 | 1,395.41 | |
| " " | 3 | | 48 | 85.00 | 276.25 | |
| " " | 2 | | 48 | 90.00 | 180.00 | |
| " " | 1 | | 48 | 92.30 | 92.30 | |
| " " | 1 | | 48 | 100.00 | 100.00 | |
| " " | 3 | 29 | 48 | 103.00 | 309.00 | 2,696.96 |
| Expediter, Chief | 1 | | 48 | 130.00 | 130.00 | |
| Expediter, Traffic | 2 | | 48 | 75.00 | 150.00 | |
| Expediter | 3 | | 48 | 50.00 | 162.50 | |
| " | 2 | | 48 | 55.00 | 110.00 | |
| " | 1 | | 48 | 60.00 | 75.00 | |
| " | 1 | 10 | 48 | 75.00 | 93.75 | 721.25 |
| Fireman | 3 | 3 | 40 | 1.00 hr. | 172.00 | 172.00 |
| Garage Foreman | 1 | 1 | 48 | 60.00 | 75.00 | 75.00 |

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Inspectors, Building | 4 | | 48 | $ 68.00 | $ 340.00 | $ |
| " " | 1 | 5 | 48 | 69.00 | 86.25 | 426.25 |
| Inspectors, Concrete | 1 | | 48 | 50.00 | 62.50 | |
| " " | 2 | | 48 | 60.00 | 150.00 | |
| " " | 1 | 4 | 48 | 69.00 | 86.25 | 298.75 |
| Inspectors, Construction | 2 | | 48 | 60.00 | 150.00 | |
| " " | 2 | 4 | 48 | 68.00 | 170.00 | 320.00 |
| Inspectors, Drainage | 2 | | 48 | 55.00 | 119.75 | |
| " " | 1 | | 48 | 60.00 | 70.63 | |
| " " | 1 | | 48 | 65.00 | 67.71 | |
| " " | 2 | 6 | 48 | 69.00 | 158.08 | 416.17 |
| Inspectors, Electrical | 1 | | 48 | 55.00 | 68.75 | |
| " " | 1 | 2 | 48 | 60.00 | 75.00 | 143.75 |
| Inspectors, Engineering | 1 | | 48 | 68.00 | 85.00 | |
| " " | 1 | 2 | 48 | 69.00 | 86.25 | 171.25 |
| Inspectors, Forest | 2 | 2 | 48 | 60.00 | 150.00 | 150.00 |
| " Lumber | 1 | 1 | 48 | 50.00 | 62.50 | 62.50 |
| " Magazine | 1 | | 48 | 68.00 | 85.00 | |
| " " | 1 | 2 | 48 | 69.00 | 86.25 | 171.25 |
| Inspectors, Pipe | 1 | | 48 | 60.00 | 75.00 | |
| " " | 2 | | 48 | 68.00 | 170.00 | |
| " " | 1 | 4 | 48 | 69.00 | 86.25 | 331.25 |
| Inspectors, Plumbing | 1 | 1 | 48 | 60.00 | 75.00 | 75.00 |
| " Power | 1 | 1 | 48 | 65.00 | 81.25 | 81.25 |
| Inspectors, Road | 1 | | 48 | 55.00 | 61.87 | |
| " " | 3 | | 48 | 60.00 | 200.00 | |
| " " | 3 | | 48 | 68.00 | 254.29 | |
| " " | 3 | 10 | 48 | 69.00 | 258.75 | 774.91 |
| Inspectors, Safety | 1 | | 48 | 35.00 | 61.25 | |
| " " | 3 | | 48 | 50.00 | 187.00 | |
| " " | 1 | 5 | 48 | 65.00 | 81.25 | 329.50 |
| Inspectors, Sanitation | 1 | 1 | 48 | 60.00 | 75.00 | 75.00 |

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LAKE ONTARIO ORDNANCE WORKS
THE J.G. WHITE ENGINEERING CORPORATION

ANALYSIS OF PAYROLL #32 FOR WEEK ENDING AUGUST 8, 1942



| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Inspectors, Sewers | 1 | | 48 | $ 55.00 | $ 68.75 | $ |
| " " | 3 | | 48 | 60.00 | 224.38 | |
| " " | 10 | 14 | 48 | 68.00 | 870.00 | 1,163.13 |
| Inspectors, Steel | 1 | | 48 | 60.00 | 75.00 | |
| " " | 1 | 2 | 48 | 69.00 | 86.25 | 161.25 |
| Inspectors, Utility | 1 | | 48 | 55.00 | 68.75 | |
| " " | 1 | 2 | 48 | 68.00 | 85.00 | 153.75 |
| Inspectors, Water | 1 | | 48 | 50.00 | 50.00 | |
| " " | 1 | 2 | 48 | 68.00 | 85.00 | 135.00 |
| Inspectors, Water Intake | 1 | 1 | 48 | 50.00 | 62.50 | 62.50 |
| " Water Mains | 1 | 1 | 48 | 68.00 | 85.00 | 85.00 |
| Inspectors | 1 | | 48 | 50.00 | 20.83 | |
| " | 1 | 2 | 48 | 60.00 | 75.00 | 95.83 |
| Ironworker Foreman | 3 | | 40 | 2.03 hr. | 276.00 | |
| Structural Steel Foreman | 28 | | 40 | 1.875 hr. | 3,447.69 | |
| Ironworker | 218 | | 40 | 1.625 hr. | 23,514.08 | |
| " 2nd yr. app. | 3 | | 40 | 1.0833 hr. | 242.10 | |
| " 2nd yr.6mo. app. | 18 | | 40 | .975 hr. | 1,201.00 | |
| " 1st yr.6mo. app. | 4 | 274 | 40 | .8125hr. | 203.13 | 28,684.00 |
| Janitor, Assistant Head | 2 | | 40 | 25.00 | 65.00 | |
| Janitors | 5 | 7 | 40 | 20.00 | 142.63 | 207.63 |
| Labor, General Foreman | 1 | | 48 | 70.00 | 87.50 | |
| Laborer Foreman | 43 | | 40 | 1.25 hr. | 4,107.24 | |
| Laborer Pusher | 49 | | 40 | 1.00 hr. | 3,568.50 | |
| Laborers | 150 | 1243 | 40 | .85 hr. | 63,828.03 | 71,591.27 |
| Levelman | 1 | 1 | 40 | 36.00 | 63.00 | 63.00 |
| Manager, Engineering | 1 | | 48 | 173.00 | 173.00 | |
| " Office | 1 | 2 | 48 | 138.46 | 138.46 | 311.46 |
| Mason Tender | 15 | 15 | 40 | .95 hr. | 973.76 | 973.76 |
| Matron | 23 | 23 | 40 | 17.00 | 504.26 | 504.26 |
| Nurse, Superintendent | 1 | | 48 | 50.00 | 50.00 | |
| Nurse | 15 | 16 | 40 | 27.00 | 526.50 | 576.50 |

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Oiler | 57 | 57 | 40 | $ .90 hr. | $ 3,759.40 | $ 3,759.40 |
| Operators, Air Compressors | 54 | | 40 | 1.50 hr. | 5,929.97 | |
| " Air Tool | 2 | | 40 | .95 hr. | 161.50 | |
| " Blade Grader | 8 | | 40 | 1.50 hr. | 885.01 | |
| " Bull Dozer | 54 | | 40 | 1.50 hr. | 5,881.20 | |
| " Crane Foreman | 5 | | 40 | 2.00 hr. | 764.00 | |
| " Crane Foreman | 40 | | 40 | 1.75 hr. | 5,345.81 | |
| " Dragline | 5 | | 40 | 1.75 hr. | 684.70 | |
| " Mixer | 1 | | 40 | 1.25 hr. | 113.75 | |
| " Roller | 2 | | 40 | 1.50 hr. | 279.75 | |
| " Shovel | 25 | 196 | 40 | 1.75 hr. | 3,321.13 | 23,436.82 |
| Painter, General Foreman | 1 | | 40 | 2.125hr. | 148.75 | |
| Painter Foreman | 2 | | 40 | 1.65 hr. | 231.00 | |
| Painter, Structural Steel Fm. | 1 | | 40 | 1.78 hr. | 119.26 | |
| " Spray | 3 | | 40 | 1.63 hr. | 336.19 | |
| Painter, Structural Steel | 7 | | 40 | 1.63 hr. | 526.17 | |
| " Brush | 43 | 57 | 40 | 1.50 hr. | 4,077.00 | 5,438.37 |
| Parking Attendant | 7 | | 40 | 31.00 | 272.80 | |
| " " | 1 | 8 | 40 | 35.00 | 45.50 | 318.30 |
| Party Chief | 27 | 27 | 40 | 68.00 | 2,255.33 | 2,255.33 |
| Personnel Director | 1 | | 40 | 85.00 | 85.00 | |
| Asst. " " | 1 | 2 | 40 | 75.00 | 81.25 | 166.25 |
| Photographer | 1 | 1 | 40 | 55.00 | 55.00 | 55.00 |
| Photostat Operator | 1 | 1 | 40 | 40.00 | 70.00 | 70.00 |
| Physicians | 2 | 2 | 40 | 58.00 | 116.00 | 116.00 |
| Plumber Foreman | 2 | | 40 | 1.875 hr. | 262.50 | |
| Plumbers | 7 | | 40 | 1.75 hr. | 850.51 | |
| " 4th yr. app. | 2 | 11 | 40 | .80 hr. | 112.00 | 1,225.01 |
| Purchasing Agent | 1 | | 40 | 161.00 | 161.00 | |
| Asst. " " | 1 | | 40 | 92.30 | 92.30 | |
| Purchasing & Material Chief | 1 | 3 | 40 | 126.92 | 126.92 | 380.22 |
| Rodman | 3 | | 40 | 23.00 | 103.51 | |
| " | 1 | | 40 | 28.00 | 49.00 | |
| " | 1 | | 40 | 29.00 | 50.75 | |
| " | 48 | 53 | 40 | 31.00 | 2,529.53 | 2,732.79 |

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LAKE ONTARIO ORDNANCE WORKS
THE J.G. WHITE ENGINEERING CORPORATION

ANALYSIS OF PAYROLL #32 FOR WEEK ENDING AUGUST 8, 1942

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Sheet Metal Worker | 1 | 1 | 40 | $ 1.25 hr. | $ 87.50 | $ 87.50 |
| Steam Fitter Foreman | 39 | | 40 | 1.875 hr. | 5,019.88 | |
| Steamfitter | 525 | | 40 | 1.75 hr. | 61,012.94 | |
| " 4 yr. app. | 28 | | 40 | .80 hr. | 1,309.86 | |
| " 3 yr. app. | 1 | | 40 | .70 hr. | 49.00 | |
| " 2 yr. app. | 7 | 600 | 40 | .60 hr. | 280.00 | 67,671.68 |
| Stenographers, Construction | 1 | | 40 | 25.00 | 32.50 | |
| " Engineering | 1 | | 40 | 25.00 | 32.50 | |
| " Material | 1 | | 40 | 20.00 | 26.00 | |
| " Payroll | 1 | | 40 | 30.00 | 51.36 | |
| " Personnel | 1 | | 40 | 30.00 | 39.00 | |
| " Property | 1 | 6 | 40 | 20.00 | 26.00 | 207.36 |
| Stenographers | 14 | | 40 | 20.00 | 321.50 | |
| " | 47 | | 40 | 25.00 | 1,515.00 | |
| " | 17 | 78 | 40 | 30.00 | 688.89 | 2,525.39 |
| Secretaries | 2 | | 40 | 35.00 | 128.62 | |
| " | 3 | 6 | 48 | 50.00 | 160.42 | 282.05 |
| Superintendents, Auxiliary Features | 1 | 1 | 48 | 92.30 | 92.30 | 92.30 |
| " Construction | 1 | | 48 | 110.00 | 110.00 | |
| " " | 5 | | 48 | 115.00 | 480.00 | |
| " " | 3 | | 48 | 125.00 | 375.00 | |
| " " | 2 | | 48 | 138.46 | 276.92 | |
| " Asst. " | 2 | | 48 | 75.00 | 187.50 | |
| " " " | 2 | | 48 | 100.00 | 200.00 | |
| " " " | 1 | | 48 | 103.00 | 103.00 | |
| " " " | 1 | | 48 | 105.00 | 105.00 | |
| " " " | 2 | | 48 | 110.00 | 220.00 | |
| " " " | 7 | 26 | 48 | 115.00 | 805.00 | 2,806.42 |
| " Construction, Drainage | 1 | 1 | 48 | 85.00 | 105.36 | 105.36 |
| " " Ironworkers | 1 | 1 | 40 | 2.25 hr. | 192.94 | 192.94 |
| " Electrical | 1 | | 48 | 160.00 | 160.00 | |
| " " | 1 | 2 | 40 | 2.25 hr. | 168.75 | 328.75 |
| " Heavy Equipment | 1 | 1 | 48 | 125.00 | 125.00 | 125.00 |
| " Piping | 1 | | 40 | 2.50 hr. | 175.00 | |
| " " | 1 | | 48 | 160.00 | 160.00 | |
| " Asst. Piping | 8 | 10 | 40 | 2.125 hr. | 1,221.88 | 1,556.88 |

| CLASSIFICATION | NO. | TOTAL NO. | HOURS PER STD. WEEK | RATE PER STD. WEEK | TOTAL AMOUNT PER CLASS | TOTAL AMOUNT |
|---|---|---|---|---|---|---|
| Superintendents, Transportation | 1 | | 48 | $ 92.30 | $ 92.30 | |
| " Asst. " | 1 | 2 | 48 | 70.00 | 87.50 | $ 179.80 |
| Assistant Superintendents | 1 | | 48 | 69.00 | 86.25 | |
| " " | 1 | | 48 | 92.30 | 92.30 | |
| " " | 1 | 3 | 48 | 100.00 | 100.00 | 278.55 |
| Surveyor Chief | 1 | | 48 | 85.00 | 106.25 | |
| Asst. " " | 1 | 2 | 48 | 75.00 | 93.75 | 200.00 |
| Telephone Operator, Chief | 1 | | 48 | 32.50 | 32.50 | |
| " " | 8 | | 48 | 30.00 | 234.00 | |
| " " | 1 | 10 | 48 | 25.00 | 25.00 | 291.50 |
| Time Checkers | 16 | | 48 | 30.00 | 801.97 | |
| Time Keepers | 5 | | 48 | 40.00 | 319.39 | |
| " " | 1 | 22 | 48 | 40.00 | 70.00 | 1,191.36 |
| Traffic & Expediting | 1 | | 48 | 55.00 | 55.00 | |
| " " | 1 | | 48 | 60.00 | 60.00 | |
| " " | 2 | | 48 | 70.00 | 140.00 | |
| " " | 1 | | 48 | 75.00 | 75.00 | |
| " " | 2 | 7 | 48 | 80.00 | 160.00 | 490.00 |
| Transitmen | 44 | 44 | 48 | 40.00 | 2,928.00 | 2,928.00 |
| Truckdrivers | 143 | 143 | 48 | .75 hr. | 7,698.57 | 7,698.57 |
| Waterboys | 11 | 11 | 48 | 20.00 | 221.63 | 221.63 |
| GRAND TOTAL | | 4867 | | | | $ 391,173.14 |

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413. At the start of the Project, a housing survey was made of the vicinity. The survey was made with the cooperation of the Chamber of Commerce, other civic organizations, by local advertising and personal canvas. Others aiding were: The Real Estate Board, Builders Guild, The Mayor, Chief of Police, Hotel Association, Falls City Trust Co., Junior Chamber of Commerce at Niagara Falls, Ontario, and numerous public spirited citizens.

414. A list was made of all hotels, tourist lodgings and all vacant buildings that could be adapted for housing. The original survey showed the following:

997 beds available in Niagara Falls, N. Y.
484 beds available in nearby Ontario, Canada
28 beds available in Lewiston, N. Y.
128 beds available in Youngstown, N. Y.

415. The following are from the housing survey file:

| Available | Rooms | Beds | Total Employed All Personnel |
|---|---|---|---|
| March 2, 1942 | 1347 | 1824 | 534 |
| April 1, 1942 | 1153 | 1585 | 1882 |
| May 1, 1942 | 907 | 1286 | 3667 |
| June 1, 1942 | 844 | 1070 | 4866 |
| July 1, 1942 | 523 | 690 | 7278 |
| Aug. 1, 1942 | 343 | 510 | 7583 |
| Sept. 1, 1942 | 372 | 553 | 6243 |

Rooms rented from February 5, 1942 - Sept. 1, 1942 - 2788
Beds rented from February 5, 1942 - Sept. 1, 1942 - 3520

416. A number of rooms were available in Lockport but due to the difficulties in transportation most of these could not be used. On April 8, 1942 practically all housing facilities for negros were exhausted.

417. The weekly range was from $7.00 up. Monthly rates from $25.00 with running water to $100.00 per month for 2 room suite with bath. A detailed tabulation on February 4, 1942 showed that there were quarters available for 2300 men.

418. At a meeting of the zoning board of the Town of Lewiston, an attempt was made to establish a trailer camp at Bond Lake. This did not materialize. However, some A-E-M employees and their families did park their trailers at the lake during the summer.

RODUCED AT THE NATIONAL ARCHIVES



## HOUSING

419. There were many summer homes for rent along Lake Ontario, at Fort Niagara Beach, Wilson, Olcott, and other shore points. The rentals were high. Many employees took advantage of them. When colder weather came along these employees again presented a problem in housing, as they all had to find warmer accommodations elsewhere, mostly, in Niagara Falls and Buffalo.

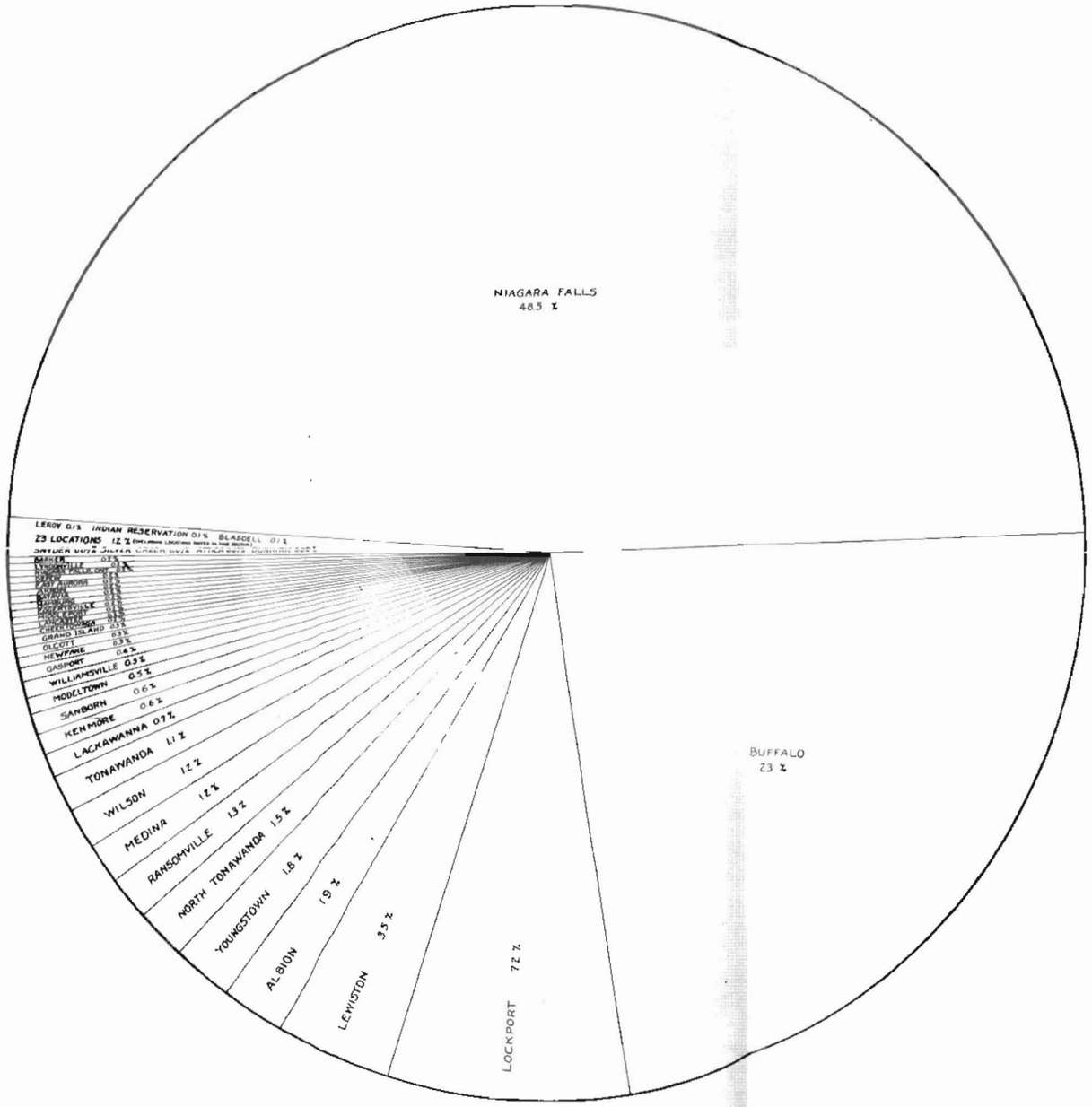
420. The Housing Section, established in the employment office of the A-E-M did all it could to take care of requests for rooms. Newspaper advertisements were clipped, real estate firms notified and the local Chamber of Commerce was constantly contacted. Also, bulletin boards were placed in various office buildings. Notices of available quarters were posted and anyone wishing a room could put his or her name and type of room wanted on the board where all might see. Both the Housing Section and the bulletin board were used to a good advantage on this Project.

421. A clipping from the Buffalo Courier-Express for the morning of February 18th, 1943 reads:

"At the same time, the Bureau of the Census reported that in 1942 Niagara Falls was among the four areas of the United States which had the 'irreducible minimum' of vacancies in residential properties and that Buffalo last year had only 1.3 per cent of its available houses vacant in July."

422. There was an acute shortage of living space and a real housing problem, especially for construction employees. A considerable number of prospective employees who came from other cities, seeking jobs at the Project, could not find places to live and therefore could not accept employment. Those encountering the greatest difficulty were men having a family with children.

423. The Housing Analysis Chart, on page 363, shows the distribution of all Construction employees, A-E-M and others, at the time of peak employment.




HOUSING ANALYSIS
ALL CONTRACTORS EMPLOYEES
AT TIME OF PEAK FORCE

| TOWN OR CITY | NUMBER OF EMPLOYEES | % | [illegible] | [illegible] |
|---|---|---|---|---|
| Niagara Falls | 3,408 | 48.5 | 23 | [illegible] |
| Buffalo | 1,611 | 23.1 | 15 | [illegible] |
| Lockport | 506 | 7.2 | [illegible] | [illegible] |
| Lewiston | 252 | 3.5 | 1. | [illegible] |
| Albion | 137 | 1.9 | [illegible] | [illegible] |
| Youngstown | 125 | 1.8 | 12 | [illegible] |
| N. Tonawanda | 106 | 1.5 | [illegible] | [illegible] |
| Ransomville | 90 | 1.3 | 1? | [illegible] |
| Medina | 85 | 1.2 | 9 | [illegible] |
| Wilson | 81 | 1.2 | [illegible] | [illegible] |
| Tonawanda | 78 | 1.1 | [illegible] | [illegible] |
| Lackawanna | 46 | 0.7 | 7. | [illegible] |
| Kenmore | 45 | 0.6 | [illegible] | [illegible] |
| Sanborn | 42 | 0.6 | [illegible] | [illegible] |
| Middletown | 34 | 0.5 | 5 | [illegible] |
| Williamsville | 35 | 0.5 | 15 | [illegible] |
| Gasport | 30 | 0.4 | [illegible] | [illegible] |
| Newfane | 24 | 0.3 | [illegible] | [illegible] |
| Olcott | 22 | 0.3 | [illegible] | [illegible] |
| Grand Island | 18 | 0.3 | [illegible] | [illegible] |
| Cheektowaga | 16 | [illegible] | [illegible] | [illegible] |
| Lancaster | 16 | [illegible] | [illegible] | [illegible] |
| Middleport | 15 | 0.2 | [illegible] | [illegible] |
| Eggertsville | 15 | 0.2 | [illegible] | [illegible] |
| Hamburg | 14 | 0.2 | [illegible] | [illegible] |
| Batavia | 12 | 0.2 | [illegible] | [illegible] |
| Barker | 12 | [illegible] | [illegible] | [illegible] |
| Akron | 12 | [illegible] | [illegible] | [illegible] |
| East Aurora | 12 | [illegible] | [illegible] | [illegible] |
| Depew | 11 | [illegible] | [illegible] | [illegible] |
| Niagara Falls, Ont. | 10 | [illegible] | [illegible] | [illegible] |
| Lyndonville | 10 | [illegible] | [illegible] | [illegible] |
| Leroy | 9 | [illegible] | [illegible] | [illegible] |
| Indian Reservation | 9 | 0.1 | [illegible] | [illegible] |
| Blasdell | 8 | [illegible] | [illegible] | [illegible] |
| Dunkirk | 8 | [illegible] | [illegible] | [illegible] |
| Attica | [illegible] | [illegible] | [illegible] | [illegible] |
| Snyder | 8 | [illegible] | [illegible] | [illegible] |
| Silver Creek | [illegible] | [illegible] | [illegible] | [illegible] |
| Brockport | [illegible] | [illegible] | [illegible] | [illegible] |
| Orchard Park | 5 | [illegible] | [illegible] | [illegible] |
| Alden | 4 | [illegible] | [illegible] | [illegible] |
| Holland | 4 | [illegible] | [illegible] | [illegible] |
| Springville | 4 | [illegible] | [illegible] | [illegible] |
| Bond Lake | 3 | [illegible] | [illegible] | [illegible] |
| Clarence Center | 3 | [illegible] | [illegible] | [illegible] |
| Gardenville | 3 | [illegible] | [illegible] | [illegible] |
| Gowanda | 2 | [illegible] | [illegible] | [illegible] |
| Clarence | 2 | [illegible] | [illegible] | [illegible] |
| East Pembroke | 2 | [illegible] | [illegible] | [illegible] |
| Bowmansville | 2 | [illegible] | [illegible] | [illegible] |
| Sloan | 1 | [illegible] | [illegible] | [illegible] |
| South Wales | 1 | [illegible] | [illegible] | [illegible] |
| Welland, Ont. | 1 | [illegible] | [illegible] | [illegible] |
| St. Catherines, Ont. | 1 | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | [illegible] | [illegible] |

THE J. G. WHITE ENGINEERING CORPORATION
ARCHITECT · ENGINEER · MANAGER
LAKE ONTARIO ORDNANCE WORKS
YOUNGSTOWN, NEW YORK

HOUSING ANALYSIS
SHOWING
DISTRIBUTION OF ALL CONTRACTORS EMPLOYEES
BY CITIES AND TOWNS FROM WHICH THEY COMMUTED

DATE MARCH 9, 1943

DRAWN G.N.P. CHECKED [illegible] SERIAL NO C-223

DUCED AT THE NATIONAL ARCHIVES

## TRANSPORTATION

424. A survey on transportation facilities for the vicinity was made early in January 1942. The following was the result.

| AREA | PRESENT FACILITIES | POSSIBLE FACILITIES | RECOMMENDED FACILITIES |
|---|---|---|---|
| Niagara Falls, New York | No facilities except as provided by A-E-M | Shuttle train or bus from N.Y.C. Station | Shuttle train |
| Niagara Falls, Ont. | Bus to Niagara Falls, then same as above | Bus to Niagara Falls, then same as above | Same as above |
| Lewiston | Bus | Bus | Bus |
| Youngstown | Bus | Bus | Bus |

425. The suggested shuttle train did not eventually seem to be as suitable as busses because of the necessity of employees taking other transportation from their houses to reach the train.

426. At the start of the Project the Schultz Bus Co. and the International Railway Co. ran busses from Niagara Falls to the Canning Factory offices at Modeltown, N. Y. and later to the Administration Area within the Project. This arrangement took fairly good care of the people living in Niagara Falls and vicinity who did not have other means of transportation. See pages 367 and 368.

427. For those people living in Buffalo, the International Railway Company tried out a bus line direct from Buffalo to the Plant. This bus line turned out to be expensive and inconvenient and was soon discontinued.

428. The traffic manager for the International Bus Co. stated that at various times special busses were run to take care of gangs who worked odd hours. The Bus Co. did its best to meet all requests. The number of busses varied from week to week as the employment rose and fell, also according to weather conditions.

RODUCED AT THE NATIONAL ARCHIVES



## TRANSPORTATION

429. On April 17, 1942 a Transportation Questionnaire was made up with the following questions:

Name, Address, Identification No., Employer, Nearest Phone and Occupation.

1. Do you drive your own car NOW to the Project? _____
2. Do you plan to drive your car for the duration of your employment? _____
3. What is the passenger capacity of your car? _____
   (a) Model and year of car _____
   (b) Registration No. (State) _____
   (c) How much mileage left on your tires? _____
4. How many passengers do you now have? _____
5. Would you use bus transportation if available? _____
6. What are your present regular working hours? _____

430. These forms were handed out to all employees to be filled in, also another questionnaire was sent out to all those who desired rides. The two types of forms were then sorted and grouped together so as to give each driver all the passengers he could conveniently pick up.

431. Among those who took advantage of the car pool was an employee from Lockport, N. Y. This man owned a bus and drove a load of laborers to and from the Project each day.

432. If anyone desired a ride, he or she, could put his or her name and address on notices on the bulletin boards where anyone passing might see them.

433. When tire rationing and gas rationing went into effect, a good many drivers had to lay up their cars. This also caused a lot of drivers to double up, each one taking turns driving for a period of days.

434. A gas and tire rationing board office was established on the Project for the convenience of employees. It is the general belief that tire rationing caused the most embarrassment in connection with the transportation problem.

435. The average distance travelled per man by the construction personnel during the employment peak was 37.87 miles per day.

Material on this page deleted.

# NIAGARA FALLS MODELTOWN BUS SERVICE

**EFFECTIVE APRIL 9, 1942**
**Subject to Change Without Notice**

## WEEKDAYS AND SATURDAYS

| Leave Niagara Falls IRC Terminal | | Leave Ordnance Works | |
|---|---|---|---|
| A.M. | P.M. | A.M. | P.M. |
| 6:10 | 4:16L | 6:40L | 4:45 |
| 7:15 | 4:40L | 7:45L | 5:15L |
| 7:35 | 5:25 | 8:05L | 6:00L |
| 9:00L | 6:00L | 9:35L | 6:35L |
| 10:10L | 6:30L | 10:45L | 7:05L |
| 11:30L | 7:40L | P.M. | 8:15L |
| P.M. | 8:50L | 12:05L | 9:23L |
| 12:46L | 10:00L | 1:15L | 10:35L |
| 1:50L | 11:10L | 2:25L | 11:45L |
| 3:00L | A.M. | 3:25L | A.M. |
| 3:34L | 12:20L | 4:05 | 12:55L |
| 3:55L | 1:50L | 4:35 | 2:00L |

L—Via Lewiston Road-Ridge Road Lewiston. Other trips via Creek Road (Cut-off).

Passengers may board or alight at any bus stop.

Buses operate from IRC Terminal, Riverway in Falls St., Third St., Main St., Lewiston Road, Ridge Road and Modeltown Road.

### FARES

| Zone 1 Niagara Falls to | One Way | Round Trip |
|---|---|---|
| Zone 2 (City Line to Riverdale Cemetary) | 15c | 25c |
| Zone 3 (Riverdale Cemetary to Lewiston Heights) | 20c | 30c |
| Zone 4 (Lewiston Heights to Ridge Rd.-Creek Rd. Intersection) | 25c | 35c |
| Zone 5 (Ridge Rd.-Creek Rd. Intersection to Lake Ontario Ordnance Works) | 29c | 45c |
| 28-trip 30-day Commutation Ticket between Zones 1 and 5 | $4.00 | |

Free transfers to and from local buses in Niagara Falls.

INTERNATIONAL RAILWAY COMPANY

IRC

Riverway
Niagara Falls

Telephone
2-1231

# NIAGARA FALLS ORDNANCE WORKS BUS SERVICE

**EFFECTIVE APRIL 24, 1942**
**Subject to Change Without Notice**

## WEEKDAYS AND SATURDAYS

| Leave Niagara Falls IRC Terminal | | Leave Ordnance Works | |
|---|---|---|---|
| A.M. | P.M. | A.M. | P.M. |
| 6:05 | 4:15L | 6:45L | 5:00 |
| 6:45 | 4:30 | 7:25L | 5:15 |
| 7:10 | 5:00L | 7:50L | 5:45 |
| 7:30 | 5:15L | 8:15L | 6:00L |
| 8:30L | 6:00L | 9:15L | 6:45L |
| 10:00L | 7:30L | 10:45L | 8:15L |
| 11:30L | 9:30L | P.M. | 9:45L |
| P.M. | 10:30L | 12:15L | 11:15L |
| 1:15L | A.M. | 2:00L | A.M. |
| 3:00L | * 3:45L | 3:15 | * 4:20 |

*—Operate Tuesday through Sunday Mornings.

L—Via Lewiston Road-Ridge Road Lewiston. Other trips via Creek Road (Cut-off).

Passengers may board or alight at any bus stop.

Buses operate from IRC Terminal, Riverway in Falls St., Third St., Main St., Lewiston Road, Ridge Road and Latta Road.

### FARES

| Zone 1 Niagara Falls to | One Way | Round Trip |
|---|---|---|
| Zone 2 (City Line to Riverdale Cemetary) | 15c | 25c |
| Zone 3 (Riverdale Cemetary to Lewiston Heights) | 20c | 30c |
| Zone 4 (Lewiston Heights to Ridge Rd.-Creek Rd. Intersection) | 25c | 35c |
| Zone 5 (Ridge Rd.-Creek Rd. Intersection to Lake Ontario Ordnance Works) | 30c | 45c |
| 28-trip 30-day Commutation Ticket between Zones 1 and 5 | $4.00 | |

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# NIAGARA FALLS ORDNANCE WORKS BUS SERVICE

**EFFECTIVE OCTOBER 4, 1942**
**Subject to Change Without Notice**

| WEEKDAYS & SATURDAYS | | SUNDAYS | |
|---|---|---|---|
| Leave IRC Terminal | Leave Ordnance Works | Leave IRC Terminal | Leave Ordnance Works |
| A.M. | A.M. | A.M. | A.M. |
| 6:05 | 6:45LC | | |
| 6:45 | 7:25LC | 6:45 | 8:30L |
| 7:10 | 7:50L | | |
| 7:30 | 8:30 | | |
| 8:30L | 9:15LC | 10:15L | 11:00LC |
| 10:15L | 11:00LC | | |
| P.M. | P.M. | P.M. | P.M. |
| 1:00L | 1:45L | | |
| 2:30 | 3:15LC | 2:45 | 4:30 |
| 2:45 | 3:45 | | |
| 3:30L | 4:30 | | |
| 4:15L | 5:00 | | |
| 4:30L | 5:15 | | |
| 5:00L | 5:45 | | A.M. |
| 10:45L | A.M. 12:30 | 10:45L | 12:30 |

L—Via Lewiston Road-Ridge Road Lewiston (Ball Park)

LC—Via Ridge Road, Center St. to Fourth St. Lewiston Thence to Niagara Falls.

Other trips via Creek Road (cut-off).

Passengers may board or alight at any bus stop.

Buses operate from IRC Terminal, Riverway, via Falls St., Third St., Main St., Lewiston Road, Ridge Road and Latta Road.

### FARES

| Zone 1 Niagara Falls to | One Way | Round Trip |
|---|---|---|
| Zone 3 Lewiston Heights | 20c | 30c |
| Zone 4 Lewiston (to Ridge Rd.-Creek Rd. Intersection) | 25c | 35c |
| Zone 5 Ridge Rd.-Creek Rd. Intersection to Lake Ontario Ordnance Works | 30c | 45c |
| 28-trip 30-day Commutation Ticket between Zones 1 and 5 | $4.00 | |

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REPRODUCED AT THE NATIONAL ARCHIVES

TRANSPORTATION
BUS SCHEDULE

# NIAGARA FALLS ORDNANCE WORKS BUS SERVICE

EFFECTIVE NOVEMBER 1, 1942
Subject to Change Without Notice

| WEEKDAYS & SATURDAYS | | SUNDAYS | |
|---|---|---|---|
| Leave IRC Terminal | Leave Ordnance Works | Leave IRC Terminal | Leave Ordnance Works |
| A.M. | A.M. | A.M. | A.M. |
| 6:05 | 6:45LC | | |
| 6:35 | 7:15L | | |
| 6:45 | 7:25LC | 6:45 | 8:30L |
| 7:10 | 7:50L | | |
| 7:30 | 8:30L | | |
| 8:30L | 9:15LC | 10:15L | 11:00LC |
| 10:15L | 11:00LC | | |
| P.M. | P.M. | P.M. | P.M. |
| 1:00L | 1:45L | | |
| 2:30 | 3:15LC | 2:45 | 4:30 |
| 2:45 | 3:45 | | |
| 3:30L | 4:30 | | |
| 4:15L | 5:00 | | |
| 4:30L | 5:15 | | |
| 5:00L | 5:45 | | A.M. |
| 5:20L | 6:10L | | |
| 10:45L | A.M. | 10:45L | 12:30 |
| | 12:30 | | |

L—Via Lewiston Road-Ridge Road Lewiston (Ball Park)
LC—Via Ridge Road, Center St. to Fourth St. Lewiston Thence to Niagara Falls.
Other trips via Creek Road (cut-off).
Passengers may board or alight at any bus stop.
Buses operate from IRC Terminal, Riverway, via Falls St., Third St., Main St., Lewiston Road, Ridge Road and Latta Road.

## FARES

| Zone 1 Niagara Falls to | One Way | Round Trip |
|---|---|---|
| Zone 2 Upper Mountain Rd. | 15c | 25c |
| Zone 3 Lewiston Heights | 20c | 30c |
| Zone 4 Lewiston (to Ridge Rd.-Creek Rd. Intersection) | 25c | 35c |
| Zone 5 Ridge Rd.-Creek Rd. Intersection to Lake Ontario Ordnance Works | 30c | 45c |
| 20-trip 30-day Commutation Ticket between Zones 1 and 5 | $4.00 | |

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# NIAGARA FALLS ORDNANCE WORKS BUS SERVICE

EFFECTIVE DECEMBER 27, 1942
Subject to Change Without Notice

| WEEKDAYS & SATURDAYS | | SUNDAYS | |
|---|---|---|---|
| Leave IRC Terminal | Leave Ordnance Works | Leave IRC Terminal | Leave Ordnance Works |
| A.M. | A.M. | A.M. | A.M. |
| 6:05 | 6:45LC | | |
| 6:35 | 7:15L | | |
| 6:45 | 7:25LC | 6:45 | 8:30L |
| 7:10 | 7:50L | | |
| 7:30 | 8:30L | | |
| 8:30L | 9:15LC | 10:15L | 11:00LC |
| 10:15L | 11:00LC | | |
| P.M. | P.M. | P.M. | P.M. |
| 1:00L | 1:45L | | |
| 2:30 | 3:30L | 2:45 | 4:30 |
| 2:45 | | | |
| 3:30L | 4:30 | | |
| 4:15L | 5:00 | | |
| 4:35L | 5:20 | | |
| 5:00 | 5:45 | | |
| 5:15L | 6:00L | | |
| | A.M. | | A.M. |
| 10:45L | 12:30 | 10:45L | 12:30 |

L—Via Lewiston Road-Ridge Road Lewiston (Ball Park)
LC—Via Ridge Road, Center St. to Fourth St. Lewiston Thence to Niagara Falls.
Other trips via Creek Road (cut-off).
Passengers may board or alight at any bus stop.
Buses operate from IRC Terminal, Riverway, via Falls St., Third St., Main St., Lewiston Road, Ridge Road and Latta Road.

## FARES

| Zone 1 Niagara Falls to | One Way | Round Trip |
|---|---|---|
| Zone 2 Upper Mountain Rd. | 15c | 25c |
| Zone 3 Lewiston Heights | 20c | 30c |
| Zone 4 Lewiston (to Ridge Rd.-Creek Rd. Intersection) | 25c | 35c |
| Zone 5 Ridge Rd.-Creek Rd. Intersection to Lake Ontario Ordnance Works | 30c | 45c |
| 20-trip 30-day Commutation Ticket between Zones 1 and 5 | $4.00 | |

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# NIAGARA FALLS ORDNANCE WORKS BUS SERVICE

EFFECTIVE FEBRUARY 10, 1943
Subject to Change Without Notice

| WEEKDAYS & SATURDAYS | | SUNDAYS | |
|---|---|---|---|
| Leave IRC Terminal | Leave Ordnance Works | Leave IRC Terminal | Leave Ordnance Works |
| A.M. | A.M. | A.M. | A.M. |
| 6:05L | 6:45LC | | |
| 6:35L | 7:15L | | |
| 6:45L | 7:25LC | 6:45L | 8:30L |
| 7:10L | 7:50L | | |
| 7:30L | 8:30L | | |
| 8:30L | 9:15LC | 10:15L | 11:00LC |
| 10:15L | 11:00LC | | |
| P.M. | P.M. | P.M. | P.M. |
| 1:00L | 1:45L | | |
| 2:30L | 3:30L | 2:45L | 4:30L |
| 2:45L | | | |
| 3:30L | 4:30L | | |
| 4:15L | 5:00L | | |
| 4:35L | 5:20L | | |
| 5:15L | 6:00L | | |
| 7:25L | 8:10L | | |
| 9:15L | 10:00L | | |
| | A.M. | | A.M. |
| 10:45L | 12:30L | 10:45L | 12:30 |

L—Via Lewiston Road-Ridge Road Lewiston (Ball Park)
LC—Via Ridge Road, Center St. to Fourth St. Lewiston Thence to Niagara Falls.
Passengers may board or alight at any bus stop.
Buses operate from IRC Terminal, Riverway, via Falls St., Third St., Main St., Lewiston Road, Ridge Road and Latta Road.

## FARES

| Zone 1 Niagara Falls to | One Way | Round Trip |
|---|---|---|
| Zone 2 Upper Mountain Rd. | 15c | 25c |
| Zone 3 Lewiston Heights | 20c | 30c |
| Zone 4 Lewiston (to Ridge Rd.-Creek Rd. Intersection) | 25c | 35c |
| Zone 5 Ridge Rd.-Creek Rd. Intersection to Lake Ontario Ordnance Works | 30c | 45c |
| 20-trip 30-day Commutation Ticket between Zones 1 and 5 | $4.00 | |

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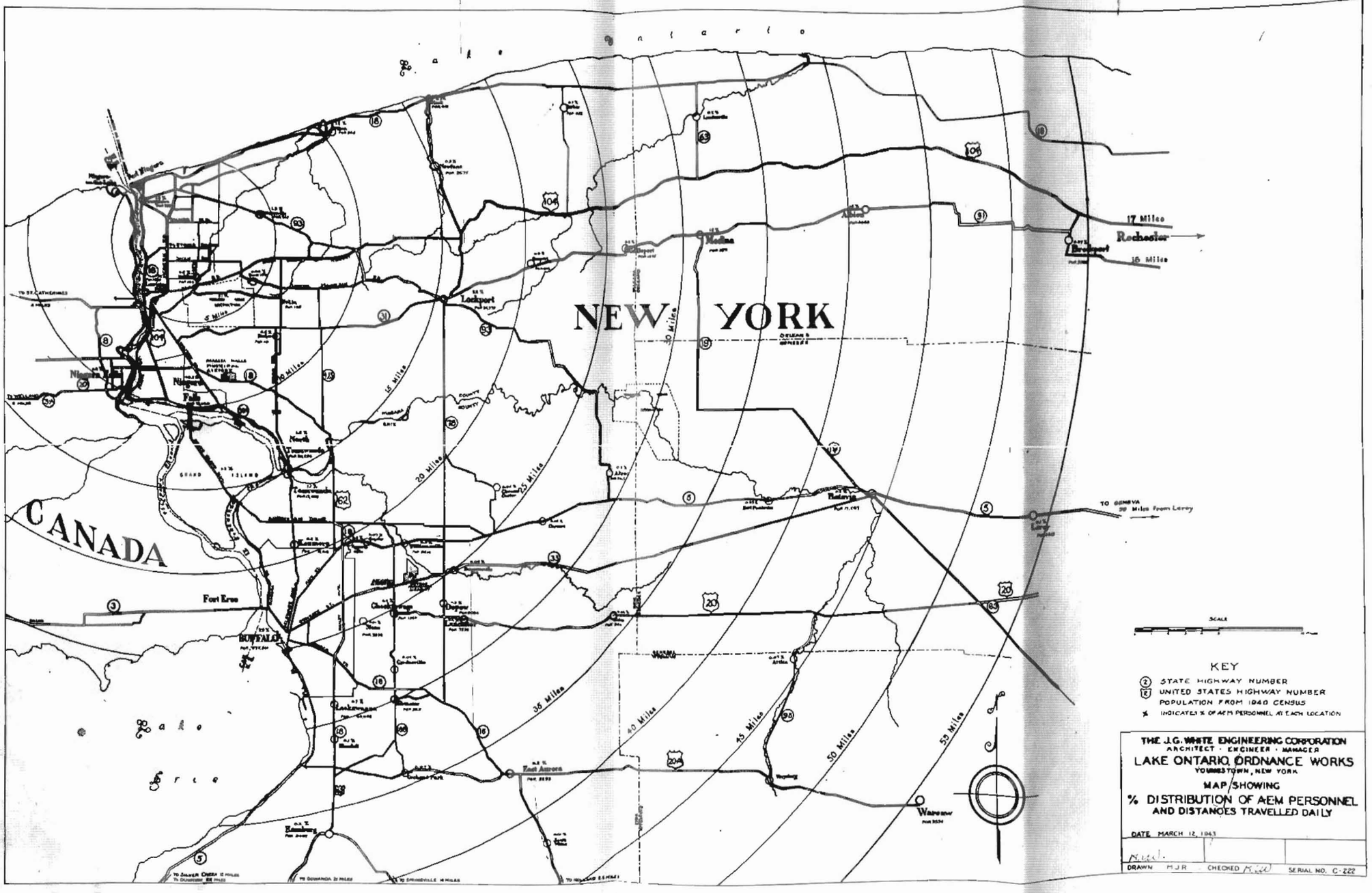



THE J.G. WHITE ENGINEERING CORPORATION
ARCHITECT · ENGINEER · MANAGER

LAKE ONTARIO ORDNANCE WORKS
YOUNGSTOWN, NEW YORK

MAP SHOWING
% DISTRIBUTION OF AEM PERSONNEL
AND DISTANCES TRAVELLED DAILY

DATE MARCH 12, 1943

DRAWN MJR CHECKED [illegible] SERIAL NO. C-222

ARCHIVED AT THE NATIONAL ARCHIVES

436 The site of the Project lies in the path usually followed by the storms which originate off the Pacific coast of the United States, southern Alaska, west of the Mississippi, western and central Canada and over the Great Lakes. These pass eastward over Ontario and the Saint Lawrence River to the Atlantic Ocean area. Hence, one must expect many days with rain and more days with winds in this locality as the areas of high pressure as well as the areas of low pressure follow much the same course over the American continent.

437. The construction period from the first of January 1942 to the fifteenth of March 1943 was one of greater than average precipitation both of rain and snow, as will be readily comprehended by reference to the chart showing the Weather Record for Lewiston during this time, see page 374. The excessive amounts of surface water together with the impervious nature of the soil greatly hampered construction in the early stages. It even held up surveys.

438. Copies of the Monthly Meteorological Records, U. S. Weather Bureau Form 1009, for Lewiston, N. Y., from January 1942 through February 1943, prepared by Supervisor Percy Morgan of the Town of Lewiston, who cooperated most generously and courteously, are to be found in Section "C" of the Appendix.

General Weather Conditions

439. From January 1, 1942 to March 1, 1943 there were 154 - "clear days", (sky less than 40% overcast), 130 - "partly cloudy days", (sky 40% - 79% overcast) and 140 - "cloudy days", (sky 80% - 100% overcast). During this period there were 125 days with a trace or more of rain, 75 days with snow and 5 additional days with both rain and snow, a total of 205 days with some precipitation. Many cases of respiratory infections, colds, sore throat, "sinus trouble" and pneumonia developed in the contractors' and other personnel.

Temperature

440. During the construction period from January 1, 1942 to March 15, 1943 there were 161 days when the temperature was below the freezing point and 21 additional days when the minimum was 32° F., or freezing.

441. In June 1942, a maximum and minimum thermometer was obtained and daily readings were taken near the center of the Project, except for Saturdays and Sundays. A comparison of the maxima and minima within the area and those obtained from the Cooperative Observer, Mr. Percy Morgan, for Lewiston, (several miles away, taken near the Niagara River) shows a definite and stabilizing effect from the River upon the nearby

atmosphere and indicates that the temperature in the Administration Area, at the site, averages about 5° F. higher than the Lewiston temperatures.

442. The maximum temperature recorded on the site was 101° F. on July 14, 1942, that for Lewiston on the same day was 93° F.

443. The minimum temperature recorded on the site was-10°F. on February 15, 1943. The Lewiston reading for the same day was-11° F.

444. Generally speaking, the temperatures from October through April are relatively so low that it was necessary to provide insulation to the walls of many buildings and additional heating in many buildings, where it was already provided, and to provide heating for numerous buildings where no heating was originally planned.

445. Additional housing had to be provided for large installations of equipment in the Acid Area and for many tanks in the T.N.T. Area because of the low temperatures prevalent in this vicinity.

446. The daily temperature range is shwon on the chart of the Weather Record on page 374.

## Precipitation

447. In planning drainage ditches and storm sewers a maximum hourly precipitation of 2.75 inches per hour was used for this Project. The recorded maxima for this vicinity, having a definite official status, are those of Buffalo, as follows:

5 minutes maximum 0.82"
15 minutes maximum 0.92"
60 minutes maximum 2.22" August 8, 1885
Monthly maximum 10.6" August 1885
Yearly maximum 60.2" in 1877

448. The precipitation records for Lewiston cover a period of 21 years, up to the time of starting construction on the Project. They were made on a 24 hour basis with readings from approximately 6 P.M. one day to 6 P.M. the next day, giving a total, covering 6 hours of one day and 18 hours of the next.

RODUCED AT THE NATIONAL ARCHIVES



449. The monthly records for Lewiston, from January 1942 through February 1943, are as follows:

| MONTH | PRECIPITATION | AVERAGE FOR SAME MONTH (21 yrs.) | 1942-DEVIATION FROM AVERAGE |
|---|---|---|---|
| January 1942 | 0.91" | 1.58" | - 0.67" |
| February | 4.10" | 1.59" | + 2.51" |
| March | 4.22" | 1.74" | + 2.48" |
| April | 2.21" | 1.88" | + 0.33" |
| May | 5.64" | 2.08" | + 3.56" |
| June | 1.45" | 2.45" | - 1.00" |
| July | 3.80" | 2.31" | + 1.49" |
| August | 1.18" | 1.88" | - 0.70" |
| September | 3.25" | 2.80" | + 0.45" |
| October | 2.82" | 2.43" | + .39" |
| November | 4.15" | 1.74" | + 2.41" |
| December | 4.07" | 1.35" | + 2.72" |
| Total for 1942 | 37.80" | 21 Yr. Av. 23.83" | +13.97" |
| January 1943 | 1.34" | 22 Yr.Av. 1.55" | - 0.21" |
| February 1943 | 1.87" | 22 Yr.Av. 1.60" | + 0.27" |

450. The amount of daily precipitation is shown in hundredths of an inch on the Weather Record on page 374. The surface water conditions due to rain and melted snow on March 9, 1942 are shown on the photograph on page 50.

Winds

451. The frequencies of prevailing winds by weeks during 1942 were as follows:

| | |
|---|---|
| Northeast - 20 | North - 3 |
| Southwest - 14 | East - 2 |
| Northwest - 4 | South - 1 |
| West - 4 | Variable - 4 |

452. High winds were recorded on 28 days and gales on 5 days. Thunder was recorded on 8 days during 1942. Several interruptions to electrical service occurred during the construction period due to the wind blowing down wires or causing them to sway together with resulting short circuits.

453. No anemometer readings are available but observations of the Post flag atop the 100 ft. flag pole indicate prevailing winds with a velocity of twenty-five miles per hour during the winter months with gusts and intermittent blasts from 60 - 65 miles per hour.

454. The intensity and frequency of the winds which occur on the site required additional wind bracing in many of the buildings, over and above that provided in the duPont designs.

ODUCED AT THE NATIONAL ARCHIVES



## WEATHER

### Weather Forecasts and Reports

455. The Cost, Schedules and Reports Department of the A-E-M made arrangements with Mr. A. P. Keller of the Buffalo Office, United States Weather Bureau, for daily information, which was received by telephone, covering the weather forecast for the day and the two following days and promptly distributed this information by telephone or typed reports to interested department heads, Army officers, construction superintendents and operating supervisors. Mr. Keller and his Bureau were especially cooperative.

456. In addition, this department of the A-E-M made readings of maxima and minima temperatures on the site subsequent to June 18, 1942 and barometric readings subsequent to December 26, 1942. It also obtained daily, by telephone, readings of Lewiston temperatures, precipitation and other weather data from Mr. Percy Morgan. These readings were plotted on the Weather Record Chart for Lewiston, N. Y. (see page 374), and distributed periodically.

457. A typical daily forecast is as follows:

#### WEATHER REPORT AND FORECAST

RECEIVED FROM THE U. S. WEATHER BUREAU, BUFFALO AIRPORT

SATURDAY - March 27, 1943

Continued moderately cold today and tonight. Lowest temperature tonight about 24°.

WIND DIRECTION

Gentle to moderate northerly winds.

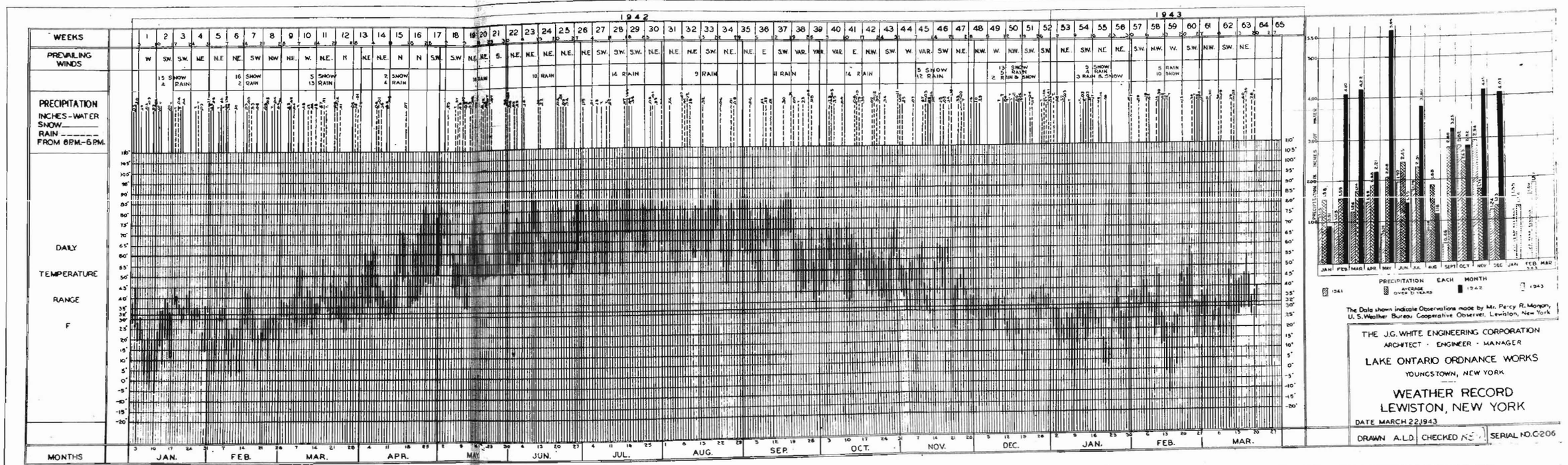
SUNDAY - March 28, 1943

Continued cold, followed by light rain or snow late at night.

Unofficial Forecast for MONDAY - March 29, 1943

Partly cloudy with rising temperature and occasional rain or snow and moderate winds.

Barometer on Project at 12:45 P.M. (3-27-43) - 29.92" - Falling


1942
1943
WEEKS
PREVAILING WINDS
PRECIPITATION
INCHES-WATER
SNOW
RAIN
FROM 6P.M.-6P.M.
DAILY TEMPERATURE RANGE F
MONTHS
JAN.
FEB.
MAR.
APR.
MAY
JUN.
JUL.
AUG.
SEP.
OCT.
NOV.
DEC.
JAN.
FEB.
MAR.
PRECIPITATION EACH MONTH
AVERAGE OVER 51 YEARS
1941
1942
1943
The Data shown indicate Observations made by Mr. Percy R. Mongeon, U. S. Weather Bureau Cooperative Observer, Lewiston, New York
THE J.G. WHITE ENGINEERING CORPORATION
ARCHITECT · ENGINEER · MANAGER
LAKE ONTARIO ORDNANCE WORKS
YOUNGSTOWN, NEW YORK
WEATHER RECORD
LEWISTON, NEW YORK
DATE MARCH 22,1943
DRAWN A.L.D.
CHECKED
SERIAL NO. C-206

LAKE ONTARIO ORDNANCE WORKS
THE J. G. WHITE ENGINEERING CORPORATION
ARCHITECT • ENGINEER • MANAGER

# CONTRACTS CONTROL CHART

SHEET 1 OF 2
WEEK ENDING March [illegible], 1943

Contract No. DA-W-138 ENG-1, etc. - Construction Only

| CONTRACT NO | DESCRIPTION | Project Construction Schedule Start | Project Construction Schedule Finish | J.G.W. Drawing Schedule Start | J.G.W. Drawing Schedule Finish | COMP. SPECS | Invitation to Bid Sent Out | Invitation to Bid Compar'd | Contract Officer Approval | Contract Let To | Contract Dated | Contract Amt | Notified to Proceed | Field Work Contracted Start | Field Work Contracted Finish | Material Supplied by Contr. % Ord. | Material Supplied by Contr. % Del. | Critical Items | Field Work Actual Start | Field Work Actual Finish | % Comp. | % Comp. | Personnel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Architect-Engineer-Manager Neg. Cost plus Fixed Fee | 1942 Jan. 8 | 1943 Mar. 28 | 1942 Jan. 8 | Record Mar. 28 1943 | | | | | The J.G.White Eng.Corp. | Jan. 13 | 18,821,480.82 | | Jan.8, 1942 | Mar.28, 1943 | | | | Jan. 8 | | [illegible] | [illegible] | [illegible] |
| 7 | Foundation for Main Office Building Lump Sum | Mar. 3 | Apr. 2 | 2/14 | 2/24 | Feb. 24 | Feb. 24 | Feb. 28 | Mar. 2 | Balling Brothers 401 Bennett Street North Tonawanda, N. Y. | Mar. 2 | C.O.#1 F 6,971.00 | Mar. 2 | Mar. 3 | May 5 | 100 | 100 | | Mar. 3 | May 5 | 100 | 100 | |
| 12 | Ready-Mix Concrete Unit Price | Mar. 13 | To End of Job | No Drawings | | Mar. 5 | Mar. 5 | 1 Bid Mar. 7 | Mar. 7 | Cooney Brothers, Inc. Tarrytown, N. Y. | Mar. 7 | C.O.#1,2, 3 & 4 * 454,000.00 | Mar. 7 | Mar. 13 | To End of Job | 100 | 100 | | Mar. 13 | Nov. 7 | 100 | 100 | |
| 13 | Concrete Magazines Lump Sum | Apr. 1 | Aug. 1 | 2/1 | 3/2 | Mar. 9 | Mar. 9 | 1 Bid Mar. 14 | Mar. 14 | Poirier & McLane, 33 W. 42nd Street New York, N. Y. | Apr. 1 | S.Report F CO#1,2,3,4&5 575,877.86 | Apr. 1 | Apr. 1 | Sept. 12 | 100 | 100 | | Apr. 1 | Sept. 12 | 100 | 100 | |
| 14 | Railroad Unit Price | Apr. 1 | June 10 | 2/16 | 3/6 | Mar. 11 | Mar. 11 | 2 Bids Mar. 18 | Mar. 18 | A. S. Wikstrom, Bound Brook, New Jersey | Mar. 19 | CO#1,2,3, 4,5&6 F 495,992.46 | Mar.19 | Apr. 1 | Sept. 12 | 100 | 100 | | Mar. 27 | Sept. 12 | 100 | 100 | |
| 15 | Main Office Building Lump Sum | Mar.24 | May 8 | 2/16 | 3/12 | Mar. 19 | Mar. 19 | 1 Bid Mar. 19 | Mar. 21 | Wright & Kremers, Inc. Pine Avenue & Main St. Niagara Falls, N. Y. | Mar. 21 | CO#1,2,3, &4 F 116,848.50 | Mar. 21 | Mar. 24 | May 30 | 100 | 100 | | Mar. 24 | June 4 | 100 | 100 | |
| 16 | Drainage (Open Ditch) Lump Sum | Mar.26 | Sept.24 | 3/1 | 3/14 | Mar.14 | 2-Mar.14 10-Mar.16 | 8 Bids Mar. 19 | Mar. 21 | Dump Truck Service Inc. 50 Wecker Street Buffalo, N. Y. | Mar. 21 | CO#1 F 162,775.36 | Mar.21 | Mar. 26 | Sept. 10 | none required | | | Mar. 27 | Sept. 15 | 100 | 100 | |
| 19 | Guard Fence Lump Sum | Mar.26 | June 4 | 3/1 | 3/17 | Mar.17 | 3 Mar. 17 | 3 Bids Mar. 20 | Mar. 25 | American Steel & Wire Co. 1403 Liberty Bank Bldg. Buffalo, N. Y. | Mar.25 | CO.#1,2,3 F 58,834.92 F | Mar.25 | Mar. 26 | Dec. 10 | 100 | 100 | | Apr. 2 | Dec. 10 | 100 | 100 | |
| 23 | Drinking Water System Unit Price | Apr. 1 | May 11 | 1/26 | 3/23 | Mar.26 | Mar.26 | 3 Bids Mar. 26 | Mar. 30 | Bison Contracting Corp. 493 Washington Highway Snyder, New York | Mar.30 | F C.O.#1&2 35,159.27 | Mar.30 | Apr. 1 | Aug. 8 | 100 | 100 | | Apr. 1 | Aug. 8 | 100 | 100 | |
| 24 | Roads & Grading Lump Sum | Apr. 2 | Sept. 27 | 3/1 | 3/27 | Mar.14 | 4-Mar. 14 5-Mar. 16 | 4 Bids Mar. 18 | Mar. 31 | William J. Gallagher, Inc. 510 Orient Street Medina, New York | Apr.1 | CO#1,2,3, 4,5&6 F 981,508.73 | Apr. 1 | Apr. 2 | Nov. 7 | 100 | 100 | | Apr. 1 | Nov. 7 | 100 | 100 | |
| 26 | General & Boiler House Foundations Lump Sum & Unit Price | Apr. 3 | July 2 | 2/25 | 3/25 | Mar.25 | Mar.25 | 1 Bid Mar. 30 | Apr. 1 | Poirier & McLane Corp. 33 W. 42nd Street New York, N. Y. | Apr. 1 | Revised CO #1,2,3 F 291,631.95 | Apr. 1 | Apr. 3 | July 31 | 100 | 100 | | Apr. 3 | July 31 | 100 | 100 | |
| 36 | Administration Group Neg. Lump Sum | Apr. 18 | May 17 & June 1 | DuPont Drawings Used | | Apr.1 | 9-Apr.1 | Apr. 16 | Apr. 17 | Balling Brothers 401 Bennett Street North Tonawanda, N. Y. | Apr. 17 | CO#1,2,3,4, 5,6,7,8,9 F 153,921.97 | Apr.17 | Apr. 18 | Oct. 26 | 100 | 100 | | Apr. 17 | Aug. 3 | 100 | 100 | |
| 40 | Erecting 14 Steel Tanks in Acid Area Neg. Lump Sum | May 16 | July 25 | No Drawings by J. G. White | | Apr. 4 | 5-Apr.4 | 1 Bid Apr. 10 | Apr. 20 | General American Trans.Co. Sharon, Pennsylvania | Apr.22 | CO#1&2 F 32,527.76 | Apr. 30 | May 16 | July 25 | 100 | 100 | | May 16 | July 20 | 100 | 100 | |
| 58 | Erect Steel for Boiler House, Acid Area and TNT Area Neg. Lump Sum & Unit Price | Apr. 28 | June 20 | Stone & Webster Plans | | Apr. 4 | Apr. 4 | Apr. 24 | Apr. 27 | Schiavo Construction Co. Buffalo, New York | Apr.28 | CO#1,2,3 &4 F 43,477.62 | Apr. 28 | Apr. 28 | July 25 | 100 | 100 | | May 6 | July 22 | 100 | 100 | |
| 60 | Construction Buildings in Shop Area Neg. Lump Sum | Apr. 27 | June 1 & July 20 | DuPont Plans Used | | Apr. 8 | 7-Apr.8 | 1 Bid Apr. 20 | Apr. 25 | W. F. Hendrich Co., Buffalo, New York | Apr.27 | CO#1,2,3,4, 5,6&7 F 404,782.43 | Apr.27 | Apr.27 | Aug. 10 | 100 | 100 | | Apr. 26 | Aug. 7 | 100 | 100 | |
| 62 | Furnish and Install Chemical Lead in TNT & Acid Areas.Neg.Unit Price Constr. | May 15 | Acid A8-15 TNT 9-15 | Drawings by DuPont | | Apr. 8 | Apr. 15 | 1 Bid Apr. 29 | May 5 | O. G. Kelley & Co. Neponset Station Boston, Mass. | Apr.29 | CO#1,2,3, 4,5,6 F 149,067.63 | May 8 | May 15 | 10 days after work is ready | 100 | 100 | | June 15 | Feb. 27, 1943 | 100 | 100 | |
| 64 | Furnish and Install Telephone Apparatus Neg. Lump Sum Constr. | Apr. 29 | July 18 | No Drawings by J. G. White | | Apr. 28 | Apr. 28 | 2 Bids Apr. 29 | Apr. 29 | American Automatic Electric Sales Co. Chicago, Illinois | Apr.29 | CO#1,2,&3 F 34,906.81 | Apr. 29 | Apr. 29 | Oct. 10 | 100 | 100 | | Apr. 29 | Oct. 7 | 100 | 100 | |
| 67 | Erect Boundary & Wood Fence Neg. Lump Sum & Unit Price | June 1 | Aug. 10 | 4/24 | 6/13 | Apr. 24 | 4-Apr.24 | 2 Bids | May 13 | Anchor Post Fence Co. Baltimore, Maryland | May 12 | CO#1&2 F 18,123.81 | May 13 | June 1 to June 15 | Sept. 23 | 100 | 100 | | June 26 | Sept. 21 | 100 | 100 | |
| 69 | Erect 9 Tanks of Various Kinds Neg. Lump Sum | June 1 | Aug. 1 | No Drawings by J.G.White | | Apr. 25 | Apr. 25 | DuPont May 12 | May 12 | Chicago Bridge & Iron Co. Philadelphia, Pa. | May 12 | CO#1&2 F 27,580.46 | May 12 | June 1 | Aug. 15 | 100 | 100 | | June 1 | Aug. 13 | 100 | 100 | |
| 70 | Erection of 6 Tanks Neg. Lump Sum | June 10 | Aug. 4 | No Drawings by J. G. White | | Apr. 28 | Apr. 28 | 1 Bid May 18 | May 18 | Pittsburgh DesMoines Steel Co. New York, N. Y. | May 22 | F 12,000.00 | May 22 | June 10 | Aug. 4 | 100 | 100 | | June 10 | Aug. 13 | 100 | 100 | |
| 71 | Electrical Work in 27 Buildings Neg. Lump Sum | May 12 | July 1 | Specifications Only | | Apr. 30 | 3-Apr.30 | 3 Bids May 9 | May 9 | Rohrer Electric Co., Inc. Niagara Falls, New York | May 9 | CO#1,2,& 3 F 21,578.00 | May 9 | May 12 | Nov. 10 | 100 | 100 | | May 19 | Nov. 10 | 100 | 100 | |
| 72 | Installation of Power Lines Neg. Installation Contract | July 2 | Aug. 1 | Mar. 15 | May 7 | May 7 | Neg. by Buffalo Office Dist.Eng. | | July 2 | Buffalo Niagara Electric Corp. Buffalo, N. Y. | July 2 | F 45,701.04 | July 2 | July 2 | Aug. 1 | 100 | 100 | | July 6 | Sept. 11 | 100 | 100 | |
| 74 | Plumbing for Misc. Aux. Buildings Neg. Lump Sum | May 12 | July 1 | 3/1 | 3/20 | Apr. 30 | 4-Apr.30 | 1 Bid May 12 | May 12 | George Schank 116-16th Street Buffalo, New York | May 12 | C.O.#1,2, 3 & 4 F 66,301.81 | May 12 | May 12 | Nov. 7 | 100 | 100 | | May 19 | Nov. 7 | 100 | 100 | |
| 77 | Erection of 9 Tanks Neg. Lump Sum | June 1 | Aug. 30 | No Drawings by J. G. White | | Apr. 24 | Apr. 24 | 1 Bid May 19 | May 19 | Chattanooga Boiler & Tank Co. Chattanooga, Tenn. | May 19 | F 17,050.00 | May 20 | June 1 | Aug. 30 | 100 | 100 | | May 30 | Aug. 15 | 100 | 100 | |
| 78 | Sellite Plant Neg. Lump Sum & Unit Price | June 15 | Sept. 1 | No Drawings by J. G. White | | | | | May 18 | Chemical Construction Corp. New York, New York | May 18 | F CO#1,2&3 34,748.79 | May 26 | June 15 | Oct. 12 | 100 | 100 | | June 15 | Oct. 29 | 100 | 100 | |
| 79 | Fabricating, Installing & Mfg. Water Lines from River Pump Station-Treatment Tanks. Neg. Lump Sum | May 16 | Aug. 7 | 3/1 | 5/15 | May 11 | May 11 | 1 Bid May 15 | May 15 | H. F. Darling Williamsville, N. Y. | May 15 | CO#1,2,3, 4,5,6,7&8,9 462,874.78F | May 16 | May 16 | Dec. 12 | 100 | 100 | | June 9 | Dec. 12 | 100 | 100 | |
| 82 | Erect Electric Dumbwaiters Neg. Lump Sum | July 1 | July 21 | No Drawings by J. G. White | | May 5 | May 5 | May 18 | May 18 | Otis Elevator Co. Buffalo, New York | May 22 | CO#1,2,3, 3 F 4,889.92 | May 22 | July 1 | 5 days after receipt of critical mat. | 100 | 100 | | June 23 | Nov. 18 | 100 | 100 | |
| 83 | Water Distributing System Neg. Lump Sum | June 1 | July 20 | 3/1 | 5/7 | May 7 | 5-May 7 | 4 Bids May 19 | May 19 | Poirier & McLane 33 W. 42nd Street New York, N. Y. | May 19 | CO#1,2,&3 F 170,293.97 | May 23 | June 1 | Oct. 8 | 100 | 100 | | June 1 | Oct. 7 | 100 | 100 | |
| 84 | Primary Distributing System & Guard Fence Lighting Neg. Lump Sum | June 1 | Aug. 4 | 3/15 | 5/6 | May 8 | 4-May 8 | 3 Bids May 21 | May 21 | O'Connell Electric Co. Rochester, New York | May 21 | CO#1,2,3 90,594.21F | May 23 | June 1 | 14 days after receipt of critical mats | 100 | 100 | | June 16 | Dec. 9 | 100 | 100 | |

* Estimated Total Amount

F - Final Payment

LAKE ONTARIO ORDNANCE WORKS
THE J. G. WHITE ENGINEERING CORPORATION
ARCHITECT • ENGINEER • MANAGER

# CONTRACTS CONTROL CHART

SHEET 2 OF 2
WEEK ENDING March 13, 1943



Contract No. DA-W-138 ENG-1, etc. - Construction Only

| CONTRACT NO. | DESCRIPTION | PROJECT CONSTRUCTION SCHEDULE START | PROJECT CONSTRUCTION SCHEDULE FINISH | J.G.W. DRAWING SCHEDULE START | J.G.W. DRAWING SCHEDULE FINISH | COMP. SPECS | INVITATION TO BID SENT OUT | INVITATION TO BID COMP'D | CONTRACT OFFICER APPROVAL |
|---|---|---|---|---|---|---|---|---|---|
| 86 | Installation & Completion of Sprinkler Systems. Neg. Lump Sum & Unit Price | June 1 | July 20 | 4/15 | 5/14 | 5/14 | 5/14 | 1 Bid May 26 | May 26 |
| 88 | Marine Work - Process Water Supply & Waste Water Discharge Neg. Lump Sum & Unit Price | June 1 | Aug. 10 | 3/1 | 5/27 | 5/27 | 5/27 | 2 Bids May 27 | May 27 |
| 89 | Heating 24 Buildings Neg. Lump Sum & Unit Price | June 1 | July 31 | 4/15 | 5/19 | 5/19 | 5/19 | 4 Bids May 28 | May 28 |
| 92 | Roofing & Siding for Boiler House #401 Neg. Lump Sum & Unit Price | June 10 | Aug. 20 | Drawings by Stone & Webster | | 5/14 | 5/14 | 2 Bids May 28 | May 28 |
| 93 | Coal Silos Neg. Lump Sum & Unit Price | June 8 | Aug. 24 | 4/14 | 5/13 | 5/13 | 5/13 | 4 Bids May 28 | May 28 |
| 94 | Sewage Disposal Plant Neg. Lump Sum & Unit Price | June 1 | July 30 | 1/26 | 5/14 | 5/14 | 5/14 | 5 Bids May 28 | May 28 |
| 95 | Sub-Structure - Pumping Station, Inc. Land Section of Intake & Waste Water Discharge Neg. Lump Sum & Unit Price | June 1 | Aug. 7 | 3/1 | 5/15 | 5/15 | 5/15 | 2 Bids June 1 | June 1 |
| 96 | Heat Insulation and Pipe Covering Neg. Lump Sum & Unit Price | June 22 | 5 days after pipe completed | Specifications Only | | May 20 | May 20 | 4 Bids June 15 | June 18 |
| 99 | Sewage Collection System Neg. Lump Sum & Unit Price | June 5 | Aug.25 | 2/20 | 5/29 | May 14 | May 14 | 4 Bids June 5 | June 5 |
| 100 | 275,000 Gal.Elv. Conc. Water Stor.Tank Neg. Lump Sum | June 20 | Aug.20 | Drawings by Pre-Load Co. | | 6/5 | 6/5 | 3 Bids June 5 | June 5 |
| 107 | 100,000 Gal.Elv.Tank for Fire Protection Change from P.O.#2778 Neg. Lump Sum | June 20 | Oct. 7 | By Contractor | | | | Changed from P.O. | June 11 |
| 108 | 75,000 Gal. Tank for Drinking Water Change from P.O. #1861 Neg. Lump Sum | June 15 | July 22 | By Contractor | | | | Change from P. O. | June 11 |
| 109 | Erection of 3 Boilers at Boiler House #401 Neg. Lump Sum | June 12 | Aug. 28 | Stone & Webster | | June 8 | June 8 | 2 Bids June 11 | June 11 |
| 111 | Construction of 2 Ground Storage Res. Neg. Lump Sum & Unit Price | June 15 | Sept. 22 | May 1 | June 2 | June 2 | June 2 | 3 Bids June 9 | June 13 |
| 119 | Application of Roofing, TNT & Acid Areas and Misc. Neg. Lump Sum & Unit Price | June 24 | Aug. 2 | Specifications Only | | June 5 | June 5 | 3 Bids June 13 | June 22 |
| 120 | Glass and Glazing Neg. Lump Sum & Unit Price | June 24 | 5 days after last sash | Specifications Only | | June 3 | June 3 | 3 Bids June 11 | June 22 |
| 125 | Laying Acid Resistant Brick Work Neg. Lump Sum & Unit Price | June 30 | after other work is ready | Specifications Only | | June 8 | June 8 | 2 Bids June 24 | June 27 |
| 127 | Ash Storage Bin & Equipment Neg. Lump Sum & Unit Price | July 6 | Aug. 10 | By Contractor | | June 27 | June 27 | 1 Bid June 30 | July 1 |
| 128 | Heating and Plumbing in Manufacturing Buildings. Neg. Lump Sum & Unit Price | July 7 | Aug. 20 | May 16 | June 25 | June 25 | June 26 | 2 Bids July 2 | July 6 |
| 129 | Furnishing and Setting Kitchen and Cafeteria Equipment Lump Sum Neg. Contract. | May 20 | June 30 | Purchase Ord.#2955 | | | | Changed from P.O. | May 20 |
| 130 | Furnishing & Installing X-Ray Equipment Neg. Lump Sum | June 10 | July 24 | Purchase Ord.#3638 | | | | Changed from P.O. | June 6 |
| 131 | Erection of 2 Electric Mist Precipitators Neg. Lump Sum Contract | July 23 | Aug.13 | By DuPont | | | July 7 | 1 Bid July 8 | July 11 |
| 141 | Construction of 2 Dormitory Buildings inc. plumbing, Heating and Electrical work. Neg. Lump Sum Contract | Aug. 10 | Sept. 21 | June 20 | June 29 | June 30 | June 30 | 4 Bids July 7 | July 25 |
| 148 | Erection of (13) 24'x20' Riveted Steel Storage Tanks Neg. Lump Sum Contract | Dec. 1 | Feb. 15 | By DuPont | 4th Wave | | Oct. 1 | 1 Bid Oct. 5 | Oct. 15 |
| 149 | Erection of (1) 250,000 Gallon Toluene Storage Neg. Lump Sum Contract | Nov. 23 | Dec.12 | By DuPont | 4th Wave | | Oct. 7 | 1 Bid Oct. 9 | Oct. 15 |
| 150 | Erection of 1 Electric Mist Precipitator Neg. Lump Sum Contract | Nov. 25 | Dec. 8 | By DuPont | 4th Wave | | Oct. 16 | 2 Bids Oct. 20 | Oct. 30 |
| 153 | Additional Acid Sewer Neg. Lump Sum & Unit Price. | Jan. 12 1943 | Mar. 12 1943 | Dec. 21 | Dec. 28 | Dec. 28 | Dec. 28 | 3 Bids Dec. 31 | Jan. 8 |

(Contract Pending) Railroad Track construction by New York Central Railroad 11,012.15 Estimated

Government Field Overhead for Nov. 12 Estimate 800,000.00

Total Nov. 12 Estimate 26,957,414.00

| CONTRACT LET TO | DATED | AMT. | NOTIFIED TO PROCEED ON | FIELD WORK CONTRACTED START | FIELD WORK CONTRACTED FINISH | SUPPLIED BY CONTR % ORD | SUPPLIED BY CONTR % REC | MATERIAL CRITICAL ITEMS | FIELD WORK ACTUAL START | FIELD WORK ACTUAL FINISH | % COMP THIS WEEK SCH | % COMP THIS WEEK ACT | PERSONNEL ARCH & ENG OFFICE | PERSONNEL ENG | PERSONNEL CONSTR NAVV MANUAL | PERSONNEL CONSTR MANUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Automatic Sprinkler Corporation of America Buffalo, New York | May 26 | C.O.#1,2, 4&5 F 30,462.48 | May 26 | June 1 | Building #306 complete Sept. 12 | 100 | 100 | | June 9 | Sept. 19 | 100 | 100 | | | | |
| Barrett-Chapman & Scott Corp. Cleveland, Ohio | May 27 | C.O.#1 F 237,791.10 | May 27 | June 1 | Aug. 20 | 100 | 100 | | June 9 | Aug. 15 | 100 | 100 | | | | |
| C. H. Kremers & Son Niagara Falls, N. Y. | May 28 | CO#1,2,3, 4&5 F 30,696.39 | May 28 | June 1 | 7 days after last building is ready | 100 | 100 | | June 1 | Oct. 20 | 100 | 100 | | | | |
| American Steel Band Co. P.O. Box 565 Pittsburgh, Penn. | May 28 | CO#1,2,3, 4&5 F 20,180.82 | May 28 | June 10 | 14 days after ready for flashing | 100 | 100 | | July 18 | Oct. 10 | 100 | 100 | | | | |
| W. B. Kelly, Inc. 90 Vesey Street New York, N. Y. | May 28 | CO#1,2,3,4 &5 F 24,449.45 | May 28 | June 8 | 14 days after coal conveyor found, completed | 100 | 100 | | June 17 | Oct. 14 | 100 | 100 | | | | |
| The W.F.Hendrich Co., Inc. Buffalo, New York | May 28 | CO#1,2,3, 4&5 F 142,695.75 | June 1 | June 1 | Aug. 24 | 100 | 100 | | June 1 | Aug. 20 | 100 | 100 | | | | |
| McLain Construction Corp. 1209 Hertel Ave. Buffalo, New York | June 1 | CO#1,2,3,4,5 F 348,944.59 | June 1 | June 1 | Sept. 25 | 100 | 100 | | June 2 | Oct. 8 | 100 | 100 | | | | |
| Paul J. Kres Company 444 North LaSalle St. Chicago, Ill. | June 18 | CO#1,2,3, 4 & 5 F 185,361.80 | June 18 | June 22 | 5 days after pipe completion | 100 | 100 | | July 6 | Cancelled as of Jan. 29 | 100 | 100 | | | | |
| Herbert F. Darling Williamsville, N. Y. | June 5 | CO#1,2,3, 4&5 F 205,608.54 | June 5 | June 5 | 10 days after receipt of critical mats | 100 | 100 | | June 8 | Oct. 1 | 100 | 100 | | | | |
| Preload Co. Long Island City, N. Y. | June 5 | C.O. #1, 2, 3 & 4 F 31,249.72 | June 5 | June 20 | Sept. 30 | 100 | 100 | | June 23 | Dec. 5 | 100 | 100 | | | | |
| Pittsburgh Deadweight Steel Co., 270 Broadway New York, N. Y. | June 10 | CO#1&2 F 12,128.03 | June 11 | June 20 | Aug. 15 | 100 | 100 | | July 20 | Aug. 29 | 100 | 100 | | | | |
| Dennis Tank Co. 39 Cortland Street New York City | June 11 | CO#1 F 11,730.00 | June 11 | June 15 | July 22 | 100 | 100 | | July 8 | Aug. 7 | 100 | 100 | | | | |
| [illegible] Engineering Co., Inc. Long Island City, N. Y. | June 11 | CO#1,2&3 F 93,442.47 | June 11 | June 22 | 10 days after receipt of materials | 100 | 100 | | June 12 | Sept. 28 | 100 | 100 | | | | |
| Wright & Kremers, Inc. Niagara Falls, N. Y. | June 13 | CO#1,2,3 &4 F 107,463.29 | June 13 | June 15 | Super.Oct.17 Sub.Sept.22 | 100 | 100 | | June 17 | Oct. 20 | 100 | 100 | | | | |
| Joseph A. Sandore & Sons Inc. Buffalo, New York | June 22 | CO#1,2,3, &4 F 9,625.21 | June 22 | June 24 | 7 days after last bldg. is ready | 100 | 100 | | June 24 | Sept. 1 | 100 | 100 | | | | |
| Pittsburgh Plate Glass Co. Buffalo, New York | June 22 | CO#1&2 F 3,991.68 | June 22 | June 24 | 5 days after last sash | 100 | 100 | | July 2 | Sept. 12 | 100 | 100 | | | | |
| Stebbins Engineering and Manufacturing Co. Watertown, New York | June 27 | CO #1,2 F C.A.-A.B 107,581.56 | June 27 | June 30 | March 15,1943 | 100 | 100 | | July 1 | Feb. 19 | 100 | 100 | | | | |
| United Conveyor Corp. Chicago, Ill. | July 1 | C.O.#1,2 F 14,425.78 | July 3 | July 6 | Oct. 29 | 100 | 100 | | July 15 | Oct. 28 | 100 | 100 | | | | |
| W. C. Mapes Corporation Lockport, New York | July 6 | CO#1,2,3,4, 5,6,7 SA.A 118,423.42F | July 6 | July 7 | 5 days after receipt of critical mat. | 100 | 100 | | July 8 | Nov. 16 | 100 | 100 | | | | |
| S. H. Heilbron Company Lexington, Kentucky | May 20 | C.O.#1,2 15,328.29F | May 20 | May 20 | 5 days after delivery | 100 | 100 | | May 20 | Nov. 4 | 100 | 100 | | | | |
| Westinghouse Electric & Manufacturing Co. Buffalo, New York | June 6 | C.O.# 17 5,180.00 | June 6 | June 10 | Oct. 14 | 100 | 100 | | June 10 | Oct. 14 | 100 | 100 | | | | |
| Graver Tank & Mfg. Co., Inc. New York City | July 13 | C.O.#1 F 5,753.95 | July 13 | July 23 | Aug. 27 | 100 | 100 | | July 28 | Aug. 27 | 100 | 100 | | | | |
| Wright & Kremers Inc. Niagara Falls, N. Y. | July 25 | CO#1,2,3, &4 F 85,738.67 | July 27 | Aug. 10 | Nov. 14 | 100 | 100 | | July 30 | Nov. 15 | 100 | 100 | | | | |
| General American Trans. Corporation Sharon, Penn. | Oct.15 | * 30,144.00 | Oct. 15 | Dec. 1 | Feb. 15 | 100 | 95 | Delay due to late material delivery | Dec. 14 | | ** | 80 | 1 | | 2 | 10 |
| Chicago Bridge & Iron Co. Philadelphia, Pa. | Oct.15 | F 3,140.00 | Oct. 15 | Nov. 23 | Dec. 12 | 100 | 100 | | Nov. 27 | Dec. 23 | 100 | 100 | | | | |
| Graver Tank and Mfg. Co. Inc. 424 Madison Ave. New York City | Oct. 30 | F 3,224.00 | Oct. 30 | Nov. 25 | Dec. 23 | 100 | 100 | | Nov. 28 | Dec. 23 | 100 | 100 | | | | |
| Herbert F. Darling Williamsville, New York | Jan.8 | * 70,000.00 | Jan. 12 | Jan. 12 | Mar. 12 | 100 | 80 | | Jan. 21 | | ** | 72 | | | 5 | 19 |

* Estimated Total Amount

F-Final Payment

** Time extension pending

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-1 Directive Consecutive No. 15, M-249, M-466

Description of Work: Architect-Engineer-Manager in connection with the engineering and construction of the Lake Ontario Ordnance Works.

