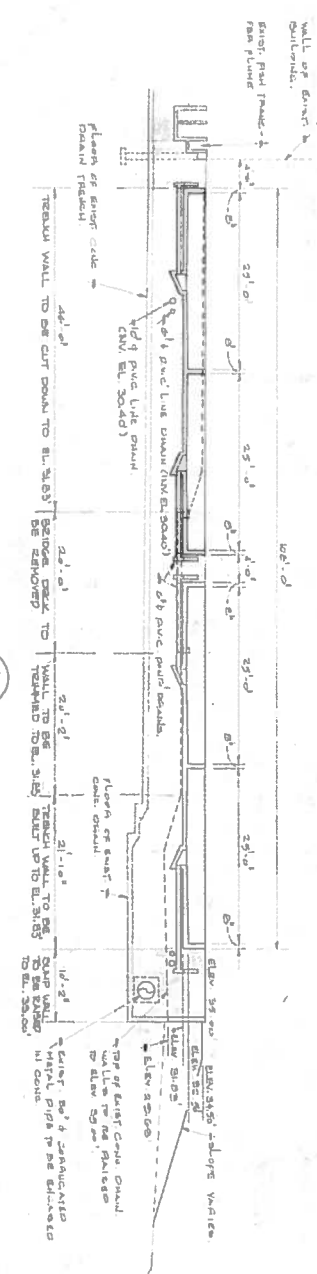
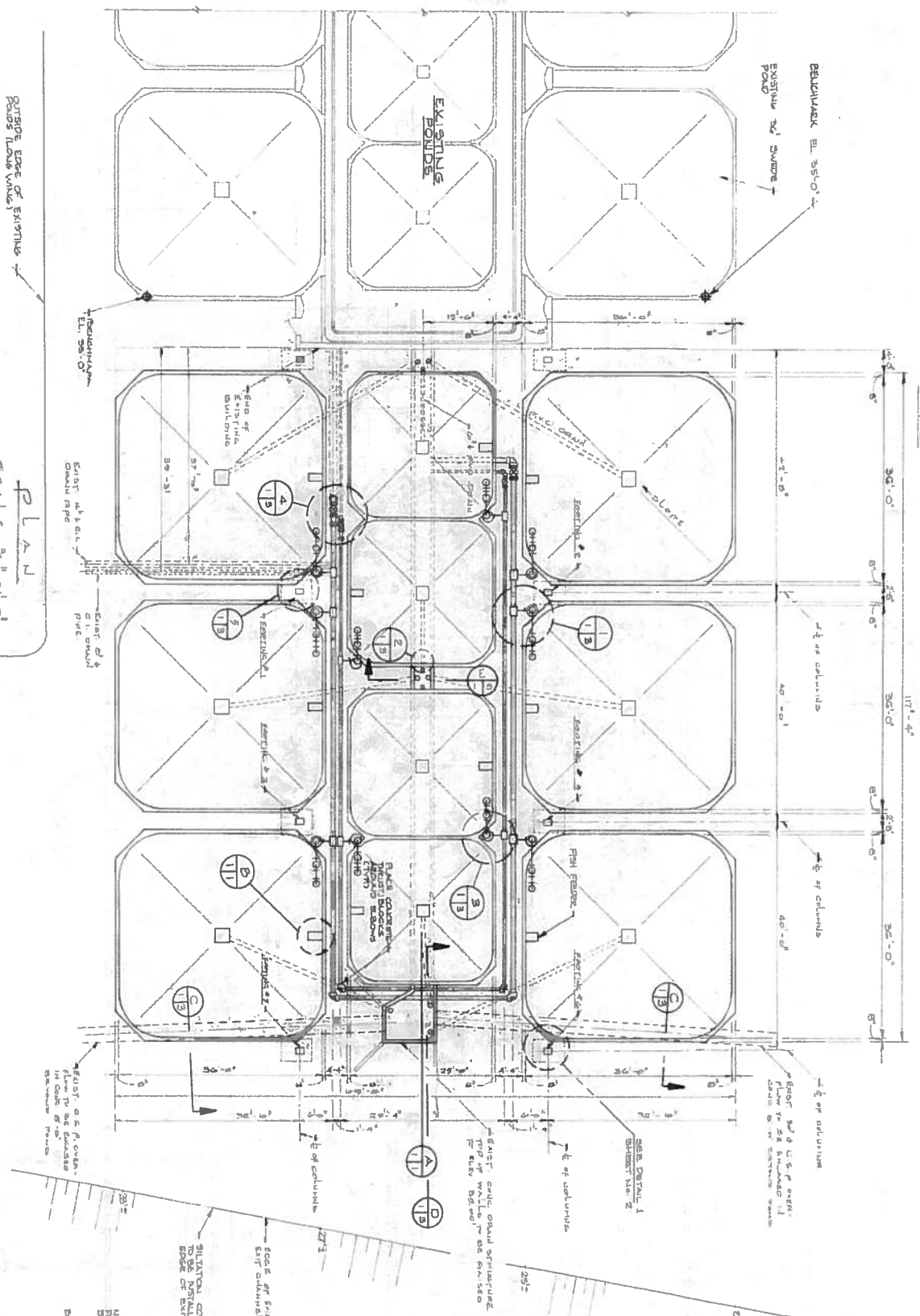


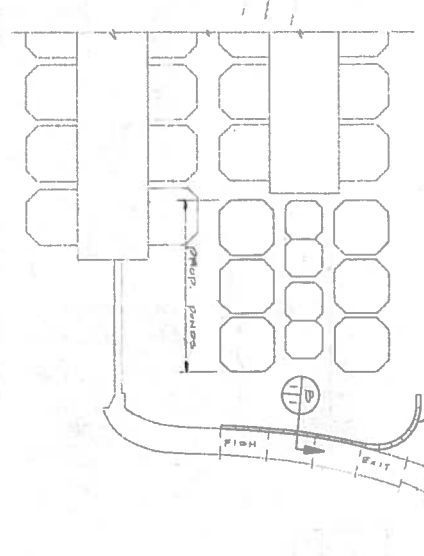
LOCATION PLAN
N.T.S.



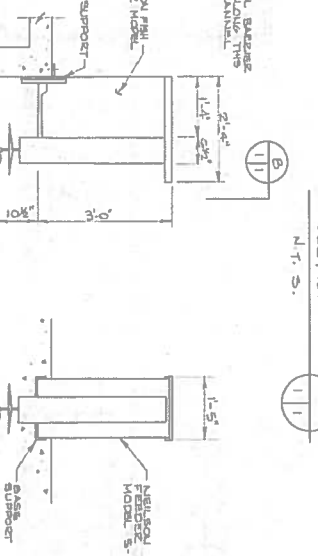
SECTION A
SCALE 3/8" = 1'-0"



PLAN
SCALE 3/8" = 1'-0"



PLAN OF SILT CONTROL
N.T.S.



DETAIL
N.T.S.

SECTION
N.T.S.

No.	revision	date	by
<p>GOVERNMENT OF CANADA FISHERIES AND OCEANS PÊCHES ET OcéANS GESTION DES PÊCHES</p>			
<p>designed by F.L. checked by J.R.C. approved by [Signature] date April 20/1983</p>			
<p>project Mactaquac F.C. Station York Co., N.B. Short Wing Expansion</p>			
<p>drawing plans & section</p>			
sheet No. de la feuille		desg. No. du dessin	
1		M-2694	

1. CONTRACT NUMBER - 21
 CANADA - 6231-1-111
 TO BE THE PROPERTY OF THE
 CONTRACTOR AND NOT TO BE
 REPRODUCED OR COPIED IN
 ANY MANNER WITHOUT THE
 WRITTEN PERMISSION OF THE
 CONTRACTOR.

