

NOTE: ALL DIMENSIONS SHOWN ARE IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE NOTED.

Drawn: Dessin:	X.X.X.	Checked: Verification:	X.X.X.
Scale: Echelle:	1 : XXX	Date:	XXXX/XX/XX

DRUM DRIP DETAIL



Drawing Number
Dessin Numero
DWG-XXX

REVO

NOTES:

1. PROVIDE 75Ø VENT PIPING FOR EACH SUMP PIT AND TERMINATE AS PER CODE. VENT PIPING SHALL BE CONCEALED IN PUBLIC AREAS ONLY.
2. DUPLEX PUMPING ARRANGEMENT. ONE PUMP SHOWN FOR CLARITY.
3. PROVIDE POWER AND CONTROL WIRING. ALL WIRING SHALL BE CONCEALED IN PUBLIC AREAS ONLY.
4. INSTALL ALL EQUIPMENT AND SUMP PIT AS PER MANUFACTURER'S RECOMMENDATIONS.
5. REMOVAL SYSTEM IS REQUIRED.
6. PROVIDE SEPARATED CONDUIT FOR POWER.
7. PROVIDE VENT PIPE AS PER OBC AND PLUMBING CODE REQUESTED.
8. PROVIDE STAINLESS STEEL CORE MOUNT SLEEVE (DBI SALA) FOR EACH SUMP PIT. SLEEVE SHALL BE INSTALLED STRATEGICALLY TO ALLOW LIFTING OF THE PUMPS AS WELL AS LOWERING AND LIFTING OF THE MAINTENANCE PERSONNEL INTO/FROM THE PIT VIA LIFTING DAVIT. FINALIZE LOCATION AT SITE.

3x25x150 (1/8"x1"x6") STEEL ANGULAR STRAP
TWO PER SIDE

DISCHARGE PIPE

PRE-CAST/CAST IN PLACE CONCRETE PIT
C/W LADDER

GUIDE RAIL SYSTEM

FLOAT AND WIRING IN CONDUIT MIN-3-50Ø
PER SUMP

HIGH LEVEL ALARM

LAG PUMP ON

LEAD PUMP ON

FLOAT (TYP)

PUMPS OFF

STAINLESS STEEL CHAIN

RECESSED HEX HEAD BOLTS
158mm (6-1/4") WITH GASKET
BETWEEN MACHINED
SURFACES.

HEAVY DUTY STAINLESS STEEL
COVER

TUBULAR NEOPRENE GASKET

9mm (3/8") SS "Z" CHANNEL

CORE MOUNT
SLEEVE. SEE
NOTE 1.

HEAVY DUTY STAINLESS STEEL
GASKETED COVER C/W
LOCKING MECHANISM AND
SELF OPENING CAPABILITY

PUMPED
DISCHARGE

ISOLATION VALVE

CHECK VALVE
UNION

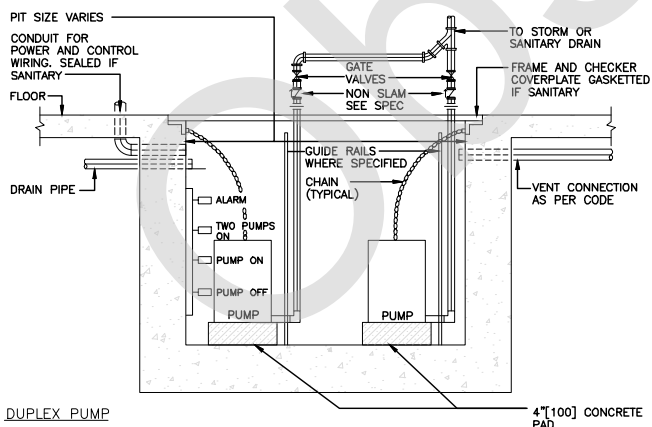
INCOMING DRAIN PIPE

WATERTIGHT SLEEVE (TYP)

DUPLEX SUBMERSIBLE PUMPS

BREAKAWAY FITTING

CONCRETE BASE



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SUBMERSIBLE PUMPS AND SUMP PIT DETAIL