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad St., New York, N. Y.

Subcontractors — Description of Work
(See separate sheet for each subcontractor)

## Contract Data

Type of Contract - Cost Plus Fixed Fee
Date of Award - December 30, 1941
Date Notice to Proceed - December 27, 1941. Authority to proceed-Letter of Intent. Formal Notice - January 24, 1942.
Actual Starting Date - January 1, 1942
Schedule Completion Date - January 2, 1943
Actual Completion Date - Construction Completed March 15, 1943
Amount of Original Contract - $13,850,000.00 Plus Fee $297,400.00 Plus Reimbursable Cost $554,000.00
Supplement No. 1 to Directive No. 15 reduces amount ($686,250.) to Construction 13,220,000. Plus Fee $286,210. Plus Reimbursable Cost $531,320.
Directive No. M-249 increases amount ($2,311,174.) to Construction $15,393,700. Plus Fee $323,870. Plus Reimbursable Cost $606,786.
Supplement No. 2 to Directive No. 15 increases amount ($3,000,000.) to Construction $18,392,700. Plus Fee $323,870. Plus Reimbursable Cost $606,786.
Directive No. M-466 Stables. No increase in Amount
Fee Agreement reduces amount of Fee $653.00 Construction $18,393,353. Plus Fee $323,217. Plus Reimbursable Cost $606,786.
Supplement No. 1 to Directive No. M-249 increases amount $3,525,487 to Construction $21,918,840. Plus Fee $323,217. Plus Reimbursable Cost $606,786.
Letter. Time Schedule, 5th and 6th TNT Lines to start up December 15, 1942 increased Acid Area facilities complete by March 28, 1943
Stop Order. Work to stop January 15, 1943
Stop Order Cancellation. Work to Stop February 28, 1943.
Supplement No. 2 to Directive No. M-249 increases amount ($3,585,360.) to Construction $25,680,054. Plus Fee $323,217

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Contract No. DA-[illegible]-138 Eng-1 (Cont'd.)

Revised Allotted Amount - $26,003,271.00 for construction and Fixed Fee
Revised Allotted Amount - $18,708,856.22 for J. G. White Engineering Corporation Force Account work, Subcontracts, Supply Contracts and Purchase Orders.

Remarks:

1. Organization - Fair to start, excellent later
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-[illegible]-138 Eng.-7 Directive Consecutive No. 15

Description of Work: Foundation for Main Office Building

Contractor: Name: Balling Brothers
Address: 401 Bennett St., North Tonawanda, N.Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - March 2, 1942

Date Notice to Proceed - March 3, 1942

Actual Starting Date - March 3, 1942

Schedule Completion Date - April 2, 1942 (30 days)

Actual Completion Date - May 5, 1942

Amount of Original Contract - $6,971.00

Change Order No. 1 Completion date extended to May 5, 1942

Revised Contract Amount - No change Final Payment $6,971.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Good

CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-12 Directive Consecutive No. 15, W-249

Description of Work - Ready Mixed Concrete

Contractor: Name: Cooney Brothers, Inc.
Address: Tarrytown, N. Y.

Contract Data

Type of Contract - Unit Price

Date of Award - March 7, 1942

Date Notice to Proceed - March 7, 1942

Actual Starting Date - March 13, 1942

Schedule Completion Date - end of job

Actual Completion Date - November 7, 1942

Amount of Original Contract - Approximately $276,760.00 or 37,000 cu.yds.

Change Order No. 1 - Added cost of P. & P. Bonds - $830.28
Total $277,590.28
Change Order No. 2 - Added grout to be purchased on P. O.
Change Order No. 3 - Decreased amount to $276,573.76
Change Order No. 3 (Corr.) - Increased amount to $276,733.00
Change Order No. 4 - Reduced amount to $276,388.80

Revised Contract Amount - $417,897.94 Estimated

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Fair
3. Initiative and Resourcefulness - Fair
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Fair

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# CONTRACT SUMMARY SHEET

Contract No. DA-4-138 Eng.-13 Directive Consecutive No. 15

Description of Work: Concrete Underground Magazines (Igloo Type)

Contractor: Name: Poirier & McLane Corporation
Address: 33 W. 42nd St., New York, N. Y.

| Subcontractors | | Description of Work |
|---|---|---|
| Name: | Doster & Hagan | Lightning Protection |
| Address: | 249 East Water Street<br>Syracuse, New York | |
| Name: | Railroad Waterproofing Co. | Waterproofing |
| Address: | 350 Hendrickson Ave.,<br>Lynbrook, L.I., N. Y. | |
| Name: | C. A. Kendrick, Inc. | Reinforcing |
| Address: | 747 Ellicott Sq. Bldg.<br>Buffalo, New York | |

## Contract Data

Type of Contract - Lump Sum & Unit Price
Date of Award - March 14, 1942
Date Notice to Proceed - April 1, 1942
Actual Starting Date - April 1, 1942
Schedule Completion Date - August 1, 1942
Actual Completion Date - September 12, 1942
Amount of Original Contract - $581,239.90

| | |
|---|---|
| Change Order No. 1 | Credit $7.48 per cu. yd. against Lump Sum Price |
| Change Order No. 2 | Increased Estimate $60,000.00 |
| Change Order No. 3 | Change Completion date to September 1, 1942 |
| Change Order No. 4 | Decrease amount of contract to $568,280.84 & extend completion date to September 12, 1942 |
| Change Order No. 5 | Decrease amount to $564,244.86 |
| Revised Contract | Final Payment $575,877.86 |

Remarks:

1. Organization - Good
2. Efficiency of Operations - Poor Planning
3. Initiative and Resourcefulness - Fair
4. Manner of Execution of Contract - Difficulty in getting this contractor to complete any work 100%
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-14 Directive Consecutive No. 15

Description of Work: Construction of Railroads

Contractor: Name: A. S. Wikstrom
Address: Bound Brook, N. J.

## Contract Data

Type of Contract - Unit Price
Date of Award - March 18, 1942
Date of Notice to Proceed - April 1, 1942
Actual Starting Date - March 27, 1942
Schedule Completion Date - June 10, 1942
Actual Completion Date - September 12, 1942
Amount of Original Contract - Approximately $561,675.25

| | |
|---|---|
| Change Order No. 1 | Payments on Contract semi-monthly. |
| Change Order No. 2 | Increases amount to $609,078.18 |
| Change Order No. 3 | Decreases amount to $609,065.20 |
| Change Order No. 4 | Increases amount to $612,110.20 and extends completion date. |
| Change Order No. 5 | No Change. |
| Change Order No. 6 | Decreases amount to $609,868.16 and extends completion date to September 12, 1942. |
| Revised Contract | Final Payment $495,992.46 |

Remarks:

1. Organization - Poor to start, later improved to very good
2. Efficiency of Operations - Poor to start, later improved to very good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - The Contractor was called into the office and threatened with having his contract taken away unless he improved his method of operation. From that date on his work improved.
5. Reputation as to Prompt Payment - Poor to start, later improved to very good

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# CONTRACT SUMMARY SHEET

Contract No. DA-"-138 Eng.-15 Directive Consecutive No. 15

Description of Work: Main Office Building (Superstructure)

Contractor: Name: Wright & Kremers, Inc.
Address: Pine Ave. and Main St., Niagara Falls, N.Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Woolcott Plumbing & Heating Co.<br>Address: 2217-15th St., Niagara Falls, N.Y. | Plumbing |
| Name: Arthur Ekstrom<br>Address: 2437 Whitney Ave.,Niagara Falls,N.Y. | Painting |
| Name: Asbestos-Asphalt Corp.<br>Address: 2564 Seneca Ave.,Niagara Falls,N. Y. | Roofing, Sheet Metal |
| Name: Thomas Cox Co., Inc.<br>Address: 205 Memorial Pwky.,Niagara Falls,N.Y. | Insulating |
| Name: C. H. Kremers & Son<br>Address: 4003 Glenn St.,Niagara Falls, N. Y. | Heating |
| Name: Beir Brothers<br>Address: 123 Falls St., Niagara Falls, N. Y. | Window Shades |
| Name: Rohrer Electric Co.<br>Address: 1313 Main St., Niagara Falls, N. Y. | Electrical |

## Contract Data

Type of Contract - Lump Sum
Date of Award - March 21, 1942
Date Notice to Proceed - March 24, 1942
Actual Starting Date - March 24, 1942
Schedule Completion Date - May 8, 1942
Actual Completion Date - June 4, 1942
Amount of Original Contract - $112,499.00 (approximately)

| | |
|---|---|
| Change Order No. 1 | No change |
| Change Order No. 2 | Increases amount to $119,039.00 |
| Change Order No. 3 | Decreases amount to $118,008.50 |
| Change Order No. 4 | Decreases amount to $116,848.50 Final Payment |

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUPPLY SHEET

Contract No. DA-W-138 Eng.-16 Directive Consecutive No. 15

Description of Work: Drainage (open ditch) Work

Contractor: Name: Dump Truck Service, Inc.
Address: 50 Becker Street, Buffalo, New York

## Contract Data

Type of Contract - Unit Price

Date of Award - March 21, 1942

Date Notice to Proceed - March 26, 1942

Actual Starting Date - March 27, 1942

Schedule Completion Date - September 24, 1942 (180 days completed.)

Acutal Completion Date - September 15, 1942

Amount of Original Contract - Approximately $213,300.00

Change Order No. 1 - Decreases amount to $213,147.23

Revised Contract - Final Payment $162,775.36

Remarks:

1. Organization - Good
2. Efficiency of Operations - Slow in starting, but after difficulty of equipment was overcome, operations were satisfactory.
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-19 Directive Consecutive No. 15

Description of Work: Guard Fence (Inner Chain Link)

Contractor: Name: The American Steel & Wire Company of New Jersey (Cyclone Fence Division)
Address: Cleveland, Ohio

## Contract Data

Type of Contract - Lump Sum and Unit Price

Date of Award - March 25, 1942

Date Notice to Proceed - March 26, 1942

Actual Starting Date - April 2, 1942

Schedule Completion Date - June 4, 1942

Actual Completion Date - December 10, 1942

Amount of Original Contract - $57,566.20

Change Order No. 1 Extended completion Date 'Indefinate'.

Change Order No. 2 Increases amount to $58,353.20

Change Order No. 3 Increases amount to $59,985.16 and extends completion date to December 10, 1942

Revised Contract Amount - Final Payment $58,834.92

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-"-13[illegible] Eng.-23 Directive Consecutive No. 15

Description of Work: Drinking Water Supply & Distribution System (Part #1)

Contractor: Name: Bison Contracting Corporation
Address: 493 Washington Highway
Snyder, New York

## Contract Data

Type of Contract - Unit Price

Date of Award - March 30, 1942

Date Notice to Proceed - April 1, 1942

Actual Starting Date - April 1, 1942

Schedule Completion Date - May 11, 1942

Actual Completion Date - August 8, 1942

Amount of Original Contract - Approximately $34,420.00

Change Order No. 1 - Extends completion date

Change Order No. 2 - Increases amount to $34,703.37 and extends completion date to August 8, 1942

Revised Contract - Final Payment $35,159.27

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good at first, later slowed down.
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good. It was found that this contractor has sub-let work without being properly authorized to do so.
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-[illegible]-138 Eng.-24 Directive Consecutive No. 15

Description of Work: Roads and Grading

Contractor: Name: William J. Gallagher, Inc.
Address: 510 Orient Street, Medina, New York

## Contract Data

Type of Contract - Unit Price

Date of Award - March 31, 1942

Date Notice to Proceed - April 2, 1942

Actual Starting Date - April [illegible], 1942

Schedule Completion Date - September 28, 1942 (180 days)

Actual Completion Date - November 7, 1942

Amount of Original Contract - Approximately $851,925.00

Change Order No. 1 - No change in cost
Change Order No. 2 - Increased amount to $951,335.00
Change Order No. 3 - Increased amount to $1,047.395.00
Change Order No. 4 - No change in amount.
Change Order No. 5 - Increased amount to $1,058,895.00 and extends completion date to November 7, 1942
Change Order No. 6 - Decreased amount to $1,007,045.81

Revised Contract - Final Payment $981,508.73

Remarks:

1. Organization - Poor
2. Efficiency of Operations - No Planning
3. Initiative and Resourcefulness - Nil
4. Manner of Execution of Contract - Lack of organization, lack of planning and lack of coordination with other contractors have seriously delayed this contractor.
5. Reputation as to Prompt Payment - This office has received two complaints regarding lack of payment.

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# CONTRACT SUMMARY SHEET

Contract No. DA-[illegible]-138 Eng.-26 Directive Consecutive No. 15

Description of Work: General Foundations, Boiler House Foundations and Tank Supports.

Contractor: Name: Poirier & McLane Corporation
Address: 33 W. 42nd Street, New York, N.Y.

## Contract Data

Type of Contract - Lump Sum & Unit Prices

Date of Award - April 1, 1942

Date Notice to Proceed - April 3, 1942

Actual Starting Date - April 3, 1942

Schedule Completion Date - Boiler House Foundations - May 2, 1942 General Foundations - July 2, 1942

Actual Completion Date - July 31, 1942

Amount of Original Contract - $77,371.00

Change Order No. 1 - Increased amount to $228,305.10
Change Order No. 1 Revised - Increased amount to $263,916.10
Change Order No. 2 - Extends completion date to July 31, 1942
Change Order No. 3 - Increases amount to $291,631.95. Final Payment

Remarks:

1. Organization -
2. Efficiency of Operations
3. Initiative and Resourcefulness
4. Manner of Execution of Contract
5. Reputation as to Prompt Payment

) This contractor was called into the office and notified that unless he changed his method of operation and work, the contract would be taken away from him. From that time on, work and operation improved. The execution of this contract was never satisfactory

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CONTRACT SUMMARY SHEET

Contract No. DA-"-138 Eng.-36 Directive Consecutive No. 15

Description of Work: Administration Group (Bldgs. No. 702, 707, 708, 709, 720, 728, 730)

Contractor: Name: Balling Brothers
Address: 401 Bennett St., North Tonawanda, N.Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Foller Brothers<br>Address: 240 Grove St., Tonawanda, N.Y. | Carpentry |
| Name: George Schank<br>Address: 155-16th St., Buffalo, N. Y. | Plumbing |
| Name: R. J. Horan & Son<br>Address: 428 Woodward St., Buffalo, N. Y. | Heating, Ventilating |
| Name: Steele Electric Equipment Co.<br>Address: 913 Oxford St., Niagara Falls, N. Y. | Electrical |
| Name: James J. Draper<br>Address: 440 Oppenheimer St., Buffalo, N.Y. | Roofing, Sheet Metal |
| Name: Norman J. Kobel<br>Address: 51 Roosevelt St., Buffalo, N. Y. | Painting |
| Name: Allen Floor Covering Co.<br>Address: 426 Pearle St., Buffalo, N. Y. | Tile |

## Contract Data

Type of Contract - Lump Sum
Date of Award - April 17, 1942
Date Notice to Proceed - April 18, 1942
Actual Starting Date - April 17, 1942
Schedule Completion Date - June 1, 1942 - Bldgs. 702,707,709, 720,728,730 May 17, 1942 - Bldg. 708
Actual Completion Date - August 3, 1942
Amount of Original Contract - $145,344.00
Change Order No. 1 - No change in amount
Change Order No. 2 - No change in amount
Change Order No. 3 - Increases amount to $149,525.56
Change Order No. 4 - Increases amount to $154,236.47
Change Order No. 5 - Increases amount to $155,508.07
Change Order No. 6 - Increases amount to $155,911.07
Change Order No. 7 - Increases amount to $156,032.07
Change Order No. 8 - Decreases amount to $155,999.07
Change Order No. 9 - Decreases amount to $153,921.57 and extends completion date to October 26, 1942
Revised Contract amount - Final Payment $153,921.57

Remarks:
1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-40 Directive Consecutive No. 15

Description of Work: Erecting 14 Steel Tanks in Acid Area

Contractor: Name: General American Transportation Corporation
Address: Chicago, Illinois

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 22, 1942

Date Notice to Proceed - May 14, 1942

Actual Starting Date - May 16, 1942

Schedule Completion Date - July 25, 1942

Actual Completion Date - July 20, 1942

Amount of Original Contract - $32,937.06

Change Order No. 1 - Decreased amount to $32,739.00

Change Order No. 2 - Decreased amount to $32,527.76 Final Payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No DA-W-138 Eng. 58 Directive Consecutive No. 15

Description of Work: Erection of Steel for Boiler House No. 401 and Bldgs. Nos. 301, 302. 303, 305, 801, 802, 803, 806, 812, 817

Contractor: Name: Schieve Construction Company
Address: Buffalo N. Y.

## Contract Data

Type of Contract - Lump Sum and Unit Price

Date of Award - April 27, 1942

Date of Notice to Proceed - May 11 1942

Actual Starting Date - May 6, 1942

Schedule Completion Date - May 25. 1942 for Boiler House 401
June 19, 1942 for all other bldgs.

Actual Completion Date - July 22, 1942

Amount of Original Contract - $45,105.00

Change Order No. 1 - Extends completion date to May 25, 1942

Change Order No. 2 - Extends completion date to July 15, 1942

Change Order No. 3 - Increases amount to $45 324.86

Change Order No. 4 - Increases amount to $45,379.93

Revised Contract - Final Payment $43 477.62

Remarks:

1 Organization - Excellent
2 Efficiency of Operations - Excellent
3 Initiative and Resourcefulness - Excellent
4 Manner of Execution of Contract - Excellent
5 Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-60 Directive Consecutive No. 15

Description of Work: Construction of Buildings in Shop Area - No 704, 707, 713, 714, 715, 716, 717 718, 722 723, 725 726, 733

Contractor: Name: The W. F. Hendrich Company Inc.
Address: 775 Main Street, Buffalo, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Wipperman & Mitchell<br>Address: 404 North Oak St., Buffalo, N.Y | Electrical |
| Name: Chippewa Contractors, Inc.<br>Address: 374 Delaware Ave., Buffalo, N.Y. | Plumbing, Heating |
| Name: Paul F. Podzuweit<br>Address: Transit Road, Williamsville, N.Y. | Painting |
| Name: Georgen-Mackwirth Co., Inc.<br>Address: 817 Sycamore St , Buffalo, N.Y. | Ventilating |
| Name: Joseph A Sanders & Son<br>Address: 107 Lathrop Street Buffalo, N.Y. | Roofing, Sheet Metal |
| Name: Troup Engineering Co<br>Address: 1807 Elmwood Ave. Buffalo, N.Y. | Folding Doors |
| Name: John C Bevier Co.<br>Address: 70 Pacific St. Buffalo, N.Y. | Mono-Rail System |
| Name: American Steel & Wire Co. of N.J. (Cyclone Fence Division)<br>Address: Liberty Bank Bldg. Buffalo, N.Y. | Chain-Link Fence |

## Contract Data

Type of Contract - Lump Sum
Date of Award - April 27 1942
Date Notice to Proceed - April 27, 1942
Actual Starting Date - April 26, 1942
Schedule Completion Date - Bldgs. 713 - 717 by June 1, 1942
Other buildings by July 20, 1942
Actual Completion Date - August 7, 1942
Amount of Original Contract - $402,108.00
Change Order No 1 - Extends completion date
Change Order No 2 - Increases amount to $402,626.00
Change Order No. 3 - Increases amount to $405 297.00
Change Order No 4 - No increase in amount
Change Order No 5 - Decreases amount to $405,283.32
Change Order No. 6 - Decreases amount to $405,150.72
Change Order No 7 - Decreases amount to $404,782.43 Final Payment

Remarks:
1 Organization - Excellent
2 Efficiency of Operations - Excellent
3 Initiative and Resourcefulness - Excellent
4 Manner of Execution of Contract - Excellent
5 Reputation as to Prompt Payment - Excellent

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CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-62 Directive Consecutive No. 15, W-249

Description of Work: Furnish and Install Chemical Lead in T.N.T. and Acid Areas.

Contractor: Name: O. G. Kelley & Company
Address: Neponset Station, Boston, Mass.

Contract Data

Type of Contract - Unit Price

Date of Award - May 5, 1942

Date Notice to Proceed - June 15, 1942

Actual Starting Date - June 15, 1942

Schedule Completion Date - September 15, 1942

Actual Completion Date - February 27, 1943

Amount of Original Contract - $.095 per lb. Labor ) No lump sum price given in contract.
.085 per lb. Materials)

Change Order No. 1 - Increases scope of work
Change Order No. 2 - Extends completion date
Change Order No. 3 - Extends completion date
Change Order No. 4 - Extends completion date to 10 days after last tank and/or pipe is ready.
Change Order No. 5 - Increases scope of work.

Revised Contract Amount - $149,067.63 Estimated

Remarks:

1. Organization - Field Organization weak.
2. Efficiency of Operations - Excellent.
3. Initiative and Resourcefulness - Good.
4. Manner of Execution of Contract - Field supervision apparently more concerned about union conditions than efficiency of operation.
5. Reputation as to Prompt Payment - Field Organization weak.

# CONTRACT SUMMARY SHEET

Contract No. DA-[illegible]-138 Eng.-64 Directive Consecutive No. 15

Description of Work: Private Branch Automatic Telephone Apparatus

Contractor: Name: American Automatic Electric Sales Company
Address: 1033 West Van Buren St., Chicago, Ill.

| Subcontractors | Description of Work |
|---|---|
| Name: National Construction & Engineering Co.<br>Address: 1033 W. VanBuren St., Chicago, Ill. | Erection |

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 29, 1942

Date Notice to Proceed - April 29, 1942

Actual Starting Date - April 29, 1942

Schedule Completion Date - July 18, 1942

Actual Completion Date - October 7, 1942

Amount of Original Contract - $34,961.00

Change Order No. 1 - No increase.

Change Order No. 2 - Decreases amount to $34,906.81

Change Order No. 3 - Extends completion date to October 10, 1942

Revised Contract Amount $34,906.81 Final Payment

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to prompt payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-67 Directive Consecutive No. 15

Description of Work: Erect Boundary and Wood Fence

Contractor: Name: Anchor Post Fence Company
Address: Baltimore, Maryland

## Contract Data

Type of Contract - Unit Price

Date of Award - May 12, 1942

Date Notice to Proceed - June 24, 1942

Actual Starting Date - June 26, 1942

Schedule Completion Date- August 3, 1942

Actual Completion Date - September 21, 1942

Amount of Original Contract - $20,226.18

Change Order No. 1 - extends completion date

Change Order No. 2 - increases amount to $20,637.69 and extends completion date to September 23, 1942

Revised Contract Amount - Final Payment $18,123.81

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng. 69 Directive Consecutive No. 15

Description of Work: Erect 9 Steel Storage Tanks of Various Kinds.

Contractor: Name: Chicago Bridge & Iron Company
Address: Chicago, Illinois

Contract Data

Type of Contract - Lump Sum

Date of Award - May 12, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - June 1, 1942

Schedule Completion Date - August 1, 1942

Actual Completion Date - August 13, 1942

Amount of Original Contract - $27,580.00

Change Order No. 1 - Extends completion date to August 15, 1942

Change Order No. 2 - Decreases amount to $27,580.46 Final payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng. 70 Directive Consecutive No. 15

Description of Work: Erection of 6 Steel Storage Tanks

Contractor: Name: Pittsburgh Des Moines Steel Company
Address: Neville Island Post Office,
Pittsburgh, Pa.

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 22, 1942

Date Notice to Proceed - June 10, 1942

Actual Starting Date - June 10, 1942

Schedule Completion Date - August 29, 1942

Actual Completion Date - August 13, 1942

Amount of Original Contract - $12,000.00

Revised Contract Amount - Final Payment $12,000.00

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Lack of proper type of superintendents caused delays on this contract.
4. Manner of Execution of Contract - Definite delays due to lack of proper types of superintendents and organization.
5. Reputation as to Prompt Payment - Fair

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng. 71 Directive Consecutive No. 15

Description of Work: Electrical Installation in 27 Buildings

Contractor: Name: Rohrer Electric Company, Inc.
Address: Niagara Falls, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 9, 1942

Date Notice to Proceed - May 12, 1942

Actual Starting Date - May 19, 1942

Schedule Completion Date - July 1, 1942

Actual Completion Date - November 10, 1942

Amount of Original Contract - $19,800.00

Change Order No. 1 - Increases amount to $20,545.00 and extends completion date to August 15, 1942

Change Order No. 2 - Increases amount to $20,945.00 and extends completion date to September 30, 1942

Change Order No. 3 - Increases amount to $21,578.00 and extends completion date to November 10, 1942

Revised Contract Amount - $21,578.00 Final Payment

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Fair
3. Initiative and Resourcefulness - Fair
4. Manner of Execution of Contract - It was apparent that the contract obligations taken by this company on this Project were larger than they had previously taken responsibility for.
5. Reputation as to Prompt Payment - Fair

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng. 72 Directive Consecutive No. 15

Description of Work: Installation of Power Lines

Contractor: Name: Buffalo Niagara Electric Corporation
Address: Buffalo, New York

## Contract Data

Type of Contract - Lump Sum with refund agreement

Date of Award - July 2, 1942

Date Notice to Proceed - July 2, 1942

Actual Starting Date - July 6, 1942

Schedule Completion Date - August 1, 1942

Actual Completion Date - September 11, 1942

Amount of Original Contract - $45,701.04

Revised Contract Amount - Final Payment $45,701.04

Remarks:

| | |
|---|---|
| 1. Organization<br>2. Efficiency of Operations<br>3. Initiative and Resourcefulness<br>4. Manner of Execution of Contract<br>5. Reputation as to Prompt Payment | This is a Public Service Company, and the method of operation is constant. In all cases their work was efficient and co-operative. |

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-74 Directive Consecutive No. 15

Description of Work: Plumbing Installation in 27 Buildings

Contractor: Name: George E. Schank
Address: 116-16th Street, Buffalo, New York

| Subcontractors | Description of Work |
|---|---|
| Name: Frontier Insulation & Roofing Co.<br>Address: 230 Winchester Avenue,<br>Buffalo, New York | Pipe Covering |

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 12, 1942

Date Notice to Proceed - May 12, 1942

Actual Starting Date - May 19, 1942

Amount of Original Contract - $56,418.60

Schedule Completion Date - July 1, 1942

Actual Completion Date - November 7, 1942

Change Order No. 1 - Increases amount to $57,238.60

Change Order No. 2 - Increases amount to $60,708.60

Change Order No. 3 - Increases amount to $63,458.60

Change Order No. 4 - Increases amount to $66,301.81 and changes completion date to November 7, 1942

Revised Contract Amount - Final Payment $66,301.81

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Difficulty in having this contractor complete his work 100%.
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-77 Directive Consecutive No. 15

Description of Work: Erection of 9 Steel Storage Tanks

Contractor: Name: Chattanooga Boiler & Tank Company
Address: Chattanooga, Tennessee

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 19, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - May 30, 1942

Schedule Completion Date - August 30, 1942

Actual Completion Date - August 15, 1942

Amount of Original Contract - $17,050.00

Revised Contract Amount - $17,050.00 Final Payment

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-78 Directive Consecutive No. 15

Description of Work: Sellite Plant

Contractor: Name: Chemical Construction Corporation
Address: New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Poirier-McLane Corp.<br>Address: 33 W. 42nd Street<br>New York, N. Y. | Foundation Concrete |
| Name: O. G. Kelley & Co.<br>Address: Neponset Station<br>Boston, Mass. | Lead Installation |
| Name: Stebbins Eng. & Mfg. Co.<br>Address: Watertown, N. Y. | Brick Work |
| Name: Industrial Electric Co.<br>Address: 740 Rabway Avenue<br>Elizabeth, N. J. | Electrical |

## Contract Data

Type of Contract - Lump Sum
Date of Award - May 18, 1942
Date Notice to Proceed - June 15, 1942
Actual Starting Date - June 15, 1942
Schedule Completion Date - November 1, 1942
Actual Completion Date - October 29, 1942
Amount of Original Contract - $37,930.00
Change Order No. 1 - Extends completion date to October 12, 1942
Change Order No. 2 - Decreases amount to $35,374.31.
Change Order No. 3 - Decreases amount to $34,748.79 Final Payment

Remarks:

1. Organization )
2. Efficiency of Operations )
3. Initiative and Resourcefulness )
4. Manner of Execution of Contract)
5. Reputation as to Prompt Payment)

This is the Construction Department of the Operating Company and it would be rather difficult to give an accurate analysis of their operations.

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-79 Directive Consecutive No. 15

Description of Work: 42" Reinforced Concrete Water Supply Line from River Pumping Station to Water Treatment Plant.

Contractor: Name: Herbert F. Darling
Address: Williamsville, N. Y.

## Contract Data

Type of Contract - Unit Price

Date of Award - May 15, 1942

Date Notice to Proceed - May 16, 1942

Actual Starting Date - June 9, 1942

Schedule Completion Date - August 7, 1942

Actual Completion Date - December 12, 1942

Amount of Original Contract - $542,850.00

Change Order No. 1 - No change in amount.
Change Order No. 2 - Extends completion date.
Change Order No. 3 - Decreases amount to $455,155.00
Change Order No. 4 - Increases amount to $460,555.00
Change Order No. 5 - Increases amount to $465,715.60
Change Order No. 6 - Increases amount to $486,761.10
Change Order No. 7 - Decreases amount to $481,811.98
Change Order No. 8 - Decreases amount to $481,613.89
Change Order No. 9 - Decreases amount to $462,874.78 and changes completion date to December 12, 1942.

Revised Contract Amount - $462,874.78 Final Payment

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - When Material situation was straightened out, the execution of this contract was very satisfactory.
5. Reputation as to Prompt Payment - Very Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-82 Directive Consecutive No. 15

Description of Work: Erection and Completion of 6 Electric Dumbwaiters

Contractor: Name: Otis Elevator Company
Address: Philadelphia, Penna.

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 18, 1942

Date Notice to Proceed - July 1, 1942

Actual Starting Date - June 23, 1942

Schedule Completion Date - July 21, 1942

Actual Completion Date - November 18, 1942

Amount of Original Contract - $4,587.42

Change Order No. 1 - Decreases amount to $4,126.68

Change Order No. 2 - Increases amount to $4,779.24 and extends completion date to 5 days after receipt of critical materials.

Change Order No. 3 - Increases amount to $4,896.45

Change Order No. 3 'Corrected' - Decreases amount to $4,889.92 Final Payment.

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-83 Directive Consecutive No. 15

Description of Work: Complete Construction of Water Distribution System

Contractor: Name: Poirier & McLane Corporation
Address: 33 W. 42nd Street
New York, N. Y.

## Contract Data

Type of Contract - Unit Price

Date of Award - May 19, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - June 1, 1942

Schedule Completion Date - July 20, 1942

Actual Completion Date - October 7, 1942

Amount of Original Contract - $160,887.00

Change Order No. 1 - Extends completion Date

Change Order No. 2 - Extends completion date

Change Order No. 3 - Increases amount to $171,125.56 and extends completion date to October 8, 1942.

Revised Contract Amount - Final Payment $170,293.97

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Nil
4. Manner of Execution of Contract - The apparent lack of planning delayed this work and tied up areas within the Project and prevented other contractors from doing their work.
5. Reputation as to Prompt Payment - Fair

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-84 Directive Consecutive No. 15

Description of Work: Construction of Primary Distribution System and Guard Fence Lighting.

Contractor: Name: O'Connell Electric Company
Address: Rochester, New York

## Contract Data

Type of Contract - Lump Sum & Unit Price

Date of Award - May 21, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - June 16, 1942

Schedule Completion Date - August 4, 1942

Actual Completion Date - December 9, 1942

Amount of Original Contract - $61,450.00

Change Order No. 1 - Extends completion date.

Change Order No. 2 - Extends completion date to 14 days after receipt of critical materials.

Change Order No. 3 - Increases amount to $90,594.21

Revised Contract Amount - $90,594.21 Final Payment

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Fair
3. Initiative and Resourcefulness - Fair
4. Manner of Execution of Contract - Apparent lack of planning is delaying this work.
5. Reputation as to Prompt Payment - Fair

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-86 Directive Consecutive No. 15

Description of Work: Labor and Material for Complete Installation of Wet Pipe Sprinkler Systems.

Contractor: Name: Automatic Sprinkler Corporation of America
Address: Youngstown, Ohio

## Contract Data

Type of Contract - Lump Sum & Unit Price

Date of Award - May 26, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - June 9, 1942

Schedule Completion Date - July 20, 1942

Actual Completion Date - September 19, 1942

Amount of Original Contract - $21,357.00

Change Order No. 1 - Decreases amount to $21,230.43

Change Order No. 2 - Extends completion date to 7 days after 1st building is ready.

Change Order No. 3 - Changes completion date to September 12, 1942 for #803 buildings and increases amount to $24,261.23.

Revised Contract Amount - Final Payment $30,462.48.

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-88 Directive Consecutive No. 15

Description of Work: Marine Work - Process Water Supply and Waste Water Discharge

Contractor: Name: Merritt-Chapmen & Scott Corporation
Address: Cleveland, Ohio

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 27, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - June 9, 1942

Schedule Completion Date - August 10, 1942

Actual Completion Date - August 15, 1942

Amount of Original Contract - $233,145.50

Change Order No. 1 - Increases amount to $237,791.10 and extends completion date to August 20, 1942

Revised Contract Amount - Final Payment $237,791.10

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - The planning and execution of contract was very satisfactory.
5. Reputation as to Prompt Payment - Excellent.

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-89 Directive Consecutive No. 15

Description of Work: Heating System for 24 Buildings

Contractor: Name: C. H. Kremers & Son
Address: Niagara Falls, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 28, 1942

Date Notice to Proceed - May 28, 1942

Actual Starting Date - June 1, 1942

Schedule Completion Date - July 31, 1942

Actual Completion Date - October 20, 1942

Amount of Original Contract - $31,658.00

Change Order No. 1 - Decreases amount to $30,516.24

Change Order No. 2 - Increases amount to $30,917.04

Change Order No. 3 - Extends completion date to 7 days after last building is ready for heat insulation.

Change Order No. 4 - Decreases amount to $30,836.39

Revised Contract Amount - Final Payment $30,836.39

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - some delay in work on this contract due to lack of an expediting department with his organization.
5. Reputation as to Prompt Payment - Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng.-92 Directive Consecutive No. 15

Description of Work: Roofing and Siding for Boiler House #401

Contractor: Name: American Steel Band Company
Address: P. O. Box 565, Pittsburgh, Penn.

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 28, 1942

Date Notice to Proceed - June 10, 1942

Actual Starting Date - July 18, 1942

Schedule Completion Date - August 20, 1942

Amount of Original Contract - $21,108.50

Actual Completion Date - October 10, 1942

Change Order No. 1 - Increases amount to $21,812.50

Change Order No. 2 - Decreases amount to $20,588.50

Change Order No. 3 - Extends completion date to 14 days after ready for flashing.

Change Order No. 4 - Decreases amount to $20,180.82. Final Payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent cooperation and planning from this contractor.
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-93 Directive Consecutive No. 15

Description of Work: Construction of three Coal Silos of Monolithic Concrete

Contractor: Name: W. B. Neill Inc.
Address: 30 Vesey Street, New York, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 28, 1942

Date Notice to Proceed - June 8, 1942

Actual Starting Date - June 17, 1942

Schedule Completion Date - August 24, 1942

Actual Completion Date - October 14, 1942

Amount of Original Contract $46,280.00

Change Order No. 1 - decreases amount to $38,315.00

Change Order No. 2 - extends completion date of 1 silo to Aug. 12, 1942

Change Order No. 3 - decreases amount to $35,520.62

Change Order No. 4 - extends completion date to 14 days after coal conveyor floor is complete

Change Order No. 5 - decreases amount to $34,449.45

Revised Contract Amount - Final Payment $34,449.45

Remarks:

1. Organization - Poor
2. Efficiency of Operations - Poor
3. Initiative and Resourcefulness - Nil
4. Manner of Execution of Contract - lack of planning and cooperation have delayed this contract.
5. Reputation as to Prompt Payment - Poor

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-94 Directive Consecutive No. 15

Description of Work: Sewage Disposal Plant

Contractor: Name: The W. F. Hendrich Company, Inc.
Address: 775 Main Street, Buffalo, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Chippewa Contractors, Inc.<br>Address: 374 Delaware Ave.,Buffalo, N.Y. | Plumbing, Heating, Ventilating |
| Name: Wipperman-Mitchell, Inc.<br>Address: 404 North Oak St., Buffalo, N. Y. | Electrical |
| Name: Joseph A. Sanders & Sons, Inc.<br>Address: 107 Lathrop St., Buffalo, N. Y. | Sheet Metal |
| Name: August Feine & Son<br>Address: 140 Terrace, Buffalo, N. Y. | Miscellaneous Steel |
| Name: Doyle Painting Co.<br>Address: 72 Norward Ave., Buffalo, N. Y. | Painting |

## Contract Data

Type of Contract - Lump Sum
Date of Award - May 28, 1942
Date Notice to Proceed - June 1, 1942
Actual Starting Date - June 1, 1942
Schedule Completion Date - July 30, 1942
Actual Completion Date - August 20, 1942
Amount of Original Contract - $146,430.00
Change Order No. 1 - extends completion date to August 24, 1942
Change Order No. 2 - increases amount to $146,813.75
Change Order No. 3 - decreases amount to $143,529.71
Change Order No. 4 - decreases amount to $142,695.75
Revised Contract - Final Payment $142,695.75

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Contract Executed in a very satisfactory manner.
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-95 Directive Consecutive No. 15

Description of Work: Construction and Completion of Intake Works, Pumping Station Substructure and Outfall of Waste Water Disposal.

Contractor: Name: McLain Construction Corporation
Address: 1209 Hertel Ave., Buffalo, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 1, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - June 2, 1942

Schedule Completion Date - August 7, 1942

Actual Completion Date - October 8, 1942

Amount of Original Contract - $349,460.00

Change Order No. 1 - No change in amount

Change Order No. 2 - No change in amount

Change Order No. 3 - Extends completion date to September 23, 1942

Change Order No. 4 - Decreases amount to $330,132.37

Change Order No. 5 - Increases amount to $348,944.59. Final Payment.

Remarks:

1. Organization - Poor
2. Efficiency of Operations - Poor
3. Initiative and Resourcefulness - Nil
4. Manner of Execution of Contract - Lack of planning and cooperation have delayed this contract.
5. Reputation as to Prompt Payment - Poor.

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# CONTRACT SUMMARY SHEET

Contract No. DA-[illegible]-138 Eng.-96 Directive Consecutive No. 15, M-249

Description of Work: Installation of Heat Insulation and Pipe Covering

Contractor: Name: Paul J. Krez Company
Address: 444 North LaSalle St., Chicago, Ill.

## Contract Data

Type of Contract - Unit Price

Date of Award - June 18, 1942

Date Notice to Proceed - June 22, 1942

Actual Starting Date - July 6, 1942

Schedule Completion Date - Within 5 days after last items to be covered is ready.

Actual Completion Date - January 29, 1943

Amount of Original Contract - $122,538.00

Change Order No. 1 - increases amount to $122,861.80

Change Order No. 2 - increases amount to $122,961.86

Change Order No. 3 - change in unit prices

Change Order No. 4 - change in unit prices

Change Order No. 5 - increases amount to $123,112.00

Revised Contract Amount - Final Payment $185,361.19

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Fair
3. Initiative and Resourcefulness - Poor
4. Manner of Execution of Contract - This contractor has not had a thoroughly competent superintendent on the job to plan and execute his contract.
5. Reputation as to Prompt Payment - Fair

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-99 Directive Consecutive No. 15

Description of Work: Sewage Collection System

Contractor: Name: Herbert F. Darling
Address: Williamsville, N. Y.

## Contract Data

Type of Contract - Unit Price

Date of Award - June 5, 1942.

Date Notice to Proceed - June 5, 1942

Actual Starting Date - June 8, 1942

Schedule Completion Date - August 25, 1942

Actual Completion Date - October 1, 1942

Amount of Original Contract - $416,934.81

Change Order No. 1 - no increase in amount

Change Order No. 2 - increases amount to $419,514.81

Change Order No. 3 - extends completion date to 10 days after receipt of critical materials

Change Order No. 4 - increased amount to $498,264.81

Change Order No. 5 - increased amount to $502,090.97

Revised Contract Amount - Final Payment $505,608.54

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - This contractor had sub-rosa agreements with individuals to help execute contract. One of these individuals proved to be quite incompetent and the phase of the work into which he entered suffered thereby. Nevertheless, a complete analysis of the contract shows that the Prime Contractor, Herbert F. Darling, can be recommended for this type of work.
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-100 Directive Consecutive No. 15

Description of Work: 275,000 Gallon Elevated Water Tank

Contractor: Name: The Preload Company
Address: Long Island City, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 5, 1942

Date Notice to Proceed - June 20, 1942

Actual Starting Date - June 23, 1942

Schedule Completion Date - August 20, 1942

Actual Completion Date - December 5, 1942

Amount of Original Contract - $33,835.00

Change Order No. 1 - decreased amount to $33,634.00

Change Order No. 2 - increased amount to $33,887.00

Change Order No. 3 - extends completion date to Sept. 30, 1942

Change Order No. 4 - decreases amount to $31,249.71

Revised contract amount - $31,249.71 Final Payment

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Lack of competent superintendence on this contract delayed its completion and cost of poor work, which had to be repaired, was charged to the contractor.
5. Reputation as to Prompt Payment - Fair

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng.-107 Directive Consecutive No. 15

Description of Work: 100,000 Gallon Water Tank on Steel Tower

Contractor: Name: Pittsburgh-DesMoines Steel Co.
Address: Neville Island Post Office, Pittsburgh, Pa.

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 10, 1942

Date Notice to Proceed - July 20, 1942

Actual Starting Date - July 20, 1942

Schedule Completion Date - August 15, 1942

Actual Completion Date - August 29, 1942

Amount of Original Contract - $12,349.20

Change Order No. 1 - increased amount to $13,019.20

Change Order No. 2 - decreased amount to $12,128.03

Revised Contract Amount - Final Payment $12,128.03

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - This contract was handled in a very satisfactory manner.
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-108 Directive Consecutive No. 15

Description of Work: Furnishing, delivering and Erecting on Foundation to be constructed by the Contracting Office, one 140 ft. Steel Tower with 75,000 Gallon Wood Tank.

Contractor: Name: Wenneis Tank Co.
Address: 39 Cortland St., New York, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 11, 1942

Date Notice to Proceed - July 6, 1942

Actual Starting Date - July 8, 1942

Schedule Completion Date - August 12, 1942

Actual Completion Date - August 7, 1942

Amount of Original Contract - $12,080

Change Order No. 1 - decreased amount to $11,730.00

Revised Contract Amount - Final Payment $11,730.00

Remarks:

1. Organization - Poor
2. Efficiency of Operations - Poor
3. Initiative and Resourcefulness - Poor
4. Manner of Execution of Contract - Apparent lack of organization delayed the starting and completion of this contract.
5. Reputation as to Prompt Payment - We have been requested on two occasions to help subcontractors collect from this contractor.

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-109 Directive Consecutive No. 15

Description of Work: Erection of 3 Boilers at Boiler House #401

Contractor: Name: Champion Construction & Engineering Co., Inc.
Address: Long Island City, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Schieve Construction Co.<br>Address: 38 Parkridge Ave., Buffalo, N. Y. | Steel Erection |

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 11, 1942

Date Notice to Proceed - June 11, 1942

Actual Starting Date - June 12, 1942

Schedule Completion Date - August 28, 1942

Actual Completion Date - September 28, 1942

Amount of Original Contract - $95,212.70

Change Order No. 1 - increased amount to $95,505.90

Change Order No. 2 - decreased amount to $93,439.53

Change Order No. 3 - increased amount to $93,442.47 Final Payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operation - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - This company did everything they could do to do a good and quick job on this contract. Work in all phases very satisfactory.
5. Reputation as to Prompt Payment - Excellent.

# CONTRACT SUMMARY SHEET

Contract No DA W-138 Eng 111 Directive Consecutive No 15

Description of Work: Construction of 2 Ground Storage Reservoirs

Contractor: Name: Wright & Kremers, Inc
Address: Niagara Falls N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Arthur Ekstrom<br>Address: 2437 Whitney Ave , Niagara Falls, N.Y | Painting |
| Name: Mackwirth Brothers Co<br>Address: 201 Oak Street, Buffalo, N. Y. | Roofing |
| Name: Dump Truck Service<br>Address: 50 Wrecker Street, Buffalo, N. Y | Excavation |
| Name: Ross Steel Erection Corp<br>Address: 423 19th St Niagara Falls, N. Y. | Steel Erection |

## Contract Data

Type of Contract - Lump Sum
Date of Award - June 13 1942
Date Notice to Proceed - June 15, 1942
Actual Starting Date - June 17 1942
Schedule Completion Date - September 22, 1942
Amount of Original Contract - $185,749.00
Change Order No 1 - no increase in amount
Change Order No 2 - decreases amount to $184 989.98
Change Order No 3 extends completion date to - Substructure - September 22, 1942 Superstructure - October 17, 1942
Change Order No. 4 - increased amount to $197 463.29
Revised Contract Amount - Final Payment $197,463.29

Remarks:

1. Organization Excellent
2. Efficiency of Operations - Excellent
3 Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5 Reputation as to Prompt Payment - Excellent

RODUCED AT THE NATIONAL ARCHIVES



# CONTRACT SUMMARY SHEET

Contract No DA-W-138 Eng -119 Directive Consecutive No. 15, M-249

Description of Work: Application of Roofing TNT and Acid Areas and Misc.

Contractor: Name: Joseph A. Sanders & Sons, Inc
Address: Buffalo N. Y.

## Contract Data

Type of Contract - Unit Price

Date of Award - June 22, 1942

Date Notice to Proceed - June 24, 1942

Actual Starting Date - June 24, 1942

Schedule Completion Date - August 2,1942

Actual Completion Date - September 1, 1942

Amount of Original Contract - $6,611.02

Change Order No 1 - increased amount to $8.202.02

Change Order No. 2 - extends completion date to 7 days after last building is ready

Change Order No. 3 - increases amount to $11,178.22

Change Order No 4 - decreases amount to $11,151.52

Revised Contract Amount - Final Payment $9,625.21

Remarks:

1 Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - This contractor was apparently making every effort, but for some reason fell short of being a first-class contractor.
5. Reputation as to Prompt Payment - Good

RODUCED AT THE NATIONAL ARCHIVES



# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-120 Directive Consecutive No. 15

Description of Work: Glass and Glazing

Contractor: Name: Pittsburgh Plate Glass Co.
Address: Pittsburgh, Pa.

## Contract Data

Type of Contract - Lump Sum & Unit Price

Date of Award - June 22, 1942

Date Notice to Proceed - June 24, 1942

Actual Starting Date - July 2, 1942

Schedule Completion Date - Within 5 days after last sash is available.

Actual Completion Date - September 12, 1942

Amount of Original Contract - $ 3,108.00

Change Order No. 1 - no change in amount

Change Order No. 2 - increases amount to $ 3,991.68

Revised Contract Amount - Final Payment $ 3,991.68

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-125 Directive Consecutive No. 15, M-249

Description of Work: Engineering Supervision and Laying Acid Proof Brick

Contractor: Name: Stebbins Engineering and Manufacturing Co.
Address: Watertown, N. Y.

## Contract Data

Type of Contract - Unit Price

Date of Award - June 27, 1942

Date Notice to Proceed - June 30, 1942

Actual Starting Date - July 1, 1942

Schedule Completion Date - October 1, 1942

Actual Completion Date - February 19, 1943

Amount of Original Contract - $48,200.00

Change Order No. 1 - increases amount to $48,811.30

Supplemental Agreement A - increases amount to $59,143.30

Supplemental Agreement B - increases amount to $88,940.26

Revised Contract Amount - Final Payment $107,581.56

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-127 Directive Consecutive No. 15

Description of Work: Ash and Fly Ash Handling Equipment.

Contractor: Name: United Conveyor Corp.
Address: Chicago, Illinois

## Contract Data

Type of Contract - Lump Sum

Date of Award - July 1, 1942

Date Notice to Proceed - July 6, 1942

Actual Starting Date - July 15, 1942

Schedule Completion Date - August 10, 1942

Actual Completion Date - October 28, 1942

Amount of Original Contract - $18,745.00

Change Order No. 1 - decreases amount to $18,480.00

Change Order No. 2 - decreases amount to $18,425.78

Revised Contract Amount $14,425.78 Final Payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resoucefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-128 Directive Consecutive No. 15

Description of Work: Heating & Plumbing in Manufacturing Bldgs.

Contractor: Name: H. C. Mapes Corp.
Address: Lockport, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - July 6, 1942

Date Notice to Proceed - July 7, 1942

Actual Starting Date - July 8, 1942

Schedule Completion Date - August 20, 1942

Actual Completion Date - November 16, 1942

Amount of Original Contract - $113,120.00

Change Order No. 1 - Increases amount to $114,632.00
Change Order No. 2 - Decreases amount to $109,526.90
Change Order No 3 - Decreases amount to $109,270.90
Change Order No. 4 - Increases amount to $111,095.74 and extends completion date to 5 days after receipt of critical materials
Change Order No. 5 - Increases amount to $111,947.78
Supplemental Agreement - Increases amount to $114,362.78
Change Order No. 6 - Increases amount to $114,814.43
Revised Contract Amount - Final Payment $118,423.42

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - This contractor gets his work started well and is apparently well organized, but seems to have extreme difficulty in finishing up his contract.
5. Reputation as to Prompt Payment - Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-129 Directive Consecutive No. 15

Description of Work: Furnishing & Setting Kitchen & Cafeteria Equipment

Contractor: Name: E. H. Heilbron Co.
Address: 424 W. Short St., Lexington, Kentucky

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 20, 1942

Date Notice to Proceed - May 20, 1942

Actual Starting Date - May 20, 1942

Schedule Completion Date - June 30, 1942

Actual Completion Date - November 4, 1942

Amount of Original Contract - $13,959.54

Change Order No. 1 - Increased amount to $15,757.29 and extended completion date to 5 days after equipment is received.

Change Order No. 2 - Decreased amount to $15,328.29

Revised Contract Amount - Final Payment $15,328.29

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-130 Directive Consecutive No. 15

Description of Work: Furnishing & Installing X-Ray Equipment

Contractor: Name: Westinghouse Electric & Manufacturing Co.
Address: Pittsburgh, Pennsylvania

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 6, 1942

Date Notice to Proceed - June 10, 1942

Actual Starting Date - June 10, 1942

Schedule Completion Date - July 24, 1942

Actual Completion Date - October 14, 1942

Amount of Original Contract - $5,180.00

Change Order No. 1 - Extends completion date to October 14, 1942

Revised Contract Amount - Final Payment $5,180.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Due to the pressure of business, deliveries from this company are based on Government Priorities, therefore no accurate check of their performance can be set down.
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-131 Directive Consecutive No. 15

Description of Work: Erection of 2 Electric Mist Precipitators

Contractor: Name: Graver Tank & Manufacturing Co., Inc.
Address: East Chicago, Illinois

## Contract Data

Type of Contract - Lump Sum

Date of Award - July 11, 1942

Date Notice to Proceed - July 15, 1942

Actual Starting Date - July 28, 1942

Schedule Completion Date - August 13, 1942

Actual Completion Date - August 27, 1942

Amount of Original Contract - $5,810.00

Change Order No. 1 - Deduct $56.05

Revised Contract Amount - $5,753.95 Final Payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Due to the pressure of business, deliveries from this company are based on Government Priorities, therefore no accurate check of their performance can be set down.
5. Reputation as to Prompt Payment - Excellent

RODUCED AT THE NATIONAL ARCHIVES



# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-141 Directive Consecutive No. 15

Description of Work: Construction of 2 Dormitory Buildings

Contractor: Name: Wright and Kremers, Inc.
Address: Niagara Falls, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Arthur Ekstrom<br>Address: 2437 Whitney Ave., Niagara Falls, N.Y. | Painting |
| Name: Woolcott Plumbing & Heating Co.<br>Address: 2217-15th St., Niagara Falls, N. Y. | Plumbing |
| Name: C. H. Kremers & Son<br>Address: 4003 Glenn Ave., Niagara Falls, N. Y. | Heating |
| Name: Rohrer Electric<br>Address: 1313 Main St., Niagara Falls, N. Y. | Electrical |
| Name: Thomas Cox, Inc.<br>Address: 205 Memorial Pkwy., Niagara Falls, N.Y. | Insulating |
| Name: Beir Brothers, Inc.<br>Address: 123 Falls St., Niagara Falls, N. Y. | Window Shades |

## Contract Data

Type of Contract - Lump Sum
Date of Award - July 25, 1942
Date Notice to Proceed - July 27, 1942
Actual Starting Date - July 30, 1942
Schedule Completion Date - September 21, 1942
Actual Completion Date - November 15, 1942
Amount of Original Contract - $88,160.00
Contract Cancelled
Supplemental Agreement reinstated contract and extended completion date to October 1, 1942
Change Order No. 1 - Decreased amount to $87,284.00
Change Order No. 2 - Increased amount to $87,448.00
Change Order No. 3 - Decreased amount to $85,155.67 and extends completion date
Change Order No. 4 - Increased amount to $85,738.67 and extended completion date to November 14, 1942
Revised Contract Amount - Final Payment $85,738.67

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-143 Directive Consecutive No. 15, M-249

Description of Work: Erection of 13 - Tanks 24' x 20' - Riveted Steel Storage Tanks

Contractor: Name: General American Transportation Corp.
Address: Sharon, Pennsylvania

## Contract Data

Type of Contract - Lump Sum

Date of Award - October 15, 1942

Date Notice to Proceed - November 30, 1942

Actual Starting Date - December 14, 1942

Schedule Completion Date - February 15, 1943

Actual Completion Date - March 31, 1943

Amount of Original Contract - $30,394.00

Revised Contract Amount - Estimated $29,727.66

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-149 Directive Consecutive No. 15

Description of Work: Erection (1) 250,000 Gallon Toluene Storage Tank

Contractor: Name: Chicago Bridge and Iron Co.
Address: Philadelphia, Pennsylvania

## Contract Data

Type of Contract - Lump Sum

Date of Award - October 15, 1942

Date Notice to Proceed - November 27, 1942

Actual Starting Date - November 27, 1942

Schedule Completion Date - December 12, 1942

Actual Completion Date - December 23, 1942

Amount of Original Contract - $3,144.00

Revised Contract Amount - $3,140.00 Final Payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-150 Directive Consecutive No. 15, M-249

Description of Work: Erection of (1) Electric Mist Precipitator

Contractor: Name: Graver Tank and Manufacturing Company, Inc.
Address: 424 Madison Ave., New York, N. Y.

## Contract Data

Type of Contract - Lump Sum

Date of Award - October 30, 1942

Date Notice to Proceed - November 16, 1942

Actual Starting Date - November 28, 1942

Schedule Completion Date - December 23, 1942

Actual Completion Date - December 23, 1942

Amount of Original Contract - $3,224.00

Revised Contract Amount - Final Payment $3,224.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Due to the pressure of business, deliveries from this company are based on Government Priorities, therefore no accurate check of their performance can be set down.
5. Reputation as to Prompt Payment - Excellent

RODUCED AT THE NATIONAL ARCHIVES



# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng.-153 Directive Consecutive No. 15

Description of Work: Additional Acid Sewer

Contractor: Name: Herbert F. Darling
Address: Williamsville, New York

## Contract Data

Type of Contract - Lump Sum

Date of Award - January 8, 1942

Date Notice to Proceed - January 12, 1942

Actual Starting Date - January 21, 1942

Schedule Completion Date - March 12, 1942

Actual Completion Date - not complete March 31, 1943

Amount of Original Contract - $58,828.23

Revised Contract Amount - Estimated $65,000.00

Remarks:

1. Organization - Very Good to Excellent
2. Efficiency of Operations - Very Good to Excellent
3. Initiative and Resourcefulness - Very Good to Excellent
4. Manner of Execution of Contract - Very Good to Excellent
5. Reputation as to Prompt Payment - Very Good to Excellent

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THE J. G. WHITE ENGINEERING CORPORATION

LAKE ONTARIO ORDNANCE WORKS

Lewiston, N. Y.

PROGRESS SHEET

SUBCONTRACTS

March 20, 1943

| Sub Contr. No. | Date of Award 1942 | Awarded To | Description of Work | Amount | Start Actual | Complete Actual | % Comp. this date | Amount Paid March 20, 1943 |
|---|---|---|---|---|---|---|---|---|
| 1 | 1/2 | Wright & Kremers, Inc. Niagara Falls, N. Y. | Alteration of Tyrrell & Wiseman Plant (Temporary Offices) | $ 11,180.00 | 1-7 | 2-5 | 100 | $ 11,180.00 F |
| 2 | 1/6 | Woolcock Plumbing & Heating Co. Niagara Falls, N. Y. | Plumbing & Heating in temporary offices of Tyrrell & Wiseman Plant | 6,941.33 | 1-7 | 2-21 | 100 | 6,941.33 F |
| 3 | 1/5 | Steele Equipment Co. Niagara Falls, N. Y. | Electrical work in temporary offices of Tyrrell & Wiseman Plant | 3,734.63 | 1-6 | 2-6 | 100 | 3,734.63 F |
| 4 | 2/1 | Gaylord S. Chamberlain Co., Inc. Niagara Falls, N. Y. | Cafeteria Building, remodeling church personnel office in Niagara Falls | 7,527.00 | 2-2 | Cafet. 2-27 Church 2-8 Per.Off. 2-11 | 100 | 7,527.00 F |
| 5 | 2/5 | Hauck Chisholm Corp. Niagara Falls, N. Y. | Alterations to temporary enlargement office in Niagara Falls, N. Y. | 1,304.82 | 2-6 | 2-11 | 100 | 1,304.82 F |
| 6 | 1/10 | Industrial Welding Co., Inc. Niagara Falls, N. Y. | Retubing south boiler at Tyrrell and Wiseman Plant | 1,290.00 | 1-18 | 1-26 | 100 | 1,290.00 F |
| 7 | Cancelled | | | | | | | |
| 8 | 1/24 | Wright & Kremers, Inc. Niagara Falls, N. Y. | Construction of 20 stall garage on Tyrrell & Wiseman Property | 8,026.00 | 1-26 | 2-10 | 100 | 8,026.00 F |
| 9 | 1/25 | City of Niagara Falls | Service Water | 917.05 | 1-19 | 4-10-43 | 100 | 917.05 F |
| 10 | 1/30 | Wright & Kremers, Inc. Niagara Falls, N. Y. | Construction of temporary guard house | 1,262.00 | 1-31 | 2-10 | 100 | 1,262.00 F |
| 11 | 2/11 | Woolcock Plumbing & Heating Co. Niagara Falls, N. Y. | Plumbing and Heating in temporary Cafeteria | 2,382.25 | 2-11 | 2-22 | 100 | 2,382.25 F |
| 12 | 2/18 | William Strassburg Sanborn, N. Y. | Test borings for water intake works and pumping station site | 3,414.00 $3.00 per ft. | 2-18 | 4-20 | 100 | 3,414.00 F |
| 13 | 2/2 | Niagara Hardware & Plumbing Supply Corp. Niagara Falls, N.Y. | Hot water heating, water softener & electrical work at C.O.'s residence E-117 | 2,115.00 | 2-9 | 2-18 | 100 | 2,115.00 F |
| 14 | Cancelled | | | | | | | |
| 15 | 2/2 | Gaylord S. Chamberlain Co. Niagara Falls, N. Y. | One Temporary Payroll House | 1,415.00 | 2-2 | 2-27 | 100 | 1,415.00 F |
| 16 | 3/24 | H. C. Mapes Corp. Lockport, N. Y. | Plumbing & Drainage for 4 A.E.W. Bldgs. | 10,000.00 | 3-25 | 5-5 | 100 | 10,000.00 F |
| 17 | 1/11 | Rohrer Electric Co., Inc. Niagara Falls, N. Y. | Electrical work on Col. Parker's Office | 247.86 | 1-11 | 4-30 | 100 | 247.86 F |
| 18 | Cancelled | | | | | | | |
| 19 | 4/3 | Creager and Noehammer Buffalo, N. Y. | Consulting Engineering Services Designs and Estimates | 12,500.00 | 4-5 | 1-14-43 | 100 | 12,500.00 F |
| 20 | 3/28 | Baker Smith & Company 576 Greenwich Street New York, New York | Installation of Steam & Process Piping (Estimated Cost $2,763,126.00) | Estimated F.F. 69,065.00 | 3-28 | 3-15-43 | 100 | 61,999.00 |
| 21 | 4/4 | W. H. & L. D. Betz Philadelphia, Pa. | Consulting Engineering Services Water Treatment Problems | C.O. #182 9,350.00 | 4-4 | 9-4-43 | 100 | 9,350.00 F |
| 22 | 4/4 | R. J. Horan & Sons 436 Rhodeward Ave. Buffalo, N. Y. | Forced Warm Air heating 4 AEW Bldgs. | 15,902.00 C.O. #1 | 4-24 | 7-20 | 100 | 15,902.00 F |
| 23 | 4/27 | George Bauman & Sons Lockport, N. Y. | Moving E-53 to foundations at site of former Bldg. E-111 | 1,200.00 | 5-4 | 5-27 | 100 | 1,200.00 F |
| 24 | 2/14 | W. Cosas Dunkirk, N. Y. | Cafeteria Service L.H.O. | none | 2-14 | Cancelled Aug. 22, 1942 | | |
| 25 | 5/1 | Lord Electric Company New York, N. Y. | Electrical work & Equipment in Manufacturing Area (Estimated Cost $1,237,000.00) | Estimated F.F. 31,277.50 | 5-4 | 3-15-43 | 100 | 26,932.50 |
| 26 | 5/2 | H.C. Mapes Corporation Lockport, N. Y. | Plumbing and heating Buildings 705, 719 | 26,000.00 | 5-28 | 6-30 | 100 | 26,000.00 F |
| 27 | 5/2 | Rohrer Electric Co., Inc. Niagara Falls, N. Y. | Electric work in Buildings 701, 705, 719 | 5,655.00 | 5-8 | 11-7 | 100 | 5,655.00 F |
| | 4/17 | Chemical Construction Corp. New York, N. Y. | Designing sulphuric acid building and catwalk | 3,000.00 | 4-18 | 4-18 | 100 | 3,000.00 F |
| 9 | 5/19 | Claxton Asbestos Co. Buffalo, N. Y. | Pipe Covering and flat work | 1,853.36 | 5-13 | 7-28 | 100 | 1,853.36 F |
| 30 | 6/11 | Ingersoll Rand Company Philadelphia, Penn. | Supervising Engineer Erection Services for installing air compressors | Estimated 548.49 | 6-18 | 1-15-43 | 100 | |
| 31 | 6/11 | Toledo Scale Co. Toledo, Ohio | Supervising Engineer Erection Services for installing, testing of scales | C.O. #1 2,112.00 | 7-6 | 12-12 | 100 | 2,112.00 F |
| 32 | 6/11 | Ryan Scale Co. Philadelphia, Penn. | Supervising Engineer Erection Services for Installations, testing of 55 Ton Scales | Estimated 363.20 | 6-24 | 10-28-42 | 100 | 326.88 |
| 33 | 4/4 | Arrow Tank Company Buffalo, N. Y. | 10,000 Gallon Wood Water Tank | 615.78 | 4-8 | 4-10 | 100 | 615.78 F |

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Sheet 2 THE J. G. WHITE ENGINEERING CORPORATION
LAKE ONTARIO ORDNANCE WORKS
Lewiston, N. Y.