(4) PROVIDE APPROVED DRAWING FOR THE
 CONTRACTOR TO BE USED FOR THE
 CONSTRUCTION OF THE WORK.
 THE CONTRACTOR SHALL BE
 RESPONSIBLE FOR THE
 ACCURACY OF THE DRAWING.

(5) CONTRACTOR'S APPROVAL SHALL
 BE OBTAINED FOR ALL
 MATERIALS AND METHODS
 USED IN THE WORK.

2. STRUCTURAL STEEL SHALL BE
 PROVIDED BY THE CONTRACTOR.
 THE CONTRACTOR SHALL
 BE RESPONSIBLE FOR THE
 CONNECTIONS TO THE
 EXISTING STRUCTURE.

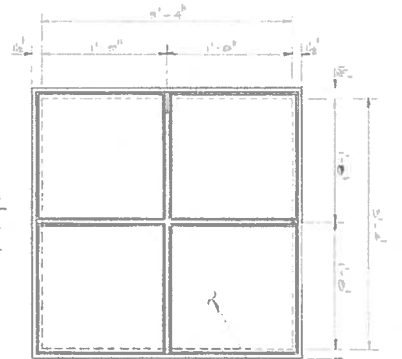
No.	Revisions	Date	By
1	ISSUED FOR PERMITS		
2	ISSUED FOR PERMITS		
3	ISSUED FOR PERMITS		

DESIGNED BY F.L.
 CHECKED BY J.R.C.
 APPROVED BY J.R.C.
 APPROVED FOR DEPARTMENT
 APPROVED FOR DEPARTMENT
 DATE APRIL 20, 1983

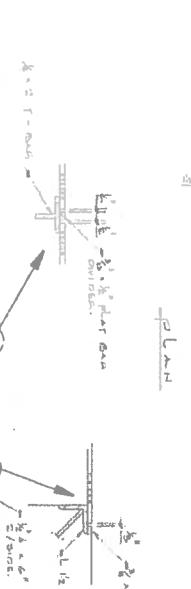
PROJECT:
 MACTAGUAC F. C. STATION
 YORK CO., N. B.
 SHORT WING EXPANSION

PLANS, SECTIONS & DETAIL

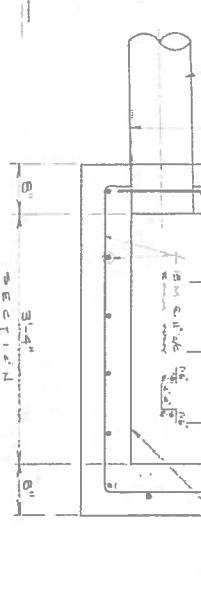
Sheet No. 2
 2
 M-2694



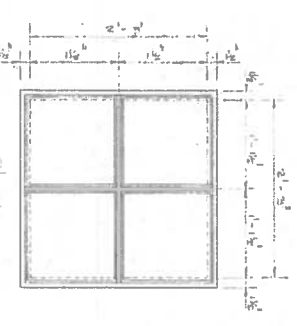
SECTION B
 SCALE 1/2" = 1'-0"



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



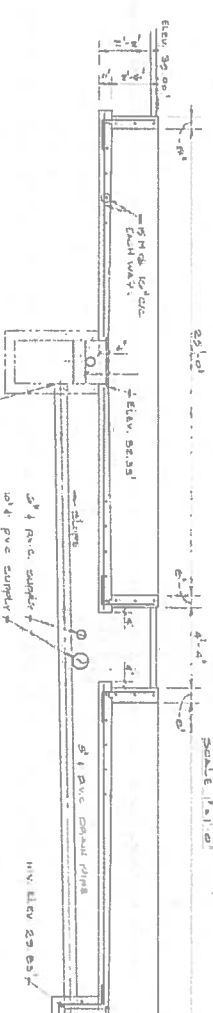
SECTION D
 SCALE 1/2" = 1'-0"



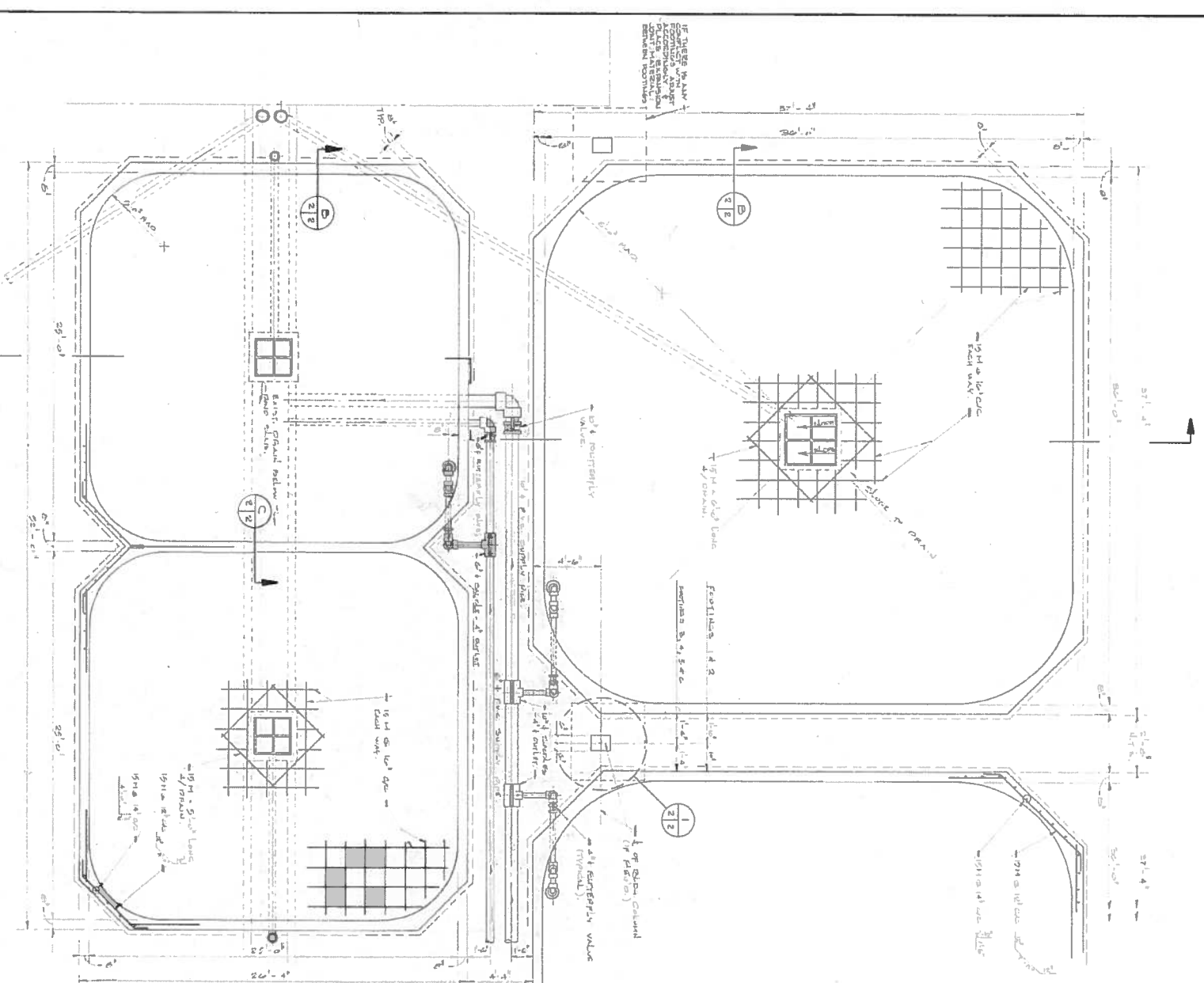
SECTION E
 SCALE 1/2" = 1'-0"



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



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



PLAN
 SCALE 1/4" = 1'-0"

(1) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND ALL APPLICABLE MUNICIPAL BY-LAWS AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND ALL APPLICABLE MUNICIPAL BY-LAWS AND ORDINANCES.