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METROLINX

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REVO

ASPHALT WITH
SURFACING SYSTEM AS
SPECIFIED

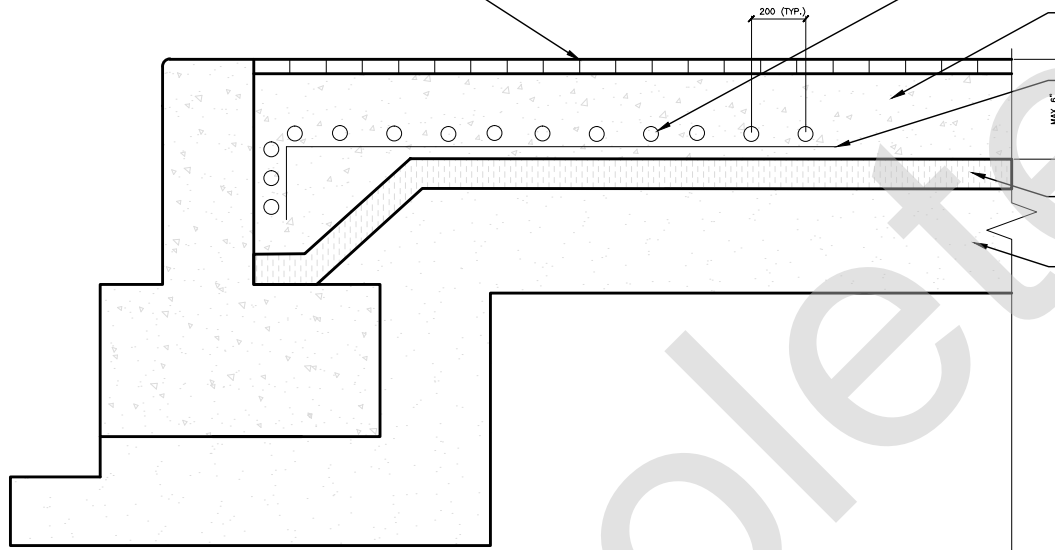
MIN.20Ø TUBING
(GLYCOL
SUPPLY)

CONCRETE
(75mm)

WIRE MESH

50 RIGID INSULATION

LIMESTONE



NOTE:
FOR CURB LAYOUT REFER TO PRECAST CONCRETE PLATFORM CURB STANDARD DETAIL

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SNOW MELTING TUBING INSTALLATION DETAILS (PLATFORM)

 **METROLINX**

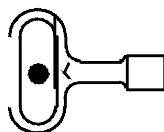
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DWG-XXX

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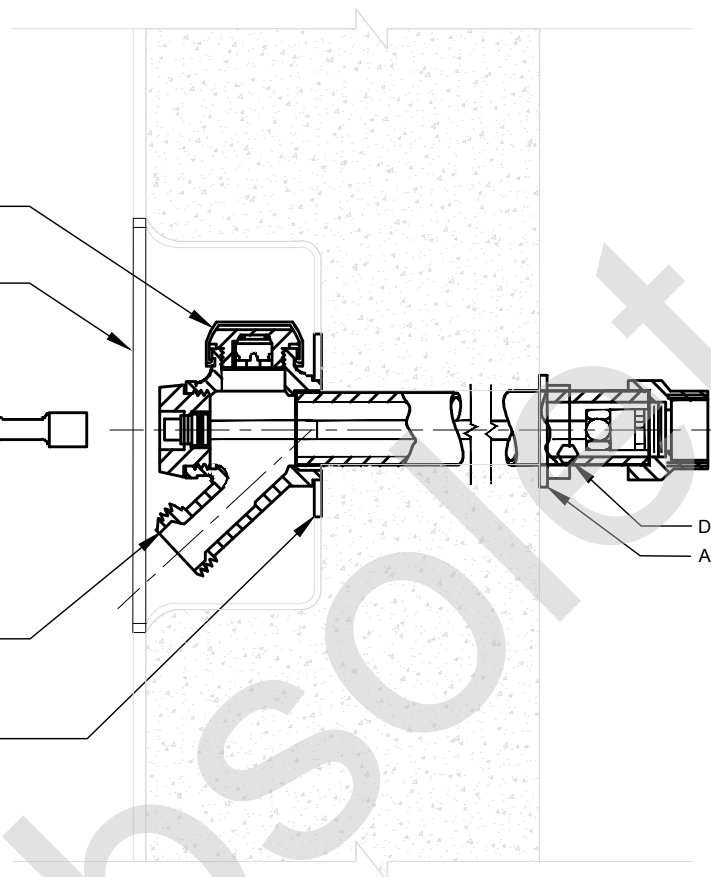
INTEGRAL VACUUM
BREAKER ASSEMBLY

