

END OF DOCK

DOUGLAS COUNTY PROPERTY

CITY OF SUPERIOR PROPERTY  
WL. 603.24 U.S.G.S DATUM  
SEPTEMBER 20, 1947

Contractor to install 20' roadway from N. ROW Line

EXISTING OUTLET HEADWALL  
INV. EL. 600.39

INV. EL. 599.14

SCALE HOUSE

R.R. ROW

NOTE: CONTRACTOR TO CONNECT EXISTING BOX SEWER TO NEW BY-PASS STRUCTURE

EXISTING 24" R.C.P. BOX SEWER

24" R.C.P. SEWER LINE TO BE INSTALLED UNDER CONTRACT

INV. EL. 600.61

EXISTING MANHOLE

24" R.C. PIPE IN PLACE NOT IN USE AT PRESENT  
INV. EL. 599.85

SCALE: 1" = 100'



PLAN & PROFILE OF NEW 24" R.C.P.

EXISTING 4'-0" X 5'-6" SEWER NOW IN USE

2 ND ST.

AVE. C

EXISTING 27" R.C.P. AVE. D

AVE. E

3rd St

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH DIVISION  
These Plans and Specifications submitted in connection with an Application for a permit under the Federal Water Pollution Control Act (33 USC 402) and the regulations promulgated thereunder have been reviewed.  
(Reviewing Engineer) (Date)  
and are hereby APPROVED  
(Regional Engineer) (Date)  
Region V, Chicago, Illinois

EXAMINED and reported upon by the Section on Environmental Sanitation  
O. J. MUEGGE  
State Sanitary Engineer  
APPROVED by the State Board of Health, as required by Wisconsin Statutes, subject to conditions set forth in the letter of approval  
JUL 6 1956  
CARL N. NEUBERT, M. D.  
State Health Officer  
Verification *[Signature]*

REVISIONS table with columns: DATE, DESCRIPTION, BY

WATERFRONT AT DISPOSAL SITE  
SUPERIOR, WIS.

HITCHCOCK & ESTABROOK, INC.  
CONSULTING ENGINEERS  
311 SEXTON BLDG.  
MINNEAPOLIS 15, MINN.

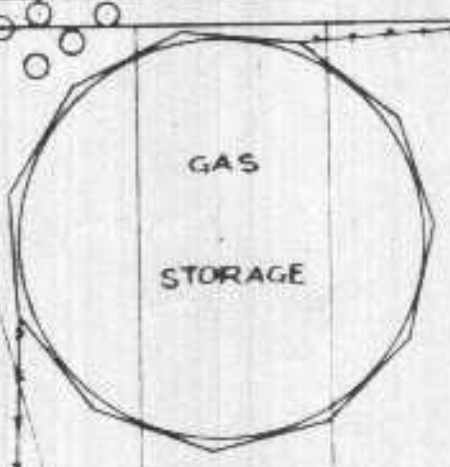
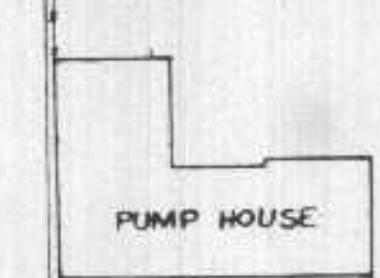
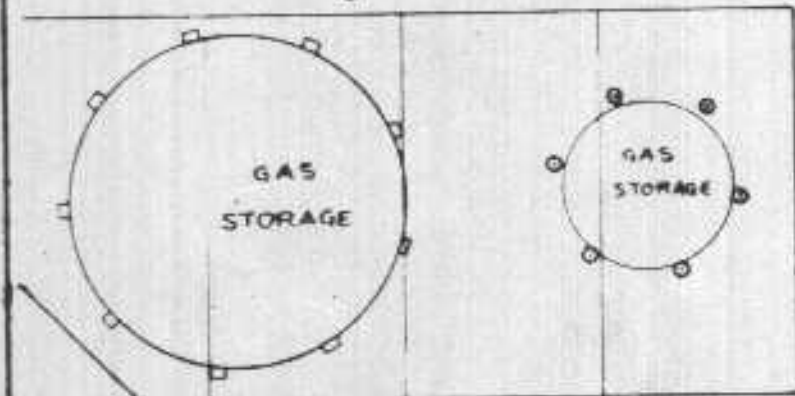
DR. TR. C.H.U. CHU  
CHKD. APPD. JBE JBE  
DATE 9/17/48 SCALE 1"=50'

B.M. PROPERTY OF CITY OF SUPERIOR  
PERMANENT BENCH MARK  
ELEVATION 614.372  
U.S.C. & G.S. 360  
1929

1st St

WINTER ST

HILL AVE



PUMP HOUSE

GAS STORAGE

GAS STORAGE

GAS STORAGE

H

H

H

H

H

H

H

H

H

H

SMB

SHD

GAR

GAR

SHD

GAR

H

H

H

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

SHD

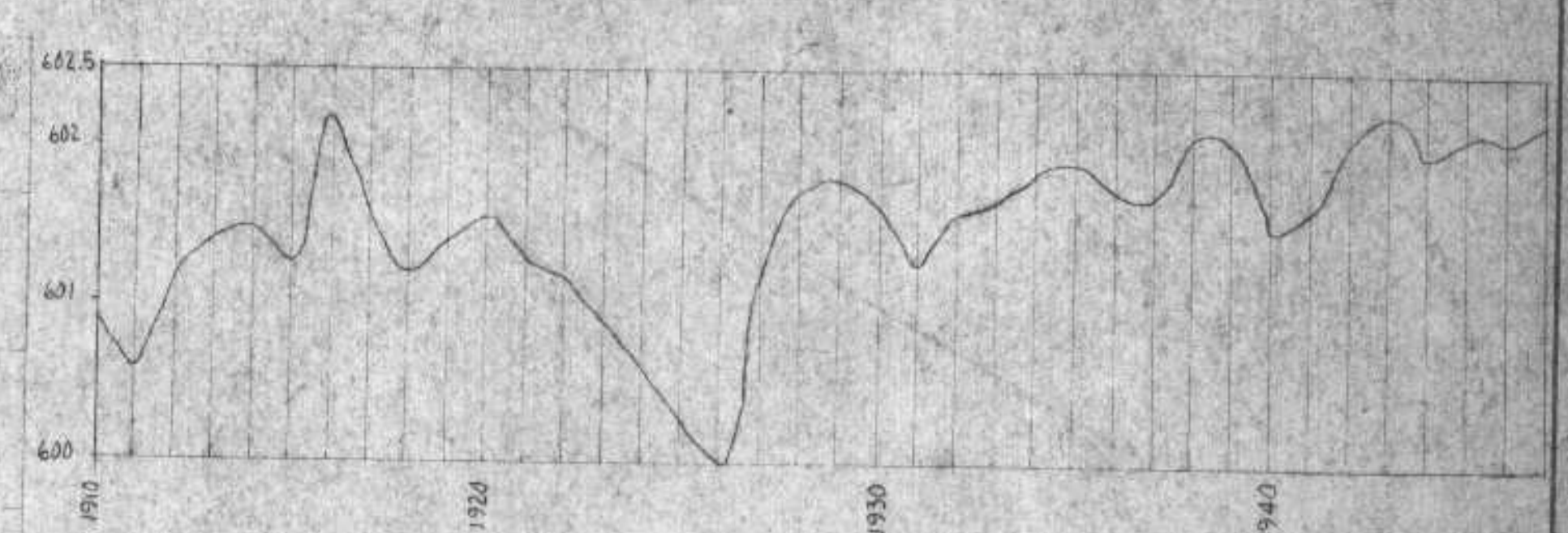
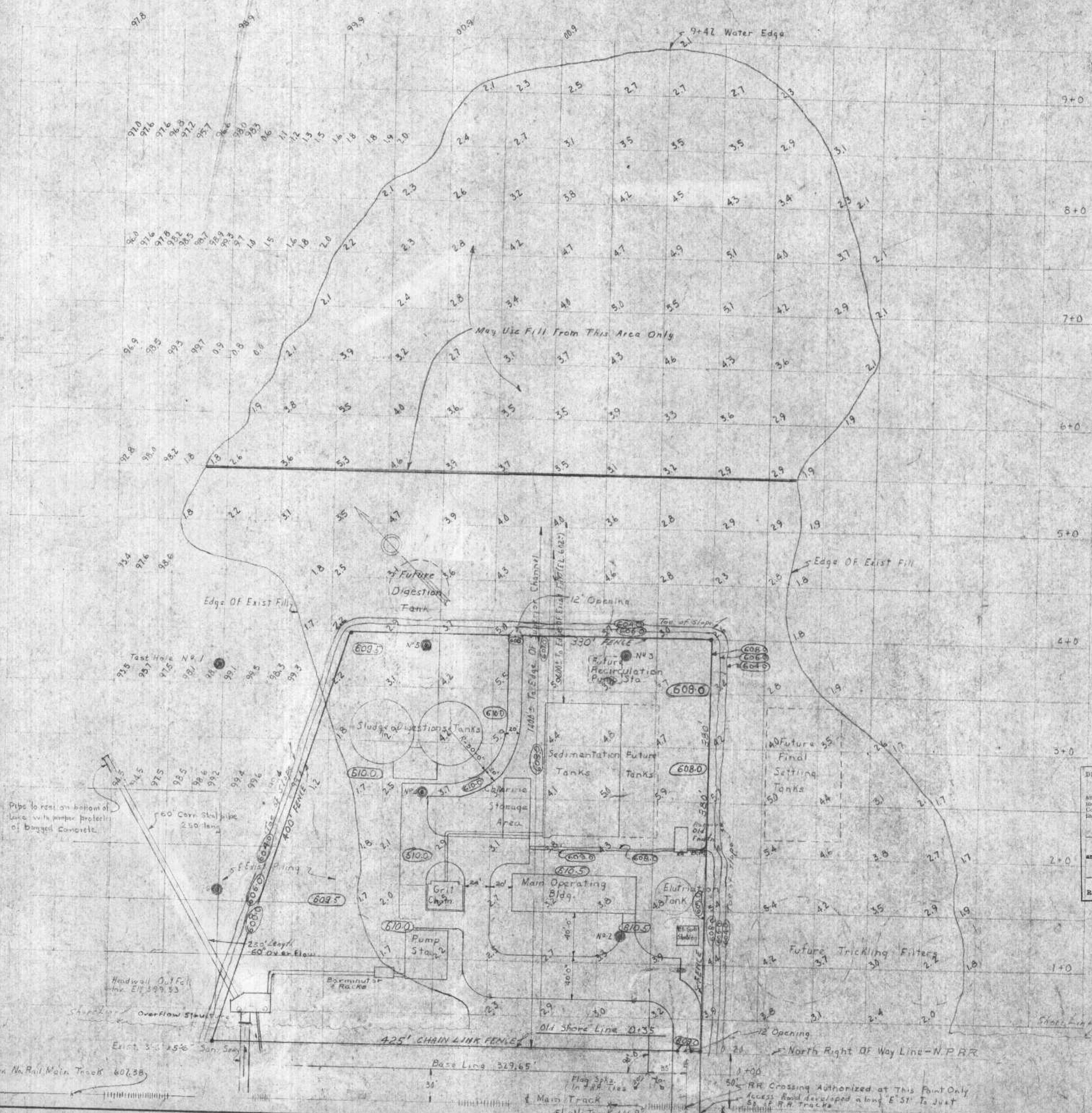
SHD

SHD

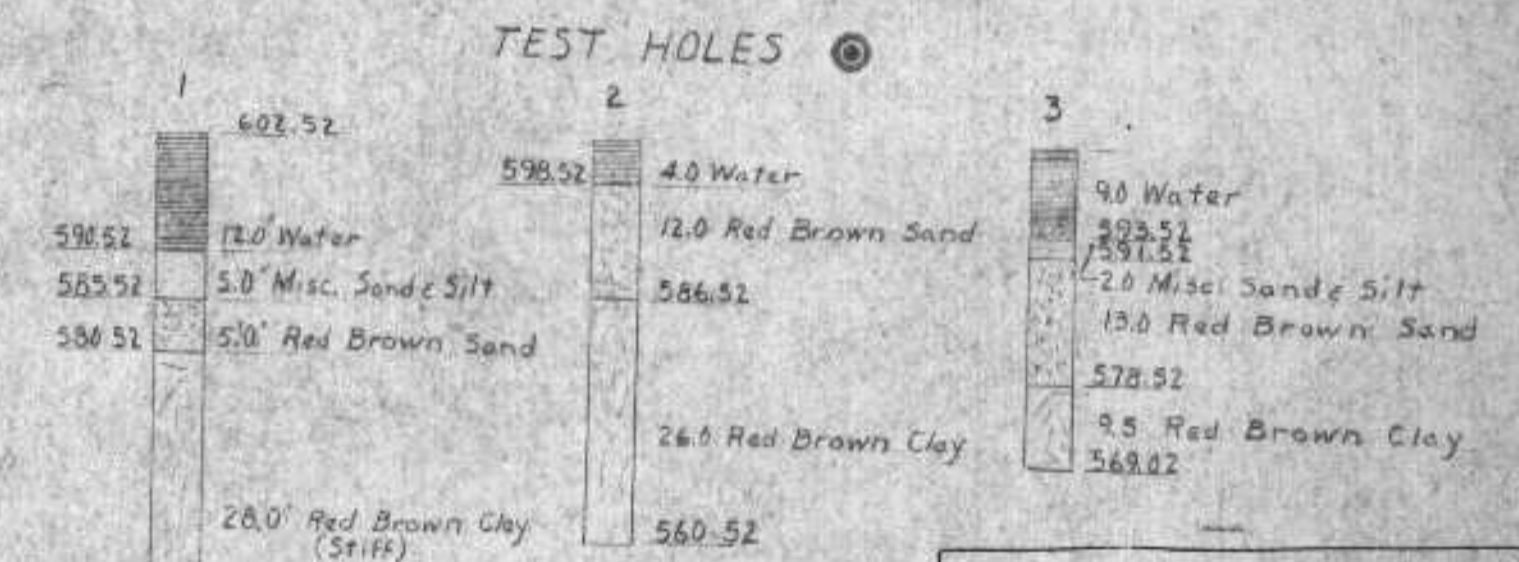
SHD

SHD

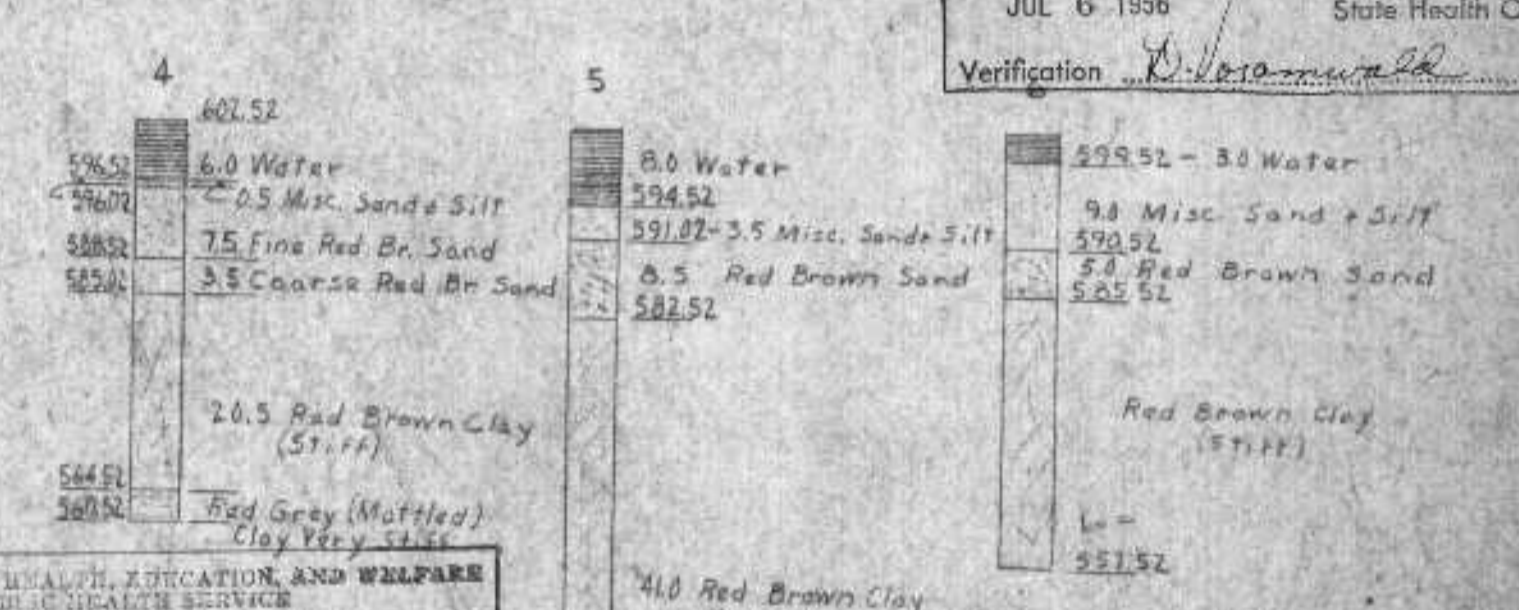
SHD



Note:  
 Highest Recorded Reading Nov. 25, 1905 - 604.40  
 Lowest Recorded Reading Feb. 16, 1921 - 598.85  
**MEAN YEARLY READING  
 WATER LEVEL OF LAKE SUPERIOR**



EXAMINED and reported upon by the Section on Environmental Sanitation  
 O. J. MUEGGE  
 State Sanitary Engineer  
 APPROVED by the State Board of Health, as required by Wisconsin Statutes, subject to conditions set forth in the letter of approval  
 CARL N. NEUBERT, M.D.  
 State Health Officer  
 JUL 6 1958  
 Verification: *[Signature]*



DEPARTMENT OF HEALTH, EDUCATION AND WELFARE  
 PUBLIC HEALTH SERVICE  
 These Plans and Specifications were checked in connection with an application for a permit under the provisions of Wisconsin Statutes, Chapter 101, and the provisions of the National Sanitation Code, and the same are approved for the registration of the same. The undersigned hereby certifies that the same have been reviewed.  
 (Revising approved) (Initial)  
 and are herewith approved  
 (Regional Engineer) (Initial)  
 Region V, Chicago, Illinois

LEGEND -  
 Existing Elevation 604.0 = 4.0  
 Established Grade 610.5

NOTE:  
 Piles shall be set not more than 10' C.C.  
 Finished grade shall slope from building to drain.  
 Fill of water cage shall be sloped 3 to 1 or greater.

**BOILING LOG** [see Specs. page C-8]

DATE	DESCRIPTION	BY
6/10/58	As per specs. - changed 1-6-8	J. D.
6/10/58	Check the office and	J. P.
6/10/58	NOTE: SEE SOURCE REPORT M.E. 873	C.W.

**GRADING AND FENCING PLAN**

**SUPERIOR WISE**

**HITCHCOCK & ESTABROOK, INC.**  
 CONSULTING ENGINEERS  
 300 LINCOLN BLDG.  
 MINNEAPOLIS 1, MINN.

DR. TR. J.L.  
 CHRD. APPD. J.P.

DATE 7/2/58 SCALE 1" = 50'

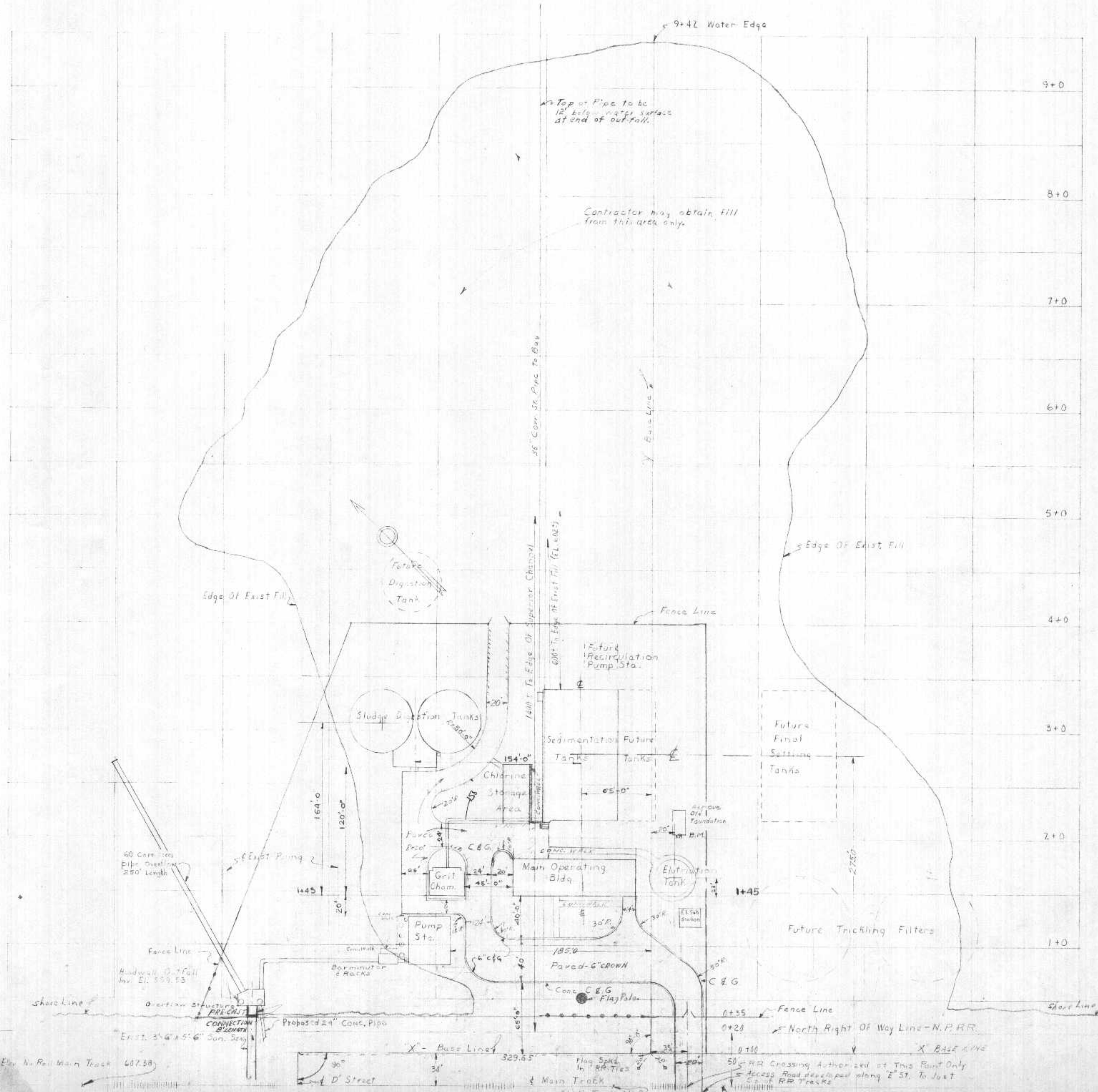
JOB NO. 602  
 SHEET NO. 12 OF 71

15.0 x 6.5 Bench Mark  
 Hill Ave. - Winter St. 44.372  
 B.M. on End Old Machine  
 Foundation - Sta. 240 - 607.98

Elon No. Rail Main Track 607.38

Base Line 329.65

50' RR Crossing Authorized at This Point Only  
 Access Road developed along E.S.P. to Just  
 S. of RR Tracks  
 E.L. No. Track 616.9  
 E.L. No. Track 616.0



U.S.G. + 65 Bench Mark  
 Hill Ave + Winter St. 414.372  
 B.M. To End Old Machine  
 Foundation - Sta 2+0 407.98

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
 PUBLIC HEALTH SERVICE

These Plans and Specifications submitted in connection with an application for a Permit to construct or reconstruction of treatment works under the provisions of the Federal Water Pollution Control Act (PL 85-624) and the regulations promulgated thereunder have been reviewed.