(2) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND ALL APPLICABLE MUNICIPAL BY-LAWS AND ORDINANCES.

(3) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL HEALTH DEPARTMENT AND ALL APPLICABLE MUNICIPAL BY-LAWS AND ORDINANCES.

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED SHALL BE IN METERS. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.

NO.	REVISIONS	DATE	BY	PER
1	ISSUED FOR PERMITS	04/18/83	JRC	
2	ISSUED FOR PERMITS	04/18/83	JRC	

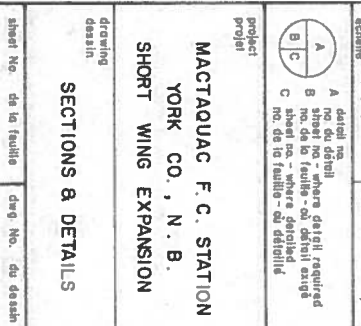
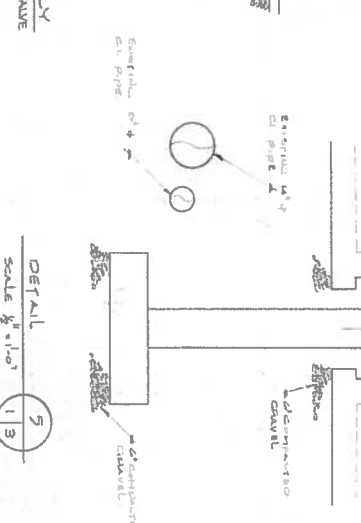