PROGRESS SHEET
SUBCONTRACTS

Dated March 20, 1943

| Sub Contr. No. | Date of Award | Awarded To | Description of Work | Amount | Start Actual | Complete Actual | % Compl. This Date | Amount Paid March 15, 1943 |
|---|---|---|---|---|---|---|---|---|
| 34 | 3/1 | Dr. Henry R. Alderman<br>Lewiston, N. Y. | Medical Service at the L.O.O. | 754.00 | 4-1 | 6-30 | 100 | 754.00 F |
| 35 & A | 6/26 | Brinks, Inc.<br>Buffalo, N. Y. | Making up Payroll | Estimated 14,069.54<br>6¢ per envelope<br>& 10¢ per envelope | 4-1 | 3/12/43 | 100 | 11,821.54 |
| 36 | 7/6 | Bailey Meter Company<br>Cleveland, Ohio | Supr. Engr. Erect. Service assembling & starting up of service meters and Combustion Control | 650.00 | 9-27 | 2-23-43 | 100 | 650.00 F |
| 37 | 7/13 | The Jeffery Mfg. Co.<br>Columbus, Ohio | Supr. Engr. Erect. Service assembling & starting up of Coal handling equip. | Corrected Contr. 440.00<br>plus trans. | 8-17 | 8-20 | 100 | 440.00 F |
| 38 | 7/13 | Layne - New York Co., Inc.<br>Linden, New Jersey | Supervising Engineer Erect. Service of 4 Heavy Duty Pumps | $87.50 per day pay<br>6.00 per day expenses<br>665.70 | 9-3 | 9-28 | 100 | 665.70 F |
| 39 | 7/13 | Rupp Equipment Company<br>Buffalo, New York | Labor, Material, Transportation for blasting | 1,091.15 | 3-13 | 7-15 | 100 | 1,091.15 F |
| 40 | 6/12 | Birch Creek Coal Co., Inc.<br>315 Citizen's Bank Bldg.<br>Brazil, Indiana | Supr. Erection Engineer Services in Connection with reassembling of Page Dragline | 272.15 | 6-15 | 6-25 | 100 | 272.15 F |
| 41 | 8/14 | A.W. Thorpe<br>175-77 Canisteo Street<br>Hornell, New York | Application of Ten (10) Year built up Asphalt Roofing | Change Ord. #1,2,3 & S. A. 7,369.68 | 8-27 | 12-10 | 100 | 7,369.68 F |
| 42 | 8/14 | Coon-Fuchs, Inc.<br>1057-59 Kensington<br>Buffalo, N. Y. | Labor and Materials for completion of Metal Safety Chutes, Down Spouts and O. G. Gutter | 2,530.54 | 8-18 | 12-7 | 100 | 2,530.54 F |
| 43 | 7/3 | Hartford Steam Boiler Inspection and Insurance Co.<br>Cleveland, Ohio | Inspection of three Boilers at the L.K.O. | 125.60<br>C.O. #1 | 7-6 | 12-22 | 100 | 125.60 F |
| 44 | 4/8 | Niagara Linoleum Co.<br>1602 Main Street<br>Niagara Falls, N. Y. | Furnishing & Installing Linoleum at the L.K.O. | 1,092.38 | 4-11 | 11-1 | 100 | 1,092.38 F |
| 45 | 9/12 | Raymond E. Kelley, Inc.<br>Burbank Drive<br>Snyder, N. Y. | Application of Damp-proofing in Filter Building and Acid Neutralization | Final 1,009.00 | 9-14 | 9-26 | 100 | 1,009.00 F |
| 46 | 2/24 | Heddick & Taylor, Inc.<br>71 W. Eagle St.<br>Buffalo, N. Y. | Furnishing & Installing Linoleum in Miscellaneous Buildings | C. O. #1 568.52 | 2-24 | 6-3 | 100 | 568.52 F |
| 47 | 9/12 | Riley Stoker Corp.<br>Worcester, Mass. | Services of Expert Operator to start up Boilers and Fuel Burning Equipment | 1,009.00 | 9-14 | 10-10 | 100 | 1,009.00 F |
| 48 | 1/31 | Sanker Thompson<br>Niagara Falls, N. Y. | Supplying & delivering of ice | 235.29 | 1-31 | 6-1 | 100 | 235.29 F |
| 49 | 7/6 | William P. Creager<br>Buffalo, New York | Consulting Engineering Services General designs and direction of detail design for temporary location of River Pumping Station | 900.00 | 7-6 | 7-23 | 100 | 900.00 F |
| 50 | 6/1 | Cataract Ice Co.<br>Niagara Falls, N. Y. | Supplying & Delivering ice | 7,300.10 | 6-1 | 1-11-43 | 100 | 2,300.10 F |
| 51 | 5/21 | Myers & Warner<br>118 Pleasant Ave.<br>Lancaster, N. Y. | Well drilling for House E-111 | 590.00 | 5-21 | 6-10 | 100 | 590.00 F |
| 52 | 10/20 | Ingersoll Rand Co.<br>Philadelphia, Pa. | Services of Supervising Erection Engineer Fourth Wave; Pre.Compressor and Power Recovery Compressor TWC #3001 | Estimated 103.83 | 3-1-43 | 3-12-43 | 100 | |
| 53 | 10/30 | Allen Floor Covering Co., Inc.<br>426-428 Pearl Street<br>Buffalo, New York | Labor & material required for 3/16" Asphalt Tile floor covering for permanent Cafeteria Building | 1,565.58 | 11-21 | 12-14 | 100 | 1,565.58 F |
| 54 | 6/27 | George B. Edwards<br>1140 Ontario Avenue<br>Niagara Falls, N. Y. | Oil Burning unit and Boiler at E-40 | 467.00 | 6-30 | 7-6 | 100 | 467.00 F |
| 55 | 10/28 | Westinghouse Electric & Manufacturing Company<br>253 Second Street<br>Niagara Falls, New York | Supervising Erection of Electric Switchboard at Main Power House | Estimated 549.36 | 12-4 | 3-18-43 | 100 | |
| 56 | 7/23 | Westinghouse Electric & Manufacturing Company<br>253 Second Street<br>Niagara Falls, N. Y. | Supervising Installation & Testing Service of two 10,000 K.V.J. transformers | 420.00 | 7-23 | 8-7 | 100 | 420.00 F |
| 57 | 9/12 | Infilco Incorporated<br>325 West 25th Street<br>Chicago, Ill. | Supervision of erection and installation of Water Treatment equipment | Estimated 1,000.00 | 9-12 | 2-6-43 | 100 | |
| 58 | 2/27/43 | Gaylord S. Guenther & Co., Inc.<br>611 Eighth Street<br>Niagara Falls, N. Y. | Construction and installation of wooden trade waste flumes in (6) Buildings #806 | 3,720.00 | 2-28 | 3-12-43 | 100 | 3,720.00 F |
| 59 | 2/6/43 | Industrial Roofing and Asbestos Corporation<br>Buffalo, N. Y. | Pipe Covering & block insulation Buildings 302 and 308 | Estimated 1,486.28<br>Labor only | 3-1-43 | 3-14-43 | 100 | |
| | | | | 285,019.97 | | | | 266,936.69 |

HBW/RCW
3/20/43

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1 - 1 Directive Consecutive No.15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad St., New York, New York

| Subcontractors | Description of Work |
|---|---|
| Name: Wright & Kremers Inc.<br>Address: Niagara Falls, N. Y. | Alteration of Tugwell and Wiseman Plant. Temporary Project Office. |

## Contract Data

Type of Contract - Lump Sum

Date of Award - January 6, 1942

Date Notice to Proceed - January 6, 1942

Actual Starting Date - January 7, 1942

Schedule Completion Date - February 13, 1942

Actual Completion Date - February 6, 1942

Amount of Original Contract - $11,180.00

Revised Contract Amount - Final Payment $11,180.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-2 Directive Consecutive No.15

Description of ~~Work:~~ Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Woolcock Plumbing & Heating Co.<br>Address: Niagara Falls, N. Y. | Plumbing & heating temporary offices at Tugwell & Wiseman Plant. |

## CONTRACT DATA

Type of Contract - Unit Price

Date of ~~Award~~ - January 6, 1942

Date Notice to Proceed - January 6, 1942

Actual Starting Date - January 7, 1942

Schedule Completion Date - February 6, 1942

Actual Completion Date - March 1, 1942

Amount of Original Contract - $5,944.33

Revised Contract Amount - Final Payment $5,944.33

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-3 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Steele Equipment Co.<br>Address: Niagara Falls, N. Y. | Electrical work temporary offices at Tugwell & Wiseman Plant |

## Contract Data

Type of Contract - Unit Price

Date of Award - January 5, 1942

Date Notice to Proceed - January 6, 1942

Actual Starting Date - January 6, 1942

Schedule Completion Date - March 4, 1942

Actual Completion Date - March 5, 1942

Amount of Original Contract - $3,714.63

Revised Contract Amount - Final Payment $3,714.63

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-4 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Gaylord S. Guenther Co., Inc.<br>Address: Niagara Falls, N. Y. | Construction of Temporary cafeteria, Pay office, Time Office and Remodeling Church for use as Engineer's Office. |

## Contract Data

Type of Contract - Lump Sum

Date of Award - February 1, 1942

Date Notice to Proceed - February 2, 1942

Actual Starting Date - February 2, 1942

Schedule Completion Date - March 1, 1942

Actual Completion Date - February 23, 1942

Amount of Original Contract - $7,527.00

Revised Contract Amount - Final Payment $7,527.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-5 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Knack Sinclair Corporation<br>Address: Niagara Falls, N. Y. | Alteration to temporary office in Niagara Falls Employment office. |

## Contract Data

Type of Contract - Lump Sum

Date of Award - February 5, 1942

Date Notice to Proceed - February 6, 1942

Actual Starting Date - February 6, 1942

Schedule Completion Date - February 11, 1942

Actual Completion Date - February 11, 1942

Amount of Original Contract - $1,304.82

Revised Contract Amount - Final Payment $1,304.82

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng-1-6 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Industrial Welding Co., Inc.<br>Address: Niagara Falls, N. Y. | Retubing south Boiler at Tugwell and Wiseman Plant temporary offices |

## Contract Data

Type of Contract - Lump Sum

Date of Award - January 17, 1942

Date Notice to Proceed - January 17, 1942

Actual Starting Date - January 18, 1942

Schedule Completion Date - January 27, 1942

Actual Completion Date - January 26, 1942

Amount of Original Contract - $1,290.00

Revised Contract Amount - Final Payment $1,290.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

REPRODUCED AT THE NATIONAL ARCHIVES



Contract No. DA-W-138 Eng-1-7 CANCELLED

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-8 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Wright and Kremers, Inc.<br>Address: Niagara Falls, N. Y. | Construction of 20 car garage on Tugwell & Wiseman Property |

## Contract Data

Type of Contract - Lump Sum

Date of Award - January 24, 1942

Date Notice to Proceed - January 24, 1942

Actual Starting Date - January 26, 1942

Schedule completion Date - February 1, 1942

Actual Completion Date - February 12, 1942

Amount of Original Contract - $8,025.00

Revised Contract Amount - Final Payment $8,025.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-9 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: City of Niagara Falls, N. Y.<br>Address: | Service Water |

## Contract Data

Type of Contract - Unit Price

Date of Award - March 25, 1942

Date Notice to Proceed - April 10, 1942

Actual Starting Date - April 19, 1942

Schedule Completion Date - 1 year contract

Actual Completion Date - Cancelled Sept. 15, 1942

Amount of Original Contract - To be unit measure

Revised Contract Amount - Final Payment $917.05

Remarks:

1. Organization - Municipality - Water Dept.
2. Efficiency of Operations -
3. Initiative and Resourcefulness -
4. Manner of Execution of Contract -
5. Reputation as to Prompt Payment -

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-10 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Wright and Kremers Inc.<br>Address: Niagara Falls, N. Y. | Construction of Guard House |

## Contract Data

Type of Contract - Lump Sum

Date of Award - January 30, 1942

Date Notice to Proceed - January 30, 1942

Actual Starting Date - January 31, 1942

Schedule Completion Date - February 7, 1942

Actual Completion Date - February 10, 1942

Amount of Original Contract - $1,262.00

Revised Contract Amount - Final Payment $1,262.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng-1-11 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Woolcock Plumbing and Heating Co.<br>Address: Niagara Falls, N. Y. | Plumbing & Heating in temporary Cafeteria |

## Contract Data

Type of Contract - Lump Sum

Date of Award - February 11, 1942

Date Notice to Proceed - February 11, 1942

Actual Starting Date - February 11, 1942

Schedule Completion Date - February 21, 1942

Actual Completion Date - February 22, 1942

Amount of Original Contract - $2,382.25

Revised Contract Amount - Final Payment $2,382.25

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

REPRODUCED AT THE NATIONAL ARCHIVES



# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-12 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: William Strassburg & Son<br>Address: Sanborn, New York | Test borings for intake and Pumping Station |

## Contract Data

Type of Contract - Unit Price

Date of Award - March 18, 1942

Date Notice to Proceed - March 18, 1942

Actual Starting Date - March 18, 1942

Schedule Completion Date - as directed

Actual Completion Date - April 27, 1942

Amount of Original Contract - $3,420.00

Revised Contract Amount - Final Payment $3,414.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-13 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, New York

| Subcontractors | Description of Work |
|---|---|
| Name: Niagara Hardware and Plumbing Supply Corp.<br>Address: Niagara Falls, New York | Hot water heating, Water Softener and Electrical Work at E 117 |

## Contract Data

Type of Contract - Lump Sum

Date of Award - February 8, 1942

Date Notice to Proceed - February 9, 1942

Actual Starting Date - February 9, 1942

Schedule Completion Date - February 18, 1942

Actual Completion Date - February 18, 1942

Amount of Original Contract - $2,135.00

Revised Contract Amount - Final Payment $2,135.00

Remarks:

1. Organization - Fair
2. Efficiency of Operations - Fair
3. Initiative and Resourcefulness - Fair
4. Manner of Execution of Contract - Fair
5. Reputation as to Prompt Payment - Fair

REPRODUCED AT THE NATIONAL ARCHIVES



Contract No. DA-W-138 Eng-1-14 CANCELLED

REPRODUCED AT THE NATIONAL ARCHIVES



# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-17 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Rohrer Electric Co., Inc.<br>Address: Niagara Falls, N. Y. | Electrical Work on Col. Parker's office, Main Office and temporary Cafeteria |

## Contract Data

Type of Contract - Lump Sum

Date of Award - January 11, 1942

Date Notice to Proceed - January 13, 1942

Actual Starting Date - January 11, 1942

Schedule Completion Date - January 17, 1942

Actual Completion Date - April 30, 1942

Amount of Original Contract - $247.86

Revised Contract Amount - Final Payment $247.86

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET



Contract No. DA-W-138 Eng-1-18 CANCELLED

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-19 Directive Consecutive No. 15, M249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Creager and Nussbaumer<br>Address: Buffalo, New York | Designs and Estimates for River Intake Works Pumping Station, Discharge Manifolds and Valve Houses. |

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 3, 1942

Date Notice to Proceed - April 3, 1942

Actual Starting Date - April 5, 1942

Schedule Completion Date - June 2, 1942

Actual Completion Date - January 14, 1943

Amount of Original Contract - $12,500.00

Change Order No. 1 - extends completion date to January 14, 1943

Revised Contract Amount - Final Payment $12,500.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operation - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-20 Directive Consecutive No. 15, M-249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Baker Smith & Company<br>Address: 40 West 40th St., New York, N.Y. | Installation of Piping |

## Contract Data

Type of Contract - Fixed Fee
Date of Award - March 28, 1942
Date Notice to Proceed - March 28, 1942
Actual Starting Date - March 28, 1942
Schedule Completion Date - within 248 days from date of contract
Actual Completion Date - March 15, 1943
Amount of Original Contract - Fixed Fee $55,000.00 Contract $1,789,900.00
Change Order No. 1 - Changes completion date to Oct. 1, 1942
Change Order No. 2 - Changes completion date to 15 days after receipt of last critical materials to be installed.
Supplemental Agreement No. 1 - extends completion date to February 28, 1943, increases Fixed Fee to $69,500.00 and increases contract amount to $2,763,126.00
Supplemental Agreement No. 2 - extends completion date to March 15, 1943
Supplemental Agreement No. 3 - reduces fee to $69,065.00
Revised Contract Amount - $69,065.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-21 Directive Consecutive No. 15, M-249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: W. H. & L. D. Betz<br>Address: Philadelphia, Pa. | Consulting Engineering Services<br>Water Treatment Problems |

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 4, 1942

Date Notice to Proceed - April 4, 1942

Actual Starting Date - April 4, 1942

Schedule Completion Date - November 7, 1942

Actual Completion Date - February 4, 1943

Amount of Original Contract - $6,600.00

Change Order No. 1 - increases amount to $9,000.00

Change Order No. 2 - increases amount to $9,350.00 and extends completion date to February 4, 1943

Revised Contract Amount - $9,350.00 Final Payment

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-22 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: R. J. Moran & Sons<br>Address: 438 Woodward Ave.,<br>Buffalo, N. Y. | Forced Air Heating 4<br>AEM Buildings |

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 4, 1942

Date Notice to Proceed - April 9, 1942

Actual Starting Date - April 24, 1942

Schedule Completion Date - May 12, 1942

Actual Completion Date - July 20, 1942

Amount of Original Contract - $15,920.00

Change Order No. 1 - decreased amount to $15,802.00

Revised Contract Amount - Final Payment $15,802.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Subcontractor poor
3. Initiative and Resourcefulness - Subcontractor poor
4. Manner of Execution of Contract - Subcontractor poor
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-23 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: George Daunce & Sons<br>Address: Lockport, N. Y. | Moving E-53 to Foundation at site of former Bldg. E-111 |

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 27, 1942

Date Notice to Proceed - May 4, 1942

Actual Starting Date - May 4, 1942

Schedule Completion Date - May 12, 1942

Actual Completion Date - May 27, 1942

Amount of Original Contract - $1,200.00

Change Order No. 1 - extends completion date to May 27, 1942

Revised Contract Amount - Final Payment $1,200.00

Remarks:

1. Organization - Good
2. Efficiency of Operation - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-24 Directive Consecutive No.15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: W. Cease<br>Address: Dunkirk, N. Y. | Cafeteria Service |

## Contract Data

Type of Contract - No charge

Date of Award - February 14, 1942

Date Notice to Proceed - February 14, 1942

Actual Starting Date - February 14, 1942

Schedule Completion Date - 30 days after notice

Actual Completion Date - Cancelled Aug. 22, 1942

Amount of Original Contract - None

Revised Contract Amount - None

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-27 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Rohrer Electric Co., Inc.<br>Address: Niagara Falls, N. Y. | Electrical Work in Bldgs. 701-705-719 |

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 2, 1942

Date Notice to Proceed - May 6, 1942

Actual Starting Date - May 8, 1942

Schedule Completion Date - as buildings 701, 705 and 719 are completed

Actual Completion Date - November 7, 1942

Amount of Original Contract - $5,655.00

Revised Contract Amount - Final Payment $5,655.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-28 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Chemical Construction Corporation<br>Address: 30 Rockefeller Plaza, New York, N. Y. | Designing Sulphuric Acid Bldg. and catwalk |

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 17, 1942

Date Notice to Proceed - April 18, 1942

Actual Starting Date - April 18, 1942

Schedule Completion Date - none

Actual Completion Date - August 31, 1942

Amount of Original Contract - $3,000.00

Revised Contract Amount - Final Payment $3,000.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Slow on furnishing plans
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-29 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Claxton Asbestos Co.<br>Address: Buffalo, N. Y. | Pipe covering and Flat Work |

## Contract Data

Type of Contract - Unit Price

Date of Award - May 13, 1942

Date Notice to Proceed - May 13, 1942

Actual Starting Date - May 13, 1942

Schedule Completion Date - as directed

Actual Completion Date - July 25, 1942

Amount of Original Contract - $2,035.15

Revised Contract Amount - Final Payment $1,853.36

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET



Contract No. DA-W-138 Eng-1-30 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Ingersoll Rand Co.<br>Address: Philadelphia, Pa. | Supervising Erection of 3 Air Compressors in Building 302-2 |

## Contract Data

Type of Contract - Unit Price

Date of Award - June 11, 1942 Not signed.

Date Notice to Proceed - June 19, 1942

Actual Starting Date - June 19, 1942

Schedule Completion Date - as directed

Actual Completion Date - January 15, 1943

Amount of Original Contract - $671.83 Approx.

Revised Contract Amount - $548.49 Estimated

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good;slow on last quarter of contract
5. Reputation as to Prompt Payment - Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng-1-31 Directive Consecutive No. 15, M-249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Toledo Scale Co,<br>Address: Toledo, Ohio | Supervising of Installing and Testing of Scales |

## Contract Data

Type of Contract - Unit Price

Date of Award - June 11, 1942

Date Notice to Proceed - July 6, 1942

Actual Starting Date - July 6, 1942

Schedule Completion Date - none

Actual Completion Date- December 12, 1942

Amount of Original Contract - $1,645.25

Change Order No. 1 - increases amount to $2,112.00

Revised Contract Amount - Final payment $2,112.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng-1-32 Directive Consecutive No. 15, M-249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Howe Scale Co.<br>Address: Philadelphia, Pa. | Supervising of Installation & testing of 55 ton Scales |

## Contract Data

Type of Contract - Unit Price

Date of Award - June 11, 1942

Date Notice to Proceed - June 25, 1942

Actual Starting Date - June 24, 1942

Schedule Completion Date - as directed

Actual Completion Date - October 28, 1942

Amount of Original Contract - $463.16 approximate

Change Order No. 1 - decreases amount to $381.36

Supplemental Agreement A - increases amount to $472.16 and increases the scope of work.

Revised Contract Amount - $363.20 Estimated

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-33 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Arrow Tank Co.<br>Address: Buffalo, N. Y. | 10,000 Gallon Wood Water Tank |

## Contract Data

Type of Contract - Lump Sum

Date of Award - April 4, 1942

Date Notice to Proceed - April 9, 1942

Actual Starting Date - April 9, 1942

Schedule Completion Date - April 10, 1942

Actual Completion Date - April 10, 1942

Amount of Original Contract - $615.78

Revised Contract Amount - Final Payment $615.78

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-34 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Dr. Henry R. Alderman<br>Address: Lewiston, N. Y. | Medical Service at the L.K.O. |

## Contract Data

Type of Contract - Lump Sum

Date of Award - March 1, 1942

Date Notice to Proceed - March 1, 1942

Actual Starting Date - March 1, 1942

Schedule Completion Date - May 30, 1942

Actual Completion Date - May 30, 1942

Amount of Original Contract - $754.00

Revised Contract Amount - Final Payment $754.00

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-35 Directive Consecutive No. 15,
DA-W-138 Eng-1-35 A M-249, M-466

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Brinks Inc.<br>Address: Buffalo, N. Y. | Making up pay envelopes and paying same. |

## Contract Data

Type of Contract - Unit Price

Date of Award - June 26, 1942

Date Notice to Proceed - April 2, 1942

Actual Starting Date - April 2, 1942

Schedule Completion Date - on receipt of 30 day notice

Actual Completion Date - March 12, 1943

Amount of Original Contract - Approximately $8,000.00

Rider - decrease in unit price

Revised Contract Amount - Estimated $13,711.05

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-36 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Bailey Meter Co.<br>Address: Cleveland, Ohio | Super. Eng. Erection and Service assembling and Starting up of Service Meters and Combustion Control |

## Contract Data

Type of Contract - Unit Price

Date of Award - July 6, 1942

Date Notice to Proceed - August 27, 1942

Actual Starting Date - August 27, 1942

Schedule Completion Date - as directed

Actual Completion Date - February 8, 1943

Amount of Original Contract - $500.00

Revised Contract Amount - Final Payment $650.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-37 Directive Consecutive No. 15

Description of Work; Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: The Jeffery Mfg. Co.<br>Address: Columbus, Ohio | Super. Eng. Erection Service assembling and starting up of Coal handling equipment. |

## Contract Data

Type of Contract - Unit Price

Date of Award - July 13, 1942

Date Notice to Proceed - August 17, 1942

Actual Starting Date - August 17, 1942

Schedule Completion Date - as directed

Actual Completion Date - August 29, 1942

Amount of Original Contract - $440.00

Corrected Contract Amount - Final payment $440.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-38 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Layne - New York Co., Inc.<br>Address: Linden, N. J. | Erection Service of 4 heavy duty pumps |

## Contract Data

Type of Contract - Unit Price

Date of Award - July 13, 1942

Date Notice to Proceed - September 3, 1942

Actual Starting Date - September 3, 1942

Schedule Completion Date - as directed

Actual Completion Date - September 28, 1942

Amount of Original Contract - $430.15

Change Order No. 1 - increases amount to $437.20

Revised Contract Amount - Final Payment $665.70

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-39 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Rupp Equipment Co.<br>Address: Buffalo, N. Y. | Labor, Materials & Transportation for Blasting |

## Contract Data

Type of Contract - Unit Price

Date of Award - March 13, 1942

Date Notice to Proceed - March 13, 1942

Actual Starting Date - March 13, 1942

Schedule Completion Date - November 1, 1942

Actual Completion Date - July 15, 1942

Amount of Original Contract - $1,002.32

Revised Contract Amount - Final Payment $1,031.15

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-40 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Birch Creek Coal Co., Inc.<br>Address: 215 Citizens Bank Bldg, Brazil, Indiana | Super., Erect. Engineers Service in connection with reassembling of Page Drag Line |

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 12, 1942

Date Notice to Proceed - June 15, 1942

Actual Starting Date - June 15, 1942

Schedule Completion Date - as directed

Actual Completion Date - June 25, 1942

Amount of Original Contract - $272.15

Revised Contract Amount - Final Payment $272.15

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-41 Directive Consecutive No. 15, M-249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: A. W. Thorpe<br>Address: 175-77 Canisteo St., Hornell, N. Y. | Application of 10 year Built up Asphalt Roofing |

## Contract Data

Type of Contract - Unit Price

Date of Award - August 14, 1942

Date Notice to Proceed - August 24, 1942

Actual Starting Date - August 27, 1942

Schedule Completion Date - 7 days after last structure is ready for Roofing

Actual Completion Date - December 10, 1942

Amount of Original Contract - $3,313.76

Change Order No. 1 - increases amount to $3,913.26

Supplemental Agreement A - increases amount to $13,779.91

Change Order No. 2 - decreases amount to $7,170.12

Change Order No. 3 - increases amount to $7,369.68

Revised Contract Amount - Final Payment $7,369.68

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-42 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Coon-Fuch, Inc.<br>Address: 1057-59 Kensington, Buffalo, N. Y. | Furnish Materials in connection with Metal Safety Chutes, Down Spouts and O.G. Gutters |

## Contract Data

Type of Contract - Unit Price

Date of Award - August 14, 1942

Date Notice to Proceed - August 18, 1942

Actual Starting Date - August 18, 1942

Schedule Completion Date - August 31, 1942

Actual Completion Date - December 7, 1942

Amount of Original Contract - $1,249.88

Change Order No. 1 - increases amount to $1,983.98 and extends completion date to September 30, 1942

Change Order No. 2 - extends completion date to 10 days after last building is ready for flashing

Revised Contract Amount - Final Payment $2,530.54

Remarks:

1. Orga nization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-43 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontaric Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Hartford Steam Boiler Inspection & Insurance Co.<br>Address: Cleveland, Ohio | Inspection of Boilers in Boiler House |

## Contra ct Data

Type of Contract - Lump Sum

Date of Award - July 3, 1942

Date Notice to Proceed - July 6, 1942

Actual Starting Date - July 6, 1942

Schedule Completion Date - August 6, 1942

Actual Completion Date - December 22, 1942

Amount of Original Contract - $72.00

Change Order No. 1 - increases amount to $88.00 and increases the number of boilers to 4, and extends completion date to Sept. 15, 1942

Change Order No. 2 - increases amount to $125.60 and extends completion date to December 22, 1942

Revised Contract Amount - Final Payment $125.60

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-44 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Niagara Linoleum Co.<br>Address: 1602 Main St.,<br>Niagara Falls, N.Y. | Furnishing and Installing Linoleum at the L.K.O. |

## Contract Data

Type of Contract - Unit Prices

Date of Award - April 8, 1942

Date Notice to Proceed - April 10, 1942

Actual Starting Date - April 11, 1942

Schedule Completion Date - November 1, 1942

Actual Completion Date - November 1, 1942

Amount of Original Contract - $1,032.62

Revised Contra ct Amount - Final Payment $1,092.38

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-46 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Hoddick & Taylor Inc.<br>Address: 71 W. Eagle St., Buffalo, N. Y. | Furnishing & Installing Linoleum in Misc. Bldgs. |

## Contract Data

Type of Contract - Lump Sum

Date of Award - February 24, 1942

Date Notice to Proceed - February 24, 1942

Actual Starting Date - February 24, 1942

Schedule Completion Date - June 3, 1942

Actual Completion Date - June 3, 1942

Amount of Original Contract - $843.50

Change Order No.1 - reduces amount to $568.52

Revised Contract Amount - $568.52 Final Payment

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-47 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Riley Stoker Corp.<br>Address: Worcester, Mass. | Starting up Boiler and Fuel Burning Equipment. |

## Contract Data

Type of Contract - Unit Price

Date of Award - September 12, 1942

Date Notice to Proceed - September 14, 1942

Actual Starting Date - September 14, 1942

Schedule Completion Date - as directed

Actual Completion Date - October 10, 1942

Amount of Original Contract - $ 541.00

Revised Contract Amount - Final Payment $1,009.00

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-48 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Sankey Thompson<br>Address: Niagara Falls, N. Y. | Supply and delivering of ice |

## Contract Data

Type of Contract - Unit Price

Date of Award - January 31, 1942

Date Notice to Proceed - January 31, 1942

Actual Starting Date - January 31, 1942

Schedule Completion Date - As directed

Actual Completion Date - June 1, 1942

Amount of Original Contract - Unit Price

Revised Contract Amount - Final Payment $235.29

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-49 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Con ractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: William P. Creager<br>Address: Buffalo, New York | Eng. Service, General designs River Pumping Station |

Contract not approved by Area Engineer.

## Contract Data

Type of Contract - Lump Sum

Date of Award - July 6, 1942

Date Notice to Proceed - July 6, 1942

Actual Starting Date - July 6, 1942

Schedule Completion Date - As directed

Actual Completion Date - October 1, 1942

Amount of Original Contract - $900.00

Revised Contract Amount - Final Payment $900.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. $D_a$-W-138 Eng-1-50 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Cataract Ice Co.<br>Address: Niagara Falls, N. Y. | Supply and delivering of ice |

## Contract Data

Type of Contract - Unit Price

Date of Award - June 1, 1942

Date Notice to Proceed - June 1, 1942

Actual Starting Date - June 1, 1942

Schedule Completion Date - as directed

Actual Completion Date - January 11, 1943

Amount of Original Contract - none

Revised Contract Amount - Final payment $2,300.10

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-51 Directive Consecutive No.15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Myers & Warner<br>Address: 118 Pleasant Ave., Lancaster, N. Y. | Well drilling for House E-111 |

## Contract Data

Type of Contract - Lump Sum

Date of Award - May 21, 1942

Date Notice to Proceed - May 21, 1942

Actual Starting Date - May 21, 1942

Schedule Completion Date - June 15, 1942

Actual Completion Date - June 10, 1942

Amount of Original Contract - $590.00

Revised Contract Amount - Final Payment $590.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-52 Directive Consecutive No.M-249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractor | Description of Work |
|---|---|
| Name: Ingersoll Rand Co.<br>Address: Philadelphia, Pa. | Supervising Erection Engineer Fourth Wave: Pre. Compressor and Power Recovery Compressor T.W.C. #3001 |

## Contract Data

Type of Contract - Unit Price

Date of Award - October 20, 1942

Date Notice to Proceed - March 1, 1943

Actual Starting Date - March 1, 1943

Schedule Completion Date - as directed

Actual Completion Date - March 12, 1943

Amount of Original Contract - Unit Price

Revised Contract Amount - $103.83 Estimated

Contract not returned signed by Contractor.

Remarks:

1. Organization - Fair
2. Efficiency of Operation - Fair
3. Initiative and Resourcefulness - Fair
4. Manner of Execution of Contract - Fair
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-53 Directive Consecutive No.15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Allen Floor Covering Co., Inc.<br>Address: Buffalo, New York | Labor & material required for 3/16" Asphalt Tile floor covering for permanent Cafeteria Bldg. |

## Contract Data

Type of Contract - Unit Price

Date of Award - October 30, 1942

Date Notice to Proceed - November 14, 1942

Actual Starting Date - November 21, 1942

Schedule Completion Date - November 16, 1942

Actual Completion Date - December 14, 1942

Amount of Original Contract - $1,677.50

Change Order No. 1 - changes starting date to November 21, 1942, completion date to December 14, 1942

Revised Contract Amount - Final Payment $1,565.58

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138-Eng-1-54 Directive Consecutive No.15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: George B. Edwards<br>Address: Niagara Falls, N. Y. | Installing New Heating Plant & Boiler; House E-40 |

## Contract Data

Type of Contract - Lump Sum

Date of Award - June 27, 1942

Date Notice to Proceed - June 30, 1942

Actual Starting Date - June 30, 1942

Schedule Completion Date - July 6, 1942

Actual Completion Date - July 6, 1942

Amount of Original Contract - $467.00

Revised Contract Amount - Final Payment $467.00

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-55 Directive Consecutive No.15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Westinghouse Electric & Mfg. Co.<br>Address: Niagara Falls, N. Y. | Supervising Erection of Main Switchboard at Main Power House |

## Contract Data

Type of Contract - Unit Price

Date of Award - November 28, 1942

Date Notice to Proceed - November 30, 1942

Actual Starting Date - November 30, 1942

Schedule Completion Date - as directed

Actual Completion Date - March 18, 1943

Amount of Original Contract - $294.60 approximately

Revised Contract Amount - $549.36 Estimated

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-56 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Westinghouse Electric and Mfg. Co.<br>Address: Pittsburgh, Pa. | Supervising the installation and testing service for 2 main transformers |

## Contract Data

Type of Contract - Lump Sum

Date of Award - July 23, 1942

Date Notice to Proceed - July 23, 1942

Actual Starting Date - July 23, 1942

Schedule Completion Date - as directed

Actual Completion Date - August 7, 1942

Amount of Original Contract - $420.00

Revised Contract Amount - Final Payment $420.00

Remarks:

1. Organization - Excellent
2. Efficiency of Operations - Excellent
3. Initiative and Resourcefulness - Excellent
4. Manner of Execution of Contract - Excellent
5. Reputation as to Prompt Payment - Excellent

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-57 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Infilco Inc.<br>Address: 325 West 25th St., Chicago, Ill. | Supervision of erection and installation of water treatment equipment |

## Contract Data

Type of Contract - Unit Price

Date of Award - September 12, 1942

Date Notice to Proceed - September 12, 1942

Actual Starting Date - September 12, 1942

Schedule Completion Date - as directed

Actual Completion Date - February 6, 1943

Amount of Original Contract - $412.50

Revised Contract Amount - $1,000.00 Final Payment

Remarks:

1. Organization - Good
2. Efficiency of Operations - Good
3. Initiative and Resourcefulness - Good
4. Manner of Execution of Contract - Good
5. Reputation as to Prompt Payment - Good

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# CONTRACT SUMMARY SHEET

Contract No. DA-W-138 Eng-1-58 Directive Consecutive No. 15

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractors | Description of Work |
|---|---|
| Name: Gaylord S. Guenther & Co., Inc.<br>Address: 611 Eighth Street<br>Niagara Falls, N. Y. | Construction and Installation of Wooden Trade Waste Flumes in (6) Bldgs. No. 806 |

## Contract Data

Type of Contract - Lump Sum

Date of Award - February 27, 1943

Date of Notice to Proceed - February 27, 1943

Actual Starting Date - February 28, 1943

Schedule Completion Date - March 13, 1943

Actual Completion Date - March 12, 1943

Amount of Original Contract - $3,720.00

Revised Contract Amount - Final Payment $3,720.00

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

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# CONTRACT SUMMARY SHEET



Contract No. DA-W-138 Eng-1-59 Directive Consecutive No. M-249

Description of Work: Architect-Engineer-Manager for Lake Ontario Ordnance Works

Contractor: Name: The J. G. White Engineering Corporation
Address: 80 Broad Street, New York, N. Y.

| Subcontractor | Description of Work |
|---|---|
| Name: Industrial Roofing & Asbestos Corp.<br>Address: 574 Fillmore Avenue, Buffalo, N. Y. | Application of Pipe Covering and Block Insulation in Buildings No. 302 and 308 |

## Contract Data

Type of Contract - Unit Price

Date of Award - March 5, 1943

Date of Notice to Proceed - March 5, 1943

Actual Starting Date - March 5, 1943

Schedule Completion Date - March 15, 1943

Actual Completion Date - March 14, 1943

Amount of Original Contract - $2,745.31

Revised Contract Amount - $1,486.28 Estimated

Remarks:

1. Organization - Very Good
2. Efficiency of Operations - Very Good
3. Initiative and Resourcefulness - Very Good
4. Manner of Execution of Contract - Very Good
5. Reputation as to Prompt Payment - Very Good

DATED March 15, 1943

LAKE ONTARIO ORDNANCE WORKS

The J. G. White Engineering Corporation

SUPPLY CONTRACTS

| CONTRACT NO. DA-W-138 ENG- | DATE AWARDED | AWARDED TO | EQUIPMENT OR JOB | AMOUNT | FINAL INSPECTION OR DELIVERY DATE | PAYMENTS TO DATE |
|---|---|---|---|---|---|---|
| 2 | 1-14 | General Motors Corp. Detroit, Michigan | 10 Vehicles - 8-Passenger station wagon type. | $ 9,762.80 | 2-24-42 | $ 9,762.80 F |
| 3 | 1-12 | New York Telephone Co. | Telephone Service | 87,924.76 | Paid Mar.15,1943 | 87,924.76 |
| 4 | 1-12 | New York Telephone Co. | Teletype Service | 422.54 | 12-31-42 | 422.54 F |
| 5 | 1-14 | Fargo Motor Corp. Detroit, Michigan | 10 Vehicles - 5-passenger, 4-door sedan type. | 7,625.00 | 2-24-42 | 7,625.00 F |
| 6 | 2-14 | General Motors Corp. Pontiac, Michigan | 6 Vehicles - 5-passenger, 4-door sedan - Pontiac. | 4,497.00 | 2-24-42 | 4,497.00 F |
| 8 | 3-4 | H. Wetherald Buffalo, New York | 1 H.D.-14 Tractor and Angle Dozer<br>1 H.D.-10 Tractor and Angle Dozer<br>2 Model AD Motor Graders | 30,110.00 | 4-6-42 | 30,110.00 F |
| 9 | 3-4 | Syracuse Supply Co. Buffalo, New York | 1 Model T4 Traxcavator mounted on D-4 Caterpillar tractor with bull dozed blade that can be substituted for traxcavator. | 5,182.00 | 5-7-42 | 5,182.00 F |
| 10 | 3-6 | The Wheeler Equipment Co. Buffalo, New York | 1 Marmon-Herrington Ford Model MH6-4, 4 wheel drive with Gar Wood Model 4MB-15 Ton winch and platform stake body.<br>1 Marmon-Herrington Ford Model M-H-3-6, 6 wheel drive with Gar Wood Model 4MB-15 Ton winch and platform stake body. | 7,140.00 | 4-2-42 | 7,140.00 F |
| 11 | 3-6 | Boyle & Perl Garage Niagara Falls, N. Y. | 1 5-Ton International truck with 14' stake platform body and cab, directional lights, heater and defroster and front tow hook. | 2,877.43 | 4-8-42 | 2,877.43 F |
| 17 | 1-9 | Ryan & Williams, Inc. Buffalo, New York | 1 Lot Office Furniture | 2,576.30 | 4-3-42 | 2,576.30 F |
| 18 | 3-24 | Boyle & Perl Garage Niagara Falls, N. Y. | 2 - 30 Passenger International Passenger Busses. | 5,727.52 | 6-10-42 | 5,727.52 F |
| 20 | 3-27 | Dimelt & Eisenhardt, Inc. Philadelphia, Pa. | 1 Class A Lovekin Pipe Expanding and Flanging Machine $7,150.00 Change Order decreased amount to | 7,075.00 | 6-5-42 | 7,075.00 F |
| 21 | 3-26 | White Motor Co. Buffalo, New York | 1 Dump Truck, 3½ yard capacity | 3,883.00 | 4-21-42 | 3,883.00 F |
| 22 | 1-7 | Millington Lockwood, Inc. Buffalo, New York | 1 Lot Office Furniture | 2,519.10 | 1-10-42 | 2,519.10 F |
| 25 | 4-4 | Syracuse Supply Co. Buffalo, New York | 1 D8 Caterpillar Diesel Tractor with Hydrolic Angle Dozer | 10,795.00 | 4-15-42 | 10,795.00 F |
| 27 | 4-4 | Brost Motors Inc. Buffalo, New York | 20-½ Ton Pickup Dodge Trucks | 14,000.00 | 4-14-42 | 14,000.00 F |
| 28 | 4-8 | Boyle & Perl Garage Niagara Falls, N. Y. | 2 - 30 Passenger International Busses | 5,727.52 | 5-25-42 | 5,727.52 F |
| 29 | 4-10 | Kenmore Motor Company Kenmore, New York | 5 - 1942 Dump Trucks | 9,759.50 | 4-25-42 | 9,759.50 F |

ODUCED AT THE NATIONAL ARCHIVES



DATED March 15, 1943

LAKE ONTARIO ORDNANCE WORKS

The J. G. White Engineering Corporation

SUPPLY CONTRACTS

| CONTRACT NO. DA-W-138 ENG- | DATE AWARDED | AWARDED TO | EQUIPMENT OR JOB | AMOUNT | FINAL INSPECTION OR DELIVERY DATE | PAYMENTS TO DATE |
|---|---|---|---|---|---|---|
| 30 | 4-9 | T. E. Potts<br>Kenmore, New York | 2 Lorain No. 830 Lifting (Crawler) Cranes. | $ 52,710.00 | 7-8-42 | $ 52,710.00 F |
| 31 | 4-14 | Boyle & Perl Garage<br>Niagara Falls, N. Y. | 6 - International Stake Trucks $1128 each. | 6,768.00 | 4-24-42 | 6,768.00 F |
| 32 | 4-13 | H. Wetherald<br>Buffalo, New York | 2 - Tractors, HD-10-W $15,050.00 less 10% | 13,545.00 | 5-16-42 | 13,545.00 F |
| 33 | 4-16 | Lima Locomotive Works, Inc.<br>Lima, Ohio | 1 - Lima Model 1001 Clamshell Crane | 44,835.00 | 6-21-42 | 44,835.00 F |
| 34 | 4-16 | L. B. Smith, Inc.<br>Camp Hill, Pa. | 2 Ford ½-ton Trucks, 1942 | 3,525.00 | 4-20-42 | 3,525.00 F |
| 35 | 4-16 | L. B. Smith, Inc.<br>Camp Hill, Pa. | 1 Smithco Fuel Tank Truck, 1942 | 2,394.50 | 4-20-42 | 2,394.50 F |
| 37 | 4-17 | Fraser-Brace Engineering Co.<br>New York, N. Y. | Site Survey for L.E.O. | 2,500.00 | 12-16-41 | 2,500.00 F |
| 38 | 4-18 | Syracuse Supply Co.<br>Syracuse, New York | 1 Highway Trailer Co. Model HD Earth Boring Machine. Mounted on Caterpillar Model D2 Diesel Tractor. | 7,448.00 | 6-20-42 | 7,448.00 F |
| 39 | 4-20 | Firestone Tire & Rubber Co.<br>Buffalo, New York | Miscellaneous Tires and tubes | 4,649.04 | 5-7-42 | 4,649.04 F |
| 41 | 4-21 | Syracuse Supply Co.<br>Syracuse, New York | 1 - D-6 Caterpillar Tractor D6N Hyster Winch | | Cancelled | |
| 42 | 4-20 | Brockway Motor Co.<br>Buffalo, New York | 1 Model 88 Brockway Truck and Tulsa Winch. | 2,440.00 | 5-18-42 | 2,440.00 F |
| 43 | 4-21 | Brost Motor Company<br>Buffalo, New York | 10 - Dodge 1/2 ton Pickups<br>4 - Dodge 3/4 ton Pickups | 9,730.00 | 4-29-42 | 9,730.00 F |
| 44 | 4-21 | Trailer Co. of America<br>Buffalo, New York | 2 - 24' Trailers<br>1 - 28' Trailer - $1,762.60 ea | 5,287.80 | 5-7-42 | 5,287.80 F |
| 45 | 4-21 | Fruehauf Trailer Co.<br>Detroit, Michigan | 2 - 26' Trailers, Model 426<br>1 - 24' Trailer, Model 224 | 5,697.00 | 5-26-42 | 5,697.00 F |
| 46 | 4-21 | Brockway Motor Co.<br>Buffalo, New York | 2 Trucks, Model 166<br>$3,900.00 ea. | 7,800.00 | 5-20-42 | 7,800.00 F |
| 47 | 4-21 | Mack International Truck Co.<br>Buffalo, New York | 2 Trucks, Model EQ<br>$4,307.32 | 8,614.64 | 5-14-42 | 8,614.64 F |
| 48 | Cancelled | | | | Cancelled | |
| 49 | 4-23 | Boyle & Perl Garage<br>Niagara Falls, New York | 3 Model K-1 one-half Ton International Pickup Trucks | 2,085.00 | 4-25-42 | 2,085.00 F |

ODUCED AT THE NATIONAL ARCHIVES



DATED March 15, 1942

LAKE ONTARIO ORDNANCE WORKS

T . . . White Engineering Corporation

SUPPLY CONTRACTS

| CONTRACT NO. DA-W-138 ENG- | DATE AWARDED | AWARDED TO | EQUIPMENT OR JOB | AMOUNT | FINAL INSPECTION OR DELIVERY DATE | PAYMENTS TO DATE |
|---|---|---|---|---|---|---|
| 50 | 4-23 | Dow and Company Buffalo, New York | 1 Heavy Duty 12' Tandem Motor Graders, with Scarifier: Cab & Elec. Lights. | $ 6,973.00 | 4-23-42 | $ 6,973.00 F |
| 51 | 4-28 | Boyle & Perl Garage Niagara Falls, N. Y. | 12 3/4-Ton K-2 International Pickups. $725.00 ea. | 8,700.00 | 4-25-42 | 8,700.00 F |
| 52 | 4-23 | Krueger Motor Sales Co. Niagara Falls, N. Y. | 2 General Motors Trucks with 14' Platform Body. $2,918.40 ea. | 5,836.80 | 5-30-42 | 5,836.80 F |
| 53 | 4-23 | Brost Motors Co. Buffalo, New York | 2 Dodge Trucks, Model WRA 63 F $2,773.75 ea. | 5,547.50 | 5-11-42 | 5,547.50 F |
| 54 | 4-23 | Boyle & Perl Garage Niagara Falls, N. Y. | 3 International Trailer Trucks Model K-8. $2,685.00 ea. | 8,055.00 | 5-7-42 | 8,055.00 F |
| 55 | 4-23 | Brockway Motor Co. Buffalo, New York | 3 Model 147 Brockway Trucks $2,730.00 ea. | 8,190.00 | 5-26-42 | 8,190.00 F |
| 56 | 4-24 | Boyle & Perl Garage Niagara Falls, N. Y. | 2 International Trucks - 3 Ton Model K-8. $2,860.00 ea. | 5,720.00 | 5-2-42 | 5,720.00 F |
| 57 | 4-24 | Brockway Motor Co. Buffalo, N. Y. | 4 Brockway Trucks Model 146 (Special) $2,900.00 each. | 11,600.00 | 5-18-42 | 11,600.00 F |
| 59 | 4-25 | Syracuse Supply Co. Syracuse, New York | 1 Motor Grader, 12' Heavy Duty Tandem, with Scarifier: Cab and Elec. Lights. | 6,930.00 | 5-29-42 | 6,930.00 F |
| 61 | 4-26 | Harry H. Frank Rochester, New York | 1 Ten Ton Roller 1931 Model | 2,600.00 | 4-26-42 | 2,600.00 F |
| 63 | 4-30 | L. B. Smith Motor Co. Camp Hill, Pa. | 4 Ford Station Wagons 2 Mercury Station Wagons | 7,922.02 | 5-6-42 | 7,922.02 F |
| 65 | 5-1 | Kenmore Motor Co. Kenmore, New York | 5-3 yard dump trucks | 9,850.00 | 5-13-42 | 9,850.00 F |
| 66 | 5-2 | L. B. Smith Motor Co. Camp Hill, Pa. | 5-3 yard Ford dump Trucks | 11,875.00 | 5-2-42 | 11,875.00 F |
| 68 | 4-29 | L. B. Smith Motor Co. Camp Hill, Pa. | 3 Ford 1,500 gal. water tank trucks. | 7,251.00 | 5-11-42 | 7,251.00 F |
| 73 | 5-11 | Dow & Co. Buffalo, New York | 1-T-14 International Tractor with Scarper | 8,348.40 | 6-15-42 | 8,348.40 F |
| 75 | Cancelled | | | | Cancelled | |
| 76 | 5-5 | George Doyle | 30 Autos | 23,171.70 | 6-6-42 | 23,171.70 F |

DATED March 15, 1943

LAKE ONTARIO ORDNANCE WORKS

The J. G. White Engineering Corporation

SUPPLY CONTRACTS

| CONTRACT NO. DA-W-138 ENG- | DATE AWARDED | AWARDED TO | EQUIPMENT OR JOB | AMOUNT | FINAL INSPECTION OR DELIVERY DATE | PAYMENTS TO DATE |
|---|---|---|---|---|---|---|
| 80 | 5-16 | Dow & Company Buffalo, New York | 2 Adams Diesel Motor Trucks | $ 12,716.48 | 6-10-42 | $ 12,716.48 F |
| 81 | 5-18 | Syracuse Supply Co. Syracuse, New York | 3 Tandem Drive Diesel Motor Trucks | 19,755.00 | 6-1-42 | 19,755.00 F |
| 85 | 5-26 | Kenmore Motor Co. Kenmore, N. Y. | 4 1942-158" Dump Trucks | 7,920.00 | 6-1-42 | 7,920.00 F |
| 87 | 5-28 | Lima Locomotive Works Lima, Ohio | Drag Line Model 1001 | 40,028.10 | 6-24-42 | 40,028.10 F |
| 90 | Cancelled | | | | | Cancelled |
| 91 | Cancelled | | | | | Cancelled |
| 97 | Cancelled | | | | | Cancelled |
| 98 | 6-5 | Syracuse Supply Co. Syracuse, New York | 4, 4 wheel self load Scrapers $24,076.00 Change Order increased amount to | 24,716.00 | 7-28-42 | 24,716.00 F |
| 101 | 6-8 | L. B. Smith Co., Inc. Camp Hill, Pa. | 1 Lorain Crane (gas)<br>1 " " (Diesel) | 18,475.00 | 6-26-42 | 18,475.00 F |
| 102 | 6-1 | Auto Car Sales and Service Co. | 5 Model C-500 Dump Trucks | 21,851.85 | 6-17-42 | 21,851.85 F |
| 103 | 6-12 | Mack-International Truck Corp. Buffalo, New York | 3 Dump Trucks | 13,309.56 | 6-16-42 | 13,309.56 F |
| 104 | Cancelled | | | | | Cancelled |
| 105 | 6-12 | White Motor Sales Buffalo, N. Y. | 2 White Dump Trucks | 9,100.00 | 6-18-42 | 9,100.00 F |
| 106 | 6-11 | T. E. Potts Kenmore, N. Y. | 3 Cranes<br>1 Williams Clam Bucket | | | Cancelled |
| 110 | 6-13 | Mack International Motors Buffalo, N. Y. | 2 1942 14' Stake trucks with 200,000 lb. loader | 8,614.64 | 7-9-42 | 8,614.64 F |
| 112 | 6-13 | Krueger Motor Sales Co. Niagara Falls, N. Y. | 2-5 Ton Dump Trucks $4,171.23 each | 8,342.46 | 6-14-42 | 8,342.46 F |
| 113 | 6-13 | T. E. Potts Kenmore, N. Y. | Combination Crane, Shovel 3 Drag Line with Boom re-instated | 27,734.00 | delivered to another project | 27,734.00 F |
| 114 | 6-23 | T. T. Dowdle McCook, Ill. | 1 Drag Line Diesel | 27,500.00 | 7-8-42 | 27,500.00 F |
| 115 | 6-19 | Autocar Sales & Service Buffalo, New York | 3 - 3 ton Auto Tractors $2,685.00 each | 8,055.00 | 7-17-42 | 8,055.00 F |
| 116 | 6-20 | Krueger Motor Sales Niagara Falls, N. Y. | 2 - 2½ Ton 14' Stake Trucks $3,058.92 each | 6,117.84 | 7-21-42 | 6,117.84 F |

ODUCED AT THE NATIONAL ARCHIVES



DATED March 15, 1943

LAKE ONTARIO ORDNANCE WORKS

The J. G. White Engineering Corporation

SUPPLY CONTRACTS

| CONTRACT NO. DA-W-138 ENG- | DATE AWARDED | AWARDED TO | EQUIPMENT OR JOB | AMOUNT | FINAL INSPECTION OR DELIVERY DATE | PAYMENTS TO DATE |
|---|---|---|---|---|---|---|
| 117 | 6-20 | Autocar Sales & Service Buffalo, New York | 3 - 2½ ton 14' Stake Trucks $3,150.00 each | $ 9,450.00 | 7-22-42 | $ 9,450.00 F |
| 118 | 6-18 | Dowe & Co., Inc. Buffalo, New York | 1 - T. D. - 18 Tractor and S. I. 12 Wagon | 11,750.00 | 6-18-42 | 11,750.00 F |
| 121 | 7-3 | Cancelled | | | | |
| 122 | 6-25 | Lombardo Bros. Construction Company Cleveland, Ohio | 1 Lorain 1941 Shovel | 24,000.00 | 7-7-42 | 24,000.00 F |
| 123 | 6-30 | H. Wetherald Buffalo, New York | 6 Bulldozer Blades | 8,250.00 | 7-29-42 | 8,250.00 F |
| 124 | 6-26 | Allis Chalmers Co. Springfield, Ill. | 6 Tractors<br>6 Crank Case Guards<br>6 Starting Equipment | 20,276.33 | 7-29-42 | 20,276.33 F |
| 126 | 6-29 | Chautauqua County Highway Dept. State of New York | 1 - 13 Ton Roller<br>1 - 12 Ton Roller<br>1 - Tractor & Bulldozer | 11,500.00 | 6-26-42 | 11,500.00 F |
| 132 | 7-21 | General Electric Schnectady, N. Y. | 1 - Diesel Locomotive | 51,850.00 | 1-1-43 | |
| 133 | 7-22 | Krueger Motor Sales Niagara Falls, N. Y. | 2 - 5 Ton Dump Trucks $4,621.23 each | 9,242.46 | 7-28-42 | 9,242.46 F |
| 134 | 7-22 | Krueger Motor Sales Niagara Falls, N. Y. | 2 - 2½ Ton 14' Stake body Trucks $3,208.92 each | 6,417.48 | 8-5-42 | 6,417.48 F |
| 135 | 7-22 | Autocar Sales & Service Buffalo, N. Y. | 3 - 2½ Ton 14' Stake body Trucks $3,150.00 each | 9,450.00 | 8-5-42 | 9,450.00 F |
| 136 | 7-22 | Autocar Sales & Service Buffalo, New York | 3 - Auto Tractors 142 In. Wheel Base $2,685.00 ea. | 8,055.00 | 8-15-42 | 8,055.00 F |
| 137 | 7-22 | Mack-International Truck Corp. Buffalo, New York | 2 - Platform Trucks with 20 lb. Winch | Change Ord. 8,935.72 | 8-11-42 | 8,935.72 F |
| 138 | 7-22 | White Motor Sales Co. Buffalo, New York | 2 - 5 Ton Dump Trucks $4,370.00 each | 8,740.00 | 8-5-42 | 8,740.00 F |
| 139 | 7-22 | Mack-International Truck Corp. Buffalo, New York | 3 - Model E. M. Mack Dump Trucks - 141" Chassis | 13,511.25 | 7-31-42 | 13,511.25 F |
| 140 | 7-. | The Autocar Sales & Service Co. Baltimore, Md. | 2 - Model C-90-D Dump Trucks Vacuum Brakes<br>3 - Model C-90-D Dump Trucks Air Brakes | 22,676.85 | 8-4-42 | 22,676.85 F |

DATED March 15, 1943

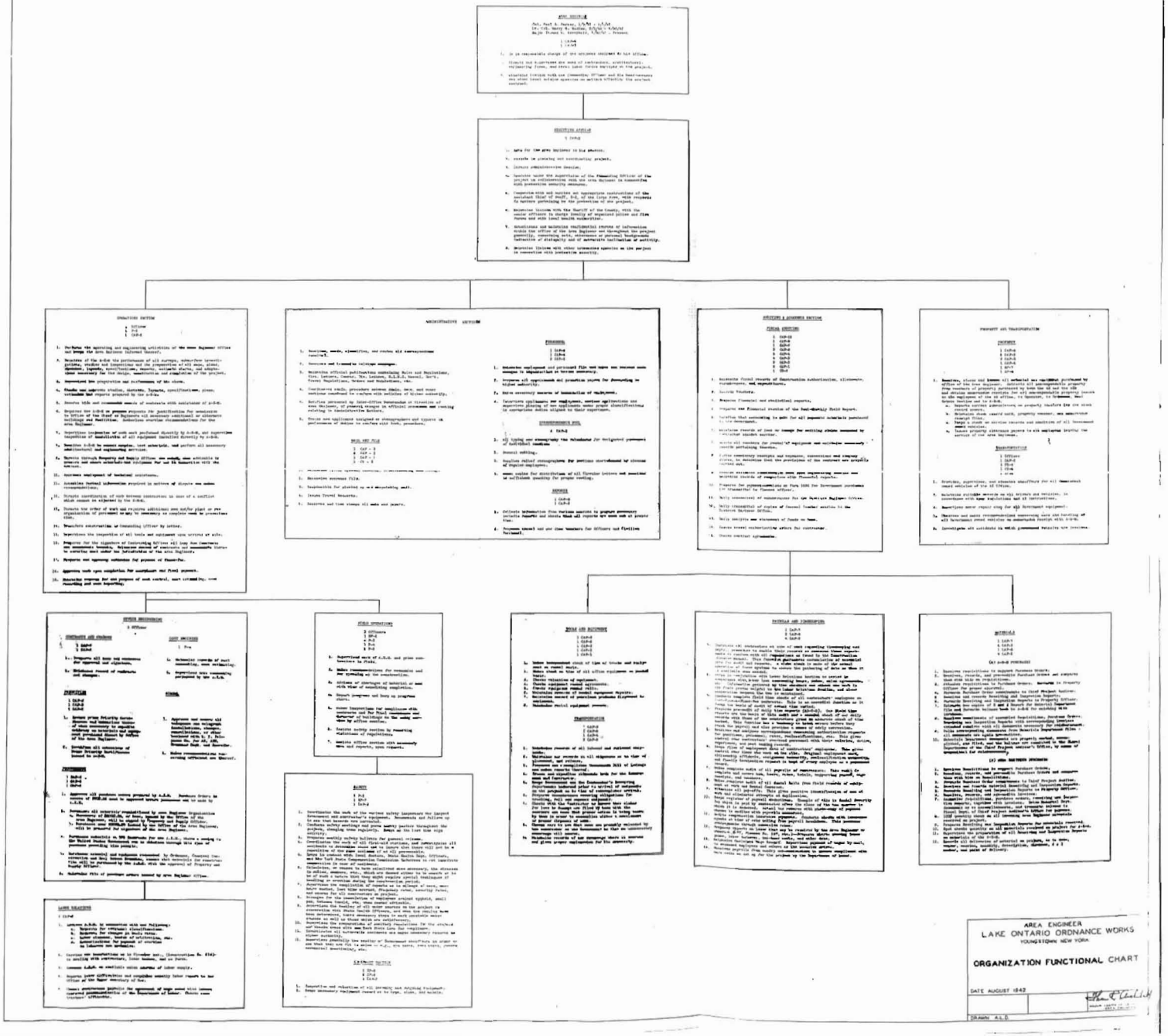
LAKE ONTARIO ORDNANCE WORKS

The J. G. White Engineering Corporation

SUPPLY CONTRACTS

| CONTRACT NO. DA-W-138 ENG- | DATE AWARDED | AWARDED TO | EQUIPMENT OR JOB | AMOUNT | FINAL INSPECTION OR DELIVERY DATE | PAYMENTS TO DATE | |
|---|---|---|---|---|---|---|---|
| 142 | 8-6 | Conshafter & Farr Buffalo, New York | 8 Special Delux Plymouth sedans $913.70 each. | $ 7,309.60 | 8-14-42 | $ 7,309.60 | F |
| 143 | 8-6 | Dow & Company Buffalo, New York | 1 Adams Diesel Motor Grader | 6,973.00 | 8-5-42 | 6,973.00 | F |
| 144 | 8-18 | H. Wetherald Buffalo, New York | 3 - 1942 Heavy Duty Dump Trucks<br>3 - Ross Model RV-2-21-Snow Plows | 11,998.80 | 11-19-42 | 11,998.80 | F |
| 145 | 8-21 | Niagara Falls Motoramp Garage Niagara Falls, N. Y. | Storage of cars | 147.21 | 9-13-42 | 147.21 | F |
| 146 | 8-25 | Wyoming County Highway Dept. Warsaw, N. Y. | 1 10-B Tractor with R-8 Bulldozer | 8,100.00 | 7-28-42 | | |
| 147 | 9-14 | New York Telephone Co. | Telephone Service at River Pumping Station | 23.18 | 6-4-42 | 23.18 | F |
| 151 | 10-28 | New York Telephone Co. | Telephone Service at River Pumping Station | 34.67 | 9-30-42 | 34.67 | F |
| | | | | 1,049,031.35 | | 999,081.35 | |

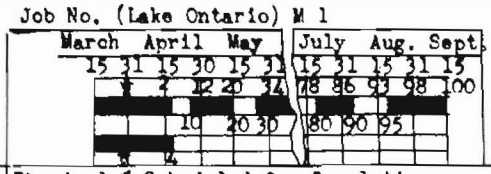
HEW/RCW
3/18/43


AREA ENGINEER
LAKE ONTARIO ORDNANCE WORKS
YOUNGSTOWN NEW YORK
ORGANIZATION FUNCTIONAL CHART
DATE AUGUST 1942

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1




FIELD PROGRESS REPORT
PART A

Sheet 1 of 3

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

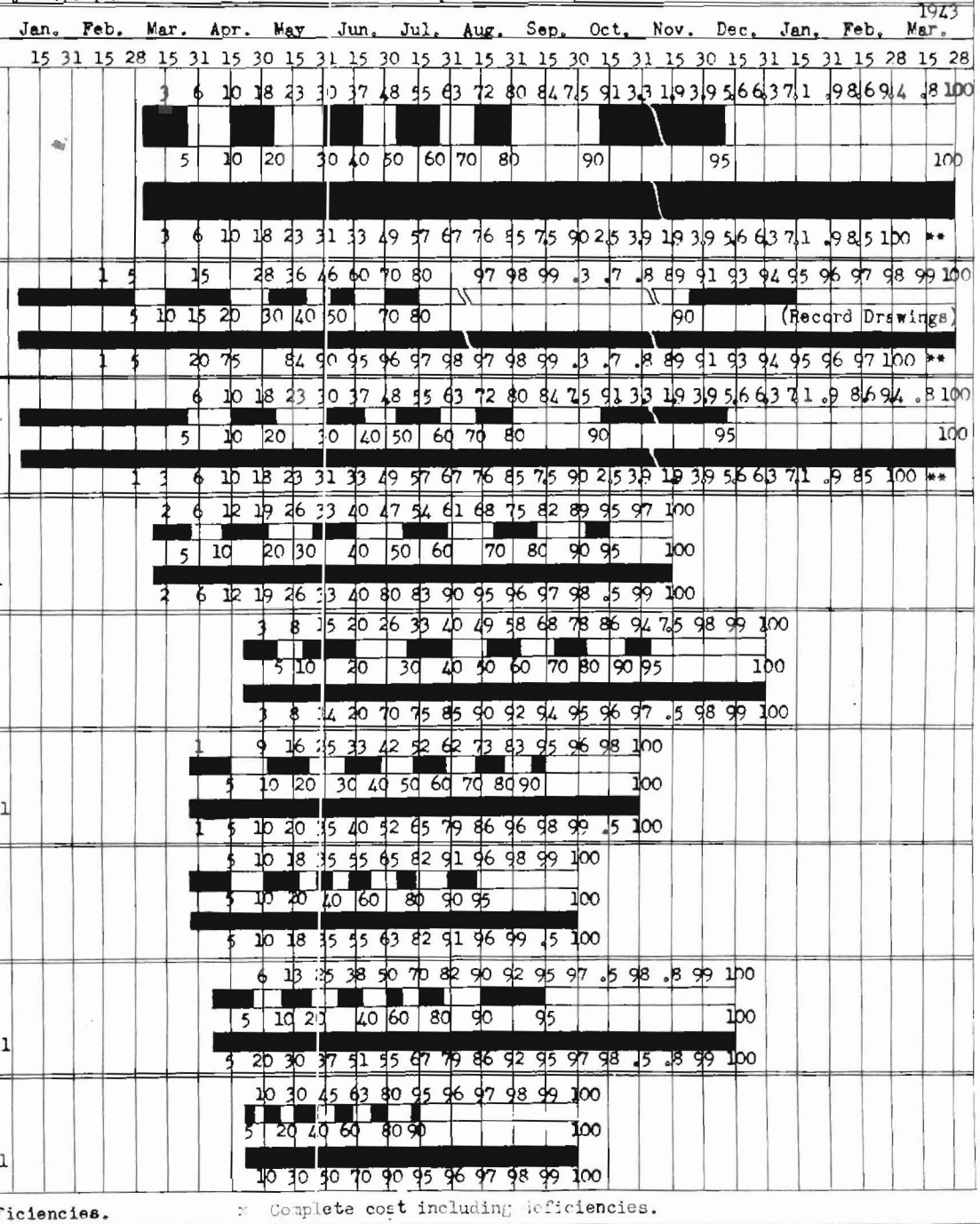
U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

| | | | | | |
|---|---|---|---|---|---|
| 1 | Physical % Scheduled for Completion | 99.4 | 10 | Allotments | $ 26,803,271 |
| 2 | Physical % Actually Completed | 100 ** | 11 | Estimated Cost Data | |
| 3 | Date Work Started | March 3, 1942 | | A.Cost of Work in Place End of Last Per. | $ 26,379,609 |
| 4 | Estimated Date Ready for Use | Sept.30,1942 * | | B.Cost of Work Placed During Period | 577,805 |
| 5 | Scheduled Completion Date | March 28, 1943 | | C.Cost of Work in Place End of This Per. | 26,957,414 x |
| 6 | Required Completion Date | March 28, 1943 | | D.Cost of Materials Delivered on Site, in Excess of Materials in (C). | 0 |
| 7 | A.Original Working Est.End of Last Period | $16,692,424 | | E.Materials Ordered but not Delivered in Excess of (C) & (D). | 0 |
| | B.Original Working Est.For Add.Work Auth. | 0 | | F.Contract and Subcontract Obligations for Work not yet Executed in Excess of (C), (D) & (E). | 0 |
| | C.Original Working Est.End of This Period | 16,692,424 | | G.Amount of Advances to Material Men and Subcontractors in Excess of Payments in (C) & (D) | 0 |
| 8 | A.Present Working Est. End of Last Period | $26,957,414 | | | |
| | B.Present Working Est.Revisions This Per. | 0 | | | |
| | C.Present Working Est.End of This Period | 26,957,414 | | | |
| 9 | Present Working Est. (A/E Work Only) | $ 1,235,217 | | H.Amount of Materials not yet Ordered Required to Complete Job. | 0 |

* Start up facilities available for use and transferred to Ordnance Dept. 9/30/42

WORK SCHEDULE

| WORK DIVISION | |
|---|---|
| Entire Project $26,957,414 | 100.0% |
| Engineering $912,000 | 3.38% |
| Supervision $323,217 | 1.20% |
| Clearing & Grubbing $251,559 | 0.93% |
| Site Grading $251,559 | 0.93% |
| Drainage $443,535 | 1.64% |
| Railroads $1,440,667 | 5.34% |
| Roads $1,934,583 | 7.18% |
| Parking Area $100,288 | 0.37% |




** Complete except for deficiencies.

x Complete cost including deficiencies.

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) W 1

FIELD PROGRESS REPORT
PART A (Cont'd.)

Sheet 2 of 3

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

## WORK SCHEDULE

| WORK DIVISION | | 1942 Jan. | Feb. | Mar. | Apr. | May | Jun. | July | Aug. | Sep. | Oct. | Nov. | Dec. | Jan. | Feb. | 1943 Mar. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 31 | 15 28 | 15 31 | 15 30 | 15 31 | 15 30 | 15 31 | 15 31 | 15 30 | 15 31 | 15 30 | 15 31 | 15 31 | 15 28 | 15 28 |
| Sewerage System $1,784,548 6.62% | Schedule | 2 6 12 18 37 60 80 90 95 99 .5 .6 .9 100 | | | | | | | | | | | | 5 45 80 100 | | |
| | Actual | 5 10 20 40 70 90 95 100 | | | | | | | | | | | | 20 50 90 | | |
| Add. Trade Waste Sewer 380.00 0.32% | Actual | 8 18 45 62 82 90 95 99 .3 .6 .9 100 | | | | | | | | | | | | 5 25 100 ** | | |
| Water System $3,739,271 13.87% | Schedule | 5 9 16 26 41 57 73 90 95 98 99 .6 99 .5 .9 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 20 40 50 60 80 95 100 | | | | | | | | | | | | | | |
| | | 1 2 3 6 7 22 34 55 80 90 95 98 99 .8 99 .5 .9 100 | | | | | | | | | | | | | | |
| Electric System $867,562 3.22% | Schedule | 5 10 20 40 55 70 83 85 87 90 97 8.5 84 92 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 30 50 60 80 95 100 | | | | | | | | | | | | | | |
| | | 1 10 20 40 55 68 83 90 95 96 97 98 .4 92 .9 100 | | | | | | | | | | | | | | |
| Telephone System $169,334 0.63% | | 1 7 14 21 29 37 45 53 61 69 77 84 90 95 98 .4 .5 100 | | | | | | | | | | | | | | |
| | | 5 10 20 30 40 50 60 70 80 90 95 100 | | | | | | | | | | | | | | |
| | | 1 7 14 21 29 37 45 53 61 69 77 84 90 95 65 84 .5 99 100 | | | | | | | | | | | | | | |
| Power Plant $1,131,634 4.20% | Schedule | 5 10 23 35 47 59 75 90 25 95 96 98 .5 95 .7 100 | | | | | | | | | | | | | | |
| | Actual | 5 20 30 40 60 80 95 100 | | | | | | | | | | | | | | |
| | | 1 5 10 26 35 55 75 85 91 93 96 97 98 93 .5 .7 100 | | | | | | | | | | | | | | |
| Acid Area Original Buildings And Structures $824,345 3.06% | Schedule | 5 13 23 40 60 75 85 91 92 93 .5 94 .5 95 75 98 99 100 | | | | | | | | | | | | | | |
| | Actual | 10 20 50 70 80 90 95 100 | | | | | | | | | | | | | | |
| | | 85 90 93 95 97 99 .5 .8 .9 75 99 .8 100 | | | | | | | | | | | | | | |
| Acid Area Additional Bldgs. and Structures $754,911 2.80% | Schedule | 5 10 20 30 40 50 64.5 72 74 79 84 89 94 99 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 20 30 40 50 60 70 80 90 95 100 | | | | | | | | | | | | | | |
| | | 5 10 25 35 45 50 64.5 70 74 77 84 89 90 100 ** | | | | | | | | | | | | | | |
| Sellite Plant $48,744 0.18% | Schedule | 3 17 30 45 56 70 85 93 95 98 99 100 | | | | | | | | | | | | | | |
| | Actual | 5 20 40 50 60 80 90 95 100 | | | | | | | | | | | | | | |
| | | 18 30 45 55 66 87 93 95 98 100 | | | | | | | | | | | | | | |
| TNT Line #1 $417,198 1.55% | Schedule | 4 9 18 33 50 65 81 92 95 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 20 40 60 80 90 95 100 | | | | | | | | | | | | | | |
| | | 5 35 65 80 89 95 99 99 99 100 | | | | | | | | | | | | | | |
| TNT Line #2 $417,198 1.55% | Schedule | 4 9 18 33 50 65 81 92 95 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 20 40 60 80 90 95 100 | | | | | | | | | | | | | | |
| | | 3 35 60 80 86 92 97 98 99 100 | | | | | | | | | | | | | | |
| TNT Line #3 $417,198 1.55% | Schedule | 3 8 10 20 35 50 67 85 95 99 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 20 40 60 80 90 100 | | | | | | | | | | | | | | |
| | | 5 30 60 74 78 85 95 97 98 99 100 | | | | | | | | | | | | | | |
| TNT Line #4 $417,198 1.55% | Schedule | 3 8 17 37 50 67 83 92 95 75 99 .5 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 20 40 60 80 90 95 100 | | | | | | | | | | | | | | |
| | | 10 30 60 65 75 90 96 97 98 99 .5 100 | | | | | | | | | | | | | | |
| TNT Line #5 $417,198 1.55% | Schedule | 2 6 10 20 33 50 66 85 95 98 99 .5 .7 100 | | | | | | | | | | | | | | |
| | Actual | 5 10 20 40 60 80 95 100 | | | | | | | | | | | | | | |
| | | 10 45 52 65 85 94 96 97 98 99 .5 .7 100 | | | | | | | | | | | | | | |

** Complete except for deficiencies.

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT
PART A (Cont'd)

Sheet 3 of 3

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

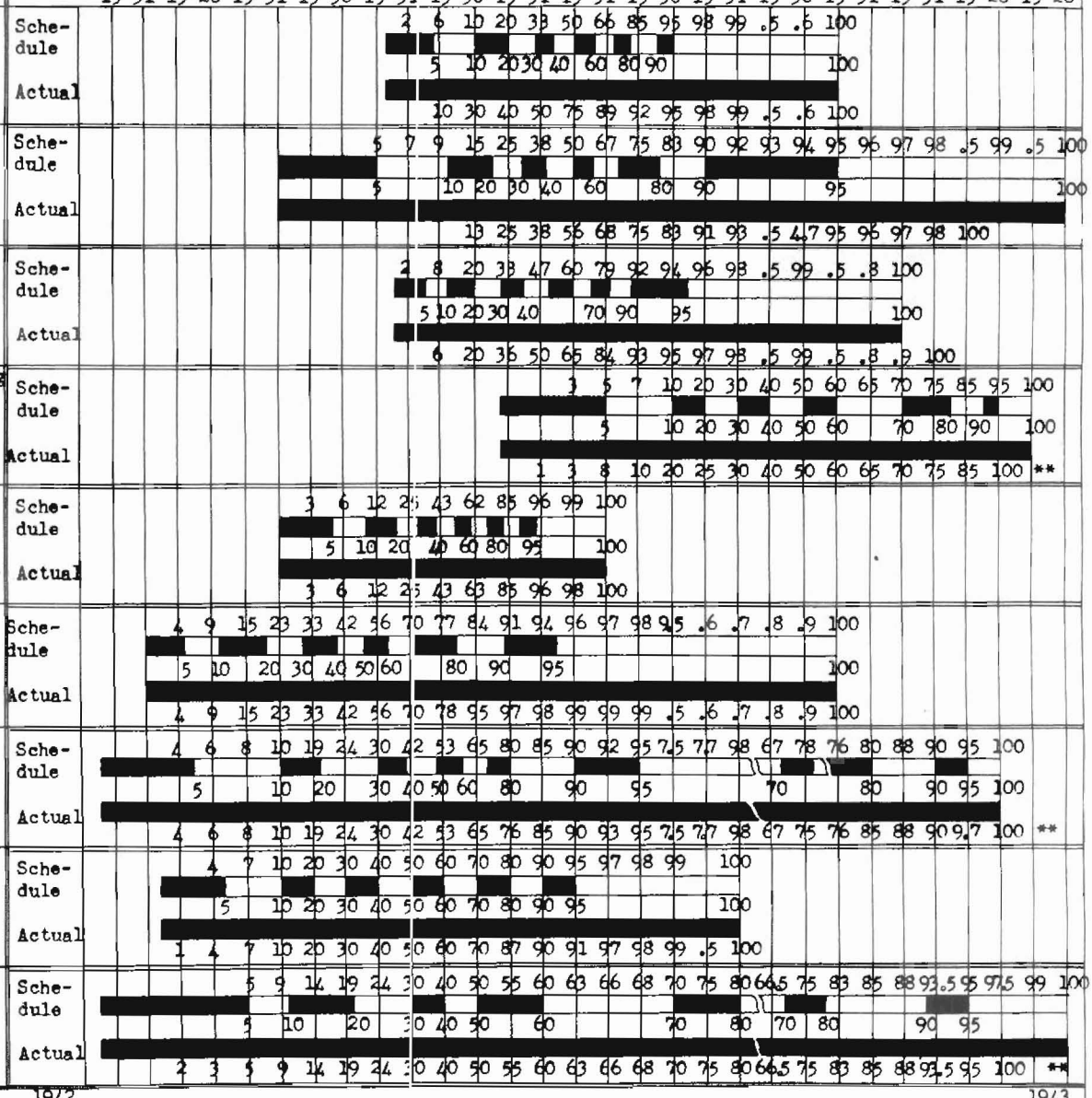
U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

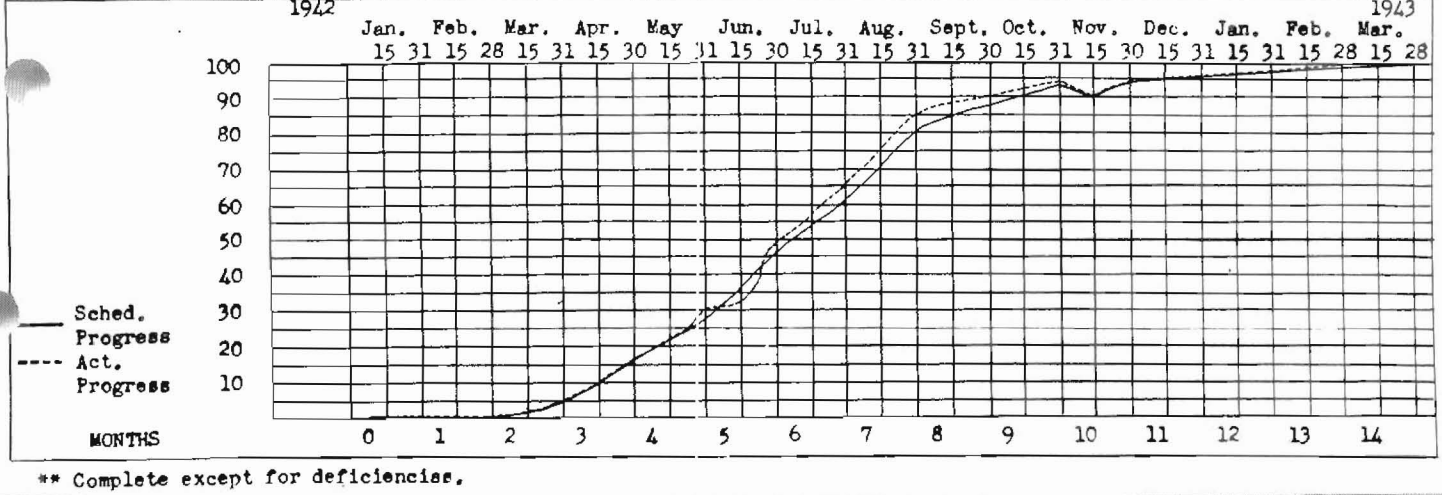
## WORK SCHEDULE

| WORK DIVISION | |
|---|---|
| TNT Line #6 $417,198 1.55% | Schedule / Actual |
| Process Piping $544,830 2.02% | Schedule / Actual |
| Install Manufacturing & Boiler Plant Equip. TNT, Acid, & Power $1,789,405 6.64% | Schedule / Actual |
| Install Manufacturing Equipment (Additional Work) TNT & Acid Areas $411,782 1.53% | Schedule / Actual |
| Igloos $841,611 3.12% | Schedule / Actual |
| Administration and Maintenance Buildings $1,865,136 6.92% | Schedule / Actual |
| Protection Facilities $183,986 0.68% | Schedule / Actual |
| Staff Residences $100,000 0.37% | Schedule / Actual |
| Miscellaneous Bldgs. & Facilities $3,653,303 13.55% | Schedule / Actual |

1942 Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec. 1943 Jan. Feb. Mar.

15 31 15 28 15 31 15 30 15 31 15 30 15 31 15 31 15 30 15 31 15 30 15 31 15 31 15 28 15 28






** Complete except for deficiencies.

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT

PART B - 4

Sheet 1 of 2

Job Name Lake Ontario Ordnance Works
Location Youngstown, N. Y.

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

I - ORDNANCE AND CHEMICAL WARFARE DEPOTS

| Type of Facility | Total Authorized No. | Total Authorized Area (Sq.Ft) | Ready for Use This Date No. | Ready for Use This Date Area (Sq.Ft) | Remarks |
|---|---|---|---|---|---|
| Inert Storage | | None | | | None |
| Above Ground Wags. | | None | | | None |
| Boos | 58 | 93,260 | 58 | 93,260 | |
| Mfg. Bldgs. | 34 | 83,409 | 34 | 83,409 | |
| Assembly Bldgs. | | None | | | None |
| Closed Equip.Stor. | 3 | 23,828 | 3 | 23,828 | |
| Sched.Equip.Stor. | | None | | | None |
| Open Equip.Stor. | | None | | | None |
| Adm. Bldg. | 1 | 20,059 | 1 | 20,059 | |
| Railroads | 14.5 | Miles | 14.5 | Miles | |
| Highways | 34.7 | Miles | 34.7 | Miles | |

II - ORDNANCE AND CHEMICAL WARFARE MANUFACTURING

| Type of Facility | Est. or Actual Date Operation | Required Date for Operation | Remarks |
|---|---|---|---|
| Administration Facilities | June 22,1942 | June 1, 1942 | All Admin. Facilities are in use. |
| Railroads | July 25,1942 | July 25,1942 | Completed |
| Highways | Sept.27,1942 | Sept.30, 1942 100% Usable. | 100% Complete Dec.11, 1942 |
| Power Plant | Sept.15-part Oct.15-compl. | Sept.30, 1942 99% Usable | 100% complete Jan. 15, 1943 |
| 1st ½ Production Storage | Aug.15, 1942 | Sept. 1, 1942 | Completed |
| 2nd ½ Production Storage | Sept. 1,1942 | Sept. 15,1942 | Completed |
| 2nd ½ Production Storage | Sept. 1,1942 | Sept.15, 1942 | Completed |

1. Description of Work:

A Plant for the manufacture of trinitrotoluene, more specifically described as follows:

This project consists of six complete TNT Lines with Nitration Houses, Absorption Towers, Wash Houses, Flake Houses, Administration Buildings, Shops, Railroads, Roads, Steam Lines, Air Lines, Electric Lines, Telephone Lines, Fencing, Lighting, Steam and Power Plants, Dormitories, Water System, Cafeterias, Guard Quarters, Fire Protection Apparatus and Housing, adequate Quarters for Firemen, and other Buildings, together with all equipment necessary or appropriate for a plant of this type. A nitric acid manufacturing plant using anhydrous ammonia is also to be constructed.

2. Authority of Work:

| Directive Job No. | Directive Consecutive No. | Date of Letter | Date Received by Dist. Eng. | Original Working Est. | Description & Remarks |
|---|---|---|---|---|---|
| (Lake Ontario) M 1-1 | 15 | 1/15/42 | 1/21/42 | $15,061,500.00 | Design and Construction of Plant for manufacturing of TNT |
| (Lake Ontario) M 1-1 | 15 Suppl. No. 1 | 3/21/42 | 3/23/42 | 680,250.00 | Deduct. Elimination of Power House Boilers |
| (Lake Ontario) M 1-2 | M-249 | 6/16/42 | 6/23/42 | 2,311,174.00 | Increase in capacity of TNT Lines |
| (Lake Ontario) M 1-2 | 15 Suppl. No. 2 | 9/5/42 | 9/8/42 | | Add. $3,000,000.00 To partially cover increase in estimated cost. |
| (Lake Ontario) M 1-2 | M-249 Suppl. No. 1 | 9/28/42 | 9/30/42 | | Add. $3,525,487.00 To partially cover the increase in Estimated Cost. |
| (Lake Ontario) M 1-3 | M-466 | 10/1/42 | 10/3/42 | | Alteration, Stables. Part Original Contract. |
| (Lake Ontario) M 1-2 | M-249 Suppl. No. 2 | 1/20/43 | 1/22/43 | | Add. $3,585,360.00 to partially cover the increase in Estimated cost. |

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT

PART B - 4 (Cont'd)

Sheet 2 of 2

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

3. Status of Plans and Specifications: (Including work as per Directive of June 16, 1942)

| | Date Started | % Compl. Plans | % Compl. Specs. | Date Complete | Date Approved | Reasons for Delay |
|---|---|---|---|---|---|---|
| Topographic Surveys | 1-12-42 | 100 | 100 | 2-25-43 | | |
| Topographic Map | 2 -5-42 | 100 | 100 | 5-30-42 | 6-30-42 | |
| Site Plan | 1-12-42 | 100 | none | 1-30-43 | 2-10-43 | |
| General Grading | 3 -1-42 | 100 | 100 | 11-21-42 | 12-8-42 | |
| Water Supply | 1-26-42 | 100 | 100 | 9-15-42 | 10-1-42 | |
| Water Distribution | 3 -1-42 | 100 | 100 | 9-15-42 | 10-1-42 | |
| Water Storage | 5 -1-42 | 100 | 100 | 9-15-42 | 10-1-42 | |
| Sanitary Sewer System | 6 -6-42 | 100 | 100 | 9-15-42 | 10-1-42 | |
| Drainage | 3 -1-42 | 100 | 100 | 11-1-42 | 11-11-42 | |
| Railroads | 2-19-42 | 100 | 100 | 9-12-42 | 10-1-42 | |
| Roads | 3 -1-42 | 100 | 100 | 11-25-42 | 10-8-42 | |
| Electric Distr. System | 3-15-42 | 99 | 100 | | | Additional details required from time to time. |

4. Factors Delaying Work:

Delays in deliveries of manufacturing equipment.

5. Passive Protection Measures:

As this station lies outside of the "critical areas" defined by Circular Letter No. 1086 (Construction Division No. 256) and Circular Letter No. 1375 (Construction Division No. 361), no passive protection is being provided.

6. Approval:

This report, consisting of Part A ( 3 sheets), Part B( 2 sheets), Part C ( 1 sheet), Part D ( 11 sheets), and Part E ( 12 sheets), is hereby approved.

THE J. G. WHITE ENGINEERING CORPORATION:

Allen B Ward
Asst. Project Manager

Thomas R. Archibald
Area Engineer

Name Allen B. Ward

March 3, 1943

Asst. Project Manager's Home Address Red Coach Inn, Niagara Falls, N. Y.

Home Telephone Niagara Falls 8431

Thomas R. Archibald
Major, Corps of Engineers

March 3, 1943

Area Engineer's Home Address Jefferson Apts., Niagara Falls, N. Y.