(Reviewing Engineer) \_\_\_\_\_ (Date) \_\_\_\_\_  
 and are herewith APPROVED

(Regional Engineer) \_\_\_\_\_ (Date) \_\_\_\_\_  
 Region V, Chicago, Illinois

EXAMINED and reported upon by the Section on Environmental Sanitation

O. J. MUEGGE  
 State Sanitary Engineer

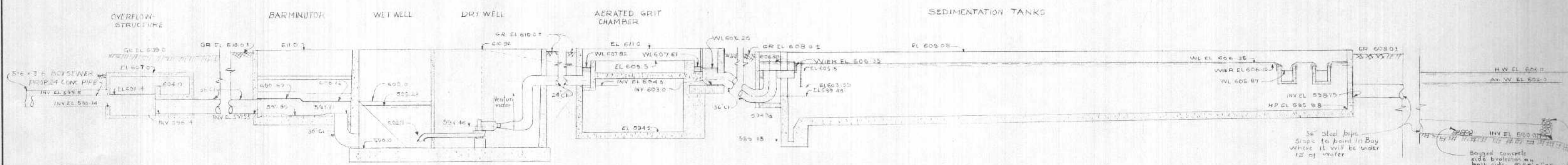
APPROVED by the State Board of Health, as required by Wisconsin Statutes, subject to conditions set forth in the letter of approval

JUL 6 1956 CARL M. NEUPERT, M. D.  
 State Health Officer

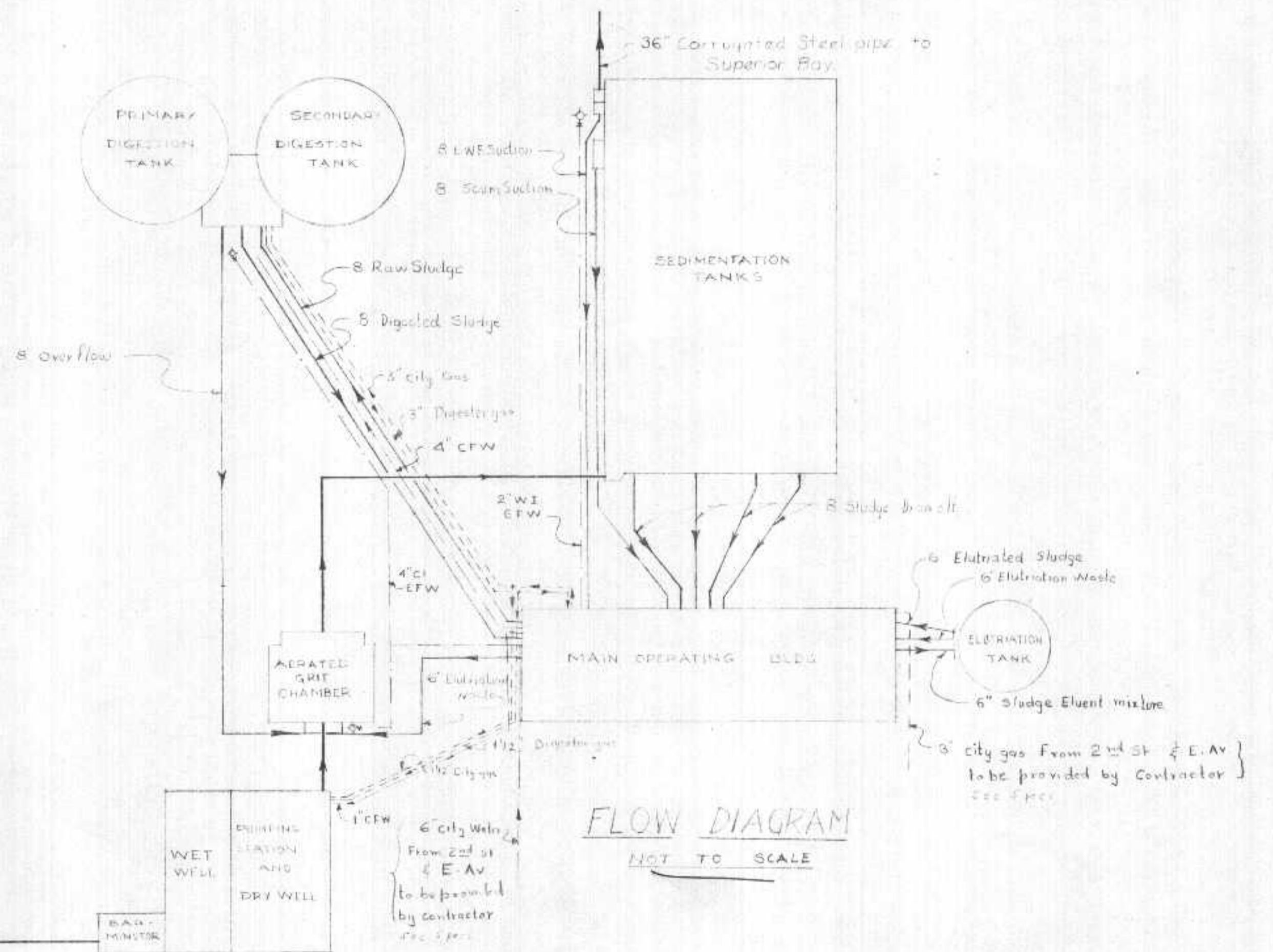
Verification *D. Rosamund*

Note:  
 Curb & Gutter to be  
 8" H  
 18" W  
 Minn Highway Dept. Plate 710B  
 Slope 1% MIN TO DRAIN PROPERLY  
 CONTRACTOR TO INSTALL 8" PRECAST  
 CONNECTION ON PILING, FROM PRESENT  
 OUTFALL SEWER TO NEW BY-PASS STRUCTURE  
 AND SEAL TO PREVENT LEAKAGE.

REVISIONS			SEWAGE TREATMENT PLANT GENERAL LAYOUT	
DATE	DESCRIPTION	BY		
7/6/56	CHANGE FROM 10" TO 12" DIA. PIPING	J.L.	SUPERIOR WIS.	
7/6/56	REMOVED WHITE SANDS BRIDGE	J.L.	HITCHCOCK & ESTABROOK, INC.	
			CONSULTING ENGINEERS	
			300 LINCOLN BLDG. MINNEAPOLIS 1, MINN.	
DR.	TR.		JOB NO.	
J.L.			400	
CHKD.	APPD.		SHEET NO.	
			13 OF 71	
DATE: 7/6/56			SCALE: 1" = 20'	



**HYDRAULIC PROFILE [FOR MAX FLOW]**  
SCALE 1"=10.0' VERT.; 1"=10.0' HOR.



**FLOW DIAGRAM**  
NOT TO SCALE

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

These Plans and Specifications submitted in connection with an Application for a Federal grant for the construction of treatment works under the provisions of the Federal Water Pollution Control Act (U.S.C. 405) and the regulations promulgated thereunder have been reviewed.

(Reviewing Engineer) \_\_\_\_\_ (Date) \_\_\_\_\_  
and are herewith APPROVED

(Regional Engineer) \_\_\_\_\_ (Date) \_\_\_\_\_  
Region V, Chicago, Illinois

EXAMINED and reported upon by the Section on Environmental Sanitation

O. J. MUEGGE  
State Sanitary Engineer

APPROVED by the State Board of Health, as required by Wisconsin Statutes, subject to conditions set forth in the letter of approval

JUL 6 1958  
CARL N. NEUPERT, M. D.  
State Health Officer

Verification: *[Signature]*

REVISIONS		
DATE	DESCRIPTION	BY

HYDRAULIC PROFILE & FLOW DIAGRAM  
SEWAGE TREATMENT PLANT

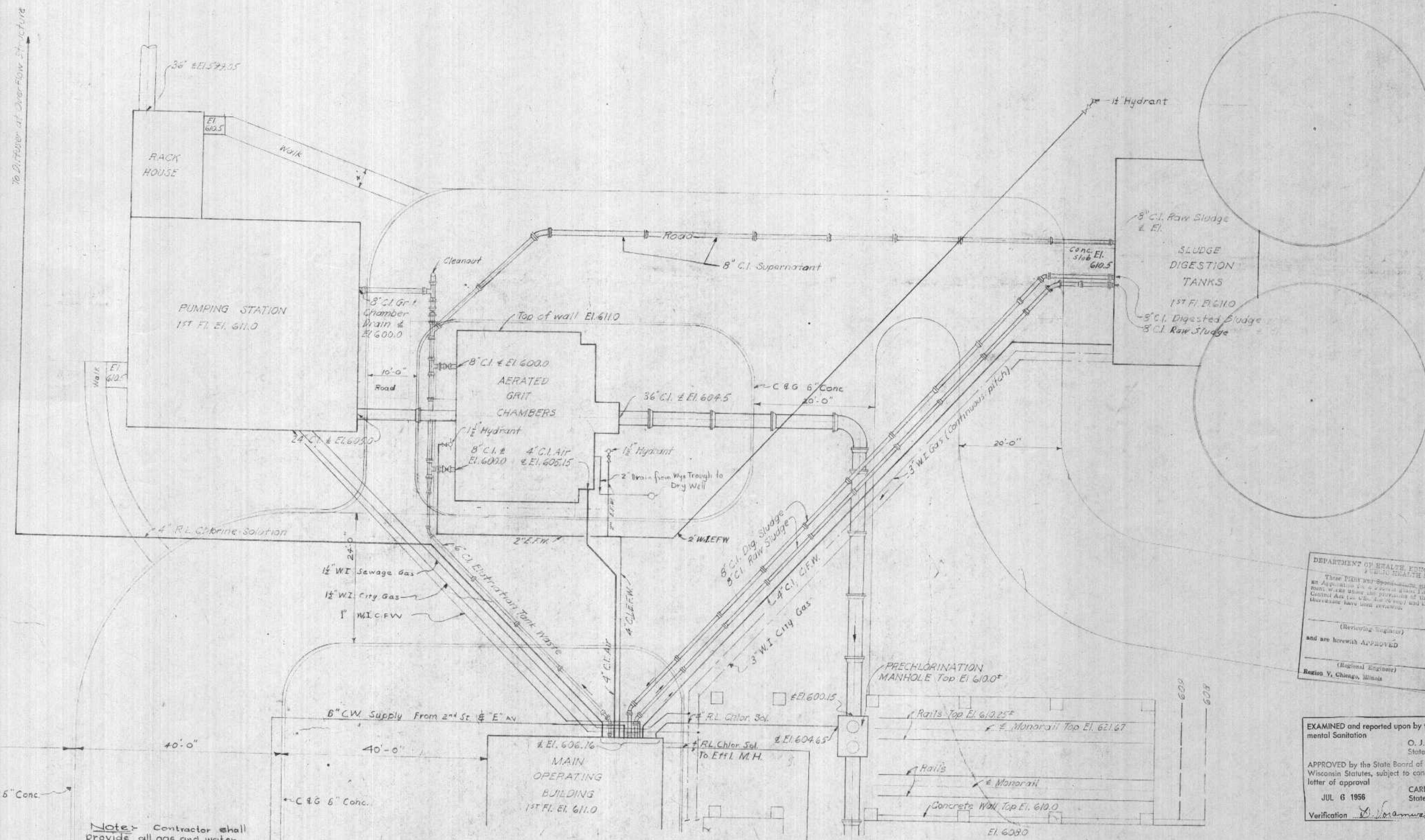
SUPERIOR WIS

HITCHCOCK & ESTABROOK, INC.  
CONSULTING ENGINEERS  
300 LINCOLN BLDG.  
MINNEAPOLIS 1, MINN.

DR.	TR.	JOB NO.
J.D.	J.D.	400
CHKD.	APPD.	SHEET NO.
J.D.	J.D.	14 of 71

DATE: JUL 6 1958 SCALE: As Noted

To Distribute at Over-Flow Structure



Note: Contractor shall provide all gas and water piping inside plant property line in lump sum bid and the payment for gas & water piping outside plant property line to be done on unit bid basis

PIPE LEGEND:  
 CMP denotes Corrugated Metal Pipe  
 CI " Cast Iron Pipe  
 WI " Wrought Iron Pipe  
 RL " Rubber Lined Steel Pipe

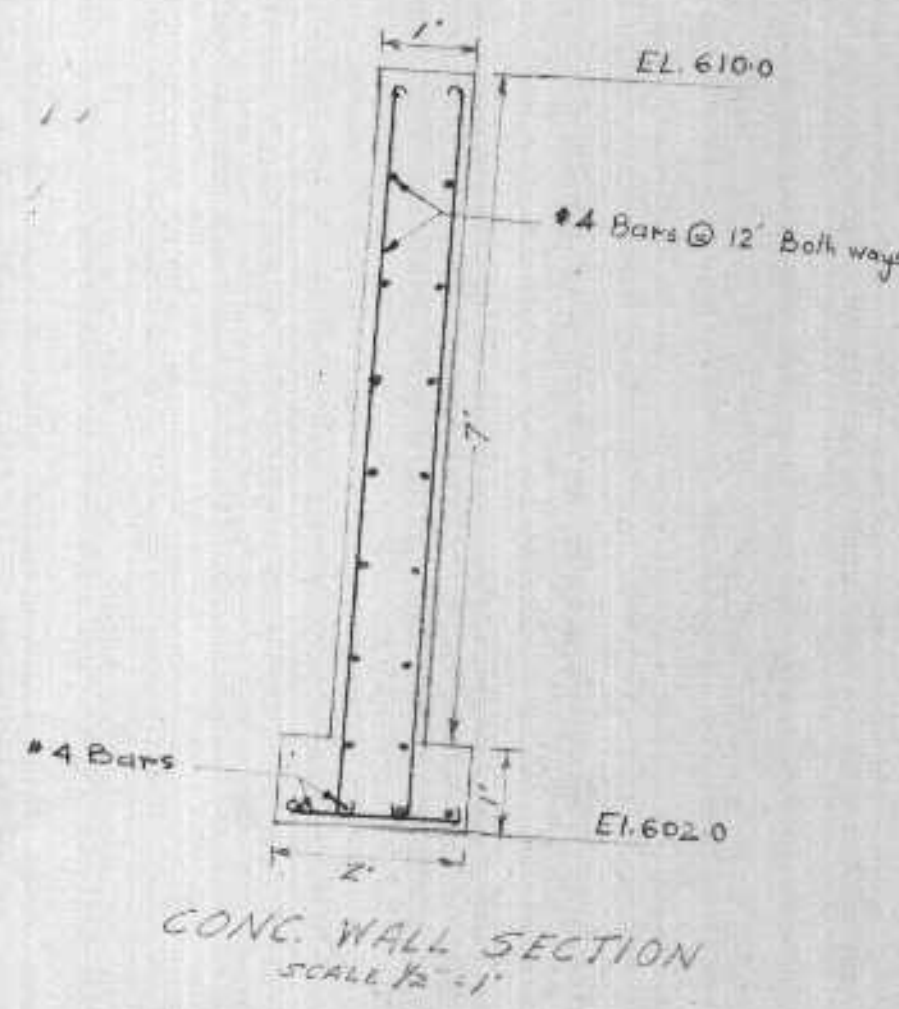
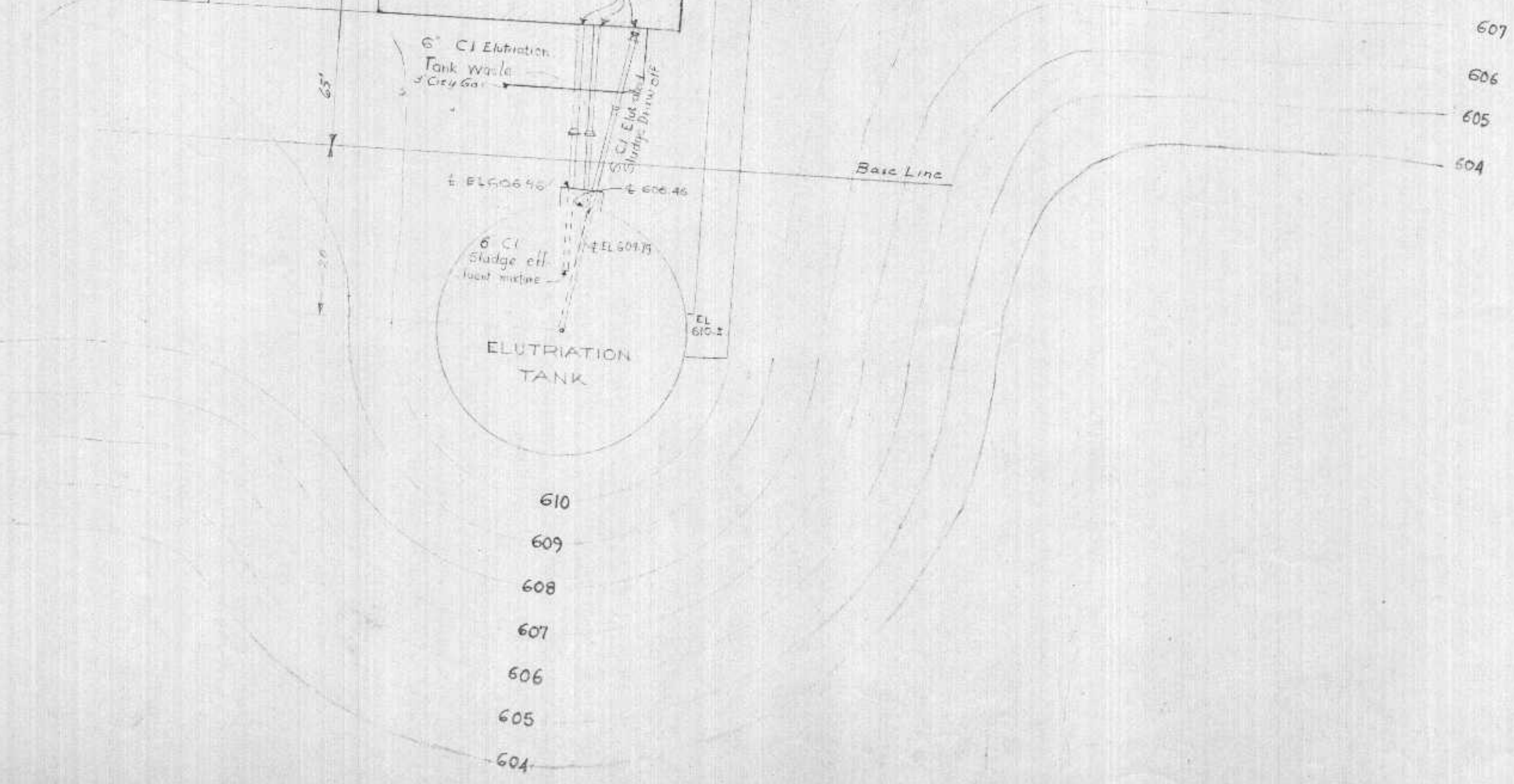
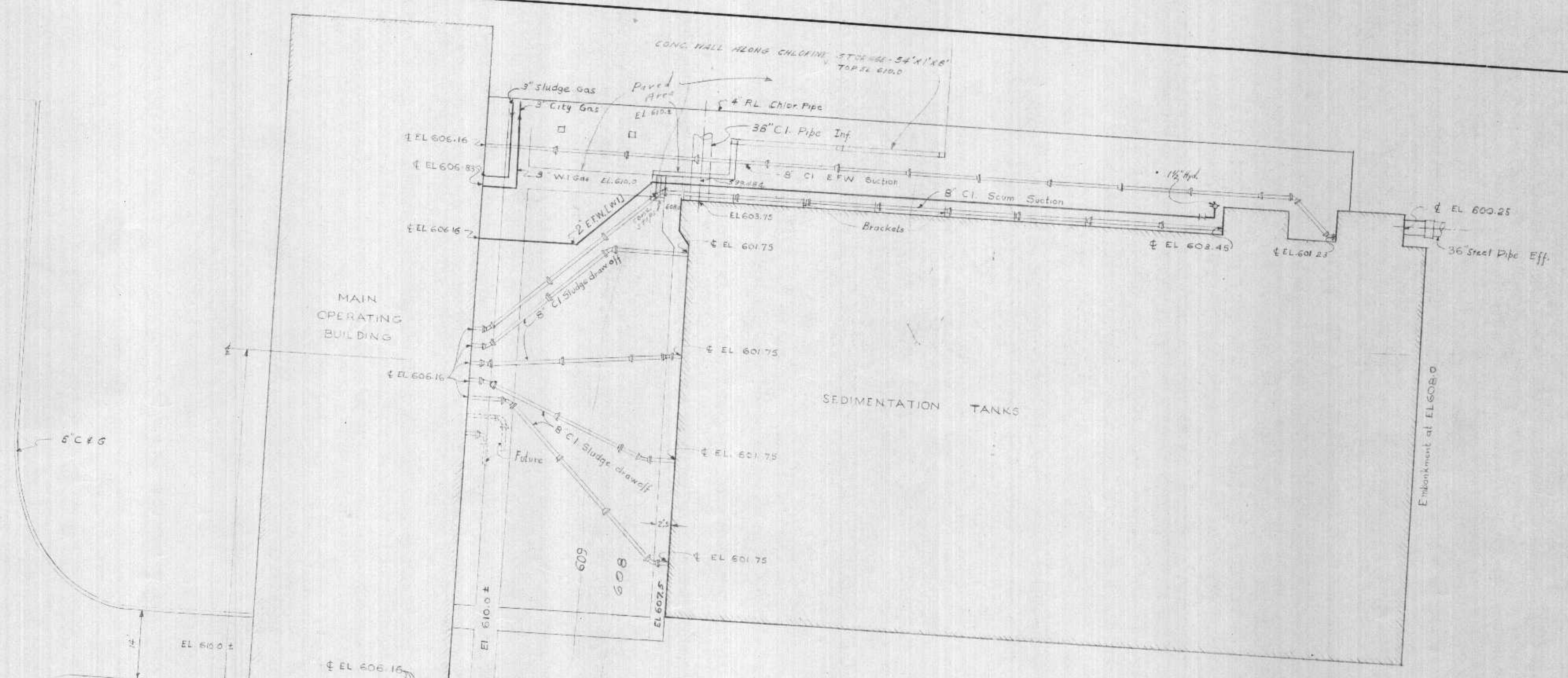
EFW " Effluent Flushing Water  
 CFW " City Flushing Water  
 CW " City Water Supply Main