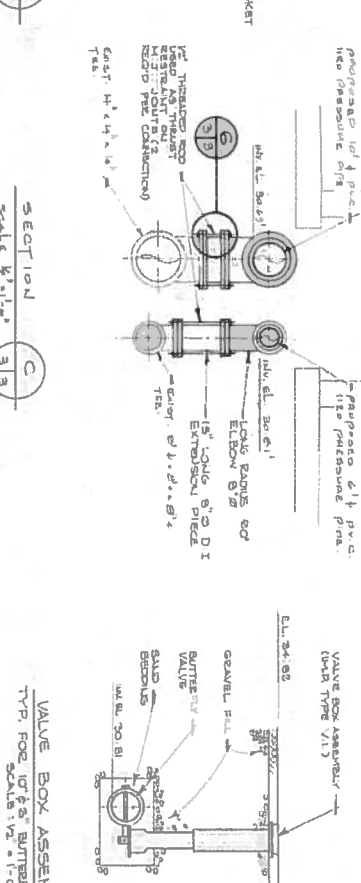
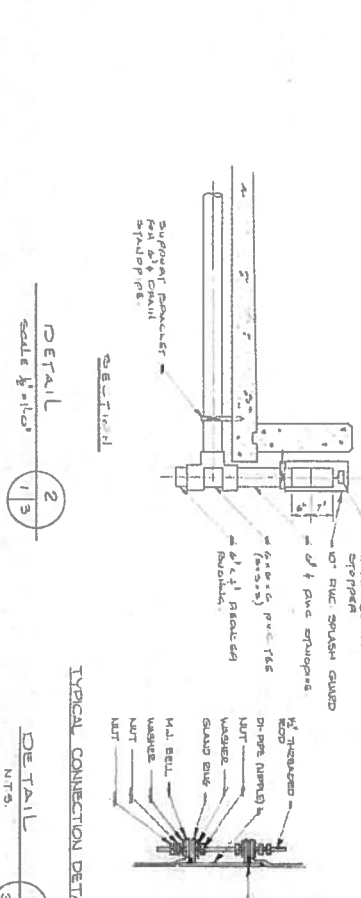
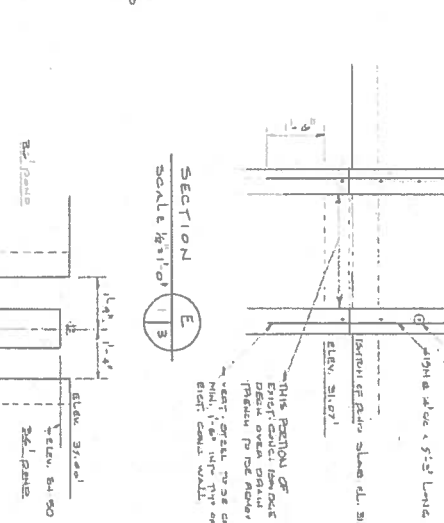
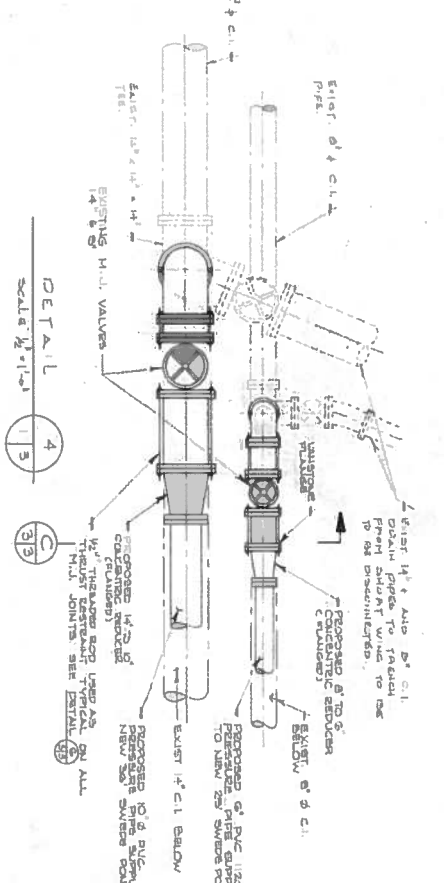
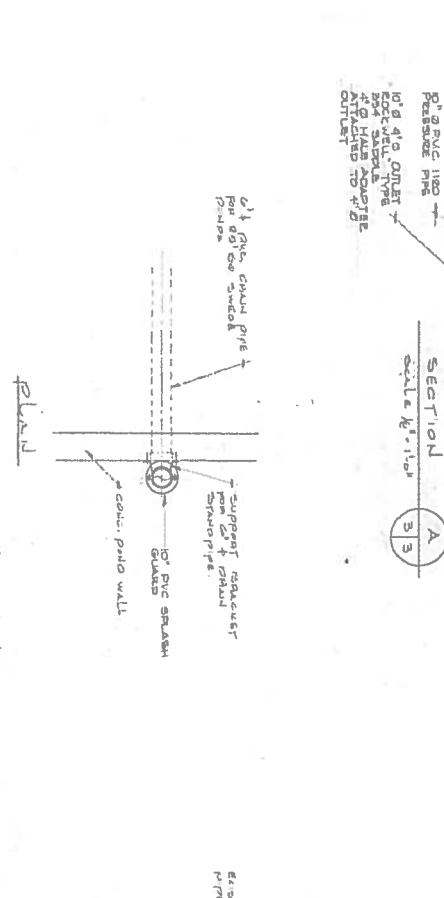
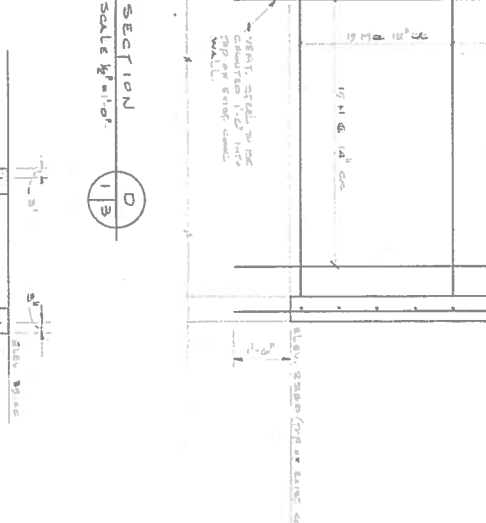
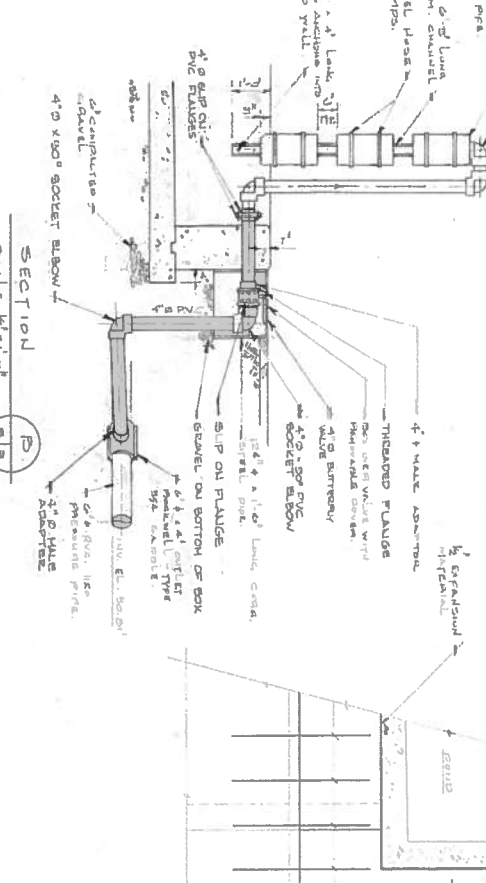
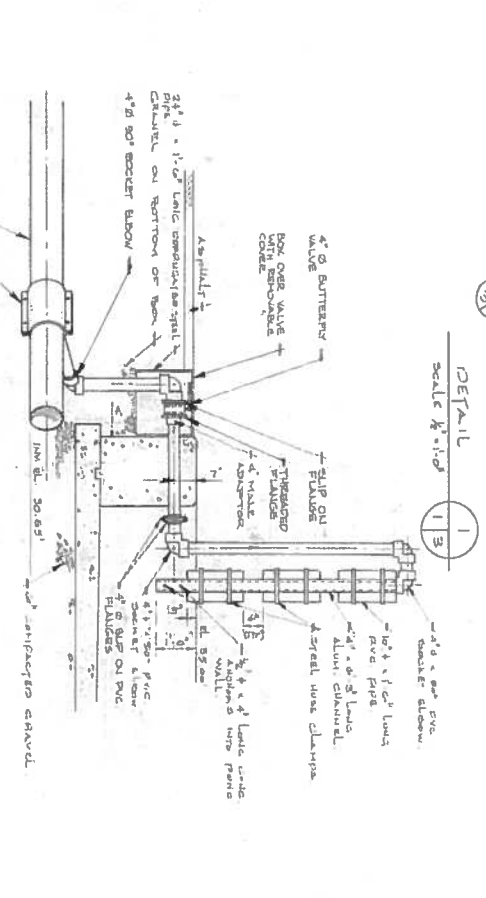
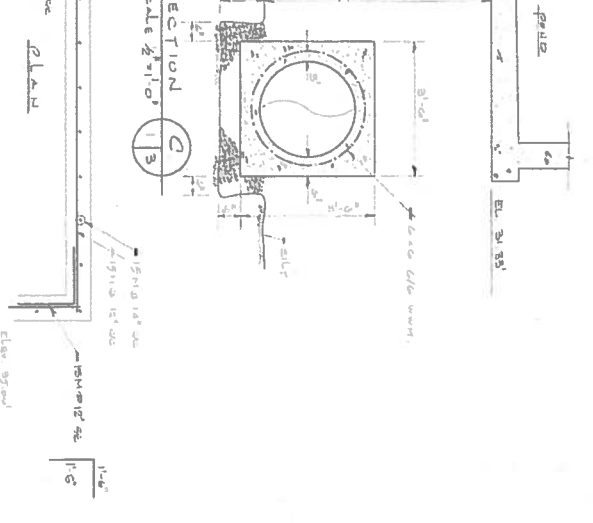
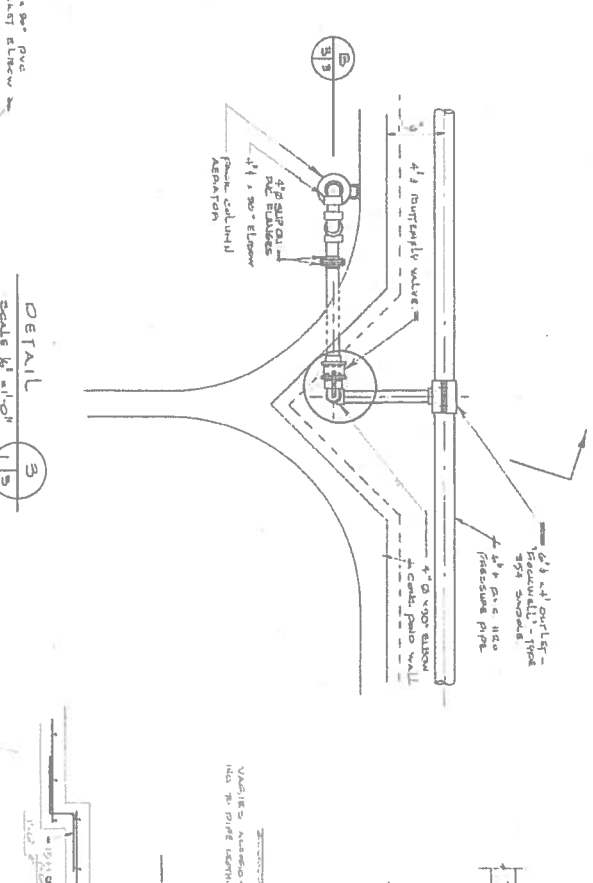
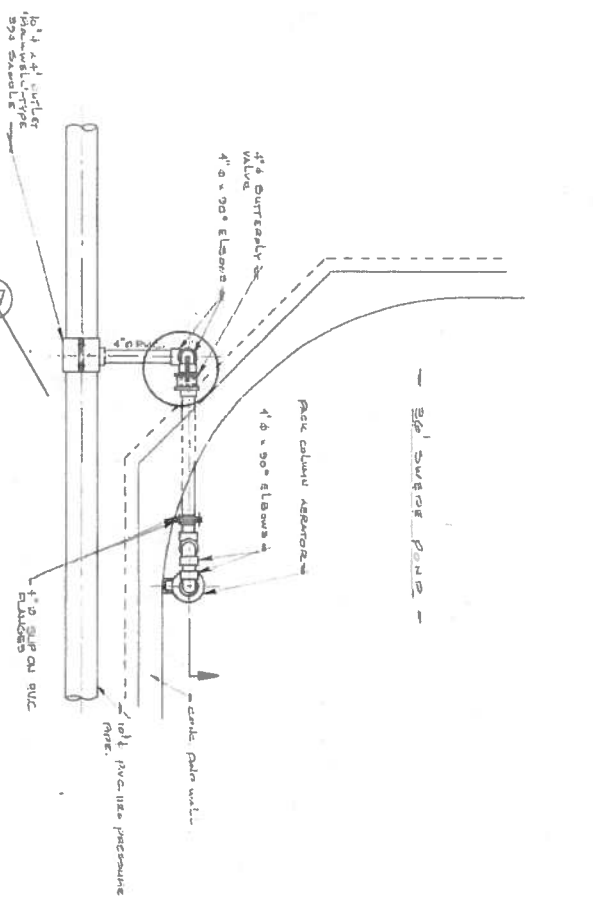
GOVERNMENT OF CANADA
 FISHERIES AND OCEANS
 FISHERIES MANAGEMENT
 GOUVERNEMENT DU CANADA
 PÊCHES ET OcéANS
 GESTION DES PÊCHES

