PRIMARY CLARIFIER TANK No.2

PRIMARY CLARIFIER TANK No.3
P126

WALKWAY
P118

WALKWAY
P130

WALKWAY
P130

SERVICE AREA
P132

FAN ROOM
P129

10mm THICK SCREWED DOWN CHKD PLATE COVER. LEVEL WITH FLOOR

500 SQ. ACCESS OPNG. WITH 6mm THICK CHKD PLATE COVER HINGED ON SOUTH SIDE

750 SQ. ACCESS OPNG. WITH 6mm THICK CHKD PLATE COVER HINGED ON NORTH SIDE

300 TH CONC WALL BELOW

REMOVABLE HANDRAIL

14-600 WIDE X 475 DEEP PRECAST CONC TROUGHS FOR DETAILS SEE DWG S110

℄ OF TROUGH SUPPORT BRACKET

1 TONNE MONORAIL (ABOVE)

300 SQ PIER BELOW(3 REQ'D)

200mm CONC SLAB EL 234.390

1-20 T&B EACH SIDE OF OPNG (TYPICAL)

1-15 DIAG (TYP) EACH CORNER

750 SQ ACCESS OPNG WITH 6mm TH CHKD PLATE COVER

CONC CURB

FOR DETAILS & LAYOUT OF STAIR SEE DWG S113

225mm PVC WATERSTOP

FOR DETAILS & LAYOUT OF STAIR SEE DWG S113

200 TH K.O. PANELS BELOW

STAIRWELL P133 FOR DETAILS SEE DWG S113

200X6 STEEL WATERSTOP

400mm WALL BELOW

HANDRAIL-FOR DETAIL SEE DWG S114

20mm EXP JOINT FOR COLS

750 SQ ACCESS OPNG WITH 6mm TH CHKD PL COVER

190x200mm HIGH CONC CURB-FOR LOCATION SEE ARCH. DWGS

200mm CONC SLAB EL 234.390

400mm WALL BELOW

500X1200 OPNG WITH 6mm THICK CHKD PL COVER

750 SQ OPNG WITH 6mm THICK CHKD PL COVER

200X6 STEEL WATERSTOP

STAIRWELL P131 FOR DETAILS SEE DWG S113

TO SUIT MECH EQUIP.

31mm FIBREGLASS PANELS 3600 LONG

200mm WIDE OPNGS WITH 6mm THICK CHKD PL COVER

500 SQ OPNGS WITH 6mm THICK CHKD PL COVER

200mm CONC SLAB EL 234.390

CONC CURB

HANDRAIL-FOR DETAIL SEE DWG S114

FAN OPNGS-SEE MECH DWGS FOR LOCATION AND SIZE (TYP)

1-20 T&B EACH SIDE OF OPNG (TYPICAL)

1-15 DIAG EACH CORNER (TYP)

500 SQ OPNG WITH 6mm THICK CHKD PL COVER

2-20 T&B (TYP)

450X690 OPNG FOR SLIDE GATE (3 REQUIRED)

TO SUIT MECH EQUIP.

2200 HIGH DOOR OPNG

200 TH SLAB EL 234.390

200mm THICK CONC SLAB EL 234.390 WITH 15@300 REINF T&B E.W.

CONC CURB

STACK

SLAB REINF — 1-10M CONT — 10 @ 300

WEIR OPNG BELOW 4500 / 300 / 4500 / 300 / 4500 / 300 / 3530

5545 / 5545 / 5545 / 5545

6290 / 6620 / 6290

664 TYP / 660 TYP

1500 / 4500 / 300 / 2000 / 2000 / 1930 / 600 / 1400 / 1450 / 3000 / 9500 / 13500

19200

52580

2940 / 300 / 2400 / 1000 / 2500 / 3580 / 3650

4842 / 3950 / 5460 / 5460 / 5460 / 5460 / 420 / 5404 / 5404 / 5404 / 5404 / 5404 / 6080

2550 / 1892 / 3750 / 400

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

PLAN ABOVE EL 234.390

6-30Mx2400 DWLS
6-35Mx2400 DWLS
4-35Mx4900 VERTS
2-25Mx2400 DWLS
2-25Mx4900 VERTS
4-35Mx4900 VERTS
2-35Mx2400 SPLICE BARS
2-35Mx3700 VERTS
4-30Mx3890 VERTS
10M @ 300 TIES

6 DETAIL
N.T.S.
TYP FOR COLS E13 ORIGINALLY DESIGNED BY

8-30 DWLS
8-30 VERTS
2-25 DWLS
2-25 VERTS
10@300 TIES (3 SETS)

7 DETAIL
N.T.S.
TYP FOR COLS E1

6-25 DWLS
6-25 VERTS
10@300 TIES (2 SETS)

1 DETAIL
N.T.S.
TYP FOR COLS B15, C15 & D15 (3 REQ'D)

6-25 DWLS
6-25 VERTS
10@300 TIES (2 SETS)

2 DETAIL
N.T.S.
TYP FOR COLS A2 TO A15 (14 REQ'D)

12-30 VERTS (EXTEND FROM BEAM)
2-25 VERTS
2-25M DWLS

3 DETAIL
N.T.S.
TYP FOR COLS E3 TO E12 & E15 (11 REQUIRED)

8-35 DWLS
8-35 VERTS
2-25 DWLS
2-25 VERTS
10@300 TIES (3 SETS)

4 DETAIL
N.T.S.
TYP FOR COL E14 (1 REQ'D)

4-25 DWLS
4-25 VERTS
10@300 TIES

5 DETAIL
N.T.S.
(2 REQUIRED)

AS CONSTRUCTED
DATE OCTOBER /91 BY CJA
APPROVED BY Charles Alliani

B.M. ELEV.			
1	AS CONSTRUCTED	10/91	CJA
0	ISSUED FOR TENDER	08/89	EH
NO.	REVISIONS	DATE	BY

MacLAREN ENGINEERS INC.
WARDROP ENGINEERING INC.
ENGINEERING CONSULTANTS

DESIGNED BY AL | CHECKED BY AL
DRAWN BY RL | APPROVED BY
HOR. SCALE: VERTICAL: 1 : 100 | RELEASED FOR CONSTRUCTION:
DATE AUGUST, 1989 | DATE

ENGINEER'S SEAL — T. Y. A. LEE — REGISTERED PROFESSIONAL ENGINEER — PROVINCE OF ONTARIO

CONSULTANT DRAWING NO. 43525-S103

THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
WATERWORKS, WASTE & DISPOSAL DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
PRIMARY CLARIFIER - STRUCTURAL
PLAN ABOVE EL. 234.390

CITY DRAWING NUMBER
SHEET OF
SEP-242

SEPS242