GENERAL NOTES:  
 24" and 36" Cast Iron pipe shall have bell and spigot ends with lead joints.  
 Other Cast Iron pipe and fittings shall have standardized mechanical joints.  
 Pipe lines shall slope at a constant rate between the elevations as shown on the drawings

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE  
 PUBLIC HEALTH SERVICE  
 These Plans and Specifications are prepared in connection with an application for a permit under the provisions of the Federal Water Pollution Control Act (P.L. 85-624, 40 C.F.R. 150.000) and the regulations promulgated thereunder have been reviewed.  
 (Reviewing Engineer) \_\_\_\_\_ (Date) \_\_\_\_\_  
 and are herewith APPROVED  
 (Regional Engineer) \_\_\_\_\_ (Date) \_\_\_\_\_  
 Region V, Chicago, Illinois

EXAMINED and reported upon by the Section on Environmental Sanitation  
 O. J. MUEGGE  
 State Sanitary Engineer  
 APPROVED by the State Board of Health, as required by Wisconsin Statutes, subject to conditions set forth in the letter of approval  
 JUL 6 1956  
 Verification \_\_\_\_\_  
 CARL N. NEUPERT, M. D.  
 State Health Officer

SUPERIOR, WISCONSIN  
 SEWAGE TREATMENT PLANT  
 OUTSIDE PIPING  
 PLAN - I  
 SCALE, 1" = 10'-0"  
 FEB. 1956  
 METCALF & EDDY  
 ENGINEERS  
 BOSTON, MASS.



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
 PUBLIC HEALTH DIVISION  
 These Plans and Specifications are shown in connection with an application for a permit to construct a sewerage or sewage disposal system in the City of Chicago, Illinois. The Plans and Specifications are subject to the provisions of the Chicago Sanitary and Health Code, Chapter 46, and the provisions of the Illinois Sanitary and Health Code, Chapter 210.  
 (Responsible Engineer)  
 and are herewith APPROVED (Date)  
 (Regional Engineer)  
 Region V, Chicago, Illinois

EXAMINED and reported upon by the Section on Environmental Sanitation  
 O. J. MUEGGE  
 State Sanitary Engineer  
 APPROVED by the State Board of Health, as required by Wisconsin Statutes, subject to conditions set forth in the letter of approval  
 JUL 6 1956  
 Verification: *K. J. ...*  
 CARL N. NEUPERT, M. D.  
 State Health Officer

NOTE -  
 see note on Sh 61 for gas and water piping

REVISIONS		
DATE	DESCRIPTION	BY

**SUPERIOR WIS**  
**SEWAGE TREATMENT PLANT**  
**OUTSIDE PIPING PLAN - 2**

**HITCHCOCK & ESTABROOK, INC.**  
 CONSULTING ENGINEERS  
 300 LINCOLN BLDG.  
 MINNEAPOLIS 1, MINN.

DR. TR. *JD*  
 CHKD. APPD. *JD*

JOB NO. **400**  
 SHEET **110**

**DESIGN INFORMATION**

AVERAGE DRY WEATHER FLOW	5.0 MGD
MAX. HYDRAULIC CAPACITY - SECONDARY	15.0 MGD
MAX. HYDRAULIC CAPACITY - RETENTION TANK	50.0 MGD
B.O.D. LOADING - AVERAGE	7,500 LBS / DAY
B.O.D. CONCENTRATION - AVERAGE	180 MG / L
S.S. LOADING - AVERAGE	8,500 LBS / DAY
S.S. CONCENTRATION - AVERAGE	200 MG / L
PHOSPHORUS AS "P"	10 MG / L
POPULATION EQUIVALENT	44,000
RETENTION TANK	30 MIN. DETENTION (MINIMUM)
GRIT BASINS	100 MESH RETENTION
PRIMARY TANKS	665 GAL. / SQ. FT. / DAY
AERATION TANKS	50 LBS / 1,000 CU. FT.
FINAL TANKS	650 GAL. / SQ. FT. / DAY
CHLORINE CONTACT TANKS	15 MIN. DETENTION (MINIMUM)
ANAEROBIC DIGESTERS	30 DAY DETENTION
AIR	2,300 CU. FT. / LB. B.O.D.

- 1 TITLE SHEET
- 2 LOCATION PLAN & INDEX
- 3 FLOW DIAGRAM
- 4 HYDRAULIC PROFILES
- 5 EXISTING SITE LAYOUT
- 6 PROPOSED SITE LAYOUT
- 7 FIELD PIPING & GRADING
- 8 OVERFLOW BYPASS MODIFICATIONS
- 9 DIVERSION BOX "A" & "B"
- 10 BYPASS RETENTION TANK
- 11 GRIT REMOVAL BASINS & BLDG.
- 12 BYPASS RETENTION TANK SECTIONS
- 13 BYPASS RETENTION TANK SECTIONS
- 14 GRIT REMOVAL BASINS & BLDG. SECTIONS
- 15 GRIT BLDG. & RETENTION TANK SECTIONS
- 16 GRIT BLDG. DETAILS
- 17 GRIT BLDG. & RETENTION TANK DETAILS
- 18 GRIT BLDG. ELEVATIONS & DRIVEWAY
- 19 PUMPING STATION REVISIONS
- 20 PRIMARY SETTLING TANKS
- 21 PRIMARY SETTLING TANKS
- 22 BLOWER & CHEMICAL BLDG. SECTIONS

**INDEX TO DRAWINGS**

- 23 PRIMARY TANK SECTIONS & DETAILS
- 24 BLOWER & CHEMICAL BLDG. ELEV. SECTIONS & ROOF PLAN
- 25 BLOWER & CHEMICAL BLDG. DETAILS
- 26 AERATION TANK
- 27 AERATION TANK SECTIONS
- 28 SLUDGE THICKENER
- 29 FINAL SETTLING TANK REVISIONS
- 30 FINAL SETTLING TANK REVISIONS
- 31 CHLORINATION CONTACT TANKS
- 32 EXISTING DIGESTER CONTROL BLDG. MODIFICATIONS
- 33 DIGESTER & DIGESTER CONTROL BLDG.
- 34 DIGESTER SECTIONS & DETAILS
- 35 DIGESTER SECTIONS & DETAILS
- 36 DIGESTER PIPING DIAGRAM & DETAILS
- 37 DIGESTER CONTROL BLDG. ELEV. & FILTER CAKE STOR. SLAB
- 38 EXISTING SLUDGE PUMPING REVISIONS
- 39 EXISTING CONTROL BLDG. REVISIONS
- 40 EXISTING CONTROL BLDG. REVISIONS
- 41 EXISTING CONTROL BLDG. REVISIONS
- 42 CHLORINATION FACILITIES
- 43 GENERAL DETAILS

**STRUCTURAL**

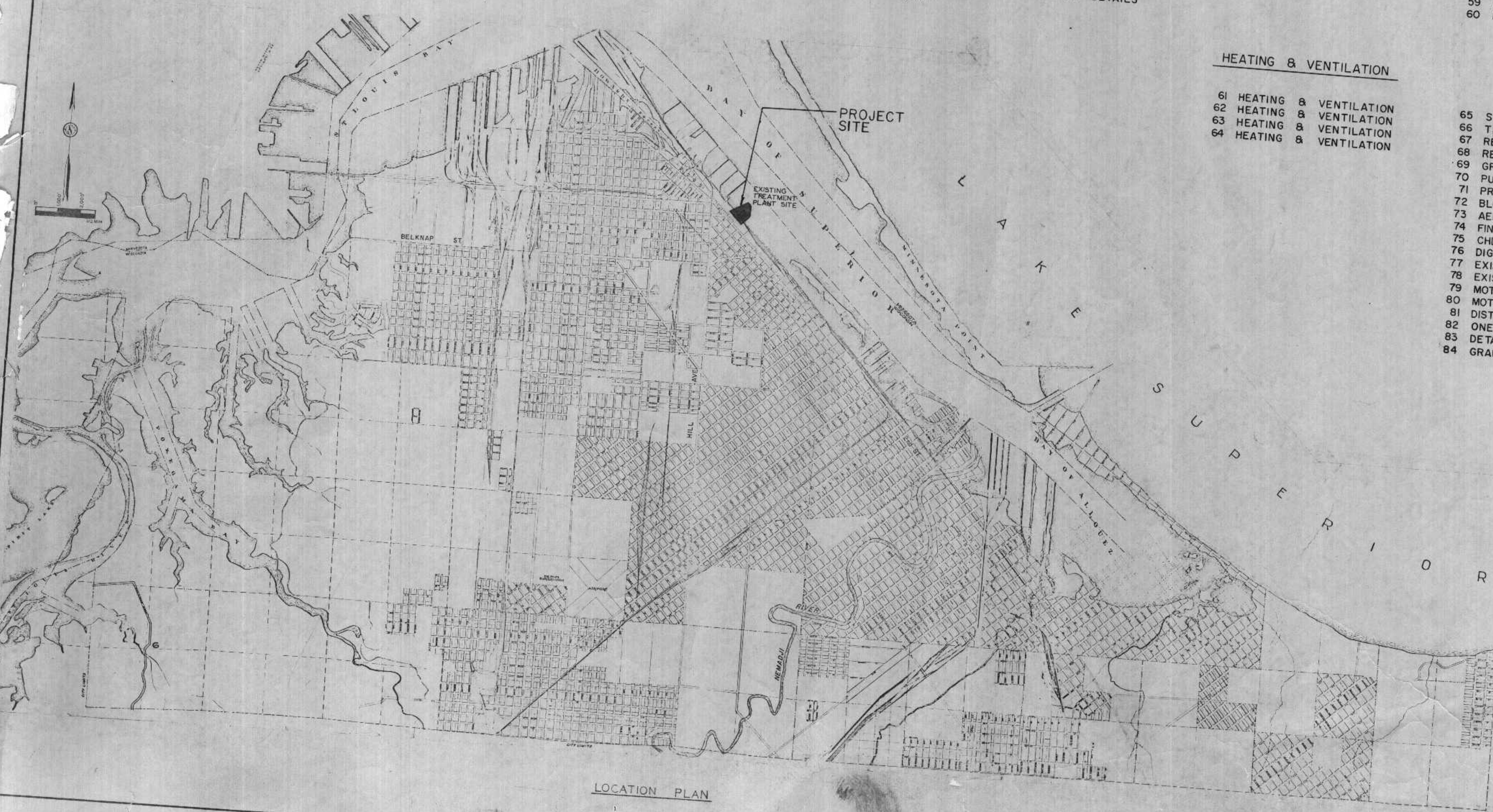
- 44 RETENTION TANK FOUNDATION
- 45 BYPASS RETENTION TANK
- 46 BYPASS RETENTION TANK & GRIT TANK CORNER
- 47 BYPASS RETENTION TANK CORNERS
- 48 DIVERSION BOX "A" & "B"
- 49 GRIT REMOVAL BASINS
- 50 GRIT REMOVAL BASINS & BLDG.
- 51 PRIMARY SETTLING TANKS
- 52 PRIMARY SETTLING TANKS
- 53 AERATION TANK
- 54 AERATION TANK
- 55 SLUDGE THICKENER
- 56 FINAL SETTLING TANK REVISIONS
- 57 CHLORINATION CONTACT TANK
- 58 DIGESTER & DIGESTER CONTROL BLDG.
- 59 DIGESTER SECTIONS & DETAILS
- 60 FILTER CAKE STORAGE SLAB & GENERAL DETAILS

**HEATING & VENTILATION**

- 61 HEATING & VENTILATION
- 62 HEATING & VENTILATION
- 63 HEATING & VENTILATION
- 64 HEATING & VENTILATION

**ELECTRICAL**

- 65 SITE PLAN
- 66 TEMPORARY SERVICE
- 67 RETENTION TANK
- 68 RETENTION TANK TUNNEL
- 69 GRIT REMOVAL BASINS
- 70 PUMPING STATION REVISIONS
- 71 PRIMARY SETTLING TANKS
- 72 BLOWER & CHEMICAL BLDG.
- 73 AERATION TANK
- 74 FINAL TANK & EFFLUENT TANK
- 75 CHLORINE CONTACT TANK
- 76 DIGESTER BLDG.
- 77 EXISTING CONTROL BLDG. - MAIN FLOOR
- 78 EXISTING CONTROL BLDG. - SECOND FLOOR
- 79 MOTOR SCHEDULE
- 80 MOTOR SCHEDULE
- 81 DISTRIBUTION CONTROL CENTER SCHEDULE
- 82 ONE LINE DIAGRAM
- 83 DETAIL SHEET
- 84 GRAPHIC PANEL LAYOUT



LOCATION PLAN

REVIEWED AND APPROVED BY THE  
 DIV. OF ENVIRONMENTAL PROTECTION,  
 DEPT. NATURAL RESOURCES,  
 IN ACCORDANCE WITH SEC. 144.04,  
 WIS. STATS., SUBJECT TO THE CON-  
 DITIONS SET FORTH IN THE LETTER  
 OF APPROVAL.  
 THOMAS G. FRANZOS  
 ADMINISTRATOR

APPROVAL NO.  
**72 355**

DATE: FEB 4 '74

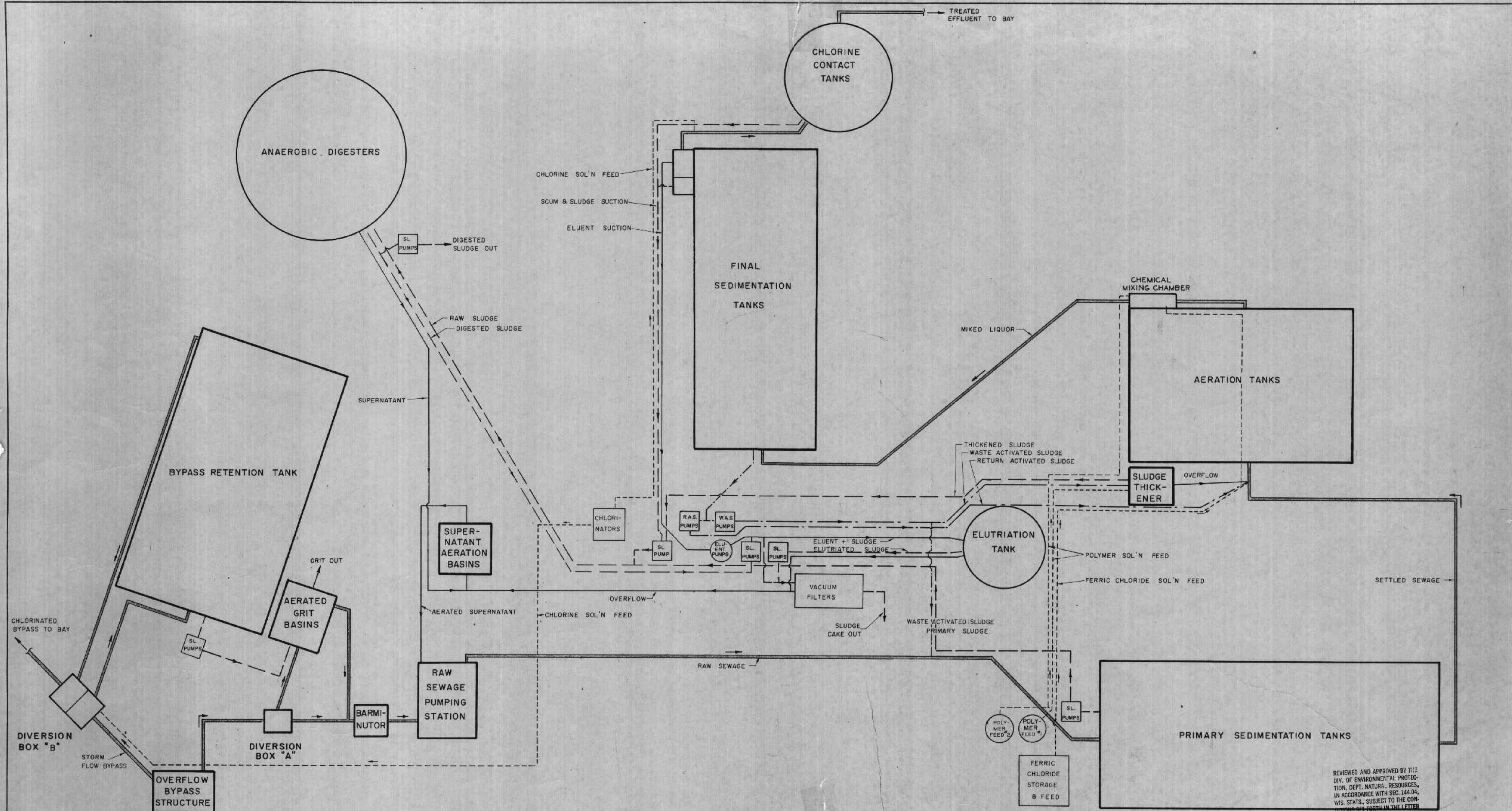
DNR JAN 3 1974

BURLEY	REVISIONS

**BONESTRO, ROSE, ANDERLIZ & ASSOC., INC.**  
 ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
 DATE: FEBRUARY 2, 1974 COMM. 6888A

LOCATION PLAN AND



**FLOW DIAGRAM**  
NO SCALE

REVIEWED AND APPROVED BY THE  
DIV. OF ENVIRONMENTAL PROTECTION,  
DEPT. NATURAL RESOURCES,  
IN ACCORDANCE WITH SEC. 144.04,  
WIS. STATS., SUBJECT TO THE CON-  
DITIONS SET FORTH IN THE LETTER  
OF APPROVAL.