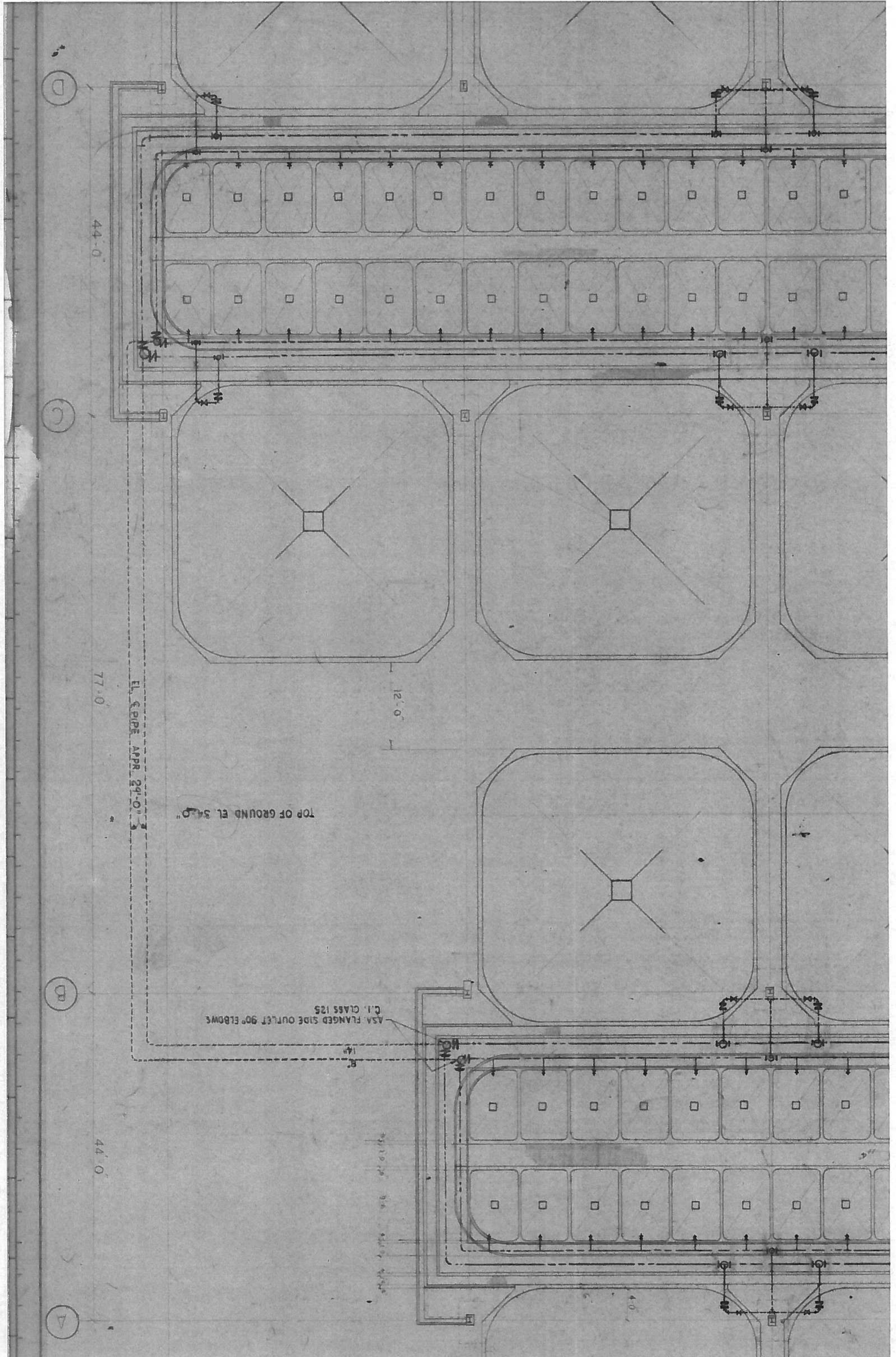
consultant
 expert - conseil
 MACTAGUAC F. C. STATION
 YORK CO., N. B.
 SHORT WING EXPANSION

designed by F.L.
 drawn by JRC
 checked by JRC
 verified by JRC
 approved by JRC
 date AS SHOWN 20 APRIL 1983

detail no. A no detail
 B show no detail required
 C show no detail required
 no. de la feuille - du détail

SECTIONS & DETAILS
 drawing
 sheet No. de la feuille 3
 dwg. No. du dessin M-2694





44'-0"

77'-0"

44'-0"

12'-0"

EL. SPIRE APPR. 29'-0"

TOP OF GROUND EL. 34.0"

ASA FLANGED SIDE OUTLET 90° ELBOWS
C.I. CLASS 125

D

C

DP

A

MECHANICAL SPECIFICATION

- PART 1: GENERAL**
1. SUMMARY
 - a. Section Includes:
 - 1. 350mm (14") dia. cast iron pipe with 10mm (3/8") wall thickness and 10mm (3/8") dia. cast iron flanges with 10mm (3/8") thick gaskets.
 - 2. 200mm (8") dia. cast iron pipe with 10mm (3/8") wall thickness and 10mm (3/8") dia. cast iron flanges with 10mm (3/8") thick gaskets.
 - 3. 150mm (6") dia. cast iron pipe with 10mm (3/8") wall thickness and 10mm (3/8") dia. cast iron flanges with 10mm (3/8") thick gaskets.
 - 4. 100mm (4") dia. cast iron pipe with 10mm (3/8") wall thickness and 10mm (3/8") dia. cast iron flanges with 10mm (3/8") thick gaskets.
 - 5. 75mm (3") dia. cast iron pipe with 10mm (3/8") wall thickness and 10mm (3/8") dia. cast iron flanges with 10mm (3/8") thick gaskets.
 - 6. 50mm (2") dia. cast iron pipe with 10mm (3/8") wall thickness and 10mm (3/8") dia. cast iron flanges with 10mm (3/8") thick gaskets.
 - 7. 25mm (1") dia. cast iron pipe with 10mm (3/8") wall thickness and 10mm (3/8") dia. cast iron flanges with 10mm (3/8") thick gaskets.

