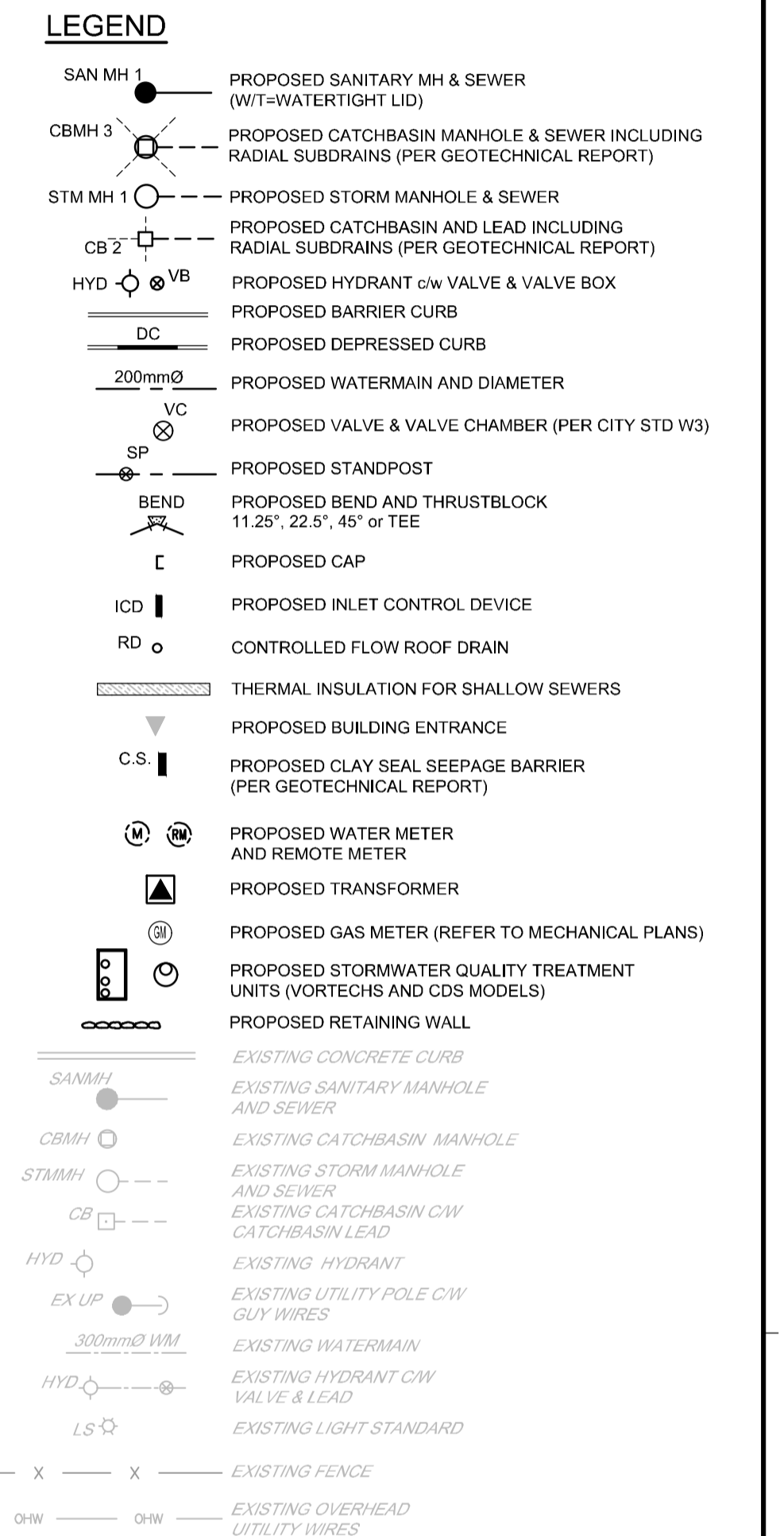