Home Telephone Niagara Falls 6100

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

# FIELD PROGRESS REPORT

PART C

Sheet 1 of 1

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

## I - EMPLOYMENT, MAN-HOURS, AND PAYROLLS AT THE SITE

| | PROJECT EMPLOYEES | No. of Employees | Acc. Man-Hours Reported End of Last Per. | Man Hours Current Period | Acc. Man Hours End of this Period | Acc. Pay-Roll Rptd. End of Last Period | Pay-Roll Current Period | Acc. Pay-Roll End of This Period | Est. *No. of Employees next per. | Est. * Man Hours Next Period |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Archt. Eng.-Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | (a) Professional | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | (b) Construction | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | [illegible] Eng, Off. Total | 65 | 314,250 | 12,998 | 327,248 | 268,369 | 13,695 | 282,064 | 48 | 9,720 |
| 5 | Officer | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 6 | Civilian Total ** | 61 | 314,250 | 12,998 | 327,248 | 268,369 | 13,695 | 282,064 | 45 | 9,720 |
| 7 | Job | 9 | 80,092 | 1,918 | 82,010 | 68,743 | 2,020 | 70,763 | 8 | 1,728 |
| 8 | Engineering | 2 | 18,680 | 426 | 19,106 | 15,544 | 449 | 15,993 | 2 | 432 |
| 9 | Overhead ✓ | 50 | 215,478 | 10,654 | 226,132 | 184,082 | 11,226 | 195,308 | 35 | 7,560 |
| 10 | Hired Labor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | W.P.A. x | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Contr. & Subs. Total | 778 | 8,665,080 | 166,536 | 8,831,616 | 11,925,917 | 261,643 | 12,187,560 | 344 | 142,805 |
| 13 | L.Sum & U.Price Contr. | 71 | 1,713,352 | 16,534 | 1,729,886 | 2,304,639 | 49,629 | 2,354,268 | 63 | 20,950 |
| 14 | F.F.Contr.- Employees | 194 | 1,280,904 | 39,375 | 1,320,279 | 2,514,070 | 74,693 | 2,588,763 | 18 | 27,545 |
| 15 | AEM Employees | 513 | 5,670,824 | 110,627 | 5,781,451 | 7,107,208 | 137,321 | 7,244,529 | 263 | 94,310 |
| 16 | F.F.Contr.& AEM Total | 707 | 6,951,728 | 150,002 | 7,101,730 | 9,621,278 | 212,014 | 9,833,292 | 281 | 121,855 |
| 17 | Job | 574 | 6,044,755 | 121,802 | 6,166,557 | 8,101,542 | 172,155 | 8,273,697 | 160 | 85,039 |
| 18 | Engineering | 48 | 434,612 | 10,200 | 444,812 | 734,797 | 14,417 | 749,214 | 40 | 13,320 |
| 19 | Overhead ✓ | 85 | 472,361 | 18,000 | 490,361 | 784,939 | 25,442 | 810,381 | 81 | 23,496 |
| 20 | Proj. Employees Total | 843 | 8,979,330 | 179,534 | 9,158,864 | 12,194,286 | 275,338 | 12,469,624 | - 392 | 152,525 |
| 21 | Job | 654 | 7,838,199 | 140,254 | 7,978,453 | 10,474,924 | 223,804 | 10,698,728 | 231 | 107,717 |
| 22 | Engineering | 50 | 453,292 | 10,626 | 463,918 | 750,341 | 14,866 | 765,207 | - 42 | 13,752 |
| 23 | Overhead | 139 | 687,839 | 28,654 | 716,493 | 969,021 | 36,668 | 1,005,689 | - 119 | 31,056 |

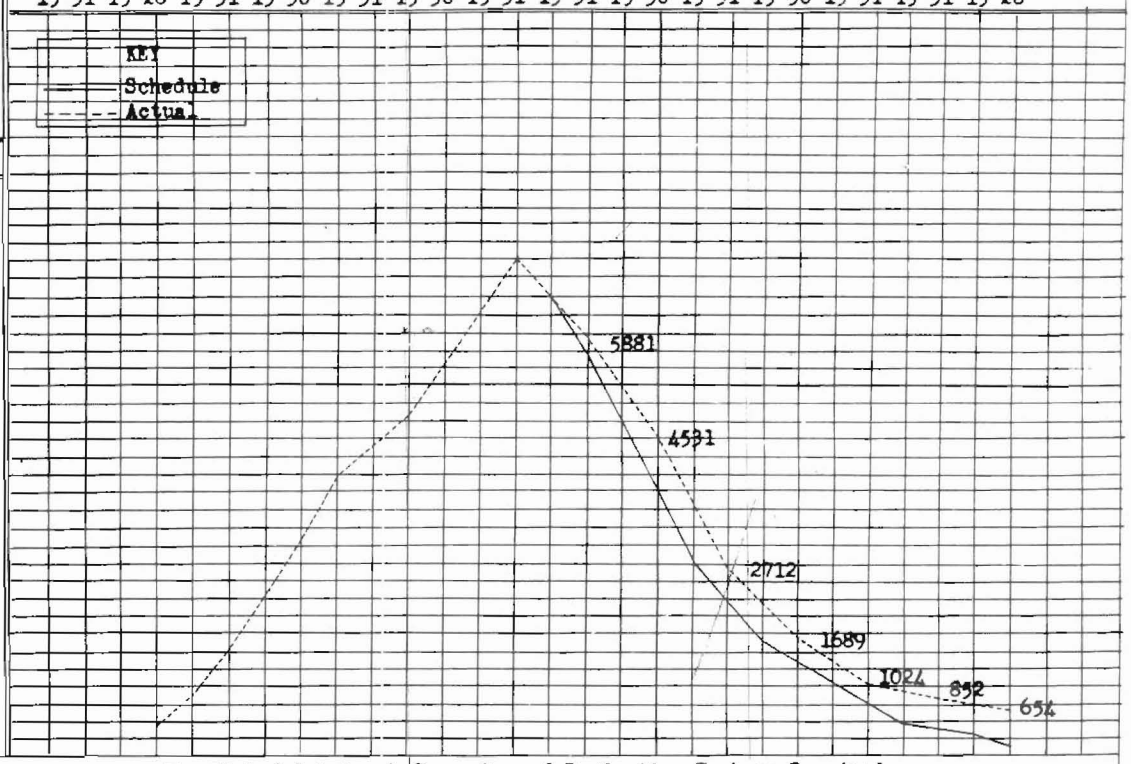
Line 21 = 7/10/11/13/17
Line 22 = 1/8/18
Line 23 = 5/9/19
Line 20 = 21/22/23/ = 1/4/10/11/12
Line 16 = 14/15 = 17/18/19
Line 1 = 2/3
Line 4 = 5/6 - 5/7/8/9
Line 12 - 13/14/15

* For clearing Construction deficiencies and engineering and overhead to April 3, 1943.
** Excludes 10 employees on terminal leave. x Figures based on Payroll of Feb. 20, 1943.

## II - LABOR

1. Efficiency is av[illegible]ge except for laborers, which class is below average.
2. No shortage of employees is expected for remainder of this job.

## III FORCE SCHEDULE




The "Schedule" Graph Shows No. of Productive Workers Required.
The "Actual" Graph Shows Employees on Payroll (Including sick, absent, etc.), but excludes engineering and overhead, per div. Memo. No. 155, dated 10/14/42.
Number of employees (654) as shown in graph, is line 21.

ODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT

PART D

Sheet 1 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp. | Physical Percentage Sched. | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-1 | J. G. White Engineering Corp. 80 Broad Street New York, N. Y. | Architect-Engineer-Manager Negotiated-Cost Plus Fixed Fee. Directive of June 16 increased amount. Letter of Aug. 8 OCE extends completion date | 18,881,097.13 | Jan.13 Approved | Jan. 8 | Mar. 28 1943 | Mar. 28 1943 | 98.7 | 98.7 |
| DA-W-138 Eng-7 | Balling Brothers 401 Bennett Street North Tonawanda, N. Y. | Construction of Foundation for Main Administration Building. Negotiated Lump Sum-Constr. Change Order No. 1 Completion date extended | F 6,971.00 | Mar. 2 Awarded | Mar. 3 | May 5 | May 5 A | 100 | 100 |
| DA-W-138 Eng-12 | Cooney Brothers, Inc. Tarrytown, N. Y. | Batch aggregatee on Site, mix and distribute concrete. Negotiated-Unit Price-Constr. Change Order No. 1 added cost of P.&P. bonds $830.28 Change Order No. 2 added grout to be purchased on P. O. Amount $277,590.28 Change Order No. 3 decreases amount to $276,573.76 Change Order No. 4 reduces amount to<br>Overrun<br>Total Cost | 276,388.80<br>141,611.20<br>418,000.00 | Mar. 7 Awarded | Mar. 13 | Nov. 7 | Nov. 7 A | 100 | 100 |
| DA-W-138 Eng-13 | Poirier-McLane Corporation 33 W. 42nd Street New York, New York | Concrete Magazines. Negotiated-Lump Sum-Constr. Changes before contract signed--<br>Air Terminals $2525.90<br>Floor Covering 4350.00<br>Change Order No. 1 - Credit $7.48 per cu. yd. Change Order No. 2 increases Estimate $60,000.00 Change Order No. 3 changes time of completion to Sep.1 Change Order No. 4 decreases amount to $568,280.84 and extends completion date Change Order No. 5 decreases amount to<br>Overrun<br>Total Cost | 564,244.86<br>11,633.00<br>F 575,877.86 | Mar. 14 Awarded | Apr. 1 | Sept.12 | Sept.12A | 100 | 100 |
| DA-W-138 Eng-14 | A. S. Wikstrom Bound Brook, New Jersey | Railroad. Negotiated-Unit Price-Constr. $3947.65 added to original amount prior to signing of contract by negotiation with contractor.$561,685.25 Change Orders 2 & 3 increase amount to $609,065.20 Change Order No. 4 increases amount to $612,110.20 and changes completion date Change Order No. 5 no change Change Order No. 6 decreases amount and extends time to 9/12<br>Underrun<br>Total Cost | 609,868.16<br>113,875.70<br>F 495,992.46 | Mar. 18 Awarded | Mar. 27 | Sept.12 | Sept.12A | 100 | 100 |

F - Final Payment

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT

PART D

Sheet 2 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp. | Physical Percentage Sched | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-15 | Wright & Kremers, Inc. Pine Ave. & Main St. Niagara Falls, N. Y. | Main Office Building Negotiated-Lump Sum-Constr. Amount increased before contract executed $545.00 Change Order No. 1 Apr. 30, 1942 Change Order No. 2 partitions added $6540.00. Change Order No. 3 May 14, 1942, reduction $40.50. C.O.#4 deduct $2150.00 F | 116,848.50 | Mar. 21 | Mar. 21 | May 30 | June 4 A | 100 | 100 |
| DA-W-138 Eng-16 | Dump Truck Service, Inc. 50 Wecker Street Buffalo, N. Y. | Drainage (Open Ditch) Negotiated-Lump Sum-Constr. $213,300.00 Change Order No. 1 decreases amount to<br>Underrun<br>Total Cost F | 213,147.23<br>50,371.87<br>162,775.36 | Mar. 21 Awarded | Mar. 27 | Sept.19 | Sept.15A | 100 | 100 |
| DA-W-138 Eng-19 | American Steel & Wire Co. 1403 Liberty Bank Bldg. Buffalo, N. Y. | Guard Fence. Negotiated-Lump Sum Constr. Cyclone Fence. Division of American Steel & Wire Co. Change Order No. 1 extends completion date indefinitely. Change Order No. 2 increases amount to $58,353.20 Change Order No. 3 increases amount to and fixes completion date | 59,985.16 | Mar.25 Awarded | Apr. 2 | Dec. 10 | Dec.10 A | 100 | 100 |
| DA-W-138 Eng-23 | Bison Contracting Corp. 493 Washington Highway Snyder, New York | Drinking Water System. Negotiated-Unit Price-Constr. $34,420.00 Change Order No. 1 extends completion date Change Order No. 2 increases amount to and extends completion date to Aug. 8 Overrun<br>Total Cost | 34,703.57<br>455.70<br>F 35,159.27 | Mar.30 Awarded | Apr. 1 | Aug. 8 | Aug.8A | 100 | 100 |
| DA-W-138 Eng-24 | William J. Gallagher, Inc. 510 Orient St. Medina, New York | Roads and grading Negotiated-Unit Price-Constr. $851,925.00 Change Order No. 1 no change in cost Change Order No. 2 increase in Estimate $99,430.00 Total $951,335. Change Ord. No. 3 increases amount to $1,047,395.00 Change Order No. 4 no change in time or amount Change Order No. 5 increases amount to $1,058,895.00 and extends completion date Change Order No. 6 decreased amount to<br>Underrun<br>Total Cost | 1,007,045.81<br>25,537.08<br>F 981,508.73 | Apr. 1 | Apr. 1 | Nov. 7 | Nov. 7A | 100 | 100 |

F - Final Payment

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT

PART I

Sheet 3 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp | Physical Percentage Sched | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-26 | Poirier-McLane Corp. 33 W. 42nd Street New York, N. Y. | General and Boiler House Foundations. Negotiated-Lump Sum and Unit Price-Constr. $77,371.00 Change Order No. 1 Increase in estimated cost and Unit Price to $228,305.10 Revised Change Order No. 1 increased contract to $263,916.10 Change Order No. 2 changes completion date to July 31, 1942 Change Order No. 3 increases amount to | F 291,631.95 | Apr. 1 Awarded | Apr. 3 | July 31 | July 31A | 100 | 100 |
| DA-W-138 Eng-36 | Balling Brothers 401 Bennett Street North Tonawanda, N. Y. | Administration Group Negotiated-Lump Sum-Constr. $145,344.00 Change Order No. 1 Removing of partitions Change Order No. 2 change in plans on building #702 Change Order No. 3 completion date extended and amount increased $4,181.56 Change Order No. 4 increased amount $4710.91 Change Order No. 5 Increased amount $1271.60 Change Order No. 6 increased amount $403.00 Change Order No. 7 increased amount $121.00 Change Order No. 8 decreases amount to $155,999.07 Change Ord. No. 9 decreases amount to and extends completion date | 153,921.57 F | Apr. 17 | Apr. 17 | Change Ord. #9 Oct. 26 | Aug. 3 A | 100 | 100 |
| DA-W-138 Eng-40 | General American Transportation Co. Sharon, Pennsylvania | Erecting 14 Steel Tanks in Acid Area. Negotiated-Lump Sum-Constr. $32,932.06 Change Order No. 1 decreased amount to $32,739 Change Order No. 2 decreases amount to | F 32,527.76 | Apr. 20 Awarded | May 16 | July 25 | July 20A | 100 | 100 |
| DA-W-138 Eng-58 | Schieve Construction Co. Buffalo, N. Y. | Steel erection for Boiler House, Acid Area and TNT Area Negotiated-Lump Sum and Unit Price-Constr. $45,105.00 Change Order No. 1 extende completion date Change Order No. 2 extends completion date Change Order No. 3 increased amount $219.18 Change Order No. 4 decreases amount, extends time to 7/25<br>Underrun<br>Total Cost | 45,379.93<br>1,902.31<br>F 43,477.62 | Apr. 27 | May 6 | July 25 | July 22A | 100 | 100 |

F - Final Payment

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT

PART D

Sheet 4 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp | Physical Percentage Sched | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-60 | The W. F. Hendrich Co. 775 Main Street Buffalo, N. Y. | Construction of Buildings in Shop Area. Negotiated Lump Sum-Conatr. $402,108. Change Order No. 1 extends completion date. Change Order No. 2 increases amount to $402,626.00 Change order No. 3 increases amount to $405,297.00 Change Crder No. 4 no cost Change Order No. 5 decreases amount to $405,283.32 Change Crder No. 6 decreases amount to $405,150.72 Change Crder No. 7 extends completion date to Aug. 10 and decreases amount to | F 404,782.43 | Apr. 25 | Apr. 26 | Aug. 10 | Aug. 7 A | 100 | 100 |
| DA-W-138 Eng-62 | O. G. Kelley & Co. Neponset Station Boston, Mass. | Furnish and Install chemical lead in TNT & Acid Areas Negotiated-Unit Price-Constr. .095 Labor .085 Mat. per lb. Change Order No. 1 increases scope of work Change Order No. 2 extends completion date to Nov. 1 Change Order No. 3 extends completion date to Dec. 31 Change Order No. 4 extends completion date Change Order No. 5 increases scope of work<br>Overrun<br>Total Cost | 41,800.00<br>100,200.00<br>142,000.00 | Apr. 29 Awarded | June 15 | 10 days after last tank and/or piping is available. | Feb. 27 1943 | 100 | 100 |
| DA-W-138 Eng-64 | American Automatic Electric Sales Company 1033 W. Van Buren Chicago, Ill. | Furnish and Install telephone apparatus. Negotiated-Lump Sum-Constr. Change Order No. 1 no increase Change Order No. 2 reduced amount, $34,961.00 to<br>Change Order No. 3 extends completion date | 34,906.81 F | Apr. 29 | Apr. 29 | Oct. 10 | Oct. 7 A | 100 | 100 |
| DA-W-138 Eng-67 | Anchor Post Fence Company Baltimore, Maryland | Erection of boundary and wood fence. Negotiated-Lump Sum and Unit Price-Constr. $20,226.18 Change Order No. 1 extends comp. date to Sept. 21 Change Order No. 2 increases amount to<br>and extends comp. date<br>Underrun<br>Total Cost | 20,637.69<br>2,513.88<br>F 18,123.81 | May 13 Awarded | June 26 | Change Ord. #2 Sept.23 | Sept.21A | 100 | 100 |
| DA-W-138 Eng-69 | Chicago Bridge & Iron Co. 1700 Wlanut Street Philadelphia, Pa. | Erection of Tanks Negotiated-Lump Sum and Unit Price-Constr. $27,880.00 Change Order No. 1 changes completion date to Aug. 15 Change Order No. 2 decreases amount to | F 27,580.46 | May 12 Awarded | June 1 | Aug. 15 | Aug.13A | 100 | 100 |

F = Final Payment

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario ) M1

FIELD PROGRESS REPORT

PART D

Sheet 5 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp. | Physical Percentage Sched. | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | ( ) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-70 | Pittsburgh DeMoines Steel Co. 270 Broadway New York, New York | Erection of steel tanks Negotiated-Lump Sum and Unit Price Constr. | F 12,000.00 | May 18 | June 10 | Aug. 4 | Aug.13 A | 100 | 100 |
| DA-W-138 Eng-71 | Rohrer Electrical Company 1313 Main Street Niagara Falls, N. Y. | Electrical work (27 bldgs.) Negotiated-Lump Sum and Unit Price-Constr. $19,800. Change Order No. 1 increases amount to $20,545.00 and extends completion date to Aug. 15 Change Order No. 2 increases amount to $20,945. and extends time to Sept.30 Change Order No. 3 increases amount to and extends completion date | 21,578.00 F | May 9 Awarded | May 19 | Nov. 10 as bldgs are compl. by force account | Nov.10A | 100 | 100 |
| DA-W-138 Eng-72 | Buffalo Niagara Electric Corp. Buffalo, N. Y. | Installation of Power Lines Negotiated Installation Contract | F 45,701.04 | July 2 Awarded | July 6 | Aug. 1 | Sept.11 A | 100 | 100 |
| DA-W-138 Eng-74 | George E. Schank 116-16th Street Buffalo, N. Y. | Plumbing work (27 bldgs.) Negotiated-Lump Sum and Unit Price-Constr. $56,418.60 Change Order No. 1 increases amount to $57,238.60 Change Order No. 2 increases amount to $60,708.60 Change Order No. 3 increases amount to $63,458.60 Change Order No. 4 increases amount to and changes completion date | F 66,301.81 | May 12 Awarded | May 19 | Nov. 7 | Nov. 7A | 100 | 100 |
| DA-W-138 Eng-77 | Chattanooga Boiler & Tank Co. Chattanooga, Tenn. | Erection of tanks Negotiated-Lump Sum and Unit Price-Constr. | F 17,050.00 | May 19 | May 30 | Aug. 30 | Aug.15 A | 100 | 100 |
| DA-W-138 Eng-78 | Chemical Construction Co. 30 Rockefeller Plaza New York, N. Y. | Erection of Sellite Plant Negotiated-Lump Sum and Unit Price Constr. $37,930. Change Order No. 1 extends completion date Change Order No. 2 decreases amount to $35,374.31 Change Order No. 3 decreases amount to | F 34,748.79 | May 18 Awarded | June 15 | Oct. 12 | Oct.29A | 100 | 100 |
| DA-W-138 Eng-79 | H. F. Darling Williamsville, New York | Fabricating and installing Water Lines. Negotiated-Lump Sum and Unit Price-Constr. Supplemental Report correcting amount of contract from $548,260.00 to $542,850.00 Change Order No. 1 no increase Change Order No. 2 extends completion date Change Order No. 3 deduct $87,695.00 Change Order No. 4 add $5,400.00 Change Order No. 5 joins S.A. Contract to Contract. Total $465,715.60 Revised Change Order No. 6 increases amount to $486,761.10 Revised Change Order No. 7 decreases amount to $481,811.98 Correct-Revised Change Ord. No. 8 decreases amount to $481,613.89 Change Order No. 9 decreases amount to and changes completion date | 462,874.78 | May 15 Awarded | June 9 | Dec. 12 | Dec.12 A | 100 | 100 |

ODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M1

FIELD PROGRESS REPORT

PART D

Sheet 6 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp. | Physical Percentage Sched. | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-82 | Otis Elevator Company 775 Main Street Buffalo, N. Y. | Installation of Electric Dumb Waiters. Negotiated-Lump Sum and Unit Price-Constr. $4,587.42 Change Order No. 1 decreases amount to $4,126.68 Change Order No. 2 increases amount to $4,779.24 and extends completion date Change Order No. 3 increases amount to $4,896.45 Corrected Change Order No. 3 decreases amount to | F 4,889.92 | May 18 Awarded | June 23 | 5 days after receipt of critical materials | Nov.18 A | 100 | 100 |
| DA-W-138 Eng-83 | Poirier-McLane Corp. 33 W. 42nd Street New York, N. Y. | Installation of Water Distribution System Negotiated-Lump Sum and Unit Price-Constr. $160,887.00 Change Order No. 1 completion date Aug. 20 Change Order No. 2 extends completion date Change Order No. 3 increases amount to and extends completion date | 171,125.56 | May 19 Awarded | June 1 | Oct. 8 | Oct. 7 A | 100 | 100 |
| | | Underrun | 831.59 | | | | | | |
| | | Total Cost | F 170,293.97 | | | | | | |
| DA-W-138 Eng-84 | O'Connell Electric Co. Rochester, N. Y. | Installation of primary Distribution System, etc. Negotiated-Lump Sum and Unit Price-Constr. Change Order No. 1 extends completion date to Sept.15 Change Order No. 2 extends completion date | 61,450.00 | May 21 | June 16 | 14 days after receipt of critical materials | Dec.9 A | 100 | 100 |
| | | Overrun | 10,000.00 | | | | | | |
| | | Total Cost | 71,450.00 | | | | | | |
| DA-W-138 Eng-86 | "Autometic" Sprinkler Corp. of America 402 Curtis Building Buffalo, New York | Installation and completion of eprinkler systems. Negotiated Lump Sum and Unit Price-Constr.$21,357. Change Order No.1 decreased amount to $21,230.43 Change Order No. 2 changes completion date to 7 days after last bldg. ie ready Change Order No. 3 changee completion date to Sept. 12 for #803 Buildinge and increased amount to | 24,261.23 | May 26 Awarded | June 9 | Sept.12 for #803 buildings | Sept.19A | 100 | 100 |
| | | Overrun | 6,201.25 | | | | | | |
| | | Total Cost | F 30,462.48 | | | | | | |
| DA-W-138 Eng-88 | Merritt-Chapman & Scott Corporation 1348 Standard Building Cleveland, Ohio | Marine work - process water supply and waste water discharge. Negotiated-Lump Sum and Unit Price-Constr. $233,145.50 Change Order No. 1 increases amount to and extends completion date | 237,791.10 F | May 27 Awarded | June 9 | Aug. 20 | Aug.15 A | 100 | 100 |

F - Final Payment

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) [illegible]

[illegible]

Sheet 7 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February [illegible], [illegible]

[illegible] DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date: Awarded Approved | Date: Work Started | Date: Sched. to Be comp. | Date: Est. to Be comp. | Physical Percentage: Sch. | Physical Percentage: Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-89 | C. H. Kremers & Son 4003 Glenn Street Niagara Falls, N. Y. | Heating 24 buildings. Negotiated-Lump Sum and Unit Price-Constr. $31,658. Change Order No. 1 decreased amount to $30,516.24 Change Order No. 2 increased amount to $30,917.04 Change Order No. 3 extends completion date to 7 days after last bldg. is ready for heat insulation Change Order No. 4 decreases amount to | F 30,836.39 | May 28 Awarded | June 1 | 7 days after last bldg. is ready | Oct.20A | 100 | 100 |
| DA-W-138 Eng-92 | American Steel Band Co. P. O. Box 565 Pittsburgh, Penn. | Roofing and Siding for Boiler House No. 401. Negotiated-Lump Sum and Unit Price-Constr. $21,108.50 Change Order No. 1 increased amount to $21,812.50 Change Order No. 2 decreases amount to $20,588.50 Change Order No. 3 extends comp. date Change Order No. 4 decreases amount to | F 20,180.82 | May 28 | July 18 | 14 days after ready for flashing | Oct.10 A | 100 | 100 |
| DA-W-138 Eng-93 | W. B. Neill, Inc. 30 Vesey Street New York, N. Y. | Erection of Coal Silos. Negotiated-Lump Sum and Unit Price-Constr. $46,280. Change Order No. 1 decreases amount to $38,315.00 Change Order No. 2 extends completion date of one silo to Aug. 12. Change Order No. 3 decreases amount to $35,520.62 Change Order No. 4 extends completion date Change Order No. 5 decreases amount to | F 34,499.45 | May 28 Awarded | June 17 | 14 days after coal conveyor floor is complete | Oct.14 A | 100 | 100 |
| DA-W-138 Eng-94 | The W.F. Hendrich Co., Inc. 775 Main Street Buffalo, N. Y. | Construction of sewage disposal plant. Negotiated-Lump Sum and Unit Price-Constr. $146,430.00 Change Order No. 1 time extension. Change Order No. 2 increased amount to $146,813.75 Change Order No. 3 decreases amount to $143,529.71 Change Order No. 4 reduces amount to | F 142,695.75 | May 28 Awarded | June 1 | Aug. 24 | Aug.20A | 100 | 100 |
| DA-W-138 [illegible]95 | McLain Construction Corporation 1209 Hertel Avenue Buffalo, N. Y. | Substructure of Pumping Station including Land Section of Intake and Land Section of Waste Water Discharge. Negotiated-Lump Sum and Unit Price-Constr. $349,460.00 Change Order No. 1 no change in amount Change Order No. 2 no change in amount Change Order No. 3 extends completion date to Sept. 25 Change Order No. 4 decreases amount to $330,132.37 Change Order No. 5 increases amount to | F 348,944.59 | June 1 Awarded | June 2 | Sept.25 | Oct.8 A | 100 | 100 |

F - Final Payment

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) W 1

FIELD PROGRESS REPORT

PART D

Sheet 8 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp. | Physical Percentage Sched. | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-96 | Paul J. Frez Company 444 North LaSalle St. Chicago, Illinois | Heat Insulation & Pipe Covering Negotiated-Lump Sum and Unit Price $122,538. Change Order No.1 increases amount to $122,861.80 Change Order No. 2 increases amount to $122,961.86 Change Ord. Nos. 3 & 4 change Unit Prices Change Order No.5 increases amount to | 123,112.00 | June 18 | July 6 | 5 days after pipe complation | Cancelled Jan.29A | 100 | 100 |
| | | Overrun | 62,249.19 | | | | | | |
| | | Total Cost F | 185,361.19 | | | | | | |
| DA-W-138 Eng-99 | Herbert F. Darling 131 California Drive Williamsville, N. Y. | Sewage Collection System Negotiated-Lump Sum and Unit Price-Constr. $416,934.81 Change Order No. 1 no increase Change Order No. 2 increases amount to $419,514.81 Change Order No. 3 completion time 10 days after receipt of critical materials Change Order No. 4 increases amount to $498,264.81 Change Order No. 5 increases amount to | 502,090.97 | June 5 | June 8 | 10 days after receipt of critical materials | released Oct.1A | 100 | 100 |
| | | Overrun | 3,517.57 | | | | | | |
| | | Total Cost F | 505,608.54 | | | | | | |
| DA-W-138 Eng-100 | Pre-Load Company 47-38 Fifth Street Long Island City, N.Y. | Erection of elevated Conc. Water Tank Negotiated-Lump Sum and Unit Price-Constr. $33,835. Change Order No. 1 decreases amount to $33,634 Change Order No.2 increases amount to | 33,887.00 | June 5 Awarded | June 23 | Sept.30 | Dec. 5A | 100 | 100 |
| | | Change Order No. 3 extends time to Sept. 30 | | | | | | | |
| | | Underrun | 2,700.00 | | | | | | |
| | | Total Cost | 31,187.00 | | | | | | |
| DA-W-138 Eng-107 | Pittsburgh DesMoines Steel Co. 270 Broadway New York, N. Y. | 100,000 Gallon elevated tank for fire Protection. Negotiated-Lump Sum and Unit Price. Change from P.O. # 2778. $12,349.20 Change Order No.1 increased amount to $13,019.20 Change Order No. 2 decreases amount to | F 12,128.03 | June 10 Awarded | July 20 | Aug. 29 | Aug.29 A | 100 | 100 |
| DA-W-138 Eng-108 | Wenneis Tank Co. 39 Courtland St. New York City, N. Y. | Construction of 75,000 Gal. Tank for Drinking Water. Negotiated-Lump Sum and Unit Price. Change from P.O. #1861. $12,080.00 C.O. #1 decreases amount to | F 11,730.00 | June 11 Awarded | July 8 | July 22 | Aug. 7 A | 100 | 100 |

F - Final Payment

Job No. (Lake Ontario) W 1

FIELD PROGRESS REPORT

PART D

Sheet 9 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be compl. | Physical Percentage Sched | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-109 | Champion Construction and Engineering Co., Inc. Long Island City, N. Y. | Erection of three boilers at Boiler House. Negotiated Lump Sum and Unit Price. Change to three Boilers reduces amount from $123,987.60 to $95,212.70 Change Order No.1 increases amount to $95,505.90 Change Order No.2 changes completion date and decreases amount to $93,439.53 Change Order No. 3 increases amount to | F 93,442.47 | June 11 | June 12 | Change Ord. #2 10 days after receipt of materials | Sept.28A | 100 | 100 |
| DA-W-138 Eng-111 | Wright & Kremers, Inc. Pine & Main Street Niagara Falls, N. Y. | Construction of two Ground Storage Reservoirs. Negotiated-Lump Sum and Unit Price. $185,749.08 Change Order No. 1 no change in price or time Change Order No. 2 decreases amount to $184,989.98 Change Order No. 3 extends completion date. Change Order No. 4 increases amount to | F 197,463.29 | June 13 | June 17 | Sub.9/22 Super.10/17 | Oct.20A | 100 | 100 |
| DA-W-138 Eng-119 | Joseph A. Sanders & Sons, Inc. Buffalo, New York | Application of Roofing-TNT & Acid Areas & Miscl. Negotiated-Lump Sum and Unit Price. $6,611.02 Supplemental Agreement increased amount to $8,202.02 Change Order No. 2 extends completion date. Change Order No. 3 increases amount to$11,178.22 Change Order No. 4 decreases amount to<br>Underrun<br>Total Cost | 11,151.52<br>1,526.31<br>F 9,625.21 | June 22 | June 24 | 7 days after last bldg. is ready | Sept.1A | 100 | 100 |
| DA-W-138 Eng-120 | Pittsburgh Plate Glass Co. Buffalo, New York | Glass and Glazing Negotiated-Lump Sum and Unit Price $3,108.00 Change Order No. 1 & 2 increase amount to | F 3,991.68 | June 22 Awarded | July 2 | 5 days after last sash | released Sept.12A | 100 | 100 |
| DA-W-138 Eng-125 | Stebbins Engineering and Manufacturing Co. Watertown, N. Y. | Laying Acid Resistant Brick Work Negotiated Lump Sum and Unit Price $48,200.00 Change Order No.1 increases amount to $48,811.30 Supplemental Agreement A increases amount to $59,143.30 Supplemental Agreement B increases amount to<br>Change Order No. 2 extends completion date<br>Overrun<br>Total Cost | 88,940.26<br>16,059.74<br>105,000.00 | June 27 | July 1 | Mar. 15 | Feb.19A 1943 | 100 | 100 |
| DA-W-138 Eng-127 | United Conveyor Corp. Chicago, Ill. | Ash Storage Bin and Equipment. Negotiated Lump Sum & Unit Price $18,745.00 Change Order No. 1 decreases amount to $18,480.00 Change Order No. 2 decreases amount to and extends completion date | F 14,425.78 | July 3 | July 15 | Oct. 29 | Aug.28 A | 100 | 100 |

F - Final Payment

RODUCED AT THE NATIONAL ARCHIVES



Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT

PART D

Sheet 10 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp. | Physical Percentage Sched | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-128 | H. C. Mapes Corporation Lockport, N. Y. | Heating and Plumbing in Manufacturing Buildings Negotiated Lump Sum and Unit Price $113,120.00 Change Order No.1 increased amount to $114,632 Change Order No. 2 decreases amt. to $109,526.90 Change Order No. 3 decreases amount to $109,270.90 Change Order No. 4 increases amount to $111,095.74 and extends completion date Change Ord. No. 5 increases amount to $111,947.78 Supplemental Agreement increases amount to $114,362.78 Change Ord. No. 6 increases amount to $114,814.43 Change Order No. 7 increases amount to F | 118,423.42 | July 6 | July 8 | 5 days after receipt of critical materials | Nov. 16A | 100 | 100 |
| DA-W-138 Eng-129 | E. H. Heilbron Co. Lexington, Kentucky | Furnishing and setting Kitchen and Cafeteria Equipment. Negotiated Lump Sum and Unit Price $13,959.54 Change Ord. No. 1 increases amount to and extends completion date | 15,757.29 | May 20 Orig. P.O. | May 20 | 5 days after equip. is received | Nov. 4A | 100 | 100 |
| | | Underrun | 397.29 | | | | | | |
| | | Total Cost | 15,360.00 | | | | | | |
| DA-W-138 Eng-130 | Westinghouse Electric & Manufacturing Co. Buffalo, New York | Furnishing and Installing X-Ray Equipment Lump Sum and Unit Price Change Order No. 1 extends completion date | F 5,180.00 | June 6 Orig. P. O. | June 10 | Oct. 14 | Oct.14A | 100 | 100 |
| DA-W-138 Eng-131 | Graver Tank and Mfg. Co., Inc. 424 Madison Ave. New York, N. Y. | Erect 2 Electric Mist Precipitators Negotiated lump Sum and Unit Price Change Order No. 1 decreases amount to and extende completion date | 5,753.95 F | July 11 | July 28 | Aug. 27 | Aug.27 A | 100 | 100 |
| DA-W-138 Eng-141 | Wright & Kremers, Inc. Niagara Falls, N. Y. | Construction of 2 Dormitory Buildings, including plumbing, heating, and electrical work. Negotiated Lump Sum Contract $88,160.00 Contract Cancelled July 30. Supplemental agreement Aug. 6 reinstated contract and extended completion date to Oct. 1 Change Order No. 1 reduces amount to $87,284. Change Order No. 2 increases amount to $87,448. Change Order No. 3 reduces amount to $85,155.67 and extends completion date Change Ord. No. 4 extends completion date and increases amt. to | F 85,738.67 | July 25 | July 30 | Nov. 14 | Nov. 15A | 100 | 100 |
| DA-W-138 Eng-148 | General American Transportation Corp. Sharon, Penn. | Erection of (13) 24'x20' Vertical Riveted Steel Storage Tanks | 30,394.00 | Oct.15 | Dec. 14 | Feb. 15 1943 | Feb.15 1943 | 61 | 61 |
| | | Underrun | 250.00 | | | | | | |
| | | Total Cost | 30,144.00 | | | | | | |

F - Final Payment

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Job No. (Lake Ontario) W 1

FIELD PROGRESS REPORT

PART D

Sheet 11 of 11

Job Name Lake Ontario Ordnance Works
Location Youngstown, New York

U.S.E.D. District Buffalo
U.S.E.D. Division Great Lakes
Period Ending February 28, 1943

CONTRACT DATA

| Official Contract No. | Name and Address of Contractor | Description of Work and Type of Contract | Estimated Contract Cost | Date Awarded or Approved | Date Work Started | Date Sched. to Be comp. | Date Est. to Be comp. | Physical Percentage Sched | Physical Percentage Act. |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| DA-W-138 Eng-149 | Chicago Bridge & Iron Co. 1700 Walnut St. Philadelphia, Pa. | Erection of (1) 250,000 Gal. Toluene Storage Tank | F 3,140.00 | Oct. 15 | Nov. 27 | Dec. 12 | Dec. 23A | 100 | 100 |
| DA-W-138 Eng-150 | Graver Tank & Mfg. Co., Inc. 424 Madison Avenue New York City | Erect 1 Electric Mist Precipitator Change Order No. 1 changes completion date | 3,344.00 | Oct. 30 | Nov. 28 | Dec. 23 | Dec. 23A | 100 | 100 |
| | | Underrun | 120.00 | | | | | | |
| | | Total Cost | F 3,244.00 | | | | | | |
| DA-W-138 Eng-153 | Herbert F. Darling Williamsville, New York | Additional Acid Sewer | 58,828.23 | Jan. 8 | Jan. 21 | Mar. 12 1943 | Mar. 12A 1943 | 42 | 42 |
| | | Overrun | 11,171.77 | | | | | | |
| | | Total Cost | 70,000.00 | | | | | | |
| | | CONTRACT TO BE AWARDED | | | | | | | |
| | | Railroad track installed by New York Central Railroad, inside project. | 15,000.00 | Estimated | | | | | |
| | | Nov. 12 Estimate, Total | 26,157,414.00 | (Excludes ($800,000.00), Estimated Government Field Overhead) | | | | | |

F - Final Payment

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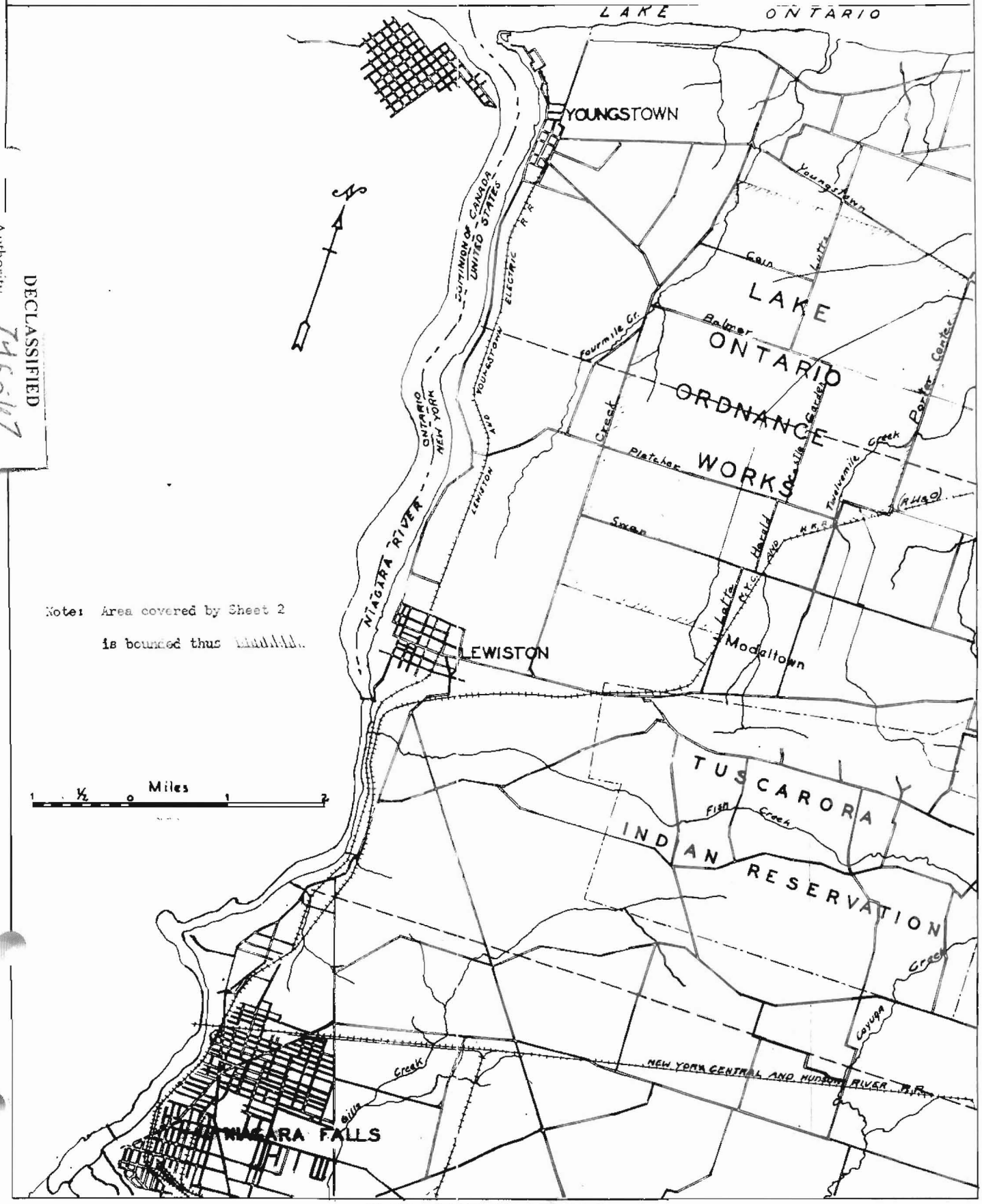
Job No. (Lake Ontario) M 2

FIELD PROGRESS REPORT
PART E

Sheet 1 of 12

Location Lake Ontario Ordnance Works
Youngstown, New York
Period Ending




Note: Area covered by Sheet 2 is bounded thus

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Authority 745067
By RR NARA Date 2/28

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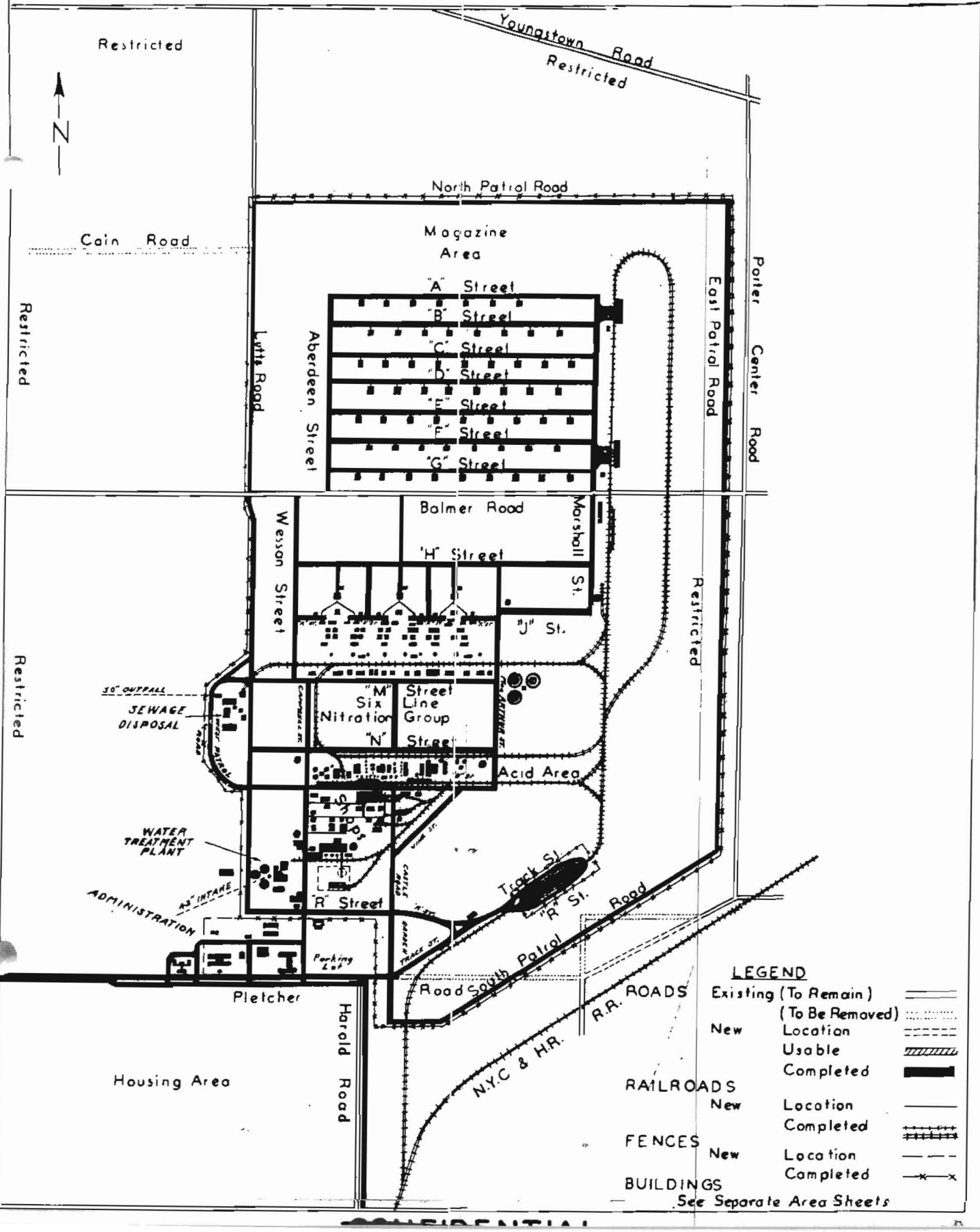
Authority 745647

~~CONFIDENTIAL~~



Location Lake Ontario Ordnance Works
Period

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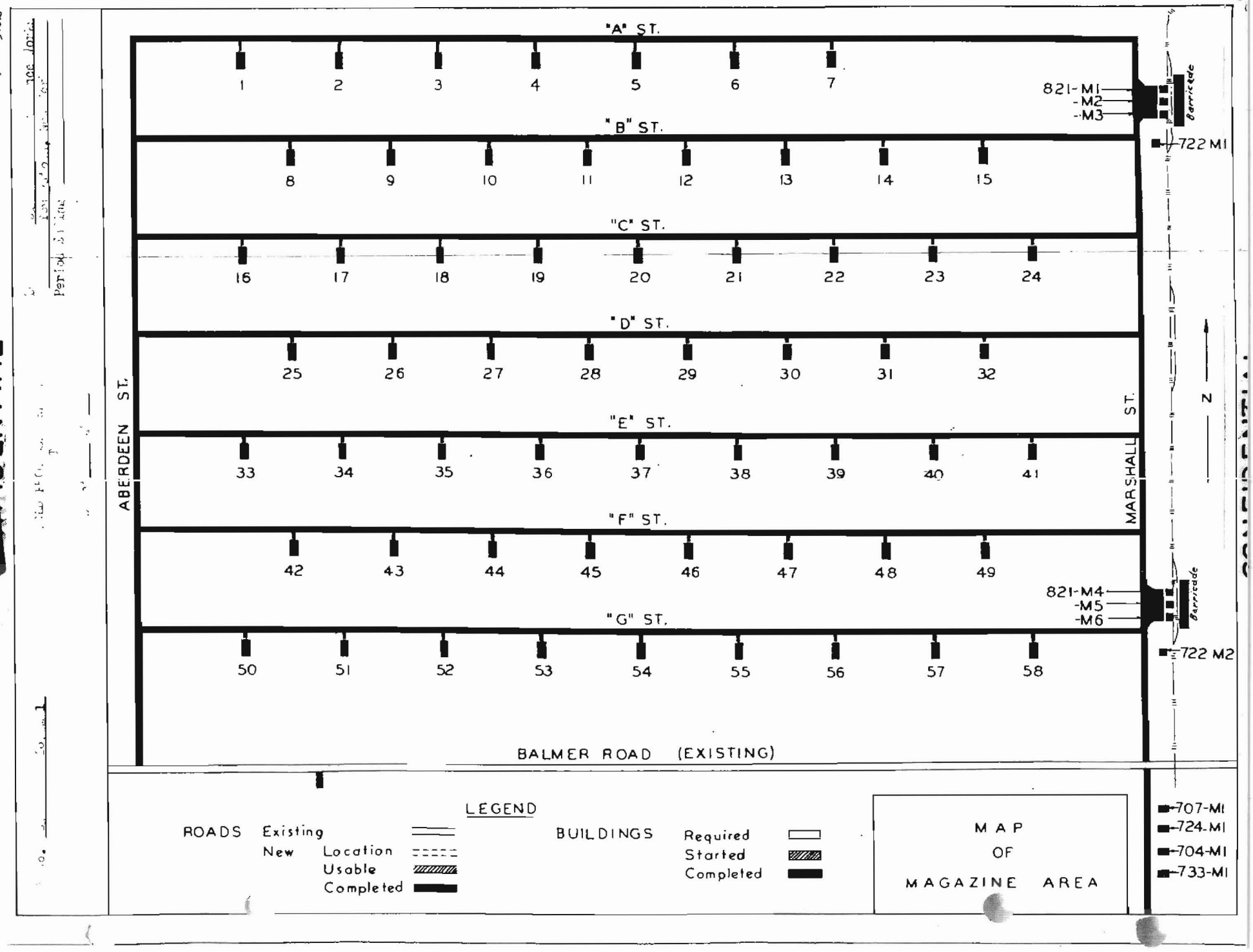
By RP NARA Date 2/28

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Authority 745067
By RP NARA Date 2/28



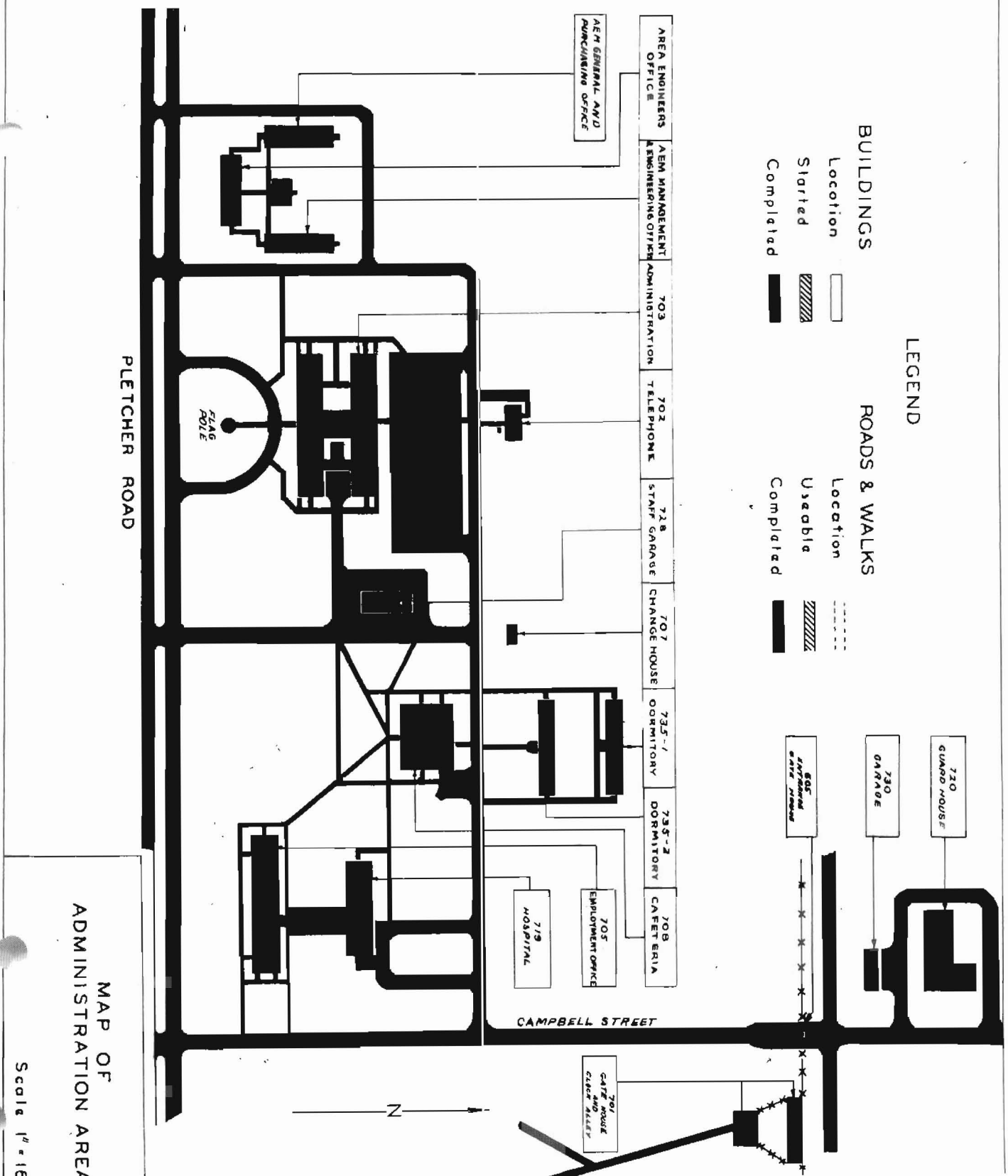
Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT
PART E

Sheet 4 of 12

Location Lake Ontario Ordnance Works
Youngstown, New York

Period Ending




MAP OF
ADMINISTRATION AREA

Scale 1" = 16

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By RL NARA Date 2/28

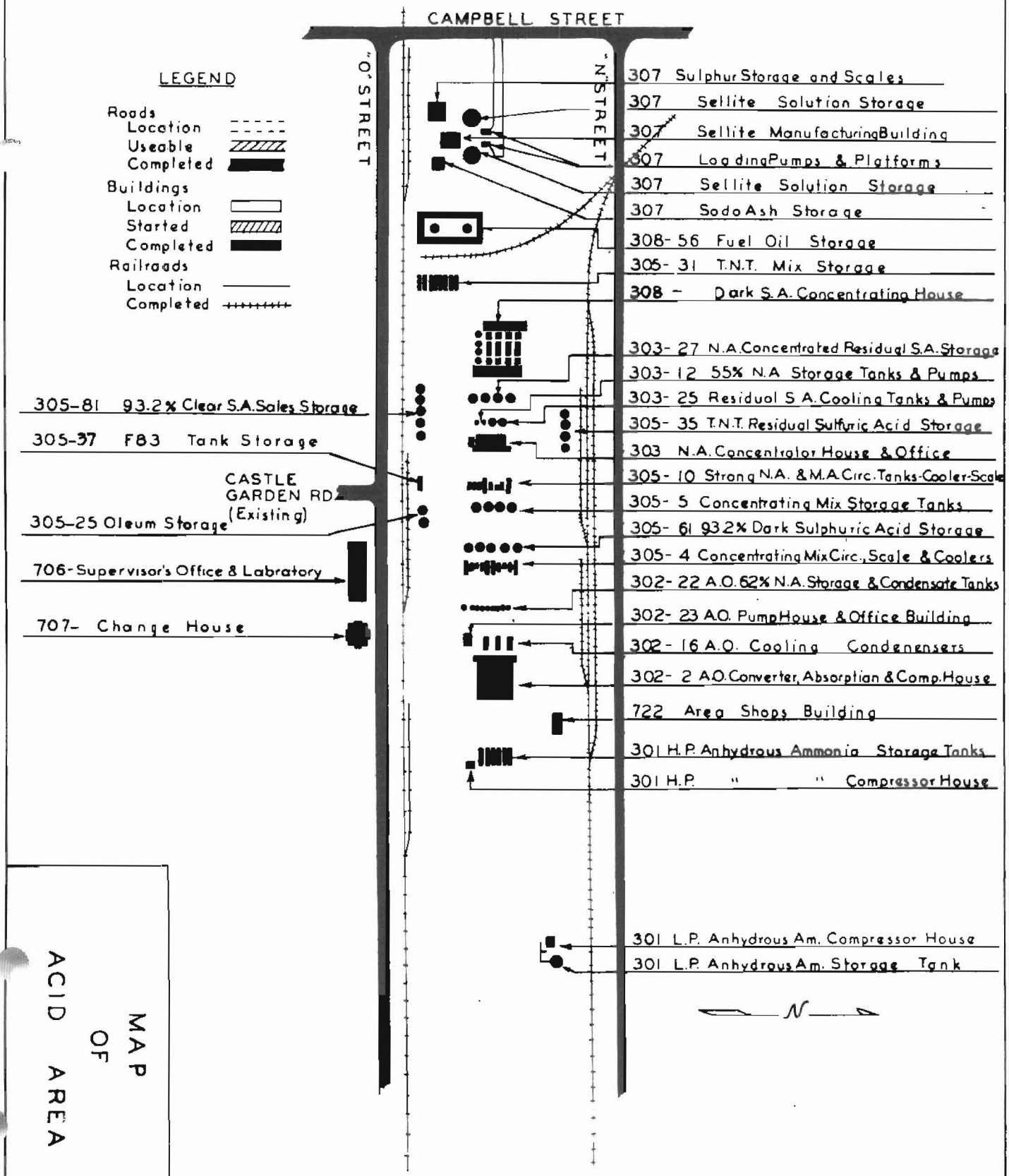


Job No. (Lake Ontario) 41-1

FIELD PROGRESS REPORT
PART E

Sheet 5 of 12

Location Lake Ontario Ordnance Works, Youngstown, New York
Period Ending _____




MAP OF ACID AREA

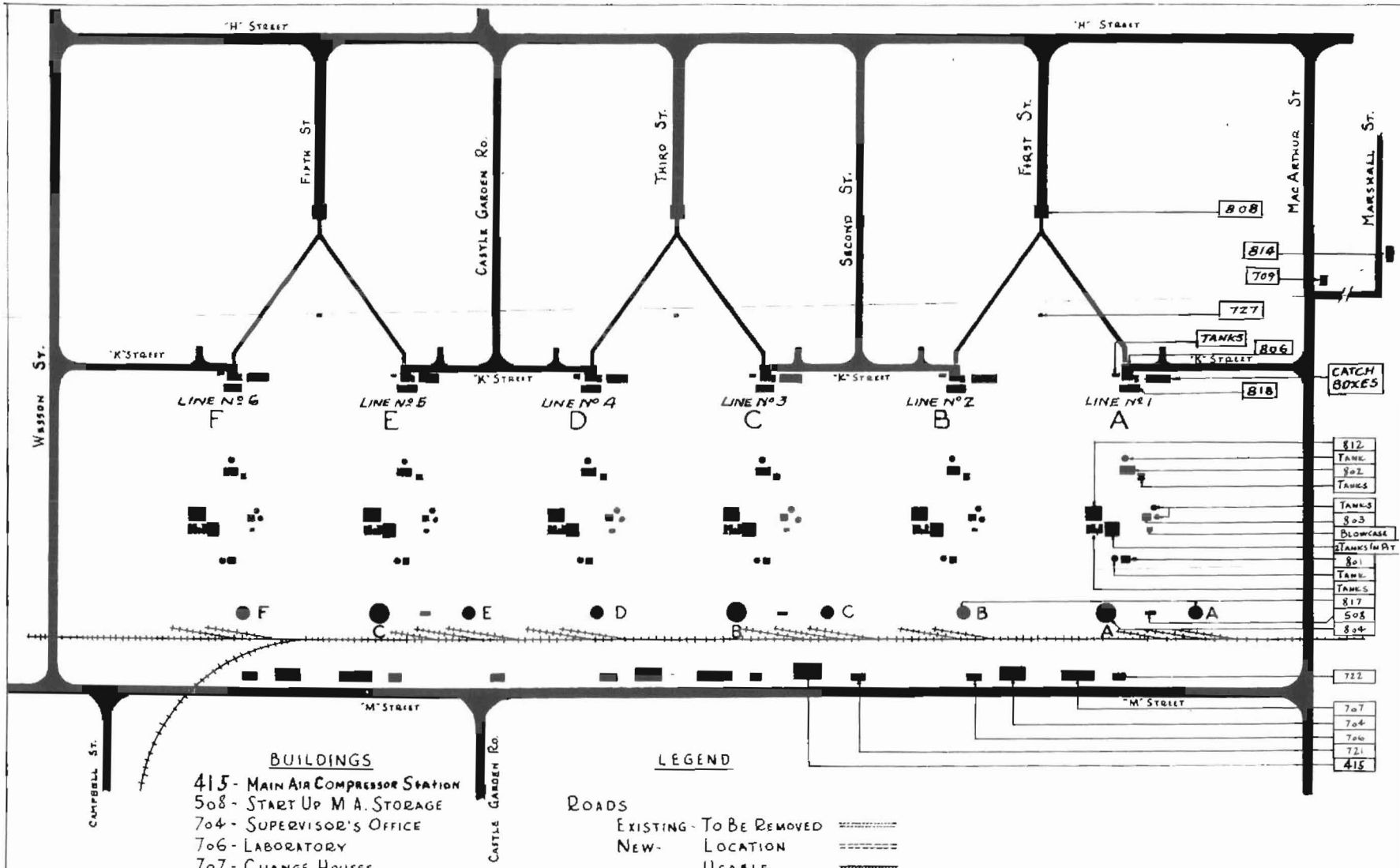
525

Location Lake Ontario Ordnance Works
Youngstown, New York
Period Ending

FIELD PROGRESS REPORT
PART E

Sheet 6 of 12

Job No. (Lake Ontario) W 3




BUILDINGS

415 - Main Air Compressor Station
508 - Start Up M A. Storage
704 - Supervisor's Office
706 - Laboratory
707 - Change Houses
721 - Inspector's Office (A), Laboratory (B)
722 - Shop Area
727 - Comfort Station
801 - Mono-Nitrating House
802 - Bi- & Tri-Nitrating House
803 - Fortifying House
804 - Toluene Storage
806 - Wash House
808 - Nailing House
817 - Oil Of Vitriol Storage
818 - Wash House Barricades
812 - Acid Fume Recovery

LEGEND

Roads
Existing - To Be Removed
New - Location
Usable
Completed

Railroads
New - Location
Completed

Buildings
Required
Started
Completed

814 - Box Factory and Shook Storage
709 - Auxiliary Fire Headquarters

MAP OF TNT AREA

Scale - 1" = 300'

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Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT
PART E

Location Lake Ontario Ordnance Works
Youngstown, New York
Period Ending

Sheet 7 of 12

# TNT AREA
## LINES 1 AND 2
Lines A and B

1" = 120'

LEGEND

Buildings
- Location
- Started
- Completed

727 Comfort Station
808 Nailing House
Tanks
806 Wash House
Catch Boxes
818 Barricade

MAC ARTHUR ST.
709 — Auxiliary Fire Hdqts.
MARSHALL ST.
814 — Box Factory & Shook Storage

LINE NO. 2
Line B

LINE NO. 1
Line A

Tanks
802 Bi & Tri Nitrating Hse.
812 Acid & Fume Recovery
Tanks
803 Fortifying House
Blowcase
2 Tanks in Pit
Tanks
801 Mono Nitrating House
804 Toluene Storage
508 Start up M.A. Storage
817 Oil of Vitriol Storage

706 Labarotory
704 Supervisor's Office
707 Change House
722 Shop

"M" Street

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Youngstown, Ohio
Period ending

# TNT AREA
## LINES 3 AND 4
Lines C and D

1" = 120'

LEGEND

Buildings
- Location
- Started
- Completed

727 Comfort Station
808 Nailing House
Tanks
806 Wash House
Catch Box
818 Barricade

LINE NO. 4
Line D

LINE NO. 3
Line C

Tanks
802 B & Tri Nitrating Hse.
812 Acid & Fume Recovery
Tanks
803 Fortifying House
Blowcase
2 Tanks in Pit
Tanks
801 Mono Nitrating House
804 Toluene Storage
508 Start up M.A. Storage
817 Oil of Vitriol Storage

706 Laboratory
704 Supervisor's Office
707 Change House
722 Shop
721 Inspector's Off.

"M" Street

MAIN AIR COMPRESSOR STATION

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Location Lake Ontario Ordnance Works
Youngstown, New York
Period Ending —

Sheet 1 of 12

# TNT AREA
## LINES 5 AND 6
Lines E and F

1" = 120'

LEGEND

Buildings
- Location
- Started
- Completed

727 Comfort Station
808 Nailing House
Tanks
806 Wash House
Catch Box
818 Barricade

LINE NO 6
Line F

LINE NO. 5
Line E

Tanks
802 Bi & Tri Nitrating Hse.
812 Acid & Fume Recovery
Tanks
803 Fortifying House
Blowcase
2 Tanks in Pit
Tanks
801 Mono Nitrating House
804 Toluene Storage
508 Start up M.A. Storage
817 Oil of Vitriol Storage

706 Laboratory
704 Supervisor's Office
707 Change House
722 Shop
721 Laboratory

"M" Street

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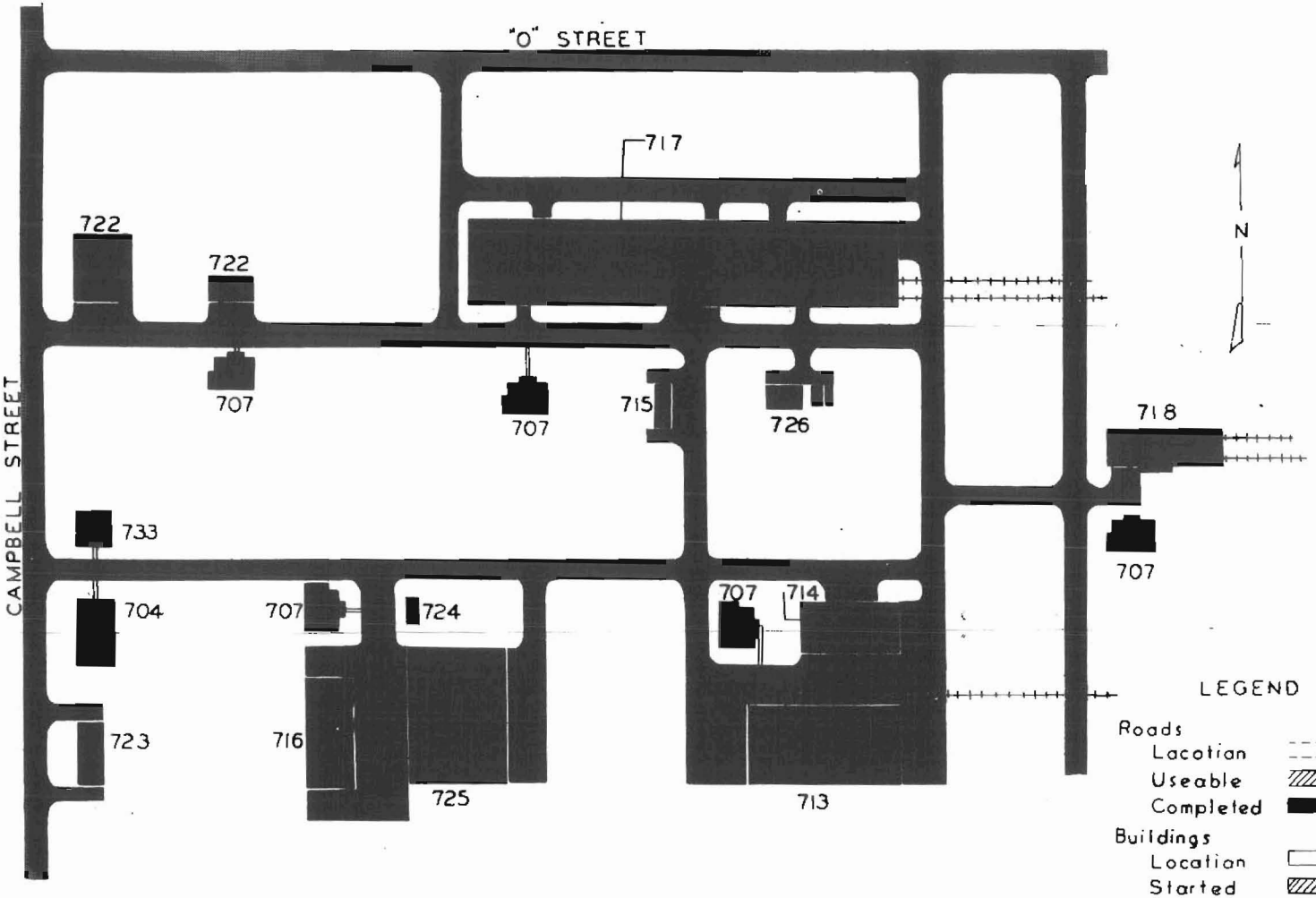
529




BUILDINGS

722 Millwright and Rigger Shop
733 Service House
704 Supervisor's Office
723 Laundry
707 Change Houses
716 Garage and Repair Shop
725 Parking Garage
724 Gasoline Station
717 Combined Shops
715 Oil and Paint Storage
726 Acetylene Storage
714 Material Storehouse
713 General Storehouse
718 Locomotive House

MAP OF SHOPS AREA

1" = 120'

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~~CONFIDENTIAL~~

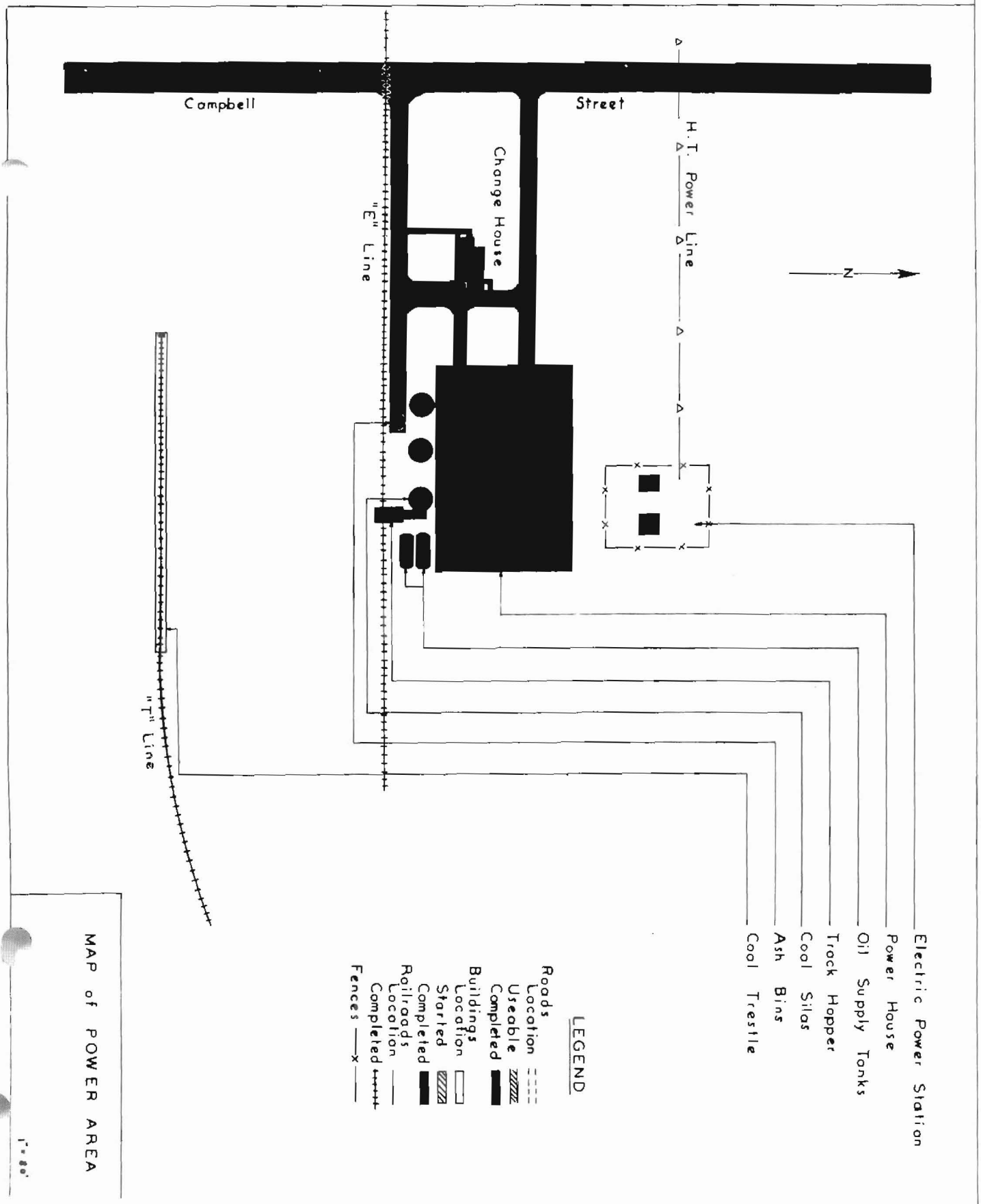


Job No. (Lake Ontario) M 1

FIELD PROGRESS REPORT
PART E

Sheet 11 of 12

Location Lake Ontario Ordnance Works
Youngstown, New York
Period Ending




MAP of POWER AREA

1" = 80'

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Authority 745067
By RP NARA Date 2/28

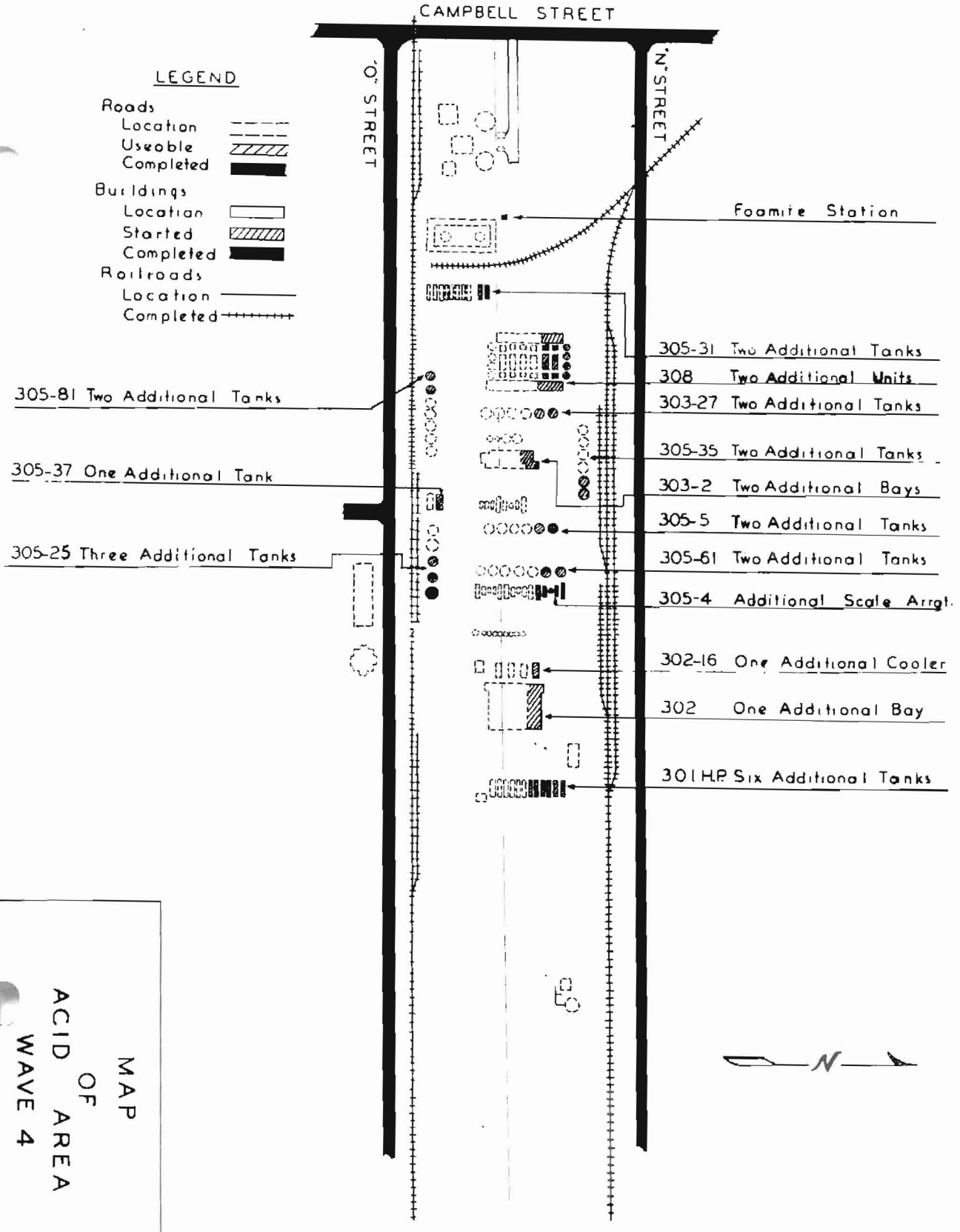


Job No. (Lake Ontario) N 1

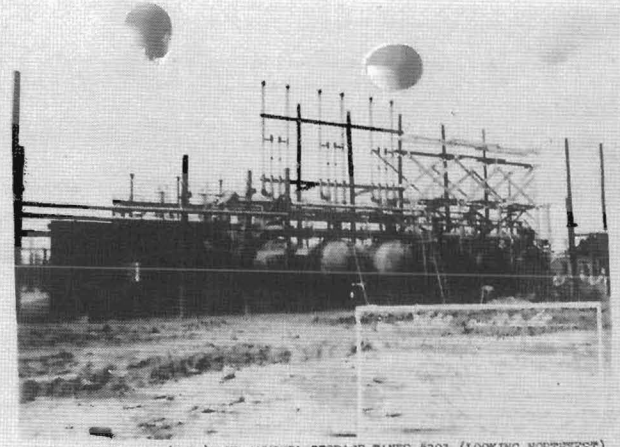
FIELD PROGRESS REPORT
PART E

Sheet 12 of 12

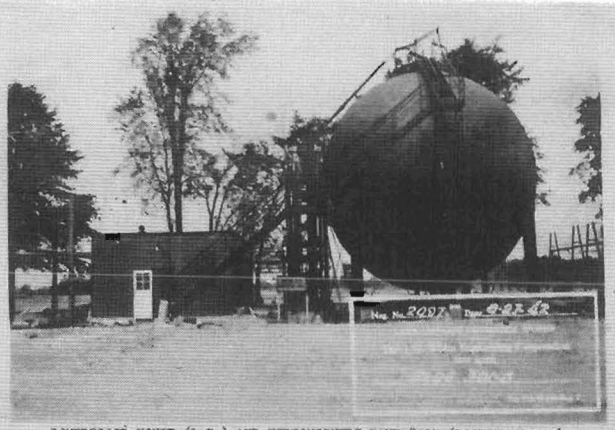
Location Lake Ontario Ordnance Works
Youngstown, New York
Period Ending




MAP OF ACID AREA WAVE 4



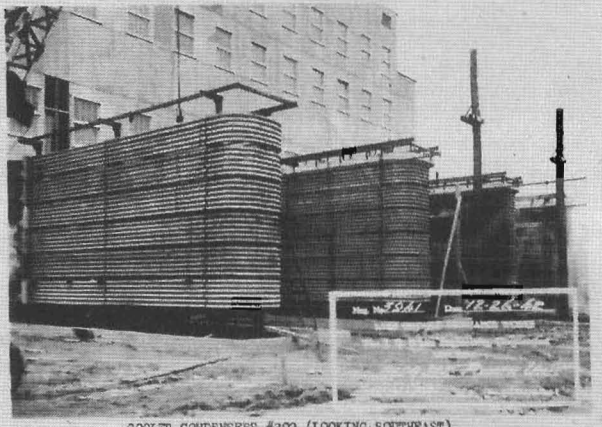
COMPRESSOR HOUSE (H.P.) AND AMMONIA STORAGE TANKS #301 (LOOKING NORTHWEST)



