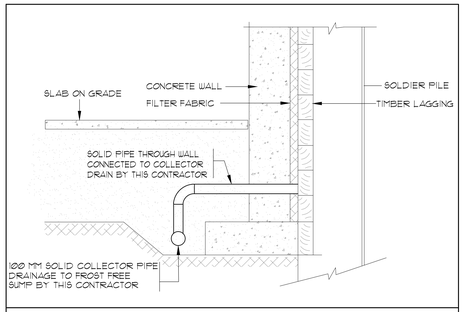
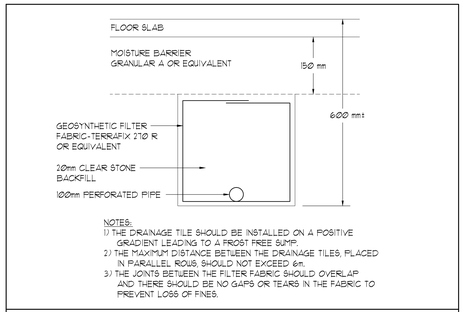


WEEPING TILE INSTALLATION DETAILS

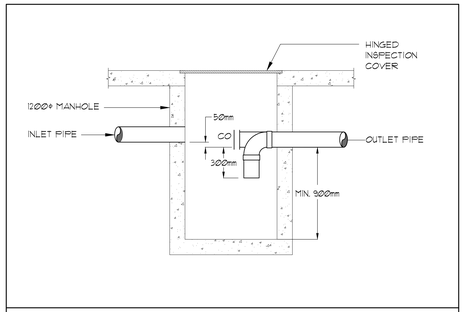
N.T.S.



NOTES:
1) THE DRAINAGE TILE SHOULD BE INSTALLED ON A POSITIVE GRADIENT LEADING TO A FROST FREE SUMP.
2) THE MAXIMUM DISTANCE BETWEEN THE DRAINAGE TILES, PLACED IN PARALLEL ROWS, SHOULD NOT EXCEED 6m.
3) THE JOINTS BETWEEN THE FILTER FABRIC SHOULD OVERLAP AND THERE SHOULD BE NO GAPS OR TEARS IN THE FABRIC TO PREVENT LOSS OF FINES.

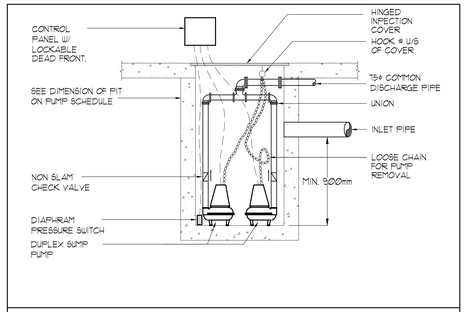
SUBFLOOR DRAINAGE DETAIL

N.T.S.



SAND TRAP DETAIL

N.T.S.