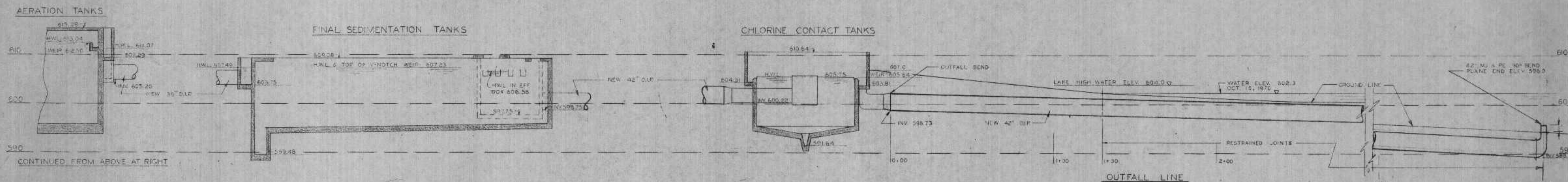
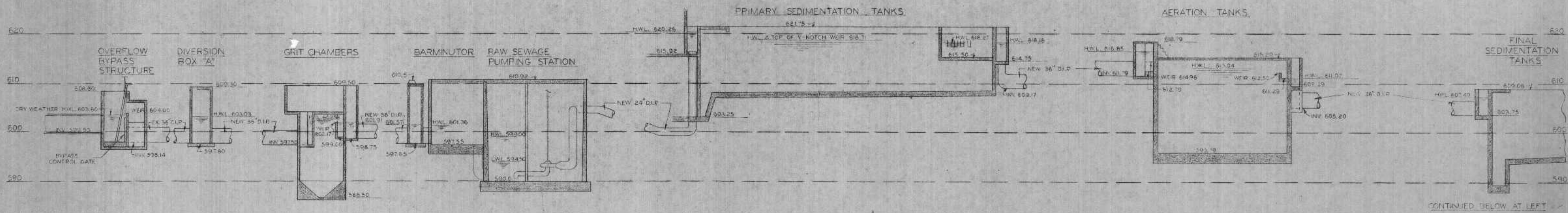
THOMAS G. FRANCOIS  
ADMINISTRATOR

APPROVAL NO.  
**72 355**

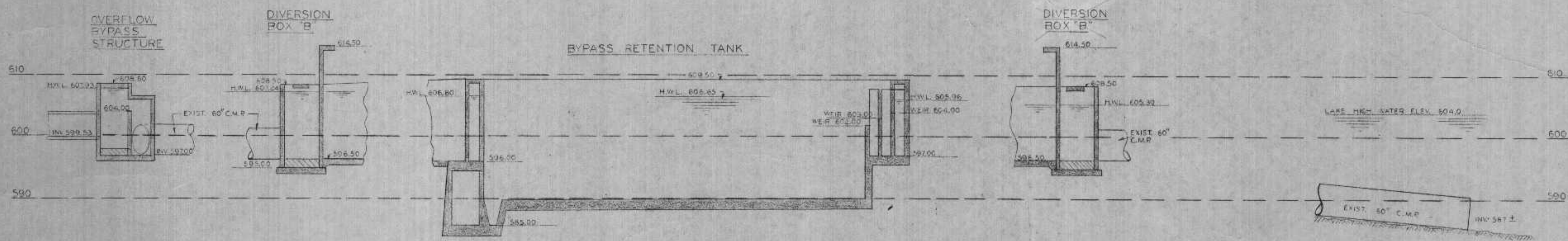
DATE: FEB 4 '74

DNR JAN 3-1974





MAIN TREATMENT PLANT SEQUENCE  
 AT MAXIMUM FLOW



WET WEATHER BYPASS SEQUENCE  
 AT MAXIMUM FLOW & LAKE HIGH WATER ELEVATION -  
 ALL H.W.L.'S APPROX. 2.0' LOWER AT NORMAL LAKE WATER ELEVATION

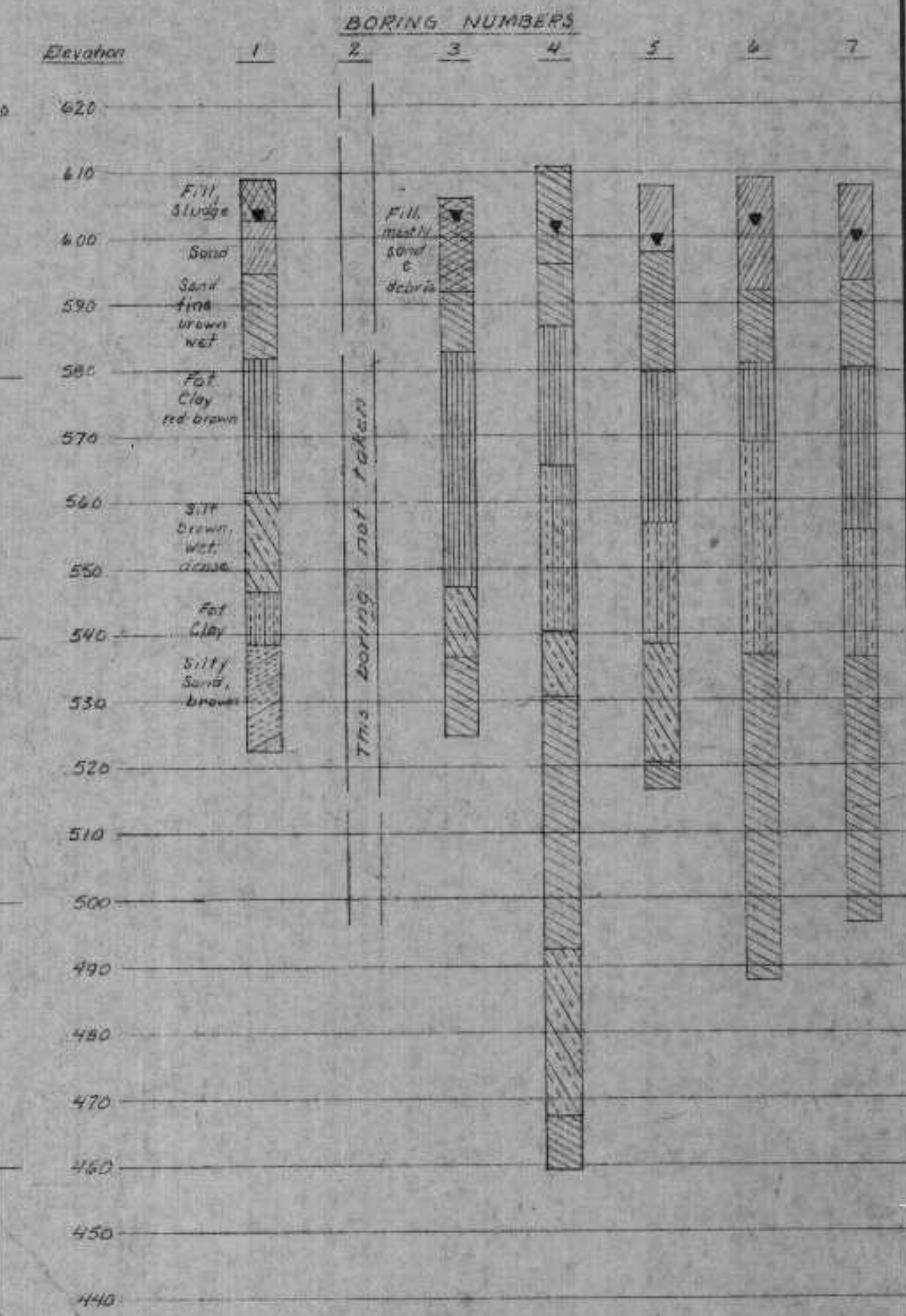
HYDRAULIC PROFILES  
 HORIZ. 1" = 20'  
 VERT. 1" = 10'

REVIEWED AND APPROVED BY THE  
 DIV. OF ENVIRONMENTAL PROTECTION,  
 DEPT. NATURAL RESOURCES,  
 IN ACCORDANCE WITH SEC. 144.04,  
 WIS. STATS., SUBJECT TO THE CONDITIONS SET FORTH IN THE LETTER OF APPROVAL.  
 THOMAS G. FRANGOS  
 ADMINISTRATOR

APPROVAL NO. 72 355  
 DATE: FEB 4 '74

DNR JAN 3 1974

**SOIL BORING LOG**



Boring Scale 1" = 20' vertical  
 Denotes Water Table - Jan. 1970

**SOIL NOTES:**

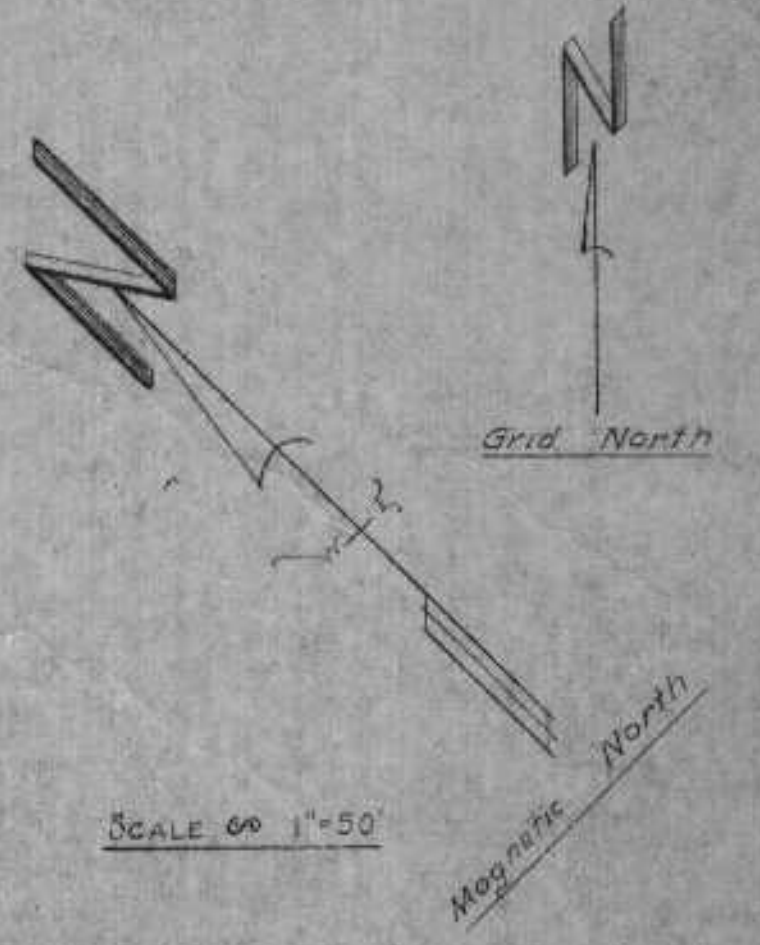
1. Each symbol for soil is located only once in log. Recurrence of symbol is for same type of soil.
2. Soil borings shown here were made by Landward Testing Laboratory, Inc., Duluth, Minnesota, during January 1970.
3. Soil borings are shown for information only and no warranty is given on varying conditions. The contractor shall be responsible for determining and investigating soil conditions prior to bidding.

WATER LINE  
 May 11, 1969  
 Elev. 601.8

REVIEWED AND APPROVED BY THE  
 DIV. OF ENVIRONMENTAL PROTECTION,  
 DEPT. NATURAL RESOURCES,  
 IN ACCORDANCE WITH SEC. 143.04,  
 WIS. STATS., SUBJECT TO THE CONDITIONS SET FORTH IN THE LETTER OF APPROVAL.  
 THOMAS G. FRANGOS  
 ADMINISTRATOR

APPROVAL NO.  
**72 355**

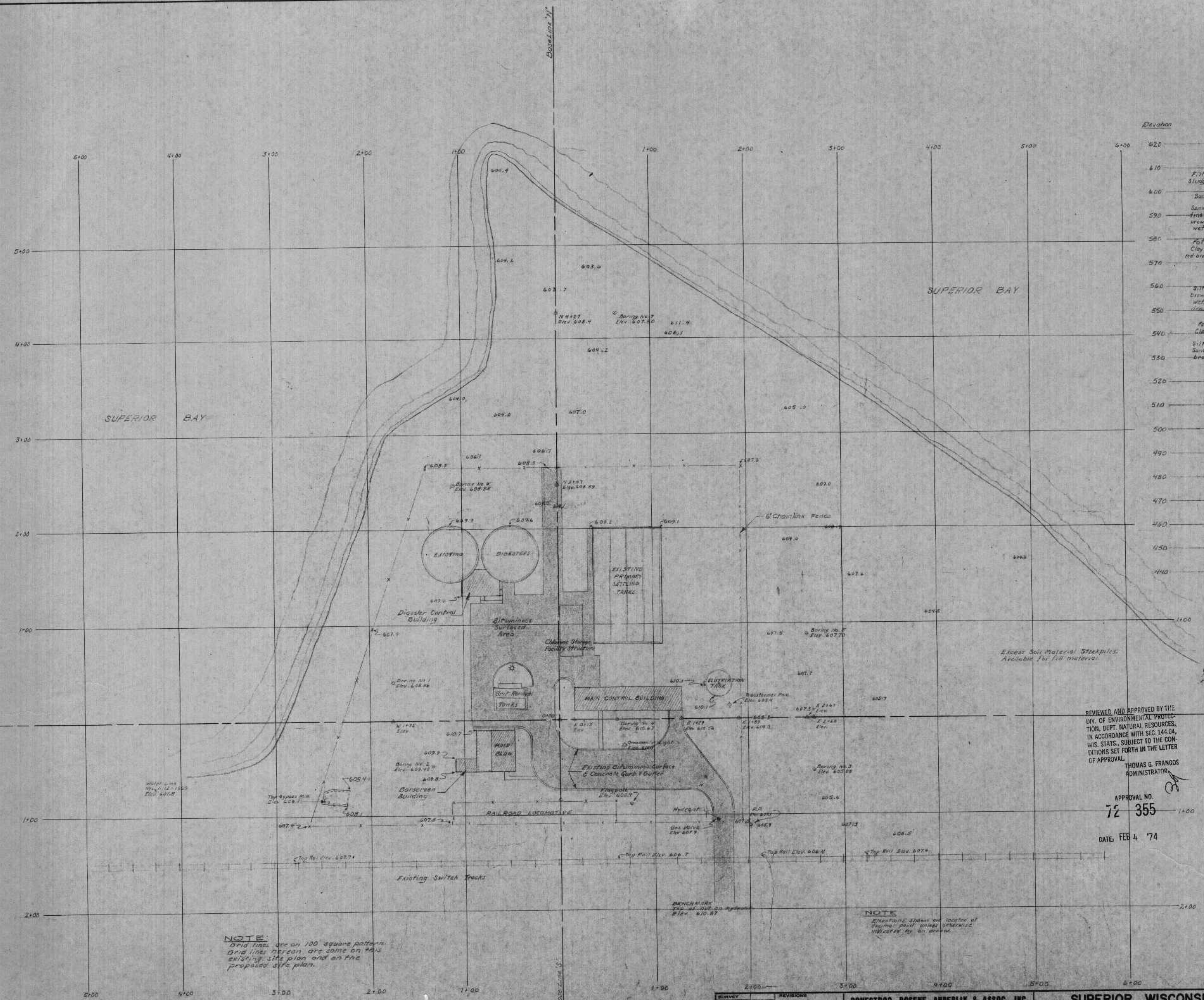
DATE FEB 4 '74



**NOTE:**  
 Grid lines are on 100 square pattern.  
 Grid lines shown are same on P&E existing site plan and on the proposed site plan.

**NOTE:**  
 Elevation shown on location of boring point unless otherwise indicated by the owner.

Excess Soil Material Stockpiles Available for fill material.



REVISIONS	DATE	BY	REASON

**DONESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
 ST. PAUL, MINNESOTA

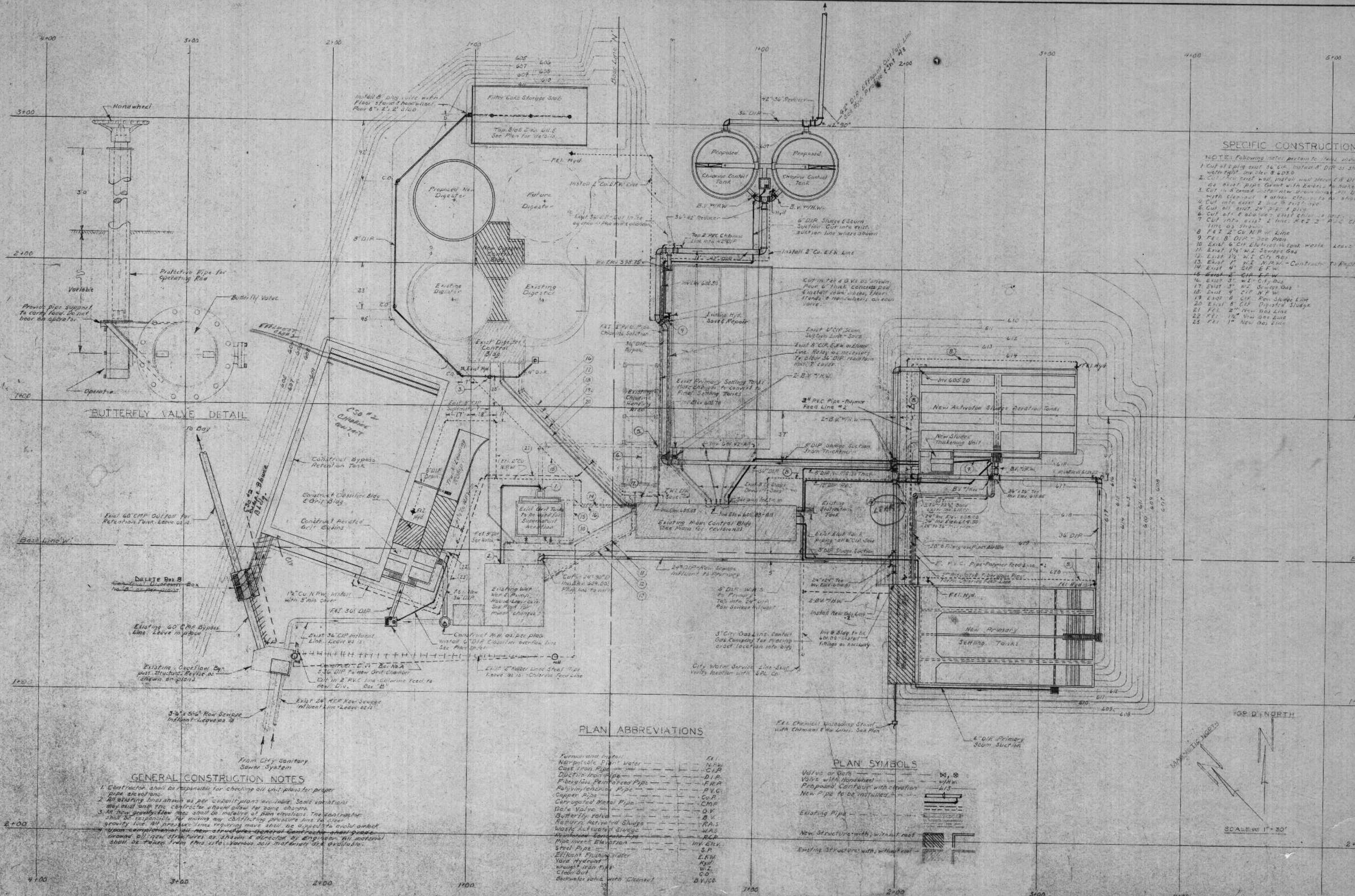
**SUPERIOR, WISCONSIN**  
 DATE: FEBRUARY 2, 1974 COMM. 6888 A

EXISTING SITE LAYOUT

DNR JAN 3 1974

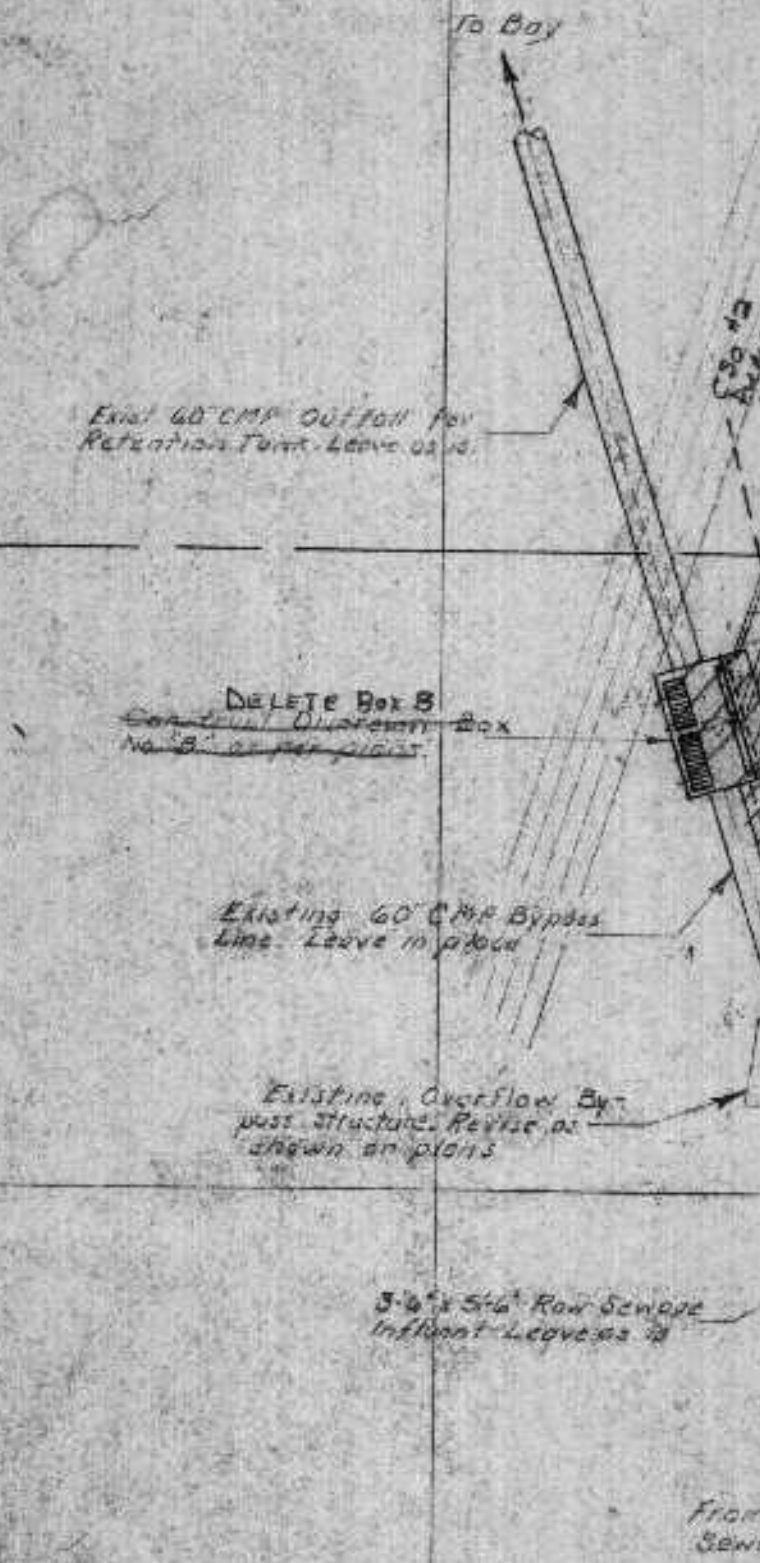






- ### SPECIFIC CONSTRUCTION NOTES
- NOTE: Following notes pertain to this project only.
1. Cut & cover manhole 36" dia. install 8" DIP as shown on plan in the wet well. See Note 2.
  2. Cut & cover manhole 36" dia. install 8" DIP as shown on plan in the wet well. See Note 1.
  3. Cut & cover manhole 36" dia. install 8" DIP as shown on plan in the wet well. See Note 1.
  4. Cut & cover manhole 36" dia. install 8" DIP as shown on plan in the wet well. See Note 1.
  5. Cut & cover manhole 36" dia. install 8" DIP as shown on plan in the wet well. See Note 1.
  6. Cut & cover manhole 36" dia. install 8" DIP as shown on plan in the wet well. See Note 1.
  7. Cut & cover manhole 36" dia. install 8" DIP as shown on plan in the wet well. See Note 1.
  8. P.E.T. 2" Co. N.P.W. Line
  9. P.E.T. 8" DIP - See Plan
  10. Exist. 6" DIP - See Plan
  11. Exist. 12" W.I. Sewer Gas
  12. Exist. 1/2" W.I. City Gas
  13. Exist. 1" W.I. N.P.W. - Contractor to replace this line with 2" Co. N.P.W.
  14. Exist. 4" DIP - See Plan
  15. Exist. 2" DIP - See Plan
  16. Exist. 3" W.I. City Gas
  17. Exist. 3" W.I. Sewer Gas
  18. Exist. 4" DIP - See Plan
  19. Exist. 6" DIP - See Plan
  20. Exist. 8" DIP - See Plan
  21. P.E.T. 2" W.I. Gas Line
  22. P.E.T. 1 1/2" W.I. Gas Line
  23. P.E.T. 1" W.I. Gas Line