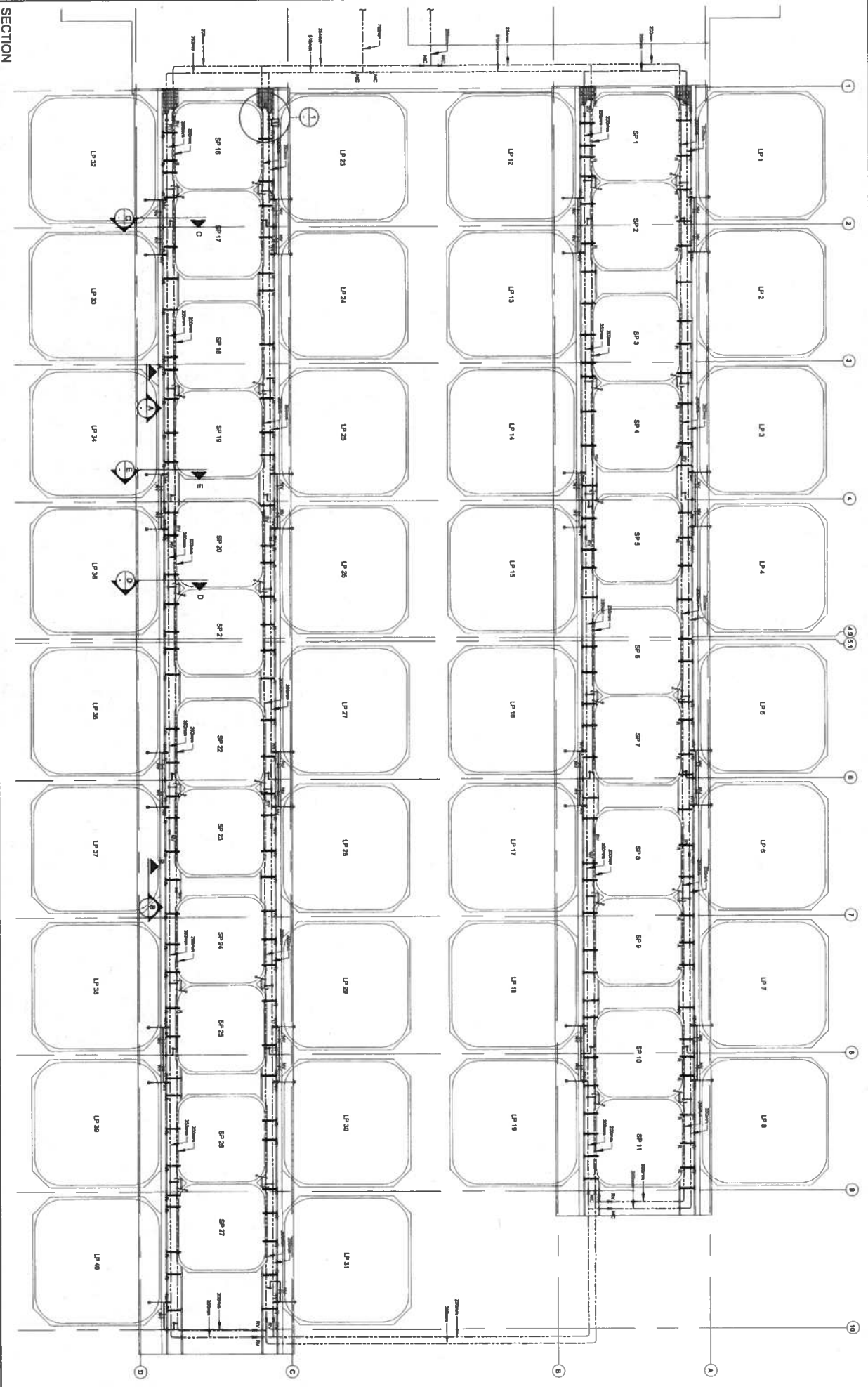
- PART 2: PRODUCTS**
1. Cast Iron Pipe and Flanges:
 - a. Material: Cast Iron
 - b. Standard: ASME B31.1
 2. Gaskets:
 - a. Material: Cast Iron
 - b. Standard: ASME B31.1
 3. Pipe:
 - a. Material: Cast Iron
 - b. Standard: ASME B31.1
 4. Flanges:
 - a. Material: Cast Iron
 - b. Standard: ASME B31.1

- PART 3: EXECUTION**
1. Installation:
 - a. All pipe and flanges shall be installed in accordance with ASME B31.1.
 - b. All pipe and flanges shall be installed in accordance with the manufacturer's instructions.
 2. Testing:
 - a. All pipe and flanges shall be tested in accordance with ASME B31.1.
 - b. All pipe and flanges shall be tested in accordance with the manufacturer's instructions.

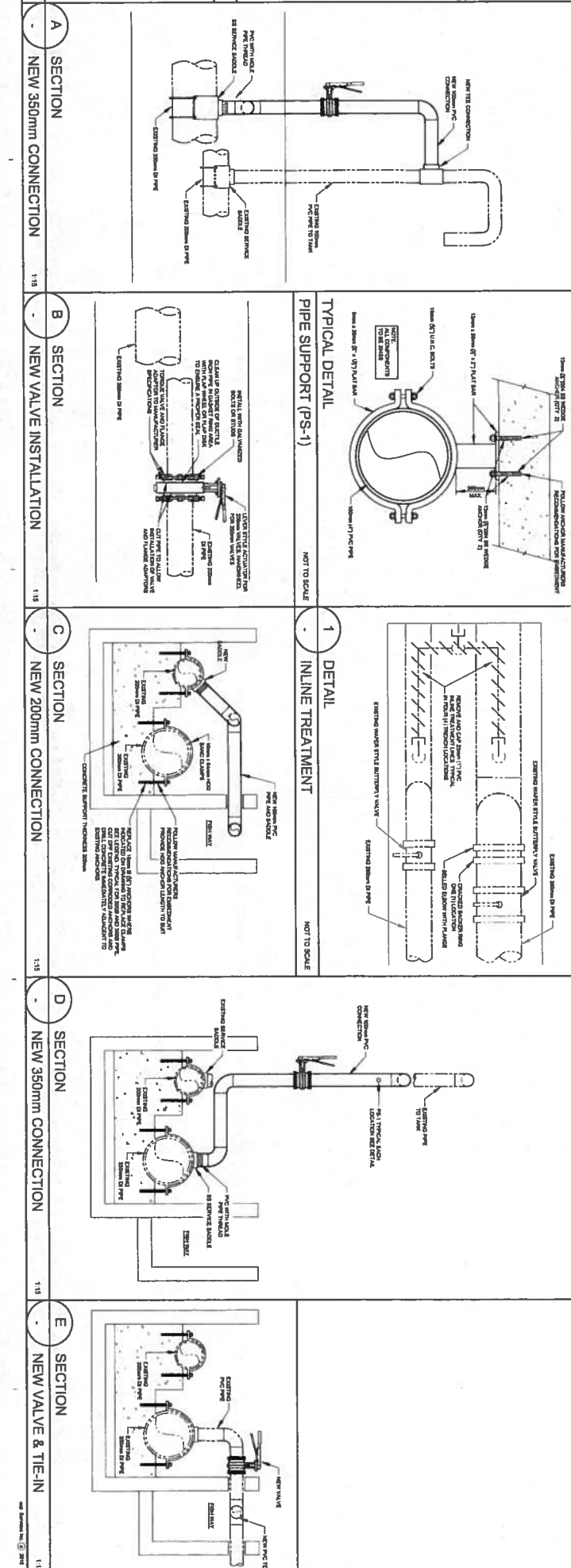
- PART 4: RELATED SECTIONS**
1. Electrical:
 - a. All electrical work shall be installed in accordance with the National Electrical Code (NEC).
 2. Plumbing:
 - a. All plumbing work shall be installed in accordance with the International Plumbing Code (IPC).