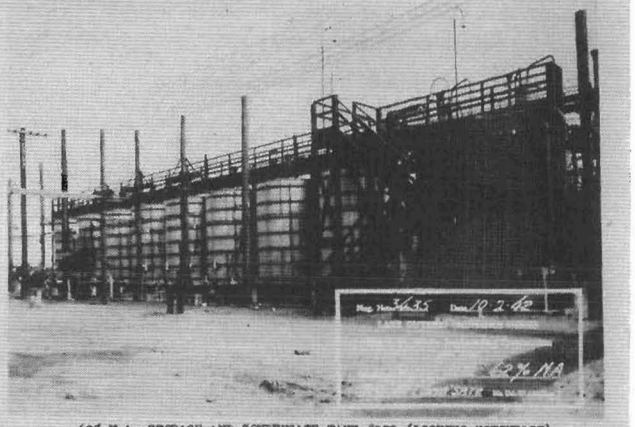
COMPRESSOR HOUSE (L.P.) AND HORTONSPHERE TANK #301 (LOOKING NORTH)

CONVERTER, ABSORPTION AND COMPRESSOR HOUSE #302 (LOOKING SOUTHEAST)

PUMP HOUSE AND OFFICE #302 (LOOKING NORTHWEST)



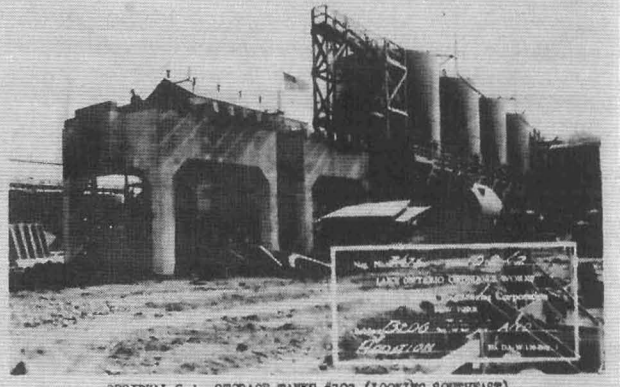
COOLER CONDENSERS #302 (LOOKING SOUTHEAST)



62% N.A. STORAGE AND CONDENSATE TANK #302 (LOOKING NORTHEAST)

N.A. CONCENTRATING HOUSE #303 (LOOKING SOUTHWEST)

55% N.A. STORAGE AND RESIDUAL S.A. COOLING TANKS #303 (LOOKING NORTHEAST)



RESIDUAL S.A. STORAGE TANKS #303 (LOOKING SOUTHEAST)

"ACID AREA"
MANUFACTURING BUILDINGS AND STORAGE TANKS

PLATE 1

532

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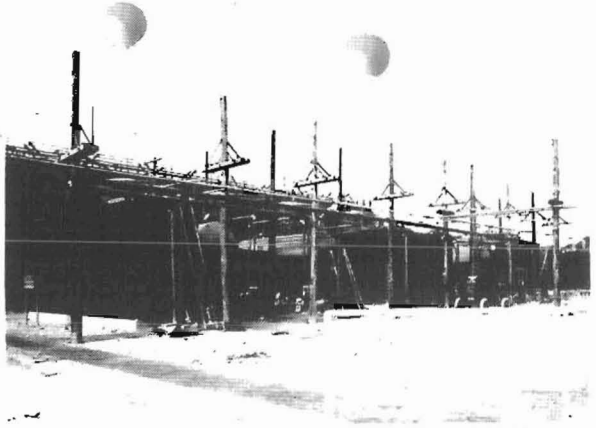
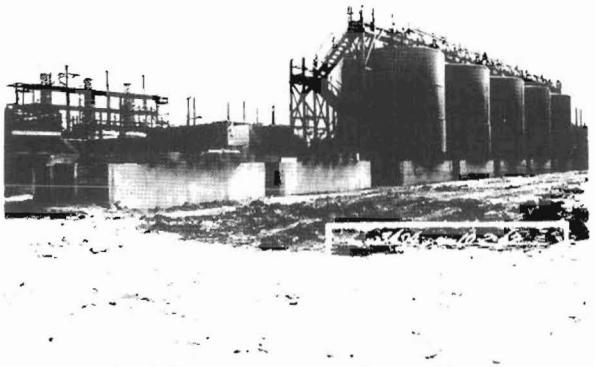
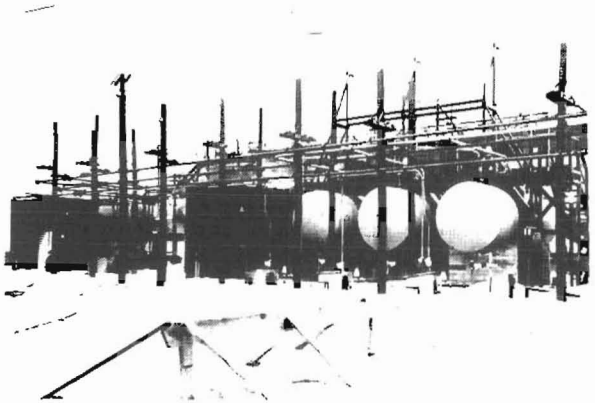


CONC. MIX CIRCULATOR TANKS ON SCALES AND MIX COOLERS #305 (LOOKING NORTHWEST)

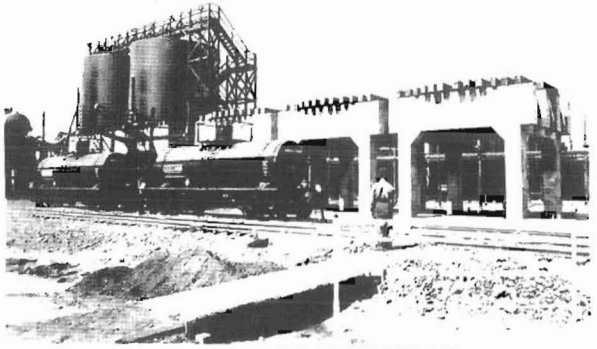


93.3% DARK S.A. STORAGE TANKS #305 (LOOKING SOUTHEAST)

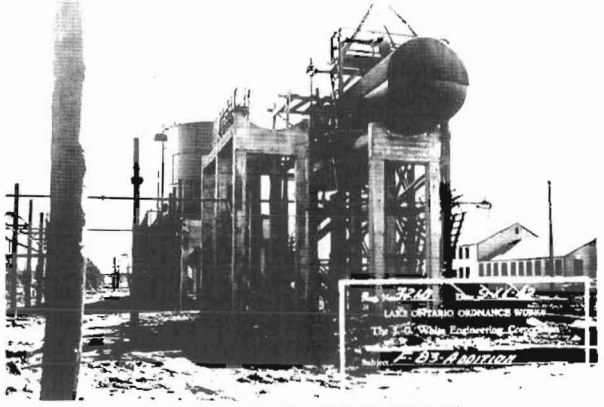
CONCENTRATING MIX STORAGE #305 (LOOKING SOUTHWEST)



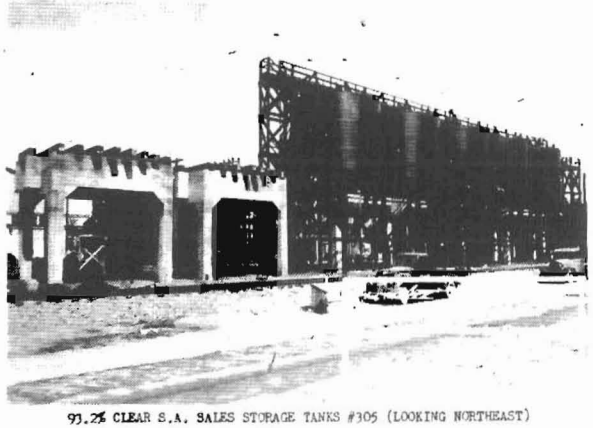
STRONG N. A. STORAGE AND STRONG M. A. CIRCULATORS #305 (LOOKING NORTHEAST)



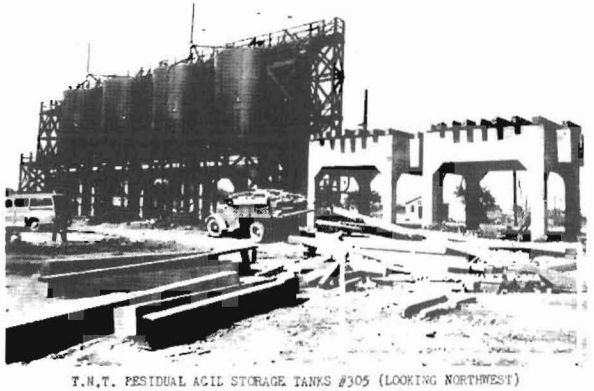
OLEUM STORAGE TANKS #305 (LOOKING NORTHWEST)



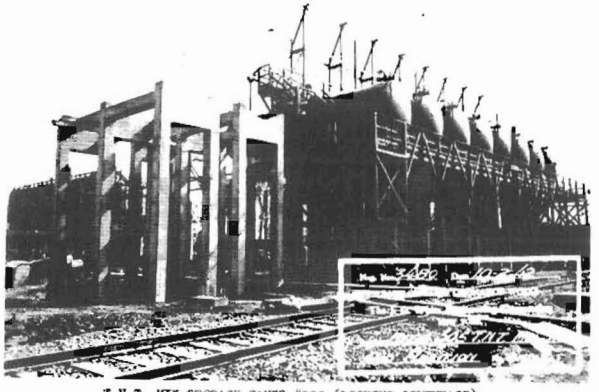

P83 STORAGE TANKS #305 (LOOKING SOUTHEAST)



93.2% CLEAR S.A. SALES STORAGE TANKS #305 (LOOKING NORTHEAST)



T.N.T. RESIDUAL ACID STORAGE TANKS #305 (LOOKING NORTHWEST)



T.N.T. MIX STORAGE TANKS #305 (LOOKING SOUTHEAST)

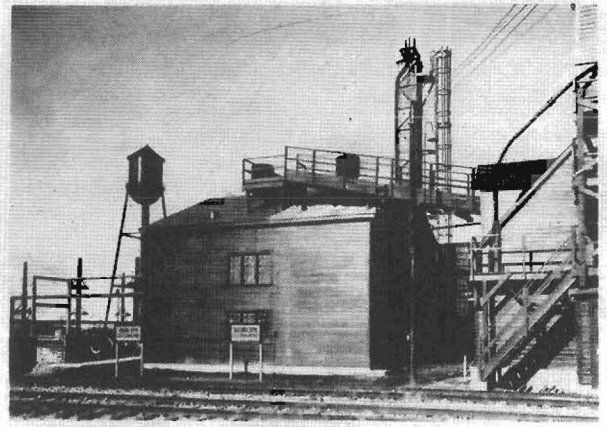
"ACID AREA"
MANUFACTURING BUILDINGS AND STORAGE TANKS

PLATE 11

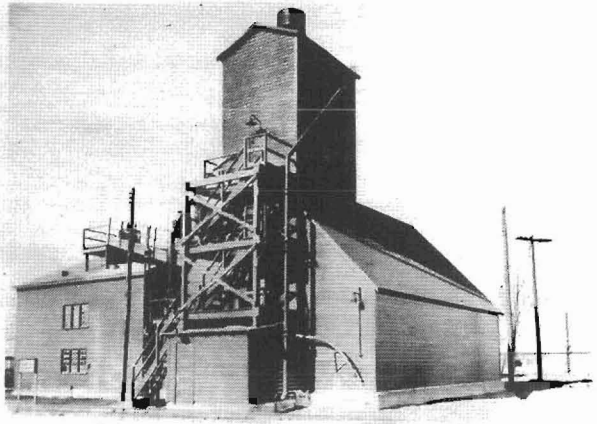
533

REPRODUCED AT THE NATIONAL ARCHIVES

ODUCED AT THE NATIONAL ARCHIVES

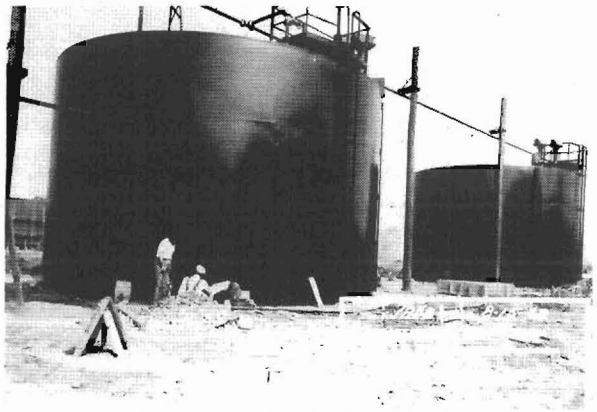


SULPHUR STORAGE, SCALES AND MIX HOUSE #307 (LOOKING NORTHWEST)

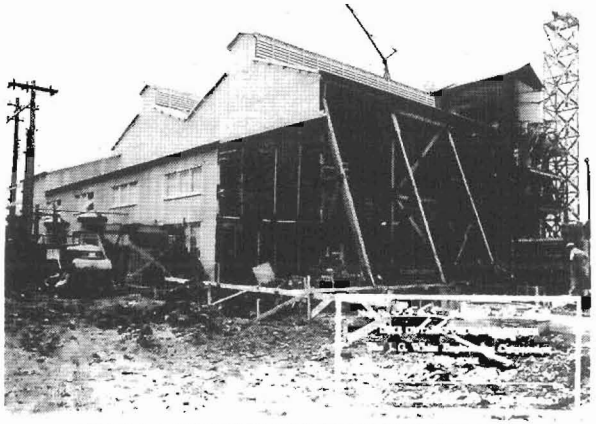


SODA ASH STORAGE BLDG. #307 (LOOKING NORTHWEST)

SELLITE SOLUTION STORAGE TANK #307 (LOOKING WEST)



FUEL OIL STORAGE #308 (LOOKING NORTHWEST)



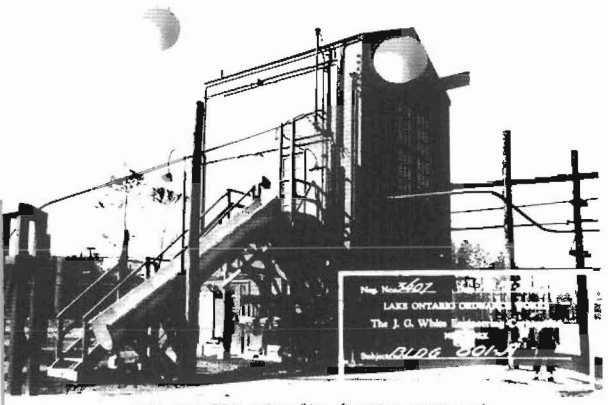
DARK S.A. CONCENTRATING HOUSE #308 (LOOKING SOUTHEAST)

[illegible] END ACID [illegible]

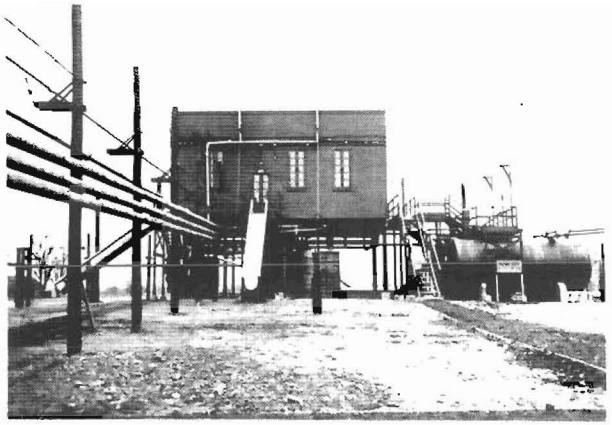
"ACID AREA"
MAINTENANCE BUILDING AND STORAGE

PLATE III

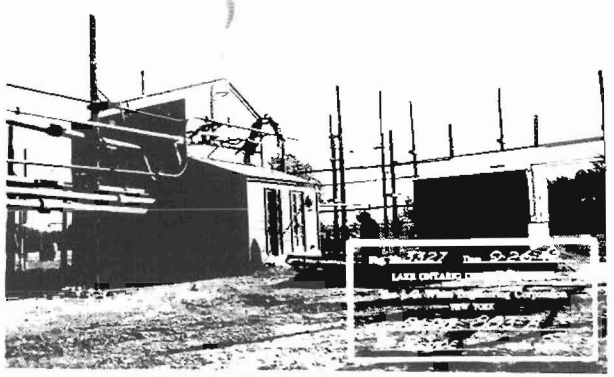
534



MONO NITRATING HOUSE #801 (LOOKING SOUTHWEST)



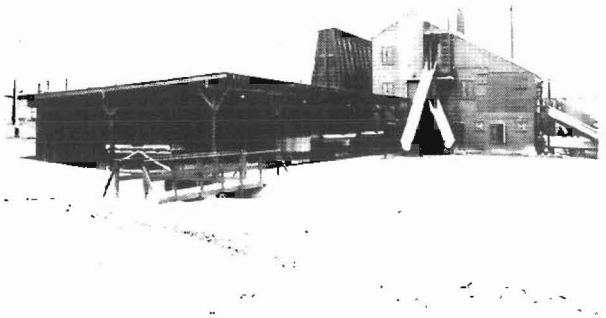
BI & TRI NITRATING HOUSE #802 (LOOKING NORTH)



FORTIFYING HOUSE #803 (LOOKING NORTHEAST)

TOLUENE STORAGE (BULK) #804 (LOOKING NORTHWEST)

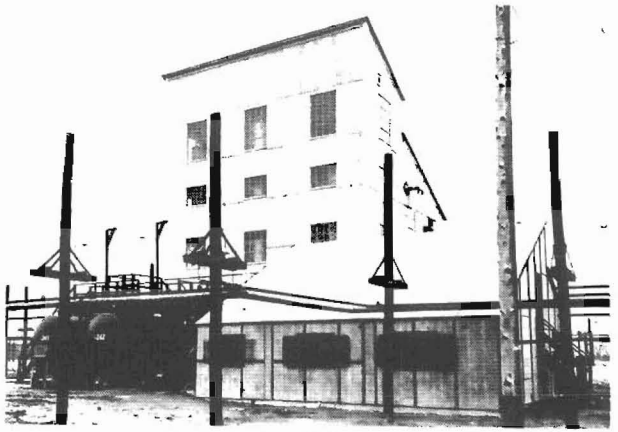
TOLUENE STORAGE (WORKING) #804 (LOOKING NORTHWEST)



WASH HOUSE AND CATCHBOXES #806 (LOOKING SOUTHWEST)

CONVEYOR LINES A-C-E #807 (LOOKING SOUTHEAST)

NAILING HOUSE #808 (LOOKING SOUTHWEST)



ACID AND FUME RECOVERY HOUSE #812 (LOOKING NORTHWEST)

MANUFACTURING BUILDINGS & STORAGE TANKS T.N.T. AREA

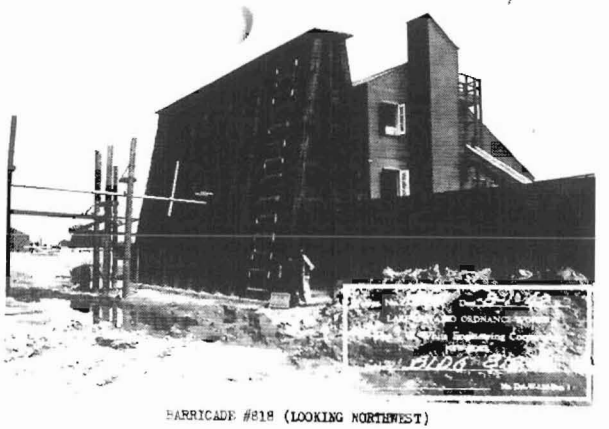
PLATE IV



REPRODUCED AT THE NATIONAL ARCHIVES

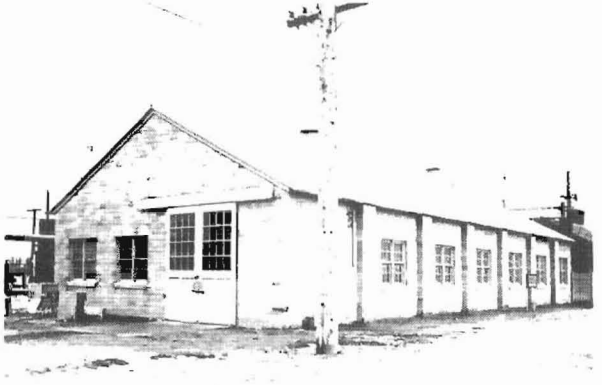
BOX FACTORY AND SHOOK STORAGE #814 (LOOKING NORTHWEST)

BOX FACTORY AND SHOOK STORAGE #814 (LOOKING NORTHEAST)



BARRICADE #818 (LOOKING NORTHWEST)

FOAMITE BUILDING (T.N.T. AREA) (LOOKING NORTHEAST)

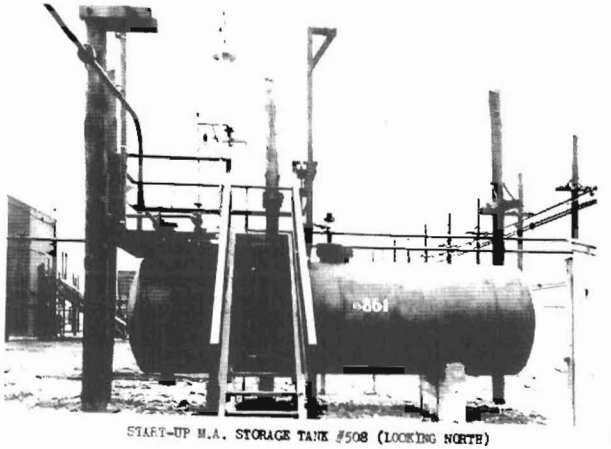


MAIN AIR COMPRESSOR HOUSE #815 (LOOKING NORTHEAST)

O. V. STORAGE TANK #817 (LOOKING NORTHWEST)

TYPICAL CAR SPOT WITHOUT LOADING AND UNLOADING PLATFORM

TYPICAL CARSPOT WITH LOADING AND UNLOADING PLATFORM

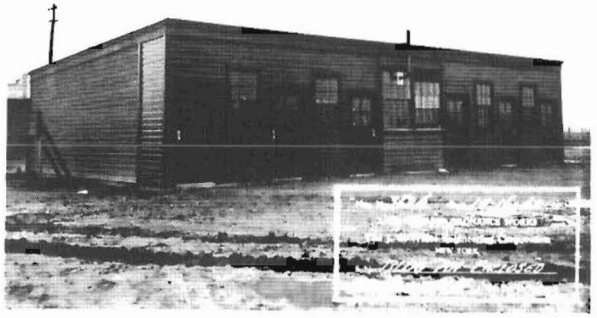


START-UP M.A. STORAGE TANK #508 (LOOKING NORTH)

MANUFACTURING BUILDINGS AND STORAGE TANKS (T.N.T. AREA)
TYPICAL CAR SPOTS VARIOUS LOCATIONS

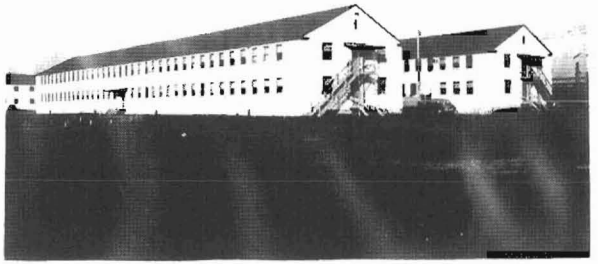
PLATE V

REPRODUCED AT THE NATIONAL ARCHIVES



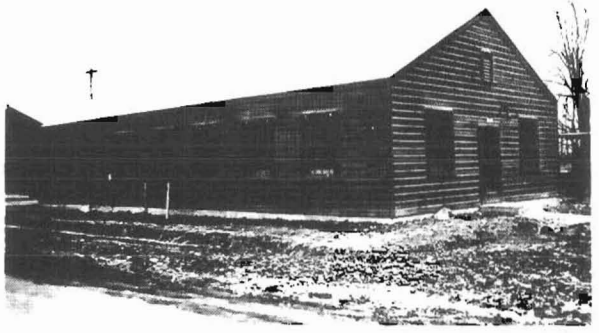
GATE HOUSE #701 (LOOKING NORTHEAST)

TELEPHONE BUILDING #702 (LOOKING NORTHEAST)



ADMINISTRATION (MAIN OFFICE) BUILDING #703 (LOOKING NORTHWEST)

SUPERVISOR'S OFFICE #704 CLASSIFICATION YARD (LOOKING NORTH)



SUPERVISOR'S OFFICE #704 SHOP AREA (LOOKING NORTHEAST)

SUPERVISOR'S OFFICE #704 T.N.T. AREA (LOOKING NORTHEAST)

EMPLOYMENT OFFICE #705 (LOOKING NORTHWEST)

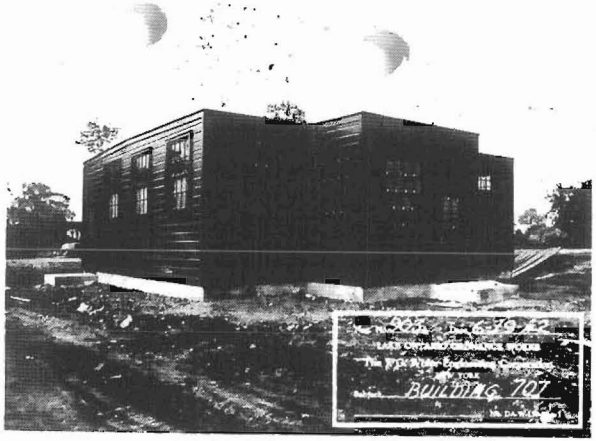
LABORATORY and SUPERVISORS OFFICE (ACID AREA) No. 706 (LOOKING SOUTHEAST)

LABORATORY #706 T.N.T. AREA (LOOKING NORTHEAST)

ADMINISTRATION, SERVICE AND MAINTENANCE BUILDINGS

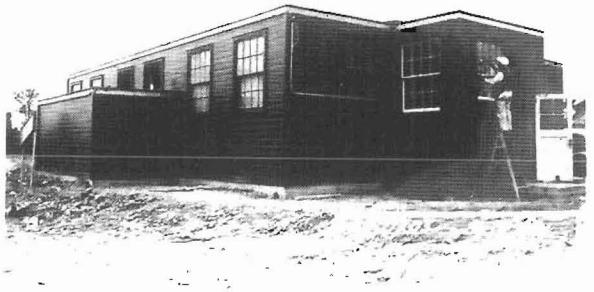
PLATE VI

REPRODUCED AT THE NATIONAL ARCHIVES

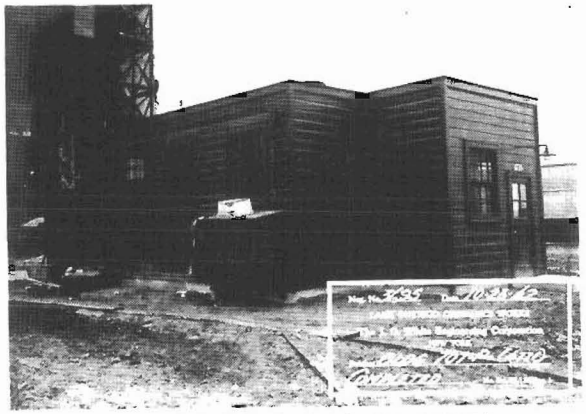



CHANGE HOUSE NO. 707 SHOP AREA (LOOKING SOUTHWEST)

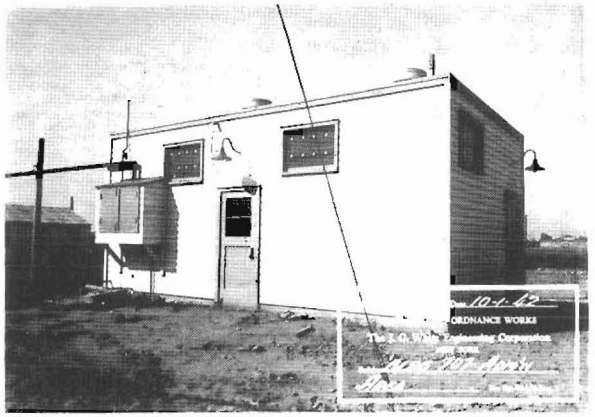
CHANGE HOUSE #707 T.N.T. AREA (LOOKING NORTHEAST)



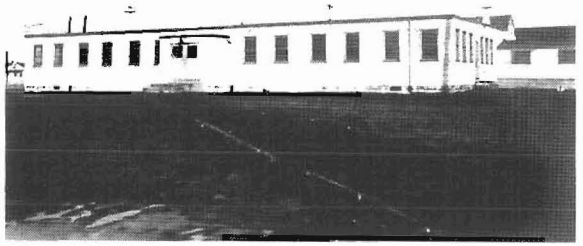
CHANGE HOUSE NO. 707 ACID AREA (LOOKING SOUTHEAST)



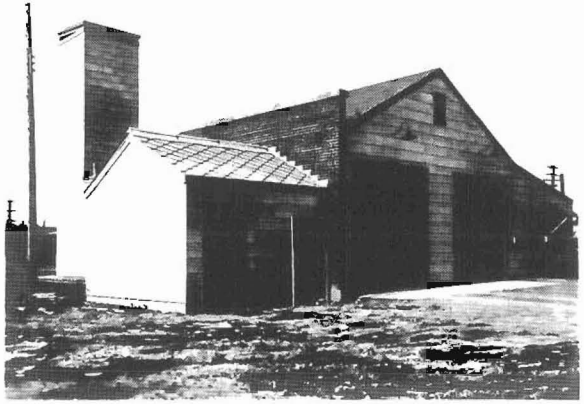
CHANGE HOUSE NO. 707 POWER AREA (LOOKING SOUTHEAST)



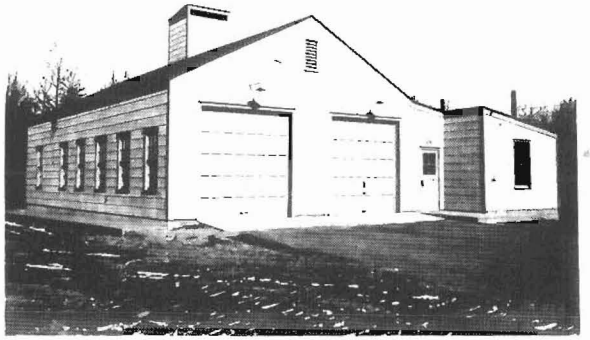
CHANGE HOUSE NO. 707 ADMINISTRATION AREA (LOOKING NORTHWEST)



CAFETERIA #708 (LOOKING NORTHWEST)



MAIN FIRE HEADQUARTERS #709 (LOOKING NORTHWEST)



AUXILIARY FIRE HOUSE #709 (LOOKING NORTHEAST)

GENERAL STOREHOUSE NO. 713 (LOOKING SOUTHWEST)

ADMINISTRATION, SERVICE AND MAINTENANCE BUILDINGS

PLATE VII

MATERIAL SHED #714 (LOOKING SOUTHWEST)

OIL AND PAINT STORAGE #715 (LOOKING SOUTHWEST)

GARAGE AND REPAIR SHOP #716 (LOOKING SOUTHWEST)

COMBINED SHOPS #717 (LOOKING NORTHWEST)

LOCOMOTIVE HOUSE #718 (LOOKING NORTHEAST)

MEDICAL SERVICE BLDG. #719 (LOOKING NORTHEAST)

GUARD HEADQUARTERS #720 (LOOKING NORTHWEST)

INSPECTOR'S OFFICE #721 TNT AREA (LOOKING NORTHEAST)

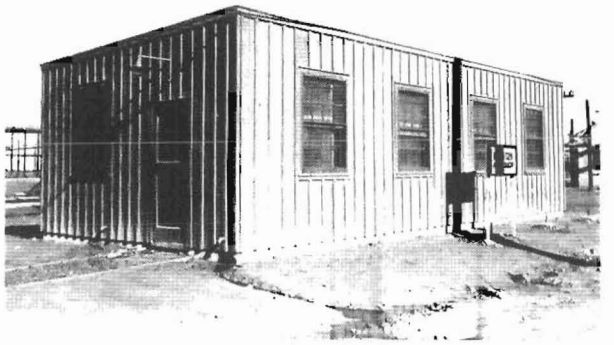
INSPECTOR'S LABORATORY #721 TNT AREA (LOOKING NORTHEAST)

ADMINISTRATION, SERVICE AND MAINTENANCE BUILDINGS

PLATE VIII

REPRODUCED AT THE NATIONAL ARCHIVES

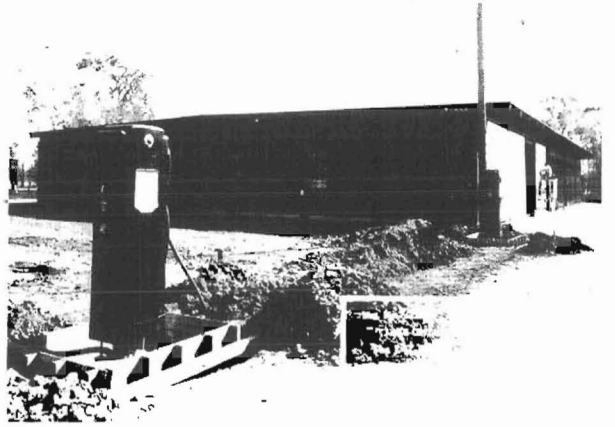
MILLWRIGHT SHOP #722 (LOOKING NORTHEAST)



AREA SHOP #722 T.N.T. AREA (LOOKING NORTHEAST)

CHOCKING LUMBER SHED #722 (LOOKING SOUTHWEST)

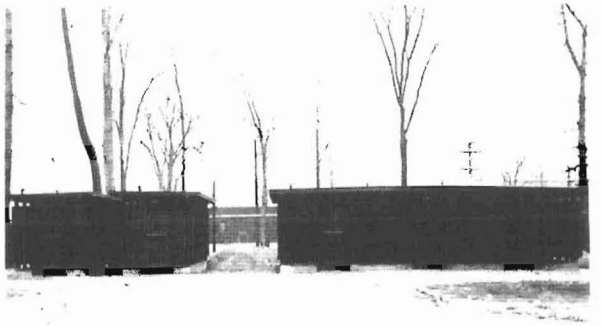
LAUNDRY #723 (LOOKING SOUTHEAST)



GASOLINE STATION #724 SHOP AREA (LOOKING SOUTHEAST)

GASOLINE STATION #724 MAGAZINE AREA (LOOKING EAST)

PARKING GARAGE (BUSSES) #725 (LOOKING SOUTHEAST)



ACETYLENE STORAGE #726 (LOOKING SOUTH)

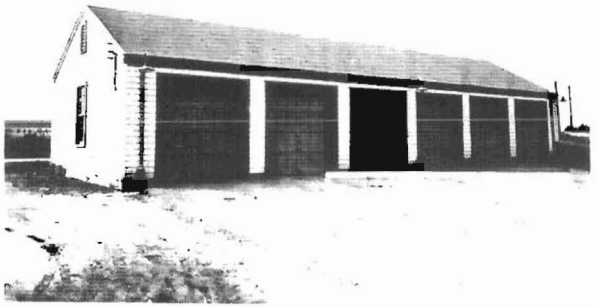
COMFORT STATION #727 T.N.T. AREA (LOOKING SOUTHWEST)

PLATE IX

SERVICE AND MAINTENANCE BUILDINGS

REPRODUCED AT THE NATIONAL ARCHIVES

GARAGE FOR STAFF & ORDNANCE #728 (LOOKING SOUTHWEST)



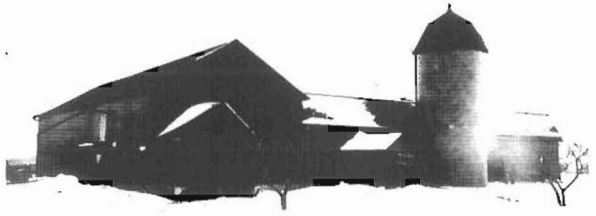
GARAGE FOR GUARD HEADQUARTERS #730 (LOOKING SOUTHWEST)

SERVICE HOUSE #733 MAGAZINE AREA (LOOKING SOUTHEAST)

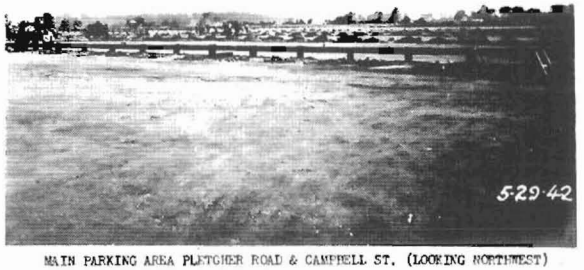
MEETING HOUSE #733 SHOP AREA (LOOKING SOUTHEAST)

DORMITORIES #735 (LOOKING NORTHWEST)

EXAMINATION BUILDING #701 (LOOKING NORTHEAST)



BARN E82 ON BALMER RD, REMODLED FOR MOUNTED GUARD HORSE STABLES (LOOKING SOUTHEAST)

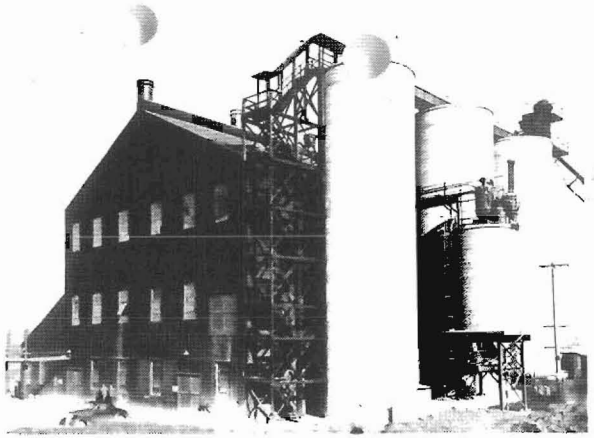



MAIN PARKING AREA PLETCHER ROAD & CAMPBELL ST. (LOOKING NORTHWEST)

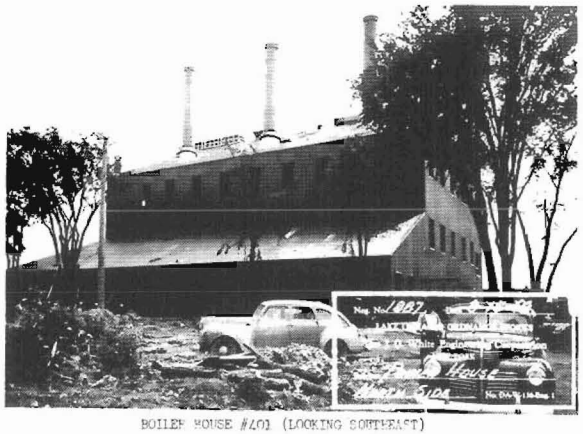
FLAG POLE FRONT OF ADMINISTRATION BLDG. (LOOKING NORTHWEST)

SERVICE AND MAINTENANCE BUILDINGS, PARKING AREA AND FLAG POLE

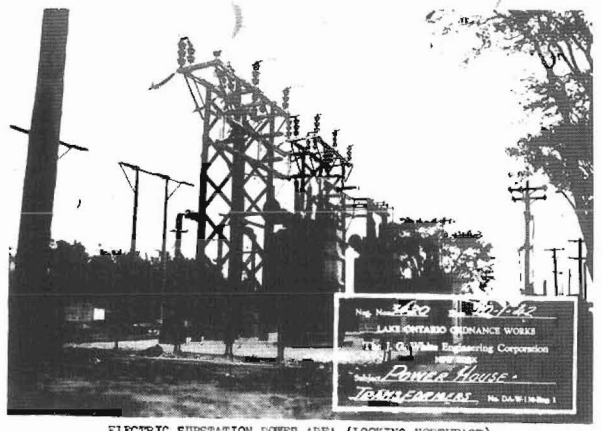
PLATE X



BOILER HOUSE #401 (LOOKING NORTHEAST)

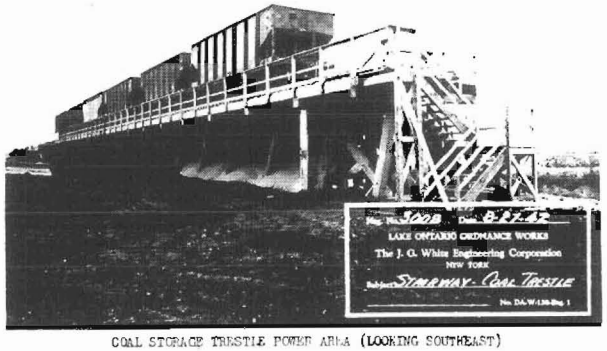



BOILER HOUSE #401 (LOOKING SOUTHEAST)

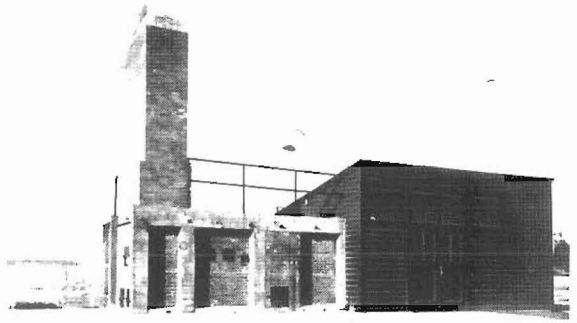



ELECTRIC SUBSTATION POWER AREA (LOOKING NORTHEAST)

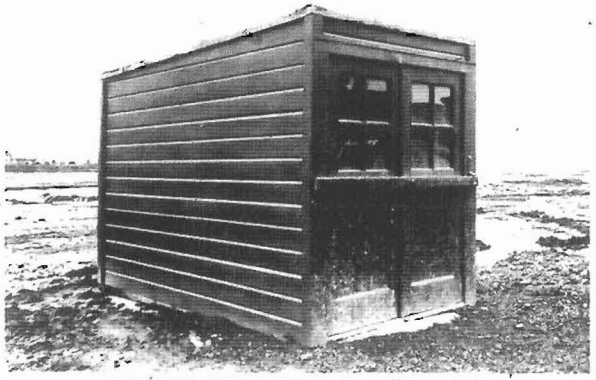
BOILER FEED WATER TANK, POWER AREA (LOOKING NORTHWEST)




COAL STORAGE TRESTLE POWER AREA (LOOKING SOUTHEAST)



INCINERATOR (LOOKING NORTHWEST)



TYPICAL HOSE HOUSE VARIOUS LOCATIONS (FRONT VIEW)

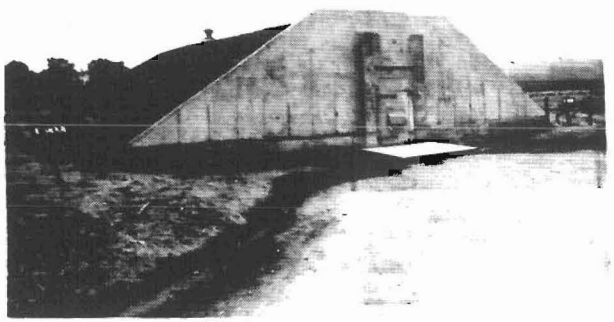
COAL STORAGE YARD ADJACENT TO BOILER HOUSE

BURNING GROUNDS AREA AND CHARGING FLOOR RAMP TO INCINERATOR

542

POWER AREA STRUCTURES, MISCELLANEOUS SERVICE BUILDINGS, COAL STORAGE YARD AND BURNING GROUNDS AREA

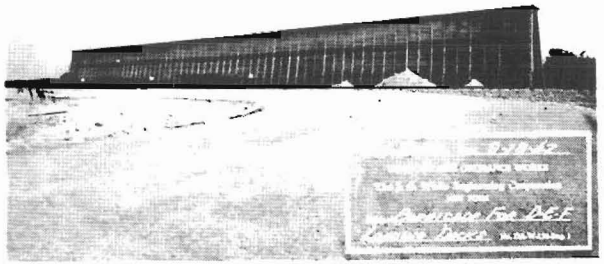
PLATE XI



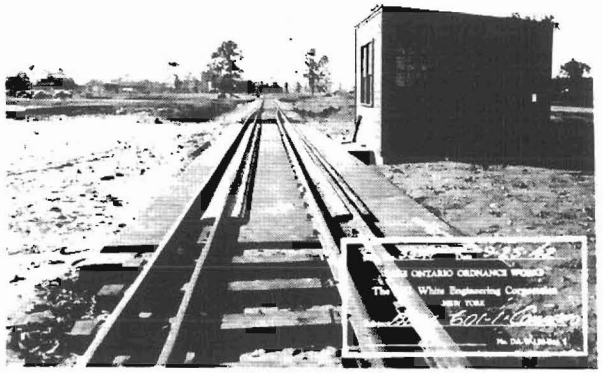
IGLOO #58 FRONT VIEW (LOOKING SOUTHWEST)

"E" STREET LOOKING EAST FROM "D" AVE.

LOADING PLATFORMS #821 MAGAZINE AREA (LOOKING NORTHEAST)

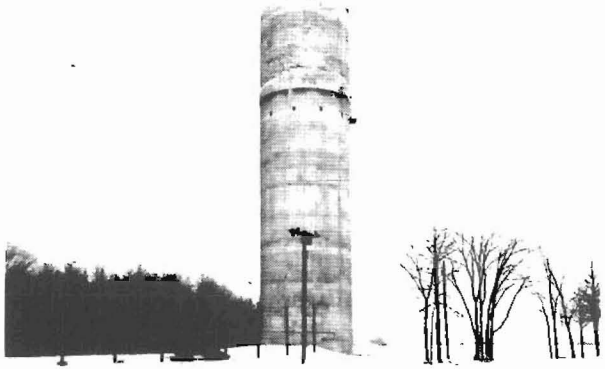


BARRICADE #618 MAGAZINE AREA (LOOKING NORTHEAST)



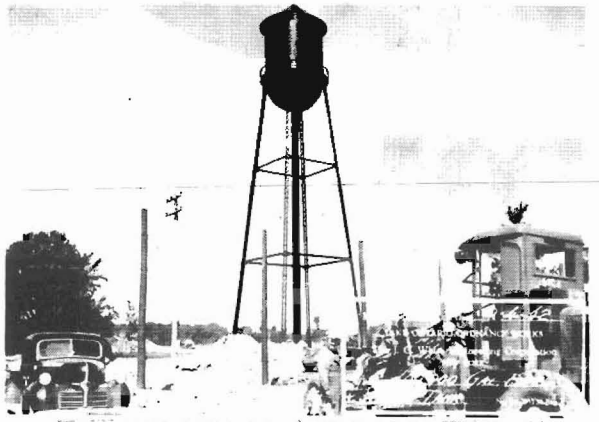
SCALE HOUSE AND TRACK SCALES #601 WEST OF ACID AREA (LOOKING SOUTH)

FUEL OIL AND GASOLINE TEMPORARY STORAGE TRANS. AREA (LOOKING NORTHEAST)



275,000 GALLON COOLING WATER STORAGE (ACID AREA) (LOOKING NORTHEAST)

DRINKING WATER STORAGE TANK NORTHWEST OF POWER AREA (LOOKING WEST)



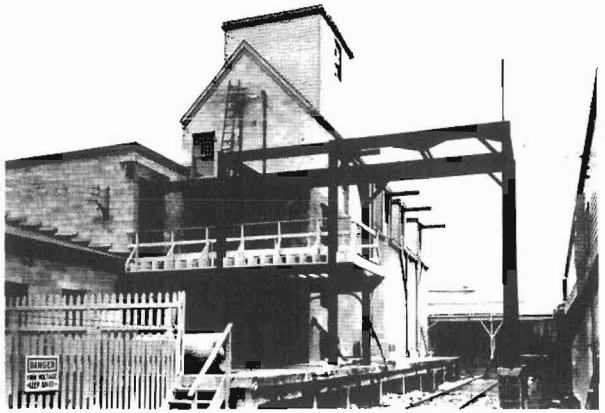
FIRE WATER STORAGE TANK WEST OF ACID AREA (LOOKING NORTHEAST)

543

MAGAZINE AREA STRUCTURES, SCALE HOUSE, TANKS AND ELEVATED WATER STORAGE TANKS

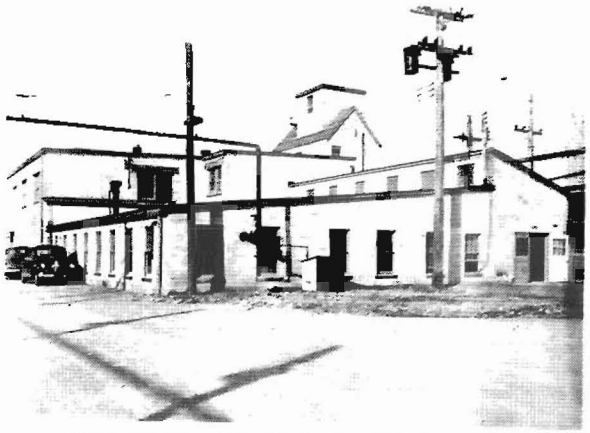
PLATE XII

REPRODUCED AT THE NATIONAL ARCHIVES

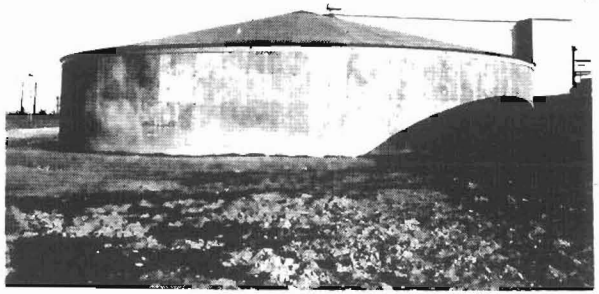



CHEMICAL STORAGE (LOOKING SOUTHWEST)

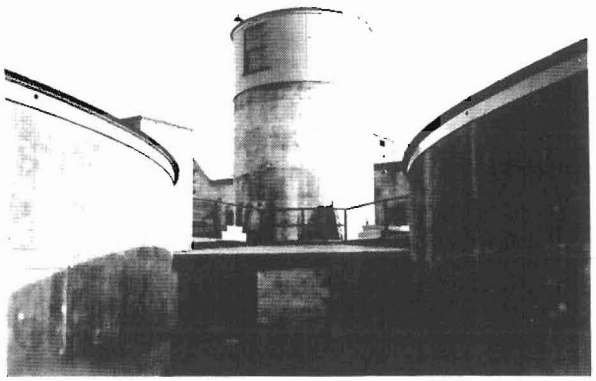
FILTER BUILDING (LOOKING NORTHEAST)



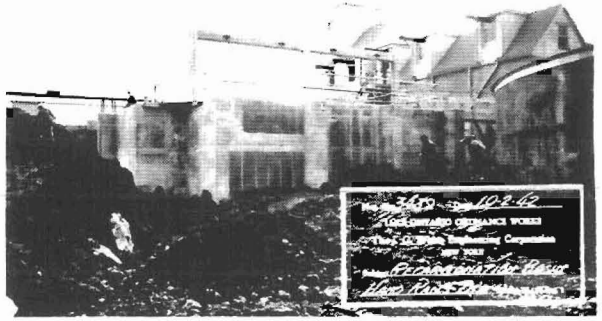
PUMPING STATION - WATER TREATMENT PLANT (LOOKING NORTHWEST)



ACCELATOR (LOOKING NORTHEAST)



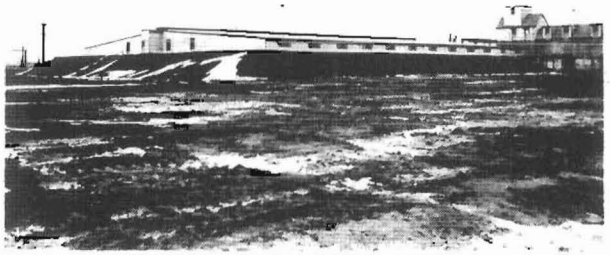
SURGE TANK (LOOKING NORTHEAST)



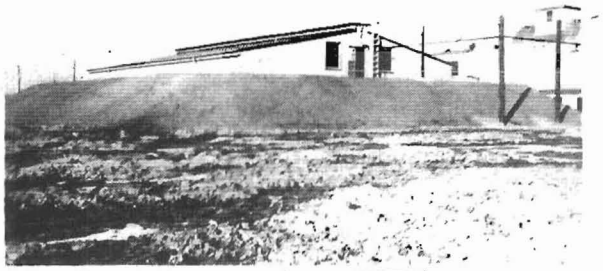
RECARBONATION BASIN (LOOKING SOUTHEAST)

WATER TREATMENT PLANT BUILDINGS AND TANKS

PLATE XIII

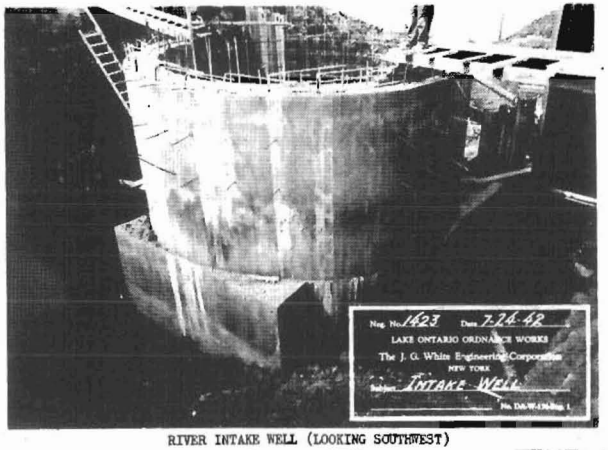


COOLING RESERVOIR (LOOKING SOUTHEAST)



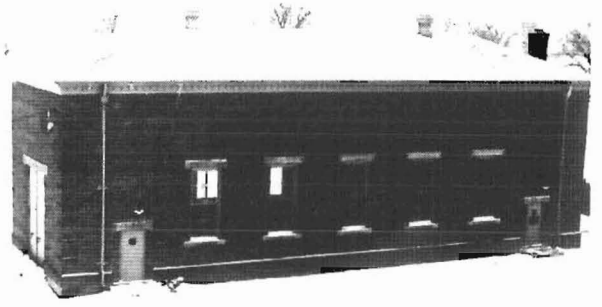
FIRE RESERVOIR (LOOKING NORTHWEST)

SLURRY POOL, EAST DIKE (LOOKING NORTHEAST)

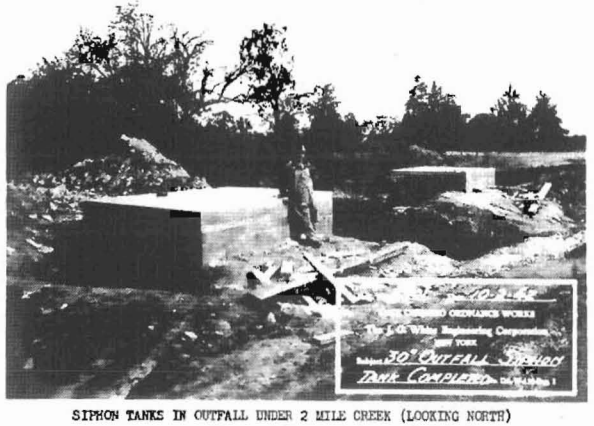



RIVER INTAKE WELL (LOOKING SOUTHWEST)

RIVER INTAKE - PUMPING STATION (LOOKING SOUTHEAST)

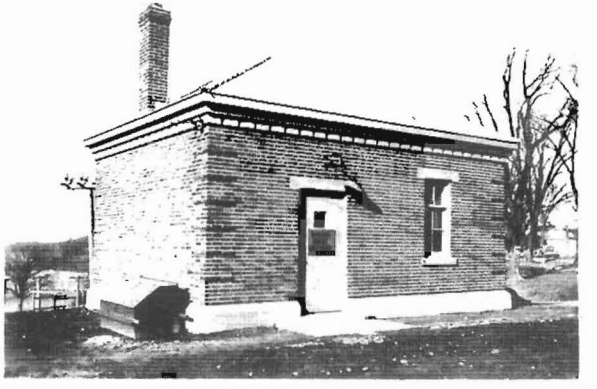


RIVER INTAKE - PUMPING STATION (LOOKING NORTHWEST)




SIPHON TANKS IN OUTFALL UNDER 2 MILE CREEK (LOOKING NORTH)

ROAD FROM INTAKE GATEHOUSE TO RIVER PUMPING STATION



INTAKE GATEHOUSE #404 (LOOKING NORTHWEST)

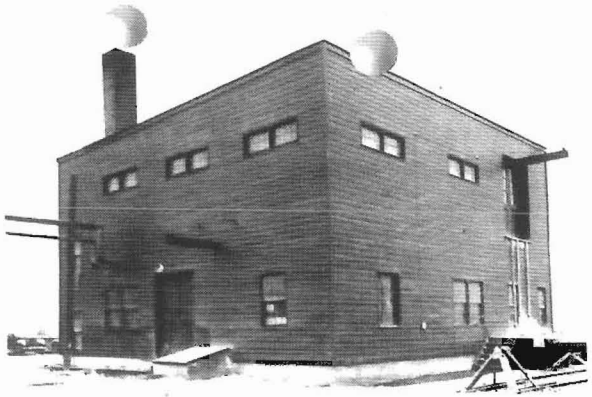
WATER TREATMENT PLANT, RESERVOIRS, SLURRY POOL, OUTFALL, SIPHON, INTAKE BUILDINGS AND ROADWAY

PLATE XIV

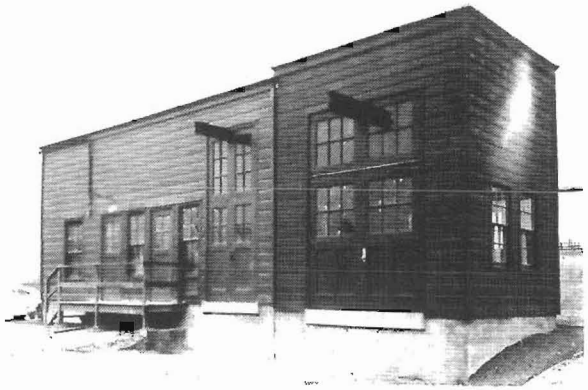


RODUCED AT THE NATIONAL ARCHIVES

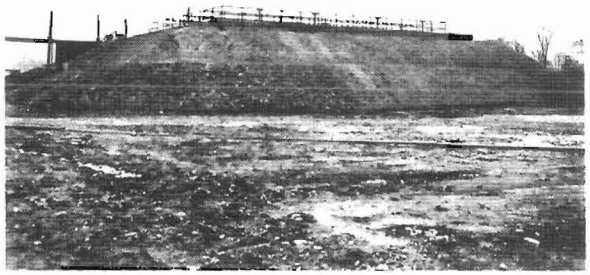
REPRODUCED AT THE NATIONAL ARCHIVES



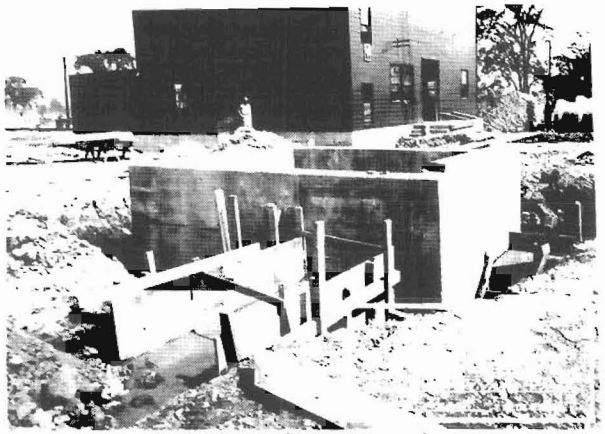
ACID NEUTRALIZATION BUILDING (LOOKING NORTHWEST)



SEWAGE DISPOSAL PUMP STATION (LOOKING SOUTHWEST)

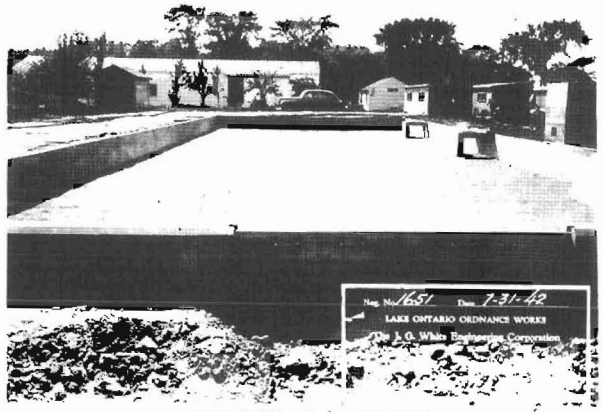


IMHOFF TANK (LOOKING NORTHWEST)

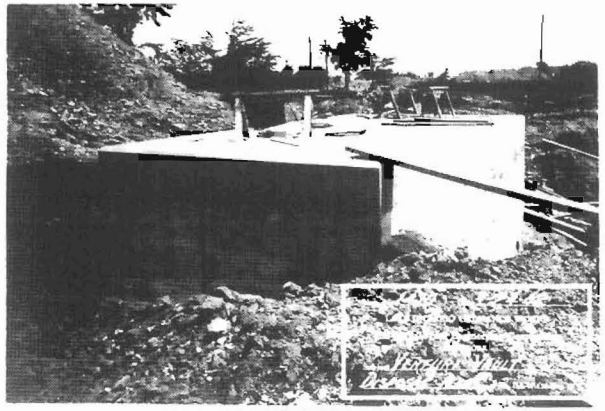


COLLECTION TANK (LOOKING NORTHEAST)

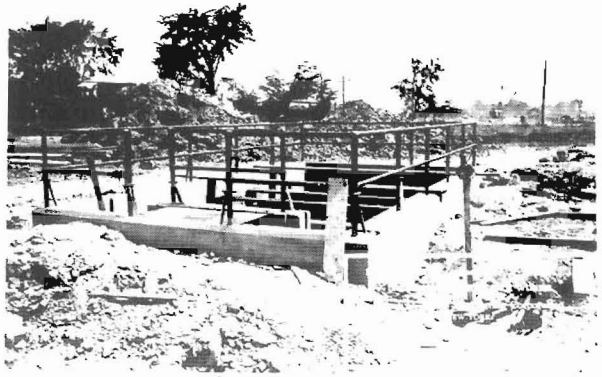
MIXING TANK (LOOKING NORTHEAST)




SOUTH SLUDGE BED (LOOKING WEST)



VENTURI VAULT (LOOKING NORTHEAST)



CHLORINE CONTACT TANK (LOOKING NORTHEAST)

OUTFALL HEAD TANK (LOOKING NORTHWEST)

SEWAGE TREATMENT AND ACID NEUTRALIZATION PLANT

PLATE XV

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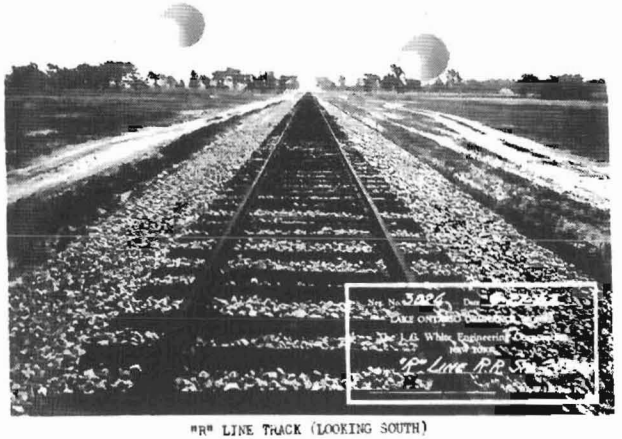
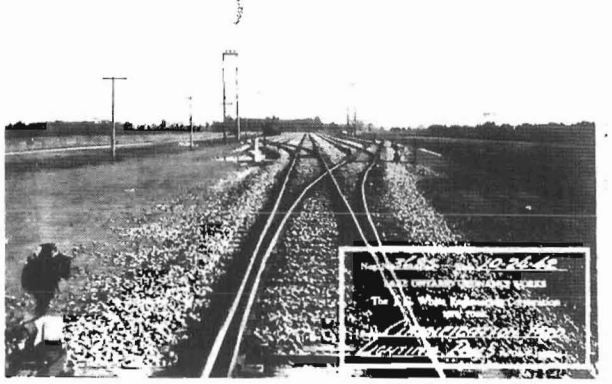


"B" LINE TRACK (LOOKING SOUTH)

RAILROAD TRACKS IN CLASSIFICATION YARD (LOOKING NORTHEAST)



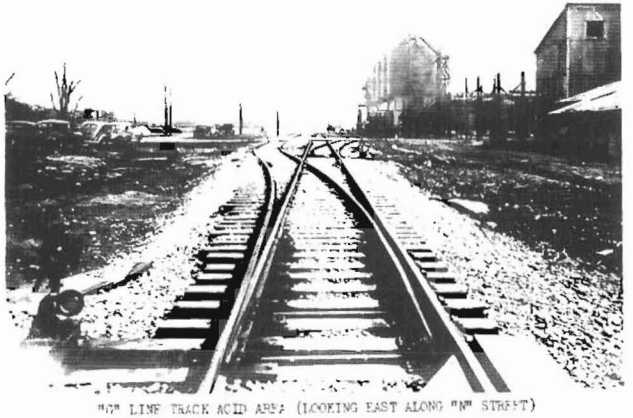
"A" LINE TRACK INTO CLASSIFICATION YARD (LOOKING NORTHEAST)

"C" LINE TRACK INTO COMBINED SHOPS (LOOKING WEST)

"B" LINE TRACK INTO LOCOMOTIVE HOUSE (LOOKING WEST)

"D" LINE TRACK Y INTO "A" LINE TRACK (LOOKING EAST)

"H-16" LINE TRACK INTO ACID AREA AND H-16-A SPUR (LOOKING SOUTH)



"G" LINE TRACK ACID AREA (LOOKING EAST ALONG "N" STREET)

"H" LINE TRACK T.N.T. AREA (LOOKING WEST)

PLATE XVI



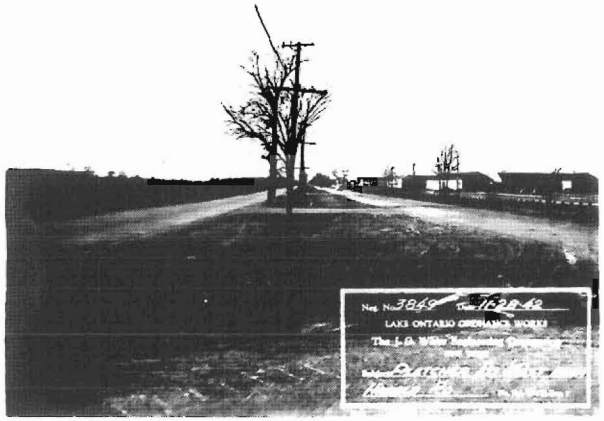


RODUCED AT THE NATIONAL ARCHIVES

PLETCHER ROAD START OF DOUBLE LANE (LOOKING EAST)

HAROLD ROAD LOOKING SOUTH TOWARD SWAN ROAD

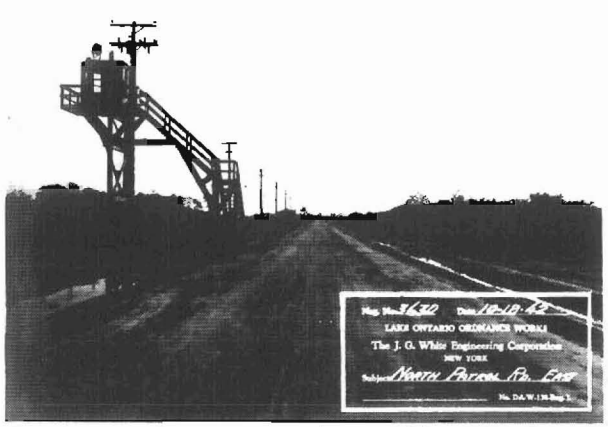
CAMPBELL STREET LOOKING SOUTH FROM "M" STREET



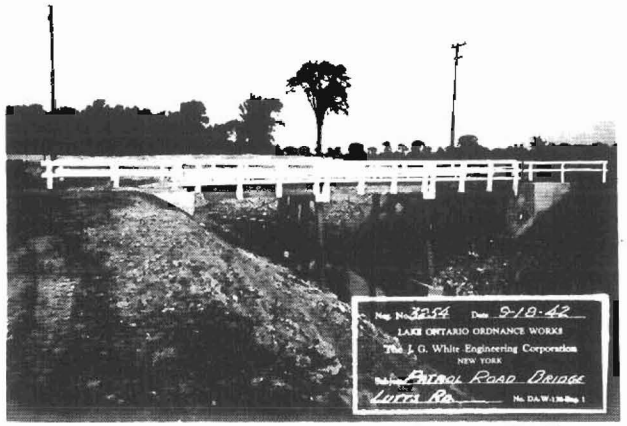

PLETCHER ROAD DOUBLE LANE (LOOKING WEST)

"O" ST. BETWEEN SHOP AND ACID AREA (LOOKING WEST)

EAST PATROL ROAD (LOOKING SOUTH)




NORTH PATROL ROAD (LOOKING EAST)




PATROL ROAD BRIDGE OVER CENTRAL DRAIN DITCH (LOOKING NORTHEAST)

BALMER ROAD BRIDGE OVER CENTRAL DRAIN DITCH (LOOKING NORTH)



REPRODUCED AT THE NATIONAL ARCHIVES

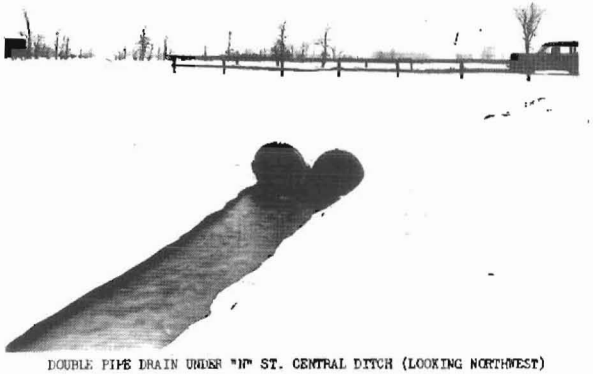
SOUTHWESTERN DRAIN DITCH (LOCKING NORTH)

CENTRAL DRAIN DITCH-AT MAGAZINE DITCH INLET (LOCKING SOUTH)

MAGAZINE AREA DRAINAGE DITCH (LOCKING WEST TOWARD CENTRAL DITCH)

CONCRETE PIPE DRAIN UNDER PLETCHER ROAD (SOUTHWESTERN DITCH)

CONCRETE PIPE DRAIN UNDER WEST PATROL ROAD (SIX MILE CREEK)



DOUBLE PIPE DRAIN UNDER "N" ST. CENTRAL DITCH (LOCKING NORTHWEST)

NEW DOUBLE CULVERT UNDER BALMER ROAD. S.W. DITCH (LOCKING NORTH)

ORIGINAL CULVERT UNDER BALMER ROAD S.W. DRAIN (LOCKING NORTHWEST)

OVERFLOW FROM PUMPING STATION BLDG #5412 INTO CENTRAL DITCH

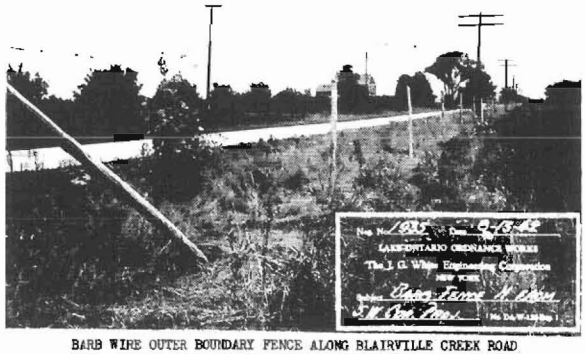
MAIN DRAINAGE DITCHES, CONCRETE PIPE DRAINS AND CULVERTS

PLATE XVIII

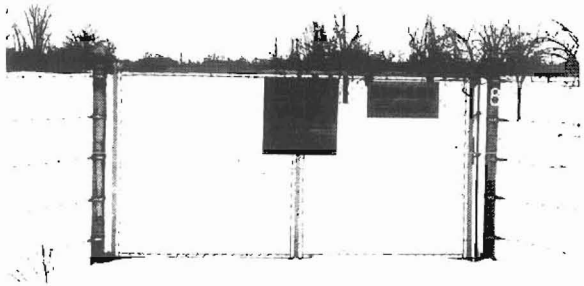
549

ED AT THE NATIONAL ARCHIVES

BARB WIRE OUTER BOUNDARY FENCE WEST SIDE INTAKE AREA

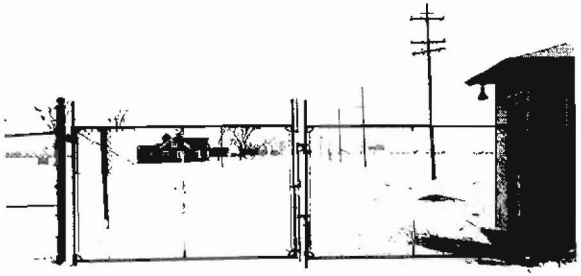


BARB WIRE OUTER BOUNDARY FENCE ALONG BLAIRVILLE CREEK ROAD

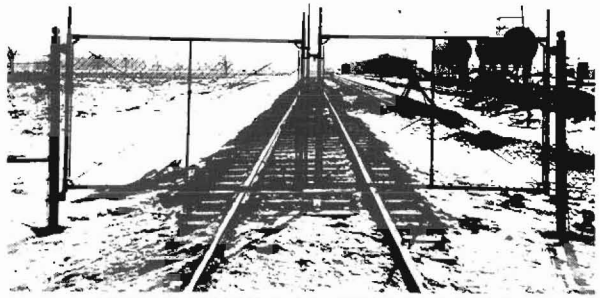


TYPICAL GATE IN BARB WIRE OUTER BOUNDARY FENCE

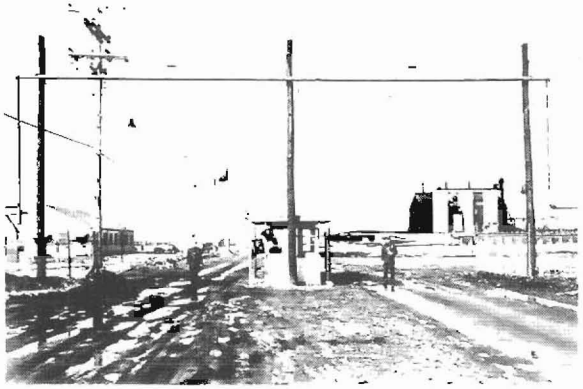
TYPICAL SECTION OF CLIMB PROOF INNER GUARD FENCE



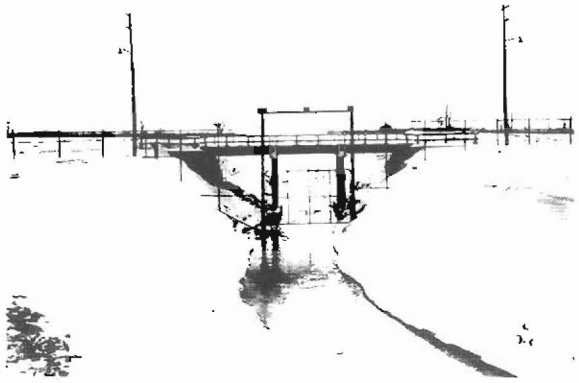
TYPICAL GATE IN CLIMB PROOF INNER GUARD FENCE



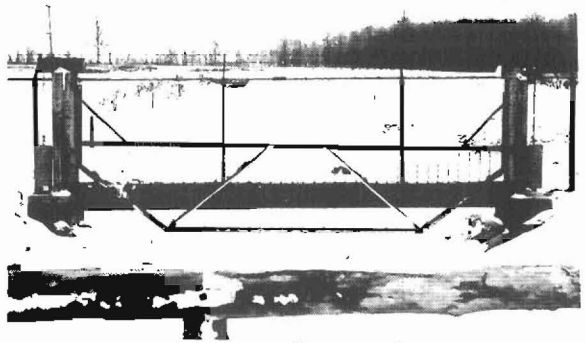
TYPICAL RAILROAD GATE IN CLIMB PROOF INNER GUARD FENCE



CAMPBELL ST. ENTRANCE GATE AT INNER GUARD FENCE



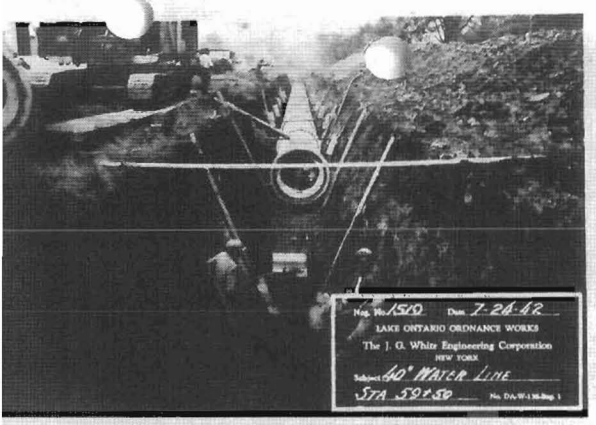
WINCH OPERATED GUARD GATE (CENTRAL DITCH) AT NORTH PATROL ROAD



COUNTER-WEIGHT GUARD GATE (12 MILE CREEK) EAST FENCE.