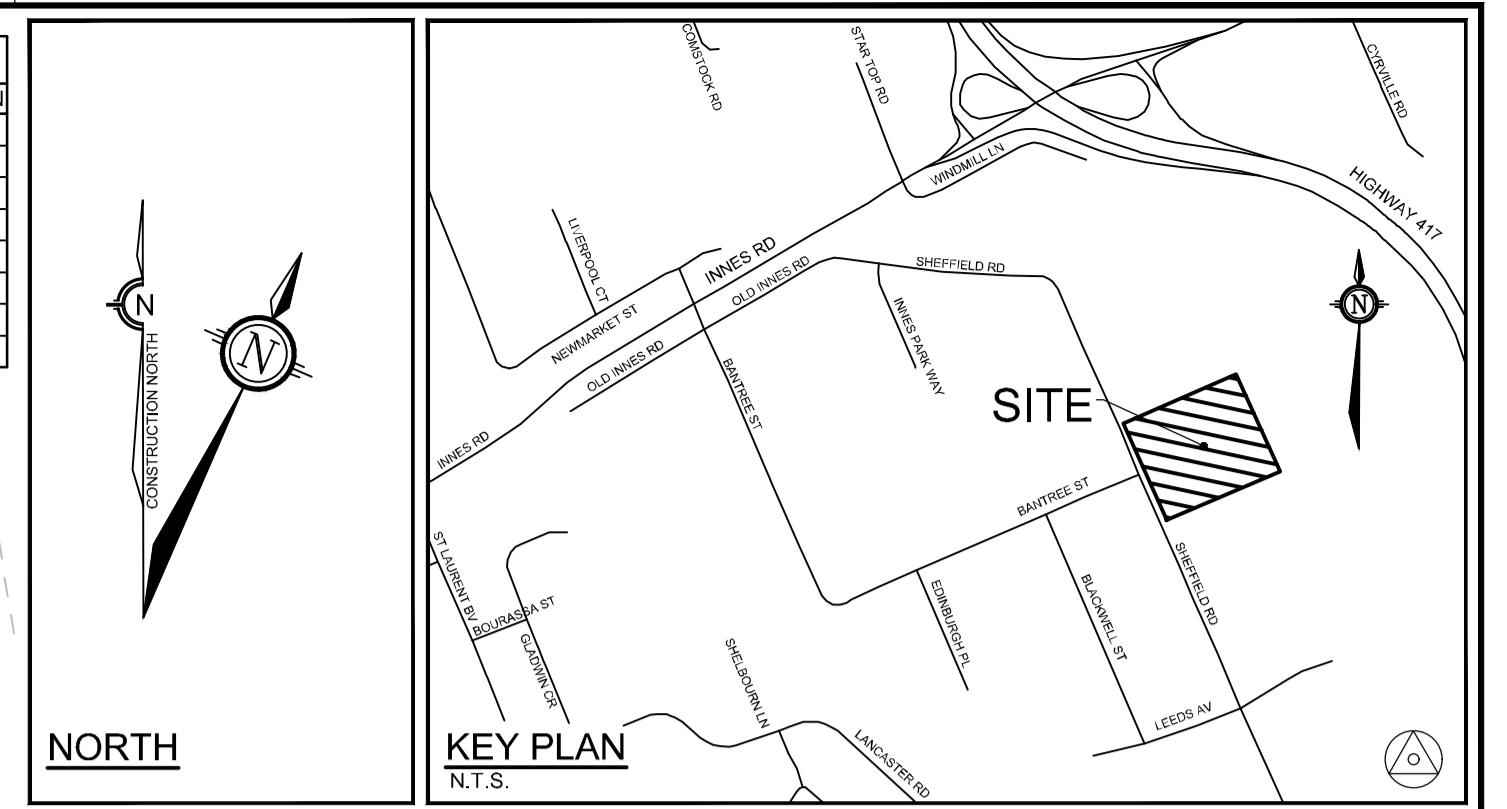