LEGEND

SYMBOL	DESCRIPTION
(Symbol)	350mm (14") dia. cast iron pipe
(Symbol)	200mm (8") dia. cast iron pipe
(Symbol)	150mm (6") dia. cast iron pipe
(Symbol)	100mm (4") dia. cast iron pipe
(Symbol)	75mm (3") dia. cast iron pipe
(Symbol)	50mm (2") dia. cast iron pipe
(Symbol)	25mm (1") dia. cast iron pipe



SECTION



RELEASED FOR CONSTRUCTION

Project: VALVE REPLACEMENT MACTAQUAC FISH HATCHERY MACTAQUAC, NB

Drawn by: JMF

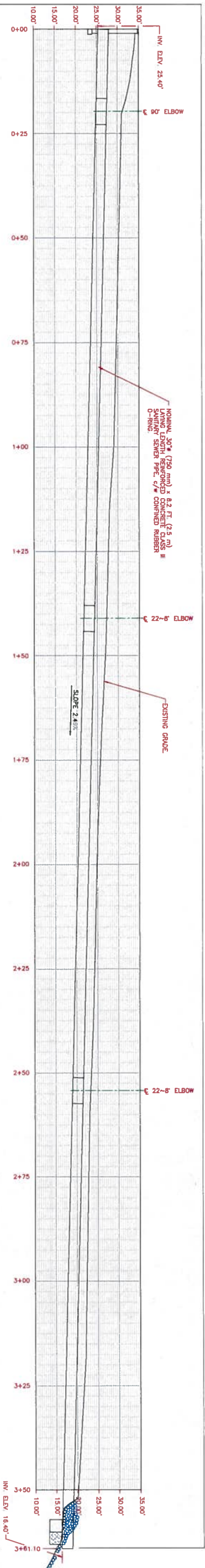
Checked by: JMF

Scale: 1:10

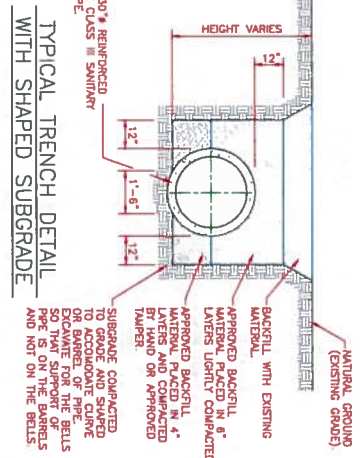
Project No: FRC-00227479-A0

Sheet No: 2200-1

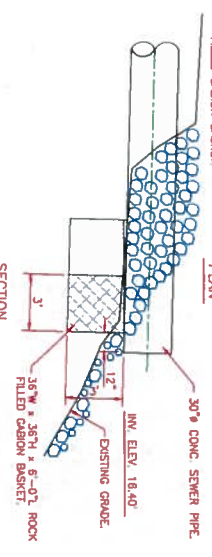
Exp. logo and contact information.



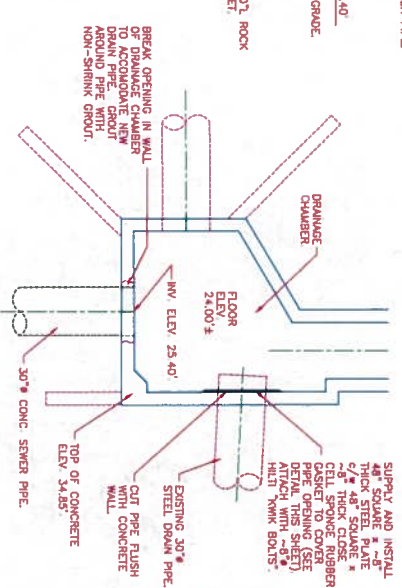
PROFILE
SCALE 1"=10'-0"



TYPICAL TRENCH DETAIL
WITH SHAPED SUBGRADE
SCALE ~6"=1'-0"

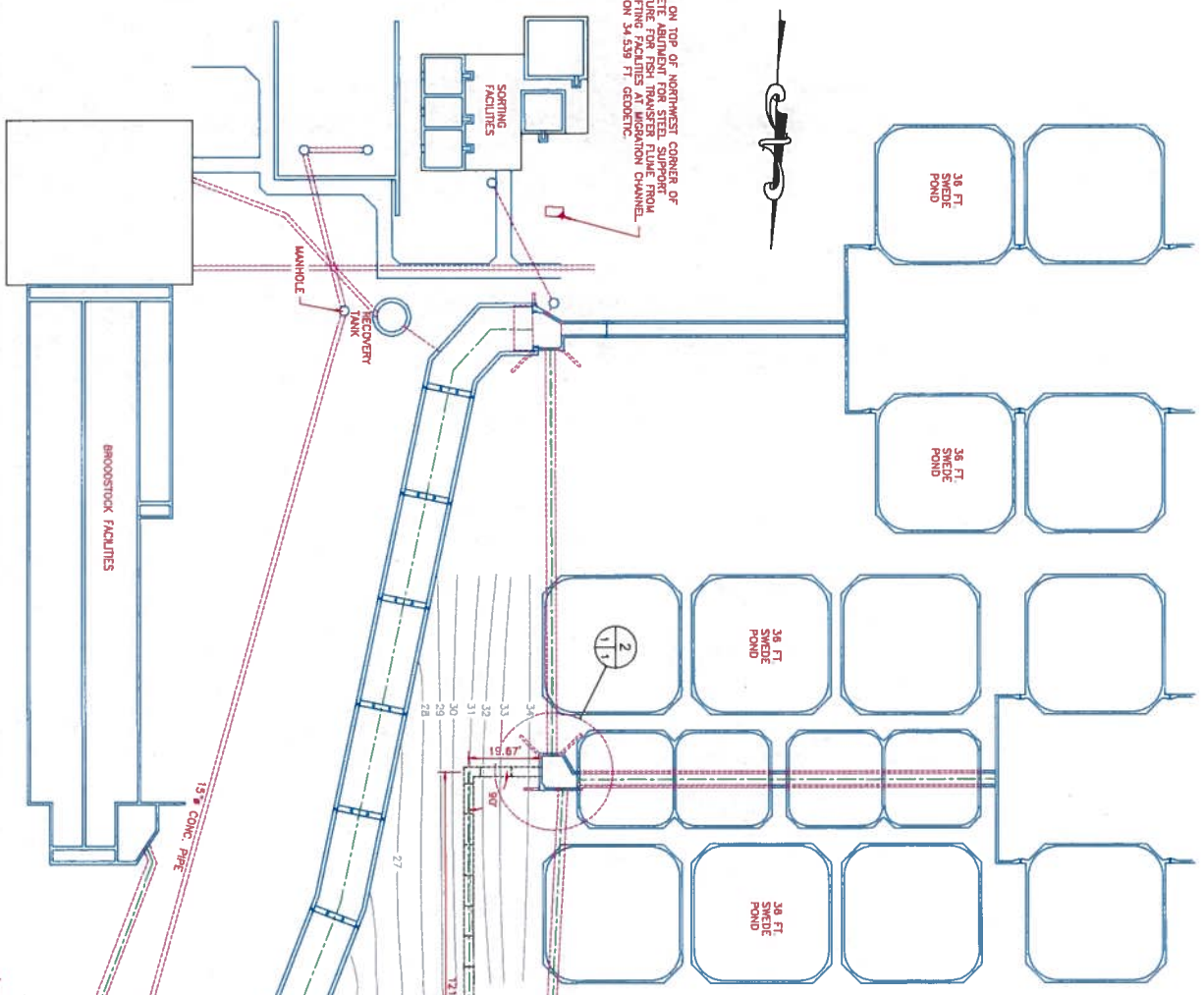


SECTION
SCALE ~4"=1'-0"

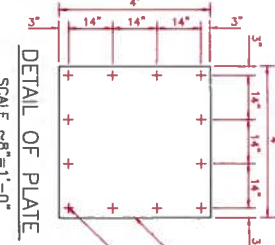


DETAIL
SCALE ~4"=1'-0"

TBM IS ON TOP OF NORTHWEST CORNER OF BRIDGE FROM FISH LIFTING FACILITIES FROM FISH LIFTING FACILITIES AT WARDEN CHANNEL. ELEVATION 34.539 FT GEODETIC.



