

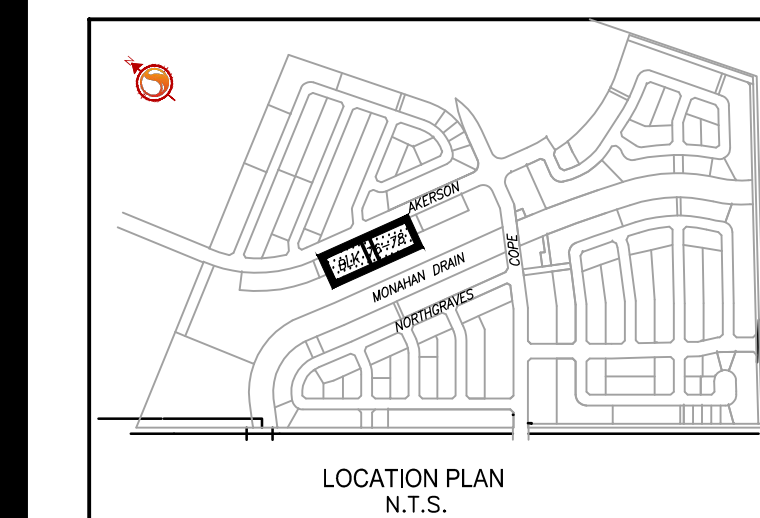


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Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING REDUCER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN
- INSULATION AS PER CITY STANDARD W22 WHERE MIN. 2.4m COVER FOR WATERMAIN. 2.0m COVER FOR STORM SEWERS OR 2.5m FOR SANITARY SEWERS IS NOT PROVIDED.

