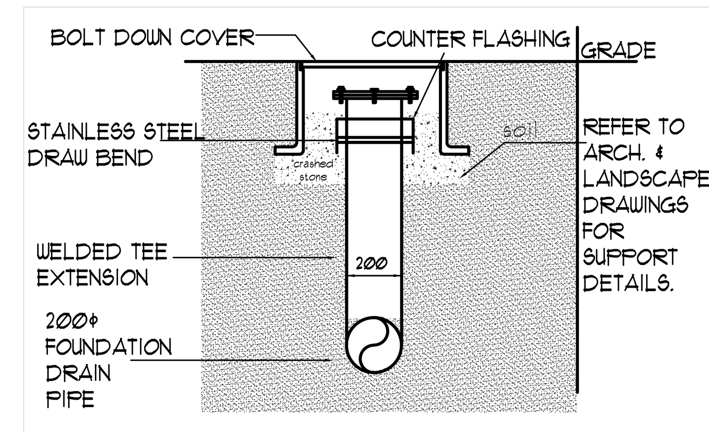
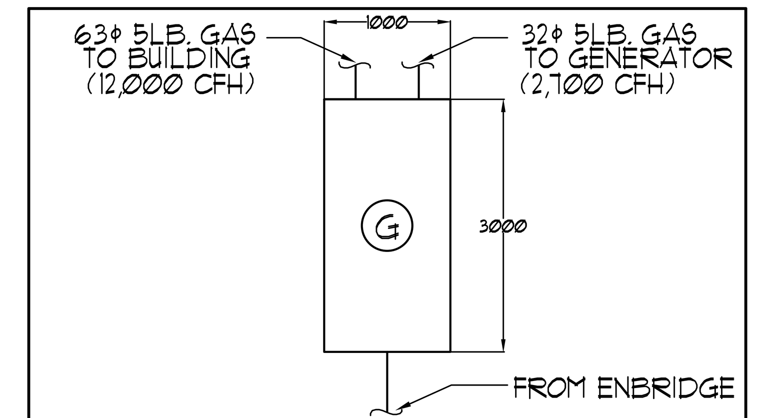


GROUND WATER SAMPLING STATION DETAILS N.T.S.