SITE PLAN
SCALE 1"=20'-0"



DETAIL OF PLATE
SCALE ~8"=1'-0"

NOTES

1. REINFORCER IS ON BASE OF AERATION TOWER. ROOF SOUTH-EAST CORNER. ELEVATION 33.359 FT. GEODETIC.
2. TBM IS ON TOP OF NORTHWEST CORNER OF CONCRETE ABUTMENT FOR STEEL FLUME FROM FISH LIFTING FACILITIES AT WARDEN CHANNEL. ELEVATION 34.539 FT. GEODETIC.

GOVERNMENT OF CANADA
FISHERIES AND OCEANS
GOUVERNEMENT DU CANADA
PÊCHES ET OcéANS

designed by conçu par	HC
drawn by dessiné par	HC
checked by vérifié par	
approved by approuvé par	
dispositionnel approval approbation du département	
scale échelle	AS SHOWN
date	26 OCT 1994

Project
Project

MACTAQUAC F.C. STATION
DRAIN PIPE FROM PONDS
TO RIVER
SITE PLAN

drawing
dessin

sheet no.
feuille no.

1

drawing
dessin

M-4028

REVISIONS
 2 1/2" LINE TO LARGE POND: 78" WALL VALVE
 RELOCATED ONE 2 1/2" BALL VALVE (SEE PLAN) AND 5 1/2" F.I.C.S. #128

SECTION B-B
 SEE DWG 524-628
 SCALE: 1/4"=1'-0"

DEPT. APPROVALS			
DESIGNER	CHECKED	DATE	BY
APR	APR	4/17/67	APR
CIVIL	CIVIL	4/21/67	APR

DATE	20 APRIL 1967	JOB NO.	809-781-8000
DATE	20 APRIL 1967	JOB NO.	809-781-8000

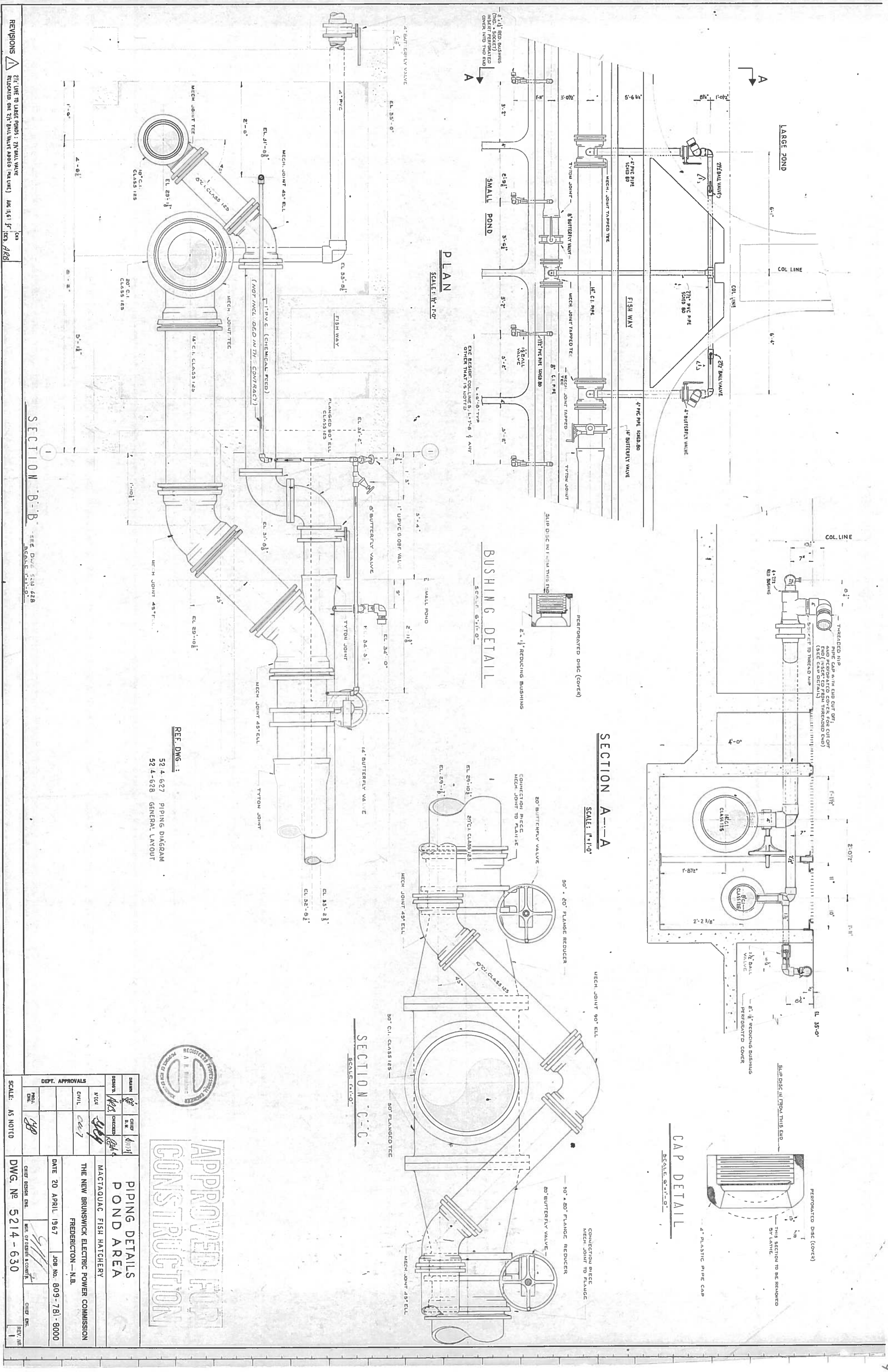
CHIEF DESIGNER	CHIEF ENGINEER
CHIEF DESIGNER	CHIEF ENGINEER

DWG. NO.	5214-630
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APPROVED FOR CONSTRUCTION

MACTAQUAC FISH HATCHERY
 THE NEW BRUNSWICK ELECTRIC POWER COMMISSION
 FREDERICKTON - N.B.

REF. DWG. :
 524-627 PIPING DIAGRAM
 524-628 GENERAL LAYOUT



PLAN
 SCALE: 1/4"=1'-0"

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

SECTION C-C
 SCALE: 1/4"=1'-0"

BUSHING DETAIL
 SCALE: 3/4"=1'-0"

CAP DETAIL
 SCALE: 3/4"=1'-0"

