

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

**METROLINX**

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

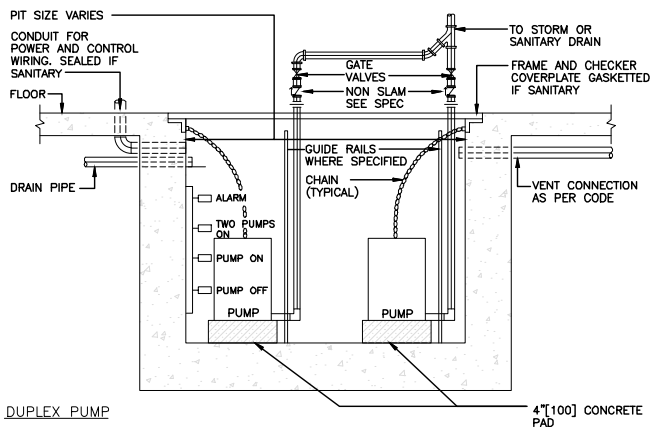
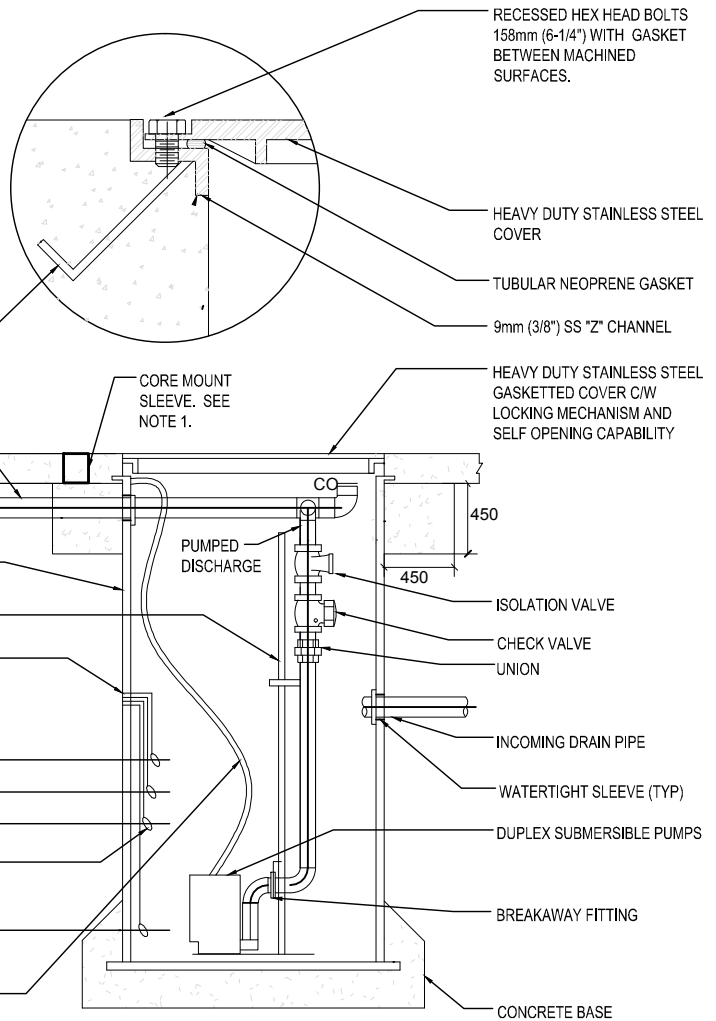
LAG PUMP ON

LEAD PUMP ON

FLOAT (TYP)

PUMPS OFF

STAINLESS STEEL CHAIN



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SUBMERSIBLE PUMPS AND SUMP PIT DETAIL