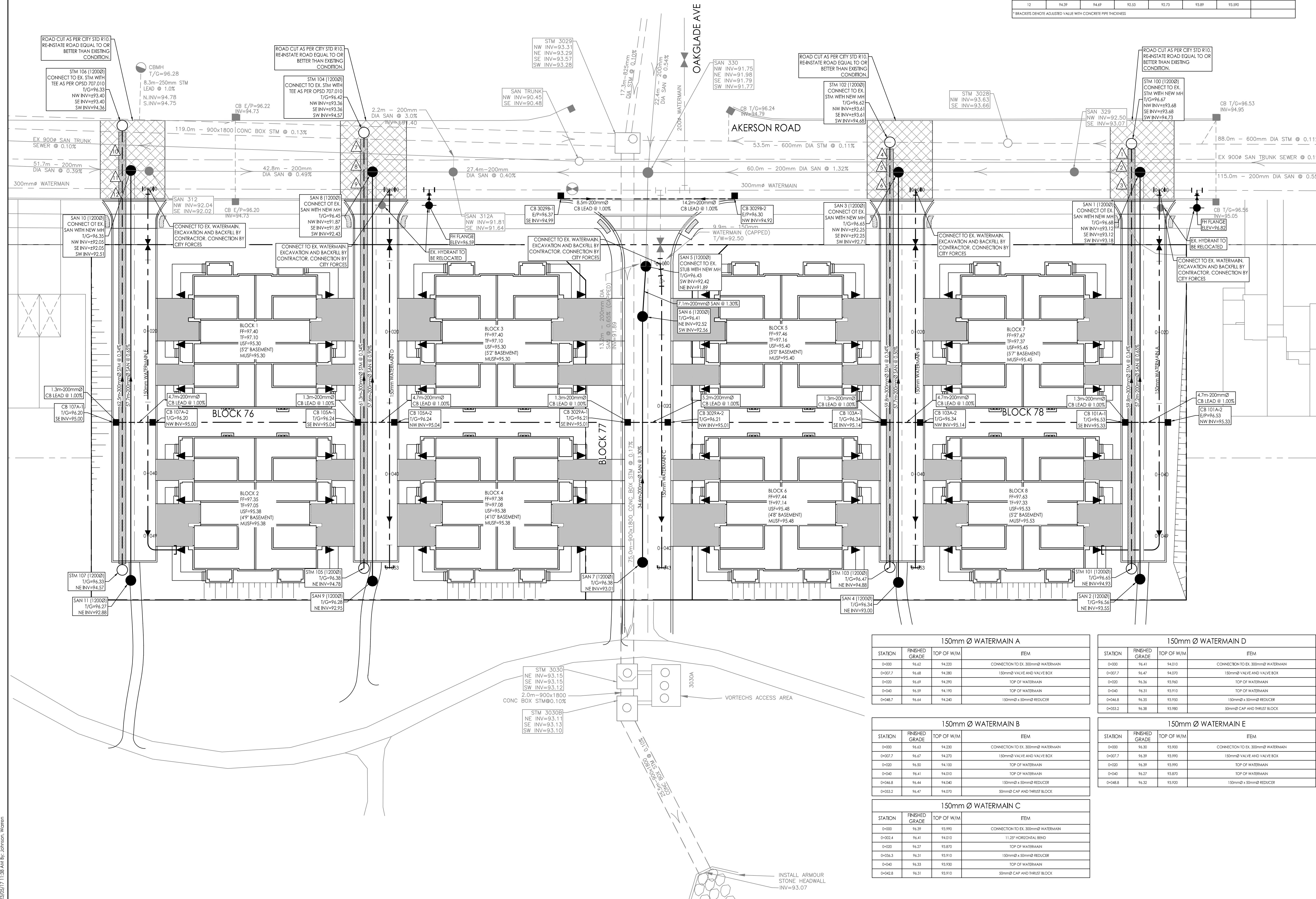


SCHEDULE OF INLET CONTROL DEVICES

STRUCTURE ID	DRAINAGE AREA ID	OFFICE SIZE/TYPE	OFFICE INVERT (m)	100 YEAR HEAD (m)	100 YEAR RELEASE RATE (L/s)
CB101A-1	C101A	85mm IPEX TEAPEST HF	95.33	1.28	16
CB101A-2	C101A	85mm IPEX TEAPEST HF	95.33	1.28	16
CB102A-1	C102A	102mm IPEX TEAPEST HF	95.14	1.32	23
CB102A-2	C102A	102mm IPEX TEAPEST HF	95.14	1.32	23
CB3029A-1	CB3029A	37mm IPEX TEAPEST HF	95.01	1.47	38
CB3029A-2	CB3029A	37mm IPEX TEAPEST HF	95.01	1.47	25
CB105A-1	C105A	102mm IPEX TEAPEST HF	95.54	1.31	23
CB105A-2	C105A	102mm IPEX TEAPEST HF	95.54	1.31	23
CB107A-1	C107A	85mm IPEX TEAPEST HF	95.00	1.29	16
CB107A-2	C107A	85mm IPEX TEAPEST HF	95.00	1.29	16

SEWER AND WATERMAIN CROSSING TABLE

CROSSING	STM INV.	STM OSV.	SAN INV.	SAN OSV.	WTR TOP	WTR BTM	NOTES
1	94.74	95.04	95.37 (90.45)	91.47 (91.59)			
2	94.75	95.05	95.31	93.31			
3	94.76	95.06	95.20	93.40	94.26		93.90
4	94.68	94.98	95.33 (90.41)	91.43 (91.55)			
5	94.69	94.99	95.24	92.44			
6	94.70	95.00	95.22	92.92	94.30		93.90
7	94.58	94.88	95.42 (90.30)	91.32 (91.44)			
8	94.59	94.89	91.85	92.05			
9	94.60	94.90	92.45	92.65	94.10		93.80
10	94.37	94.67	90.39 (90.27)	91.29 (91.41)			
11	94.38	94.68	92.51	92.71			
12	94.39	94.69	92.53	92.73	93.89		93.90



150mm Ø WATERMAIN A			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	96.02	94.225	CONNECTION TO EX. 300mmØ WATERMAIN
0+00.7	96.08	94.280	150mmØ VALVE AND VALVE BOX
0+02	96.09	94.290	TOP OF WATERMAIN
0+04	96.39	94.190	TOP OF WATERMAIN
0+04.7	96.44	94.240	150mmØ x 50mmØ REDUCER

150mm Ø WATERMAIN B			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	96.63	94.230	CONNECTION TO EX. 300mmØ WATERMAIN
0+00.7	96.67	94.270	150mmØ VALVE AND VALVE BOX
0+02	96.50	94.100	TOP OF WATERMAIN
0+04	96.41	94.010	TOP OF WATERMAIN
0+04.8	96.44	94.040	150mmØ x 50mmØ REDUCER
0+05.2	96.47	94.070	50mmØ CAP AND THRUST BLOCK

150mm Ø WATERMAIN C			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	96.39	93.990	CONNECTION TO EX. 300mmØ WATERMAIN
0+00.4	96.41	94.010	11.25' HORIZONTAL BEND
0+02	96.27	93.870	TOP OF WATERMAIN
0+03.3	96.31	93.910	150mmØ x 50mmØ REDUCER
0+04	96.33	93.930	TOP OF WATERMAIN
0+04.8	96.31	93.910	50mmØ CAP AND THRUST BLOCK

150mm Ø WATERMAIN D			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	96.41	94.010	CONNECTION TO EX. 300mmØ WATERMAIN
0+00.7	96.47	94.070	150mmØ VALVE AND VALVE BOX
0+02	96.36	93.960	TOP OF WATERMAIN
0+04	96.31	93.910	TOP OF WATERMAIN
0+04.8	96.35	93.950	150mmØ x 50mmØ REDUCER
0+05.2	96.38	93.980	50mmØ CAP AND THRUST BLOCK

150mm Ø WATERMAIN E			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	96.30	93.900	CONNECTION TO EX. 300mmØ WATERMAIN
0+00.7	96.39	93.990	150mmØ VALVE AND VALVE BOX
0+02	96.39	93.990	TOP OF WATERMAIN
0+04	96.27	93.870	TOP OF WATERMAIN
0+04.8	96.32	93.920	150mmØ x 50mmØ REDUCER

Revision

NO.	ISSUED FOR REVIEW	DATE	BY	APP'D.
1		23.05.17	W.A.J.	K.J.K.

Permit-Seal

File Name: 160401706-Detailed-DB.dwg

Client/Project: CAVANAGH CONSTRUCTION LTD.

Trail West AKERSON ROAD BLOCKS 76, 77 & 78
Ottawa, ON, Canada

Title: SITE SERVICING PLAN

Professional Engineer Seal: R. J. B. BRANDRICK, 100570025, May 17 2023, PROVINCE OF ONTARIO

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ORIGINAL SHEET - ARCH D