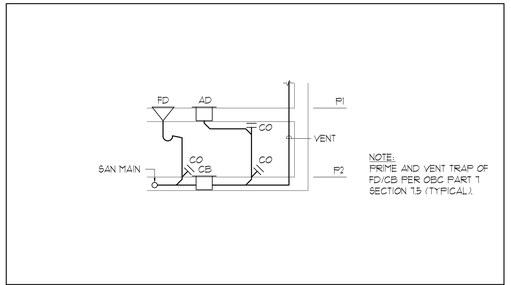
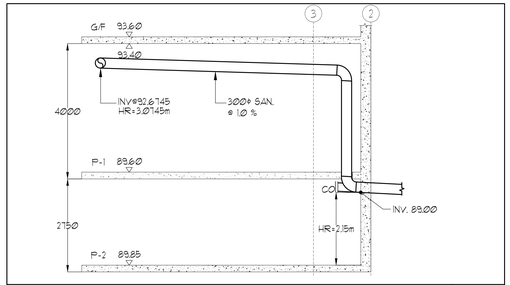
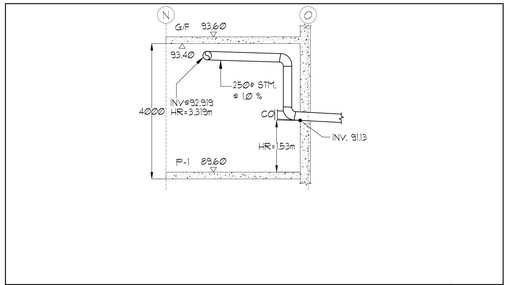