TYPICAL SUMP PIT DETAIL

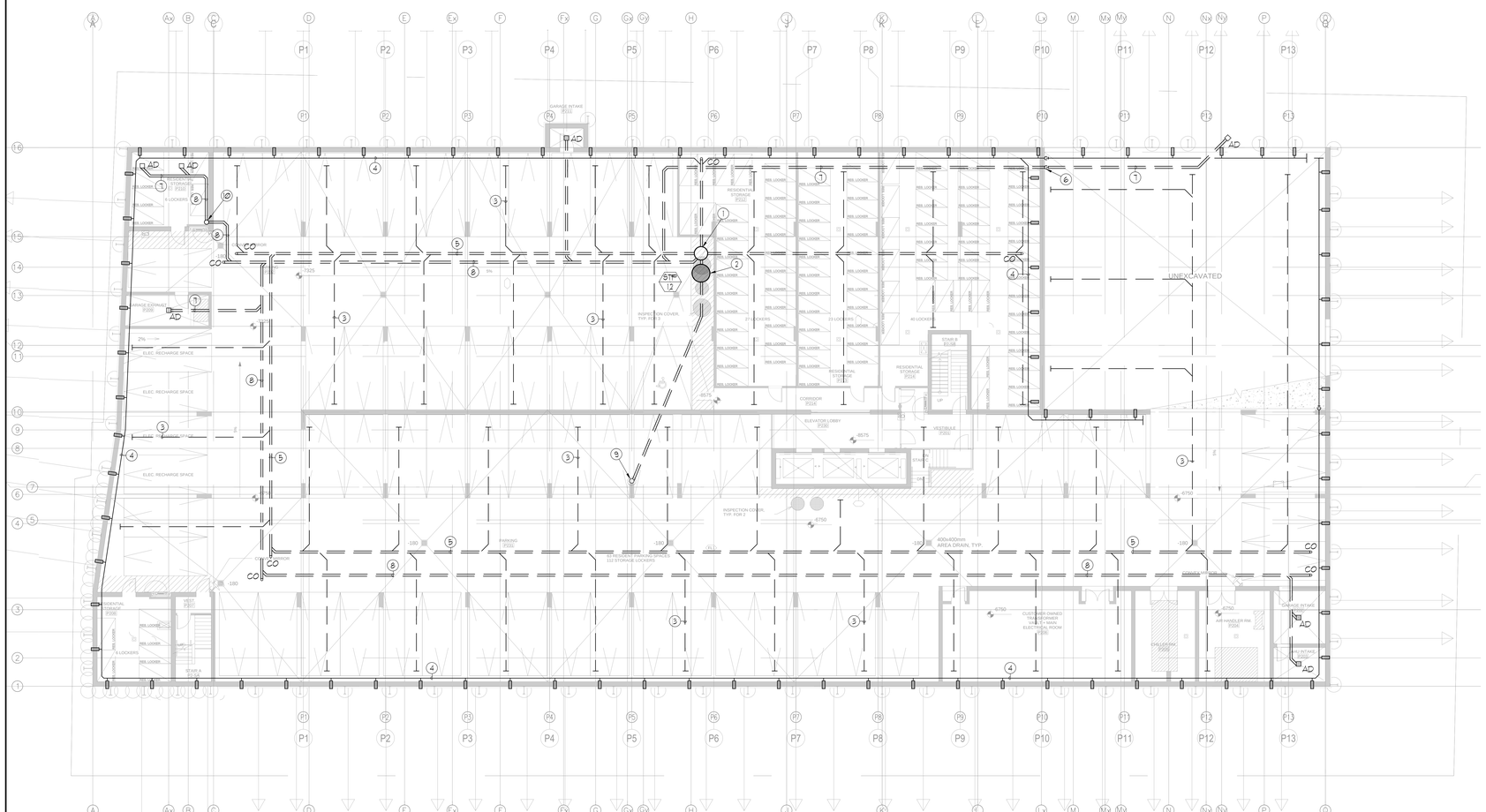
N.T.S.

REFER TO DWG. M-X FOR GENERAL AND ACOUSTIC NOTES.

△ +mm CLEAR FLOOR TO UNDERSLAB

NOTES:

1. SAND TRAP. SEE DETAIL ON THIS DRAWING.
2. STORM SUMP PUMP PIT. FOR EQUIPMENT SCHEDULE OF PUMP AND PIT SIZE SEE DETAIL ON DWG. M-3.
3. 100ø SUB-FLOOR WEEPING TILE @ 1%. SEE SUB-FLOOR DRAINAGE DETAIL ON THIS DRAWING. (TYPICAL)
4. 100ø SOLID COLLECTOR PIPE @ 1%. SEE WEEPING TILE INSTALLATION DETAIL ON THIS DRAWING. (TYPICAL)
5. 150ø SOLID COLLECTOR PIPE @ 1%.
6. 100ø STM FROM ABOVE AND DOWN.
7. 100ø STM @ 1%.
8. 150ø STM @ 1%.
9. 75ø STM PUMPED UP c/w HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION AND JACKET BY THIS CONTRACTOR.
10. 150ø STM DOWN c/w CLEANOUT AT BASE.