HINGED LOCKING COVER
(KEY SEPARATE)



3/4" HOSE CONNECTION

FLASHING CLAMP



DRAIN PORT
ADJUSTABLE WALL CLAMP

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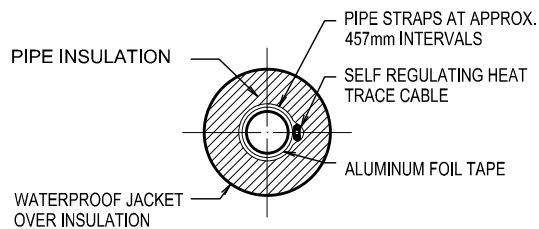
WALL MOUNTED NON-FREEZE HOSE BIB DETAIL

 **METROLINX**

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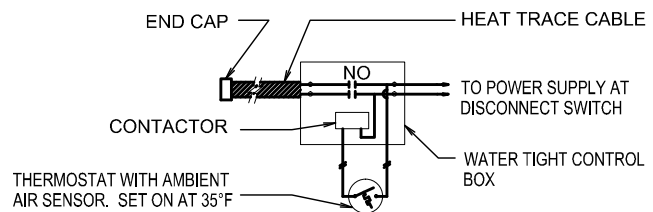
DWG-XXX

REVO



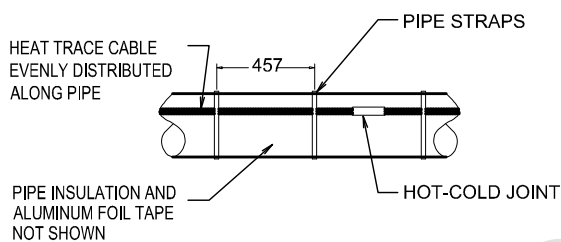
SECTION THRU PIPE

NO SCALE



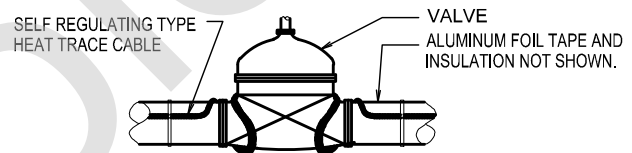
HEAT TRACE CONTROL BOX DIAGRAM

NO SCALE



INSTALLATION DETAIL

NO SCALE



INSTALLATION AT VALVES

NO SCALE

NOTES: ① PROVIDE WEATHER RESISTANT LABELING ON EXTERIOR OF JACKET IDENTIFYING PIPES AS BEING "ELECTRIC TRACED" WITH VOLTAGE INDICATED.