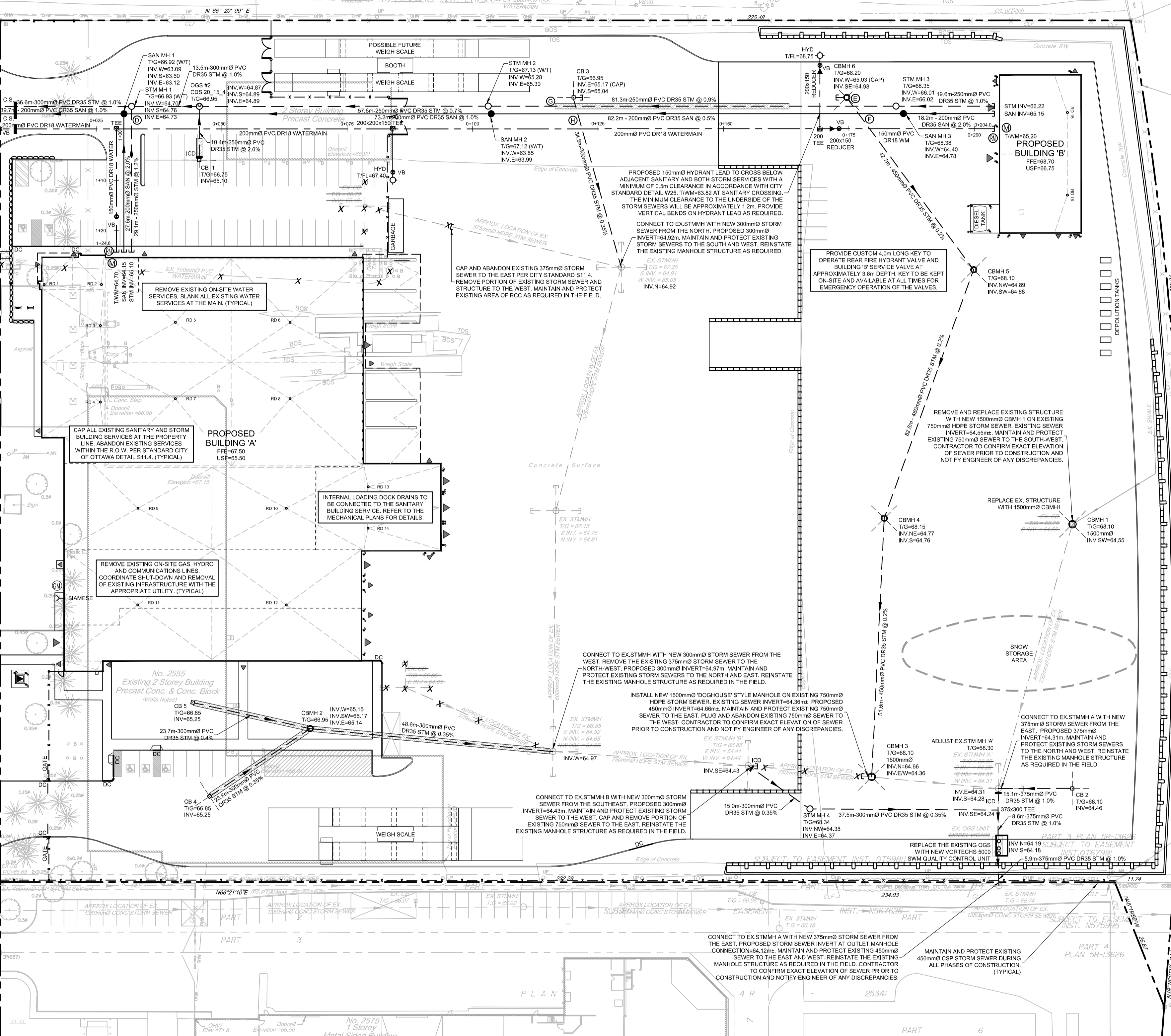
INLET CONTROL DEVICE DATA TABLE - CB 1						
DESIGN EVENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m³)
1:2 YR	CIRCULAR PLUG c/w		65.9	1.24	66.47	0.5
1:5 YR	165mmØ ORIFICE @	250mmØ PVC	74.1	1.61	66.84	5.3
1:100 YR	OUTLET PIPE INVERT		76.3	1.72	66.95	42.9

