NORTH

EXIST. AIR RELEASE VALVE

EXIST. CAP & THRUST BLOCK

EXIST. 6"ø PVC WATERMAIN

EXIST. 8"ø CONC. SEWER AND 48"ø MH 70

CONNECTED 2"ø HDPE WATEDER SUPPLY TO EXIST. 6" WATERMAIN SEE DETAIL DWG. 7 CONTRACT 86549B

EXIST. TRAILER

PALLEY ROAD

45° 45° 90°

90° BENDS

CAPPED ENDS OF 10" & 14"ø PVC FORCEMAIN C/W THRUST BLOCK

20' WIDE EASEMENT EXACT LOCATION DETERMINED IN FIELD

2-14"ø AND 1-10"ø FORCEMAINS

45° BENDS C/W THRUST BLOCKS

ACCESS ROAD REMOVED FOR CLARITY SEE 86549B DWG. 1

LIMIT OF CONTRACT

EXISTING HAULING ROAD

14"x14"X14" TEE C/W THRUST BLOCK AND 14"ø GATE VALVE

14"X20" INCREASER

14"x14"X10" TEE C/W THRUST BLOCK AND 14"ø GATE VALVE

14"X20" INCREASER

20"ø 90° BEND C/W CONC. THRUST BLOCK

60"ø MANHOLE INV. IN 40.37; OUT 40.17

12"ø CONC. PIPE DRAINS C/W 45ø BENDS TO MH

CHLORINE CONTACT CHAMBER W.L. 43.0 SEE DETAILS DWG. 4

15' OF 12"ø CONC. PIPE INV. AT MH EL. 34.80 INV. AT CHAMBER EL. 30.37

4"ø PVC BLDG. DRAIN C/W RIP RAP AROUND OUTLET INV. EL. 41.50

2"ø HDPE WATER LINE

INSTALLED 45° BENDS TO SUIT PIPE DIAMETERS C/W THRUST BLOCKS

INSTALLED 285' OF 18"ø CONC. OUTFALL PIPE AT 0.41% SLOPE CONSTRUCT MOUND OF SELECTED BACKFILL MATERIAL OVER OUTFALL PIPE (3' MIN. COVER) MIN. 4' WIDE C/W 3:1 SIDE SLOPES

EXISTING BROOK (MAX. HIGH WATER LEVEL EL. 39.0)

42"ø MANHOLE INV. IN. 35.00 INV. OUT 34.80

18"ø CONC. OUTFALL PIPE INVERT EL. 38.75 FOR DETAIL SEE DRAWING 7

INSTALLED 120' OF 18"ø CONC. PIPE AT 5.0% SLOPE INV. AT OUTLET EL 41.0

2"ø PVC CHLORINE SOLUTION SUPPLIED TO DIFFUSER. INV. EL. 38.7 AT CONTACT CHAMBER WALL

TREATMENT PLANT CONTROL BUILDING SEE DETAILS DWG 5 & 6

INSTALLED 2"ø HDPE WATER LINE. FOR PIPING DETAILS ISIDE BUILDING SEE DWG. 7

(3) 45° BENDS 8" BETWEEN PIPES PROPERTY LINE TO CENTRE LINE OF MIDDLE PIPE IS 7.5'

MAXIMUM LIQUID LEVEL EL 43.5

4:1 SIDE SLOPE TYP. ALL LAGOONS

2' THICK CLAY PATCH OVER THE EXPOSED INSITU SAND LENSE ON THE SLOPES

TOP OF PATCH

TOE OF SLOPE

CELL 3
18.0

FLOOR EL. 20'

FLOOR EL. 18'

2' THICK CLAY PATCH OVER THE EXPOSED INSITU SAND LENSE IN THE FLOOR

14"x14"x14" TEE 3 - 14"ø GATE VALVES AND 3 - 14"x20" INCREASERS THRUST RESTRAINT REQUIRED FOR TEE AND VALVES

PIPE INVERT 42.0

20"ø PVC INLET INV. EL. 36.5

18"ø INLET INV. EL. 42.0

20"ø FORCEMAIN

14"ø FORCEMAINS

10"ø FORCEMAIN

48.0

43.9

43.7

57.3'

50'

50.71'

72.2'

29.2'

SIM.

4:1 SLOPE

TOE OF 3:1 SLOPE

INSTALLED 20"ø FORCEMAIN INLET (LENGTH TO SUIT) INV. EL. 36.5

REPRESENTS FINISHED GRADE ELEVATION

20' WIDE 12" DEEP QUARRY RUN

2' THICK CLAY PATCH OVER THE EXPOSED INSITU SAND LENSE IN THE FLOOR

NEW TOE OF SLOPE

CELL 1
FLOOR EL. 20'

4:1 INTERIOR SIDE SLOPES TYP. ALL LAGOONS

MAXIMUM LIQUID LEVEL EL. 43.5

41.5

8' HIGH CHAIN LINK FENCE TYP.

HAULING ROAD

4:1 SLOPE

TOE OF 3:1 SLOPE

ASPHALT SPILLWAY

48.0 EXIST TOWER

20"ø PVC INLET INV. EL. 36.5

75' OF 8"ø D.I. PIPE AT INV. EL. 41.0 WITH 8"ø GATE VALVE AND BOX

INV. EL. AT SLUICE GATE 42.80

CELL 2
18.0

FLOOR EL. 20'

2' THICK CLAY PATCH OVER THE EXPOSED INSITU SAND LENSE IN THE FLOOR

MAXIMUM LIQUID LEVEL EL. 43.5

30'

69' OF 18"ø CONC. PIPE AT 1.16% SLOPE

EXISTING 125' NSPC RIGHT OF WAY

PROPERTY BOUNDARY

12" THK. QUARRY RUN AT LAGOON INLETS TYP.

EXISTING HAULING ROAD

4' MIN.

3' MIN.

SELECTED BACKFILL MATERIAL

GRANULAR BEDDING MATERIAL

18"ø CONC. OUTFALL PIPE

APPROX. EXIST. GRADE

SECTION A

SCALE: N.T.S.

No.	Description	Date	By
04	RECORD DRAWINGS	APR.8/91	SG
3	ADDED 14"ø FORCEMAIN REVISED INLETS TO LAGOONS	AUG.3/89	JCN
2	ADD 8"ø D.I. PIPE & DELETE 18"ø CONC. PIPE AND REVISE 18"ø PIPE OUTLET TO BLDG.	AUG.3/89	JCN
1	REVISED PIPE ROUTES, INVERTS DIAMETERS AS PER LAGOON MODIFICATIONS	FEB.16/89	JCN
03	ISSUED FOR CONSTRUCTION	NOV.29/88	JCN
02	ISSUED FOR TENDER	OCT.20/88	JCN
01	ISSUED FOR APPROVAL	OCT.20/88	JCN

Revision or Issue

Record drawing

Date Sept. 19 91

Approved J.C.N. Dale P.Eng

MUNICIPALITY OF EAST HANTS
REGIONAL POLLUTION CONTROL SCHEME

PIPING LAYOUT

CBCL Limited
Consulting Engineers

Municipality of East Hants
Date: SEPT. 24/97
Please Note:
⇒ This information is provided for general reference only.
⇒ This is not representative of any other section of piping.
⇒ Changes may have been made since this plan.
⇒ Location should be verified in the field.

Scale 1"=50'

Date	Drawn
SEPT. 1988	D.C.
Designed J.C.N.	Checked J. deC.
Approved	
Contract No 86549B	Sheet of 2/ 9
Drawing No 2	Revision 3