INLET CONTROL DEVICE DATA TABLE - CB 1

DESIGN EVENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m^3)	AVAILABLE STORAGE
1:2 YR	CIRCULAR PLUG c/w 165mmØ ORIFICE @ OUTLET PIPE INVERT	250mmØ PVC	65.9	1.24	66.47	0.5	45.0 m^3
1:5 YR			74.1	1.61	66.84	5.3	
1:100 YR			76.3	1.72	66.95	42.9	

PROPOSED BUILDING 'A' WATER SERVICE TABLE

STATION	SURFACE ELEVATION	T/WM ELEVATION	COMMENTS
1+00	66.87	64.35	200 x 200 x 150 SERVICE TEE (0+029.0)
1+10	66.90	64.50	- - -
1+17.2	67.08	64.68	150mmØ VALVE & VALVE BOX
1+24.3	67.33	64.70	CAP 1.0m FROM BUILDING FACE

PIPE CROSSING TABLE

CROSSING	LOWER PIPE	HIGHER PIPE	CLEARANCE	SURFACE ELEVATION
A	200mmØ SAN OBV=62.94	1050mmØ STM INV=63.50	± 0.5m	66.08 m
B	300mmØ T/WM=64.05	300mmØ STM INV=64.38	± 0.3m	66.10 m
C	200mmØ SAN OBV=62.98	300mmØ US/WM=63.70	± 0.7m	66.10 m
D	200mmØ SAN OBV=63.34	250mmØ STM INV=64.78	± 1.4m	66.91 m
E	450mmØ STM OBV=65.43	250mmØ STM INV=65.94	± 0.5m	67.00 m
F	200mmØ SAN OBV=64.56	450mmØ STM INV=64.97	± 0.4m	67.03 m

* PIPE CROSSINGS WITH WATERMAINS ARE TO BE IN ACCORDANCE WITH CITY STANDARDS W25 AND W25.2 TO AVOID CONFLICTS.

APPROVED
By Lily Xu at 5:15 pm, Sep 14, 2020

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

PROPOSED WATERMAIN TABLE

STATION	SURFACE ELEVATION	T/WM ELEVATION	COMMENTS
0+000	66.08±	64.05± *	200mmØ TEE CONNECTION TO EX. 300mmØ WM
0+004.0	66.20	63.90	CROSS BELOW EX.100mmØ GAS(±1.4m CLEARANCE)
0+005.8	66.25	63.85	PROPERTY LINE / 200mmØ VALVE & VALVE BOX
0+025	66.92	64.30	- - -
0+029.0	66.93	64.35	200 x 200 x 150 SERVICE TEE (1+00)
0+030.5	66.91	64.35	CROSS ABOVE 200mmØ SAN (±0.5m CLEARANCE)
0+032.0	66.88	64.35	CROSS BELOW 250mmØ STM (±0.5m CLEARANCE)
0+045.5	66.85	64.45	CROSS BELOW 250mmØ STM (±0.5m CLEARANCE)
0+084.1	67.17	64.65	200 x 200 x 150 HYDRANT TEE
0+100	67.20	64.65	- - -
0+150	67.30	64.65	- - -
0+169.2	67.10	64.65	200 x 200 x 200 HYDRANT TEE
0+171.2	67.09	64.65	200 x 150 REDUCER
0+173.0	67.08	64.65	150mmØ VALVE & VALVE BOX
0+179.1	67.08	64.65	CROSS BELOW 450mmØ STM (±0.3m CLEARANCE)
0+191.9	67.48	64.80	CAP 1.0m FROM BUILDING FACE

* TEE CONNECTION TO EXISTING 300mmØ WATERMAIN. EXACT ELEVATIONS TO BE FIELD DETERMINED.

** PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAILS W22 IN SHALLOW TRENCHES AND/OR W23 ADJACENT TO OPEN STRUCTURES.

*** PIPE CROSSINGS WITH WATERMAINS ARE TO BE IN ACCORDANCE WITH CITY STANDARDS W25 AND W25.2 TO AVOID CONFLICTS.

INLET CONTROL DEVICE DATA TABLE - EX. STM MH 'A'

DESIGN EVENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m^3)	AVAILABLE STORAGE
1:2 YR	CIRCULAR PLUG c/w 250mmØ ORIFICE @ OUTLET PIPE INVERT	375mmØ PVC	184.3	2.06	66.53	23.0	788.4 m^3
1:5 YR			202.7	2.49	66.96	123.1	
1:100 YR			206.9	2.60	67.07	601.7	

REFER TO PLAN 119007-NDT FOR NOTES, DETAILS AND TABLES. ALL NOTES, DETAILS AND SPECIFICATIONS ARE TO MEET THE CURRENT CITY AND PROVINCIAL STANDARDS.

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

CLIENT CONTACT INFORMATION
AMERICAN IRON & METAL (AIM)
9100 BOULEVARD HENRI-BOURASSA EAST
MONTREAL, QUEBEC, H1E 2S4
c/o Christian Brisebois, Director, Engineering and Construction
PHONE: (514) 494-2000 ext. 5975
cbrisebois@aim-global.com

No.	REVISION	DATE	BY
6	ISSUED TO CITY OF OTTAWA AND MECP	JUN 30/20	FST
5	ISSUED FOR PERMIT	JUN 26/20	FST
4	REVISED PER CITY COMMENTS / UPDATED SITE PLAN	MAY 29/20	FST
3	RE-ISSUED FOR SITE PLAN APPROVAL	MAR 26/20	FST
2	REVISED PER CITY COMMENTS / UPDATED SITE PLAN	JAN 31/20	FST
1	ISSUED FOR SITE PLAN APPROVAL	JUL 18/19	FST

SCALE 1:500

DESIGN SM
CHECKED FST
DRAWN SM / BF
CHECKED SM / FST
APPROVED FST

FOR REVIEW ONLY

LICENSED PROFESSIONAL ENGINEER F.S. THAUVETTE 100041399 June 30, 2020 PROVINCE OF ONTARIO

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
2555 SHEFFIELD ROAD

DRAWING NAME
GENERAL PLAN OF SERVICES

PROJECT No. 119007
REV # 6
DRAWING No. 119007-GP

D07-12-19-0124

18013

M:\2019\119007\CAD\Design\119007-GP.dwg, GP, Jun 30, 2020 - 11:52am, smatthews