PROPOSED BUILDING 'A' WATER SERVICE TABLE				
STATION	SURFACE ELEVATION	T/W/E ELEVATION	COMMENTS	
1+00	66.87	64.35	200 x 200 x 150 SERVICE TEE (Ø=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 ØBV=62.94	1050mmØ STM INV=63.50	±0.5m	66.08 m
(B)	300mmØ T/W=64.05	300mmØ STM INV=64.38	±0.3m	66.10 m
(C)	200mmØ SAN ØBV=62.98	300mmØ US/W=63.70	±0.7m	66.10 m
(D)	200mmØ SAN ØBV=63.34	250mmØ STM INV=64.78	±1.4m	66.91 m
(E)	450mmØ STM ØBV=65.43	250mmØ STM INV=65.94	±0.5m	67.00 m
(F)	200mmØ SAN ØBV=64.56	450mmØ STM INV=64.97	±0.4m	67.03 m
(G)	300mmØ STM ØBV=65.33	250mmØ STM INV=65.46	±0.13m	67.00 m
(H)	200mmØ SAN ØBV=64.28	300mmØ STM INV=65.02	±0.7m	67.18 m



PROPOSED WATERMAIN TABLE				
STATION	SURFACE ELEVATION	T/W/E 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+121.7	67.25	64.65	CROSS BELOW 300mmØ STM (±0.4m CLEARANCE)	
0+150	67.56	64.65	---	
0+169.2	68.35	64.65	200 x 200 x 200 HYDRANT TEE	
0+171.2	68.32	64.65	200 x 150 REDUCER	
0+173.0	68.30	64.65	150mmØ VALVE & VALVE BOX	
0+179.1	68.32	64.65	CROSS BELOW 450mmØ STM (±0.3m CLEARANCE)	
0+200	68.62	64.95	---	
0+204.0	68.68	65.20	CAP 1.0m FROM BUILDING FACE	



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

INLET CONTROL DEVICE DATA TABLE - EX. STM MH 'B'						
DESIGN EVENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	AVAILABLE STORAGE
1:2 YR	CIRCULAR PLUG c/w		112.5	2.19	67.77	
1:5 YR	210mmØ ORIFICE @	300mmØ PVC	117.6	2.44	67.02	84.5 m³
1:100 YR	OUTLET PIPE INVERT		120.0	2.53	67.11	315 m³

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)	AVAILABLE STORAGE
1:2 YR	SLIDE-IN-PLATE ICD c/w		49.4	2.30	67.76	
1:5 YR	127mmØ ORIFICE @	375mmØ PVC	61.9	3.51	67.97	28 m³
1:100 YR	OUTLET PIPE INVERT		64.8	3.84	68.30	196 m³

NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, 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
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No.	REVISION	DATE	BY	No.	REVISION	DATE	BY
8	ISSUED FOR ADDENDUM 02			7	ISSUED FOR TENDER		
7	ISSUED FOR TENDER			6	ISSUED TO CITY OF OTTAWA AND MECP		
6	ISSUED TO CITY OF OTTAWA AND MECP			5	ISSUED FOR PERMIT		
5	ISSUED FOR PERMIT			4	REVISED PER CITY COMMENTS / UPDATED SITE PLAN		
4	REVISED PER CITY COMMENTS / UPDATED SITE PLAN			3	RE-ISSUED FOR SITE PLAN APPROVAL		
3	RE-ISSUED FOR SITE PLAN APPROVAL			2	REVISED PER CITY COMMENTS / UPDATED SITE PLAN		
2	REVISED PER CITY COMMENTS / UPDATED SITE PLAN			1	ISSUED FOR SITE PLAN APPROVAL		
1	ISSUED FOR CONSTRUCTION						

SCALE: 1:500

DESIGN: SM

CHECKED: FST

DRAWN: SM / BF

CHECKED: SM / FST

APPROVED: FST

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DRAWING NAME
GENERAL PLAN OF SERVICES

PROJECT No. 119007

REV # 11

DRAWING No. 119007-GP

18013

D07-12-19-0124