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ASPHALT WITH  
SURFACING SYSTEM AS  
SPECIFIED

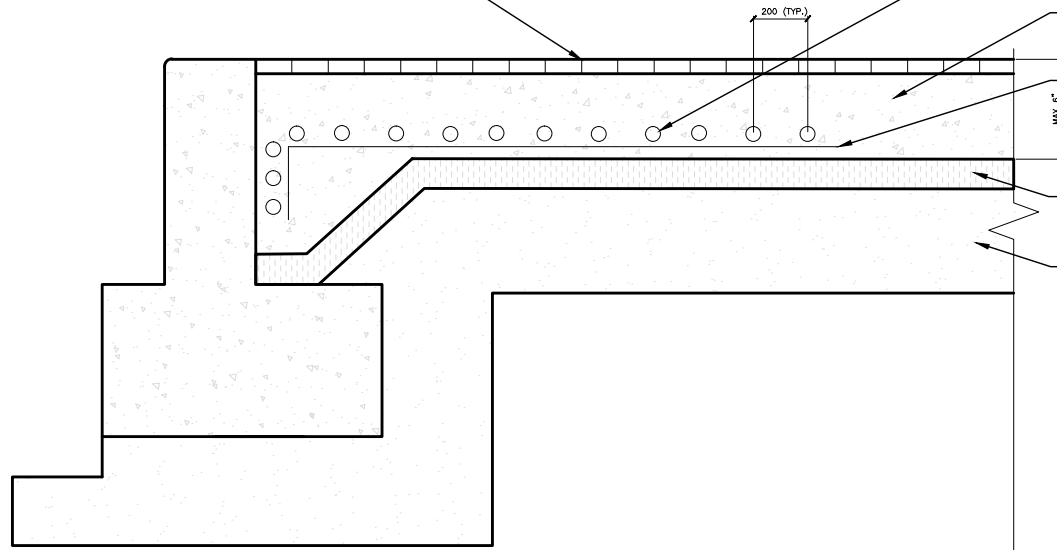
MIN.20Ø TUBING  
(GLYCOL  
SUPPLY)

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**

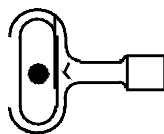
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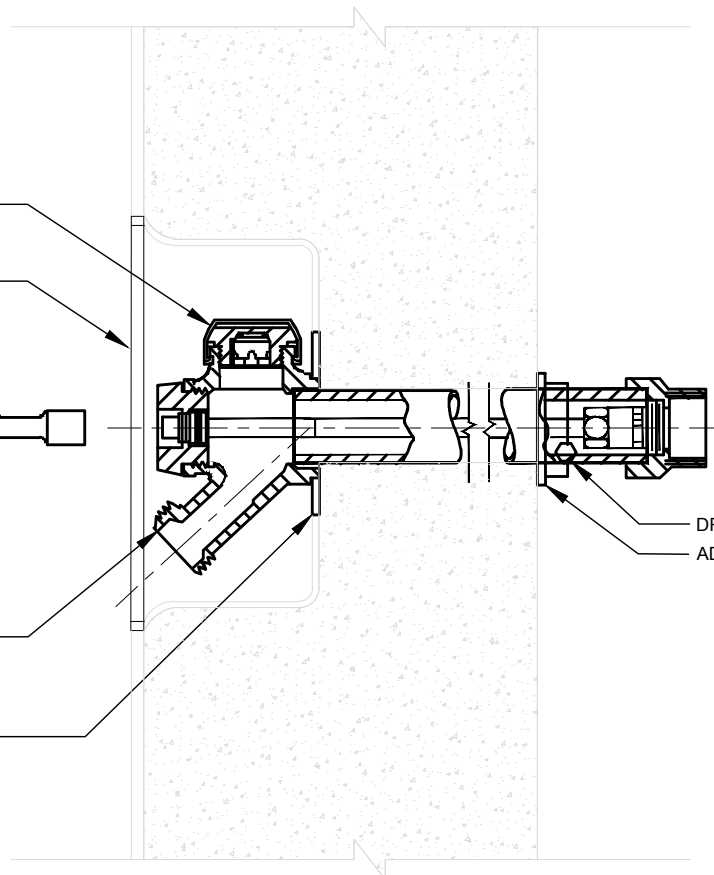
INTEGRAL VACUUM  
BREAKER ASSEMBLY

HINGED LOCKING COVER  
(KEY SEPARATE)



