

– **६** EL. 103.50

65-PG-04 (1) [65-PG-03]

^V 75-RAS-PVC/SCH 80/SW

F/F EL. 100.00m

KEYNOTES:

(1) OWNER SUPPLIED EQUIPMENT. INSTALL PER MANUFACTURER'S GUIDELINES. ORIENT PNEUMATIC VALVE ACTUATOR TO AVOID INTERFERENCES AND MAINTAIN

ACCESS ROUTES. SUPPORT ACTUATOR AS REQUIRED. (3) USE 100mm Ø SCH. 40 GALVANIZED STEEL EXTENSION PIPE

(4) 300mm x 200mm REDUCING BUSHING

(5) 200mm Ø SCH 80 PVC 90° ELBOW.

VICTAULIC FLANGE ADAPTOR FITTING.

250mm x 200mm SCH 80 PVC REDUCING FLANGE.

(8) FABRICATED 250mm x 75mm SS REDUCING FLANGE PIPE SPOOL.

75mm x 38mm SCH 80 PVC REDUCING PIPE SADDLE.

75mm x 19mm SCH 80 PVC REDUCING PIPE SADDLE.

75mm x 50mm ECCENTRIC REDUCING EXPANSION JOINT WITH FLAT SIDE UP.

50mm FLANGE x 50mm FNPT C/W 50mm Ø NPT THREADED NIPPLE FOR CONNECTION

ORIENT DRAIN VALVE FOR ACCESS AND TO AVOID INTERFERENCE WITH OTHER PIPING AND EQUIPMENT.

75mm x 50mm CONCENTRIC REDUCING EXPANSION JOINT C/W CONTROL RODS.

75mm x 50mm SCH 80 PVC CONCENTRIC REDUCER. 100mm x 75mm SCH 80 PVC CONCENTRIC REDUCER.[NOT REQUIRED FOR 65-RP-01]

100mm Ø SCH 80 PVC TEE.[75mm Ø SCH. 80 PVC 90° ELBOW FOR 65-RP-01]

FIELD CUT PANEL WITH MINIMAL CLEARANCE TO ACCEPT PIPE. INSULATE

150 Ø SCH 80 PVC PIPE C/W HYDRONIC HEAT TRACING, 50mm THICK URETHANE INSULATION AND METAL JACKET. SLOPE DOWN TO EXPANSION JOINT AT 2% OR

SEAL INSULATION JACKET TO BUILDING WALL PANEL WEATHERTIGHT.

SEAL INSULATION JACKET TO PIPE END WEATHERTIGHT.

EXPANSION JOINT.

SOLVENT WELDED FLANGE ASSEMBLY.

PVC OR SS BATTEN RING; OD, ID AND BOLT HOLE PATTERN TO MATCH ADJACENT

4 x 4 MESH SS BIRD SCREEN SANDWICHED BETWEEN FACES OF FLANGE AND

26 14 x 14 MESH SS BUG SCREEN SANDWICHED BETWEEN PVC AND EXPANSION JOINT FLANGES.

(27) CONCRETE HOUSEKEEPING PAD, SIZED TO SUIT.

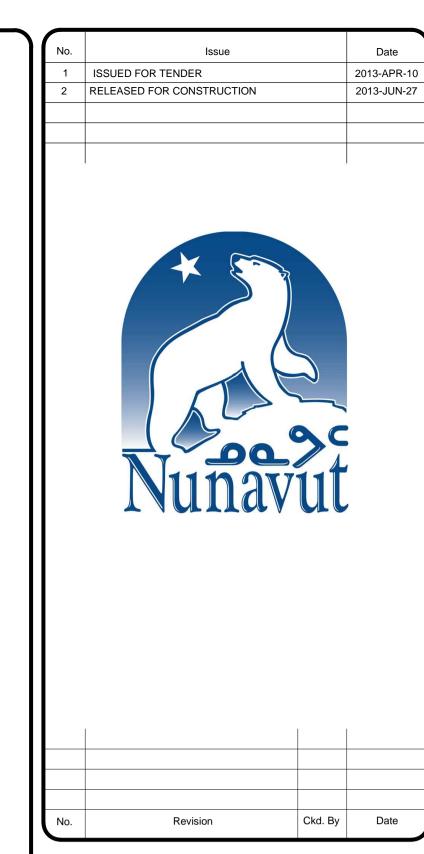
28) SECURE CLEVIS HANGER ROD TO BUILDING PURLIN WITH GALVANIZED CLAMP.

29 150mm FLANGE x 150mm FNPT C/W 150mm Ø NPT THREADED NIPPLE FOR

CONNECTION TO TANK NOZZLE.

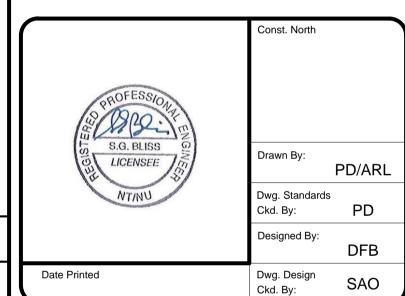
(30) FORM NOTCH IN HOUSEKEEPING PAD TO ACCOMODATE FLANGE AND PIPING. CONCRETE HOUSEKEEPING PAD, HEIGHT TO ALIGN PUMP SUCTION WITH PIPING

CONTRACTOR TO VERIFY LOCATION AND ALIGNMENT OF EXISTING PROCESS PIPING AND SERVICE LINES NOT BEING DEMOLISHED. CONSTRUCT PIPE RACK TO SUIT NEW AND EXISTING PROCESS PIPING AND SERVICE LINES. REALIGN EXISTING



PERMIT NUMBER: P483 NT/NU Association of Professional Engineers and Geoscientists

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exp Services Inc. t: +1.613.688.1899 | f: +1.613.225.7330 2650 Queensview Drive, Unit 100 Ottawa, ON K2B 8H6

www.exp.com

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Project Title

WASTE WATER TREATMENT PLANT **UPGRADE** PANGNIRTUNG, NU

MEMBRANE TANK AND **RAS PUMP SECTIONS**

OTT-00204430-A0

AS SHOWN

SECTION MEMBRANE TANK #2 AND RAS PUMP (65-RP-02) [SIMILAR FOR MEMBRANE TANK #1 AND 65-RP-01]

(27)

1 2 50-V-05 [50-V-04]

MEMBRANE TANK #2

[MEMBRANE TANK #1]

10 13 65-V-06

[65-V-05]

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