BUTTERFLY VALVE DETAIL

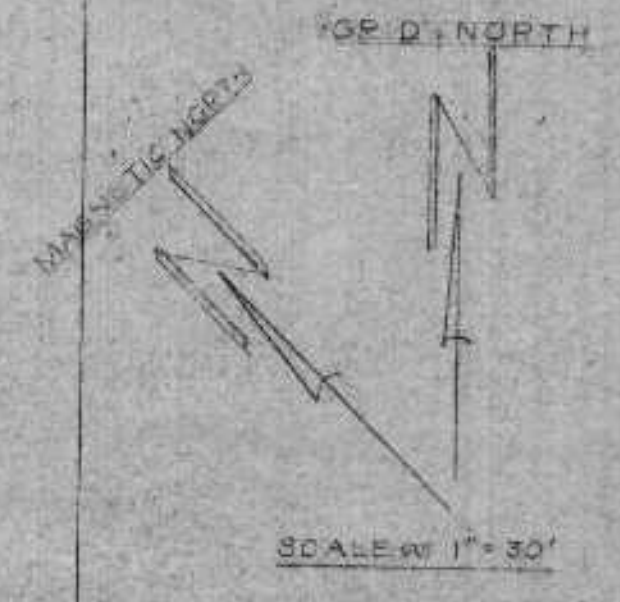
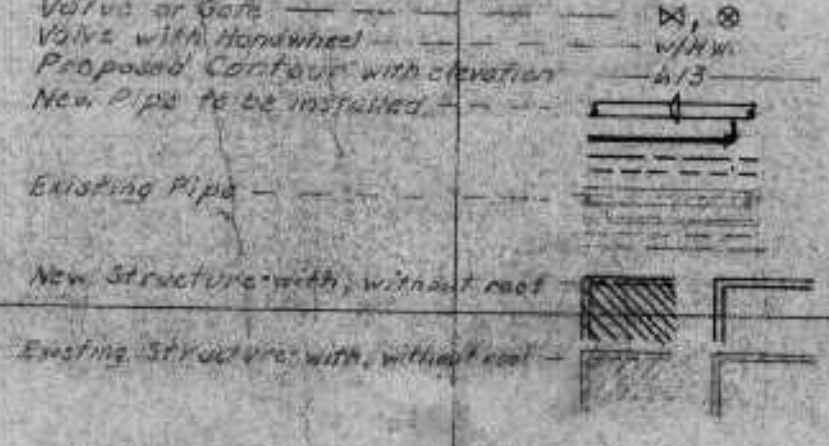


- ### GENERAL CONSTRUCTION NOTES
1. Contractor shall be responsible for checking all utility plans for proper pipe elevations.
  2. All existing lines shown as per existing plans available. Some variations may exist and the contractor should allow for same where shown.
  3. All new construction shall be in accordance with the specifications. The contractor shall be responsible for making any clarifying procedures and to the gravity line. All pressure lines requiring valves shall be placed to avoid ambient ground conditions. All new structures shall be constructed of concrete. All material shall be placed from this site. Various soil materials shall be excluded.

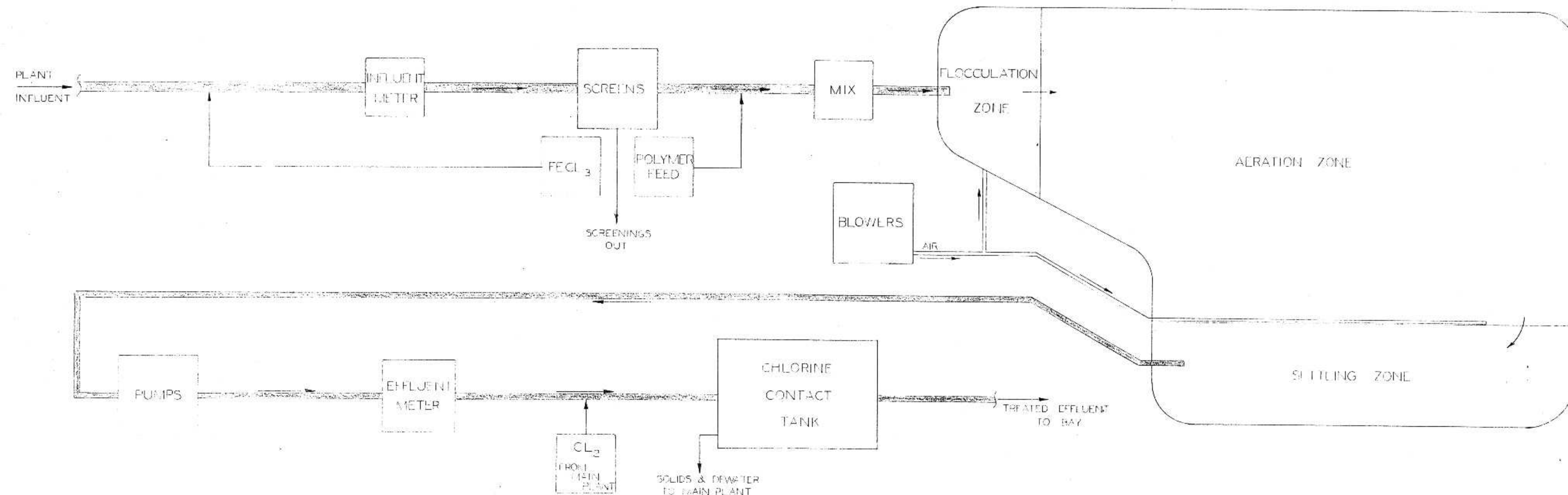
PLAN ABBREVIATIONS

Forwarded from	FEI
Non-potable Plant Water	N.P.W.
Cast Iron Pipe	C.I.P.
Ductile Iron Pipe	D.I.P.
Plastic Pipe	P.P.P.
Galvanized Steel Pipe	G.S.P.
Copper Pipe	C.U.P.
Corrugated Metal Pipe	C.M.P.
Draft Valve	D.V.
Butterfly Valve	B.V.
Regener. Activated Sludge	R.A.S.
Waste Activated Sludge	W.A.S.
Reactivated Sludge	R.S.
Pipe Invert Elevation	INV. ELEV.
Steel Pipe	S.P.
Effluent Flushing Water	E.F.W.
Yard Hydrant	Y.H.
Wrought Iron Pipe	W.I.P.
Cast-But	C.O.
Backwater Valve with Cleanout	B.V./C.O.

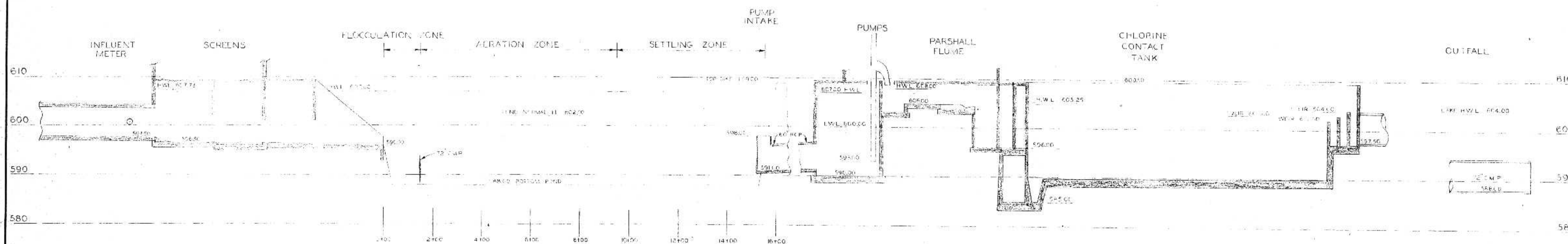
PLAN SYMBOLS







FLOW DIAGRAM  
NO SCALE



HYDRAULIC PROFILE  
HORIZ. 1" = 20'  
VERT. 1" = 10'  
(UNLESS NOTED OTHERWISE)

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
DATE: JUNE 14, 1975 REG. NO. E06599

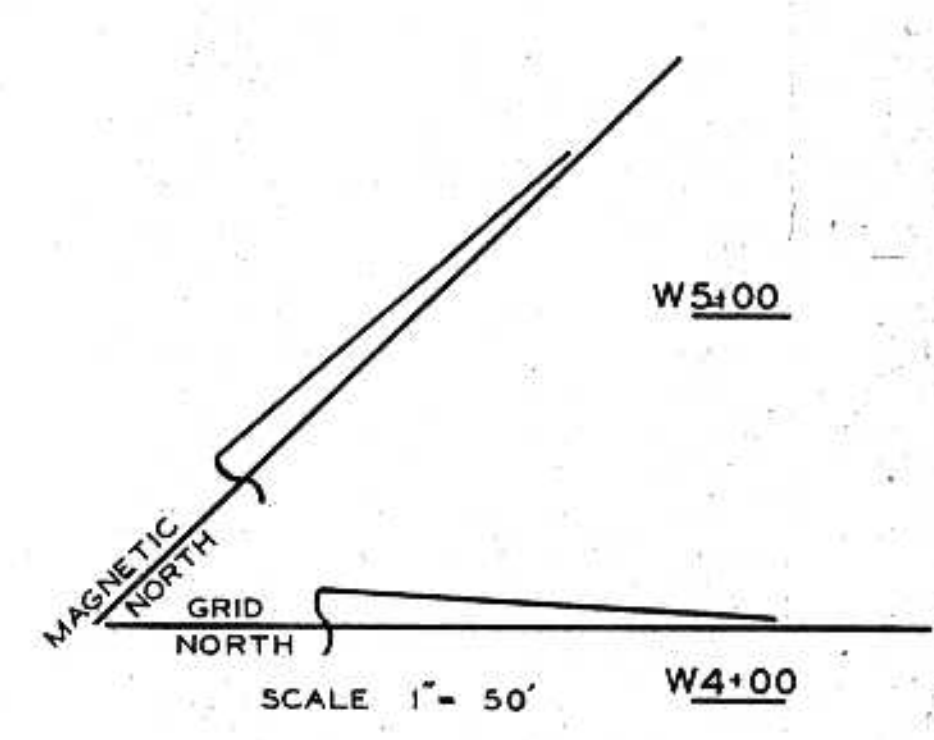
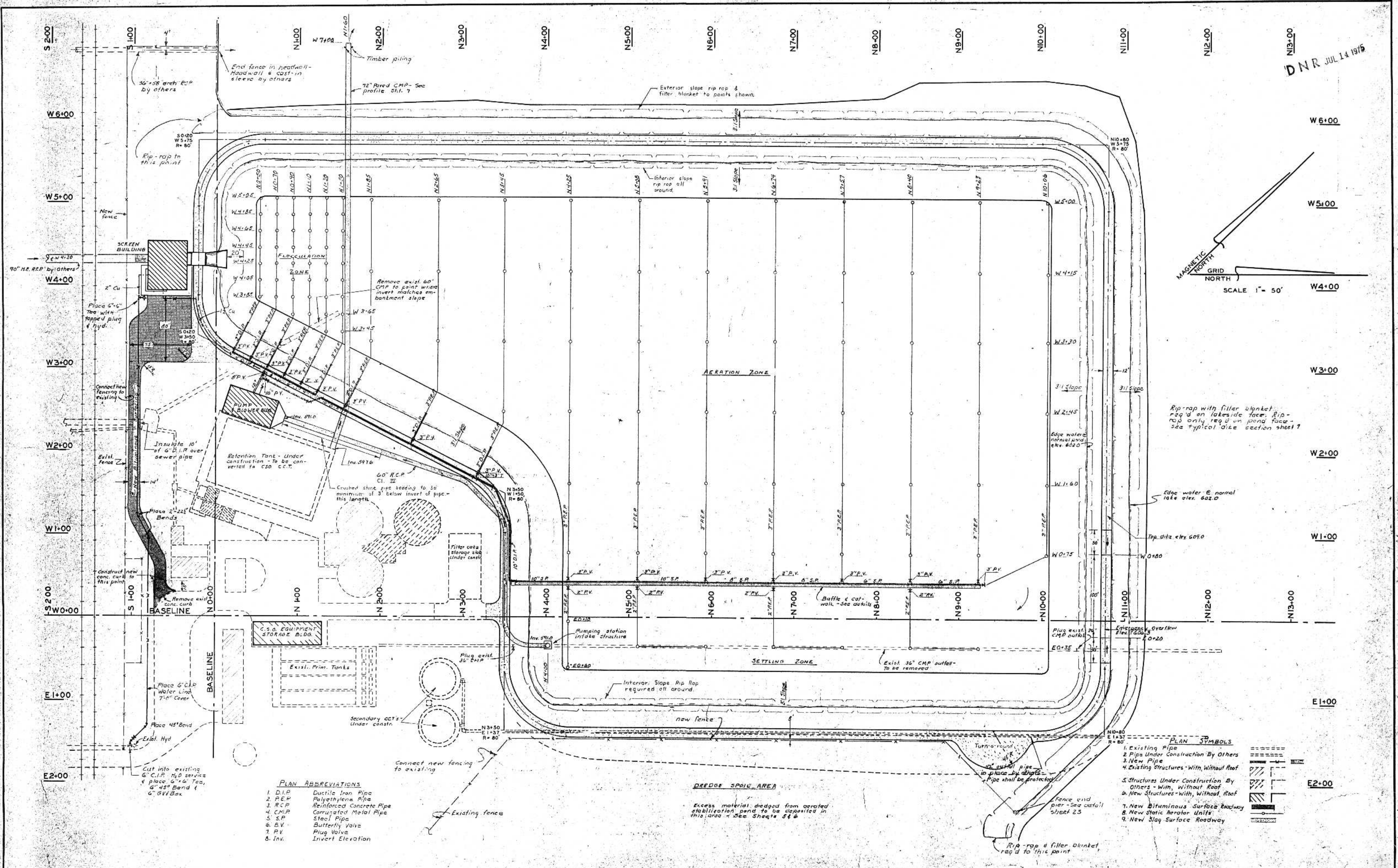
REVISIONS	
SURVEY	CHC
DRAWN	CHC
DESIGN	RET
APPROVED	RET

**BONESTROO, ROSENE, ANDERLIK & ASSOC., INC.**  
ST. PAUL, MINNESOTA

**SUPERIOR, WISCONSIN**  
DATE: JAN 3, 1975 COMM 6888 F

**C. S. O. PLANT - DISTRICT 2**  
**FLOW DIAGRAM & HYDRAULIC PROFILE**

DNR JUL 14 1975



Rip-rap with filler blanket req'd on lakeside face. Rip-rap only req'd on pond face - see typical dice section sheet 7

Edge water @ normal lake elev. 602.0

Top dia. elev. 609.0

Plug exist. CMP outlet

Emerg. overflow elev. 600+20

- PLAN SYMBOLS**
- 1. Existing Pipe
  - 2. Pipe Under Construction By Others
  - 3. New Pipe
  - 4. Existing Structures - With, Without Roof
  - 5. Structures Under Construction By Others - With, Without Roof
  - 6. New Structures - With, Without Roof
  - 7. New Bituminous Surface Roadway
  - 8. New Static Aerator Units
  - 9. New Slag Surface Roadway

