

## CATCH-BASIN & MANHOLE SCHEDULE

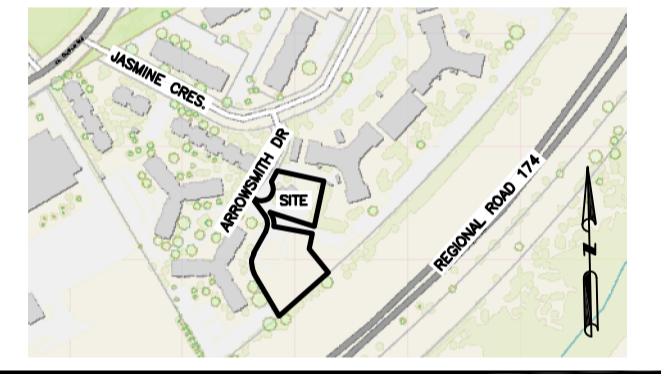
REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
<b>STORM SEWER</b>						
CB-1	70.91	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	69.42	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19
CB-2	70.26	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	69.42	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19
CB/MH-3	70.86	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	69.30(SE)	69.30(N)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
CB-4	70.91	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	69.40	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19
CB-5A	71.38	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	69.35	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19
CB/MH-5B	71.10	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	69.23(NE)	69.23(W)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
CB/MH-5	70.97	1200mm	PRECAST CONCRETE CATCH-BASIN/MANHOLE	69.13(E) 69.13(S)	69.13(W)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
CB-6	70.86	600mm x 600mm	PRECAST CONCRETE CATCH-BASIN	-	69.27	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19
MH-7	71.10	1200mm	PRECAST CONCRETE MANHOLE	69.11(E)	69.11(NW)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010  ICD IN OUTLET PIPE
MH-8	71.32	CDS PMSU2015-4	PRECAST CONCRETE MANHOLE	69.01(SE)	69.00(N)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS EXCEPT WITH A DEEP SUMP AS REQUIRED BY CDS
MH-9	71.33	1500mm	PRECAST CONCRETE MANHOLE	68.92(S) 68.70(W)	68.67(NE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010
MH-9A	71.19	1200mm	PRECAST CONCRETE MANHOLE	±68.98(S) ±68.96(SW)	68.73(E)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010
MH-10	±71.67	1200mm	PRECAST CONCRETE MANHOLE	68.53(SW)	68.50(N)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010
MH-11	±71.39	1500mm	PRECAST CONCRETE MANHOLE	68.38(S) ±68.34(SW)	±68.32(NE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010
<b>SANITARY SEWER</b>						
MH-SA.1	71.63	1200mm	PRECAST CONCRETE MANHOLE	68.75(E)	68.69(SE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24 OR OPSD 401.010
MH-SA.2	±71.05	1200mm	PRECAST CONCRETE MANHOLE	68.56(NE)	68.53(SE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24 OR OPSD 401.010
MH-SA.3	71.27	1200mm	PRECAST CONCRETE MANHOLE	68.37(NW)	68.31(SW)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24 OR OPSD 401.010