3/4" HOSE CONNECTION

FLASHING CLAMP



DRAIN PORT  
ADJUSTABLE WALL CLAMP

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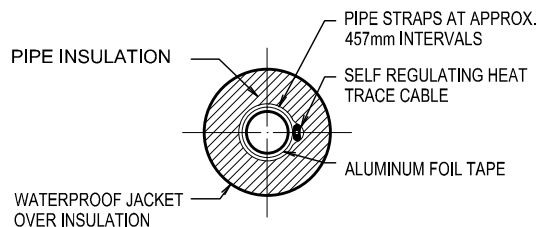
WALL MOUNTED NON-FREEZE HOSE BIB DETAIL

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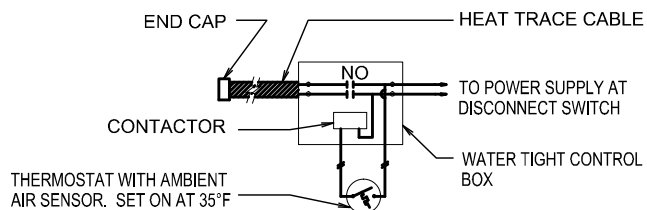
DWG-XXX

REV0



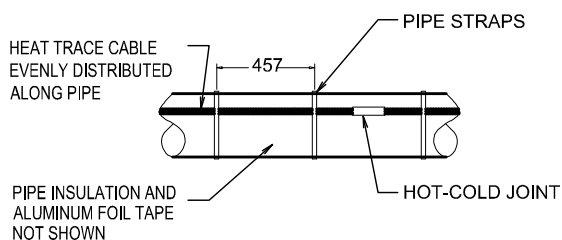
### SECTION THRU PIPE

NO SCALE



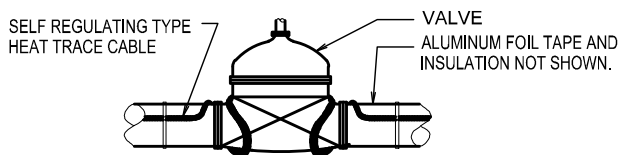
### HEAT TRACE CONTROL BOX DIAGRAM

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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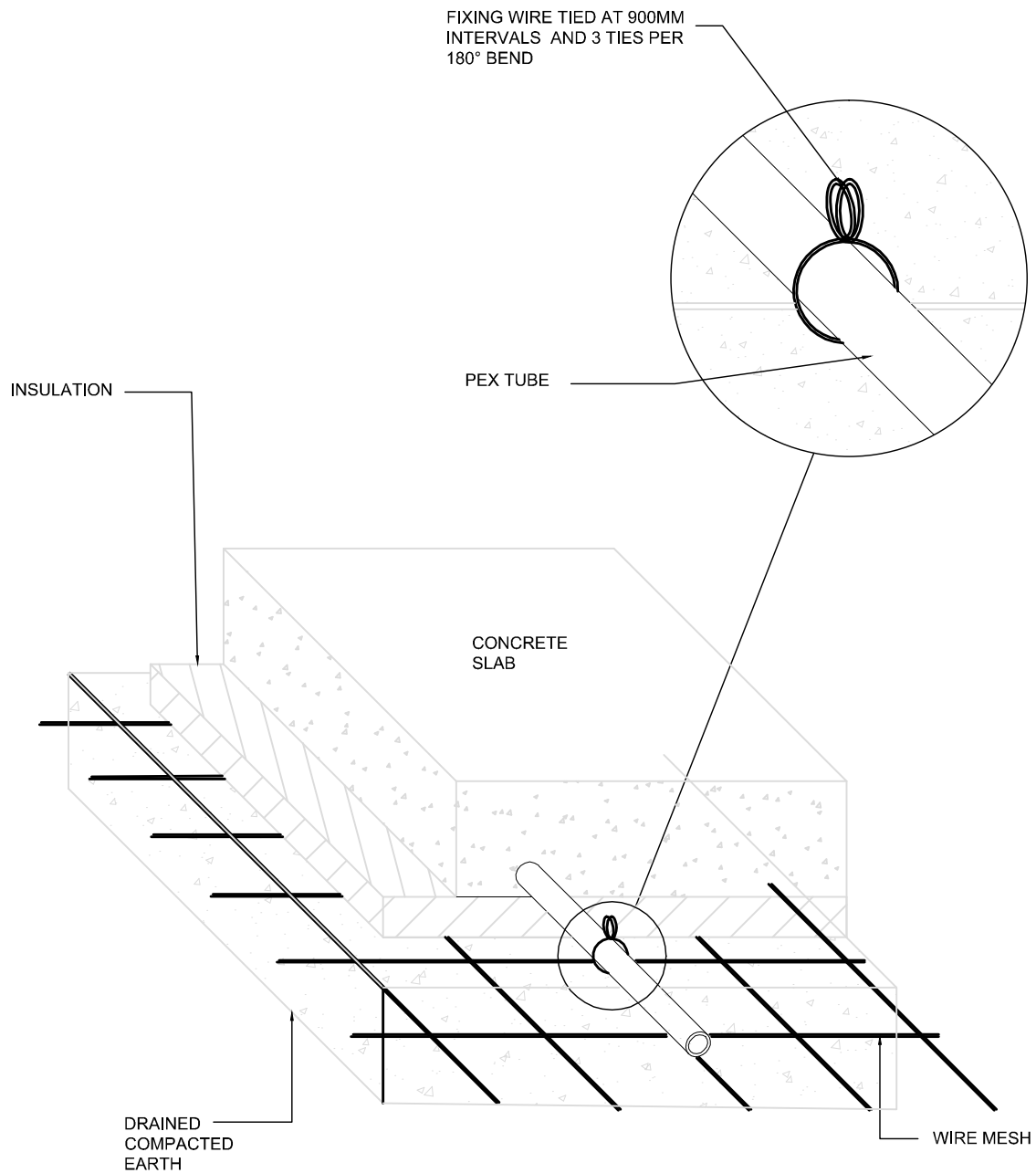
PIPE HEAT TRACING DETAILS