OUTER BOUNDARY AND INNER GUARD FENCES, ENTRANCE GATES AND DITCH GUARD GATES

PLATE XIX

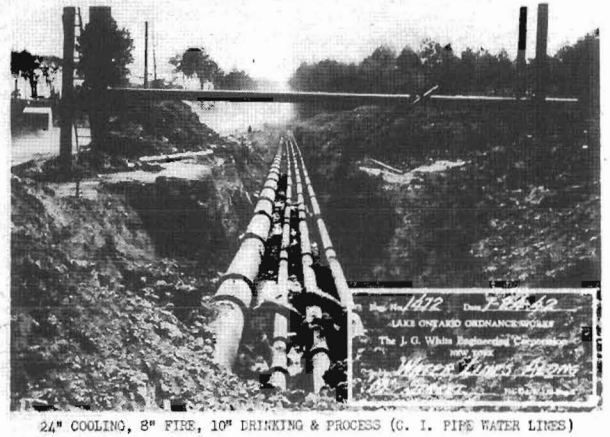



42" REINF. CONCRETE PIPE RAW WATER LINE (EARTH COVERED)

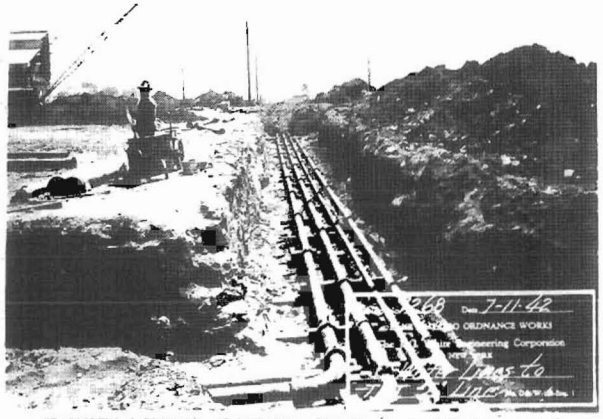
42" WOOD STAVE PIPE RAW WATER LINE

CONCRETE COVER FOR 42" WOOD STAVE PIPE RAW WATER LINE

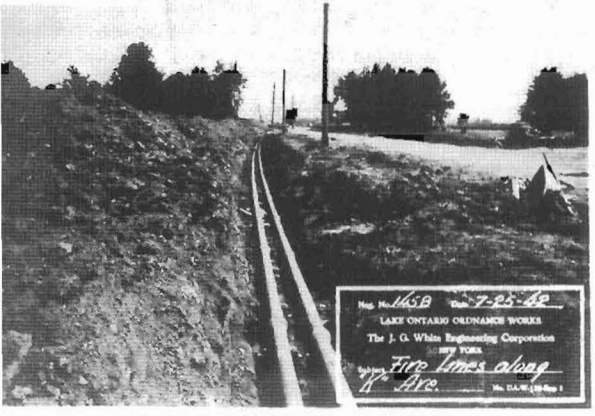
10" CAST IRON PIPE DRINKING WATER LINE



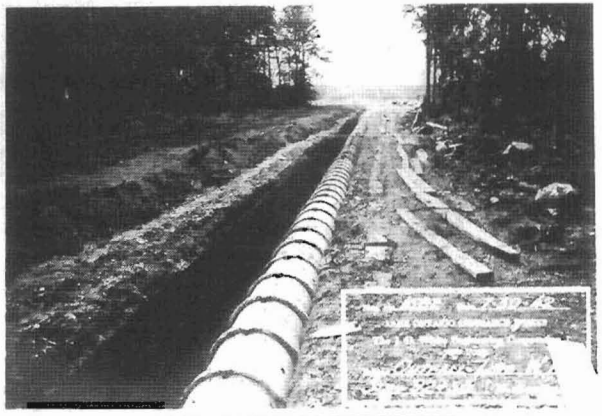

24" COOLING, 8" FIRE, 10" DRINKING & PROCESS (C. I. PIPE WATER LINES)




8" COOLING & PROCESS, 4" DRINKING, 8" FIRE (C. I. PIPE WATER LINES)




8" FIRE AND DRINKING WATER C. I. PIPE LINE

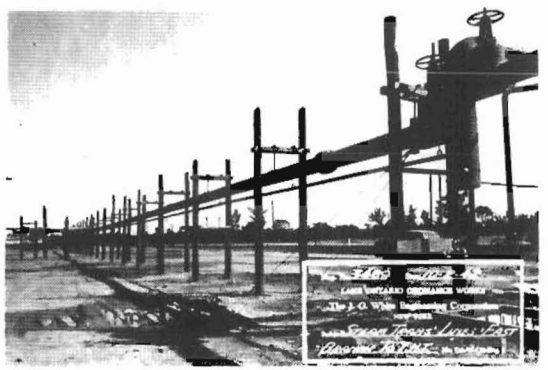


30" VITRIFIED TILE PIPE WASTE WATER LINE

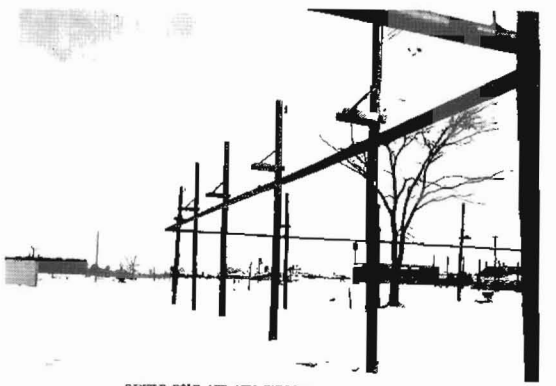
CONCRETE COVER FOR 30" WASTE WATER LINE

SECTIONS OF WATER PIPE LINES FOR RAW WATER, DRINKING, COOLING, PROCESS, FIRE AND WASTE

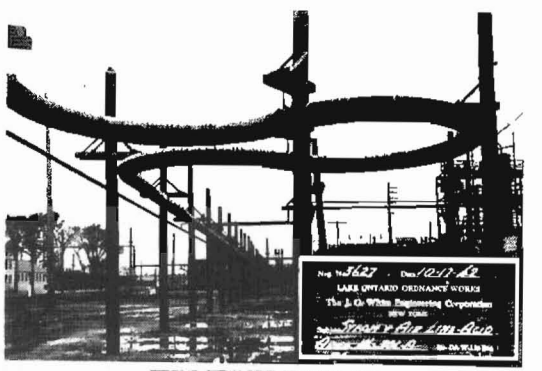
PLATE XX



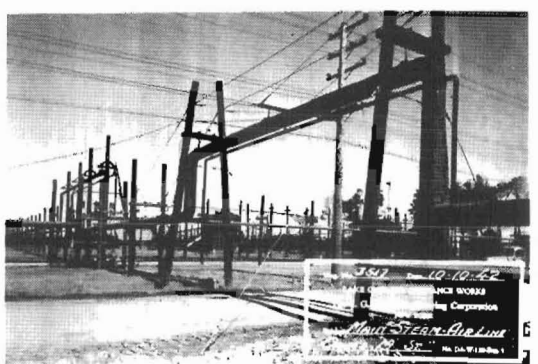
DOUBLE POLE SUPPORT FOR STEAM AND AIR LINES



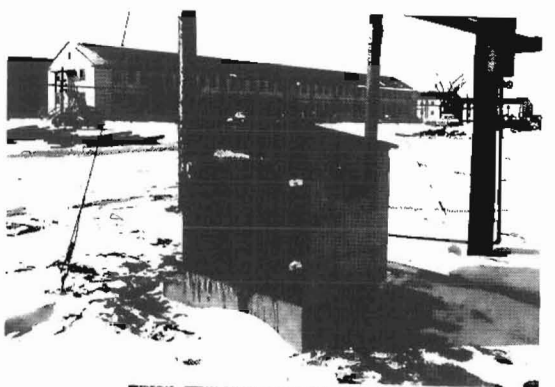
SINGLE POLE AND ARM SUPPORT FOR STEAM LINE



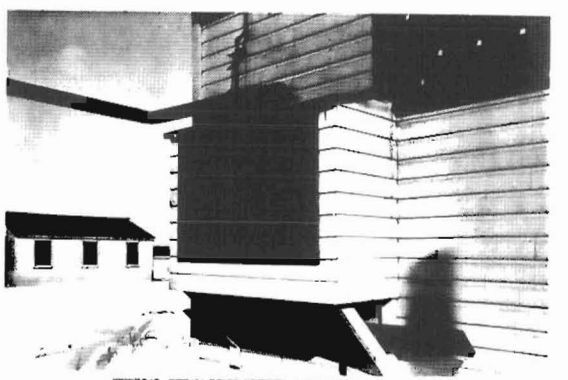

TYPICAL STEAM LINE EXPANSION BEND



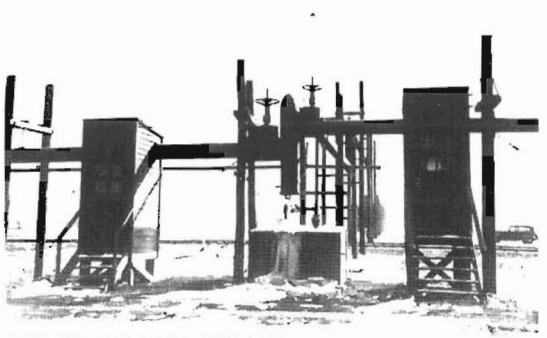
10" STEAM AND 3" AIR LINE ROAD CROSSING AT "M" STREET



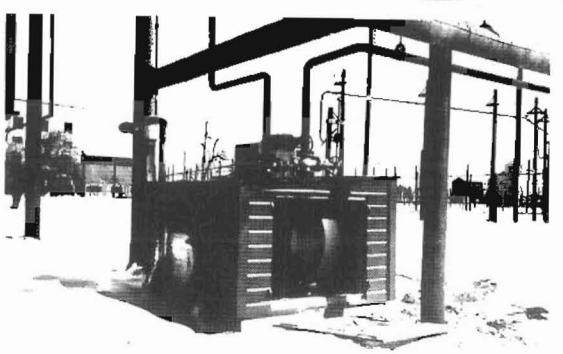
TYPICAL STEAM LINE GROUND DRIP TRAP HOUSE



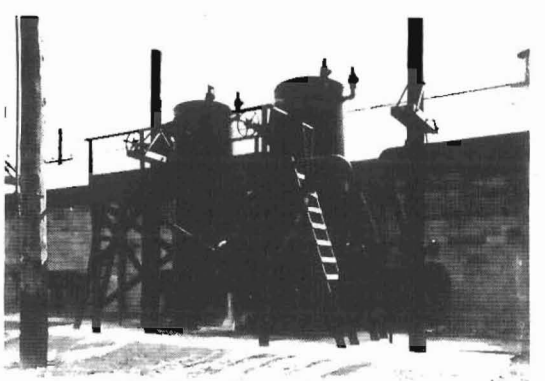
TYPICAL STEAM LINE PRESSURE REDUCING ENCLOSURE



[illegible] STEAM LINES, FLOW METER HOUSES & 3" AIR LINE PRESSURE REDUCING HOUSE



TYPICAL AIR LINE PRESSURE REDUCING HOUSE

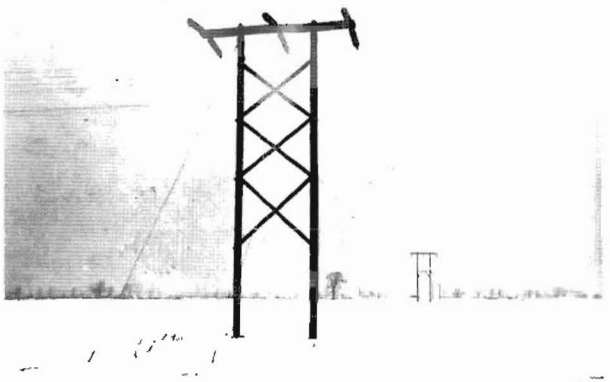


AIR SEPARATOR BLOW OFF TANKS AT COMPRESSOR HOUSE

STEAM AND AIR LINES, DRIP TRAP, FLOW METER AIR PRESSURE REDUCING HOUSES

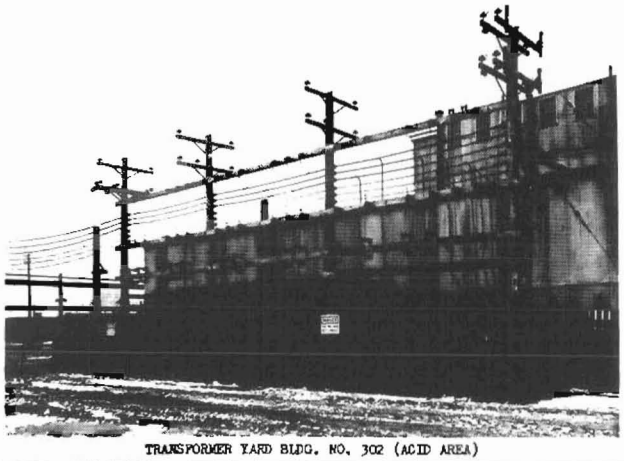
PLATE XXI

BUFFALO NIAGARA ELECTRIC 115 K. V. TRANSMISSION LINE (TANGENT CONSTRUCTION)

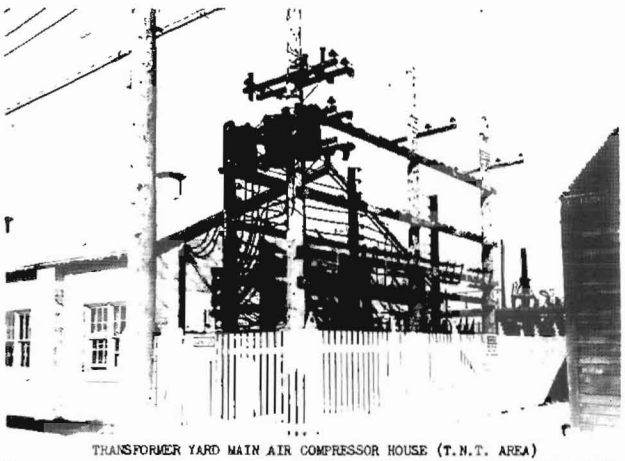


BUFFALO NIAGARA ELECTRIC 115 K. V. TRANSMISSION LINE (ANGLE CONSTRUCTION)

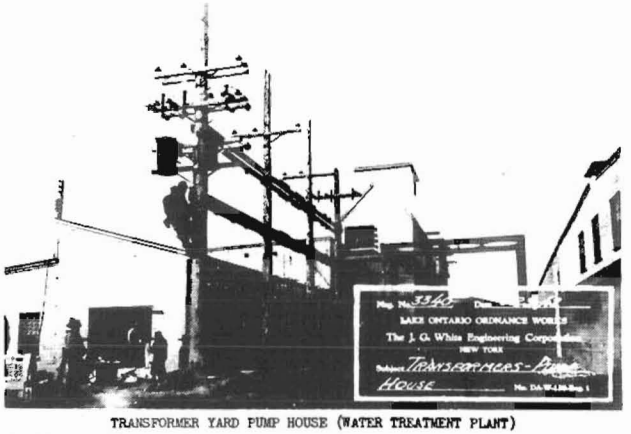
6.9 K. V. POWER LINE FROM SUB-STATION TO INTAKE PLANT TRANSFORMERS.



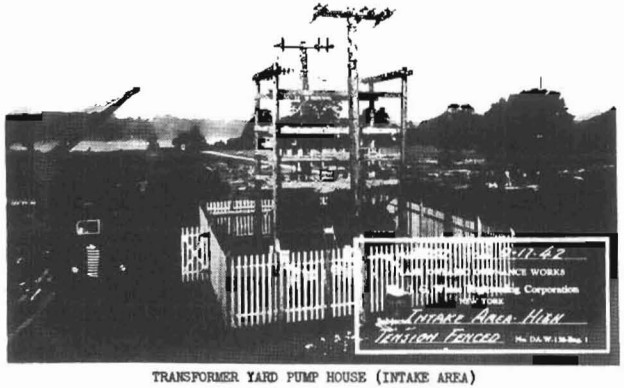
TRANSFORMER YARD BLDG. NO. 302 (ACID AREA)



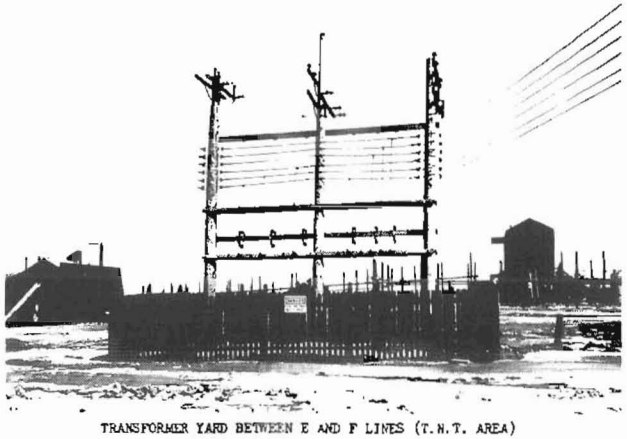
TRANSFORMER YARD MAIN AIR COMPRESSOR HOUSE (T.N.T. AREA)



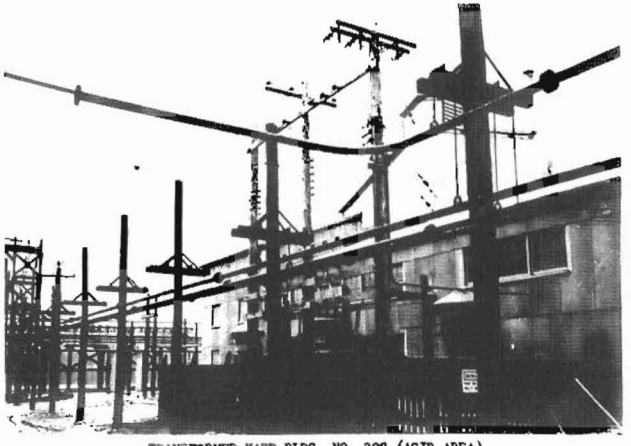

TRANSFORMER YARD PUMP HOUSE (WATER TREATMENT PLANT)




TRANSFORMER YARD PUMP HOUSE (INTAKE AREA)



TRANSFORMER YARD BETWEEN E AND F LINES (T.N.T. AREA)



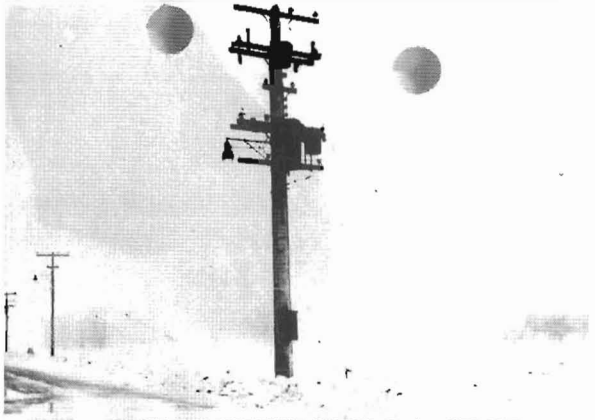
TRANSFORMER YARD BLDG. NO. 308 (ACID AREA)

115 K. V. TRANSMISSION LINES AND OUTDOOR SUBSTATIONS

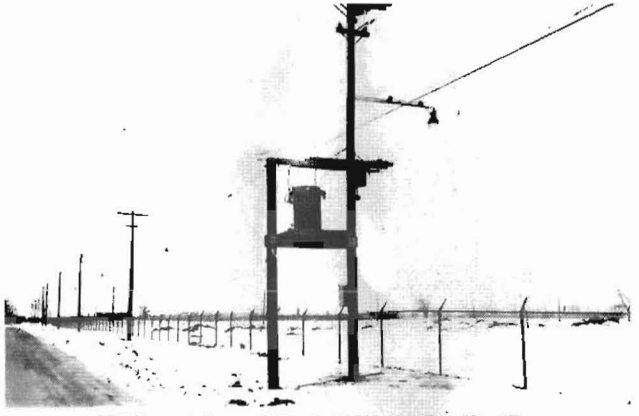
PLATE XXII

553

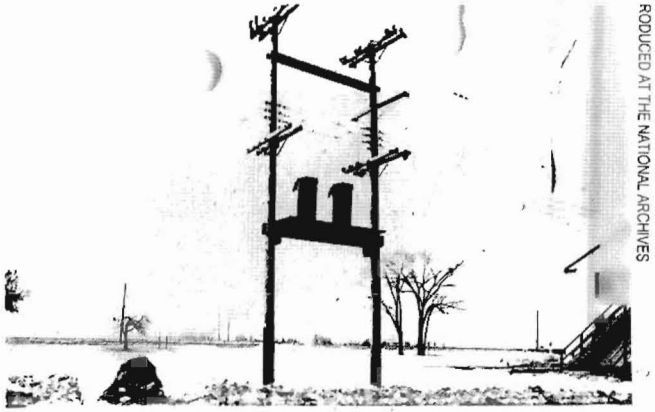
REPRODUCED AT THE NATIONAL ARCHIVES



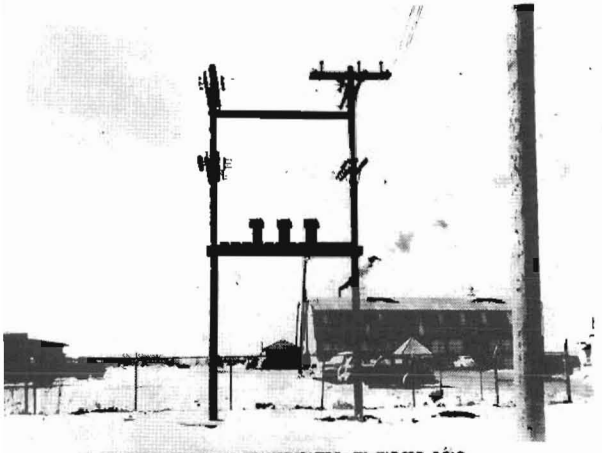
SINGLE CROSS ARM HUNG TRANSFORMER "K" AVE. NEAR BALMER ROAD



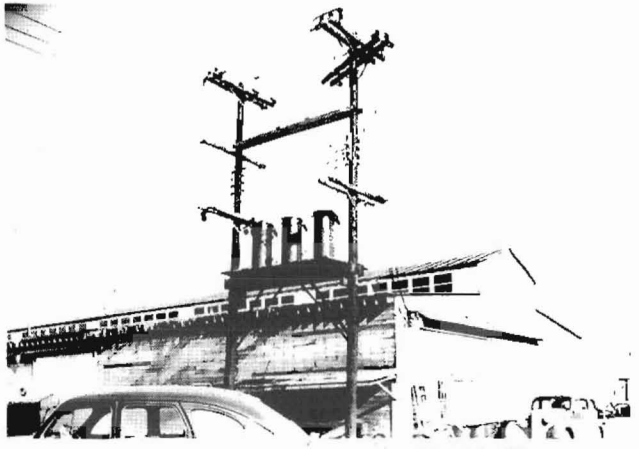
SINGLE PLATFORM TRANSFORMER ON "R" ST. NEAR "B" AVE.



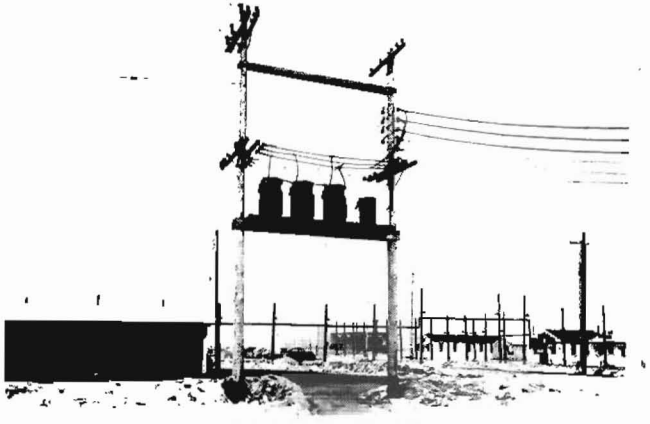
BANK OF 2 PLATFORM TRANSFORMERS EAST OF ADMINISTRATION BLDG.



BANK OF 3 PLATFORM TRANSFORMERS ON HAROLD ROAD



BANK OF 3 PLATFORM TRANSFORMERS IN BAKER SMITH AREA



BANK OF 4 PLATFORM TRANSFORMERS WEST OF CAFETERIA

FLOOD LIGHTING FOR CLASSIFICATION YARD

FLOOD LIGHTING FOR TRANSPORTATION AREA

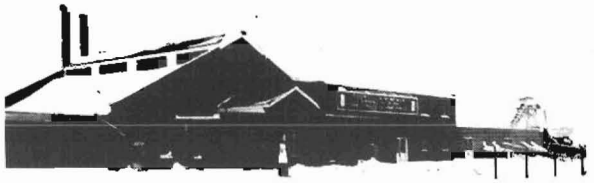
FLOOD LIGHTING FOR MAIN PARKING FIELD

TYPES OF TRANSFORMER and FLOOD LIGHTING STRUCTURES

PLATE XXIII

554

REPRODUCED AT THE NATIONAL ARCHIVES



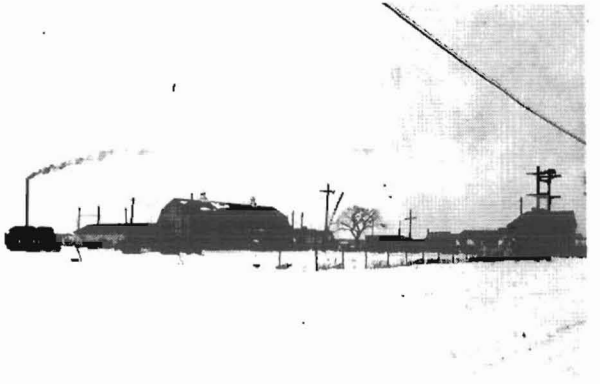
ORIGINAL TEMP. ADM. BLDG, FOR A.E.M. & U.S. ENGS. (LOOKING NORTHWEST)

ORIGINAL TEMP. ADM. BLDG, FOR A.E.M. & U.S. ENGS. (LOOKING SOUTHWEST)

ORIGINAL TEMP. ADM. BLDG, FOR A.E.M. & U.S. ENGS. (LOOKING SOUTHWEST)

OUTER FENCE ENTRANCE GATE ON LATTA ROAD (LOOKING NORTHEAST)

PRESBY. CHURCH REMODLED FOR A.E.M. TEMP. ENG. DEPT. (LOOKING SOUTHWEST)



TRANSPORTATION CENTER WEST OF HAROLD ROAD (LOOKING NORTHWEST)

CENTRAL RECEIVING & PROPERTY SECTION ON SWAN ROAD (LOOKING NORTHEAST)

ORIGINAL BARNS REAR OF E38 REMODLED FOR SHOPS (LOOKING SOUTHEAST)

ADDITIONS TO CENTER BARN REAR OF E38 FOR CARPENTER SHOP (LOOKING NORTHWEST)

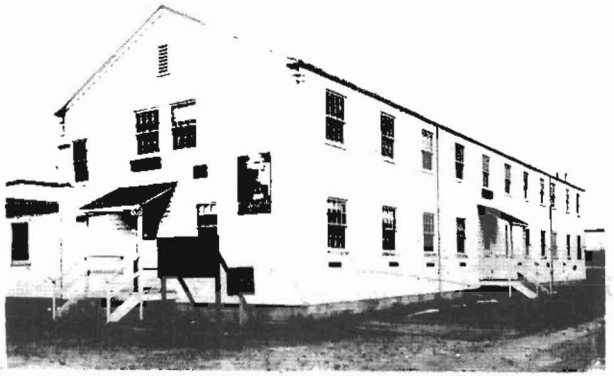
EARLY TEMPORARY OFFICES, RECEIVING AND CONSTRUCTION FACILITIES

PLATE XXIV

555

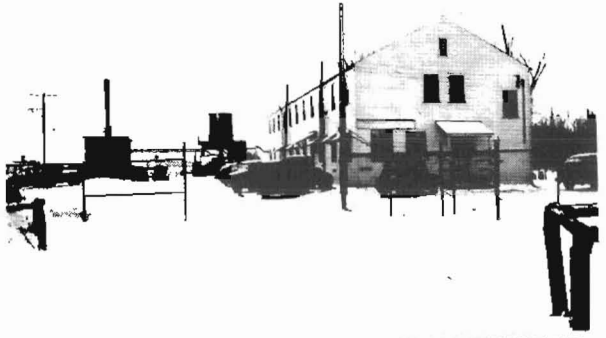
REPRODUCED AT THE NATIONAL ARCHIVES

A.E.M. BLDG. NO. 1;U. S. ENGINEERS PROJECT OFFICE



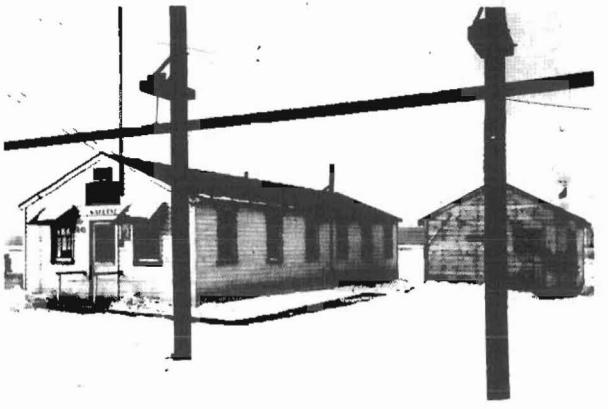
A.E.M. BLDG. NO. 2;J. G. WHITE ADMINISTRATION AND ENGINEERING OFFICE

A.E.M. BLDG. NO. 3;J. G. WHITE PAYROLL AND ACCOUNTING OFFICE



A.E.M. BLDG. NO. 4;J. G. WHITE ADMINISTRATION OFFICE OF CONSTRUCTION DEPT.

TIME OFFICE NO. 1 BUILDINGS-ADMINISTRATION AREA



OFFICE OF AUXILIARY FEATURES AND SAFETY DIVISION

OFFICE OF MATERIAL CONTROL AND RECORDS

OFFICE OF COST CONTROL

STORAGE AREA FOR FIELD BUILDINGS USED DURING CONSTRUCTION

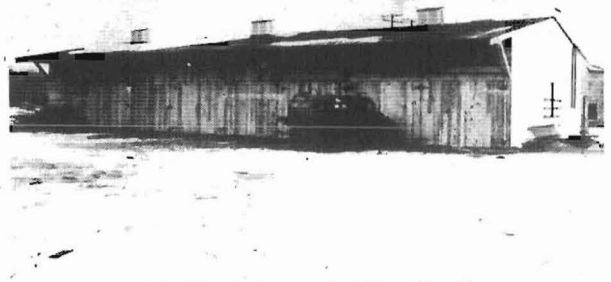
TEMPORARY OFFICE BUILDINGS CONSTRUCTED AT SITE AND USED DURING THE CONSTRUCTION OF THE PROJECT

PLATE XXV



RODUCED AT THE NATIONAL ARCHIVES

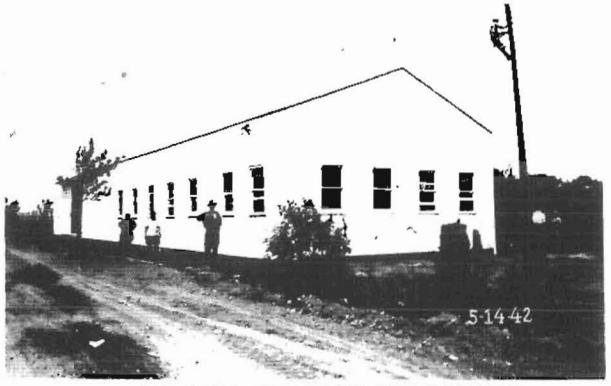
BAKER SMITH FIELD OFFICE (LOOKING NORTHEAST)



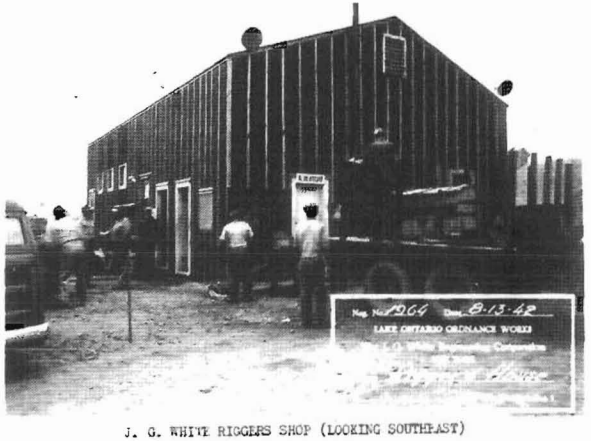
BAKER SMITH WELDING SHOP (LOOKING NORTHWEST)

BAKER SMITH MACHINE SHOP (LOOKING NORTHWEST)

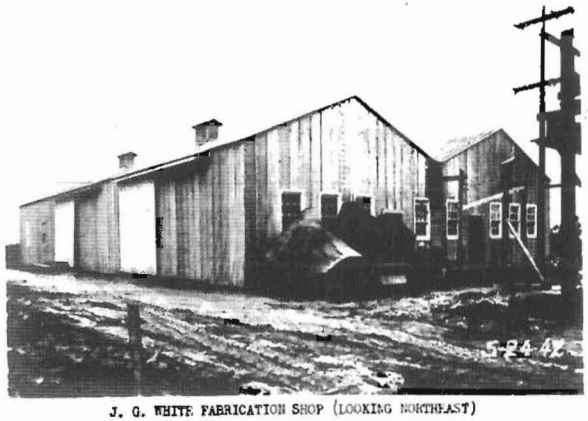
BAKER SMITH PIPE SHOP (LOOKING NORTHEAST)



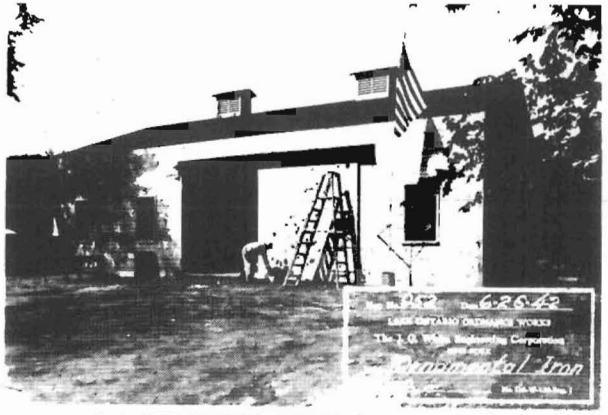

LORD ELECTRIC FIELD OFFICE AND SHOP (LOOKING NORTHEAST)




J. G. WHITE RIGGERS SHOP (LOOKING SOUTHEAST)




J. G. WHITE FABRICATION SHOP (LOOKING NORTHEAST)

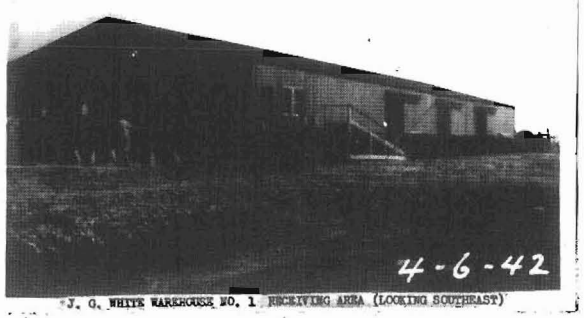



J. G. WHITE ORNAMENTAL IRON SHOP (LOOKING SOUTHEAST)

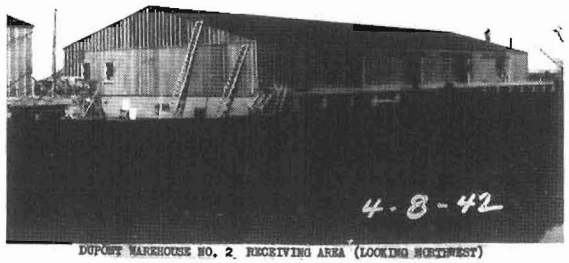
J. G. WHITE PAINT SHOP AND STORAGE (LOOKING NORTHEAST)

TEMPORARY OFFICES AND SHOPS IN CONSTRUCTION SHOPS AREA

PLATE XXVI

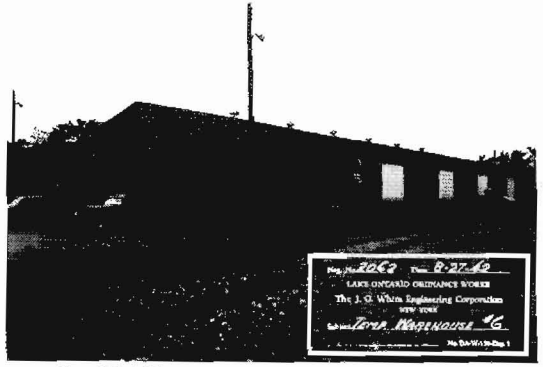



J. G. WHITE WAREHOUSE NO. 1 RECEIVING AREA (LOOKING SOUTHEAST)



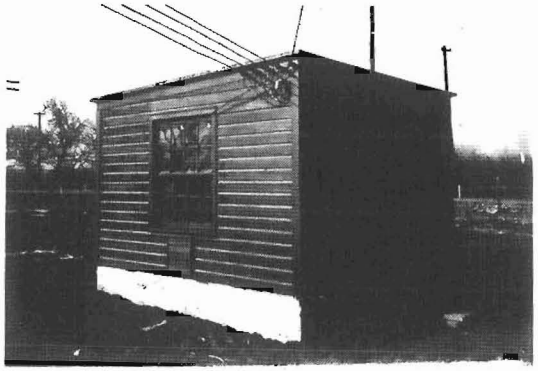

DUPONT WAREHOUSE NO. 2 RECEIVING AREA (LOOKING NORTHWEST)

J. G. WHITE WAREHOUSE NO. 3 RECEIVING AREA (LOOKING SOUTHEAST)

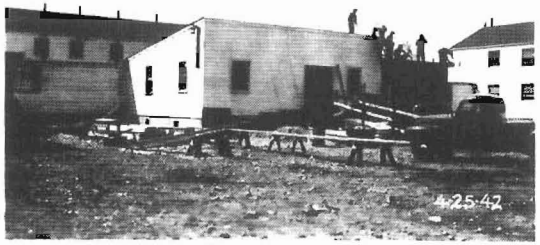



BAKER-SMITH WAREHOUSE NO. 6 COKER. SHOPS AREA (LOOKING WEST)

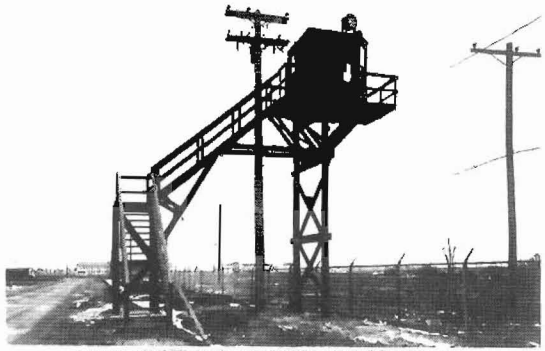
BAKER-SMITH PIPE UNLOADING PLATFORMS



CREEK ROAD CHLORINATION STATION (LOOKING SOUTHWEST)



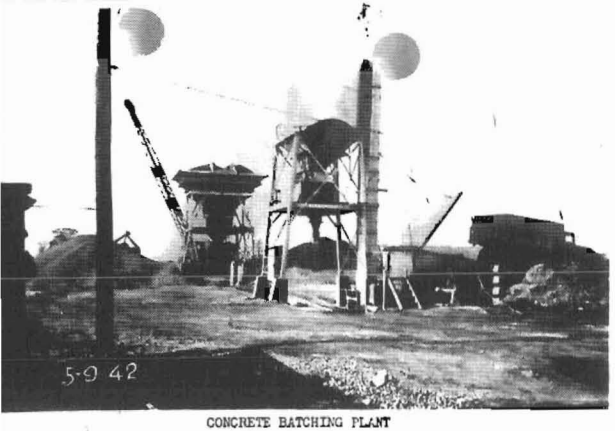

REPRODUCTION ROOM AND FIREPROOF VAULT, ADM. AREA (LOOKING SOUTHWEST)



TYPICAL ELEVATED GUARD HOUSE ALONG INNER GUARD FENCE

TEMPORARY WAREHOUSES AND PIPE PLATFORMS, ELEVATED GUARD HOUSE AND CHLORINATION STATION

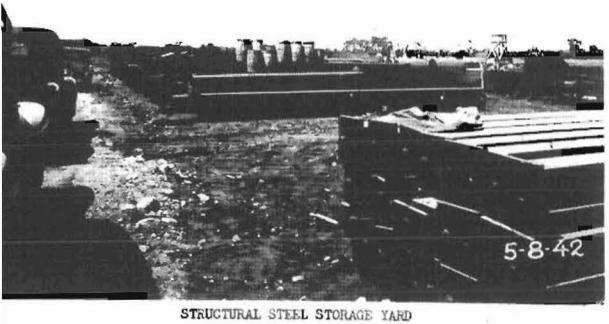
PLATE XXVII



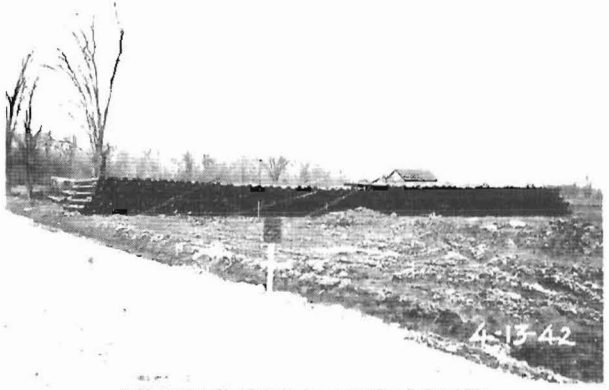

CONCRETE BATCHING PLANT

CONCRETE PIPE MANUFACTURING YARD

CONCRETE PIPE BATCHING PLANT



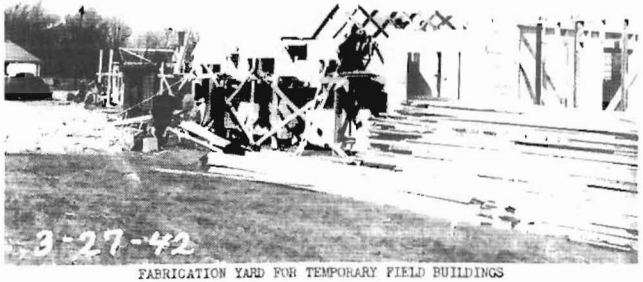

STRUCTURAL STEEL STORAGE YARD




CAST IRON PIPE STORAGE FOR DRINKING WATER LINE

LUMBER STORAGE YARD

FABRICATION YARD FOR SENTRY HOUSE




FABRICATION YARD FOR TEMPORARY FIELD BUILDINGS

EQUIPMENT USED FOR PLACING RIVER SECTIONS OF PIPE LINES

559

CONCRETE BATCHING PLANTS, FABRICATION AND STORAGE YARDS AND PIPE HANDLING EQUIPMENT

PLATE XXVIII

E 93 - YOUNGSTOWN ROAD

E 117 - BLAIRVILLE CREEK ROAD

E 25 - SWAN ROAD

E 76 - BLAIRVILLE CREEK ROAD

E 115 - BLAIRVILLE CREEK ROAD

E 39 - FLETCHER ROAD

E 113 - BLAIRVILLE CREEK ROAD

E 112 - BLAIRVILLE CREEK ROAD

E 27 - SWAN ROAD

HOUSES REMODELED FOR OCCUPANCY AS STAFF RESIDENCES

PLATE XXIX



RODUCED AT THE NATIONAL ARCHIVES

E 91 - PORTER CENTER ROAD

E 128 - BLAIRVILLE CREEK ROAD

E 106 - LUTTS ROAD

E 38 - FLETCHER ROAD

E 121 - BLAIRVILLE CREEK ROAD

E 18 - SWAN ROAD

E 116 - BLAIRVILLE CREEK ROAD

E 108 - CAIN ROAD

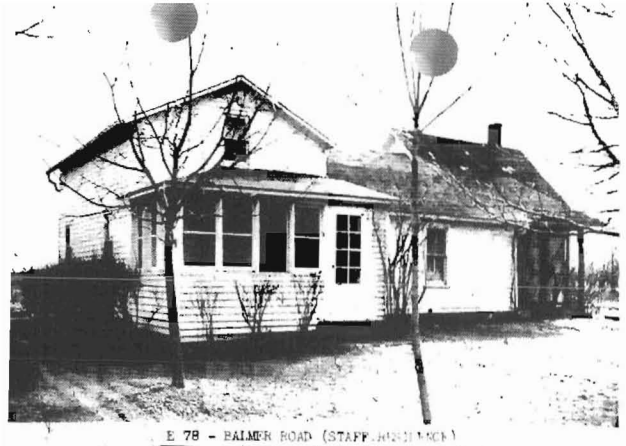
E 111 - CAIN ROAD

HOUSES REMODELED FOR OCCUPANCY AS STAFF RESIDENCES

PLATE XXX



REPRODUCED AT THE NATIONAL ARCHIVES



E 78 - BALMER ROAD (STAFF RESIDENCE)

E [illegible] - [illegible] ROAD ([illegible] RESIDENCE)

E 11 - LATTA ROAD (ORIGINAL ORDNANCE OFFICE)

E 1 - LATTA ROAD (E. I. [illegible])

E 21 - [illegible]

E 13 - HAROLD ROAD (ORIGINAL J. G. WHITE CONSTR. OFFICE)

E 44 - PLETCHER ROAD (J. G. WHITE RAILROAD FIELD OFFICE)

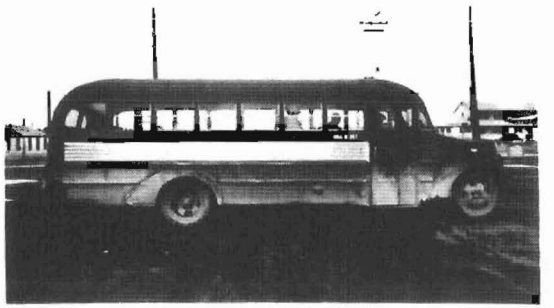
E 85 - BALMER ROAD (J. G. [illegible] FIRST-AID STATION)

E 40 - PLETCHER ROAD (PROJECT INFIRMARY AND FIRST-AID STATION)

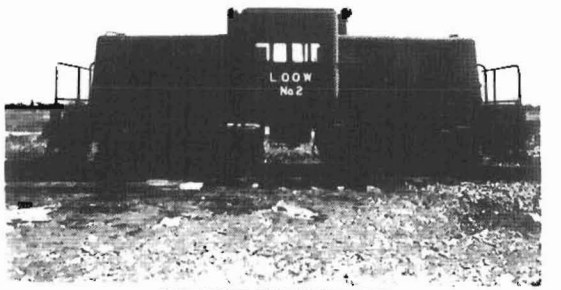
HOUSES REMODELED FOR USE AS STAFF RESIDENCE, OFFICES, FIRST-AID STATIONS

PLATE XXXI

TRUCK FOR TRANSPORTATION OF EXPLOSIVES

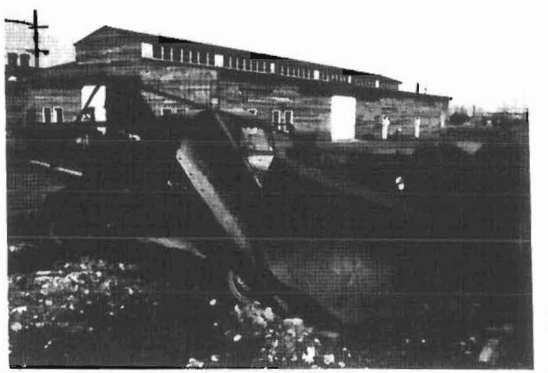


BUS FOR INTER-PLANT TRANSPORTATION



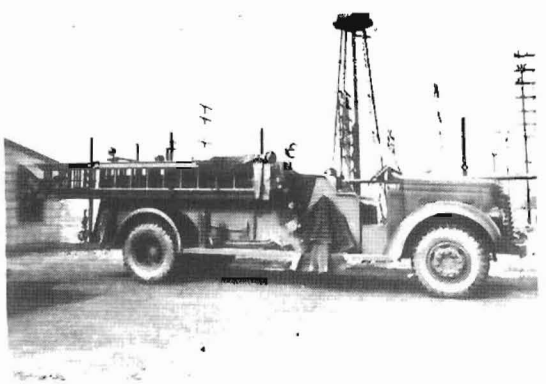

PORTER DIESEL ELECTRIC LOCOMOTIVE

RAILROAD TRACK SNOW PLOW

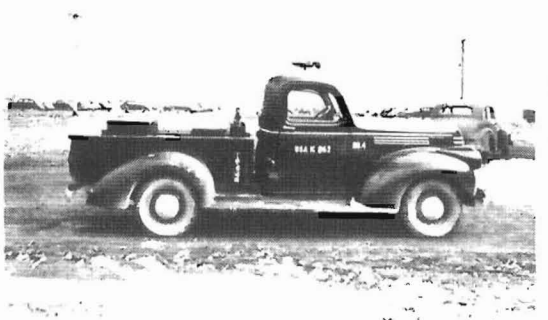


DOUBLE BLADE TRUCK SNOW PLOW

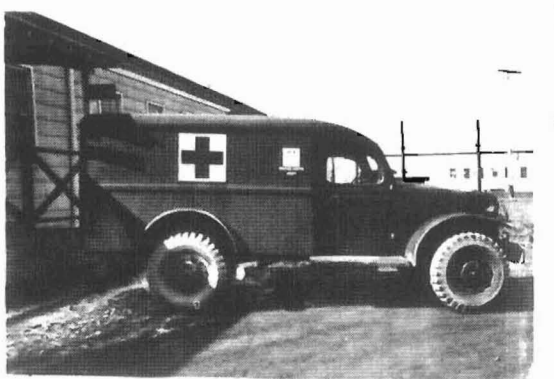
GUARD PATROL CAR



FIRE ENGINE TRUCK



CHEMICAL EMERGENCY FIRE TRUCK



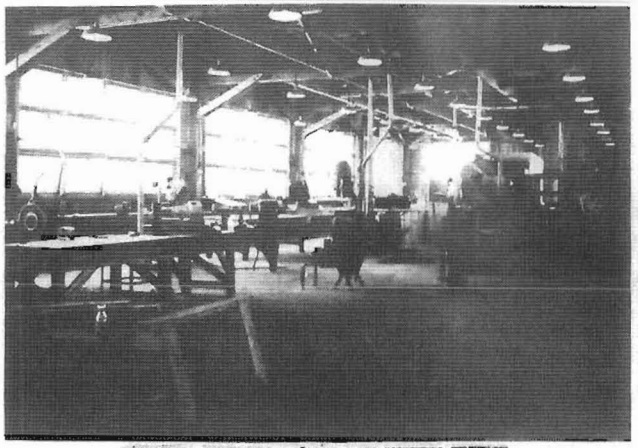
PLANT AMBULANCE

MOBILE MECHANIZED PLANT EQUIPMENT

PLATE XXXII

REPRODUCED AT THE NATIONAL ARCHIVES

COMBINED SHOPS BLDG. #717, MACHINE SHOP SECTION



COMBINED SHOPS BLDG. #717, WOOD WORKING SECTION

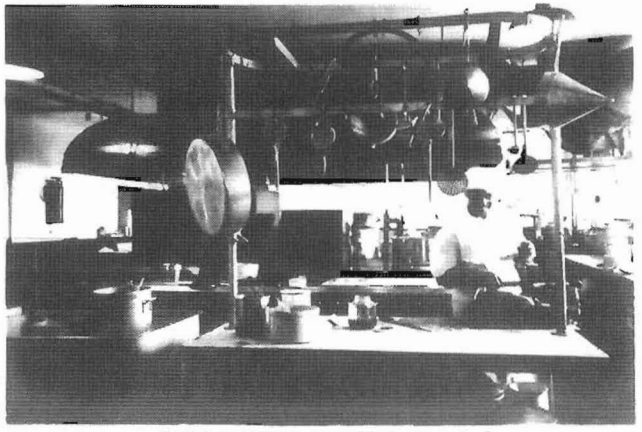
COMBINED SHOPS BLDG. #717, SHEET METAL SECTION

TYPICAL INTERIOR EQUIPMENT FOR AREA SHOPS #722

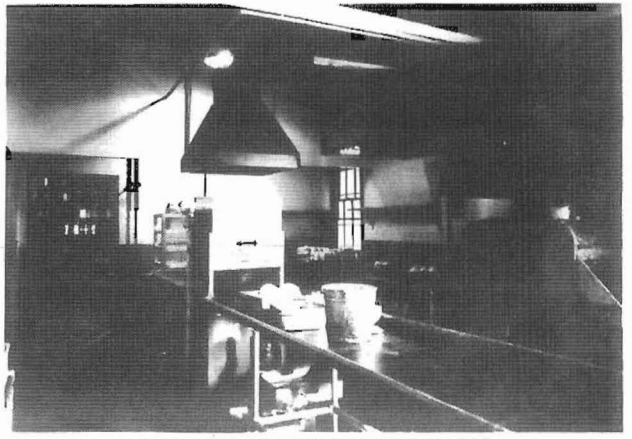
DINING ROOM SECTION OF CAFETERIA BLDG. #708

SERVING COUNTER SECTION OF CAFETERIA BLDG. #708

STORAGE BIN ARRANGEMENT IN GENERAL STOREHOUSE BLDG. #713



SECTION OF KITCHEN IN CAFETERIA BLDG. #708

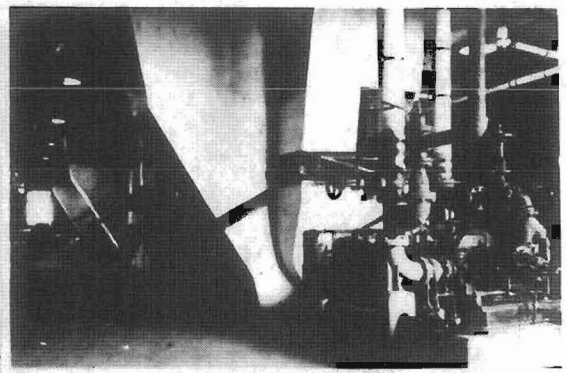


DISH WASHING SECTION IN CAFETERIA BLDG. #708

INTERIOR VIEWS OF COMBINED SHOPS, AREA SHOPS, GENERAL STOREHOUSE AND CAFETERIA BLDG.

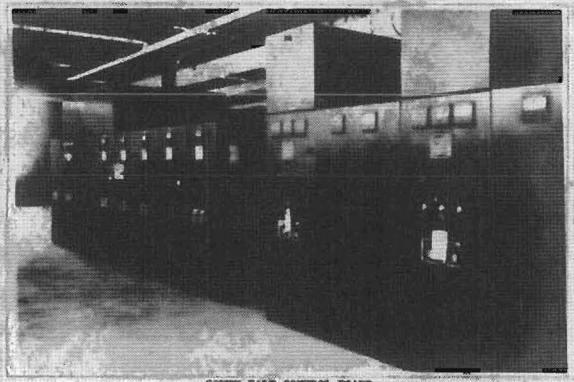
PLATE XXXIII

564

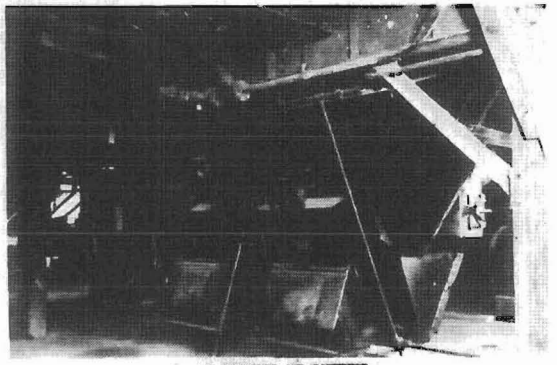


INDUCED DRAFT FAN INSTALLATION

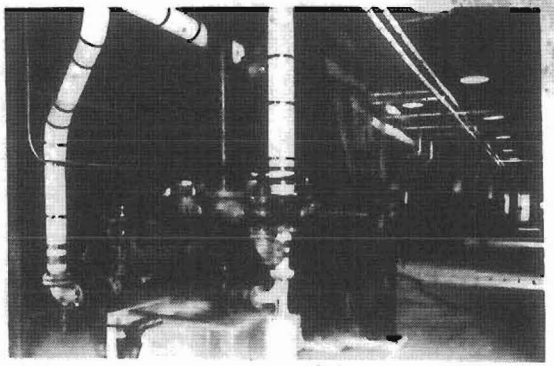
500 KVA - TURBINE GENERATOR



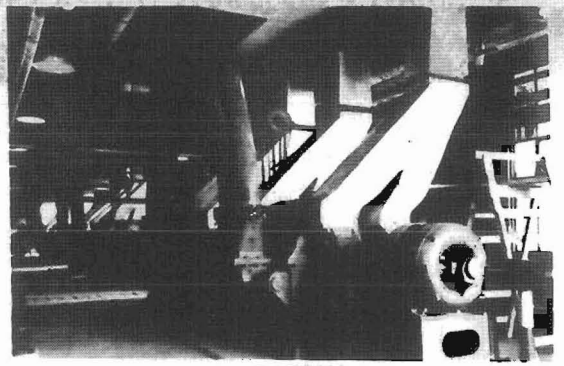
SOUTH HALF CONTROL BOARD



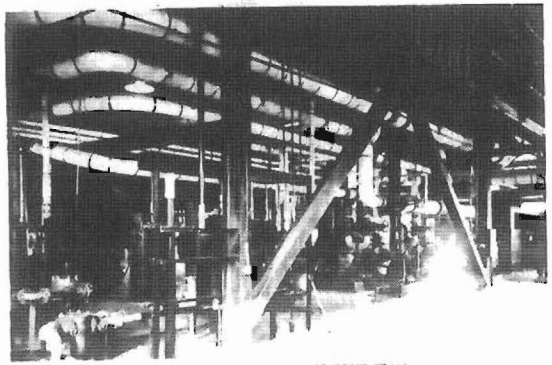
ASH RECEIVER AND CONVEYOR

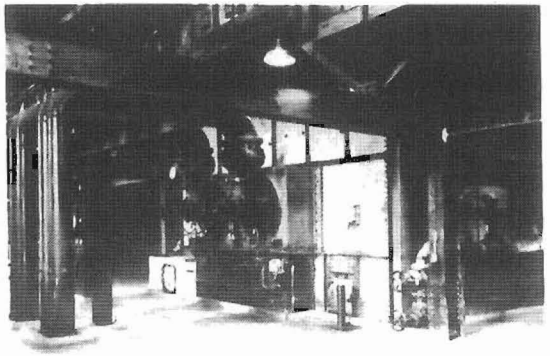


FORCED DRAFT EQUIPMENT



COAL PULVERIZERS





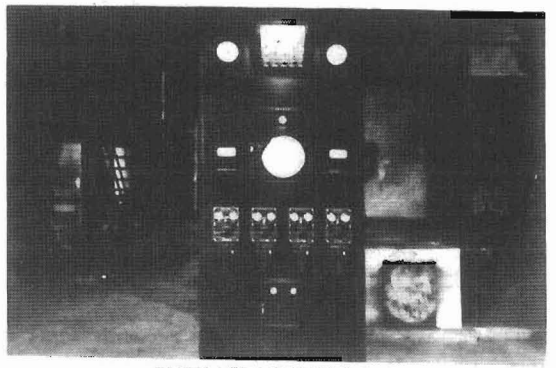
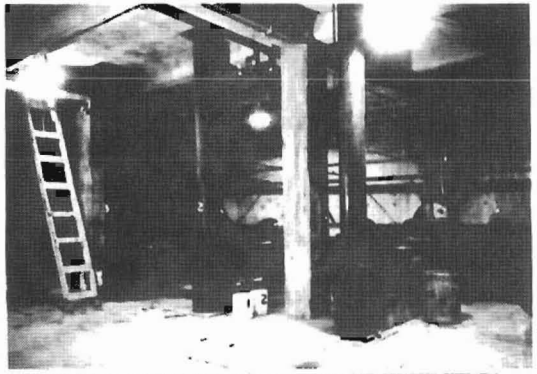
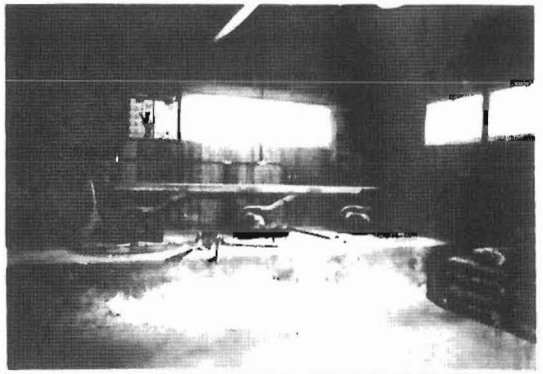


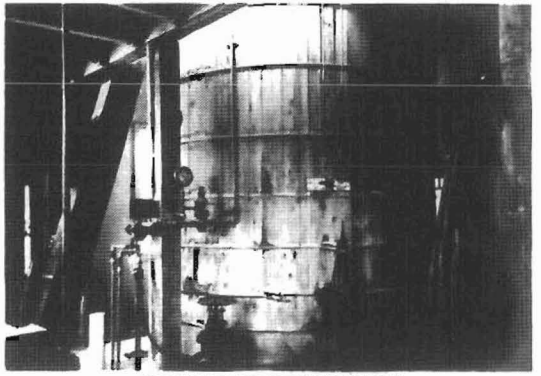
PLATE XXXIV



INTAKE PIPES AND VALVES IN BASEMENT OF ACID NEUTRALIZATION BUILDING

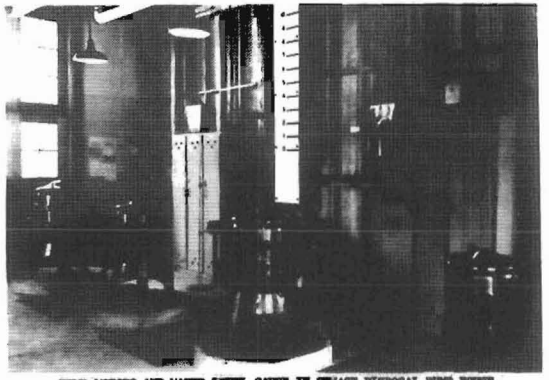


LIME CHUTES INTO LIME TANK BELOW, ACID NEUTRALIZATION BLDG.

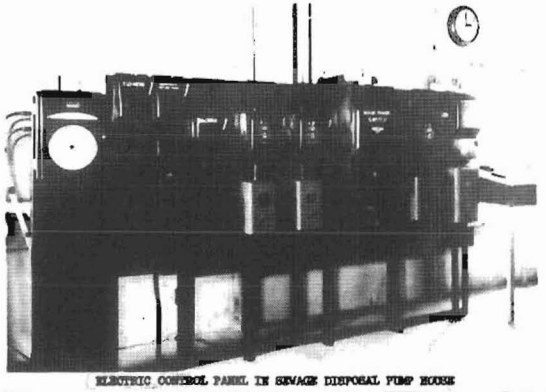


LIME TANK IN ACID NEUTRALIZATION BLDG.

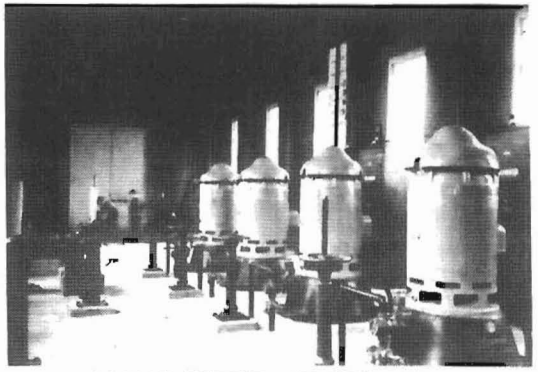
TESTING LABORATORY IN ACID NEUTRALIZATION BLDG.

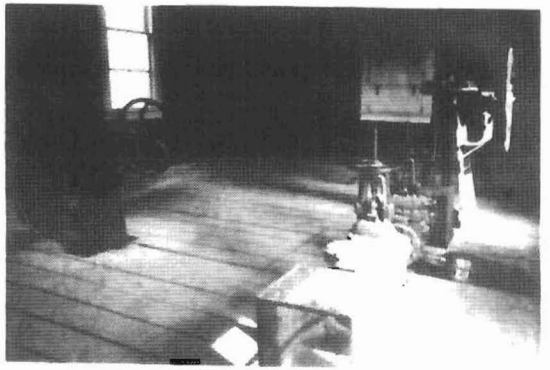


PUMP MOTORS AND WATER LEVEL GAUGE IN SEWAGE DISPOSAL PUMP HOUSE



ELECTRIC CONTROL PANEL IN SEWAGE DISPOSAL PUMP HOUSE





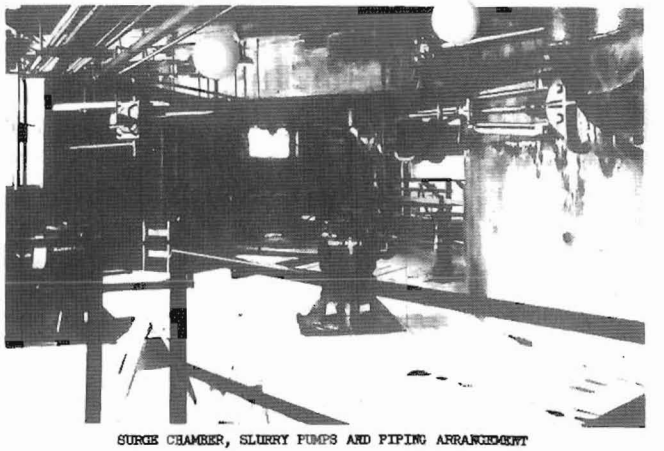
VALVE CHAMBER IN THE GATE HOUSE AT THE INTAKE

INTERIOR VIEWS OF NEUTRALIZATION BLDG., SEWAGE DISPOSAL PUMP HOUSE, WATER TREATMENT PUMP HOUSE AND RIVER INTAKE

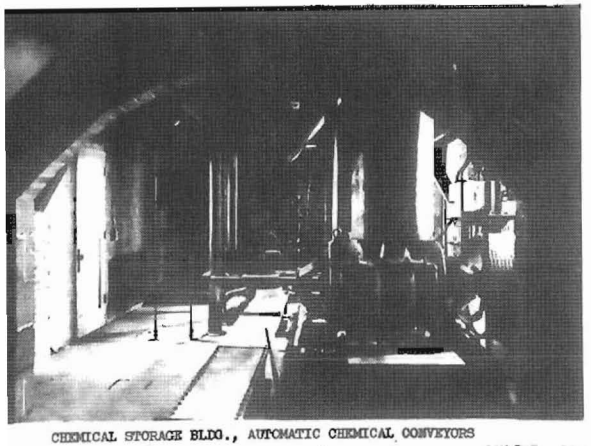
PLATE XXXV

PUMP HOUSE, ROTARY COOLING WATER PUMPS

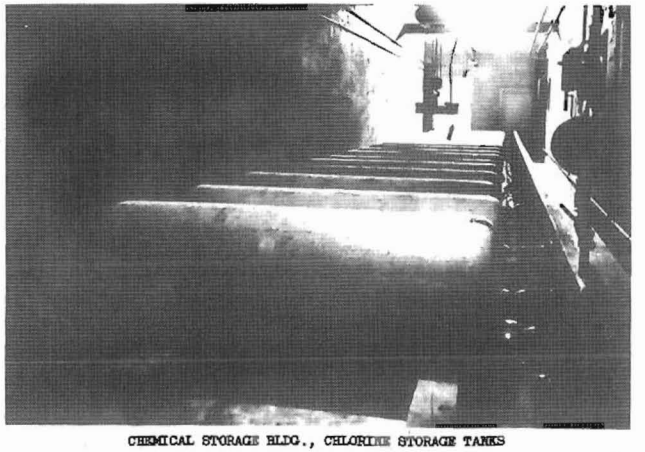
PUMP HOUSE, VALVES AND PUMPS FOR PLANT WATER SUPPLY



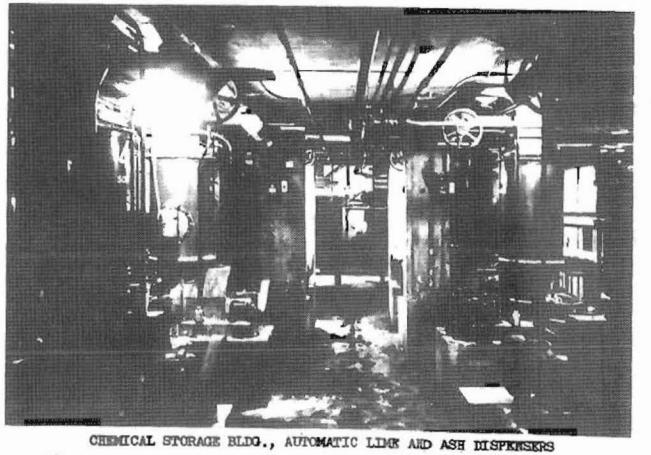
SURGE CHAMBER, SLURRY PUMPS AND PIPING ARRANGEMENT



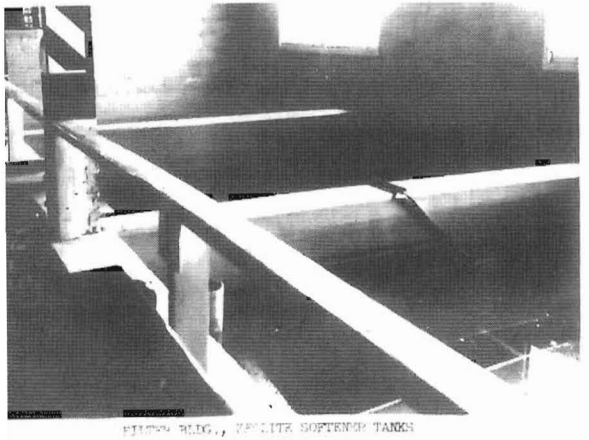
CHEMICAL STORAGE BLDG., AUTOMATIC CHEMICAL CONVEYORS



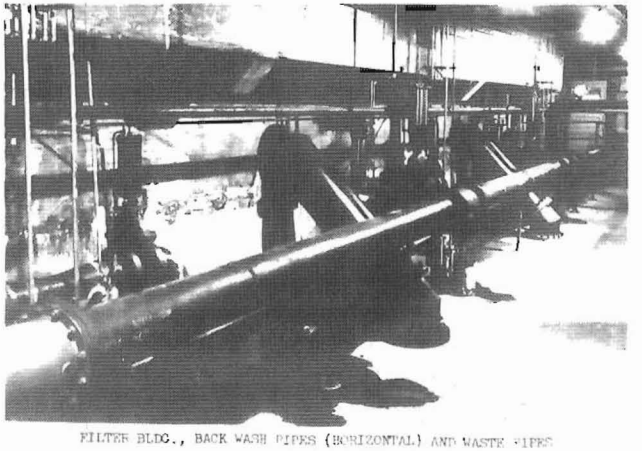
CHEMICAL STORAGE BLDG., CHLORINE STORAGE TANKS



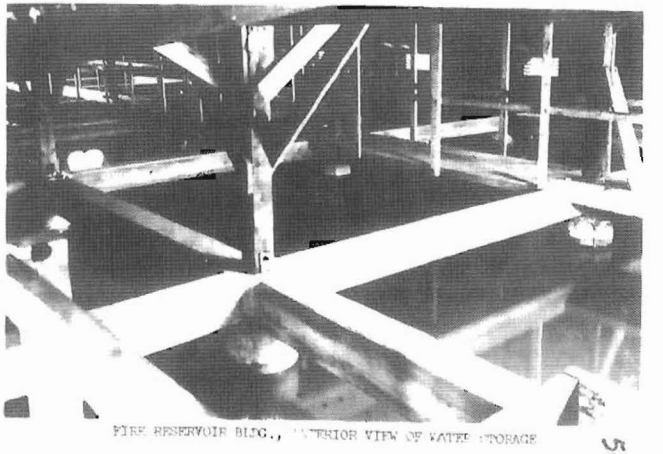
CHEMICAL STORAGE BLDG., AUTOMATIC LIME AND ASH DISPENSERS



FILTER BLDG., ZEOLITE SOFTENER TANKS



FILTER BLDG., BACK WASH PIPES (HORIZONTAL) AND WASTE PIPES



FIRE RESERVOIR BLDG., INTERIOR VIEW OF WATER STORAGE

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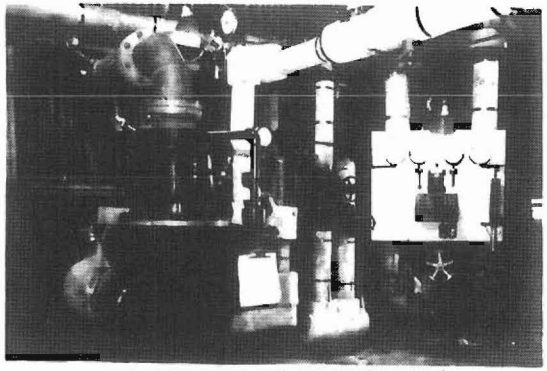
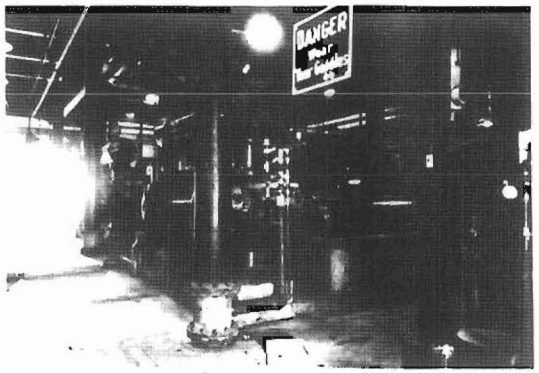
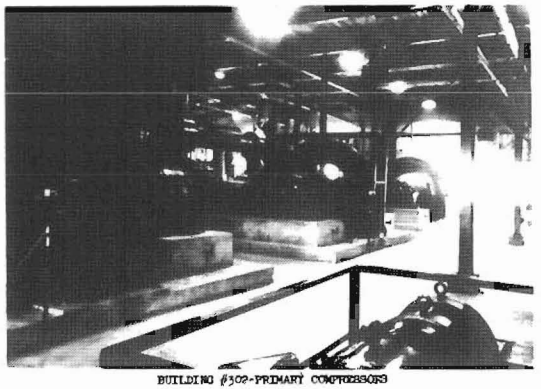
PLATE XXXVI



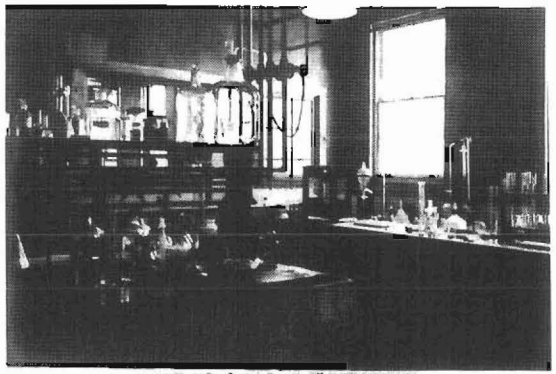
BUILDING #302-CONTROL PANEL AND CONVERTOR CHAMBER




BUILDING #302-SECONDARY COMPRESSORS

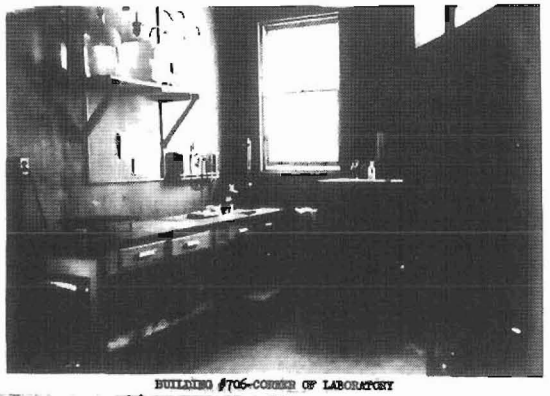


BUILDING #302-PRIMARY COMPRESSORS

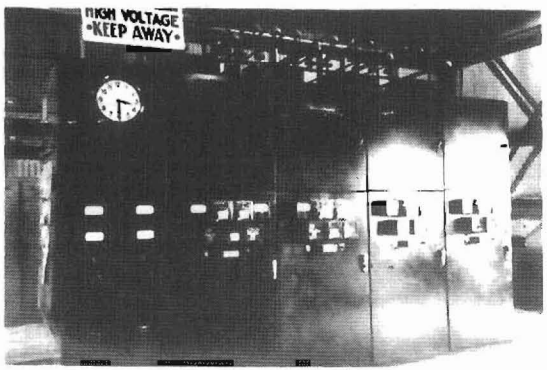


BUILDING #706-CORNER OF ACID LABORATORY

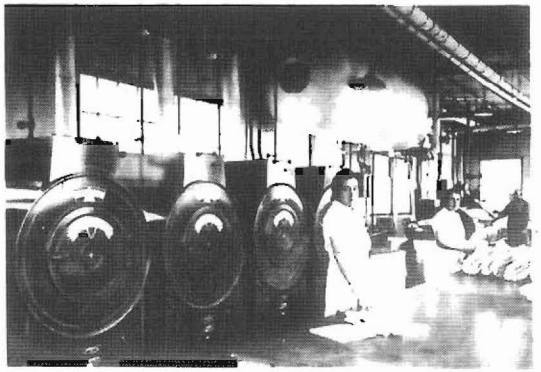
BUILDING #706-MAIN LABORATORY ROOM



BUILDING #706-CORNER OF LABORATORY



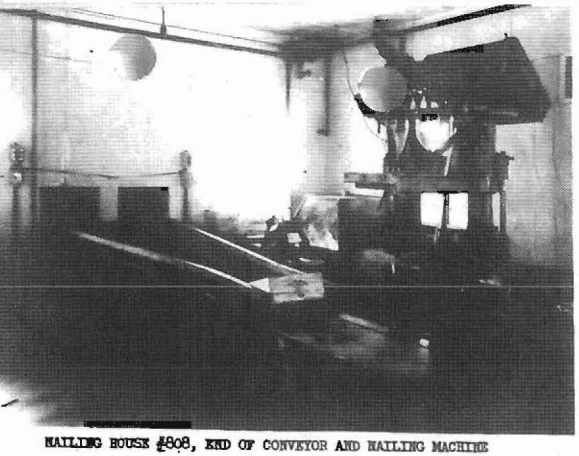

BUILDING #302-ELECTRIC CONTROL PANEL



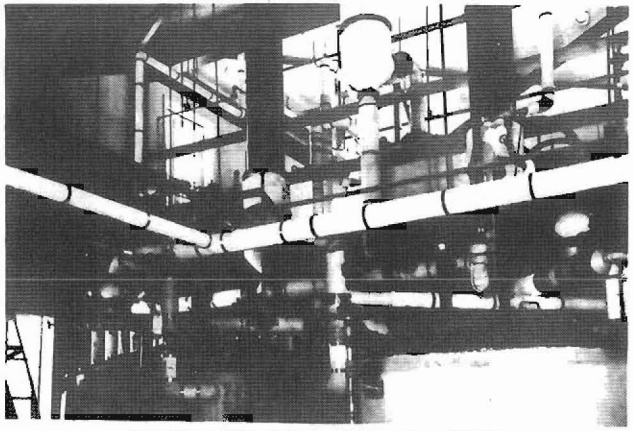
LAUNDRY - [illegible]

INTERIOR VIEWS OF AMMONIA OXIDATION AND LABORATORY BUILDINGS IN [illegible]

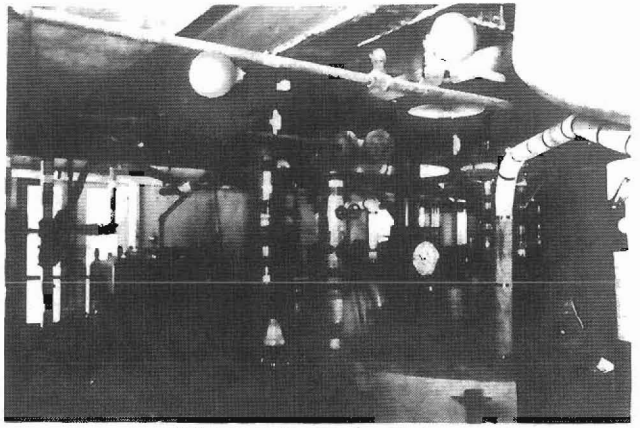
PLATE XXXVII



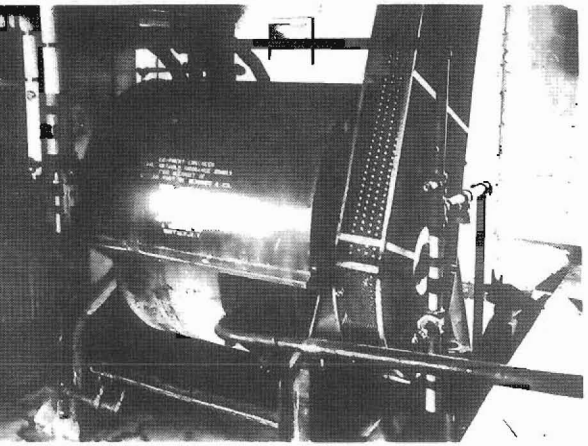
NAILING HOUSE #808, END OF CONVEYOR AND NAILING MACHINE



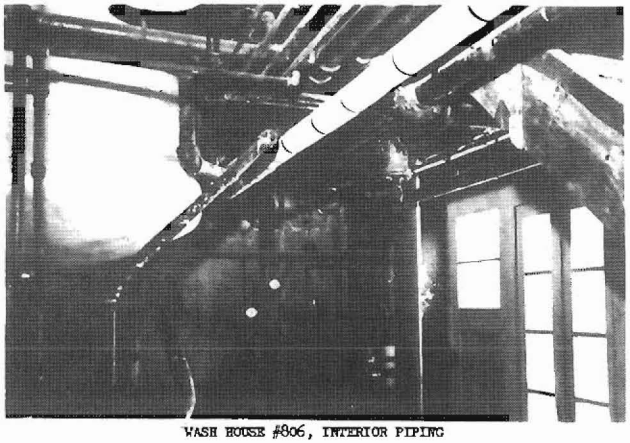
WASH HOUSE #806, PIPING ARRANGEMENT: - DRIERS



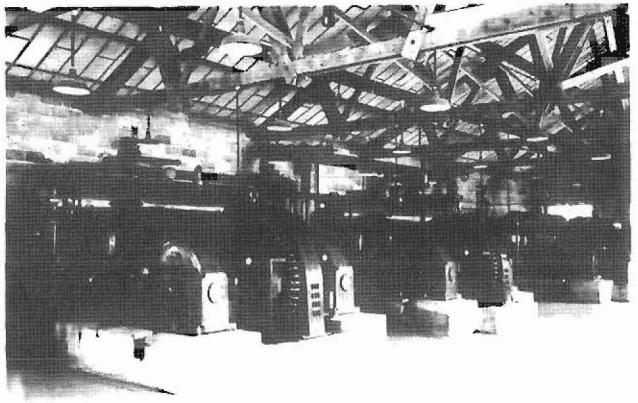
WASH HOUSE #806, PIPING ARRANGEMENT - FILTER AND WASH TANKS



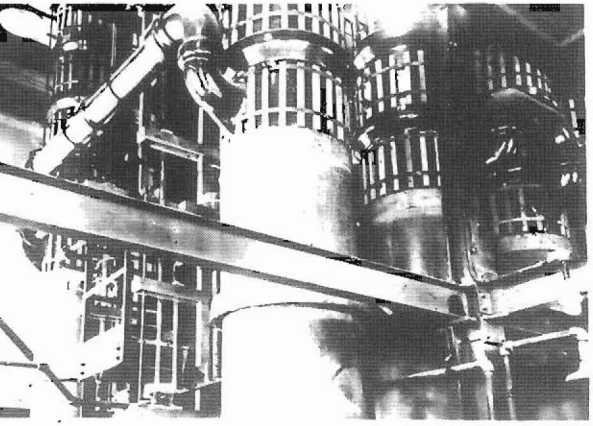
WASH HOUSE #806, DRYING MACHINE



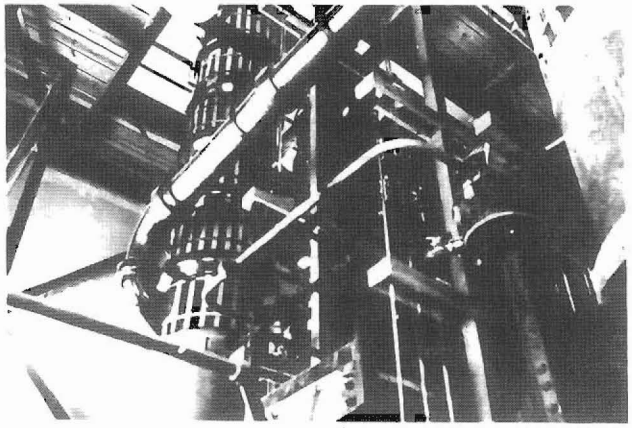
WASH HOUSE #806, INTERIOR PIPING



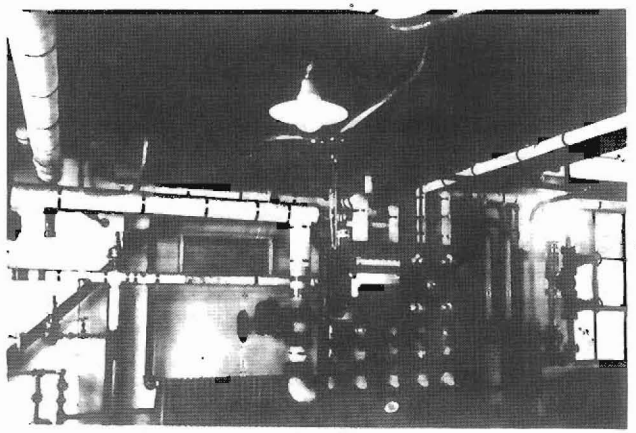
COMPRESSOR HOUSE #415, AIR COMPRESSORS



ACID & FUME RECOVERY BLDG. #812, PIPING AND LAGGING



ACID & FUME RECOVERY BLDG. #812, PIPING AND LAGGING



ACID & FUME RECOVERY BLDG. #812, INSTRUMENT BOARD

INTERIOR VIEWS OF NAILING HOUSE, WASH HOUSE, COMPRESSOR HOUSE AND ACID FUME RECOVERY BUILDING

PLATE XXXVIII

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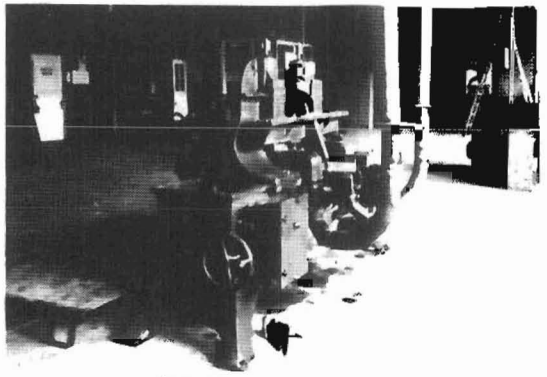
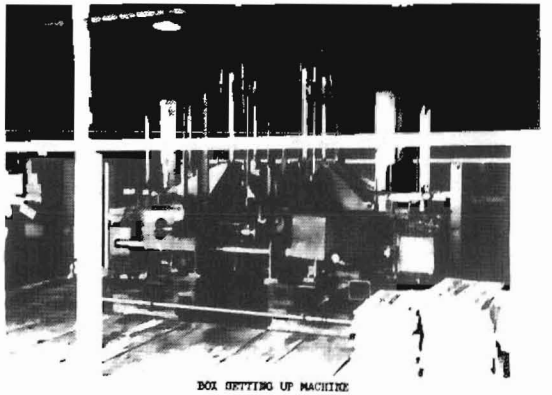
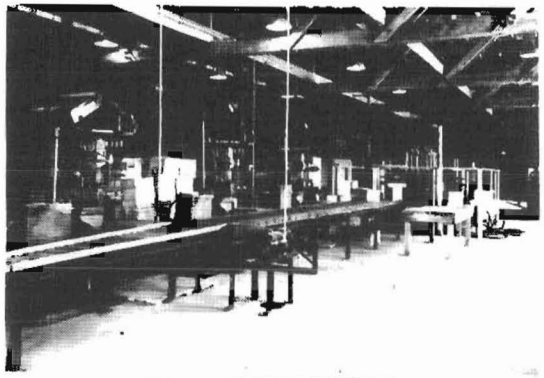
SHOCK PRINTING PRESS



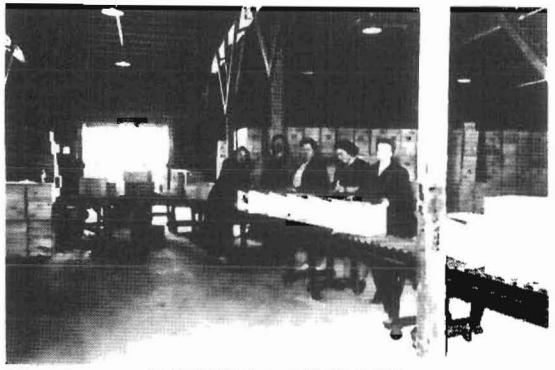
SHOCK LOCK CORNER CUTTER AND SPLICER



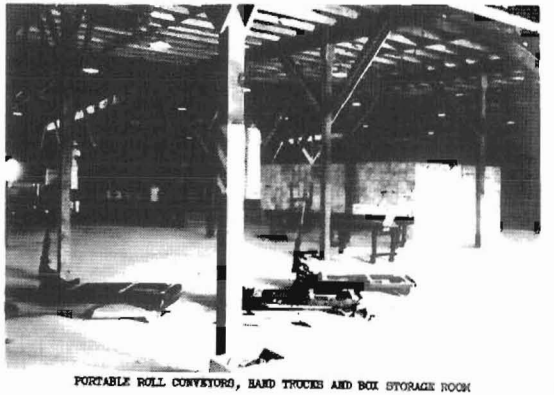
BOX SETTING UP MACHINE



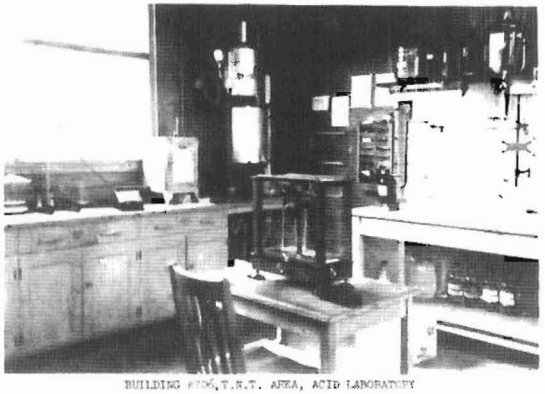
BOX BAILING MACHINES AND BELT CONVEYOR



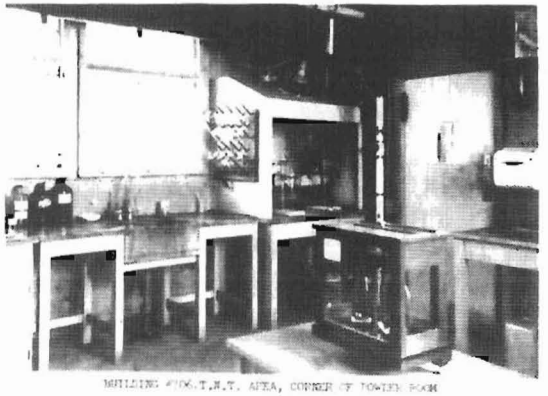
PORTABLE ROLL CONVEYOR IN BOX STORAGE



PORTABLE ROLL CONVEYORS, HAND TRUCKS AND BOX STORAGE ROOM



BUILDING #706, T.N.T. AREA, ACID LABORATORY



BUILDING #706, T.N.T. AREA, CORNER OF TOWER ROOM

INTERIOR VIEWS OF BOX FACTORY AND LABORATORY BLDG. IN T.N.T. AREA



PLATE XXXIX

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# MAPS AND DRAWINGS

These are scattered or grouped by class, or use, in the various sections of the Report. See List of Illustrations, page ix.