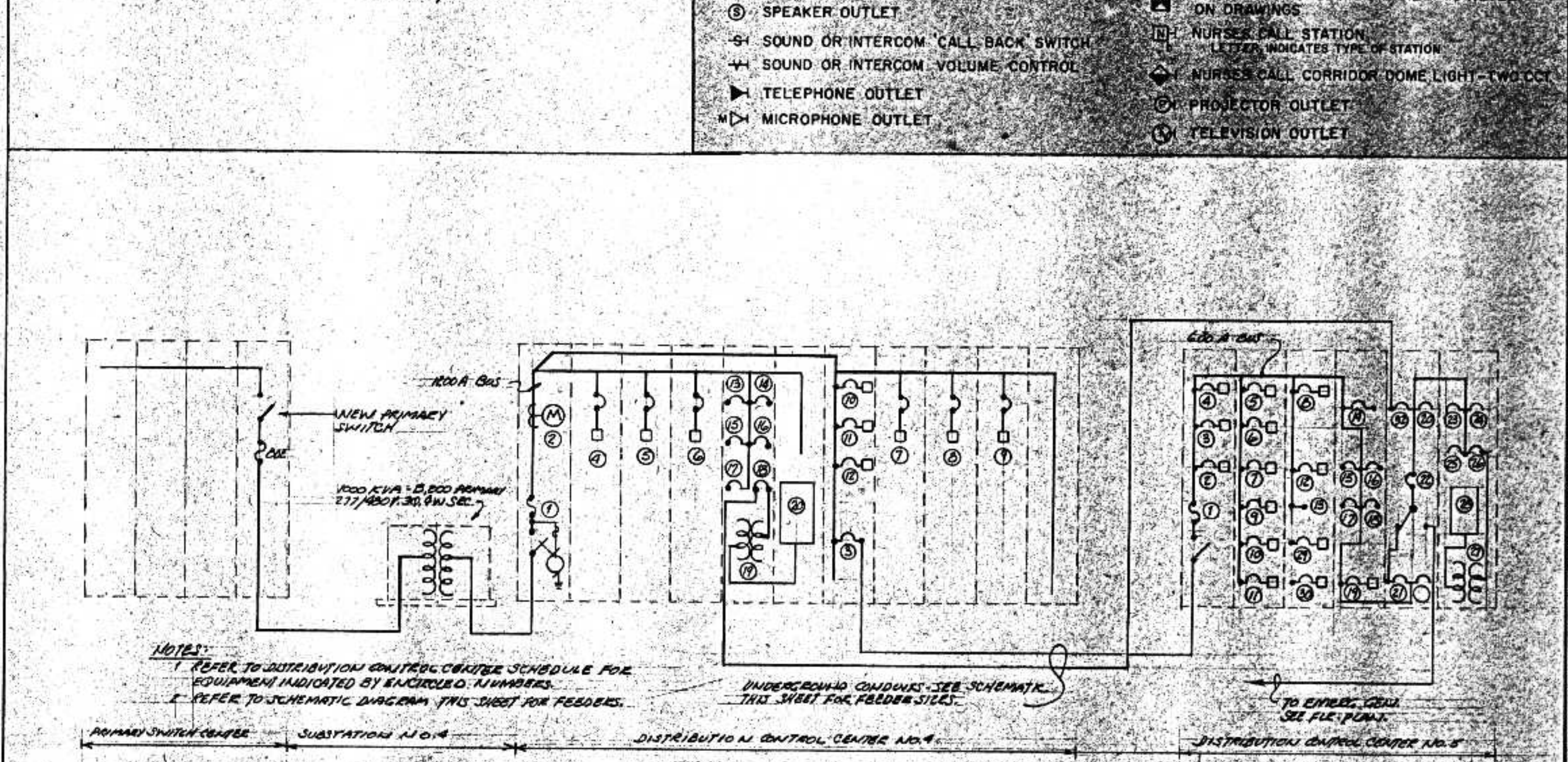
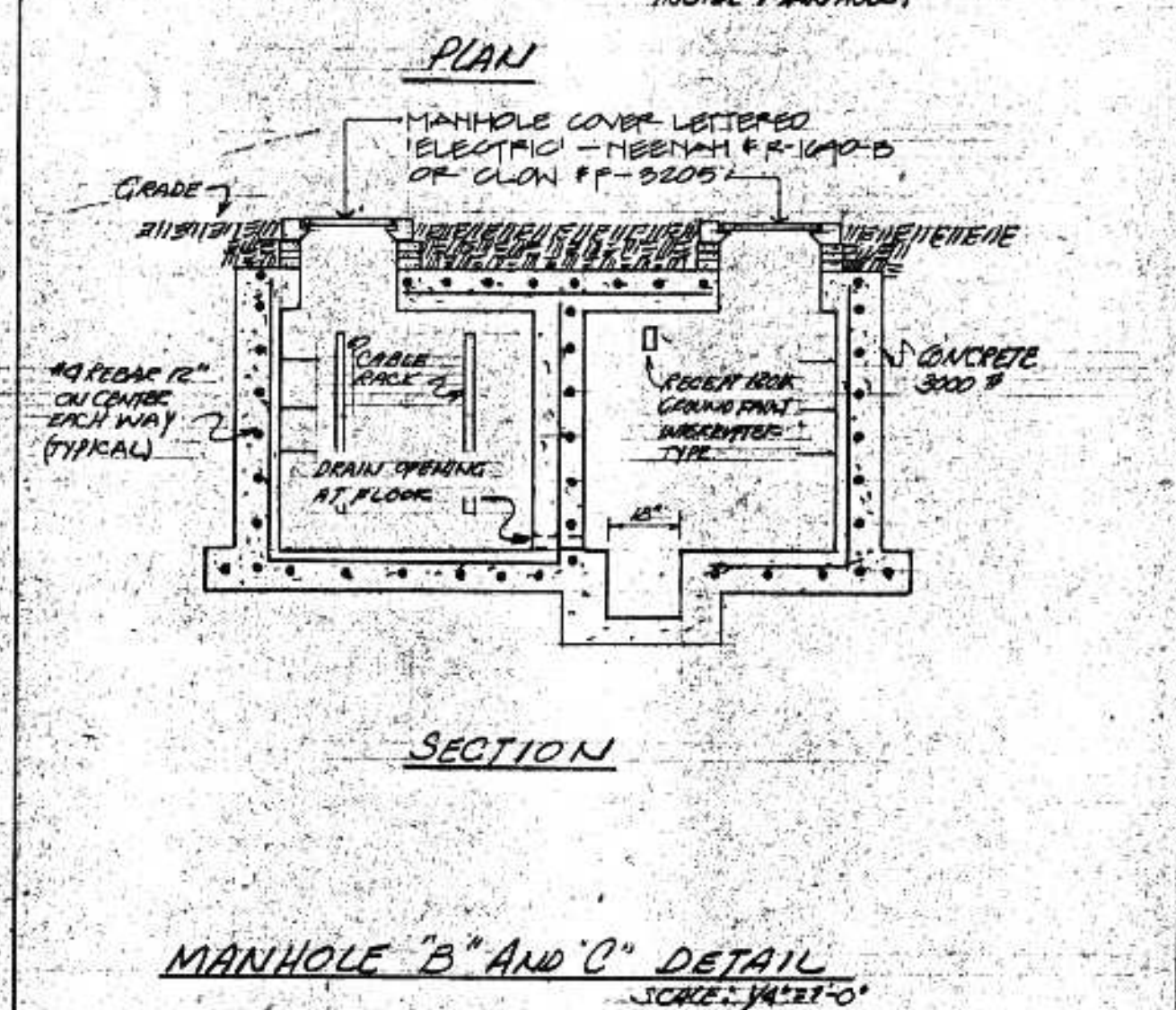
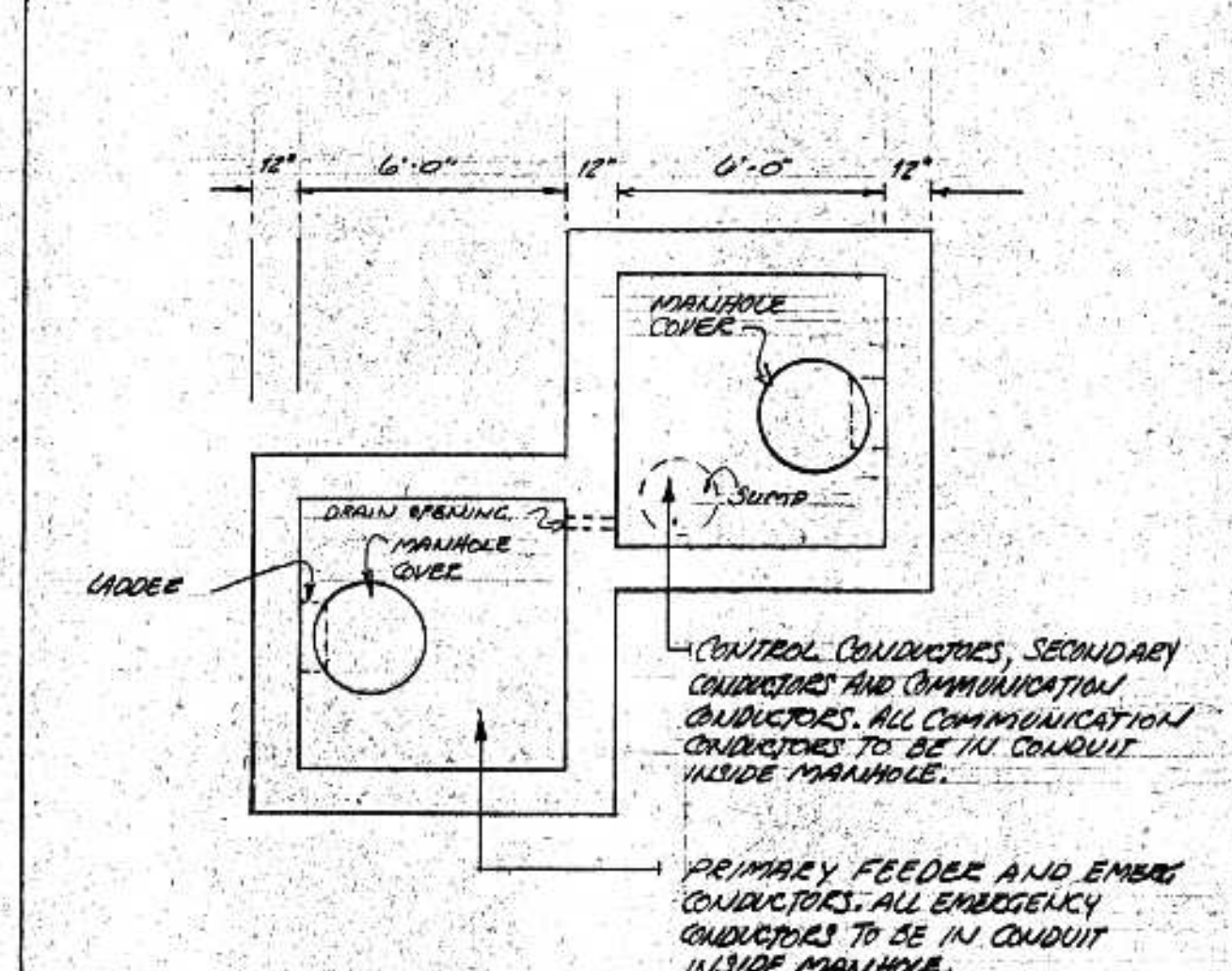
- PLAN ABBREVIATIONS**
- 1. D.I.P. Ductile Iron Pipe
  - 2. P.E.P. Polyethylene Pipe
  - 3. R.C.P. Reinforced Concrete Pipe
  - 4. C.M.P. Corrugated Metal Pipe
  - 5. S.P. Steel Pipe
  - 6. B.V. Butterfly Valve
  - 7. P.V. Plug Valve
  - 8. Inv. Invert Elevation

**DREDGE SPOIL AREA**  
Excess material dredged from aerated stabilization pond to be deposited in this area - See Sheet 54



**ELECTRICAL SYMBOLS**

<ul style="list-style-type: none"> <li>CEILING OUTLET</li> <li>OUTLET FOR OR CONNECTION TO RECESSED LIGHTING FIXTURE</li> <li>WALL OUTLET</li> <li>OUTLET MOUNTED BELOW, OR ON MECHANICAL DUCT WORK</li> <li>EXIT LIGHT</li> <li>DUPLIX CONVENIENCE RECEPT NEMA 5-15R</li> <li>COMBINATION 20A, 120V-208V RECEPT. GROUND NEMA 5-20R + 6-20R</li> <li>DUPLIX CONVENIENCE RECEPT. UPPER HALF SWITCHED. NEMA 5-15R</li> <li>RANGE RECEPT. 50A, 3P+G, 4W, NEMA 14-50R</li> <li>DUPLIX CONVENIENCE RECEPT. NEMA 5-20R</li> <li>BRACKET INDICATES ALL DEVICES ON COMMON PLATE. MIN. OF ONE GANG PER DEVICE</li> <li>FLOOR OUTLET                     <ul style="list-style-type: none"> <li>F - FLUSH DEVICE</li> <li>P - PEDESTAL MTD. DEVICE</li> <li>C - CONDUIT CONNECTED DEVICE</li> <li>S - STANDPIPE</li> </ul> </li> <li>SINGLE POLE SWITCH</li> <li>DOUBLE POLE SWITCH</li> <li>3-WAY SWITCH</li> <li>4-WAY SWITCH</li> <li>DOOR SWITCH</li> <li>KEY SWITCH</li> <li>SWITCH AND PILOT</li> <li>MOMENTARY CONTACT SWITCH</li> <li>DIMMER OR DIMMER CONTROL</li> <li>PUSH BUTTON</li> <li>BUZZER</li> <li>BELL</li> <li>TRANSFORMER</li> <li>FIRE ALARM STATION</li> <li>FIRE ALARM HORN</li> <li>FIRE ALARM BELL</li> <li>FIRE ALARM - DOOR HOLDER</li> <li>THERMAL DETECTOR</li> <li>FIRE ALARM FLOW SWITCH</li> <li>IONIZATION DETECTOR</li> <li>IONIZATION DETECTOR INSTALLED IN DUCT DUCT SIZE</li> <li>CHIME</li> <li>CLOCK OUTLET</li> <li>SPEAKER OUTLET</li> <li>SOUND OR INTERCOM CALL BACK SWITCH</li> <li>SOUND OR INTERCOM VOLUME CONTROL</li> <li>TELEPHONE OUTLET</li> <li>MICROPHONE OUTLET</li> </ul>	<ul style="list-style-type: none"> <li>HOME RUN</li> <li>PANEL NUMBER</li> <li>CIRCUIT NUMBER</li> <li>INDICATES WIRE SIZE IF NOT NOTED #12 AWG CONDUCTORS SHALL BE USED</li> <li>NOTE: ANY CIRCUITS WITHOUT FURTHER DESIGNATION IS A TWO-WIRE CIRCUIT. A GREATER NUMBER OF WIRES ARE INDICATED BY CROSS MARKS</li> <li>ANY SYMBOL MAY BE FURTHER DESIGNATED BY ONE OR MORE OF THE FOLLOWING SUBSCRIPTS:                     <ul style="list-style-type: none"> <li>PS - OUTLET WITH PULL SWITCH</li> <li>WP - WEATHERPROOF OUTLET</li> <li>X - EXISTING OUTLET (DOES NOT APPLY TO EQUIP. OR DEVICE)</li> <li>XC - EXISTING OUTLET TO BE REMOVED OR COVERED WITH A BLANK COVER (DOES NOT APPLY TO EQUIP. OR DEVICE)</li> <li>A - LETTER INDICATES FIXTURE TYPE</li> <li>NUMBER INDICATES CIRCUIT NUMBER</li> </ul> </li> <li>TERMINAL CABINET</li> <li>ANNUNCIATOR</li> <li>BRANCH CIRCUIT PANEL (250V OR LESS)</li> <li>BRANCH CIRCUIT PANEL (277V/480)</li> <li>MAGNETIC MOTOR STARTER</li> <li>DISCONNECT SWITCH</li> <li>DISCONNECT SWITCH &amp; MAGNETIC MOTOR STARTER IN SAME LOCATION</li> <li>MANUAL MOTOR STARTING SWITCH</li> <li>MANUAL MOTOR CONTROL SWITCH</li> <li>MANUAL MOTOR CONTROL SWITCH WITH PILOT</li> <li>THERMOSTAT</li> <li>AUXILIARY EQUIPMENT (AS NOTED)</li> <li>JUNCTION BOX</li> <li>UNDER FLOOR DUCT                     <ul style="list-style-type: none"> <li>LOW POTENTIAL OUTLET</li> <li>HIGH POTENTIAL OUTLET</li> </ul> </li> <li>AUXILIARY SYSTEM CIRCUITS</li> <li>A INDICATES SHIELDED CABLE (SEE SPECS)</li> <li>C INDICATES CABLE ONLY (CONDUIT NOT NEEDED)</li> <li>BRANCH CIRCUIT (CEILING OR WALL)</li> <li>BRANCH CIRCUIT (FLOOR)</li> <li>EXISTING CONDUIT</li> <li>EXISTING CONDUIT, CONDUCTORS REMOVED</li> <li>EXISTING CONDUIT - NEW VENDOR</li> <li>PLUS STRIP - OUTLET SPACING AS SHOWN OR SPECIFIED</li> <li>INDICATES NOTE ON PLAN</li> <li>EQUIPMENT OR APPLIANCE (NO. REFERS TO SCH.)</li> <li>MOTOR (NO. REFERS TO SCHEDULE)</li> <li>INTERCOMMUNICATION STATION OUTLET</li> <li>DRY-TYPE TRANSFORMER - SIZE AS NOTED ON DRAWINGS</li> <li>NURSE CALL STATION</li> <li>LETTER INDICATES TYPE OF STATION</li> <li>NURSE CALL CORRIDOR DOME LIGHT - TWO DCI</li> <li>PROJECTOR OUTLET</li> <li>TELEVISION OUTLET</li> </ul>
---	--



- 1. 4" - 3# 350MCM (277/480V/480V POWER)
  - 2. 4" - WITH TYPE "A" AND TYPE "B" CONTROL CONDUCTORS
  - 3. 1 1/2" - 1# 870 BLDEN & 1# 640 BLDEN AND 1# 12 (PULL WIRE)
  - 4. 1 1/2" - 4# 6 (EMERG - 277/480V/480V)
- 
- 1. 4" - 3# 2 (15KV) AND 1# 4 (600V) - POWER
- 
- 1. 3" - 4# 350MCM (277/480V POWER)
- 
- 1. 1 1/2" - 4# 6 (EMERG - 277/480V/480V)
  - 2. 1 1/2" - 2# 870 BLDEN, 2# 640 BLDEN AND 1# 12 (PULL WIRE)
  - 3. 3" WITH TYPE "B" CONTROL CONDUCTORS, 2# 12 (RETENTION TANK), 2# 12 (REPT AT MANHOLE B AND C) AND 2# 12 (SPARES)
- 
- 1. 4" - 3# 2 (15KV) AND 1# 4 (600V) - POWER
  - 2. 1 1/2" - 2# 870 BLDEN, 2# 640 BLDEN AND 1# 12 (PULL WIRE)
  - 3. 4" WITH TYPE "A" AND "B" CONTROL CONDUCTORS AND 2# 12 (REPT AT MANHOLE B AND C)
- 
- 1. EXIST 4" CONDUIT - INSTALL NEW 3# 2 (15KV) AND 1# 4 (600V)
- 
- 1. EXIST 4" - 3# 2 (15KV) AND 1# 4 (600V) TO REMAIN AS IS
  - 2. EXIST 4" CONDUIT - INSTALL NEW 3# 2 (15KV) AND 1# 4 (600V)
- 
- 1. EXIST 1 1/2" CONDUIT - INSTALL NEW 2# 870 BLDEN, 2# 640 BLDEN AND 1# 12 (PULL WIRE)
  - 2. EXIST 4" CONDUIT - INSTALL NEW CONTROL CONDUCTORS TYPE "A" AND TYPE "B"
- 
- 1. EXIST 4" CONDUIT - INSTALL NEW CONTROL CONDUCTORS TYPE "A" AND TYPE "B"
- 
- 1. EXIST 1 1/2" CONDUIT - INSTALL NEW 2# 870 BLDEN, 2# 640 BLDEN AND 1# 12 (PULL WIRE)
- 
- 1. EXIST 4" - 6# 2 (15KV) AND 2# 4 (600V) TO REMAIN AS IS
  - 2. EXIST 4" CONDUIT - INSTALL NEW 3# 2 (15KV) AND 1# 4 (600V)

NOTE:  
REFER TO DETAIL SHEET FOR CONCRETE ENCASED DUCT DETAIL.

**CONTROL CONDUCTOR SCHEDULE**

TYPE	QUANTITY OF CONDUCTORS AND USE (TYPE THIN CONDUCTORS EXCEPT FOR SHIELDED PAIR)
A	TYPE # 6 SHIELDED (NURSE CALL EFFLUENT ROOM), 2# 12 (COMMON ALARM), 2# 12 (RETENTION TANK CALL FOR EMERGENCY FAILURE), 2# 12 (LOW TEMP ALARM - SCREEN BLDG), 2# 12 (PARKING LOTS - NOTES #3, 9, 10, 11, 12, 13, 15, 16, 17 & 18) AND 12# 12 (SPARES)
B	TANK # 6 SHIELDED (POND LEVEL), 2# 12 (PUMP & BLOWER BLDG LOW TEMP ALARM), 6# 12 (CALL FOR 100% NOTES #4, 5 & 6) AND 16# 12 (PARKING LOTS - NOTES # 1, 2, 3, 4, 5, 6, 7 AND 21) AND 8# 12 (SPARES)
C	TYPE # 6 SHIELDED (POND LEVEL), 2# 12 (PUMP & BLOWER BLDG LOW TEMP ALARM), 6# 12 (CALL FOR 100% NOTES #4, 5 & 6) AND 16# 12 (PARKING LOTS - NOTES # 1, 2, 3, 4, 5, 6, 7 AND 21) AND 8# 12 (SPARES)

**ERIKSEN ELLISON**  
AND ASSOCIATES INC.  
CONSULTING ENGINEERS  
SAINT PAUL, MINNESOTA

# CITY OF SUPERIOR, WISCONSIN DEPARTMENT OF PUBLIC WORKS

## PLANS FOR THE CONSTRUCTION OF CONTRACT 2

### PRELIMINARY TREATMENT IMPROVEMENTS AT THE MAIN WASTEWATER TREATMENT PLANT

CITY OF SUPERIOR

HERBERT W. BERGSON  
MAYOR

CONSOER TOWNSEND & ASSOCIATES

THOMAS L. NOERENBERG, P.E.  
NO. E-23049

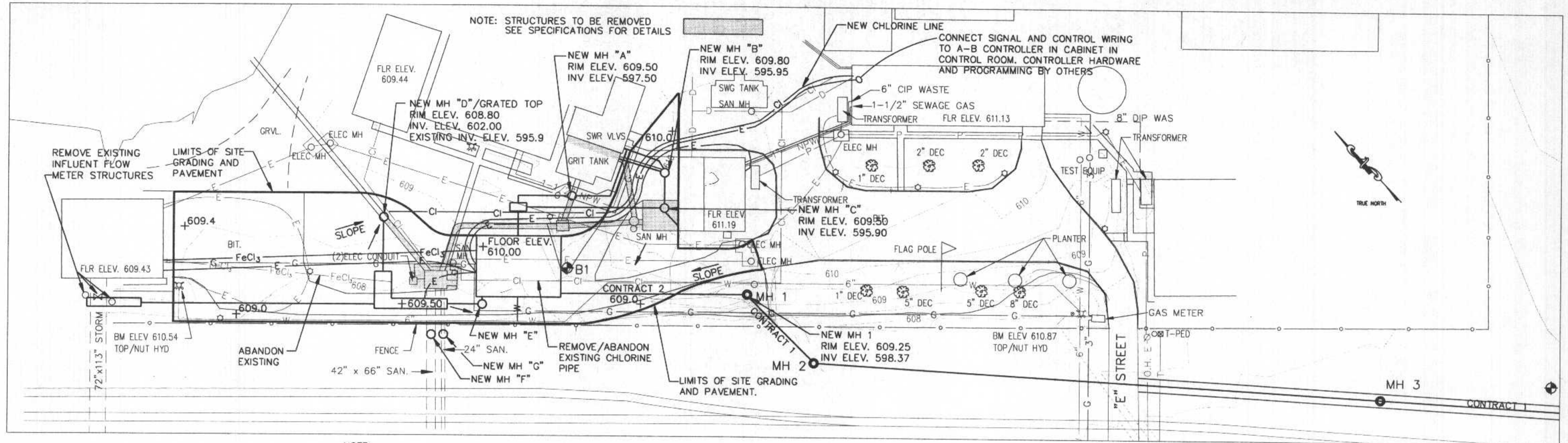
DEPT. OF PUBLIC WORKS

JEFF VITO  
DIRECTOR

MARK DRAKE  
SUPERINTENDENT

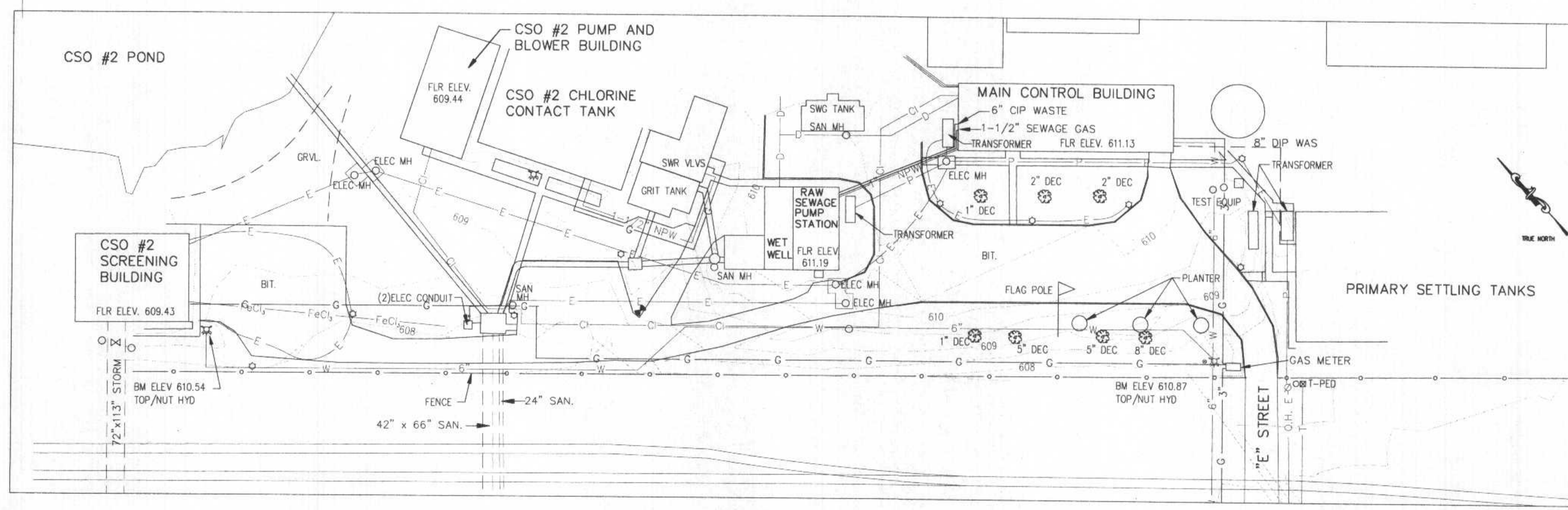
PRELIMINARY

JUN 17 1994



NOTE:  
CONSTRUCTION OF CONTRACT NO. 1 INCLUDES ALL PIPING AND STRUCTURES BETWEEN MANHOLE 1 AND DIVERSION STRUCTURE IN EAST 2ND STREET.  
CONTRACT NO. 2 WILL INCLUDE THE PIPING BETWEEN THE NEW SCREEN BUILDING AND MANHOLE 1 ON THE PLANT SITE.

