KEY or DRAWING No. NEP-123

DETAILS

TANK NO. 9 PRIMARY

TANK NO. 10 PRIMARY

TANK NO. 11 PRIMARY

TANK NO. 12 PRIMARY

TANK NO. 1 SECONDARY

TANK NO. 2 SUPERNATANT STORAGE AND SECONDARY

TANK NO. 3 SECONDARY

TANK NO. 4 SECONDARY

TANK NO. 5 SLUDGE AND SUPERNATANT STORAGE

TANK NO. 6 SECONDARY

TANK NO. 7 SLUDGE STORAGE

TANK NO. 8 SECONDARY

LINES IN GALLERY NO. 5 TO CLARIFIER CONTROL BUILDING

4" LINE TO GALLERY NO. 7

LINES TO AND IN GALLERY NO. 7 FROM CONTROL BUILDING

TO VACUUM FILTER

LINES FROM ELUTRIATION BUILDING

SLUDGE TRANSFER PUMPS

SLUDGE RECIRCULATION PUMP

EXISTING SLUDGE TRANSFER PUMPS

AIR RELEASE VALVE

AT HIGH POINT OF PIPING

BUBBLER CONNECTION

WEIR BOX

HEATED TO HERE

HOT F.W.

PROVIDE PIG ENTRY POINT IN NEW BOILER ROOM (COLD ELUTRIATION BUILDING)

12" DIGESTED SLUDGE TO NEW LAGOONS

FOR ACTUAL ELEV. SUBTRACT 0.37 FT.

LEGEND

NEW VALVE
EXISTING VALVE
EXISTING VALVE TO BE SEALED AT THIS POINT
1/2" RELIEF C.W. CONNECTION. PIPE RELIEF TO NEAREST DRAIN.
1 1/2" RELIEF F.W. CONNECTION. PIPE RELIEF TO NEAREST W.R.S. LINE.

LEGEND

NEW LINES
EXISTING LINES REUSED
EXISTING LINES TO BE REMOVED
D.S. — DIGESTED SLUDGE
P.S. — PRIMARY SLUDGE
S.S. — SLUDGE SUCTION
S.T. — SLUDGE TRANSFER
SUP. — SUPERNATANT
S.R. — SLUDGE RECIRCULATION
GAS — GREASE
W.A.S. — WASTE ACTIVATED SLUDGE
D — DECANT LIQUOR
CL(SUP.) — CHLORINE (SUPERNATANT)
CL(S.R.) — CHLORINE (RETURN SLUDGE)
PRESSURE GAUGE
THERMOMETER

REVISIONS

No.	DATE	DETAIL

AS BUILT

PROVINCE OF MANITOBA — J. W. MacLAREN — REGISTERED ENGINEER

PROVINCE OF MANITOBA — J. L. GREER — REGISTERED ENGINEER

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS AND WASTE DISPOSAL DIVISION

NORTH END SEWAGE TREATMENT PLANT

CONTRACT A - DIGESTION GALLERIES MECHANICAL SLUDGE FLOW DIAGRAM

JAMES F. MacLAREN LIMITED ENGINEERS TORONTO

W.L. WARDROP ASSOCIATES (MANAGEMENT) LIMITED ENGINEERING CONSULTANTS WINNIPEG

APPROVED
ENGINEER OF DIVISION
ENGINEER OF WASTE DISPOSAL
DIRECTOR & CHIEF ENGINEER

DATE: MARCH 11, 1963
SCALE: N.T.S.
DWG. No. 123 OF 217
NEP-123

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