There were over 2,000 maps and drawings of which the A-E-M prepared 50%, the DuPont Company 40% and the War Department, Stone and Webster and the Chemical Construction Corp. supplied 10%. For the dates on which maps, drawings, contracts and specifications, etc., were turned over to the Using Service, see the schedules on pages 327 - 334 inclusive, at the beginning of this volume.

Maps and Drawings, Contract Numbers and Specification Numbers are listed for each type of building and for all utilities in the "List of Maps and Drawings" on pages 73 - 240 inclusive in Volume 1. A separate sheet is supplied for each building or type of utility.

An Index to the page numbers covering the maps, drawings, contracts, and specifications for buildings will be found in the right hand column of the Data Sheets on "Buildings" on pages 63 - 69 inclusive in Volume 1.

An Index to the page numbers listing contracts and maps, drawings, specifications applying to Utilities will be found on page 272 in Volume 1.

# FINANCIAL DATA

The Cost Report is not available, at this time, due to the inability to obtain complete distribution of Construction Equipment Charges to Features and to distribute Overhead Charges to Features before final costs are arrived at.

Direct Labor and Material Costs have been completed for all Features and Subfeatures. These cover twenty-seven Form B-39 sheets.

See Tentative Final Cost Summary on the following page.

PROJECT COST SUMMARY - MILITARY CONSTRUCTION

TENTATIVE

FINAL DETAIL COST STATEMENT

DISTRICT BUFFALO CONSTRUCTION LOCATION YOUNGSTOWN, N. Y.

MONTH ENDING MARCH 15, 1943 (TERMINATION OF A-E-M CONTRACT)

B M-1, LAKE ONTARIO ORDNANCE WORKS

| ACCOUNT NO. | DESCRIPTION | UNIT OF MEASURE | QUANTITIES ACTUAL | QUANTITIES ORIG. EST. | TOTAL COSTS ACTUAL * | TOTAL COSTS ORIGINAL ESTIMATE | UNIT COSTS ACTUAL | UNIT COSTS ORIG. EST. |
|---|---|---|---|---|---|---|---|---|
| | A. Manufacturing Buildings | | | | | | | |
| | 1. Acid Area | | | | 1,880,578.00 | | | |
| | 2. TNT Area | | | | 2,364,712.03 | | | |
| | B. Office & Admin. Bldg. | | | | 193,998.48 | | | |
| | C. Auxiliary Buildings | | | | 1,252,067.20 | | | |
| | D. Storage Buildings | | | | 609,930.94 | | | |
| | E. Staff Residences | | | | 93,796.23 | | | |
| | F. Preparation of Site | | | | 230,346.30 | | | |
| | G. Utilities | | | | 6,554,257.27 | | | |
| | Roads | | | | 1,402,014.78 | | | |
| | Railroads | | | | 1,271,211.93 | | | |
| | TOTAL | | | | 15,852,913.16 | | | |
| | Temporary Construction | | | | 1,107,908.85 | | | |
| | Construction Equipment | | | | 811,232.45 | | | |
| | Indirect (Overhead) Labor | | | | 2,800,000.00 | | | |
| | Indirect (Overhead) Materials (Office, Eng. & General Equipment and Supplies) | | | | 1,800,000.00 | | | |
| | Shop, Warehouse, Yard Operation and Repairs | | | | 1,185,000.00 | | | |
| | Insurance & Taxes | | | | 839,000.00 | | | |
| | Total Job Cost (Per Fm. 39-A) | | | | | | | |

* Actual Final for Construction Items, without distributed overhead.

Estimate for Final Overhead charges.

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PROJECT COST SUMMARY - MILITARY CONSTRUCTION

TENTATIVE

FINAL DETAIL COST STATEMENT

DISTRICT BUFFALO CONSTRUCTION LOCATION YOUNGSTOWN, N. Y.

MONTH ENDING MARCH 15, 1943 (TERMINATION OF A-E-M CONTRACT)

M-1, LAKE ONTARIO ORDNANCE WORKS

| ACCOUNT NO. | DESCRIPTION | UNIT OF MEASURE | QUANTITIES ACTUAL | QUANTITIES ORIG. EST. | TOTAL COSTS * ACTUAL | TOTAL COSTS ORIGINAL ESTIMATE | UNIT COSTS ACTUAL | UNIT COSTS ORIG. EST. |
|---|---|---|---|---|---|---|---|---|
| | Transportation | | | | 60,000.00 | | | |
| | Travel | | | | 25,000.00 | | | |
| | Telephone & Telegraph | | | | 90,000.00 | | | |
| | Equipment Rentals | | | | 150,500.00 | | | |
| | Surplus Material | | | | 685,000.00 | | | |
| | Fixed Fee | | | | 323,217.00 | | | |
| | Government Overhead | | | | 800,000.00 | | | |
| | Miscellaneous - Purchases by Govt. for A-E-M, Inspection & Testing, Clean Up, etc. | | | | 145,000.00 | | | |
| | Total to A-E-M &A.E. | | | | $26,674,771.46 | | | |
| | To Ordnance Dept. to complete | | | | 100,000.00 | | | |
| | | | | | $26,774,771.46 | | | |
| | Total Job Cost (Per Fm. 39-A) | | | | | | | |

* Actual Final for Construction Items, without distributed overhead. Estimate for Final Overhead charges.

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# COMPLETION OF THE CONTRACT

## Termination of the Contract

This Contract, DA-W-138-Eng.-1, and any or all amendments thereto, were terminated as of 11:59 P.M., the 15th day of March, 1943, on Engineer Form No. 95, approved by the Chief of Engineers, February 1, 1943, entitled, "Notice of Termination for Convenience of the Government" addressed to The J. G. White Engineering Corporation, 80 Broad Street, New York, N. Y., dated Lewiston, New York, March 12, 1943.

## Status of the Contract at Time of Termination

At the time of Termination the work covered by the Contract was 99.73% completed by the A-E-M. The remaining work to be done, ie. 0.27% consisted of the items listed on the seven following pages, which was delayed principally because of late deliveries of tanks and equipment.

## Method of Completing the Work Covered by the Contract

All work except the installation of the steel tanks and the 18" Trade Waste Sewer will be done by the "force account" of the Operator, the Chemical Construction Corporation, under the jurisdiction of the Using Service, the Ordnance Department, U.S.A.

The installation of the steel tanks will be completed in accordance with negotiated lump sum Contract DA-W-138-Eng.-48 with the General American Transportation Corporation, Sharon, Pa. The installation of the 18" Trade Waste Sewer will be completed in accordance with negotiated lump sum and unit price Contract DA-W-138-Eng.-153 with Herbert F. Darling, Williamsville, New York. This work is being completed under the jurisdiction of the Area Engineer.

## Location of A-E-M Records

In accordance with Article III, Section 2 page 16, of the A-E-M Contract, The J. G. White Engineering Corporation will store all pertinent Records and Books of Account, for a period of three years from March 15, 1943, in rooms 1001 and 1002, of the Record Storage Corporation, at 80-82 Pearl Street, Borough of Manhattan, New York County, N. Y.

Field notes, sketches, data, etc. are stored with the Area Engineer, Lake Ontario Ordnance Works, records in the United States Engineer's Office, at Buffalo, N. Y.

## Certificate of Completion

This will be issued at a later date.

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WORK REMAINING TO BE DONE AT LKO UNDER CONTRACT DA-W-138-ENG.1
AS OF WORK STOPPAGE AT 6:00 P.M. ON MARCH 15, 1943

BUILDING 301 - Wave 4. Installation of 6 high pressure ammonia tanks.

Pipefitters:

Install ammonia pipe and fittings consisting of 2-2" headers and 1-3" header across tanks with valves, tees, elbows, and expansion bends, pressure heads, ammonia diffusers, and relief valves.
Install steam piping to bayonet heaters consisting of 1-3" steam header across tanks with valves, tees, elbows, strainers and steam traps.

Electricians:

Lighting and control wiring for 6 H.P. ammonia tanks.

Other Trades:

6 tanks to be installed in saddles and grouted in place.
6 tanks to be painted.
Walkway and stairs to be built over 6 tanks.
Steam trap enclosures to be built for 6 tanks.
6 tanks and all ammonia and steam piping to be insulated.
(See paragraph 13 under contract to be let.)

BUILDING 302 - Wave 4. Installation of 1 ammonia oxidation unit.

Pipefitters:

Install 4th wave gasifier consisting of gasifier shell, outer and inner steam coil, miscellaneous ammonia piping necessary to tie together Wave 1 and Wave 4 gasifiers and hook in Wave 4 gasifier to ammonia header; and hook up steam lines to coils and condensate lines. Install 3-6" HCI std. flanged tees and 2-6" HCI std. flanged elbows in 6" nitric oxide gas line to Power Recovery Compressor.

Electricians:

Control wiring for #4 ammonia oxidation unit and fourth wave gasifier. Siren control and condensate level gauge control wires to be revamped.

Other Trades:

Insulation of gasifier, ammonia piping at gasifier, steam piping at gasifier, exhaust gas manifold at gaugeboard and 2-6" tees in gas line from heat exchange to power recovery compressor. (See paragraph 13 under contract to be let.)

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BUILDING 303 - Wave 4. Installation of 2 nitric acid concentrating units 6-7.

Pipefitters:

Install 2 Rotometers in mixed acid lines at gauge boards for Units No. 6 and No. 7.
Install 2 - 4" blast gates in fume line between "S" condenser outlets and fume line header at Units No. 6 and No. 7.
Install 2 - 2" blast gates in nitric acid line at fume absorption column.

Electricians:

Installation of potentiometers on No. 6 and No. 7 nitric acid concentrating units.

BUILDING 305 - Wave 4. Installation of 6 vertical and 5 horizontal tanks.

Pipefitters:

Install acid piping for 2 vertical tanks, 303-27 residual sulphuric acid storage.
Install acid piping for 2 horizontal scale tanks, 305-3 concentrating mixed acid circulators.
Install acid piping for 2 horizontal tanks, 305-31 T.N.T. mixed acid storage.
Install acid piping for 2 vertical tanks, 305-35 residual sulphuric acid storage.
Install acid piping for 1 horizontal tank, 305-37 F-83 storage.
Install acid piping for 2 vertical tanks, 305-81 clear sulphuric acid storage.

Electricians:

Install lighting for Wave 4 tanks, 303-27 residual $H_2SO_4$ storage.
Install 1 push button at 303-27, residual $H_2SO_4$ storage.
Install lighting for Wave 4 tanks, 305-4 concentrating mixed acid circulators.
Install 6 push buttons and hookup target switch at 305-4, concentrating mixed acid circulators.
Complete wiring for 2 - 20 H.P. motors at 305-3, concentrating mixed acid circulators.
Install lighting for Wave 4 tanks 305-5, concentrating mixed acid storage.
Install 2 push buttons on top walkway 305-5, concentrating mixed acid storage.
Install push button and 20 H.P. motor starter at 305-6 pumps.
Install lighting for Wave 4 tanks 305-31, T.N.T. mixed acid storage.
Install lighting for Wave 4 tanks 305-35, residual $H_2SO_4$ storage.
Install lighting for Wave 4 tank 305-37, F-83 storage.
Install lighting for Wave 4 tanks 305-61, dark $H_2SO_4$ storage.

BUILDING 305 - (Continued)

Electricians: (Continued)

Install 2 push buttons on top walkway 305-61, dark $H_2SO_4$ storage.
Install lighting for Wave 4 tanks 305-81, clear $H_2SO_4$ storage.
Install 2 push buttons on top walkway 305-81, clear $H_2SO_4$ storage.

Other Trades:

Install and paint walkways over 2 vertical tanks, 303-27 residual $H_2SO_4$ storage.
Paint 2 vertical tanks 303-27 residual $H_2SO_4$ storage.
Install safety ladders at end of walkways, 303-27 residual $H_2SO_4$ storage.
Install 2 - 55 ton Howe scales, 305-2 concentrating mixed acid circulators.
Install 2 scale tank saddles, 305-2 concentrating mixed acid circulators.
Install and paint 2 horizontal scale tanks, 305-2 concentrating mixed acid circulators.
Install 2 - 20 H.P. motors, 305-3 concentrating mixed acid circulators.
Two horizontal tanks to be installed in saddles and grouted in place, 305-31, T.N.T. mixed acid storage.
Two horizontal tanks to be painted, 305-31 T.N.T. mixed acid storage.
Install and paint walkways over 2 horizontal tanks, 305-31 T.N.T. mixed acid storage.
Install and paint safety ladders at end of walkways, 305-31 T.N.T. mixed acid storage.
Paint 2 vertical tanks, 305-35 residual $H_2SO_4$ storage.
Install and paint walkways over 2 vertical tanks, 305-35 residual $H_2SO_4$ storage.
One horizontal tank to be installed in saddles and grouted in place, 305-37 F-83 storage.
Paint 1 horizontal tank, 305-37 F-83 storage.
Install and paint walkway over 1 horizontal tank, 305-37 F-83 storage.
Install and paint safety ladder at end of walkway, 305-37 F-83 storage.
Insulate top-half of 1 horizontal tank 305-37 F-83 storage. (See paragraph 13 under contract to be let).
Paint 2 vertical tanks, 305-81 clear $H_2SO_4$ storage.
Install and paint walkways over 2 vertical tanks, 305-81 clear $H_2SO_4$ storage.
Install and paint safety ladders at end of walkways, 305-81 clear $H_2SO_4$ storage.

BUILDING 308 - Wave 4. Lighting and power wiring on #5, #6, $H_2SO_4$ concentrating units.

BUILDING 308 (Continued)

Pipefitters:

Install 8 - 3" FA 20 Powell valves in strong acid lines and strong acid pumps.

Electricians:

Install lighting in 4th Wave substation.
Install 20 panel light circuit for 4th Wave building lights.
Install push buttons and wire 3 - 20 H. P. strong acid pump motors.
Wire 2 - 200 H. P. blower motors.
Complete installation of thermo-couples on Units No. 5 and No. 6.
One Rotary Rectifier Unit Control to be checked for incorrect voltage sequence.
Install hood heaters on #5 and #6 units.

Other Trades:

Complete installation of grating over weak acid pipe trench.
Install 2 American Blowers.
Install 2 - 200 H. P. American Blower Motors.
Install 3 - 20 H. P. Strong acid pump motors.
Paint staging over gas coolers.
Paint staging around precipitators.

BUILDING 401 - Boiler House

Pipefitters:

Install sprocket and chain on valve wheel of 1 - 8" boiler feed water valve. (See letter).
Install sprocket and chain on valve wheel of 3 - 4" $CO_2$ valves. (P.O. No. 8821 promised for delivery April 5, 1943).

Other Trades:

Installation of 3 chain hoists.

BUILDING 403 - Water Treatment Plant

Pipefitters:

Install 1 - 50 GPM booster pump for soda ash feeders.

Electricians:

Wire 1 - 50 GPM booster pump motor.

Other Trades:

Install 1 - 50 GPM Booster pump on soda ash feeder.

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BUILDING 404

Other Trades:

Install Ludlow valve stands.

BUILDING 501 - Outside electric lines.

Electricians:

Install cable supports in manhole at Campbell St. opposite Power House.
Install telephone cable crossing at railroad near Stella Niagara.
Guard phones, except in sentry houses to be grounded.
Install danger signs on Niagara Hudson lines at Pletcher Road crossing and Campbell Street crossing. (If advisable).
Complete building light circuit #4 along Balmer Road "A".
Clean up all temporary wire, transformers, crossarms, poles, etc. throughout entire project.

BUILDING 503 - Pletcher Road Chlorinator House

Pipefitters:

Install $1\frac{1}{4}$" suction and discharge Westco booster pumps.
Install automatically controlled W & T reagent feeder.
Install W & T chlorine comparator.
Install 30 gallon crock.
Install chlorinator differential convertor and chlorine cylinder scales.
Install sump pump.
Install water piping, chlorine piping and reagent piping.

Electricians:

Install lights, connect heater and wire up booster pump motor.

BUILDING 511

Other Trades:

Install additional culvert pipe where 12 Mile Creek enters site.

BUILDING 603 - Roads and Walks.

Other Trades:

Construct 90 linear feet of cinder walk in Acid Area.
Complete shoulder trim on roads at the following stations:

| Road | Stations | % Uncompleted |
|---|---|---|
| "B" Ave. | 0 + 10 - 11 + 00 | 15 |
| "R" Ave. | 0 + 83 - 10 + 00 | 15 |
| S. Patrol Rd. | 231 + 90.56 - 285 + 47.40 | 15 |

BUILDING 603 (Continued)

Other Trades: (Continued)

| Road | Stations | % Uncompleted |
|---|---|---|
| S. Patrol Rd. (Continued) | 285 + 48.83 - 296 + 40.80 | 15 |
| | 296 + 82.67 - 303 + 25 | 15 |
| "K" Ave.Ext. | 19 + 00 - 33 + 91.79 | 15 |
| "H" St. | 33 + 24 - 47 + 63.64 | 15 |
| "A" Ave. | 0 + 87 - 1 + 00 | 35 |
| | 1 + 00 - 67 + 03.57 | 35 |
| | 67 + 03.95 - 70 + 34.79 | 35 |
| "M" St. | 30 + 68 - 32 + 18 | 15 |
| E. Patrol Rd. | 200 + 00 - 231 + 80.58 | 10 |

Complete backfill of Borrow Pit, stump removal and clean ditches on Pletcher Road.

BUILDING 619 - Red & Yellow Trade Waste Pump Room

Pipefitters:

Install 2 - 600 GPM Ceco pumps.
Relocate 1 - 300 GPM pumps.
Install 6", 4" and 3" HCI piping from Red & Yellow Trade Waste tank to pumps and mixing tank.

Electricians:

Wire 2 - 600 GPM pump motors.
Relocate 1 - 300 GPM pump motor and rewire.

Other Trades:

Set 2 - 600 GPM pumps and motors.
Relocate 1 - 300 GPM pump and motor.

BUILDING 722 - B & C T.N.T. Area Maintenance Shops

Electricians:

Wire up 2 pipe threading machine motors.

Other Trades:

Set and install 1 pipe threading machine.

BUILDING 801 F and 802 F - T.N.T. Area F Line

Electricians:

Install 1 oil immersed Rowan control in 801 F.
Install 2 oil immersed Rowan controls in 802 F.

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Paragraph 13 - Estimated status of uncompleted work under contracts (Prime and Subcontracts) Uncompleted as of March 15, 1943.

Contract DA-W-138-Eng.153 - Herbert F. Darling - Laying 18" trade waste sewer - 72% complete on March 15, 1943.

Contract DA-W-138-Eng.148 - General American Transportation Co. - erection of 13 vertical steel tanks - 77% complete on March 15.

Subcontract No. 32 - Howe Scale Co., Supplemental Agreement A for Fourth Wave supervision on installation of 2 - 55 ton scales - 0% complete on March 15, 1943.

Contract to be let for insulation of 6 high pressure ammonia tanks, ammonia gasifier, F-83 tank and ammonia piping, 0% complete on March 15, 1943.

# CONSTRUCTION MATERIAL PURCHASED

## BY J. G. WHITE ENGINEERING CORPORATION

(Taken from Purchase Orders)

| MATERIAL | QUANTITY |
|---|---|
| Acid-proof brick | 57,600 pieces |
| Aluminum sheets | 1,623 sq. ft. |
| Asbestos Pipe | 70 ft. |
| Asbestos Sheets | 171,384 sq. ft. |
| Asbestos shingles | 3,325 squares |
| Asphalt shingles & roofing | 4,520 squares |
| Bare Copper Wire | 247,312 feet |
| Bituminous paving | 308,077 gallons |
| Black Conduit | 219,074 feet |
| Brass & copper pipe | 13,799 feet |
| Built-up Roofing | 139,930 pounds |
| Cast iron pipe | 168,612 feet |
| Cement | 3,442 Bbl. |
| Cinders | 98 carloads |
| Clay pipe | 128,199 feet |
| Common brick | 354,940 pieces |
| Concrete blocks | 53,210 pieces |
| Concrete pipe | 13,654 feet |
| Copper & brass sheets | 344 pounds |
| Covered copper wire | 2,287,784 feet |
| Cross Arms | 10,705 |
| Crushed Stone | 202,406 tons |
| Face brick | 50,000 pieces |
| Galvanized conduit | 14,450 feet |
| Glazed tile & brick | 580 sq. ft. |

# CONSTRUCTION MATERIAL PURCHASED

## BY J. G. WHITE ENGINEERING CORPORATION

(Taken from Purchase Orders)

(Cont'd.)

| MATERIAL | QUANTITY |
|---|---|
| Gravel | 241,663 tons |
| Gypsum lath & board | 325,903 sq. ft. |
| Hydrants & Meters | 63 Hydrants |
| Insulating board | 105,687 sq. ft. |
| Insulating materials | 208,696 sq. ft. |
| Iron & steel sheets - black | 101,034 sq. ft. |
| Iron & steel sheets - galvanized | 53,633 sq. ft. |
| Lead | 151,315 pounds |
| Linoleum | 1,279 sq. yds. |
| Lumber - 1" and under | 2,031,242 Bd. ft. |
| Lumber - over 1" | 4,769,477 Bd. ft. |
| Metal doors & windows | 206 windows |
| Metal lath | 8,230 sq. ft. |
| Metal piling | 134,714 pounds |
| Motors | 239 |
| Nails | 5,570 kegs |
| Paints & varnish | 15,265 gallons |
| Pipe covering | 7,639 feet |
| Plaster | 308 bags |
| Plywood | 330,602 sq. ft. |
| Poles treated | 5,402 |
| Poles untreated | 804 |
| Pre-mixed Concrete | 113 yards |
| Railroad steel | 2,633 ton |

## CONSTRUCTION MATERIAL PURCHASED

## BY J. G. WHITE ENGINEERING CORPORATION

(Taken from Purchase Orders)

(Cont'd.)

| MATERIAL | QUANTITY |
|---|---|
| Railroad ties, treated | 48,320 ties |
| Ranges & stoves | 15 Westinghouse |
| Refrigerators | 15 Westinghouse |
| Reinforcing bars & mesh | 795 ton |
| Roof coatings | 4,219 gallons |
| Roofing felt | 9,144 squares |
| Sand | 5,431 tons |
| Slag | 3,930 tons |
| Steel pipe | 279,112 feet |
| Structural shapes | 5,221,795 pounds |
| Tin plate | 1,532 sq. ft. |
| Transformers | |
| Valves | 11,978 valves |
| Welding rods | 62,020 pounds |
| Window shades | 475 shades |
| Wrought iron pipe | 36,244 feet |

APPENDIX
SECTION A

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON

Direc. Consec. No. 15
GLD-Buffalo-PL 1

File: CE 675 CEPL
(Lake Ontario Ordnance Works)
(Youngstown, New York)

January 15, 1942.

Subject: Construction of Lake Ontario Ordnance Works

To: The Division Engineer
Great Lake Division
419 Federal Building
Cleveland, Ohio

1. You are authorized to proceed immediately with the work described in 1st Indorsement, this office to the Division Engineer, Great Lakes Division, file number CE 675 CEPL (Lake Ontario Ordnance Works) Youngstown, New York, dated January 5, 1942, Subject: Proposed Ordnance Works.

2. Funds in the amount of $15,061,500 will be made available to your office under Procurement Authority Number DA-551-0023-P 531-32.

By Direction of the Chief of Engineers:

FRANCIS R. SCHERER
Lieut. Colonel, Corps of Engineers,
Chief, Plant Section
Engineering Branch

6286 (Modeltown, N.Y.)-48

APPENDIX
SECTION A

Directive Consec. No. 15
DSN - NAD-New York-3

CE 675 CEPL (Lake Ontario Ordnance Works)
Youngstown, New York

Subject: Proposed Ordnance Works

1st. Ind.

Office, C. of E., January 5, 1941. To: The Division Engineer, Great Lakes Division, 419 Federal Building, CLEVELAND, OHIO.

1. Upon advice of completion of contract negotiations by the Office of the Chief of Engineers, you will be authorized to proceed with the work described in the succeeding paragraphs. This directive is issued for advance information only, pending further instructions which will provide you with the applicable Procurement Authority Number and with the authority to proceed with the work.

2. a. The work is located at Youngstown, New York.

b. The work is to be supervised by the District Engineer at Buffalo, New York.

c. The work is to be completed on or before January 1, 1943.

3. The work to be done is fully described in the attached copy of "Construction and Engineering Information" dated January 3, 1942.

4. The estimated cost of the work, including allowances for the Field Overhead and for Architect-Engineer, is $15,061,500. A detailed breakdown of this cost is shown in the attached "Construction and Engineering Information".

5. The work will be prosecuted by a Cost-Plus-A-Fixed-Fee Architect-Engineer-Manager Contract, which will be negotiated in the Office of the Chief of Engineers.

By direction of the Chief of Engineers:

FRANCIS R. SCHERER
Lieut. Colonel, Corps of Engineers,
Chief, Plant Section,
Engineering Branch

One Inclosure
"Constr. & Engr. Information"
(C . of Cost Estimatedw/d)

APPENDIX
SECTION A

Consecutive No. 15
DSN - NAD-New York-3
Sheets/fg

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ORDNANCE
WASHINGTON

Attention of
Industrial Service,
Facilities

December 18, 1941

MEMORANDUM FOR Office of The Chief of Engineers
Construction Division

Subject: Proposed Lake Ontario Ordnance Works

1. In compliance with Memorandum dated June 4, 1941, QM 161C-ED, the following information is furnished:

a. The project is designated as the Lake Ontario Ordnance Works.

b. This office has been informed that the proposed site, in the vicinity of Youngstown, New York, has been approved and it is desired that negotiations for the collateral contract be instituted.

c. The Office of Production Management has approved a request for authority to negotiate a contract for the project. The Office of the Under Secretary of War has granted authority to enter into negotiations with Chemical Construction Corporation as operators of the proposed Lake Ontario Ordnance Works, Youngstown, New York.

d. This Plant is a plant for the manufacture of TNT, having an estimated average capacity of 240,000 pounds per day of twenty-four hours (6 Lines). Said Plant shall consist of all the necessary facilities, including but not limited to the following: a nitric acid manufacturing plant using anhydrous ammonia; a plant for the manufacture of sulphuric acid as 40% oleum; six (6) complete TNT lines with nitration houses, absorption towers, wash houses, flake houses; administration buildings, shops, railroads, roads, steam lines, air lines, electric lines, telephone lines, fencing, lighting, steam and power plant, power house, dormitories, water system, cafeterias, guard quarters, fire protection apparatus and housing thereof, adequate quarters for firemen, and other buildings together with all equipment necessary or appropriate for a plant of the approximate capacity aforesaid, with storage buildings adequate for about 30 days' supply of incoming materials and about 60 days' production of finished product.

e. The specific proposed site consists of about 10,000 acres located southeast of Youngstown, New York, near the Niagara River. This office has requested the procurement of the site as soon as possible, there being funds now

APPENDIX
SECTION A

Consec. No. 15
Dist. Seq. No. NAD-New York-3

To: Office of The Chief of Engineers
Construction Division

December 18, 1941

available.

f. (1) Typical designs for the subject project will be prepared by a master designer (E. I. du Pont de Nemours & Company) for this and several similar TNT plants under a collateral contract with the Government. The master designer will consult and advise with the Architect-Engineer on the project regarding the adaptation of the typical designs to the site. The equipment for this and for such similar TNT plants will be procured by the master designer under its collateral contract with the Government.

(2) The operating contract for the Plant will be negotiated by this office with Chemical Construction Corporation, New York. Under the proposed form of contract, the Contractor will furnish consultant service governing consultation with and advice to the collateral contractors regarding the adequacy of design, engineering and construction, will inspect installation of production equipment, will establish, equip and maintain guard and fire fighting forces, will train key personnel, and will operate the plant. Such contract will also contain a provision to the effect that the Government shall provide for the use of the operator during the construction period suitable office space and the necessary office equipment and facilities and utilities on the site of the project.

(3) Since the operating contractor (Chemical Construction Corporation) will be charged with the functions of consultant service, inspection of installation of production equipment and maintenance of guard and fire fighting forces, it is considered necessary that all collateral contracts make reference to these facts and contain provisions which will implement the contractor in carrying out the above functions.

g. The estimated cost of this project is inclosed herewith.

h. It is not contemplated that any particularly unusual conditions will be encountered.

i. It is the understanding of this office that J. G. White & Co. of New York, N. Y. will enter into a cost-plus-a-fixed-fee contract for architect-engineering services required and will adapt all of the designs (including the design of production equipment) furnished by the master designer under its collateral contract with the Government, and will prepare the necessary data to permit construction of the plant and installation of equipment to be accomplished on a fixed-price (lump-sum) basis. It is further understood that J. G. White & Co. will supervise construction of and installation of equipment in the Plant.

j. See i above.

k. Not applicable

APPENDIX
SECTION A

Consec. No. 15
Dist. Seq. No. NAD-New York-3

To: Office of The Chief of Engineers
Construction Division

December 18, 1941

1. Funds are available in this office to cover the proposed project and the allotment of the necessary funds will be made upon the signing of the contracts for architect-engineering and for construction by the Chief of Ordnance and his duly appointed Contracting Officer.

m. Date of required initial operation - November 1, 1942.
Date of required complete operation - January 1, 1943.

2. Major H. B. Sheets of this office, Room 5759, Social Security Bldg., Telephone Branch 5217, will be in charge of the project, and any further information desired may be obtained from him.

For the Chief of Ordnance:

Signed - L. H. CAMPBELL, Jr.
Brigadier General, Ordnance Dept.
Asst. Chief of Industrial Service, Facilities

1 Incl.
Cost Estimate

APPENDIX
SECTION A

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
CONSTRUCTION DIVISION

CONSTRUCTION AND ENGINEERING INFORMATION

Date: January 3, 1942

STATION OR LOCATION: Lake Ontario Ordnance Works, Youngstown, New York.

I. BRIEF DESCRIPTION OF THE WORK:

A. This plant is a plant for the manufacture of TNT, having an estimated average capacity of 240,000 pounds per day of twenty-four hours (6 Lines). Said Plant shall consist of all the necessary facilities, including but not limited to the following: a nitric acid manufacturing plant using anhydrous ammonia; ~~a plant for the manufacture of sulphuric acid as 40% oleum~~; six (6) complete TNT lines with nitration houses, absorption towers, wash houses, flake houses; administration buildings, shops, railroads, roads, steam lines, air lines, electric lines, telephone lines, fencing, lighting, steam and power plant, power house, dormitories, water system, cafeterias, guard quarters, fire protection apparatus and housing thereof, adequate quarters for firemen, and other buildings together with all equipment necessary or appropriate for a plant of the approximate capacity aforesaid, with storage buildings adequate for about 30 days' supply of incoming materials and about 60 days' production of finished product. All buildings are to be of approved temporary five-year construction.

II. ESTIMATED CONSTRUCTION COST:

Note: The Net Construction Costs given below include all appurtenances and the Architect-Engineer-Managers supervisory and administrative overhead expenses.

| A. Manufacturing Buildings | Units | Const. Cost Excl. Fees | Total |
|---|---|---|---|
| 1. Acid Area | | | |
| Ammonia Oxidation | | $ 120,000 | |
| Sulphuric Acid Concentrator | | 75,000 | |
| Nitric Acid Concentrator | | 94,000 | |
| Sellite Manufacturing | | 42,000 | |
| Conc. Mix Acid Unit | | 10,000 | |
| Acid Mixing Plant | | 10,500 | |
| Anhydrous Ammonia Storage | | 27,000 | |
| Soda Ash Store House | | 7,000 | |
| Condensate Storage | | 10,000 | |
| Fuel Oil Storage | | 5,000 | |
| Change Houses | | 33,000 | $ 433,500 |

APPENDIX
SECTION A

CONSTRUCTION AND ENGINEERING INFORMATION

II. ESTIMATED CONSTRUCTION COST: (Contd.)

| A. Manufacturing Buildings (Contd.) | Units | Const. Cost. Excl. Fees | Total |
|---|---|---|---|
| 2. TNT Area | | | |
| Change Houses | | 62,000 | |
| Clock Alleys | | 10,000 | |
| Line Offices | | 20,000 | |
| Mono-Nitrating Houses | 6 | 110,000 | |
| Bi and Tri Nitrating Houses | 6 | 115,000 | |
| Fortifying Houses | 6 | 60,000 | |
| Unloading Stations | | 12,000 | |
| Wash Houses | 6 | 175,000 | |
| Tramways | | 115,000 | |
| Tower Houses | 6 | 525,000 | |
| Valve Air Control Houses | 6 | 5,000 | |
| TNT Box Factory & Storage Bldgs. | | 200,000 | |
| Box Pack Houses | 3 | 20,000 | |
| Sellite Storage Houses | 6 | 25,000 | |
| Area Shops | 3 | 23,000 | |
| Toluene Storage Pump House | | 5,000 | |
| Waste Disposal Bldg. | | 178,000 | |
| | | 1,660,000 | |
| B. Office and Administration Building | | | |
| Main Office | | 90,000 | |
| Plant Engineers Office | | 10,000 | |
| Employment Office | | 25,000 | |
| | | 125,000 | |
| C. Auxiliary Buildings | | | |
| Laboratory & Equipment | | 180,000 | |
| Sentry Houses | | 18,000 | |
| Fire House | | 26,000 | |
| Guard Headquarters | | 32,000 | |
| Telephone Exchange | | 20,000 | |
| Hospital | | 100,000 | |
| Combined Shops | | 110,000 | |
| Garage and Locomotive House | | 34,000 | |
| Oil and Paint Shop | | 10,000 | |
| General Warehouse | | 45,000 | |
| Laundry | | 18,000 | |
| Change Houses | | 75,000 | |
| Cafeteria | | 32,000 | |
| | | 700,000 | |

APPENDIX
SECTION A

CONSTRUCTION AND ENGINEERING INFORMATION

| II. ESTIMATED CONSTRUCTION COST: (Contd) | Units | Const. Cost Excl. Fees | Total |
|---|---|---|---|
| D. Storage Buildings | | | |
| Magazines (Igloo Type) | | 675,000 | |
| Car Bracing Lumber Shed | | 2,000 | |
| Gasoline Station | | 3,000 | |
| Loading Station | | 7,500 | |
| Change Houses | | 20,000 | |
| | | $ 707,500 | |
| E. Staff Residences | | 100,000 | |
| TOTAL BUILDINGS | | | $ 3,726,000 |
| F. Preparation of Site (Clearing and Grading) | | 317,000 | |
| G. Utilities | | | |
| Power House | | 2,457,000 | |
| Pump Houses | | 175,000 | |
| Water Treatment Plant | | 325,000 | |
| Fire Water Towers | | 85,000 | |
| Water Storage | | 88,000 | |
| Booster Pumps | | 44,000 | |
| Sewage Disposal Plant | | 23,000 | |
| Water Lines & Fire Protection | | 1,250,000 | |
| Outside Electric Lines | | 130,000 | |
| Substations on Plant | | 250,000 | |
| Fence Lighting | | 35,000 | |
| Street Lighting | | 49,000 | |
| Power & Light Poles | | 48,000 | |
| Steam & Air Lines | | 415,000 | |
| Sewers, Drains & Ditches | | 284,000 | |
| | | 5,658,000 | |
| Roads | | | |
| Parking Lots | | 50,000 | |
| Service Roads | | 410,000 | |
| Magazine Roads | | 470,000 | |
| Patrol Road | | 225,000 | |
| | | 1,155,000 | |
| Railroads & Transportation | | | |
| Broad Gauge R. R. | | 1,075,000 | |
| Locomotives & Rolling Stock | | 274,000 | |
| Autos & Trailers | | 65,000 | |
| Fire Alarm & Guard Reporting System | | 50,000 | |
| Telephone System | | 125,000 | |
| Fencing, Boundary & Interior | | 200,000 | |
| | | 1,789,000 | |
| TOTAL UTILITIES | | | 8,919,000 |

APPENDIX
SECTION A

CONSTRUCTION AND ENGINEERING INFORMATION

| II. ESTIMATED CONSTRUCTION COST: (Contd.) | Units | Const. Cost Excl. Fees | Total |
|---|---|---|---|
| H. Installation Manufacturing Equipment | | | |
| 1. Acid Area | | $ 610,000 | |
| 2. TNT Area | | 595,000 | |
| TOTAL INSTALLATION MANUFACTURING EQUIPMENT | | | $ 1,205,000 |
| TOTAL NET CONSTRUCTION COST, excluding cost of Manufacturing Equipment, land, fees, engineering expense, Government Field and Washington Overheads | | | 13,850,000 |
| Architect-Engineer-Manager | | | 851,400 |
| a. Fee | | 297,400 | |
| b. Reimbursable costs | | 554,000 | |
| Government Field Overhead | | | 360,100 |
| Total to the Field | | | 15,061,500 |
| Administrative Overhead (Retained in the Office of the Chief of Engineers) | | | 110,800 |
| Total Funds Required from Ordnance | | | 15,172,300 |
| I. Manufacturing Equipment | | | |
| 1. Acid Area | | | |
| Ammonia Oxidation | | 1,118,000 | |
| Sulphuric Concentration | | 445,000 | |
| Nitric Acid | | 352,000 | |
| Mixing & Storage Factory | | 530,000 | |
| Outside Lines | | 515,000 | |
| | | 2,960,000 | |
| 2. TNT Area | | | |
| TNT Plant | | 1,347,000 | |
| TNT Outside Lines | | 217,000 | |
| | | 1,564,000 | |
| 3. General Equipment | | 79,000 | |
| TOTAL MANUFACTURING EQUIPMENT | | | 4,603,000 |
| TOTAL COST OF PROJECT including cost of Manufacturing Equipment. | | | |

APPENDIX
SECTION A

CONSTRUCTION AND ENGINEERING INFORMATION

III. ENGINEERING INFORMATION AVAILABLE:

A. E. I. du Pont de Nemours and Co., hereinafter called the Master Designer will prepare and furnish to the Architect-Engineer-Manager for a plant to produce 240,000 pounds of TNT per day, the following:

1. Typical layout of the plant, approved by the Contracting Officer.
2. Report covering all utility requirements.
3. Final designs, detailed working drawings and specifications for production equipment.
4. Final designs, detailed working drawings and specifications for all structures and buildings except the power house.
5. Adaptations of Government designs, drawings and specifications, and standards for production equipment, buildings and other structures, meeting the requirements of the approved typical layout of the plant and also detailed designs, drawings and specifications for which the Government designs are incomplete or unavailable.
6. Estimates of the building material, quantities and the production equipment required.

Note: All of the above mentioned detailed drawings and specifications shall, except insofar as the adaption to terrain may be a factor, be prepared for lump-sum or unit price advertising.

B. The Master Designer will also furnish the following:

1. Preliminary estimate of the cost of the typical plant, based on the approved designs drawings and specifications therefor.
2. A schedule showing the sequence of operations in the construction of the several portions of the work.
3. Estimates showing the amounts of materials, and items of production equipment in relation to the above schedule in regard to which difficulty of procurement is anticipated.
4. Labor estimates showing approximate numbers and trades, in relation to the above schedule.

C. The Master Designer will at the option of the Government furnish consultant service and advice to the Architect-Engineer-Manager regarding the adaptation of the typical design of the plant to the site, and the installation of the production equipment. The primary sources of consultation shall be at the Kankakee (Ill.) and the Alabama Ordnance Works, and in the Master-Designers offices at Wilmington, Delaware, only if the information required is not available at the above plants.

D. The Master-Designer will design production equipment and at the option of the Government do all things necessary for procurement of production equipment, expediting deliver, inspecting for acceptance and furnishing to the plant.

APPENDIX
SECTION A

CONSTRUCTION AND ENGINEERING INFORMATION

III. ENGINEERING INFORMATION AVAILABLE: (Contd.)

E. The Master Designer will not furnish topographical surveys or drawings; detailed final layout; development of, or adaptation to the terrain of any of the detailed working drawings and specifications; detailed layout, working drawings or specifications for outside utilities such as roads, railroads, fences, water systems, sewage disposal systems, power generation and distribution lines, etc.

F. The Operator will, under collateral contract with the Ordnance Department:

1. Operate the plant.
2. Train key personnel.
3. Establish, equip, and maintain guards, firefighting forces and hospital.
4. Consult and advise with the Master Designer and Architect-Engineer-Manager concerning the adequacy of design, engineering, and construction to the proper operation of the plant, and inspect the installation of manufacturing equipment, without, however, authority over or responsibility for the adequacy of such design, engineering or construction.

IV. WORK TO BE DONE BY THE ARCHITECT-ENGINEER-MANAGER:

A. The Architect-Engineer-Manager will promptly upon receipt from the Master Designer of plans and specifications for buildings and equipment, collaborate with the Contracting Officer on the preparation of necessary contract documents and on the award of contracts for individual items of construction, including installation of manufacturing equipment, on a lump sum or unit price basis. Such contracts are to be direct agreements between the Government and the contractors.

B. The Architect-Engineer-Manager will perform on force-account basis only such construction items for which it is not economical or feasible to award contracts. The Architect-Engineer-Manager shall in such cases assemble required tools and equipment not furnished by the Government, provide the necessary superintendents, foremen and skilled men and paying direct the purchase price of materials and labor required.

C. The Architect-Engineer-Manager will adapt to the soil and terrain (design foundations) for buildings, the estimated cost of which, excluding staff houses and power house but including the storage magazines is $ 3,626,000.

D. The Architect-Engineer-Manager will design for construction under lump-sum contract staff houses, the estimated cost of which is $100,000.

RODUCED AT THE NATIONAL ARCHIVES

APPENDIX
SECTION A

CONSTRUCTION AND ENGINEERING INFORMATION

IV. WORK TO BE DONE BY THE ARCHITECT-ENGINEER-MANAGER (Contd.)

E. The Architect-Engineer-Manager will design utilities, including power house and its equipment, the estimated total cost of which utilities and power house and equipment is $ 8,919,000.

F. The Architect-Engineer-Manager will design outside process lines, listed under manufacturing equipment to be purchased by the Master-Designer, the estimated cost of which $ 732,000.

G. The Architect-Engineer-Manager will adapt to the terrain, plans and specifications for the layout of manufacturing equipment, the estimated cost of which is; Equipment, $ 3,871,000 (excluding outside process lines), Installation, $ 1,205,000.

H. Manage and supervise construction, the estimated cost of which is $13,850,000 including the installation of manufacturing equipment.

V. COMPLETION DATE

A. It is estimated that all construction work for this project will be completed on or before January 1, 1943.

APPENDIX
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CE 675
(Lake Ontario Ordnance Works) COM
Lewiston, New York.

Supplement 1
Dir. Consec. No. 15
OLD-Buffalo-P1-1
Lake Ontario-M1-1

March 21, 1942

Subject: Revision of Construction Authorization, Lake Ontario Ordnance Works.

To: The Division Engineer
Great Lakes Division
500 Federal Reserve Building
Cleveland, Ohio

1. Reference is made to "Construction and Engineering Information" dated January 3, 1942, covering work authorized by Directive Consecutive No. 15.

2. The design and procurement of Power House boilers and auxiliary equipment is covered by Contract W-175 END-1297 with Stone and Webster and is to that extent being eliminated from the description of work authorized and covered by "Construction and Engineering Information" dated January 3, 1942.

3. The following revisions are therefore authorized:

a. Under Paragraph 11 add:

| | |
|---|---|
| E. Power House Structure | $ 470,000 |

b. Change "Total Buildings" to 4,196,000

c. Under Paragraph 11 O., Change item "Power House" to 1,157,000
Change "Total Utilities" to 7,619,000

d. Change Paragraph 11 H. to read
Installation of Manufacturing and Boiler Plant Equipment

e. Under Paragraph 11 H. add:

| | |
|---|---|
| Item 3. Boiler Plant Equipment | 200,000 |
| Change "Total Installation" to | 1,405,000 |

APPENDIX
SECTION A

To: Division Engineer, Great Lakes Division March 21, 1942.

| | | | |
|---|---|---|---|
| f. | Change "Total Net Construction Cost" to Total Net Construction Cost, Excluding cost of Manufacturing Equipment, Boiler and Auxiliaries, Land, Fees, Engineering Expense, Government, Field and Washington Overheads | | $ 13,220,000 |
| g. | Under "Architect-Engineer-Manager" change | | |
| | a. Fee to | $286,210 | |
| | b. Reimbursable Costs to | $531,320 | 817,530 |
| h. | Change "Government Field Overhead" to | | 343,720 |
| i. | Change "Total to the Field" (District Engineer, Buffalo) to | | 14,381,250 |
| j. | Change "Total Funds Required from Ordnance" to | | 14,492,050 |
| k. | Change Item I to "Manufacturing and Boiler Plant Equipment". Add Item I 4. | | |
| | I. 4. Equipment Procured by Boiler Plants Designer | | 630,000 |
| | a. Power House Auxiliaries | $300,000 | |
| | b. Power House Boilers | 330,000 | |
| | Boiler Plants Designer | | 50,250 |
| | a. Fee | 18,250 | |
| | b. Reimbursable Costs | 32,000 | |
| | Total to the Field (District Engineer, Boston) | | 680,250 |
| l. | Change "Total Manufacturing Equipment" to read | | |
| | Total Manufacturing and Boiler Plant Equipment | | 5,283,250 |

By order of the Chief of Engineers:

JOHN M. JOHNSON
Lieut. Col., Corps of Engineers
Executive Officer, Operations Branch
Construction Division

CC:

Area Engr.

For Advance information.

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION A

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ORDNANCE
WASHINGTON
Pentagon Bldg.

Evans/dm

O.O. No. 400.3295/85487 Misc. (x)
Attention of
SPOIM
Fac. & Plt. Adm. Sec.

Directive Consec. No. M-249
GLD-Buffalo-M-9

June 5, 1942

MEMORANDUM FOR Construction Division
Office of the Chief of Engineers

Attention: Mr. F. R. Creedon

Subject: Proposed Addition to Lake Ontario Ordnance Works, Contract No. W-ORD-565 DA-W-ORD-48.

1. In compliance with Memorandum dated June 4, 1941, QM 161 C-ED, the following information is furnished:

a. The project is designated as an addition to the Lake Ontario Ordnance Works.

b. The site approved for the project is in the vicinity of Youngstown, New York.

c. A Site Letter covering the proposed addition has been approved by the Under Secretary of War.

d. The proposed addition comprises all necessary facilities to permit the TNT lines to have an approximate capacity of 360,000 pounds of TNT per day of 24 hours (6 lines of 60,000 pounds each) with acid and general service facilities to take care of production at the rate of 390,000 pounds of TNT per day of 24 hours (6 lines of 65,000 pounds each).

e. It is not contemplated at the present time that any additional land will be necessary.

f. (1) The proposed addition is to be designed, constructed and equipped in the same manner as the original Plant. Typical designs will be prepared by the master designer who will also procure the equipment under a collateral contract with the Government.

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION A

Directive Consec. No. M-249
GLD-Buffalo-M-9

Construction Division
Office of the Chief of Engineers
Attn: Mr. F. R. Creedon

June 5, 1942

f. (2) The operating contract for the Plant will be negotiated as Supplement 1 to the existing Contract No. W-ORD-565 DA-W-ORD-48. Under the Contract the Operator (Chemical Construction Corporation) will furnish consultant service covering consultation with and advice to the Collateral Contractors regarding the adequacy of design, engineering and construction, will inspect the installation of production equipment, will train key personnel and will operate the Plant.

g. Inclosed herewith is an estimate of cost of the addition.

h. It is not contemplated that any particularly unusual conditions will be encountered.

i. It is the understanding of this office that J. G. White Engineering Corporation, New York, N. Y., will enter into a supplement to their present contract for the architect-engineer services required and will do the necessary adaptation of the designs (including the design of production equipment) furnished by the master designer, and will prepare the necessary data to permit the accomplishment of the construction of the plant and installation of the equipment therein.

j. See i above.

k. The services to be performed by the A-E-M are believed to be of the same scope as under their Original Contract.

l. Sufficient funds to cover the construction phase of this project are available and allotment thereof will be made when the supplement to the A-E-M Contract is signed by the Chief of Ordnance and his duly appointed Contracting Officer.

m. The estimated date of completed operation is January 1, 1943.

For the Chief of Ordnance:

GEORGE V. RILEY
Maj., Ord. Dept.
Assistant

1 Incl.
Cost of Increase of Supp. 1 to Contr. W-ORD-565-DA-W-ORD-48.

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION A
6286(Lake Ontario Ordnance Works)-273

A I R M A I L

Dir. Cons. No. M-249
GLD-Buffalo-M-9
Job No. Lake Ontario-M1-2

CE 635 SPEOM (Lake Ontario Ordnance Works)
Modeltown, N. Y.

Subject Addition to Lake Ontario Ord. Works

1st Ind.

Office Chief of Engineers, June 16, 1942. To: The Division Engineer, Great Lakes Division, Room 500, 332 South Michigan Avenue, CHICAGO, ILLINOIS.

1. You are authorized to proceed immediately with the work described in the enclosed "Construction and Engineering Information" dated June 9, 1942. You will be advised promptly of the applicable Procurement Authority Number against which obligations may be incurred.

2. a. The work is located at the Lake Ontario Ordnance Works, Youngstown, New York.

b. The work is to be administered by the District Engineer at Buffalo, New York.

c. The work is to be completed on or before January 1, 1943.

3. The estimated cost of the work including allowances for Field Overhead and Engineering Cost, is $2,311,174. A detailed breakdown of this cost is shown in the enclosed "Construction and Engineering Information".

4. A supplement to the existing Architect-Engineer-Manager Fixed Fee Contract has been negotiated in the Office of the Chief of Engineers.

By order of the Chief of Engineers:

DONALD E. ANTES
Lt. Colonel, Corps of Engineers
Executive Officer, Operations Branch
Construction Division

One Inclosure:
Const. & Engr. Infrm.

"For Advanced Information"
C.C. To District Engineer, Buffalo, New York

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION A

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
CONSTRUCTION DIVISION

CONSTRUCTION AND ENGINEERING INFORMATION

Date: June 9, 1942.

STATION OR LOCATION: Lake Ontario Ordnance Works, Youngstown, New York.

I. BRIEF DESCRIPTION OF THE WORK:

A. This project will involve increasing the capacity of each of 6 TNT lines to approximately 60,000 lbs. of TNT per day of 24 hours for a total production of 360,000 lbs. per day and will add acid and general facilities to permit production of TNT at the rate of approximately 65,000 lbs. per line or a total of 390,000 lbs. per day of 24 hours.

II. ESTIMATED CONSTRUCTION COST:

Note: The following cost estimate is based upon all information available at the time the estimate was made. It is not intended for budgetary control. Allotted funds are intended to cover the cost of construction of all structures and facilities necessary for a complete plant within the scope defined in the contract.

A. Manufacturing Buildings and Structures:

1. Acid Area:

| | |
|---|---|
| Ammonia Storage | $ 37,500 |
| Ammonia Oxidation | 35,000 |
| Nitric Acid Concentration | 42,500 |
| Sulphuric Acid Concentration | 49,400 |
| Acid Tank Farm | 350,000 |
| | $ 514,400 |

2. TNT Area:

| | |
|---|---|
| Fortifiers | $ 53,700 |
| Bi-Tri Nitration | 4,500 |
| | $ 58,200 |

TOTAL BUILDINGS AND STRUCTURES $ 572,600

6286 (Lake Ontario Ordnance Works)-273/1

)DUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION A

B. General Outside Utilities

| | | |
|---|---|---|
| Power House | $ 50,000 | |
| Pump Houses | 81,000 | |
| Water Lines and Fire Protection | 125,000 | |
| Roads and Walks | 268,000 | |
| Sewers Drains and Ditches | 75,000 | |
| Electric | 103,000 | |
| Pipe Lines and Supports | 375,000 | |
| Fence | 59,000 | |
| Clearing and Grading | 107,100 | |
| TOTAL UTILITIES | | $ 1,243,100 |

C. Purchase Items

| | |
|---|---|
| Automobiles, etc. | 10,000 |

D. Installation of Manufacturing Equipment

1. Acid Area:

| | | |
|---|---|---|
| Ammonia Storage | $ 8,650 | |
| Ammonia Oxidation | 44,000 | |
| Nitric Acid Concentration | 64,250 | |
| Sulphuric Acid Concentration | 176,800 | |
| Acid Tank Farm | 45,300 | |
| | $ 339,000 | |

2. TNT Area:

| | | |
|---|---|---|
| Fortifiers | 8,000 | |
| TOTAL INSTALLATION MANUFACTURING EQUIPMENT | | $ 347,000 |
| TOTAL ESTIMATED CONSTRUCTION COST, exclusive of fees, engineering costs, overhead allowances and contingencies. | | $ 2,172,700 |

Architect-Engineer-Manager's Fee and Cost

| | |
|---|---|
| 1. Fee - Construction $25,210, A-E $12,450 | 37,660 |
| 2. Reimbursable Costs - 4% of $2,197,910 - $ 12,450 = | 75,466 |
| Government Field Overhead, 2.5% of $15,417,910-$360,100 = | 25,348 |
| Total to the Field | $ 2,311,174 |
| Administrative Overhead (Retained in Office, Chief of Engineers) - 0.5% of $2,197,910 | 10,989 |
| Total Funds Required from Ordnance | $ 2,322,163 |

APPENDIX
SECTION A

E. Manufacturing Equipment

1. Acid Area:

| | |
|---|---|
| Ammonia Storage | $ 27,000 |
| Ammonia Oxidation | 195,000 |
| Nitric Acid Concentration | 61,200 |
| Sulphuric Acid Concentration | 314,600 |
| Acid Tank Farm | 61,200 |
| | $ 659,000 |

2. TNT Area:

| | | |
|---|---|---|
| Fortifiers | 13,000 | |
| TOTAL MANUFACTURING EQUIPMENT | | $ 672,000 |

Total Cost of Project, including cost of Manufacturing Equipment

III. ENGINEERING INFORMATION AVAILABLE

1. The Master Designer, E. I. duPont de Nemours and Company will furnish the A E M design information and services for this project as provided in the original contract W 138 Eng. 1734.

IV. WORK TO BE DONE BY THE A E M

1. In general all provisions of the original contract W-138 Eng. 1734, shall be extended to cover the construction of these additional facilities.

2. The A E M. will:

a. Adapt to soil and terrain the design of foundations for buildings and structures, the estimated cost of which is $ 572,600.

b. Design utilities, including power house additions, the estimated cost of which is $1,243,100.

c. Adapt to the terrain plans for the layout of manufacturing equipment, the estimated cost of which is: Equipment $ 672,000; Installation $ 347,000.

d. Purchase spare parts, automobiles and rolling stock, the estimated cost of which is $ 10,000.

e. Manage and supervise construction, the total estimated cost of which is $ 2,162,700, including installation of manufacturing equipment, excluding purchased items, (d, above).

V. COMPLETION DATE

No change.

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION A

C O R R E C T E D  C O P Y

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON

Address Reply to
Chief of Engineers, U. S. Army
Washington, D. C.

Supplement No. 2
Dir. Consec. No. M-15
GLD-Buffalo-Pl-1
Lake Ontario M 1-1

Refer to File CE 121.2 SPEON (Lake Ontario Ord. Wks.)

September 5, 1942

SUBJECT: Additional Funds, Lake Ontario Ordnance Works,

TO: The Division Engineer
Great Lakes Division
Room 500, 332 South Michigan Avenue
CHICAGO, ILLINOIS

1. Confirming teletype from this office to the District Engineer, Buffalo, New York, Number 4077 SPEON, dated August 28, 1942, additional funds in the amount of $3,000,000 to cover increased cost of construction will be made available under Procurement Authority Number ORD 39204, Appropriation Symbol P 210-99 A 0141-03, against which obligations may be incurred and vouchers approved for payment prior to receipt of Form 23.

By order of the Chief of Engineers:

DONALD E. ANTES
Lt. Colonel, Corps of Engineers
Executive Officer, Operations Branch
Construction Division

CC: Direct to District Engineer, Buffalo, New York

APPENDIX
SECTION A

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON

Supplement No. 1 to
Dir. Cons. No. M-249
GLD-Buffalo-M-9
Lake Ontario M1-2

Refer to file No. CE 635 SPEOM
(Lake Ontario Ordnance Works)

September 28, 1942

Subject: Additional funds for Construction at the Lake Ontario Ordnance Works.

TO: The Division Engineer
Great Lakes Division
Room 500
332 South Michigan Avenue
CHICAGO, ILLINOIS

1. Reference is made to Estimate of Cost of the Lake Ontario Ordnance Works as of September 4, 1942, which was submitted to this Office by 21st Indorsement, dated September 12, 1942, from the District Engineer at Buffalo, New York.

2. Additional funds in the amount of $3,525,487 will be allotted the District Engineer at Buffalo, New York, to partially cover the increase in estimated cost of the Lake Ontario Ordnance Works. This allotment will be made on two Procurement Authorities as follows:

| | | |
|---|---|---|
| Procurement Authority No. | ORD 39204 | $2,625,487 |
| Procurement Authority No. | DA 551-0023 | 900,000 |
| | | $3,525,487 |

3. Prior to the receipt of Procurement Authorities Forms 23, you are authorized to incur obligations and approve vouchers for payment.

By order of the Chief of Engineers:

DONALD E. ANTES
Lt. Colonel, Corps of Engineers
Executive Officer, Operations Branch
Construction Division.

APPENDIX
SECTION A

DIR. CONS. No. M-466
GLD-Buffalo-M-15
Lake Ontario M1-3

WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON

Refer to file No. CE 634 SPEOM
(Lake Ontario Ordnance Works)

October 1, 1942

Subject: Stables for Guard Horses, Lake Ontario Ordnance Works.

To: The Division Engineer
Great Lakes Division
Room 500
332 South Michigan Avenue
CHICAGO, ILLINOIS.

1. You are authorized to proceed immediately with the work described in the succeeding paragraphs.

2. a. The work is located at the Lake Ontario Ordnance Works, Youngstown, New York.

b. The work is to be administered by the District Engineer at Buffalo, New York.

c. The work consists of the necessary alterations to Barn 82A to make it suitable for a stable to house horses which are now used in the guard patrol.

d. The work is to be completed with the utmost dispatch.

3. The estimated cost of this work is $9,000. Sufficient funds are available to the District Engineer from funds previously allotted for the construction of the Lake Ontario Ordnance Works.

4. This work is not considered to be a change in the scope or character of the work covered by the original contract. However, if any change orders are required for this work, they will be prepared in this Office.

By order of the Chief of Engineers:

DONALD E. ANTES
Lt. Colonel, Corps of Engineers,
Executive Officer, Operations Branch
Construction Division

District Engineer, Buffalo, New York. "This shall constitute authority to proceed immediately with the work described. DEA"

This Directive received in District Office on October 3, 1942

APPENDIX
SECTION A

Supplement No. 2 to
Dir. Cons. No. M-249
GLD-Buffalo-M-9
Lake Ontario-M1-2

CE SPEOM
635 (Lake Ontario Ordnance Works)

January 20, 1943.

Subject: Additional Funds, Lake Ontario Ordnance Works

To: The Division Engineer,
Great Lakes Division
Room 500
332 South Michigan Avenue
CHICAGO, ILLINOIS.

1. Additional funds in the amount of $3,585,360 will be allotted the District Engineer at Buffalo, New York, to cover increase in estimated cost of construction at Lake Ontario Ordnance Works.

2. The amount as stated above corrects that shown in teletype which stated that $3,500,000 was being made available.

By order of the Chief of Engineers:

DONALD E. ANTES
Lt. Colonel, Corps of Engineers
Executive Officer, Operations Branch
Construction Division

6286 (Lake Ontario Ordnance Works)-387

This Directive received in District Office January 22, 1943.

RODUCED AT THE NATIONAL ARCHIVES



# APPENDIX
## SECTION B

## LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION Lewiston Township | ACRES ± CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| A-1 | W. Landers | 18 | 0.26 | | 2-11-1942 | X | |
| A-2 | J. Galliher | 18 | 0.56 | | 2-11-1942 | X | |
| A-3 | E. Hewitt | 18 | 0.23 | | 2-11-1942 | X | |
| A-4 | M. Sutherland | 18 | 20.0 | 1,500. | 2-11-1942<br>2-20-1942* | | X |
| A-5 | C. Sanborn | 18 | 10.0 | | 2-11-1942 | X | |
| A-6 | E. Hewitt | 18 | 10.0 | | 2-11 | X | |
| A-7 | C. Landers | 19 | 10.26 | 2,500. | 2-11<br>6-20-1942* | X | |
| A-8 | A. Watson | 19 | 27.64 | 2,500. | 2-11<br>6-20-1942* | X | |
| A-9 | R. Widmer | 19 | 20.17 | 2,500 | 2-11-1942 | | X |
| A-10 | J.W.H. Kelley Est. | 26 | 37.0 | | 3-10 | X | |
| A-11 | Earl Freeman | 26 | 41.5 | | 3-10 | X | |
| A-12 | F. Martin | 26 | 20.5 | | 3-10 | X | |
| A-13 | E. Freeman | 26 | 21.0 | | 3-10 | X | |
| A-14 | P. Nichols | 20 | 22.2 | | 3-24 | X | |
| A-15 | J. Wiseman | 19-18 | 38.8 | | 2-11 | X | |
| A-16 | J. Blacklock | 20 | 12.7 | | 3-24 | X | |
| A-17 | J. Blacklock Est. | 20 | 29.8 | | 3-24 | X | |
| A-18 | G. P. Swann | 20 | 17.1 | | 3-24 | X | |
| A-19 | G. P. Swann | 20 | 6.2 | | 3-24 | X | |
| A-20 | B. Sutherland | 27 | 51.0 | | 3-24 | X | |

*Date Indicates date of "Declaration of Taking, Civil Number 977," signed by the Secretary of War.

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION B

LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION Lewiston Township | ACRES ± CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| A-21 | A. Watson | 27 | 2.67 | | 3-10 | X | |
| A-22 | R. Crewe | 19 | 0.43 | 1,500. | 2-11<br>6-20-1942* | X | |
| A-23 | W. Koller | 28 | 70.62 | | 3-10 | X | |
| A-24 | W. Koller | 28 | 0.5 | | 3-10 | X | |
| A-25 | M. Jakubowski | 35 | 54.9 | See A-26 | 3-10<br>3-24-1942* | | X |
| A-26 | M. Jakubowski | 35 | 159.4 | 8,500. | 3-10<br>3-24-1942* | | X |
| A-27 | F. Kowolczyk | 35 | 0.83 | | 3-10 | X | |
| A-28 | F. Kowolczyk | 35 | 100.11 | | 3-10 | X | |
| A-29 | M. Dominski | 35 | 25.02 | | 3-10 | X | |
| A-30 | J. Dominski | 35 | 0.69 | | 3-10 | X | |
| A-31 | F. Kowolczyk | 35 | 22.47 | | 3-10 | X | |
| A-32 | J. Girard | 19 | 8.75 | 5,500. | 2-11<br>6-20-1942* | X | |
| A-33 | C. Kneeple | 19 | 2.34 | 250. | 2-11<br>6-20-1942* | X | |
| A-34 | W. Wager Est. | 19 | 1.42 | 2,400 | 2-11<br>2-20-1942* | | X |
| A-35 | M. Sievert | 19 | 3.54 | 3,500. | 2-11<br>6-20-1942* | X | |
| A-36 | C. Ehrhart (Est.) | 19 | 0.33 | 4,800. | 2-11<br>6-20-1942* | X | |
| A-37 | L. Meigs | 19 | 0.70 | | 2-11 | X | |
| A-38 | Modeltown Presby.Ch. | 19 | 0.33 | 6,500 | 2-11<br>2-20-1942* | | X |
| A-39 | M. Swann | 28 | 40.0 | | 3-10 | X | |
| A-40 | H. McArdle | 27 | 2.29 | | 3-10 | X | |

*Date indicates date of "Declaration of Taking, Civil Number 977," signed by the Secretary of War.

APPENDIX
SECTION B

LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION Lewiston Township | ACRES +/- CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PARCEL | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| A-41 | E. Meitz | 27 | 0.46 | | 3-10 | X | |
| A-42 | W. Ciurczak | 36 | 100.0 | | 3-10 | X | |
| A-43 | R. Swann | 28 | 42.5 | | 3-10 | X | |
| A-44 | M. and T. Walsh | 36 | 100.0 | | 3-10 | X | |
| A-45 | J. Zimmerman | 36 | 78.5 | | 3-10 | X | |
| A-46 | H. Taylor | 27 | 4.19 | | 3-10 | X | |
| A-47 | H. Taylor | 27 | 18.91 | | 3-10 | X | |
| A-48 | F. Rogozinski | 36 | 50.0 | 5,600. | 3-10<br>6-20-1942* | | X |
| A-49 | E. G. Clark | 36 | 26.0 | | 3-10 | X | |
| A-50 | E. Wagoner | 28-36 | 196.56 | | 3-10 | X | |
| A-51 | I. Pletcher | 29 | 95.0 | | 2-11 | X | |
| A-52 | F. Buttery | 37 | 150.0 | 5,300. | 3-10<br>3-24-1942* | | X |
| A-53 | R. Matejovic | 37 | 50.0 | 4,500. | 3-10<br>3-24-1942* | | X |
| A-54 | B. Sutherland | 18 | 4.3 | | 2-11 | X | |
| A-55 | G. Carter | 37 | 126.9 | 7,500. | 3-10<br>3-24-1942* | | X |
| A-56 | F. Pletcher | 29 | 101.5 | 8,580 | 2-10<br>6-20-1942* | X | |
| A-57 | W. Hopkins-Est. | 29 | 61.0 | 2,000 | 2-10<br>2-20-1942* | | X |
| A-58 | M. Rogena-Est. | 29 | 42.81 | 2,600. | 2-10<br>2-20-1942* | | X |
| A-59 | E. Hillman | 21 | 50.0 | | 2-10 | X | |
| A-60 | S. Meronto | 21 | 206.0 | 6,500. | 2-10<br>2-20-1942* | | X |

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APPENDIX
SECTION B

LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION Lewiston Township | ACRES ± CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| A-61 | F. Buttery | 29 | 30.5 | 1,200. | 2-10 6-20-1942* | X | |
| A-62 | W. D. Wisner Jr. | 29 | 28.85 | 900. | 2-10 6-20-1942* | X | |
| A-63 | W. Hill | 21 | 50.0 | | 2-10 | X | |
| A-64 | P. Castoff | 14-21 | 87.33 | | 2-10 | X | |
| A-65 | W.McGrath & J. Durk | 14 | 59.0 | | 3-10 | X | |
| A-66 | A. C. Watson | 27 | 7.5 | | 3-10 | X | |
| A-67 | A. C. Watson | 27 | 19.33 | | 3-10 | X | |
| A-68 | A. Crown | 27 | 21.35 | | 3-10 | X | |
| A-69 | A. Crown | 27 | 21.85 | | 3-10 | X | |
| A-70 | G. Houck, Jr. | 27 | 17.5 | | 3-10 | X | |
| A-71 | G. Houck, Jr. | 27 | 10.3 | | 3-10 | X | |
| A-72 | J. McCabe | 27 | 23.5 | 1,890. | 3-10 2-26-1942* | | X |
| A-73 | J. McCabe | 27 | 5.6 | 110. | 3-10 2-26-1942* | | X |
| A-74 | G. Houck, Sr. | 27 | 2.26 | | 3-10 | X | |
| A-75 | Z. Cunard | 27 | 1.13 | | 3-10 | X | |
| A-76 | Model City Union Christian Church | 19 | 0.18 | 200. | 2-11 2-20-1942* | | X |
| A-77 | O. Koller | 14 | 50.51 | | 3-10 | X | |
| A-78 | J. Rafajac | 14 | 45.71 | 1,900. | 3-10 3-24-1942* | | X |
| A-79 | Anna Kneeple (Est.) | 14 | 11.0 | 1,000. | 3-10 3-24-1942* | | X |
| A-80 | R. Gieseler | 14 | 50.0 | 3,000. | 3-10 3-24-1942* | | X |

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RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION B
LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION Lewiston Township | ACRES + CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| A-81 | R. Gieseler | 14 | 19.5 | | 3-10 | | X |
| A-82 | T. Wills | 14 | 1.0 | | 3-10 | X | |
| A-83 | P. Hildebrandt | 13 | 26.5 | | 2-24 | X | |
| A-84 | S. Talarico | 20 | 52.5 | 3,800. | 2-24<br>2-26-1942* | | X |
| A-85 | W. J. McCormick | 20 | 3.75 | | 2-24 | X | |
| A-86 | L. Harold | 20 | 97.0 | 16,900. | 2-24<br>3-6-1942* | | X |
| A-87 | T. Harold, Est. | 20 | 32.8 | 820. | 2-24<br>3-6-1942* | | X |
| A-88 | See A-93 - New York Central Railroad | | | | 2-24 | | |
| A-89 | T. Harold, Est. | 20 | 13.2 | | 2-24 | | X |
| A-90 | D. and S. Jowdy | 14 | 97.44 | | 3-10 | X | |
| A-91 | D. and S. Jowdy | 14 | 7.35 | | 3-10 | X | |
| A-92 | Unknown | 19 | 0.13 | 50. | 2-11<br>2-20-1942* | | X |
| A-93 | N.Y.C. Railroad | 35-27-20-13-14 | 21.95 | | 2/24-3/10-1942 | X | |
| A-94 | J. Bowman | 13 | 1.2 | | 2-24 | X | |
| A-95 | P. Nichols | 20 | 8.0 | | 2-24 | X | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

*Date indicates date of "Declaration of Taking, Civil Number 977," signed by the Secretary of War.