PROPOSED SITE PLAN



LEGEND

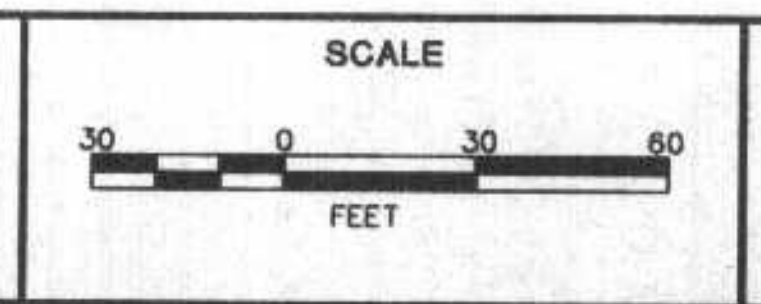
NON-POTABLE PLANT WATER	NPW
CAST IRON PIPE	C.I.P.
DUCTILE IRON PIPE	D.I.P.
WASTE ACTIVATED SLUDGE	WAS
WROUGHT IRON PIPE	W.I.
PRIMARY SERVICE DUCT	- P -
ELECTRICAL	- E -
CHLORINE LINE	- Cl -
WATER	- W -
GAS	- G -
FORCEMAIN SEWER	- FM -
SANITARY SEWER	- S -
PROPOSED RELIEF SEWER	- R -
PROPOSED GRADE ELEVATION	- 610.00 -
PROPOSED GAS	- G -

EXISTING SITE PLAN

J:\3899-00\PLAN\15-11-15.TST.DWG. Plotted on 6/16/1994 8:01 AM by ACD/1

NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			

DESIGNED TN  
DRAWN LED  
CHECKED  
DATE APRIL, 1994



DEPARTMENT OF PUBLIC WORKS  
CITY OF SUPERIOR, WISCONSIN

CONSOB & ASSOCIATES  
ENGINEERING PLANNING MANAGEMENT  
2855 ANTHONY LANE SOUTH, SUITE 145  
MINNEAPOLIS, MN. 55416-3285

SUPERIOR WASTEWATER TREATMENT PLANT  
UNDERGROUND UTILITY SITE MAP

SHEET OF SHEETS  
RECORD MAP NO. CT&A PROJECT NO. 3899-00

# CITY OF SUPERIOR, WISCONSIN DEPARTMENT OF PUBLIC WORKS

## PLANS FOR THE CONSTRUCTION OF CONTRACT 5

### OPERATIONS BUILDING MODIFICATION AND ADDITION

CITY OF SUPERIOR

CONSOER TOWNSEND ENVIRODYNE ENGINEERS

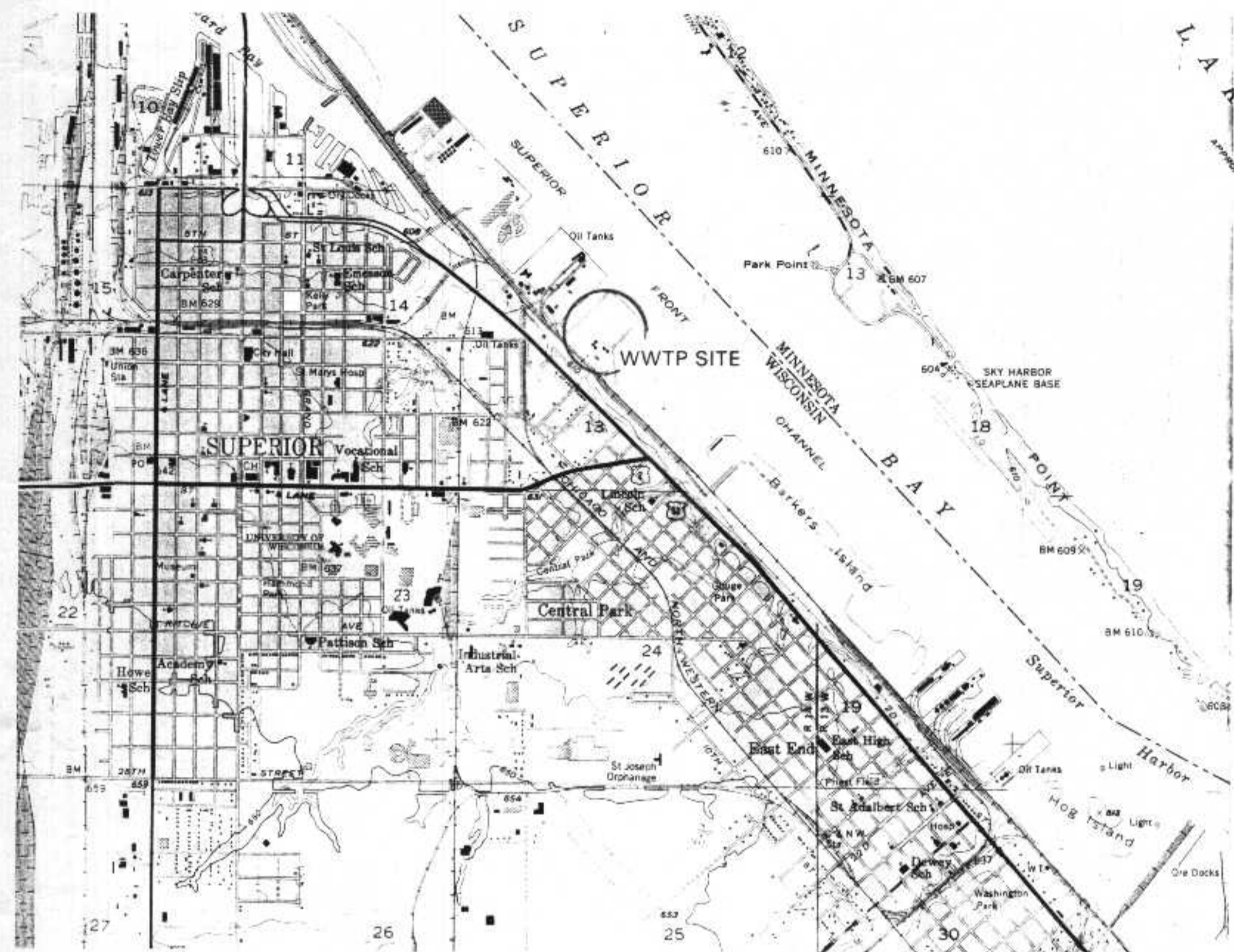
DEPT. OF PUBLIC WORKS

MARGARET CICCONE  
MAYOR

*Jeff C. Cook*  
JEFF C. COOK, P.E.  
NO. E-26997

JEFF VITO  
DIRECTOR





LIST OF CONTRACT DRAWINGS

Sheet No.	Title
-	COVER SHEET
G-1	LOCATION MAP, SHEET INDEX
G-2	SITE PLAN
A-1	DEMOLITION PLAN EXISTING BUILDING
A-2	PLAN - FIRST FLOOR
A-3	PLAN - SECOND FLOOR
A-4	EXTERIOR ELEVATIONS
A-5	EXTERIOR ELEVATIONS
A-6	BUILDING AND STAIR SECTIONS
A-7	WALL SECTIONS
A-8	DETAIL SHEET
A-9	INTERIOR ELEVATIONS
A-10	ROOF PLAN & DETAILS
A-11	SCHEDULES, DETAILS, DOOR & WINDOW TYPES
F-1	SECOND FLOOR FURNITURE PLAN
S-1	STRUCTURAL FOUNDATION PLAN
S-2	STRUCTURAL SECOND FLOOR FRAMING PLAN
S-3	STRUCTURAL ROOF FRAMING PLAN
S-4	STRUCTURAL BUILDING SECTIONS
S-5	STRUCTURAL SECTION AND DETAILS - SHEET 1
S-6	STRUCTURAL SECTION AND DETAILS - SHEET 2
S-7	STRUCTURAL TYPICAL FOUNDATION DETAILS - SHEET 1
S-8	STRUCTURAL TYPICAL FOUNDATION DETAILS - SHEET 2
S-9	GENERAL NOTES & COLUMN SCHEDULE
MPL-1	HVAC & PLUMBING - LEGEND & SYMBOLS
PL-1	FIRST FLOOR PLAN PLUMBING
PL-2	SECOND FLOOR PLAN PLUMBING
PL-3	PLUMBING PIPE SPACE PLAN & WATER DISTRIBUTION DIAGRAM
PL-4	PLUMBING DIAGRAMS
PL-5	PLUMBING DETAILS
M-1	FIRST FLOOR PLAN HVAC
M-2	SECOND FLOOR PLAN HVAC
M-3	MECHANICAL SCHEDULES
E-1	ELECTRICAL FIRST FLOOR PLAN LIGHTING
E-2	ELECTRICAL FIRST FLOOR PLAN POWER
E-3	ELECTRICAL SECOND FLOOR PLAN LIGHTING
E-4	ELECTRICAL SECOND FLOOR PLAN POWER
E-5	ELECTRICAL SCHEDULES
E-6	ELECTRICAL SCHEDULES
E-7	ELECTRICAL RISER DIAGRAM
E-8	ELECTRICAL ABBREVIATIONS AND SYMBOLS

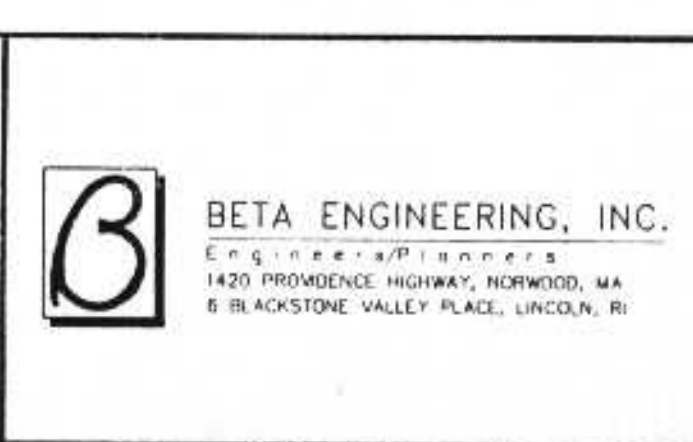
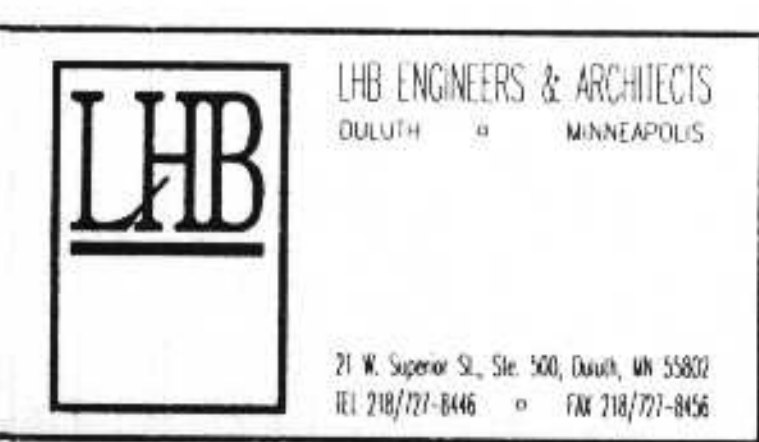
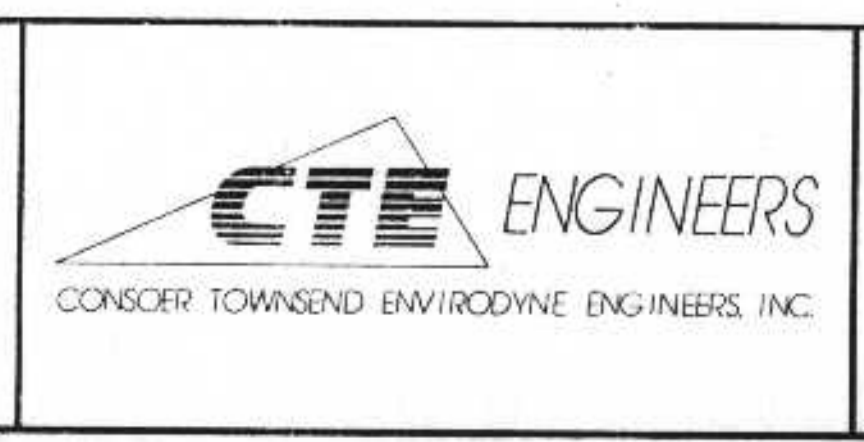
ADDITION AND ALTERATION  
HEATING AND VENTILATING  
BUILDING PLANS  
Conditionally  
**APPROVED**  
DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS  
*Paul A. Miller*  
SEE CORRESPONDENCE  
95-10-0035-B  
11-15-95



NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			

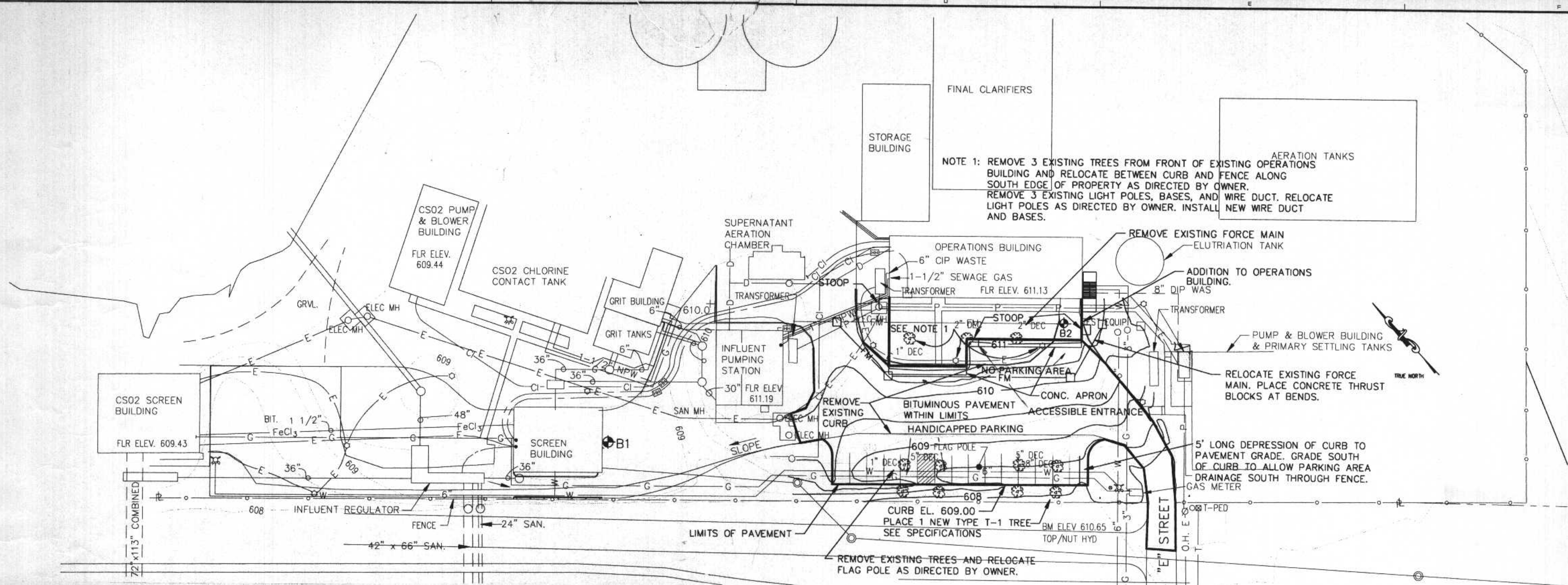
DESIGNED \_\_\_\_\_  
DRAWN \_\_\_\_\_  
CHECKED \_\_\_\_\_  
DATE \_\_\_\_\_

SCALE

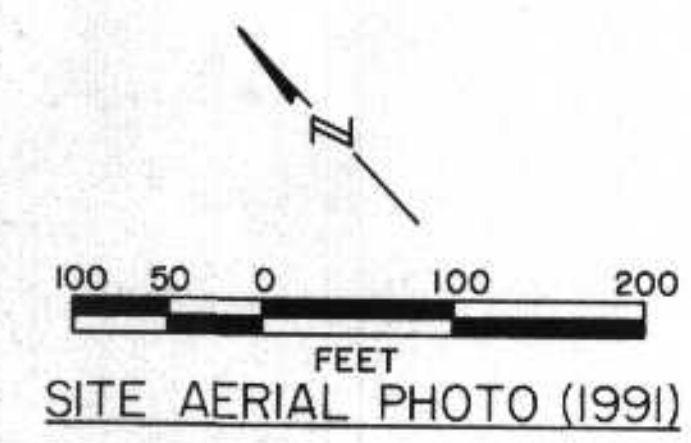
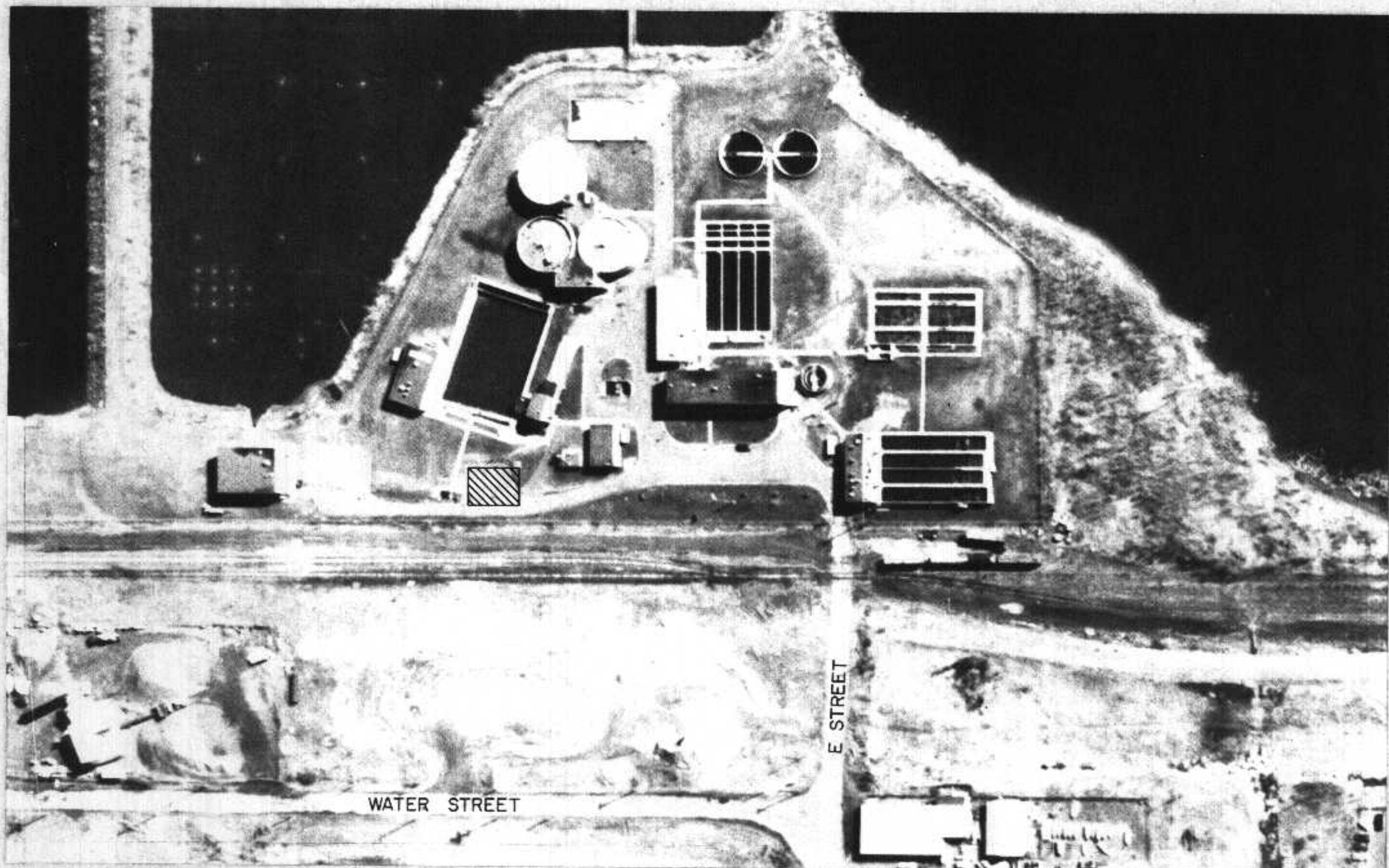


DEPARTMENT OF PUBLIC WORKS  
CITY OF SUPERIOR, WISCONSIN  
OPERATIONS BUILDING MODIFICATION AND ADDITION  
LOCATION MAP AND INDEX OF DRAWINGS

SHEET G-1  
OF 2 SHEETS  
PROJECT NO. 3899-05



NOTE 1: REMOVE 3 EXISTING TREES FROM FRONT OF EXISTING OPERATIONS BUILDING AND RELOCATE BETWEEN CURB AND FENCE ALONG SOUTH EDGE OF PROPERTY AS DIRECTED BY OWNER. REMOVE 3 EXISTING LIGHT POLES, BASES, AND WIRE DUCT. RELOCATE LIGHT POLES AS DIRECTED BY OWNER. INSTALL NEW WIRE DUCT AND BASES.