## WATER SERVICE PROFILE TABLE

MATERIAL:  
150mm PVC PRESSURE CLASS 150 DR18

STATION	DESCRIPTION	GRADE ELEVATION	TOP OF PIPE	DEPTH OF COVER	NOTES
A+00.0	200mm x 150mm TEE CONNECTION IN 200mm MUNICIPAL WATERMAIN TO CITY OF OTTAWA STANDARDS  ANGLE TEE CONNECTION UP AT 22.5 DEG.	±71.42	±69.32	±2.10	START OF 75mm THICK INSULATION AS PER CITY OF OTTAWA DRAWING No. W22
A+01.0	22.5' VERTICAL BEND DOWN TO CITY OF OTTAWA STANDARDS	±71.40	69.75	±1.65	-
A+04.3	-	71.36	69.75	1.61	CROSSING 600 ST TOP 69.35 WM U/S 69.60 - 250mm CLEARANCE (MIN. 250mm REQ'D)
A+06.8	150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS	71.40	69.75	1.65	ON PROPERTY LINE
A+7.8	22.5' VERTICAL BEND DOWN TO CITY OF OTTAWA STANDARDS	71.41	69.75	1.66	-
A+08.3	-	71.42	69.55	1.87	BOTTOM OF CURB
A+09.2	22.5' VERTICAL BEND UP TO CITY OF OTTAWA STANDARDS	71.58	69.18	2.40	END OF 75mm THICK INSULATION AS PER CITY OF OTTAWA DRAWING No. W22
A+10.3 B+00.0	150mm x 150mm TEE (TO FIRE HYDRANT) TO CITY OF OTTAWA STANDARDS	71.59	69.19	2.40	-
A+16.2	-	71.70	69.30	2.40	CROSSING 200 ST INV 69.60 - 300mm CLEARANCE (MIN. 300mm REQ'D)
A+16.9	22.5' HORIZONTAL BEND TO CITY OF OTTAWA STANDARDS	71.71	69.31	2.40	-
A+17.4	-	71.72	69.32	2.40	CROSSING 150 SAN TOP 68.92 WM U/S 69.17 - 250mm CLEARANCE (MIN. 250mm REQ'D)
A+19.1	-	71.73	69.33	2.40	ENTRY INTO BUILDING
A+10.3 B+00.0	150mm x 150mm TEE (TO FIRE HYDRANT) TO CITY OF OTTAWA STANDARDS	71.59	69.19	2.40	-
B+00.6	150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS	71.59	69.19	2.40	-
B+01.5	FIRE HYDRANT TO CITY OF OTTAWA STANDARDS	71.59	69.19	2.40	-
C+00.0	200mm x 150mm TEE CONNECTION IN 200mm MUNICIPAL WATERMAIN TO CITY OF OTTAWA STANDARDS  ANGLE TEE CONNECTION DOWN AT 22.5'	±71.30	±69.20	±2.10	START OF 50mm THICK INSULATION AS PER CITY OF OTTAWA DRAWING No. W22
C+02.6	22.5' VERTICAL BEND UP TO CITY OF OTTAWA STANDARDS	±71.28	68.12	±3.16	END OF 50mm THICK INSULATION AS PER CITY OF OTTAWA DRAWING No. W22
C+03.9	-	±71.24	68.12	±3.12	CROSSING 600 ST U/S 68.62 WM TOP 68.12 - 500mm CLEARANCE (MIN. 500mm REQ'D)
C+04.9	22.5' VERTICAL BEND UP TO CITY OF OTTAWA STANDARDS	±71.22	68.12	±3.10	-
C+05.7	22.5' VERTICAL BEND DOWN TO CITY OF OTTAWA STANDARDS	±71.21	68.44	±2.77	-
C+10.9	-	71.34	68.44	2.90	CROSSING 375 ST INV 68.94 WM TOP 68.44 - 500mm CLEARANCE (MIN. 500mm REQ'D)
C+12.5	45' HORIZONTAL BEND TO CITY OF OTTAWA STANDARDS	71.37	68.44	2.93	-
C+13.5	45' VERTICAL BEND UP TO CITY OF OTTAWA STANDARDS	71.38	68.44	2.94	-
C+14.3	45' VERTICAL BEND DOWN TO CITY OF OTTAWA STANDARDS	71.40	69.27	2.13	START OF 50mm THICK INSULATION AS PER CITY OF OTTAWA DRAWING No. W22
C+15.5	150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS	71.41	69.27	2.14	-
C+16.1	-	71.42	69.27	2.15	BOTTOM OF CURB
C+17.1	-	71.59	69.27	2.32	CROSSING 200 SAN TOP 68.87 WM U/S 69.12 - 250mm CLEARANCE (MIN. 250mm REQ'D)
C+18.4	22.5' HORIZONTAL BEND TO CITY OF OTTAWA STANDARDS	71.62	69.27	2.35	-
C+23.1	-	71.73	69.27	2.46	ENTRY INTO BUILDING END OF 50mm THICK INSULATION AS PER CITY OF OTTAWA DRAWING No. W22

### KEY PLAN



No.	DATE	REVISION
8	FEB 24-26	RE-ISSUED FOR APPROVAL
7	JAN 27-26	ISSUED FOR TENDER
6	DEC 10-25	RE-ISSUED FOR APPROVAL
5	JAN 17-25	ISSUED FOR ZONING
4	DEC 6-24	ISSUED FOR BUILDING PERMIT
3	AUG 14-23	RE-ISSUED FOR APPROVAL SAN SERVICE REVISED (MHS ADDED)
2	DEC 21-22	ISSUED FOR APPROVAL
1	DEC 19-22	ISSUED FOR COORDINATION

### D. B. GRAY ENGINEERING INC.

Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermain  
700 Long Point Circle 613-425-8044  
Ottawa, Ontario d.gray@dbgrayengineering.com

Project

**PROPOSED 6-STORY  
MIXED-USE BUILDING  
2040 ARROWSMITH DRIVE  
OTTAWA, ONTARIO**

Drawing Title

**SCHEDULES**

	Engineer's Seal	Drawn D.B.G.
	H. Scale	V. Scale
	Date NOV 29-22	Job No. 22062
	Drawing No.	C-11 of 18

NOT VALID UNLESS SIGNED & DATED