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION B

LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION | ACRES +/- CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| | | Porter Township | | | | | |
| B-120 | S. Hopkins | 24-37 | 144.75 | 7,400. | 3-10 3-24-1942* | | X |
| B-121 | A. Hillman | 24 | 2.25 | | 3-10 | X | |
| B-122 | A. Delansky | 24 | 107.0 | 15,000. | 3-10 3-24-1942* | | X |
| B-123 | W. Kolloff | 24 | 80.0 | | 3-10 | X | |
| B-124 | W. Lederhouse | 24 | 68.5 | | 3-10 | X | |
| B-125 | W. Kolloff | 19 | 10.0 | | 3-10 | X | |
| B-126 | W. Smithson (Est.) | 19 | 139.5 | 9,000. | 3-10 3-24-1942* | | X |
| B-127 | W. Kincaid | 19 | 152.39 | | 3-10 | X | |
| B-128 | M. Truesdell | 13 | 50.5 | 3,800. | 3-10 3-24-1942* | | X |
| B-129 | D. Wisner, Jr. | 19 | 47.97 | | 3-10 | X | |
| B-130 | G. Clarke | 13 | 19.0 | 2,500. | 3-10 6-20-1942* | X | |
| B-131 | C. Hufford | 13 | 12.0 | 6,000. | 3-10 6-20-1942* | X | |
| B-132 | F. Amsdell | 13 | 60.0 | | 3-10 | X | |
| B-133 | D. McCollum | 13 | 60.0 | | 3-10 | X | |
| B-134 | E. Clark | 13 | 88.0 | | 3-10 | X | |
| B-135 | F. Fector | 13 | 12.0 | | 3-10 | X | |
| B-136 | O. Martin (Est.) | 13 | 1.0 | 150. | 3-10 3-24-1942* | | X |
| B-137 | J. Strassner | 7 | 50.0 | | 3-10 | X | |
| B-138 | W. Gieseler | 7 | 51.5 | | 3-10 | X | |

*Date indicates date of "Declaration of Taking, Civil Number 977," signed by the Secretary of War.

RODUCED AT THE NATIONAL ARCHIVES



APPENDIX
SECTION B

LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION Porter Township | ACRES ± CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED IN UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| B-139 | A. Henseling | 7 | 48.0 | | 3-10 | X | |
| B-140 | A. Schmidt | 7 | 25.0 | | 3-10 | X | |
| B-141 | M. Schmidt | 7 | 25.0 | 1,700. | 3-10<br>6-20-1942* | X | |
| B-142 | N. Belden | 7 | 10.0 | | 3-10 | X | |
| B-143 | D. De Mason | 7 | 10.0 | | 3-10 | X | |
| B-144 | C. Paul | 7 | 20.0 | | 3-10 | X | |
| B-145 | W. Russell | 7 | 20.0 | | 3-10 | X | |
| B-146 | E. Robertson | 7 | 100.0 | | 3-10 | X | |
| B-147 | C. Broeker | 20 | 60.0 | | 3-10 | X | |
| B-148 | St. Johns German Lutheran Ch. | 24-25 | 1.31 | | 3-10 | X | |
| B-149 | This Number not used. | | | | 3-10 | | |
| B-150 | S. Robertson | 15 | 97.0 | 21,520. | 2-24<br>3-24-1942* | | X |
| B-151 | E. Baker | 8 | 159.5 | | 2-24 | X | |
| B-152 | J. Truesdale (Est.) | 8 | 100.0 | | 2-24 | X | |
| B-153 | D. Moss | 8-9 | 103.4 | | 2-24 | X | |
| B-154 | A. McCollum | 13-14 | 133.75 | | 2-10 | X | |
| B-155 | W. Corrigan | 14 | 89.6 | | 2-10 | X | |
| B-156 | M. Smithson | 14 | 66.66 | | 2-10 | X | |
| B-157 | C. Truesdale | 14 | 83.33 | | 2-10 | X | |
| B-158 | M. Lloyd | 14-15 | 99.0 | | 2-10 | X | |

* Date indicates date of "Declaration of Taking, Civil Number 977," signed by the Secretary of War.

APPENDIX
SECTION B

LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION<br>Porter Township | ACRES ± CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| B-159 | E. Hobbs | 20 | 30.87 | 3,800. | 3-10<br>6-20-1942* | X | |
| B-160 | L. Martin | 20-21-15 | 170.75 | 8,600. | 2-24<br>3-6-1942* | | X |
| B-161 | A. Broeker | 20 | 100.0 | | 3-10 | X | |
| B-162 | A. Langdon | 20 | 10.0 | 4,000. | 3-10<br>3-24-1942* | | X |
| B-163 | K. Tower | 21 | 17.5 | | 3-10 | X | |
| B-164 | School No. 11 (Porter) | 21 | 0.4 | 1,300. | 2-10<br>2-20-1942* | | X |
| B-165 | W. Marsh | 20 | 64.0 | | 3-10 | X | |
| B-166 | J. McCann | 20 | 60.0 | | 3-10 | X | |
| B-167 | M. Hogarth | 25-20 | 79.5 | 9,000. | 3-10<br>6-20-1942* | | X |
| B-168 | G. McGraw Hackett | 25 | 97.0 | 16,000. | 3-10<br>3-24-1942* | | X |
| B-169 | J. Hayes | 25 | 2.02 | | 3-10 | X | |
| B-170 | L. Truesdale | 25 | 113.9 | 21,000. | 3-10<br>2-26-1942* | | X |
| B-171 | G. Robinson | 25 | 26.0 | | 3-10 | X | |
| B-172 | E. O'Brien | 21 | 50.0 | | 3-10 | X | |
| B-173 | H. Truesdale | 9 | 100.0 | 13,500. | 2-24<br>3-6-1942* | | X |
| B-174 | E. Baker | 9 | 100.36 | | 2-24 | X | |
| B-175 | L. Myers | 9 | 49.75 | | 2-24 | X | |
| B-176 | G. Carter | 9 | 25.79 | | 2-24 | X | |
| B-177 | E. Strablow | 9 | 15.0 | | 2-24 | X | |
| B-178 | L. James | 21 | 15.0 | | 2-24 | X | |

*Date indicates date of "Declaration of Taking, Civil Number 977," signed by the Secretary of War.

APPENDIX
SECTION B

LAND ACQUISITION RECORD

| PARCEL NUMBER | OWNER OF PARCEL | GREAT LOT LOCATION Porter Township | ACRES ± CONTAINED IN PARCEL | GOVERNMENT ESTIMATED PRICE | DATE WHEN POSSESSION WAS ORDERED DELIVERED TO UNITED STATES OF AMERICA | SIGNED OPTION DIRECT PURCHASE | CONDEMNED FOR REFUSAL TO SIGN OPTION |
|---|---|---|---|---|---|---|---|
| B-179 | A. Forgione | 21 | 20.0 | 400. | 3-10<br>3-24-1942* | | X |
| B-180 | A. Robinson | 21 | 39.42 | 1,250. | 3-10<br>3-24-1942* | X | |
| B-181 | C. Myers | 15 | 94.0 | | 2-24 | X | |
| B-182 | F. Tower | 15 | 67.5 | | 2-24 | X | |
| B-183 | S. Olejarczyk | 21-26 | 30.0 | | 3-10 | X | |
| B-184 | H. Carter | 21 | 98.875 | 12,000. | 3-10<br>3-6-1942* | | X |
| B-185 | S. Carter | 21 | 1.125 | 4,100. | 3-10<br>3-6-1942* | | X |
| B-186 | L. Vanluven | 26 | 26.75 | | 3-10 | X | |
| B-187 | E. Lloyd | 26 | 19.5 | | 3-10 | X | |
| B-188 | R. Lutts | 26 | 62.72 | 3,200. | 3-10<br>3-24-1942* | | X |
| B-189 | D. De Mason | 26 | 3.75 | | 3-10 | X | |
| B-190 | G. Robinson | 26 | 2.72 | | 3-10 | X | |
| B-191 | B. Wardell | 26 | 1.0 | | 3-10 | X | |
| B-192 | L. VanLuven | 26 | 8.28 | | 3-10 | X | |
| B-193 | W. Morris | 26 | 104.0 | | 3-10 | X | |
| B-194 | J. Kyle | 26 | 0.72 | | 3-10 | X | |

ORDER AND DATE OF "DECLARATION OF TAKINGS, CIVIL NUMBER 977", SIGNED BY THE SECRETARY OF WAR.

| "Taking" | Date - 1942 |
|---|---|
| First | February 11 |
| Second | February 20 |
| Third | February 26 |
| Fourth | March 6 |
| Fifth | March 24 |
| Sixth | June 20 |

*Date indicates date of "Declaration of Taking, Civil Number 977," signed by the Secretary of War.

W.B. FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 5 PM
LATITUDE 43.16. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION
MONTH JAN, 1942. MERIDIAN OF TIME E.S. PRECIP. 8 AM

| DATE | TEMPERATURE MAXIMUM | TEMPERATURE MINIMUM | TEMPERATURE [2] SET MAX. | PRECIPITATION TIME OF BEGINNING | PRECIPITATION TIME OF ENDING | PRECIPITATION [3] AMOUNT (INCHES & HUNDREDTHS) | PRECIPITATION SNOWFALL (INCHES & TENTHS) | SNOW ON GROUND AT OBSERVATION | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. OLD.) CLEAR (0–3) | PARTLY (4–7) | CLOUDY (8–10) | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 37 | 28 | 38 | 3 | 4 | 05 | 00 | 00 | SE L | | ✓ | | |
| 2 | 45 | 26 | 28 | 6 | 9 | 20 | 1" | 1" | N G | | | ✓ | HIGH WIND |
| 3 | 28 | 19 | 20 | | | 00 | 00 | 1 | N L | | ✓ | | |
| 4 | 31 | 21 | 25 | N | N | 19 | 3 | 3 | NW L | | ✓ | | |
| 5 | 25 | 10 | 10 | | | 00 | 0 | 3 | NW L | ✓ | | | |
| 6 | 20 | 3 | 20 | SNOWFALL ALL DAY | | 01 | 1 | 4 | N H | | | ✓ | HIGH WIND (ERRATIC) |
| 7 | 21 | -1 | 3 | N | N | 01 | 1 | 4 | N H | | ✓ | | HIGH WIND (FIRST ICE) |
| 8 | 14 | -11 | 8 | | | 00 | 0 | 4 | N L | ✓ | | | MED ICE |
| 9 | 20 | 5 | 20 | 3 | 4 | 02 | 1/2 | 4 | N F | | ✓ | | HEAVY ICE |
| 10 | 20 | -6 | 8 | N | N | 05 | 1 | 5 | SW L | ✓ | | | HEAVY ICE (RIVER FULL) |
| 11 | 24 | 5 | 20 | N | N | T | 1/2 | 5 | N L | ✓ | | | HEAVY ICE |
| 12 | 33 | 17 | 34 | AM | NOON | 00 | 1/4 | 4 1/2 | SW F | | | ✓ | LIGHT ICE |
| 13 | 34 | 8 | 23 | | | 00 | 00 | 3 1/2 | SW L | | ✓ | | NO ICE |
| 14 | 40 | 21 | 39 | | | 00 | 00 | 2 1/2 | SW H | | ✓ | | HIGH WINDS NO ICE |
| 15 | 38 | 20 | 31 | AM | AM | 01 | 00 | 2 1/2 | SW F | | | ✓ | LIGHT ICE |
| 16 | 33 | 11 | 16 | | | T | T | 2 | NW L | ✓ | | | LIGHT ICE |
| 17 | 42 | 11 | 39 | | | 00 | 00 | 2 | NW L | ✓ | | | MED ICE |
| 18 | 40 | 37 | 41 | LIGHT SNOW ALL | | T | 00 | T | SW L | | | ✓ | VERY LIGHT ICE |
| 19 | 41 | 35 | 36 | & SHOWERS ALL DAY | | 04 | 00 | T | N L | | | ✓ | DENSE FOG NO ICE |
| 20 | 37 | 32 | 34 | N | N | T | 00 | T | W L | | ✓ | | NO ICE |
| 21 | 35 | 25 | 32 | N | N | 04 | 00 | T | NW | | ✓ | | NO ICE |
| 22 | 36 | 30 | 35 | | | 00 | 00 | T | W L | | | ✓ | NO ICE |
| 23 | 42 | 33 | 39 | | | 00 | 00 | 00 | SW L | ✓ | | | NO ICE |
| 24 | 43 | 32 | 44 | | | 00 | 00 | 00 | W L | ✓ | | | NO ICE |
| 25 | 34 | 23 | 30 | | | 00 | 00 | 00 | NE F | | | ✓ | NO ICE |
| 26 | 35 | 29 | 31 | 4 | 5 | T | T | T | NE L | | | ✓ | NO ICE |
| 27 | 35 | 31 | 34 | DRIZZLE | | 00 | 00 | 00 | N L | | | ✓ | NO ICE |
| 28 | 34 | 20 | 21 | N | N | 02 | T | T | NE F | | | ✓ | NO ICE |
| 29 | 23 | 14 | 16 | | | 00 | 00 | T | NE L | ✓ | | | VERY LIGHT ICE |
| 30 | 36 | 14 | 34 | | | 00 | 00 | 00 | NE F | | ✓ | | NO ICE |
| 31 | 39 | 33 | 37 | N | 3 | .27 | 00 | 00 | NE L | | | ✓ | LIGHT FOG NO ICE |
| 1 ST. | 1020 | 585 | | | | 1.91 | 8 | | | 9 | 10 | 12 | |
| SUM | | | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Percy R. Morgan
(COOPERATIVE OBSERVER)
Lewiston N.Y.
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 2-6-7-14
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/8 MI. OR MORE) 31
DENSE (VIS. LESS THAN 1/8 MI.) 19
DEPTH OF FROZEN GROUND AT END OF MO. FROZEN INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 32.9
MEAN MINIMUM, 18.8
MEAN MONTHLY, 25.8 DEPARTURE,
MAXIMUM, 45 ; DATE, 18
MINIMUM, -6 ; DATE, 20

### PRECIPITATION
TOTAL, 1.91 INS. DEPARTURE,

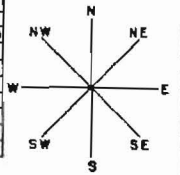
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| .27 | 31 | | |

### SNOW
TOTAL SNOWFALL, 8 INCHES
GREATEST IN ANY OBSERVATIONAL DAY 3
DATE 31

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:
UNDER RULE I HAVE NOTED ICE CONDITIONS IN THE NIAGARA RIVER AT THIS POINT




STATION LEWISTON
MONTH JAN, 1942

08

W.B. FORM 1003

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 5:30
LATITUDE 43 10. LONGITUDE 79.03. ELEVATION 373. HOUR OF OBSERVATION PRECIP. 8:30
MONTH FEB, 1942. MERIDIAN OF TIME E.S.T.

| DATE | TEMPERATURE: MAXIMUM | TEMPERATURE: MINIMUM | TEMPERATURE: 5 SET MAX. | PRECIPITATION: TIME OF BEGINNING | PRECIPITATION: TIME OF ENDING | PRECIPITATION: 3 AMOUNT INCHES & HUNDREDTHS | PRECIPITATION: SNOWFALL INCHES & TENTHS | PRECIPITATION: SNOW ON GROUND AT OBSERVATION | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.): CLEAR (0–3) | PCLDY (4–7) | CLOUDY (8–10) | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 39 | 20 | 21 | N | 12 | .25 | 2" | 2 | NW F | | | V | NO ICE |
| 2 | 21 | 3 | 11 | N | 11 | 05 | 1 | 3 | N L | | V | | LIGHT ICE |
| 3 | 19 | 4 | 15 | | 11 | 00 | 00 | 3 | S L | V | | | MED ICE |
| 4 | 31 | 11 | 30 | N | N | T | T | 3 | NE L | | | V | LIGHT ICE |
| 5 | 33 | 29 | 34 | N | 2 | 40 | 2 | 5 | NE L | V | | | VERY LIGHT ICE |
| 6 | 35 | 28 | 35 | LIGHT MIST | FREEZING | T | 00 | 3 | NE L | V | | | NO ICE |
| SH 7 | 35 | 30 | 30 | RAIN IN NIGHT 7 SNOW AT | RAIN | 1.90 | 9 | 10 | NE F | V | | | |
| SH 8 | 30 | 13 | 15 | N | 10 | 38 | 5 | 14 | N L | | V | | MED ICE |
| 9 | 28 | 4 | 28 | | | 00 | 00 | 13 | NE F | V | | | LIGHT ICE |
| 10 | 22 | 2 | 30 | | | 00 | 00 | 12 | NE F | | | V | LIGHT ICE |
| 11 | 26 | 16 | 21 | N | N | 10 | 2 | 14 | NE L | V | | | LIGHT ICE |
| 12 | 26 | 2 | 22 | | | 00 | 00 | 14 | N L | V | | | MED ICE |
| 13 | 30 | 4 | 28 | | | 00 | 00 | 13 | N L | V | | | LIGHT ICE |
| 14 | 34 | 20 | 32 | | | 00 | 00 | 10 | NW L | V | | | VERY LIGHT ICE |
| 15 | 44 | 27 | 35 | N | N | 03 | 1 | 11 | N | V | | | " " " |
| 16 | 42 | 25 | 40 | 8 | SNOWERS ALL DAY | 03 | 00 | 9 | SE L | | | V | NO ICE |
| 17 | 41 | 32 | 33 | N | N | 53 | 00 | 6½ | SW F | | | V | |
| 18 | 34 | 19 | 25 | | | 00 | 00 | 6½ | S L | | | V | |
| 19 | 29 | 6 | 12 | 9 PM | 10 AM | 06 | 1 | 7½ | SW H | | V | | |
| 20 | 22 | 5 | 18 | | | 00 | 00 | 7½ | SW L | | | V | LIGHT ICE |
| 21 | 23 | 11 | 21 | | | 00 | 00 | 7½ | NW F | | V | | MED ICE |
| 22 | 29 | 19 | 29 | N | 8 | 06 | 1 | 8 | NW F | | | V | LIGHT ICE |
| 23 | 29 | 19 | 25 | 7 | 16 | 04 | 1/2 | 8 | NW | | V | | GLAZE—DRIZZLE " " |
| 24 | 30 | 10 | 27 | | | 00 | 00 | 8 | N F | | | V | VERY LIGHT ICE |
| 25 | 31 | 23 | 29 | SNOW SQUALLS | | T | T | 8 | NW L | | V | | " " " |
| 26 | 31 | 19 | 27 | 430 | N | 04 | T | 8 | SW L | | | V | NO ICE |
| 27 | 32 | 20 | 30 | N | N | 03 | 1/2 | 8½ | NW L | | | V | " " " |
| 28 | 41 | 28 | 39 | N | 10 | 20 | "2 | 8 | N L | | | V | NO ICE |
| 29 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | |
| 1 ST. | 564 | 449 | | | | 4.10 | 26½ | | | | | | |
| SUM | 308 | 16. | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Percy R. Morgan
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 19
GLAZE, (FREEZING RAIN) 23
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/8 MI. OR MORE)
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. 9" INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 30.9
MEAN MINIMUM, 16
MEAN MONTHLY, 23.4 DEPARTURE,
MAXIMUM, 44 ; DATE, 15th
MINIMUM, 2 ; DATE, 10 – 12

### PRECIPITATION
TOTAL, 4.10 INS. DEPARTURE,

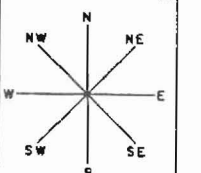
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| 1.90 | 7 | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:
UNDER MISC. I HAVE NOTED ICE CONDITIONS IN THE NIAGARA RIVER AT THIS POINT




STATION Lewiston
MONTH Feb, 1942

09

W B FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6 PM
LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION
MONTH MARCH, 1942. MERIDIAN OF TIME E.S.W.S. PRECIP. 6 PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. OLD) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | SET MAX. | TIME OF BEGINNING | TIME OF ENDING | AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0—3) | P.CLDY (4—7) | CLOUDY (8—10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 39 | 31 | 36 | | | 00 | 00 | 8 | N L | | | V | NO ICE |
| 2 | 38 | 31 | 36 | | | 00 | 00 | 7 | NE L | | | V | " " |
| 3 | 36 | 31 | 32 | N ALL DAY | | 83 | 11 | 18 | NE F | | | V | " " |
| 4 | 39 | 25 | 36 | N | N | 62 | 05 | 15 | SW L | V | | | " " |
| 5 | 39 | 32 | 37 | N | 2 | 04 | T | 11 | SW L | | | V | " " |
| 6 | 42 | 28 | 35 | | | 00 | 00 | 9 | NW L | V | | | " " |
| 7 | 50 | 23 | 45 | 7 | 8 | T | T | 8 | SW L | | V | | " " |
| 8 | 51 | 41 | 51 | | | 00 | 00 | 6 | NE L | | V | | HEAVY RUN ICE |
| 9 | 52 | 26 | 29 | N 2 | N RAIN - SNOW | 48 | 1 | 1 | W G | | | V | CLR BAROMETER 29.10 LIGHT ICE |
| 10 | 38 | 26 | 37 | | | 00 | 00 | T | W M | V | | | HIGH WIND NO ICE |
| 11 | 45 | 27 | 42 | 4 | — | 1.2 | 00 | T | W L | | | V | " " |
| 12 | 43 | 32 | 34 | N | N | 26 | 00 | T | N F | | V | | " " |
| 13 | 40 | 22 | 37 | | | 00 | 00 | 00 | NE F | | | V | " " |
| 14 | 37 | 30 | 35 | 13 PM | 14 PM | 15 | 00 | 00 | E L | | | V | " " |
| 15 | 36 | 32 | 37 | | | 00 | 00 | 00 | NE L | | | V | " " |
| 16 | 41 | 32 | 41 | 1 | — | 47 | 00 | 00 | NE L | | | V | THUNDER " " |
| 17 | 56 | 38 | 45 | N | 10 | 71 | 00 | 00 | SW G | | V | | HIGH WIND THUNDER VERY LIGHT ICE |
| 18 | 45 | 37 | 37 | 3 | 5 | T | 00 | 00 | SW F | | | V | NO ICE |
| 19 | 40 | 33 | 38 | 1 | | 00 | 00 | 00 | W F | | V | | " " |
| 20 | 47 | 29 | 42 | | | 00 | 00 | 00 | SW L | V | | | " " |
| 21 | 53 | 32 | 45 | | | 05 | 00 | 00 | SW L | | | V | " " |
| 22 | 45 | 30 | 33 | N | N | 14 | 00 | 00 | NW F | | | V | " " |
| 23 | 36 | 30 | 35 | SNOW SQUALLS | | 01 | 00 | 00 | NW F | | | V | MELTED " " |
| 24 | 43 | 29 | 38 | | | 00 | 00 | 00 | N L | V | | | " " |
| 25 | 45 | 23 | 43 | | | 00 | 00 | 00 | N L | V | | | " " |
| 26 | 47 | 24 | 46 | | | 00 | 00 | 00 | NE L | V | | | " " |
| 27 | 60 | 29 | 54 | | | 00 | 00 | 00 | NE F | V | | | " " |
| 28 | 53 | 33 | 34 | 11 | — | 05 | T | T | SE L | | | V | MELTED " " |
| 29 | 43 | 32 | 36 | 10 AM ALL DAY | | 18 | 00 | 00 | E L | | | V | MOD-RUN ICE |
| 30 | 45 | 31 | 41 | N | N | .01 | 00 | 00 | NE L | V | | | VERY LIGHT ICE |
| 31 | 41 | 28 | 34 | 2 | — | 10 | T | T | NE S | V | | | MELTED LIGHT ICE |
| 1st | 1372 | 926 | | | | 4.22 | 17 | | | | | | |
| SUM | 44.2 | 29.9 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Rec. N Niagara
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 9-10-17
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS, 16-17
FOG, LIGHT (VIS. 5/8 MI. OR MORE) 31
DENSE (VIS. LESS THAN 5/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. 0 INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 44.2
MEAN MINIMUM, 29.9
MEAN MONTHLY, 37. DEPARTURE,
MAXIMUM, ; DATE,
MINIMUM, ; DATE,

### PRECIPITATION
TOTAL, 4.22 INS. DEPARTURE,

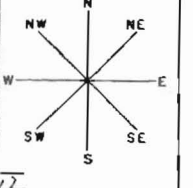
GREATEST AMOUNT

| (IN ANY OBSERVATIONAL DAY) | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| | | | |

### SNOW
TOTAL SNOWFALL, 17 INCHES
GREATEST IN ANY OBSERVATIONAL DAY, 11
DATE 3

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:
UNDER RAISE, I HAVE NOTED ICE CONDITIONS AT THIS POINT IN THE NIAGARA RIVER




STATION LEWISTON
MONTH MARCH, 1942

cc

RODUCED AT THE NATIONAL ARCHIVES

FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6 PM
LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323 HOUR OF OBSERVATION
MONTH APRIL, 1942. MERIDIAN OF TIME E.S.T. PRECIP. 6 PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | [2] SET MAX. | TIME OF BEGINNING | TIME OF ENDING | [3] AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0–3) | P.CLDY. (4–7) | CLOUDY (8–10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 51 | 32 | 49 | | | 00 | | | NW L | ✓ | | | LIGHT ICE |
| 2 | 61 | 37 | 57 | | | 00 | | | SW H | ✓ | | | HIGH WIND NO " |
| 3 | 57 | 35 | 46 | | | 00 | | | NE F | | ✓ | | NO " |
| 4 | 57 | 37 | 54 | | | 00 | | | NW L | ✓ | | | HEAVY " |
| 5 | 62 | 45 | 47 | | | 00 | | | NW L | ✓ | | | THUNDER VERY LIGHT " |
| 6 | 64 | 39 | 51 | N | N | 06 | | | NE L | | ✓ | | HEAVY " |
| 7 | 51 | 36 | 38 | N HLL | DAY | 1.01 | | | NE L | | | ✓ | LIGHT " |
| 8 | 45 | 29 | 43 | N | N | 14 | | | NE L | ✓ | | | LIGHT " |
| 9 | 43 | 35 | 39 | | | 00 | | | NE F | | | ✓ | NO " |
| 10 | 38 | 31 | 32 | N SNOW | 8AM ALL NIGHT ALL DAY N NW30 | 85 | 7 | 7 | NE F | | | ✓ | LIGHT " |
| 11 | 39 | 29 | 39 | N | | 08 | 1/2 | 3 | N H | | ✓ | | HIGH WIND LIGHT " |
| 12 | 48 | 32 | 44 | | | 00 | 00 | T | N L | ✓ | | | LIGHT " |
| 13 | 52 | 29 | 49 | | | 00 | 00 | 00 | N | ✓ | | | LIGHT " |
| 14 | 60 | 35 | 59 | | | 00 | | | SW L | | ✓ | | VERY LIGHT " |
| 15 | 72 | 51 | 68 | | | 00 | | | SW L | | ✓ | | LIGHT " |
| 16 | 71 | 47 | 66 | | | 00 | | | N L | ✓ | | | MED " |
| 17 | 69 | 49 | 51 | N 2 | N 9 | 07 | | | SW F | | ✓ | | HEAVY " |
| 18 | 52 | 35 | 43 | | | 60 | | | N F | | | ✓ | MED " |
| 19 | 48 | 35 | 42 | | | 00 | | | N L | | ✓ | | LIGHT " |
| 20 | 66 | 37 | 52 | | | 00 | | | N L | | ✓ | | LIGHT " |
| 21 | 63 | 38 | 61 | | | 00 | | | N L | | ✓ | | VERY LIGHT " |
| 22 | 71 | 38 | 65 | | | 00 | | | N L | ✓ | | | NO " |
| 23 | 75 | 41 | 71 | | | 06 | | | SW L | ✓ | | | NO " |
| 24 | 82 | 45 | 75 | | | 00 | | | SW L | ✓ | | | LAST ICE MED " |
| 25 | 84 | 47 | 81 | | | 00 | | | N L | ✓ | | | |
| 26 | 80 | 46 | 74 | | | 00 | | | NE L | ✓ | | | |
| 27 | 74 | 46 | 64 | | | 00 | | | NE L | | ✓ | | |
| 28 | 81 | 45 | 79 | | | 00 | | | SW L | ✓ | | | |
| 29 | 78 | 50 | 69 | | | 00 | | | SW L | ✓ | | | |
| 30 | 84 | 50 | 80 | | | 00 | | | SW L | ✓ | | | |
| 31 | | | | | | | | | | | | | |
| 1ST. | 1879 | 1180 | | | | 2.21 | | | | 16 | 10 | 4 | |
| SUM | 626 | 393 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Lucy A. Hoveman
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 2 – 11
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS, 5
FOG, LIGHT (VIS. 6/8 MI. OR MORE)
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. 0 INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 62.6
MEAN MINIMUM, 39.3
MEAN MONTHLY, 50.9 DEPARTURE,
MAXIMUM, 84 ; DATE, 24 - 30
MINIMUM, 29 ; DATE, 8-11-13

### PRECIPITATION
TOTAL, 2.21 INS. DEPARTURE,

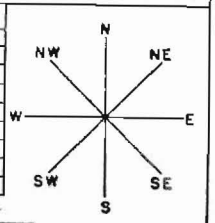
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| 1.01 | 7 | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, 16 PARTLY CLOUDY, 10 CLOUDY, 4

REMARKS BY OBSERVER:
UNDER MISC I HAVE NOTED ICE CONDITIONS IN THE NIAGARA RIVER AT THIS POINT




STATION LEWISTON
MONTH APRIL, 1942

REPRODUCED AT THE NATIONAL ARCHIVES

FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6 PM
LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION
MONTH MAY, 1942 MERIDIAN OF TIME E.S.T. PRECIP. 6 PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLO.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | [2] SET MAX. | TIME OF BEGINNING | TIME OF ENDING | [3] AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0—3) | P.CLDY. (4—7) | CLOUDY (8—10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 83 | 55 | 74 | | | 00 | | | SE L | ✓ | | | |
| 2 | 82 | 68 | 80 | | | 00 | | | SW F | ✓ | | | |
| 3 | 81 | 59 | 78 | 7.30 | 11 | .23 | | | SW L | | ✓ | | THUNDER |
| 4 | 77 | 54 | 54 | | | 00 | | | N L | | | ✓ | |
| 5 | 61 | 44 | 53 | | | 00 | | | NW L | | | ✓ | |
| 6 | 56 | 40 | 54 | 5 | — | T | | | E F | | | ✓ | |
| 7 | 56 | 45 | 49 | 3.30 | — | 37 | | | SW F | | | ✓ | |
| 8 | 67 | 39 | 65 | N | N | 03 | | | N L | ✓ | | | |
| 9 | 71 | 46 | 66 | 3.30 | 4.30 | .10 | | | SW F | ✓ | | | |
| 10 | 56 | 34 | 53 | N | N | 03 | | | N L | ✓ | | | |
| 11 | 64 | 34 | 55 | | | 00 | | | NE L | ✓ | | | WHITE FROST |
| 12 | 65 | 51 | 67 | 10 | 11 | 07 | | | SW H | | ✓ | | HIGH WIND |
| 13 | 77 | 50 | 76 | N | N | 02 | | | N S | ✓ | | | |
| 14 | 66 | 45 | 60 | | | 00 | | | SW F | | ✓ | | |
| 15 | 79 | 56 | 67 | 10 | — | 75 | | | NE L | | | ✓ | |
| 16 | 67 | 50 | 51 | N | 11 | 1.20 | | | SW F | | | ✓ | |
| 17 | 59 | 49 | 59 | | | 00 | | | N L | | | ✓ | |
| 18 | 70 | 43 | 63 | | | 00 | | | NE F | | | ✓ | |
| 19 | 76 | 49 | 72 | 10 | 11 | .11 | | | S L | | ✓ | | |
| 20 | 71 | 47 | 53 | 2.30 | — | .12 | | | NE L | | | ✓ | |
| 21 | 59 | 48 | 56 | N | N | .05 | | | NE L | | | ✓ | |
| 22 | 57 | 49 | 56 | ALL DAY | | 97 | | | NE L | | | ✓ | |
| 23 | 59 | 49 | 65 | " " | | T | | | SW F | | | ✓ | |
| 24 | 55 | 50 | 54 | N | N | 07 | | | SW L | | | ✓ | |
| 25 | 70 | 48 | 68 | | | 00 | | | S L | ✓ | | | |
| 26 | 73 | 49 | 70 | | | 00 | | | S L | | ✓ | | |
| 27 | 70 | 51 | 61 | | | 06 | | | NE L | | ✓ | | |
| 28 | 74 | 40 | 73 | | | 00 | | | NE L | ✓ | | | |
| 29 | 84 | 49 | 76 | | | 00 | | | S L | ✓ | | | THUNDER |
| 30 | 66 | 62 | 82 | N | 10 | 26 | | | SW H | | ✓ | | HIGH WIND IN NIGHT |
| 31 | 82 | 55 | 62 | 6 PM — | 3 AM | 1.30 | | | NE F | | ✓ | | HIGH WIND TONIGHT LIGHT RAIN THUNDER |
| 1 ST. | 2136 | 1509 | | | | 5.64 | | | | | | | |
| SUM | 70.2 | 48.6 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Lucy R. Morgan
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 12-30-31
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL, 31
KILLING FROST,
THUNDERSTORMS, 3-30-31
FOG, LIGHT (VIS. 5/8 MI. OR MORE)
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. 0 INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 70.2
MEAN MINIMUM, 48.6
MEAN MONTHLY, 59.4 DEPARTURE,
MAXIMUM, 86 ; DATE, 14-30
MINIMUM, 34 ; DATE, 10-11

### PRECIPITATION
TOTAL, 5.64 INS. DEPARTURE,

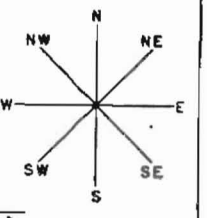
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| 1.30 | 31 | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:




STATION LEWISTON
MONTH MAY, 1942

REPRODUCED AT THE NATIONAL ARCHIVES

FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6. PM
LATITUDE 43 10. LONGITUDE 79 03. ELEVATION 323. HOUR OF OBSERVATION
MONTH JUNE, 1942. MERIDIAN OF TIME E.S.T. PRECIP. 6. PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | [2] SET MAX. | TIME OF BEGINNING | TIME OF ENDING | [3] AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0–3) | P.CLDY. (4–7) | CLOUDY (8–10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 62 | 50 | 50 | N 8:30 | N 9 | .06 | | | NE L | | | ✓ | LIGHT FOG |
| 2 | 68 | 48 | 63 | | | 00 | | | N L | | ✓ | ✓ | " " |
| 3 | 72 | 51 | 69 | | | 02 | | | N L | | ✓ | | |
| 4 | 79 | 54 | 73 | 12 | 2 | 23 | | | NE | | ✓ | | LIGHT FOG |
| 5 | 75 | 56 | 73 | | | 00 | | | NE L | ✓ | | | |
| 6 | 81 | 51 | 75 | | | 00 | | | NE L | | ✓ | | |
| 7 | 74 | 61 | 63 | N | N | 14 | | | NE L | | | ✓ | |
| 8 | 71 | 50 | 69 | | | 00 | | | NE F | ✓ | | | |
| 9 | 79 | 44 | 76 | | | 00 | | | NE L | ✓ | | | |
| 10 | 89 | 56 | 85 | | | 00 | | | NE L | | ✓ | | |
| 11 | 85 | 72 | 84 | | | 00 | | | SW L | | ✓ | | |
| 12 | 86 | 68 | 80 | | | 00 | | | SW F | | ✓ | | |
| 13 | 81 | 66 | 75 | N | 7 | 30 | | | N L | ✓ | | | |
| 14 | 75 | 54 | 58 | 8 | 10 | 22 | | | NE F | | | ✓ | |
| 15 | 68 | 45 | 67 | | | 00 | | | N L | ✓ | | | |
| 16 | 67 | 47 | 65 | | | 00 | | | NE L | | | ✓ | |
| 17 | 69 | 56 | 69 | | | 00 | | | NE L | | ✓ | | |
| 18 | 79 | 53 | 73 | | | 00 | | | NW L | | ✓ | | |
| 19 | 83 | 59 | 79 | | | 00 | | | SW F | | ✓ | | |
| 20 | 79 | 53 | 76 | | | 00 | | | NE L | ✓ | | | |
| 21 | 82 | 62 | 78 | N | N | 04 | | | NE F | ✓ | | | |
| 22 | 81 | 59 | 68 | N 5:30 | N 6 | .01 | | | NE L | | | ✓ | |
| 23 | 73 | 54 | 65 | N 2 | N | .09 | | | SW F | | ✓ | | |
| 24 | 70 | 52 | 63 | N 10 | N 10:30 | .34 | | | SW | | | ✓ | |
| 25 | 76 | 46 | 73 | | | 00 | | | NE L | ✓ | | | |
| 26 | 79 | 50 | 73 | | | 00 | | | NE L | ✓ | | | |
| 27 | 78 | 53 | 77 | | | 00 | | | NE L | ✓ | | | |
| 28 | 83 | 57 | 80 | | | 00 | | | NE L | ✓ | | | |
| 29 | 88 | 61 | 81 | | | 00 | | | NE L | ✓ | | | |
| 30 | 90 | 68 | 76 | | | 00 | | | SW F | | ✓ | | |
| 31 | | | | | | | | | | | | | |
| 1 ST. | 2330 | 1358 | | | | 1.45 | | | | | | | |
| SUM | 77.1 | 55.1 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Geo. A Morgan
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS,
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/8 MI. OR MORE) 1-2-4
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 77.1
MEAN MINIMUM, 55.1
MEAN MONTHLY, 66.1 DEPARTURE,
MAXIMUM, 90 ;DATE, 30
MINIMUM, 44 ;DATE, 9

### PRECIPITATION
TOTAL, 1.45 INS. DEPARTURE,

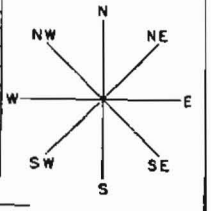
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| 34 | 24 | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:




STATION
MONTH , 19

W. [illegible] 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6.
LATITUDE 43 10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION
MONTH JULY, 1942. MERIDIAN OF TIME E.S.T. PRECIP. 6

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | [2] SET MAX. | TIME OF BEGINNING | TIME OF ENDING | [3] AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0–3) | P. CLDY. (4–7) | CLOUDY (8–10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 81 | 64 | 78 | P | N | .09 | | [illegible] | SW L | | | ✓ | |
| 2 | 78 | 52 | 70 | | | 00 | | | NW L | ✓ | | | |
| 3 | 82 | 51 | 80 | | | 00 | | | C L | ✓ | | | |
| 4 | 82 | 64 | 75 | N | N | 01 | | | NE L | | | ✓ | |
| 5 | 83 | 54 | 82 | | | 00 | | | SW F | ✓ | | | |
| 6 | 82 | 60 | 68 | N | 10 | .15 | | | N L | | ✓ | | |
| 7 | 77 | 49 | 72 | | | 00 | | | SW [illegible] | | ✓ | | |
| 8 | 75 | 58 | 69 | N | N | T | | | SW L | ✓ | | | |
| 9 | 76 | 48 | 73 | | | 00 | | | N L | ✓ | | | |
| 10 | 74 | 49 | 67 | 4 | — | T | | | NE L | | | ✓ | |
| 11 | 85 | 60 | 80 | N | N | 02 | | | NE F | | ✓ | | FOG |
| 12 | 87 | 56 | 83 | | | 00 | | | SW L | ✓ | | | |
| 13 | 93 | 67 | 89 | | | 00 | | | SW F | ✓ | | | |
| 14 | 89 | 68 | 73 | | | 00 | | | SW F | ✓ | | | |
| 15 | 82 | 57 | 77 | | | 00 | | | SW F | ✓ | | | |
| 16 | 86 | 49 | 73 | | | 00 | | | NW L | ✓ | | | THUNDER |
| 17 | 90 | 67 | 82 | 8 | 9:20 | 70 | | | SW L | | ✓ | | |
| 18 | 94 | 69 | 86 | 6:15 | [illegible] | 1.99 | ✓ | | SW F | ✓ | | | HIGH WIND |
| 19 | 90 | 69 | 78 | 2 | N | .04 | | | SW F | | ✓ | | |
| 20 | 81 | 66 | 69 | N | N | .31 | | | NE L | | ✓ | | |
| 21 | 81 | 57 | 77 | | | 00 | | | N L | ✓ | | | |
| 22 | 80 | 59 | 74 | | | 00 | | | NE L | | | ✓ | |
| 23 | 82 | 60 | 79 | | | 00 | | | NE L | ✓ | | | |
| 24 | 83 | 62 | 81 | | | 00 | | | NE L | ✓ | | | |
| 25 | 82 | 59 | 78 | | | 00 | | | NE L | ✓ | | | |
| 26 | 80 | 62 | 75 | | | 00 | | | NE L | ✓ | | | |
| 27 | 85 | 70 | 82 | N | N | 03 | | | E L | | ✓ | | |
| 28 | 86 | 64 | 83 | N | N | 01 | | | NE L | ✓ | | | |
| 29 | 82 | 65 | 68 | 7 | 9 | 31 | | | E | | | ✓ | |
| 30 | 78 | 60 | 76 | | | 00 | | | NE L | | ✓ | | |
| 31 | 84 | 62 | 81 | 4 | 9 | 06 | | | NE | | ✓ | | |
| 1ST. | 2513 | 1798 | | | | 3.80 | | | | | | | |
| SUM | 81.1 | 58 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP. AND PRECIP. FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Lucy R. Hodgson
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTH SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 18
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS, 16
FOG, LIGHT (VIS. 5/8 MI. OR MORE) 11
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. ____ INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 81.2
MEAN MINIMUM, 58
MEAN MONTHLY, 69.6 DEPARTURE,
MAXIMUM, 94 ; DATE, 18
MINIMUM, 48 ; DATE, 9

### PRECIPITATION
TOTAL, 3.80 INS. DEPARTURE,

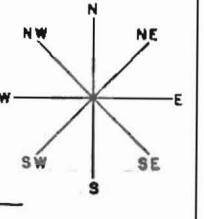
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| 1.99 | 18 | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:




STATION
MONTH July, 19

C.O.

FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6 PM
LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION
MONTH AUG, 1942. MERIDIAN OF TIME E.S.T. PRECIP. 6 PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | [2] SET MAX. | TIME OF BEGINNING | TIME OF ENDING | [3] AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0–3) | P.CLDY. (4–7) | CLOUDY (8–10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 81 | 60 | 78 | | | 00 | | | NE L | ✓ | | | |
| 2 | 82 | 65 | 81 | N | N | 24 | | | NW F | | ✓ | | |
| 3 | 80 | 56 | 74 | " | | 00 | | | NE L | ✓ | | | |
| 4 | 78 | 56 | 70 | | | 00 | | | NE L | ✓ | | | |
| 5 | 70 | 48 | 69 | | | 00 | | | NE F | ✓ | | | |
| 6 | 76 | 50 | 73 | | | 00 | | | NE L | ✓ | | | |
| 7 | 82 | 55 | 74 | | | 00 | | | NE L | | ✓ | | |
| 8 | 77 | 63 | 67 | 230 | — | 07 | | | E L | | | ✓ | |
| 9 | 81 | 61 | 72 | N | N 130 | 10 | | | NE L | | | ✓ | |
| 10 | 78 | 64 | 75 | N 9 | N 10 | 12 | | | N L | | ✓ | | |
| 11 | 76 | 68 | 73 | N | N | 18 | | | NE L | ✓ | ✓ | | |
| 12 | 79 | 57 | 74 | | | 00 | | | NE L | ✓ | Fog | | FOG L |
| 13 | 82 | 57 | 78 | | | 00 | | | NE L | | ✓ | | |
| 14 | 81 | 61 | 77 | | | 00 | | | NE L | | ✓ | | FOG L |
| 15 | 87 | 60 | 82 | | | 00 | | | SW L | ✓ | | | FOG AM |
| 16 | 82 | 67 | 78 | 8:30 | 10 | 32 | | | SW L | | ✓ | | |
| 17 | 79 | 51 | 74 | | | 00 | | | NE L | | ✓ | | |
| 18 | 82 | 53 | 75 | | | 00 | | | SW L | ✓ | | | |
| 19 | 82 | 64 | 76 | | | 06 | | | SW L | ✓ | | | |
| 20 | 85 | 66 | 78 | | | 00 | | | SW L | ✓ | | | |
| 21 | 89 | 71 | 83 | | | 00 | | | SW F | ✓ | | | |
| 22 | 88 | 72 | 76 | | | 00 | | | SW H | | ✓ | | |
| 23 | 77 | 59 | 68 | N | N | 06 | | | NE L | | ✓ | | |
| 24 | 69 | 52 | 63 | | | 00 | | | NE L | ✓ | | | |
| 25 | 74 | 44 | 66 | | | 00 | | | NE L | ✓ | | | |
| 26 | 81 | 53 | 75 | | | 00 | | | NE L | ✓ | | | |
| 27 | 83 | 57 | 70 | 430 | 5 10 | 01 | | | SE | | ✓ | | |
| 28 | 79 | 67 | 76 | 6 | 9 | 08 | | | SE L | | ✓ | | |
| 29 | 76 | 64 | 73 | | | 00 | | | NE L | | ✓ | | |
| 30 | 85 | 59 | 78 | | | 00 | | | NE L | ✓ | | | |
| 31 | 86 | 61 | 79 | | | 00 | | | NE L | ✓ | | | |
| 1 ST. | [1] 1940 | 1940 | | | | | | | | | | | |
| SUM | 802 | 593 | | | | 1.18 | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP. AND PRECIP. FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAT OF MEASUREMENT.

(IN TRIPLICATE)

Lucy M. Henderson
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS,
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/8 MI. OR MORE) 12-14-15-
DENSE (VIS. LESS THAN 1/8 MI.)

DEPTH OF FROZEN GROUND AT END OF MO. ____ INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM,
MEAN MINIMUM,
MEAN MONTHLY, DEPARTURE,
MAXIMUM, ; DATE,
MINIMUM, ; DATE,

### PRECIPITATION
TOTAL, INS. DEPARTURE,

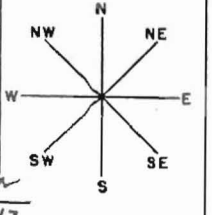
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| | | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:




STATION LEWISTON
MONTH AUG, 1942

W.B. FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE N.Y. TEMP. 6 PM
LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION
MONTH SEPT, 1942. MERIDIAN OF TIME E.S.T. PRECIP. 6 PM

| DATE | TEMPERATURE MAXIMUM | TEMPERATURE MINIMUM | TEMPERATURE [2] SET MAX. | PRECIPITATION TIME OF BEGINNING | PRECIPITATION TIME OF ENDING | PRECIPITATION [3] AMOUNT INCHES & HUNDREDTHS | PRECIPITATION SNOWFALL INCHES & TENTHS | PRECIPITATION SNOW ON GROUND AT OBSERVATION | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.) CLEAR (0–3) | P.CLDY. (4–7) | CLOUDY (8–10) | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 87 | 59 | 80 | | | 00 | | | SW L | ✓ | | | |
| 2 | 86 | 58 | 79 | | | 00 | | | SW L | ✓ | | | |
| 3 | 79 | 59 | 60 | N † ALL DAY | DRIZZLE | 06 | | | NE L | | | ✓ | |
| 4 | 74 | 53 | 67 | | | 00 | | | NW L | ✓ | | | |
| 5 | 76 | 51 | 67 | | | 00 | | | N L | | ✓ | | |
| 6 | 72 | 48 | 63 | | | 00 | | | N L | ✓ | | | |
| 7 | 83 | 45 | 76 | | | 00 | | | E L | ✓ | | | |
| 8 | 75 | 64 | 66 | 6AM ALL DAY | | 62 | | | E L | | | ✓ | |
| 9 | 82 | 62 | 80 | N | 10 | 55 | | | E | | ✓ | | |
| 10 | 80 | 66 | 67 | | | 00 | | | NE F | | | ✓ | |
| 11 | 77 | 61 | 73 | N | N | 01 | | | N L | ✓ | | | |
| 12 | 76 | 56 | 73 | | | 00 | | | SW | | | ✓ | |
| 13 | 76 | 50 | 68 | | | 00 | | | SW L | ✓ | | | |
| 14 | 79 | 62 | 76 | | | 00 | | | W L | | ✓ | | |
| 15 | 87 | 67 | 80 | | | 00 | | | SW L | ✓ | | | |
| 16 | 84 | 67 | 78 | 9P | 9 | 30 | | | SW L | | | ✓ | THUNDER |
| 17 | 88 | 69 | 81 | | | 00 | | | SW L | ✓ | | | |
| 18 | 88 | 67 | 80 | | | 00 | | | SW L | ✓ | | | |
| 19 | 85 | 68 | 75 | 4 | 5 | 31 | | | S L | | ✓ | | |
| 20 | 75 | 49 | 57 | N | N | 09 | | | N | | ✓ | | |
| 21 | 63 | 37 | 56 | | | 00 | | | E L | ✓ | | | |
| 22 | 67 | 45 | 46 | 12-30 | 1-30 | T | | | S L | | ✓ | | |
| 23 | 64 | 39 | 60 | | | 00 | | | NE L | | | ✓ | |
| 24 | 60 | 41 | 52 | N | 8 | 25 | | | SW H | | ✓ | | |
| 25 | 55 | 41 | 53 | | | 00 | | | NE L | | ✓ | | |
| 26 | 76 | 44 | 71 | N | N | 08 | | | SW F | | ✓ | | |
| 27 | 71 | 46 | 51 | N | 11 | 98 | | | SW R | | | ✓ | |
| 28 | 54 | 36 | 48 | | | 00 | | | NW F | ✓ | | | FROST |
| 29 | 62 | 31 | 54 | | | 00 | | | W L | ✓ | | | FROST |
| 30 | 62 | 38 | 58 | | | 00 | | | S L | | ✓ | | |
| 31 | | | | | | | | | | | | | |
| 1 ST. | 2742 | 1561 | | | | 3.25 | | | | 13 | 10 | 7 | |
| SUM | 78.1 | 52 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Lucy K Hargan
(COOPERATIVE OBSERVER)
Lewiston N.Y.
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 24
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST, 29
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/8 MI. OR MORE)
DENSE (VIS. LESS THAN 1/8 MI.)

DEPTH OF FROZEN GROUND AT END OF MO. ____ INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 78.1
MEAN MINIMUM, 52
MEAN MONTHLY, 65 DEPARTURE,
MAXIMUM, 88 ; DATE, 17-18
MINIMUM, 31 ; DATE, 29

### PRECIPITATION
TOTAL, 3.25 INS. DEPARTURE,

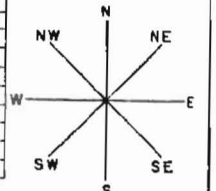
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| | | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:




STATION LEWISTON
MONTH SEP, 1942

OG

W.B. 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE N.Y. TEMP. 6 PM
LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION PRECIP. 6 PM
MONTH OCTOBER, 1942. MERIDIAN OF TIME ES

| DATE | TEMPERATURE 1 MAXIMUM | TEMPERATURE 1 MINIMUM | TEMPERATURE 2 SET MAX. | PRECIPITATION TIME OF BEGINNING | PRECIPITATION TIME OF ENDING | PRECIPITATION 3 AMOUNT INCHES & HUNDREDTHS | PRECIPITATION SNOWFALL INCHES & TENTHS | PRECIPITATION SNOW ON GROUND AT OBSERVATION TIME | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. OLD.) CLEAR (0–3) | PARTLY CLDY. (4–7) | CLOUDY (8–10) | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | 11 |
| 1 | 68 | 44 | 60 | | | 00 | | | E L | ✓ | | | FOG |
| 2 | 61 | 40 | 52 | | | 00 | | | E L | ✓ | | | |
| 3 | 71 | 42 | 63 | | | 00 | | | NE L | ✓ | | | |
| 4 | 67 | 55 | 61 | N | 11 | .23 | | | SW F | | | ✓ | |
| 5 | 70 | 54 | 57 | 4 | — | 05 | | | W F | | ✓ | | |
| 6 | 63 | 44 | 54 | N | N | 25 | | | S L | | ✓ | | |
| 7 | 70 | 47 | 56 | | | 00 | | | NW L | ✓ | | | |
| 8 | 73 | 44 | 70 | | | 00 | | | SW H | ✓ | | | |
| 9 | 70 | 55 | 59 | 9 | 10-30 | 04 | | | N | | | ✓ | |
| 10 | 62 | 38 | 54 | | | 00 | | | E L | ✓ | | | |
| 11 | 71 | 36 | 63 | | | 00 | | | NE L | ✓ | | | |
| 12 | 63 | 38 | 52 | | | 00 | | | E F | ✓ | | | |
| 13 | 67 | 36 | 56 | | | 00 | | | NE L | ✓ | | | |
| 14 | 58 | 45 | 55 | 11 | — | 06 | | | NE L | | | ✓ | |
| 15 | 63 | 52 | 56 | N | SHOWERS | 15 | | | E L | | | ✓ | |
| 16 | 57 | 50 | 53 | SHOWERS ALL DAY | | 79 | | | E L | | | ✓ | |
| 17 | 58 | 49 | 54 | N | N | 36 | | | E L | | | ✓ | |
| 18 | 65 | 45 | 56 | | | 00 | | | NW | ✓ | | | |
| 19 | 56 | 38 | 49 | | | 00 | | | NW L | | ✓ | | |
| 20 | 59 | 42 | 50 | | | 00 | | | NW V | ✓ | | | |
| 21 | 70 | 37 | 59 | 1 | 2 | 02 | | | SE | | ✓ | 1 | |
| 22 | 58 | 45 | 51 | N | N + | 12 | | | SW L | | | ✓ | |
| 23 | 52 | 41 | 45 | N | N | .30 | | | SW L | | | ✓ | |
| 24 | 56 | 37 | 49 | N | N | T | | | SW L | | ✓ | | |
| 25 | 58 | 36 | 54 | | | 00 | | | SW L | | | ✓ | |
| 26 | 54 | 37 | 39 | N | 9 | 34 | | | NW L | | | ✓ | |
| 27 | 44 | 30 | 41 | | | 00 | | | SW H | | | ✓ | |
| 28 | 56 | 34 | 46 | | | 00 | | | W F | ✓ | | | |
| 29 | 66 | 34 | 62 | | | 00 | | | SE L | | ✓ | | |
| 30 | 73 | 56 | 69 | | | 00 | | | SW F | | ✓ | | |
| 31 | 69 | 58 | 59 | SHOWERS | | 11 | | | SW L | | | ✓ | |
| 1 ST. | 1948 | 1336 | | | | 2.82 | | | | | | | |
| SUM | 628 | 430 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Rice B Hargrave
(COOPERATIVE OBSERVER)
Lewiston NY
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 8-27
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST, 27
THUNDERSTORMS, 1
FOG, LIGHT (VIS. 5/8 MI. OR MORE)
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 62.8
MEAN MINIMUM, 43.
MEAN MONTHLY, 52.9 DEPARTURE,
MAXIMUM, 73 ; DATE, 7+30
MINIMUM, 30 ; DATE, 27

### PRECIPITATION
TOTAL, 2.82 INS. DEPARTURE,

GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| 79 | 16 | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:

N NW NE W E SW SE S

STATION LEWISTON
MONTH OCT, 1942

REDUCED AT THE NATIONAL ARCHIVES

W.B. 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 5PM
LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION PRECIP. 5PM
MONTH NOV, 1942. MERIDIAN OF TIME ES, WS.

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 MAXIMUM | 2 MINIMUM | 3 SET MAX. | 4 TIME OF BEGINNING | 5 TIME OF ENDING | 6 AMOUNT INCHES & HUNDREDTHS | 7 SNOWFALL INCHES & TENTHS | 8 SNOW ON GROUND AT OBSERVATION | 9 | CLEAR (0–3) | PARTLY (4–7) | CLOUDY (8–10) | 11 |
| 1 | 59 | 44 | 46 | N | N | 1.00 | | | SW L | ✓ | | ✓ | |
| 2 | 52 | 39 | 46 | N SNOW | ERS N | 25 | | | W L | | | ✓ | |
| 3 | 50 | 32 | 40 | | | 00 | | | NW L | | ✓ | | |
| 4 | 48 | 30 | 36 | | | 00 | | | SE L | | ✓ | | |
| 5 | 53 | 30 | 53 | | | 00 | | | SW L | | ✓ | | |
| 6 | 54 | 44 | 45 | N | 8 | 07 | | | NW L | ✓ | | | |
| 7 | 50 | 30 | 43 | | | 00 | | | NE L | ✓ | | | |
| 8 | 50 | 33 | 43 | | | 00 | | | SW L | ✓ | | | |
| 9 | 57 | 30 | 55 | | | 00 | | | SE L | ✓ | | | |
| 10 | 63 | 42 | 43 | N | N | 47 | | | NW H | | | ✓ | |
| 11 | 43 | 33 | 34 | N MELTED | AM FELL | 03 | | | NW F | | | ✓ | FIRST SNOW |
| 12 | 37 | 30 | 36 | N ALL | DAY | 05 | | | SE F | | | ✓ | |
| 13 | 45 | 28 | 29 | N | N | 17 | | | NW G | | ✓ | | HIGH WIND |
| 14 | 31 | 21 | 27 | N | N | 02 | T | T | NW F | | ✓ | | |
| 15 | 53 | 19 | 53 | | | 00 | | | SW F | ✓ | | | |
| 16 | 62 | 49 | 59 | | | 00 | | | SW F | ✓ | | | |
| 17 | 61 | 53 | 54 | 3 | — | 15 | | | SW F | | | ✓ | |
| 18 | 60 | 41 | 53 | N | N | 08 | | | SW L | ✓ | | | |
| 19 | 60 | 33 | 58 | | | 00 | | | E L | | ✓ | | |
| 20 | 64 | 52 | 55 | 3 | — | 14 | | | SW L | | | ✓ | |
| 21 | 55 | 33 | 34 | N | N | 1.16 | | | NE L | | | ✓ | |
| 22 | 38 | 29 | 31 | | | 00 | | | N L | ✓ | | | |
| 23 | 42 | 21 | 39 | | | 06 | | | NE L | | ✓ | | |
| 24 | 45 | 35 | 46 | N | — | 33 | | | NE L | | | ✓ | |
| 25 | 48 | 41 | 46 | N | SHOWERS | .10 | | | NE L | | | ✓ | |
| 26 | 50 | 37 | 40 | 11 | 12 | T | | | SW L | | ✓ | | |
| 27 | 40 | 29 | 30 | | | 00 | | | W F | | ✓ | | |
| 28 | 35 | 23 | 31 | | | 00 | | | NW L | | ✓ | | |
| 29 | 37 | 28 | 34 | N | ALL DAY | .16 | 2 | 2 | NE L | | | ✓ | |
| 30 | 37 | 17 | 31 | | | 00 | 0 | T | NW L | ✓ | | | |
| 31 | | | | | | | | | | | | | |
| 1 ST. | 1478 | 1021 | | | | 14.15 | | | | | | | |
| SUM | 492 | 34.0 | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP. AND PRECIP. FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Leroy M. Hargreaves
(COOPERATIVE OBSERVER)
Lewiston N.Y.
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF—
HIGH WINDS, 13
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/16 MI. OR MORE)
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. 1" INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 49.2
MEAN MINIMUM, 34
MEAN MONTHLY, 41.6 DEPARTURE,
MAXIMUM, 64 ; DATE, 19
MINIMUM, 19 ; DATE, 15

### PRECIPITATION
TOTAL, 4.15 INS. DEPARTURE,

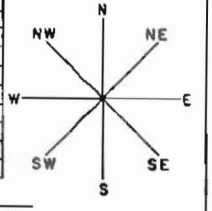
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| | | | |

### SNOW
TOTAL SNOWFALL, INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:




STATION Lewiston
MONTH Nov., 1942

W.B. 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE N.Y. TEMP. 6 PM
LATITUDE 43.10. LONGITUDE 7903. ELEVATION 323. HOUR OF OBSERVATION
MONTH DEC, 1943. MERIDIAN OF TIME EST PRECIP. 6 PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVG. CLD.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | 8 SET MAX. | TIME OF BEGINNING | TIME OF ENDING | AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0—3) | P. CLDY. (4—7) | CLOUDY (8—10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | | 11 |
| 1 | 41 | 26 | 41 | N-E | E | .10 | 0 0 | 0 0 | SE L | | | ✓ | |
| 2 | 41 | 20 | 22 | N | N | 29 | T | T | NW G | | | ✓ | HIGH WIND BAR 28.26 |
| 3 | 31 | 19 | 25 | | | 00 | 00 | 0 | NW G | | ✓ | | HIGH WIND |
| 4 | 30 | 20 | 28 | | | 00 | 00 | T | NW H | | ✓ | | HIGH WIND |
| 5 | 33 | 26 | 30 | | | 00 | 00 | 00 | SW R | | ✓ | | |
| 6 | 34 | 27 | 32 | | | 00 | 00 | 00 | W F | | ✓ | | |
| 7 | 32 | 26 | 28 | | | 00 | 00 | 00 | NW L | | ✓ | | |
| 8 | 36 | 19 | 30 | | | .00 | 00 | 00 | E L | ✓ | | | |
| 9 | 39 | 20 | 34 | | | .00 | 00 | 00 | N L | ✓ | | | |
| 10 | 35 | 28 | 34 | 5 | — | T | T | T | E L | | | ✓ | |
| 11 | 38 | 32 | 34 | N | M | T | 0 | 0 | S L | ✓ | | | |
| 12 | 36 | 22 | 24 | N | N | .06 | T | T | W L | | ✓ | | |
| 13 | 24 | 17 | 18 | N | 11 | T | T | T | NW F | | ✓ | | |
| 14 | 29 | 14 | 26 | | | T | T | T | W H | | | ✓ | |
| 15 | 32 | 25 | 29 | 3 | — | T | T | T | SW L | | | ✓ | |
| 16 | 29 | 10 | 11 | N | 10 | .11 | 1½ | 1½ | N F | | ✓ | | |
| 17 | 26 | 8 | 25 | N ALL DAY | N | .06 | 1 | 2½ | E L | | | ✓ | EDDY FROZEN |
| 18 | 25 | 18 | 19 | N ALL DAY | N | .16 | 5 | 7 | NE L | | | ✓ | EDDY OPEN |
| 19 | 20 | 8 | 9 | N ALL DAY | —3 | .15 | 3½ | 7 | NW L | | ✓ | | |
| 20 | 9 | -6 | +5 | N | N | T | ½ | 6 | NW L | ✓ | | | EDDY FROZEN LIGHT ICE |
| 21 | 25 | 0 | 22 | | | 00 | 00 | 5 | SW L | | ✓ | | VERY " " |
| 22 | 37 | 19 | 39 | LIGHT SNOW ALL | | 04 | 00 | 3 | SW L | | | ✓ | VERY " " |
| 23 | 38 | 33 | 36 | 10 | 11 | 02 | 02 | 2½ | SW L | | | ✓ | VERY " " |
| 24 | 36 | 33 | 36 | | | 00 | 00 | 2 | SW L | | | ✓ | NO ICE |
| 25 | 38 | 26 | 33 | | | 00 | 00 | T | E L | | ✓ | | FOG AM NO ICE |
| 26 | 33 | 19 | 27 | | | .00 | 00 | 00 | NE F | | | ✓ | NO " |
| 27 | 41 | 25 | 42 | | | T | 00 | 00 | SE L | | | ✓ | VERY LIGHT ICE |
| 28 | 42 | 31 | 32 | N ALL DAY | | 1.22 | 00 | 00 | E F | | | ✓ | NO ICE |
| 29 | 36 | 30 | 37 | ALL DAY | | .27 | 00 | 00 | E L | | | ✓ | FOG AM NO ICE |
| 30 | 37 | 30 | 31 | ALL DAY | | .41 | 4 | 4 | SW | | | ✓ | NO " |
| 31 | 31 | 23 | 26 | N | 6 PM | .18 | T | 4½ | SW L | | ✓ | | NO ICE |
| 1 ST. SUM | 1013 | 647 | | | | 4.07 | .6" | | | 4 | 12 | 15 | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TEMP. AND PRECIP. FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Bert K. Morgan
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 2-3-4
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/8 MI. OR MORE) 25 — 29
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. 0 INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 32.6
MEAN MINIMUM, 20.8
MEAN MONTHLY, 26.7 DEPARTURE,
MAXIMUM, 42 ; DATE, 28
MINIMUM, -6 ; DATE, 20

### PRECIPITATION
TOTAL, 4.07 INS. DEPARTURE,

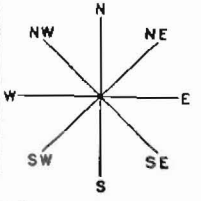
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| 1.41 | 30 | | |

### SNOW
TOTAL SNOWFALL, 16 INCHES
GREATEST IN ANY OBSERVATIONAL DAY 5"
DATE 18

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:
UNDER REMARKS I HAVE NOTE ICE CONDITIONS IN THE NIAGARA RIVER AT THIS POINT




STATION LEWISTON
MONTH DEC, 1943

REPRODUCED AT THE NATIONAL ARCHIVES

W.B FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

## COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6 PM

LATITUDE 43.10. LONGITUDE 79.03. ELEVATION 323. HOUR OF OBSERVATION

MONTH JAN, 1943. MERIDIAN OF TIME EST. PRECIP. 6 PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. O.B.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | SET MAX. | TIME OF BEGINNING | TIME OF ENDING | AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0—3) | P. CLDY. (4—7) | CLOUDY (8—10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | | 11 |
| 1 | [illegible] | | | | | T | 00 | 4 | NW L | | L | | [illegible] |
| 2 | 31 | 16 | 30 | | 1 | 08 | 2½ | 6 | N | | | L | |
| 3 | 30 | 12 | 30 | | | 00 | 00 | 4 | E | | | L | [illegible] |
| 4 | 23 | 11 | 20 | 8 | 3 | 02 | 1/2 | 15 | NE L | | | L | |
| 5 | 24 | 13 | 17 | 1 | 2 | 03 | 1 | 10 | SW F | | | L | LIGHT ICE |
| 6 | 28 | 15 | 22 | | | 00 | 00 | 10 | W L | L | | | |
| 7 | 25 | 15 | 17 | | | 00 | 00 | 9 | N | L | | | |
| 8 | 27 | 1 | 17 | | | T | T | 9 | N | L | | | |
| 9 | 22 | -9 | 19 | | | 00 | 00 | 5 | N | L | | | |
| 10 | 32 | 13 | 30 | | | 00 | 00 | 7 | NE L | | | L | [illegible] |
| 11 | 23 | [illegible] | 23 | | | 2 | T | 6? | SW F | | | L | [illegible] LIGHT |
| 12 | 3[illegible] | 21 | 22 | 1 | 3 | 03 | 1 | 6[illegible] | [illegible] | | L | | HEAVY [illegible] |
| 13 | 27 | 14 | 23 | 1 | 2 | — | T | [illegible] | SW L | | L | | LIGHT ICE |
| 14 | 33 | 16 | 34 | [illegible] ALL DAY | | 02 | 1 | 7? | W H | | | L | [illegible] |
| 15 | 26 | 23 | 24 | | | 01 | 00 | 7 | [illegible] | | L | | [illegible] |
| 16 | 22 | 19 | 29 | V | V | 17 | 1 | 7 | NE L | | | L | |
| 17 | 29 | 22 | 23 | | | 00 | 00 | 7 | NE L | | — | | NO ICE |
| 18 | 25 | 20 | 25 | N ALL DAY | | 19 | 1 | 7 | NE L | | | L | [illegible] |
| 19 | 30 | 16 | 17 | SNOW SQUALLS | | 14 | 1 | 8 | W H | | L | | HIGH WIND LIGHT ICE |
| 20 | 16 | 3 | 13 | | | 00 | 00 | 9 | NW H | L | | | HIGH WIND HEAVY ICE |
| 21 | 13 | 3 | 4 | ALL DAY | | 09 | 2 | 9 | E F | | | L | MED ICE |
| 22 | 11 | 2 | 16 | | | 00 | 00 | 9 | E E | L | | | " " |
| 23 | 30 | 5 | 30 | | | 00 | 00 | 8 | SW L | | | L | LIGHT ICE |
| 24 | 34 | 23 | 32 | | | 00 | 00 | 8 | E L | | | L | VERY LIGHT ICE |
| 25 | 43 | 30 | 35 | | | 00 | 00 | 7 | SW L | | | L | " " " |
| 26 | 35 | 17 | 23 | | | 00 | 00 | 6 | SW L | | | L | " " " |
| 27 | 29 | 16 | 32 | | | 00 | 00 | 7 | NE L | L | | | NO ICE |
| 28 | 27 | 14 | 26 | | | 00 | 00 | 7 | NE F | | L | | VERY LIGHT ICE |
| 29 | 29 | 7 | 27 | | | 00 | 00 | 7 | E L | ✓ | | | " " " |
| 30 | 36 | 23 | 35 | J | — | 01 | T | 7 | SW L | | | L | MELTED SLEET " " " |
| 31 | 38 | 33 | 35 | N | N | T | 0 | 6 | SW L | | | L | NO ICE |
| TOT. | 894 | 459 | | | | 1.34 | 23 | | | 8 | 7 | 16 | |
| AVG. | | | | | | | | | | | | | |

SEE COVER FOR INSTRUCTIONS

1 ENTER TIME AND FIGURE FOR 1 ST. DAY OF FOLLOWING MONTH WHERE COOL IS BURNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, SNOW, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

(IN TRIPLICATE)

Lucy R. Ottersen
(COOPERATIVE OBSERVER)
Lewiston
(P.O. ADDRESS)

## MONTHLY SUMMARY

(TO BE FILLED IN BY OBSERVER)

DATES OF –

HIGH WINDS, 11-14-15-19-20

GLAZE, (FREEZING RAIN)

SLEET, (SMALL ICE PELLETS)

HAIL,

KILLING FROST,

THUNDERSTORMS,

FOG, LIGHT (VIS. 5/8 MI. OR MORE)

DENSE (VIS. LESS THAN 1/8 MI.)

DEPTH OF FROZEN GROUND AT END OF MO. ____ INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE

MEAN MAXIMUM, 28.8

MEAN MINIMUM, 14.8

MEAN MONTHLY, 21.8 DEPARTURE,

MAXIMUM, 43 ; DATE, 25

MINIMUM, -9 ; DATE, 9

### PRECIPITATION

TOTAL, 1.34 INS. DEPARTURE,

GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| | | | |

### SNOW

TOTAL SNOWFALL, 23 INCHES

GREATEST IN ANY OBSERVATIONAL DAY, 12"

DATE 4

### NUMBER OF DAYS

MAX. TEMP. 90° OR ABOVE,

MAX. TEMP. 32° OR BELOW,

MIN. TEMP. 32° OR BELOW,

MIN. TEMP. 0° OR BELOW,

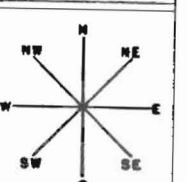
WITH 0.01 INCH OR MORE PRECIP,

0.25 INCH OR MORE, ; 1.00 INCH OR MORE,

CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:

UNDER ALSC, I HAVE NOTED ICE CONDITIONS IN THE NIAGARA RIVER AT THIS POINT




STATION LEWISTON

MONTH JAN, 1943

W... FORM 1009

# U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
## CO...PERATIVE OBSERVERS' METEOROLOGICAL RECORD

STATION LEWISTON, COUNTY NIAGARA, STATE NY. TEMP. 6 PM
LATITUDE 43 10. LONGITUDE 79.03. ELEVATION 322. HOUR OF OBSERVATION
MONTH FEB, 1943. MERIDIAN OF TIME EST. PRECIP. 6 PM

| DATE | TEMPERATURE | | | PRECIPITATION | | | | | PREVAILING WIND DIRECTION FOR THE DAY | CHARACTER OF DAY SUNRISE TO SUNSET (AVE. CLD.) | | | MISCELLANEOUS PHENOMENA INCLUDING CHARACTER OF PRECIPITATION, AS RAIN, DRIZZLE, SNOW, SLEET, HAIL, THUNDERSTORMS, ETC. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAXIMUM | MINIMUM | [2] SET MAX. | TIME OF BEGINNING | TIME OF ENDING | [3] AMOUNT INCHES & HUNDREDTHS | SNOWFALL INCHES & TENTHS | SNOW ON GROUND AT OBSERVATION | | CLEAR (0–3) | P. CLDY. (4–7) | CLOUDY (8–10) | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | | 11 |
| 1 | 39 | 25 | 26 | N | N | .25 | 0.6 | 5 | SW N | | L | | MED RN |
| 2 | 39 | 19 | 26 | | | 00 | 0.0 | 4 | SW L | L | | | " " |
| 3 | 32 | 12 | 32 | | | 00 | 0.0 | 4 | NE L | | | L | LIGHT " |
| 4 | 45 | 31 | 41 | N | E | 09 | 0. | 3 | SW F | | L | | " " |
| 5 | 43 | 32 | 40 | | | 00 | 0.0 | 2 | NW L | L | | | NO " |
| 6 | 43 | 32 | 37 | N ALL DAY | | 18 | 0.0 | T | SW F | | | L | " " |
| 7 | 37 | 28 | 31 | N [illegible] N | | 02 | 1 | 1½ | NW H | | | L | [illegible] " " |
| 8 | 33 | 27 | 32 | | | 00 | 0.0 | 1 | NW F | | L | | " |
| 9 | 32 | 16 | 30 | | | 00 | 0.0 | 1 | NE L | L | | | " " |
| 10 | 49 | 21 | 43 | [illegible] | [illegible] | 14 | 08 | T | NE L | | | L | " " |
| 11 | 46 | 21 | 23 | SNOW [illegible] | [illegible] | 30 | T | 1 | SW F | | L | | " " |
| 12 | 27 | 12 | 25 | 9 | — | 03 | 1 | 1 | NW L | | | L | RAIN " |
| 13 | 25 | 13 | 22 | 1 | — | 17 | 3 | 3 | NW L | | | L | LIGHT " |
| 14 | 12 | -1 | 0 | N | — | 18 | 4 | 6 | NW F | | L | | RAIN " |
| 15 | 5 | -11½ | 5 | N | N | 05 | 1 | 5 | NW L | L | | | " " |
| 16 | 22 | 3 | 17 | | | 00 | 00 | 5 | SW F | | L | | " " |
| 17 | 27 | 17 | 18 | | | 00 | 0.0 | 4½ | NW L | | L | | " " |
| 18 | 26 | 2 | 27 | | | 00 | 00 | 4 | SW F | | L | | " " |
| 19 | 46 | 25 | 46 | | | 00 | 00 | T | SW L | L | | | NO " |
| 20 | 47 | 42 | 44 | 130 | 3 | 13 | 0.0 | 00 | SW F | | | L | " " |
| 21 | 44 | 29 | 40 | | | 00 | 00 | 00 | SW L | | L | | " " |
| 22 | 49 | 27 | 46 | | | 00 | 00 | 00 | SW L | L | | | " " |
| 23 | 57 | 34 | 55 | | | 00 | 00 | 0 | SW F | | | L | " " |
| 24 | 55 | 31 | 33 | | | 2.9 | 0.0 | 0.0 | N L | | L | | " " |
| 25 | 31 | 16 | 20 | | | 00 | 00 | 00 | NE L | L | | | " " |
| 26 | 33 | 15 | 32 | | | 02 | ½ | ½ | NE L | | | L | LIGHT " |
| 27 | 32 | 22 | 29 | N | " | 02 | T | T | SW F | | | L | NO " |
| 28 | 38 | 26 | 29 | T. SNOW [illegible] | | 01 | 0.0 | 00 | SW H | | L | | HIGH WIND LIGHT " |
| 29 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | |
| 1 ST. | 1028 | 566 | | | | [1] | | | | | | | |
| SUM | 36.7 | 20.2 | | | | 1.87 | | | | 7 | 11 | 10 | |

1 ENTER TEMP AND PRECIP FOR 1 ST. DAY OF FOLLOWING MO. WHERE OBS. IN MORNING ONLY
2 READING OF MAX. THERMOMETER IMMEDIATELY AFTER SETTING.
3 INCLUDING RAIN, HAIL, SLEET AND MELTED SNOW ON DAY OF MEASUREMENT.

SEE COVER FOR INSTRUCTIONS

(IN TRIPLICATE)

[signature] (COOPERATIVE OBSERVER)

Lewiston (P.O. ADDRESS)

## MONTH SUMMARY
(TO BE FILLED IN BY OBSERVER)

DATES OF –
HIGH WINDS, 1 — 28
GLAZE, (FREEZING RAIN)
SLEET, (SMALL ICE PELLETS)
HAIL,
KILLING FROST,
THUNDERSTORMS,
FOG, LIGHT (VIS. 5/8 MI. OR MORE)
DENSE (VIS. LESS THAN 1/8 MI.)
DEPTH OF FROZEN GROUND AT END OF MO. ____ INS.

(NOT TO BE FILLED IN BY OBSERVER)

### TEMPERATURE
MEAN MAXIMUM, 36.7
MEAN MINIMUM, 20.2
MEAN MONTHLY, [illegible] DEPARTURE,
MAXIMUM, 59 ; DATE, 23
MINIMUM, [illegible] ; DATE, [illegible]

### PRECIPITATION
TOTAL, 1.87 INS. DEPARTURE,

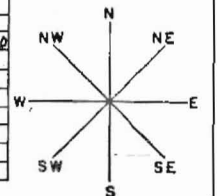
GREATEST AMOUNT

| IN ANY OBSERVATIONAL DAY | | COMPUTED FOR 24-HOUR PERIOD | |
|---|---|---|---|
| AMOUNT | DATE | AMOUNT | DATE |
| | | | |

### SNOW
TOTAL SNOWFALL, 10.2 INCHES
GREATEST IN ANY OBSERVATIONAL DAY
DATE

### NUMBER OF DAYS
MAX. TEMP. 90° OR ABOVE,
MAX. TEMP. 32° OR BELOW,
MIN. TEMP. 32° OR BELOW,
MIN. TEMP. 0° OR BELOW,
WITH 0.01 INCH OR MORE PRECIP,
0.25 INCH OR MORE, ; 1.00 INCH OR MORE,
CLEAR, PARTLY CLOUDY, CLOUDY,

REMARKS BY OBSERVER:
UNDER 2 SEC. I HAVE NOTED ICE CONDITIONS IN THE NIAGARA RIVER AT THIS POINT




STATION LEWISTON
MONTH FEB, 1943

00