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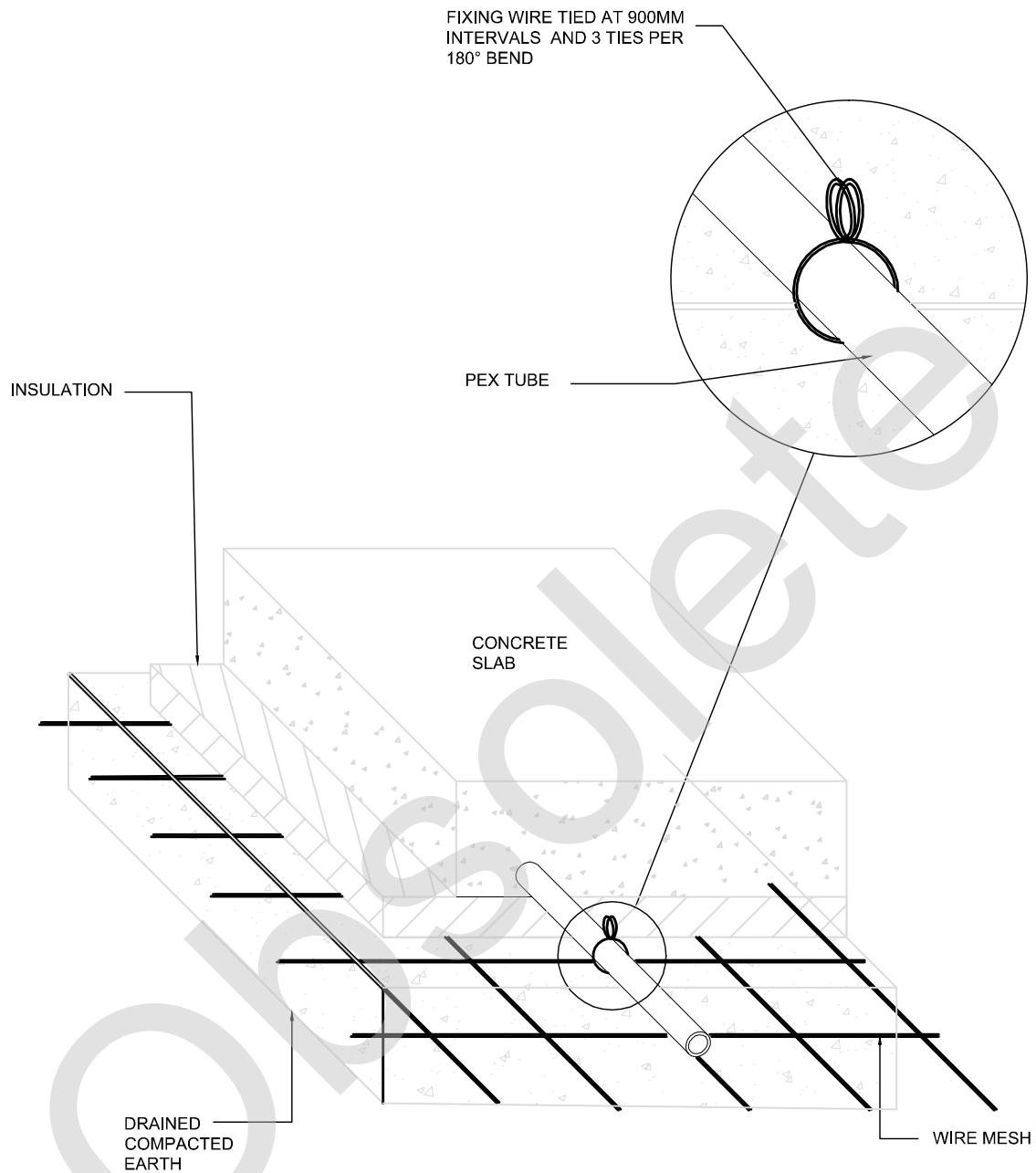
PIPE HEAT TRACING DETAILS