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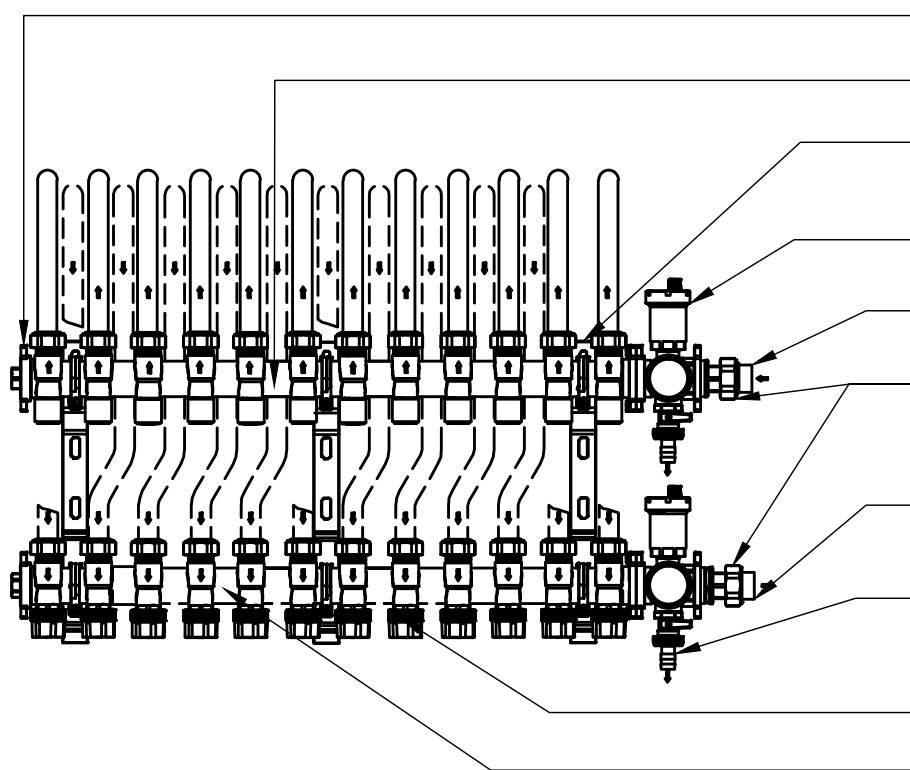
TUBE INSULATION INSTALLATION AT CONCRETE SLAB

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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> <b>METROLINX</b></div>				<div>Drawing Number Dessin Numero</div> <div>DWG—XXX</div> <div>REV0</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

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