LEGEND MECHANICAL

SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	SUPPLY AIR TROFFER
	LINEAR SUPPLY DIFFUSER
T	THERMOSTAT
S	FAN SWITCH
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
FD	FIRE DAMPER
BD	BALANCING DAMPER
M	MOTORIZED DAMPER
MFD	MOTORIZED FIRE DAMPER
BDD	BACKDRAFT DAMPER
OBD	OPPOSED BLADE VOLPE CONTROL DAMPER CS(LOCKING BLADE)(KIT)
	TURNING VANES
	FLEXIBLE CONNECTION
	ACOUSTIC INSULATION
XX	TYPE OF EQUIPMENT
XX.XX	EQUIPMENT IDENTIFICATION
XX.XX	TYPE OF DIFFUSER OR GRILLE
XXX	SIZE OF DUCT OR DIFFUSER NECK SIZE
XXX	AIRFLOW (CFM OR L/s)
S, S	STARTER / 3 PHASE, 1 PHASE /
S	N-SITE ERV MASTER SWITCH
S	FAN SWITCH / N-SITE ERV OVERRIDE BUTTON
CO	CO SENSOR
G	GAS LINE
G	GAS METER
G	GAS COCK
PR	PRESSURE REDUCING VALVE
S	SANITARY ABOVE GRADE
S	SANITARY BELOW GRADE
S	STORM ABOVE GRADE
S	STORM BELOW GRADE
W	DOMESTIC COLD WATER
W	DOMESTIC HOT WATER
W	DOMESTIC HOT WATER RECIRCULATION
V	SANITARY VENT
W	WATER METER
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
HD	HUB DRAIN
RD	ROOF DRAIN
SLD	SLAB DRAIN
AD	AREA DRAIN
BLAD	BI-LEVEL AREA DRAIN
CB	CATCH BASIN
	SANITARY TRAP
	ELBOW UP
	ELBOW DOWN
CO	WALL CLEANOUT
CO	FLOOR CLEANOUT
HB	HOSE BIBB
NFHB	NON-FREEZE HOSE BIBB
	GLOBE VALVE
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	CAP
CA	COMPRESSED AIR OUTLET
NV	BACKFLOW PREVENTER
	CIRCUIT BALANCING VALVE
	MULTIPLE PIPES / / DENOTES NO. OF PIPES
T	TEMPERATURE SENSOR
T	THERMOMETER
	2-WAY MODULATING VALVE
	3-WAY MODULATING VALVE
	10"x4"(D) THERMOWELL C/W 10" BUSHING x 10" PLUG
XXX	FLOOR ELEVATION ABOVE LEVEL
XXX	FLOOR ELEVATION THIS LEVEL
XXX	HEADROOM (FLOOR TO U/S HEIGHT)

DATE	NO.	DESCRIPTION	BY
07/10/14	2	RE-ISSUED FOR PERMIT	E.P.
05/30/14	1	ISSUED FOR PERMIT	E.P.
DATE	NO.	DESCRIPTION	BY

MARK VOID ALL PRINTS DATED PREVIOUS TO FINAL DATE ABOVE

REVISIONS

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

DRAWINGS ARE NOT TO BE SCALED

NOVA TREND ENGINEERING GROUP LTD.

07/10/14
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LICENSED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

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Email: cad@novatrendeng.com

DRAWING TITLE:
P-2 FLOOR PLAN
SUB -SLAB DRAINAGE LAYOUT

PROJECT TITLE:
ALEXANDRA PARK

XXX
TORONTO ONTARIO

DRAWN BY:	CHECKED BY:	SCALE:
G.S.	E.P.	1:100
DATE: FEB. 13	PROJECT NUMBER: 1313	DRAWING NUMBER: M-2 OF 39

Drawing name: \\CADSERVER\Current Dwgs\1313\1313 - Alexandra Park\2013\1313M - P2-2 PLAN - SUB-SLAB DRAINAGE LAYOUT.dwg Printed: Jul 09, 2014 - 4:06pm