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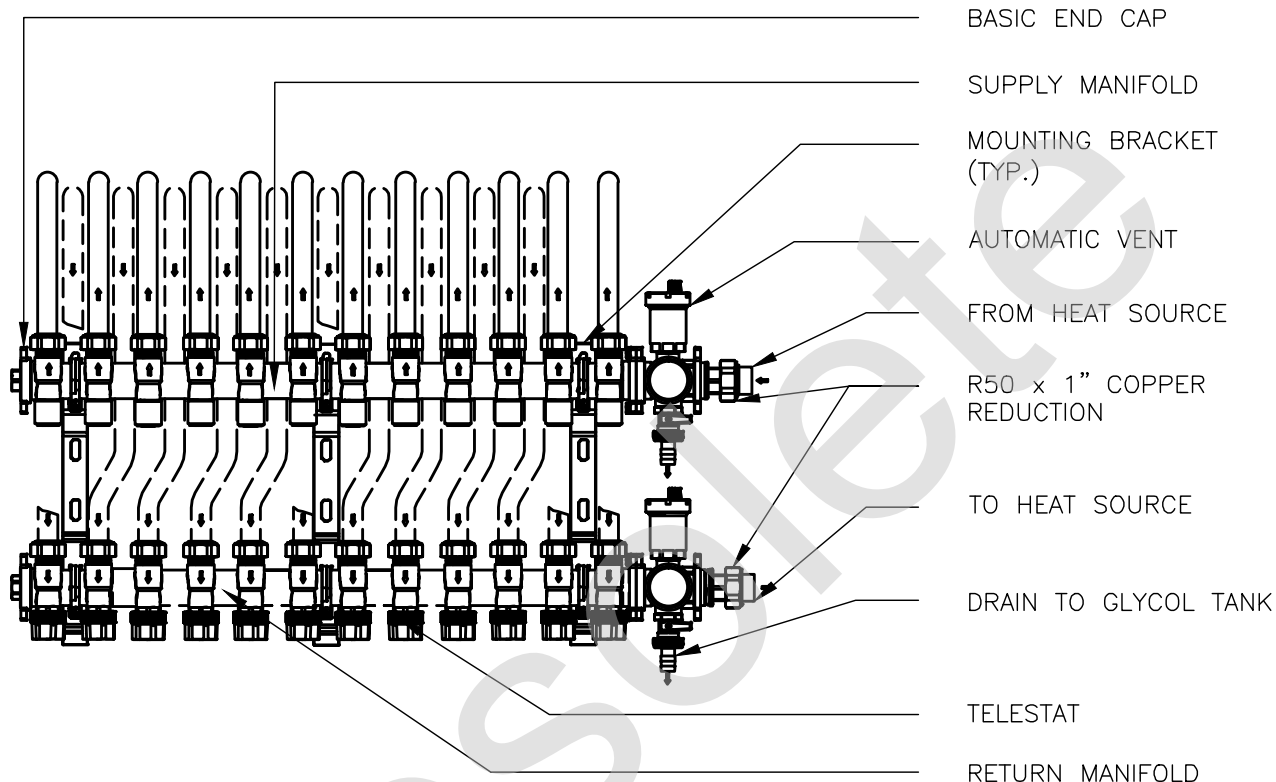
TUBE INSULATION INSTALLATION AT CONCRETE SLAB

METROLINX

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NOTE:
EACH MANIFOLD REQUIRES A
CIRCUIT BALANCING VALVE
AND SHUTOFF VALVES

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Drawn: Dessin: X.X.X.		Checked: Verification: X.X.X.		MANIFOLD PIT PIPING
Scale: Echelle: 1 : XXX		Date: XXXX/XX/XX		
<div> METROLINX</div>				<div>Drawing Number Dessin Numero</div> <div>DWG-XXX</div> <div>REV</div>

REMOVABLE, GASKETTED, AIR-TIGHT, REINFORCED HEAVY GAUGE STEEL COVER PLATE WITH NON-SKID SURFACE. BOLT COVERPLATE TO FRAME. SUPPLY FRAME TO DIVISION RESPONSIBLE FOR PIT CONSTRUCTION.

CONTROL PANEL
SEE SPECIFICATION

REMOTE ALARM
TO BAS

HIGH LEVEL ALARM
BOX WITH BELL

EXTENSION OF CABLES BY
ELECTRICAL DIVISION

4"(100mm) EMPTY
CONDUIT

2"Ø VENT PIPE TO VENT
MAIN

ANGLE
BRACKET

INLET

SAND
SETTLING
PIT

HEAVY GAUGE STEEL
COVERPLATE FRAME
NON-FERROUS METAL
CHAIN HOOK

DISCHARGE PIPE. FOR
CONTINUATION & SIZE
REFER TO FLOOR PLAN.

NON-FERROUS HEAVY
GAUGE METAL CHAIN

GATE VALVE

CHECK VALVE

CONCRETE
SUMP PIT

SUMP PUMP

NOTES:

- ① ALARM LEVEL
- ② SECOND PUMP OPERATING
- ③ ONE PUMP OPERATING
- ④ LOW LEVEL OFF
- ⑤ VOLUME BETWEEN LEVEL SWITCHES EQUAL TO 3 TIMES SINGLE PUMP CAPACITY.
- ⑥ PROVIDE SUITABLE HEAVY GAUGE STEEL LADDER RUNGS 12" (300 mm) CENTRES FOR DEPTH OF PIT.
- ⑦ CAREFULLY CO-ORDINATE INSTALLATION OF COVER PLATE FRAME, PIPING, LADDER RUNGS & CHAIN HOOK WITH DIVISION RESPONSIBLE FOR SUMP PIT CONSTRUCTION.

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STORM SUMP PUMP AND SAND SETTLING PIT

Scale:
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