**LEGEND**

- NON-POTABLE PLANT WATER NPW
- CAST IRON PIPE C.I.P.
- DUCTILE IRON PIPE D.I.P.
- WASTE ACTIVATED SLUDGE WAS
- WROUGHT IRON PIPE W.I.
- PRIMARY SERVICE DUCT — P —
- ELECTRICAL — E —
- CHLORINE LINE — CI —
- WATER — W —
- GAS — G —
- DRAIN — D —
- FORCEMAIN SEWER — FM —
- SANITARY SEWER — — —
- RELOCATED FORCE MAIN — FM —
- CONCRETE THRUST BLOCKS 2' x 2' x 3'H
- SOIL BORING LOCATION

M:\PROJECTS\3899\3899-05-PL\3899-05-PL SITE.DWG Plotted on 10/25/1995 @ 10:42 A.M. by LDUUBET

NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			

DESIGNED	TN	SCALE
DRAWN	LED	
CHECKED	JC	
DATE		

**CTE ENGINEERS**  
CONSER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.

**LHB** ENGINEERS & ARCHITECTS  
DULUTH • MINNEAPOLIS  
21 W. Superior St., Ste. 500, Duluth, MN 55802  
TEL: 218/727-8416 • FAX: 218/727-8636

**B** BETA ENGINEERING, INC.  
ENGINEERS/PLANNERS  
1420 PROVIDENCE HIGHWAY, NORWOOD, MA  
6 BLACKSTONE VALLEY PLACE, LINCOLN, RI

**DEPARTMENT OF PUBLIC WORKS  
CITY OF SUPERIOR, WISCONSIN**  
OPERATION BUILDING MODIFICATION AND ADDITION  
SITE PLAN

SHEET	G-2
OF	2 SHEETS
PROJECT NO.	3899-05

# CITY OF SUPERIOR

DEPARTMENT OF PUBLIC WORKS

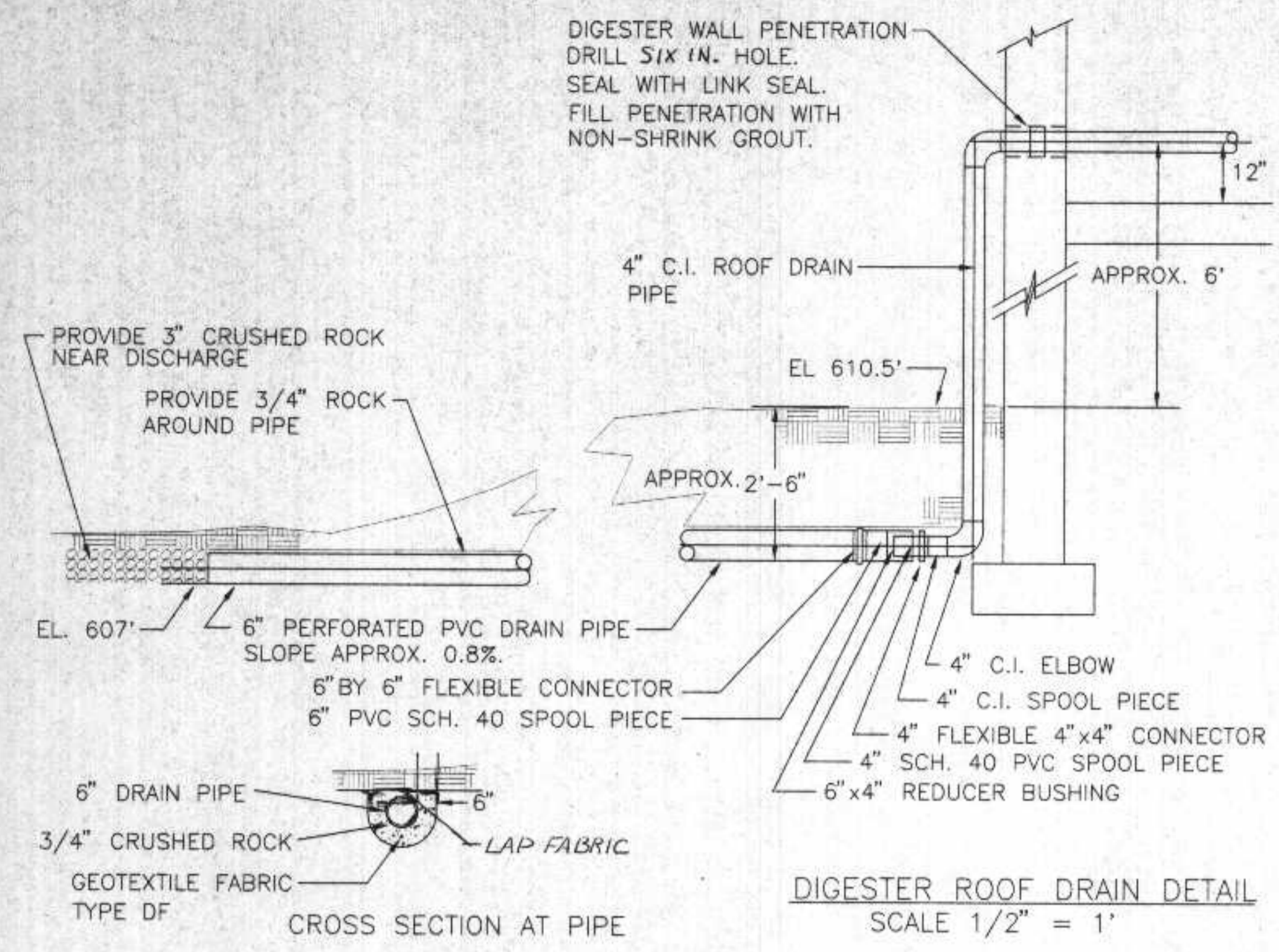
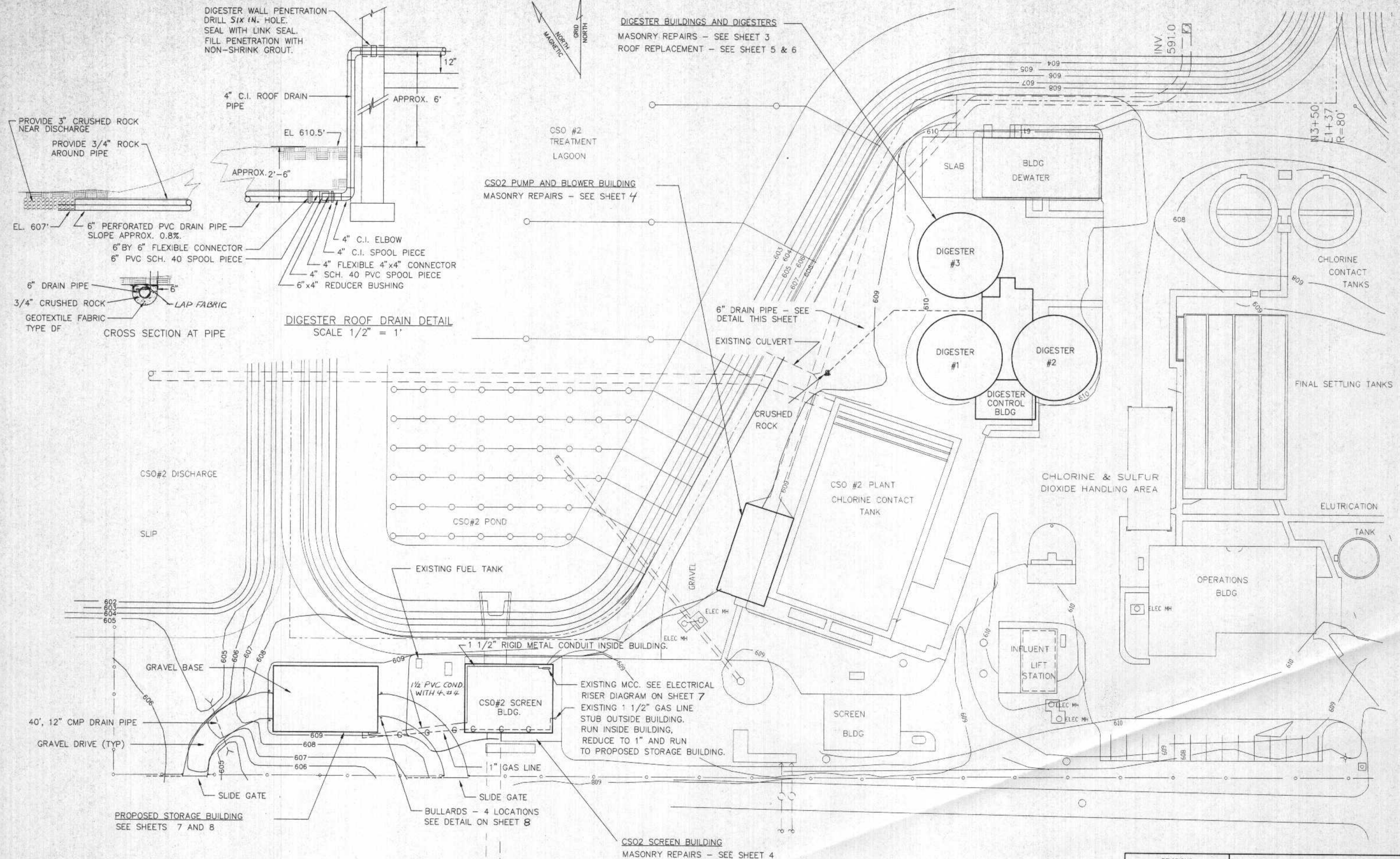
## WWTP STORAGE AND BUILDING IMPROVEMENTS

JUNE, 1998

### BUILDING IMPROVEMENT SHEETS

<u>SHEET NO.</u>	<u>TITLE</u>
1	COVER SHEET
2	SITE PLAN
3	MASONRY RENOVATION - DIGESTERS AND DIGESTER BUILDINGS
4	MASONRY RENOVATION - CS02 SCREEN AND PUMP BUILDINGS
5	ROOF REPLACEMENT PLAN - DIGESTER BUILDINGS
6	ROOF DRAINAGE PLAN - DIGESTER BUILDINGS
7	STORAGE BUILDING PLAN
8	STORAGE BUILDING FOUNDATION

PREPARED BY:  
RMA ENGINEERING COMPANY  
DULUTH, MN.



DIGESTER BUILDINGS AND DIGESTERS  
MASONRY REPAIRS - SEE SHEET 3  
ROOF REPLACEMENT - SEE SHEET 5 & 6

CSO2 PUMP AND BLOWER BUILDING  
MASONRY REPAIRS - SEE SHEET 4

EXISTING MCC. SEE ELECTRICAL  
RISER DIAGRAM ON SHEET 7  
EXISTING 1 1/2" GAS LINE  
STUB OUTSIDE BUILDING.  
RUN INSIDE BUILDING,  
REDUCE TO 1" AND RUN  
TO PROPOSED STORAGE BUILDING.

CSO2 SCREEN BUILDING  
MASONRY REPAIRS - SEE SHEET 4

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED  
BY ME, OR UNDER MY DIRECT SUPERVISION, AND I  
AM A DULY REGISTERED PROFESSIONAL ENGINEER  
UNDER THE LAWS OF THE STATE OF WISCONSIN.

DATE: \_\_\_\_\_ REG. NO.: \_\_\_\_\_

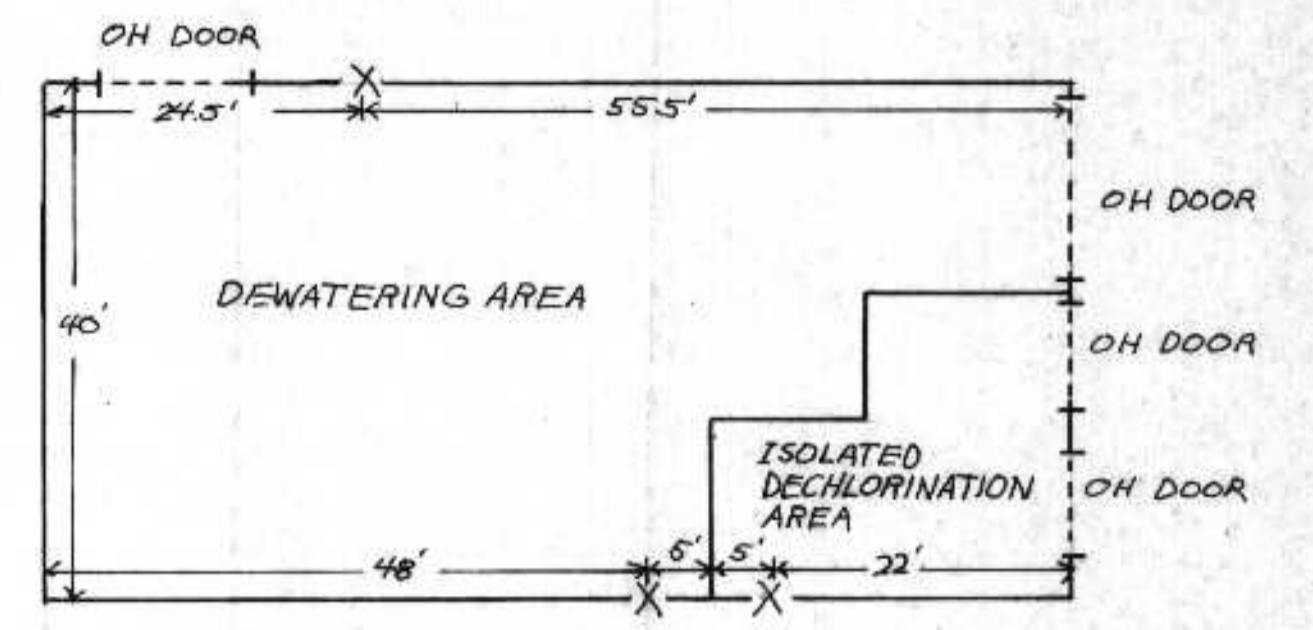
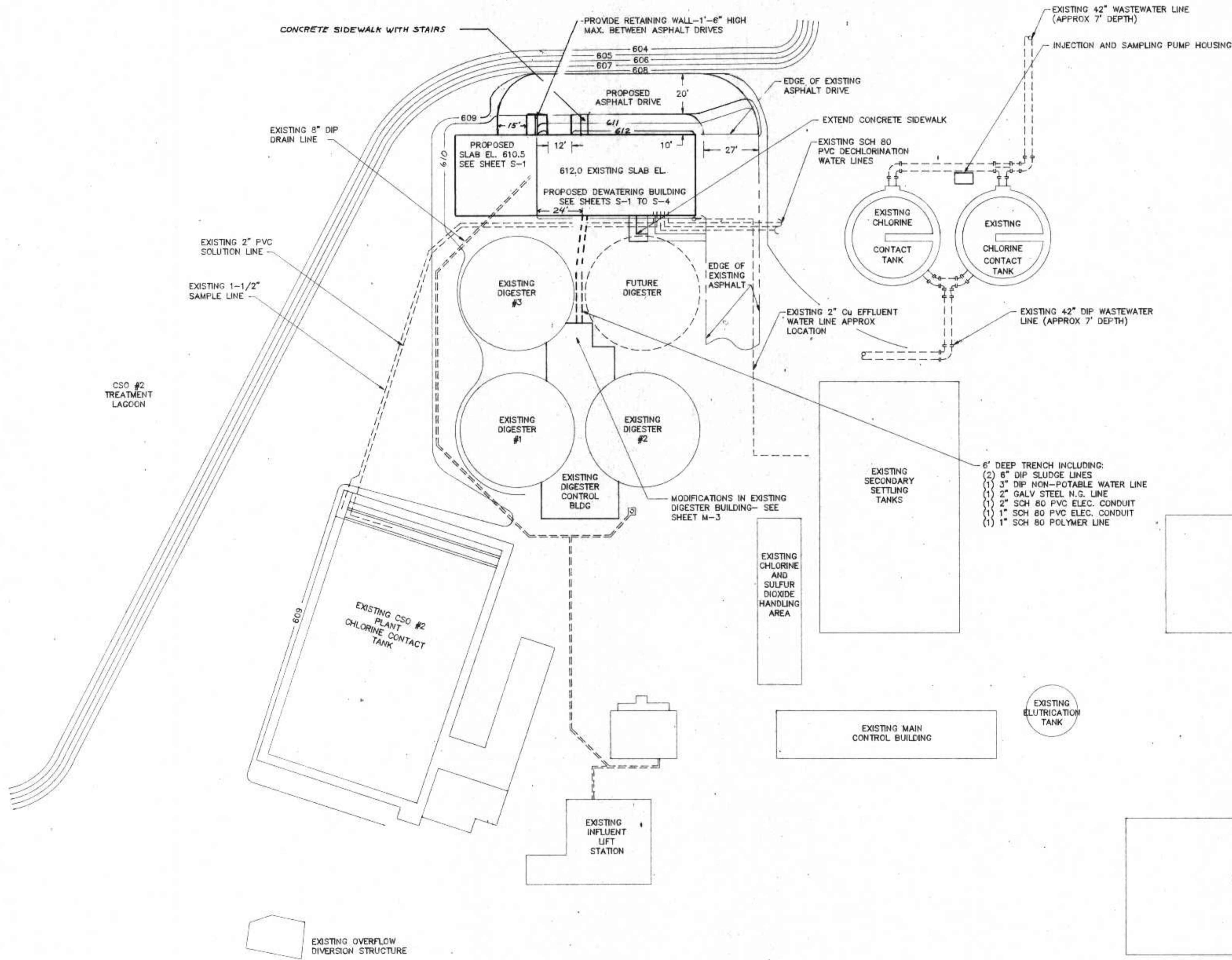
REVISIONS		
NO.	BY	DATE

DESIGNED BY <i>RAM</i>		SCALE 1"=30'
DRAWN BY <i>DMS</i>		DATE
CHECKED BY	CAD FILE	SHEET 2 of 8
APPROVED BY		

WWTP SITE PLAN





X- EXIT DOOR LOCATIONS  
 BUILDING EXIT DIAGRAM  
 Scale 1"=15'

SITE PLAN NOTES

- BUILDING CONTRACTOR RESPONSIBLE FOR CONCRETE WORK, DEWATERING BUILDING, ASPHALT DRIVE EXTENSION, SIDEWALK EXTENSION, NECESSARY RESEEDING AND ASPHALT PATCH AND NECESSARY GRADING WORK.
- MECHANICAL CONTRACTOR RESPONSIBLE FOR PIPE TRENCH AND YARD PIPING.
- ELECTRICAL SUB-CONTRACTOR (UNDER MECHANICAL) RESPONSIBLE FOR OUTSIDE ELECTRICAL DISTRIBUTION- SEE SHEET E-1.
- WORK UNDER THIS CONTRACT SHOWN IN DARK LINE
- ASPHALT DRIVE TO INCLUDE 6" GRAVEL SUBBASE (AS REQUIRED), 3" ASPHALT BASE COURSE, AND 1" ASPHALT SURFACE COURSE.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, AND I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.  
*Richard Anthony*  
 DATE: 6/24/91 REG. NO. 25488

REVISIONS		
NO.	BY	DATE
1	RMA	3/22/91

SITE PLAN

CITY OF SUPERIOR, WISCONSIN  
 WASTE WATER TREATMENT PLANT  
 SLUDGE DEWATERING/HANDLING  
 FACILITIES

DESIGNED BY <i>RMA</i>	SCALE 1"=30'	JOB NO.
DRAWN BY <i>GB</i>	RMA ENGINEERING COMPANY	
CHECKED BY	CONSULTING ENGINEERS	
APPROVED BY	DATE	SHEET C-1