PARKING AREA DRAIN/CATCH BASIN SCHEMATIC



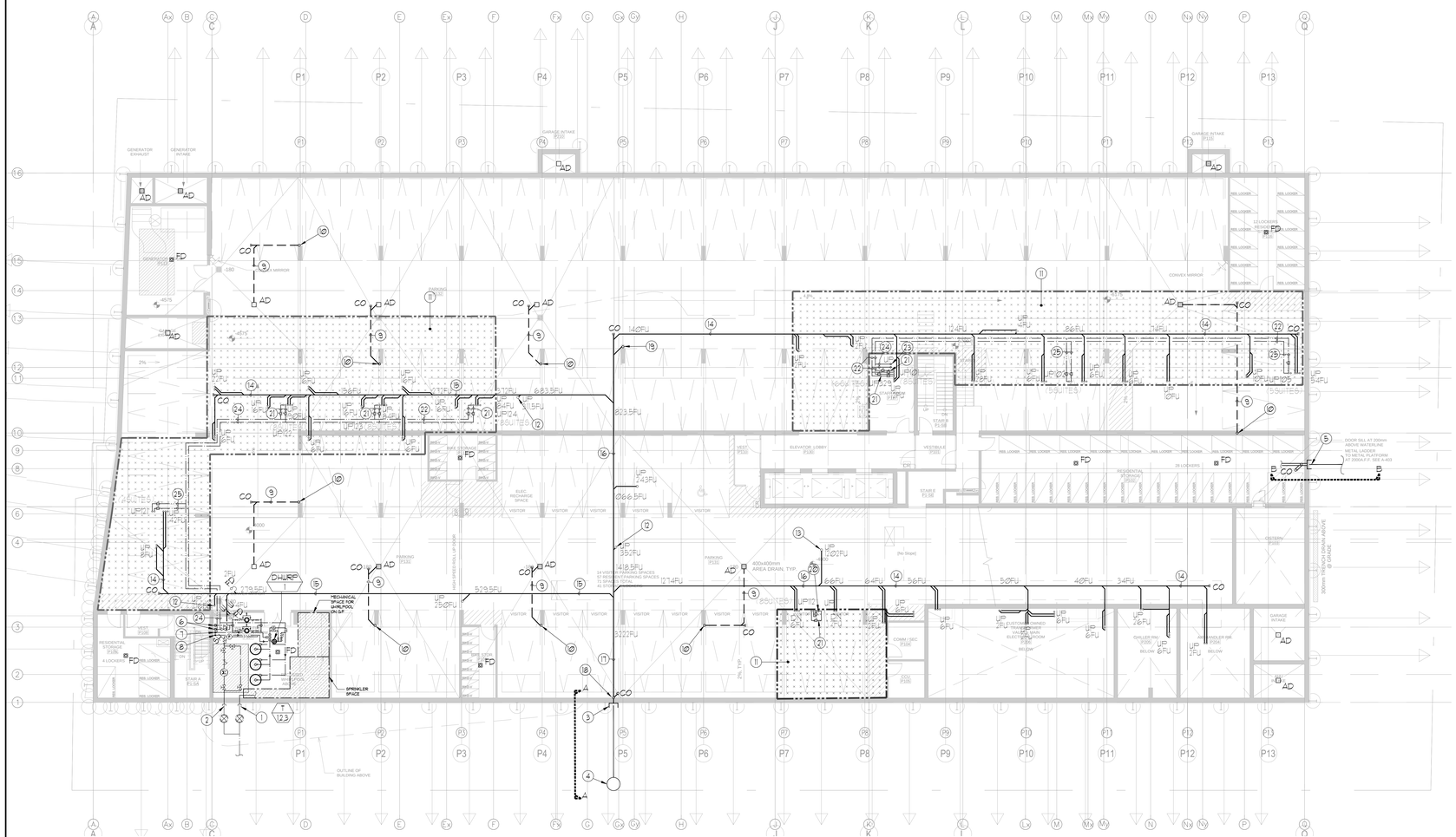
SANITARY PIPE DETAIL SECTION A-A

N.T.S.



STORM PIPE DETAIL SECTION B-B

N.T.S.



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

-mm CLEAR
FLOOR TO UNDERSLAB

KEYNOTES:

1. 150Ø FIRE LINE CONNECTION FROM SITE SERVICE. SEE SPRINKLER DRAWING FOR CONTINUATION.
2. 100Ø DCW MAIN CONNECTION FROM SITE SERVICE.
3. 300Ø SAN LEAVING PIPE @ 2% AT INV. 89.00.
4. XXXØ MANHOLE BY OTHERS.
5. 250Ø STORM LEAVING PIPE @ 2% AT INV. 91.13
6. 100Ø DCW (LZ) & 100Ø DCW (HZ) UP TO G/F.
7. 75Ø DHW (LZ) UP TO G/F.
8. 50Ø DHWR (LZ) FROM ABOVE.
9. 100Ø SAN @ 1% ON CEILING OF P-2.
10. 100Ø SAN DOWN.
11. HEATED PLENUM BELOW TOWNHOUSES BY OTHERS.
12. 150Ø SAN FROM ABOVE.
13. 200Ø SAN FROM ABOVE.
14. 100Ø SAN @ 1%.
15. 150Ø SAN @ 1%.
16. 200Ø SAN @ 1%.
17. 300Ø SAN @ 1%.
18. 250Ø SAN DOWN c/w CLEANOUT AT BASE AND CONNECT TO SITE SERVICE LEAVING SAN MAIN.
19. 75Ø SAN PUMPED FROM BELOW c/w HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION & JACKET BY THIS CONTRACTOR.
20. 50Ø DCW & 38Ø DHW FROM ABOVE.
21. 38Ø DCW & 32Ø DHW.
22. 50Ø DCW & 38Ø DHW
23. 63Ø DCW & 50Ø DHW FROM ABOVE.
24. 63Ø DCW & 50Ø DHW.
25. 32Ø DCW & 25Ø DHW

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 CW/LOCKING QUADRANT
	TURNING VANES
	FLEXIBLE CONNECTION
	ACOUSTIC INSULATION
XX	TYPE OF EQUIPMENT
XX	EQUIPMENT IDENTIFICATION
XX	TYPE OF DIFFUSER ON GRILLE
XX	TYPE OF DIFFUSER ON DOWN NECK SIZE
XX	AIRFLOW (CFM ON LINE)
	STARTER / 3 PHASE (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
	PRESSURE REDUCING VALVE
	SANITARY ABOVE GRADE
	SANITARY BELOW GRADE
	STORM ABOVE GRADE
	STORM BELOW GRADE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	SANITARY VENT
	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	THERMOSTER
	2-WAY MODULATING VALVE
	3-WAY MODULATING VALVE
	10"x4"(D) THERMOWELL C/W 10" BUSHING & 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.
09/09/14	1	ISSUED FOR PERMIT	E.P.

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 ENGINEERS 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.

LICENSED PROFESSIONAL ENGINEER
07/10/14
ERIC PUI KAI PAN
PROVINCE OF ONTARIO

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Richmond Hill, Ontario L4B 3M1
Tel: 905 882-5445
Fax: 905 882-5447
Email: cad@novatrendeng.com

DRAWING TITLE:
P-1 FLOOR PLAN
P&D 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-5 OF 39