ENBRIDGE GAS METER/REGULATING STATION DETAIL

ALEXANDRA PARK (#1313) MECHANICAL DRAWING LIST

No.	Drawing	SCALE	05/30/14 ISSUED FOR PERMIT	07/10/14 RE-ISSUED FOR PERMIT	09/23/14 ISSUED FOR TENDER	12/11/14 ISSUED FOR POST-TENDER ADDENDUM #M-1	02/27/15 ISSUED FOR SITE INSTRUCTION #M-1	03/20/15 ISSUED FOR SITE INSTRUCTION #M-2	04/21/15 ISSUED FOR SITE INSTRUCTION #M-3	04/27/15 ISSUED FOR CITY COMMENTS	05/08/15 ISSUED FOR SITE INSTRUCTION #M-4	06/24/15 ISSUED FOR SITE INSTRUCTION #M-5	07/28/15 ISSUED FOR SITE INSTRUCTION #M-6	08/18/15 ISSUED FOR SITE INSTRUCTION #M-7	08/25/15 ISSUED FOR SITE INSTRUCTION #M-8
M-1	SITE PLAN	1:150	√	√	√	–	√	√	√	√	√	√	–	√	√
M-2	P-2 FLOOR PLAN - SUB-SLAB DRAINAGE LAYOUT	1:100	√	√	√	–	√	–	√	√	–	–	–	–	–
M-3	P-2 FLOOR PLAN - MECHANICAL LAYOUT	1:100	√	√	√	–	√	√	√	√	√	–	–	–	√
M-4	P-1 FLOOR PLAN - HVAC LAYOUT	1:100	√	√	√	–	√	–	√	√	√	–	–	–	√
M-5	P-1 FLOOR PLAN - P&D LAYOUT	1:100	√	√	√	–	√	–	√	√	√	√	√	–	√
M-6	G/F - SOUTH HVAC DUCTWORK LAYOUT	1:50	√	√	√	–	√	–	–	√	√	√	–	√	–
M-7	G/F - NORTH HVAC DUCTWORK LAYOUT	1:50	√	√	√	–	√	–	–	√	√	–	–	–	–
M-8	G/F - SOUTH HVAC PIPING LAYOUT	1:50	√	√	√	–	√	–	–	√	√	√	–	√	–
M-9	G/F - NORTH HVAC PIPING LAYOUT	1:50	√	√	√	–	√	–	–	√	√	√	–	–	–
M-10	G/F - SOUTH P&D LAYOUT	1:50	√	√	√	–	√	–	√	√	√	√	√	√	–
M-11	G/F - NORTH P&D LAYOUT	1:50	√	√	√	–	–	–	–	√	√	√	√	√	–
M-12	2/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	√	–	√	√	–
M-13	2/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	√	–
M-14	3/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-15	3/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-16	4/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-17	4/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-18	5/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-19	5/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-20	6/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	–	–	–	√	–	–	√	–	–
M-21	6/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-22	7/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	–	–	–	√	–	–	√	–	–
M-23	7/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-24	8/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	–	√	–	√	–	√	√	–	–
M-25	8/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	√	√	–	–
M-26	9/F - SOUTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	√	√	–	√
M-27	9/F - NORTH MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-28	10/F - MECHANICAL LAYOUT	1:50	√	√	√	–	√	√	–	√	–	–	√	–	–
M-29	11/F - MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-30	12/F - MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	–	–	√	–	–
M-31	13/F - MECHANICAL LAYOUT	1:50	√	√	√	–	√	–	–	√	√	–	√	–	–
M-32	14/F - MECHANICAL LAYOUT	1:50	√	√	√	–	√	√	–	√	√	–	√	–	–
M-33	MECHANICAL PENTHOUSE - P&D AND HVAC PIPING LAYOUT	1:25	√	√	√	–	–	–	–	√	√	√	√	–	–
M-34	ROOF PLAN	N.T.S.	√	√	√	–	√	–	–	√	–	–	–	–	–
M-35	SYSTEM WATER RISER DIAGRAM	N.T.S.	√	√	√	–	√	–	–	√	–	–	√	–	–
M-36	DCW, DHW & DHWR RISER DIAGRAM	N.T.S.	√	√	√	–	–	–	–	√	–	–	√	–	–
M-37	PRESSURIZATION / VENTILATION RISER DIAGRAM	N.T.S.	√	√	√	–	–	–	–	√	√	–	–	–	–
M-38	SANITARY RISER DIAGRAM	N.T.S.	√	√	√	–	–	–	–	√	–	–	√	–	–
M-39	SCHEMATICS	N.T.S.	√	√	√	–	√	–	–	√	–	√	–	–	–
M-40	DETAILS #1	N.T.S.	√	√	√	–	–	–	–	√	–	√	–	–	–
M-41	DETAILS #2	N.T.S.	–	–	√	–	–	–	–	√	√	–	–	–	–
M-42	CONTROL DETAIL DRAWING	N.T.S.	–	–	√	–	–	–	–	√	–	–	–	–	–
M-43	SCHEDULES	N.T.S.	√	√	√	√	√	–	–	√	–	–	√	–	–

LEGEND SITE MECHANICAL

SYMBOL	DESCRIPTION
	SANITARY ABOVE GRADE
	SANITARY BELOW GRADE
	STORM ABOVE GRADE
	STORM BELOW GRADE
	DOMESTIC COLD WATER
— G —	GAS LINE
— F —	FIRE LINE
	CATCH BASIN
	DOUBLE CATCH BASIN
	MAN HOLE
	CATCH BASIN MAN HOLE
(G)	GAS METER
(M)	WATER METER
RD	ROOF DRAIN
	ELBOW UP
	ELBOW DOWN
CO	WALL CLEANOUT
CO	FLOOR CLEANOUT
	SIAMESE CONNECTION
ENT. INV.	ENTERING INVERT
LVG. INV.	LEAVING INVERT

NOTES:

1. INCOMING 150φ FIRE LINE. SEE SITE SERVICE ENGINEER'S DRAWINGS FOR DETAILS.
2. INCOMING 100φ DCW. SEE SITE SERVICE ENGINEER'S DRAWINGS FOR DETAILS.
3. 300φ SAN LEAVING PIPE @ 2% AT INV. 89.00. SEE SITE SERVICE ENGINEER'S DRAWINGS FOR DETAILS.
4. 1200φ MANHOLE BY OTHERS. SEE SITE SERVICE ENGINEER'S DRAWINGS FOR DETAILS.
5. 375φ STORM LEAVING PIPE @ 2% AT INV. 91.13. SEE SITE SERVICE ENGINEER'S DRAWINGS FOR DETAILS.
6. OIL/GRIT SEPERATOR BY OTHERS. SEE SITE SERVICE ENGINEER'S DRAWINGS FOR DETAILS.
7. INCOMING GAS STATION C/W 5 LB. REGULATOR AND METERS BY ENBRIDGE.
   APPROX. BUILDING LOAD= 12,000 CFH
   APPROX. EMERGENCY GENERATOR = 2,700 CFH
   63φ (5 LB) FOR BUILDING AND 32φ (5 LB) FOR GENERATOR DOWN TO P-1.
   PROVIDE LABEL ON EMERGENCY GENERATOR SHUT-OFF VALVE: (SHUT OFF VALVE C/W LIMIT SWITCH)
   "EMERGENCY GENERATOR SUPPLY - DO NOT CLOSE".
   SEE "ENBRIDGE GAS METER/REGULATING STATION DETAIL" ON THIS DRAWING FOR DETAIL.
8. 3,300x2,250 (7.3 M^2, 78.2 FT^2) FRESH AIR INTAKE SHAFT FOR PARKING GARAGE AND 3,300x2,300 (7.6 M^2, 81.7 FT^2) INTAKE SHAFT FOR AHU-1.
9. 2,250x1,300 (2.93 M^2, 31.5 FT^2) FRESH AIR INTAKE SHAFT FOR P-1 LEVEL C/W GRATE BY OTHERS.
10. 2,250x1,300 (2.93 M^2, 31.5 FT^2) FRESH AIR INTAKE SHAFT FOR P-2 LEVEL C/W GRATE BY OTHERS.
11. 5,200x1,700 (8.84 M^2, 95 FT^2) AIR SHAFT FOR GENERATOR INTAKE & EXHAUST C/W GRATE BY OTHERS.
12. 3,100x2,000 (6.2 M^2, 68 FT^2) EXHAUST AIR SHAFT FOR P-1 & P-2 LEVEL C/W GRATE BY OTHERS.
13. EXISTING FIRE HYDRANT.
14. SIAMESE CONNECTION.
15. 3,200x3,800 WEATHERPROOF INTAKE LOUVRE C/W BIRDSCREEN.
16. 300φ GENERATOR EXHAUST C/W RAIN CAP MINIMUM 2100MM ABOVE GRADE.
17. TRENCH DRAIN TO BE HEATED TRACED BY DIV.16 AND INSULATED AND JACKETED BY DIV.15.
18. NOTE DELETED.
19. CATCH BASIN AND CONNECTION PER CIVIL ENGINEER'S DRAWING.
20. 3,740x3,800 WEATHERPROOF INTAKE LOUVRE C/W BIRDSCREEN.
21. GROUND WATER SAMPLING STATION ACCESS POINT. SEE GROUND WATER SAMPLING STATION DETAILS ON THIS DRAWING.

DATE	NO.	DESCRIPTION	BY
08/25/15	11	ISSUED FOR SITE INSTRUCTION #M-8	E.P.
08/18/15	10	ISSUED FOR SITE INSTRUCTION #M-7	E.P.
06/24/15	9	ISSUED FOR SITE INSTRUCTION #M-5	E.P.
05/12/15	8	ISSUED FOR SITE INSTRUCTION #M-4	E.P.
04/27/15	7	ISSUED FOR CITY COMMENTS	E.P.
04/21/15	6	ISSUED FOR SITE INSTRUCTION #M-3	E.P.
03/20/15	5	ISSUED FOR SITE INSTRUCTION #M-2	E.P.
02/27/15	4	ISSUED FOR SITE INSTRUCTION #M-1	E.P.
09/23/14	3	ISSUED FOR TENDER	E.P.
07/10/14	2	RE-ISSUED FOR PERMIT	E.P.
05/30/14	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 ENGINEERS AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

DRAWINGS ARE NOT TO BE SCALED

NOVA TREND ENGINEERING GROUP LTD
175 West Beaver Creek Road, Unit 31
Richmond Hill, Ontario L4B 3M1
Tel: 905 882-5445
Fax: 905 882-5447

DRAWING TITLE: SITE PLAN

PROJECT TITLE: SQ ALEXANDRA PARK BLOCK 11
38 CAMERON STREET
TORONTO ONTARIO

DRAWN BY:	CHECKED BY:	SCALE:
G.S.	E.P.	1:150
DATE: FEB, 13	PROJECT NUMBER: 1313	DRAWING NUMBER: M-1 OF 43

Drawing name: \\CADSERVER\Current Dwg\13\1313 - Alexandra Park\DIV15\1313M- 1 (SITE PLAN).dwg Plotted: Aug 25, 2015 - 10:15am