

**LEGEND**

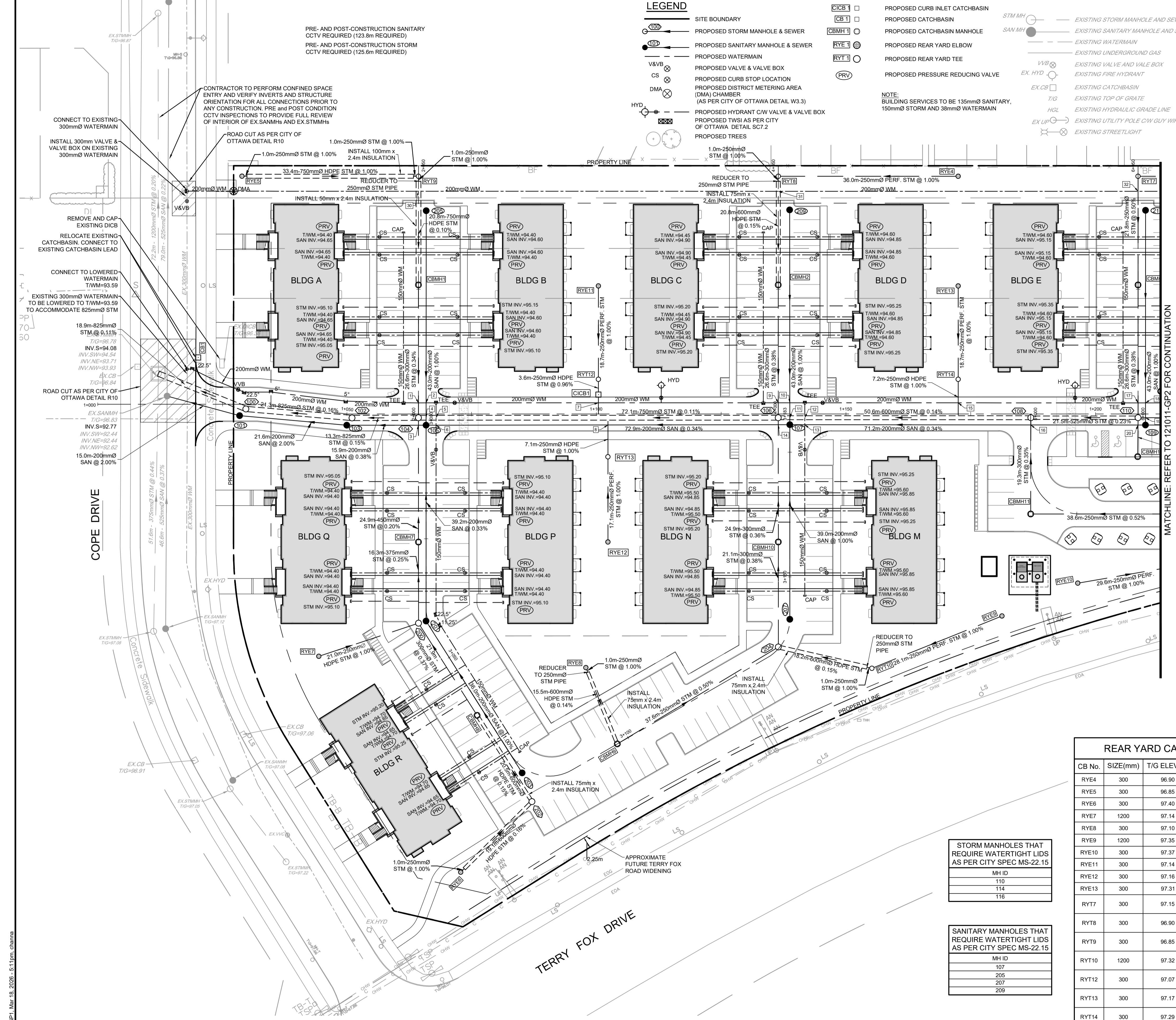
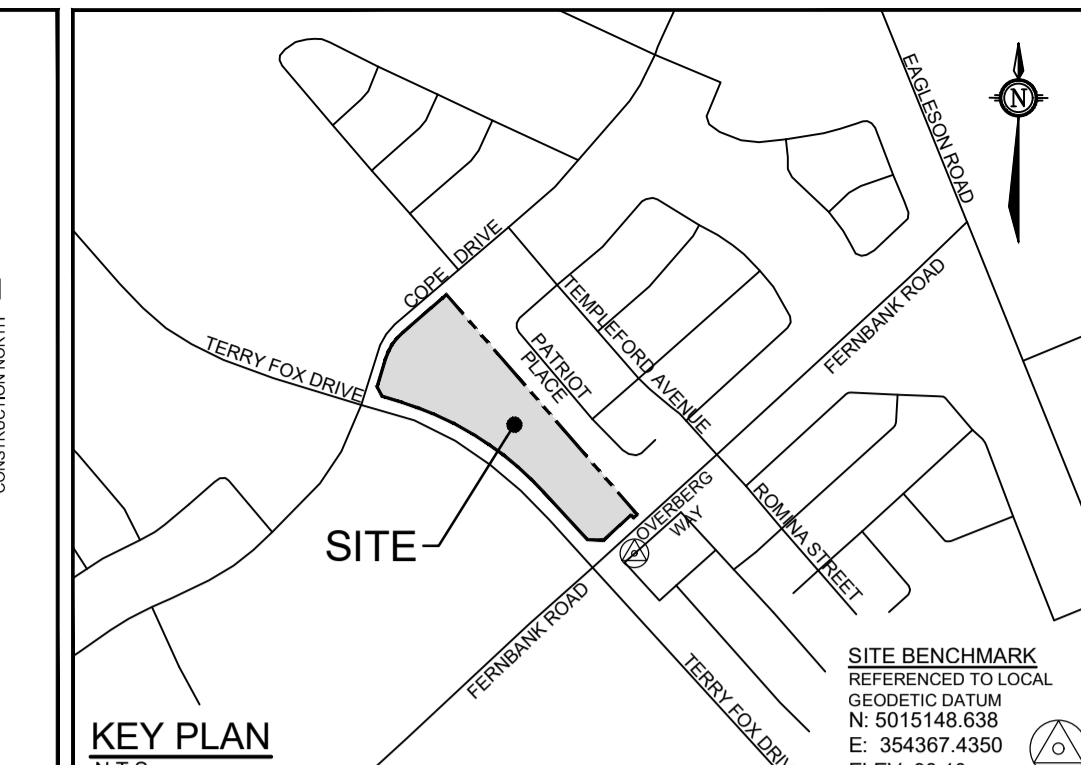
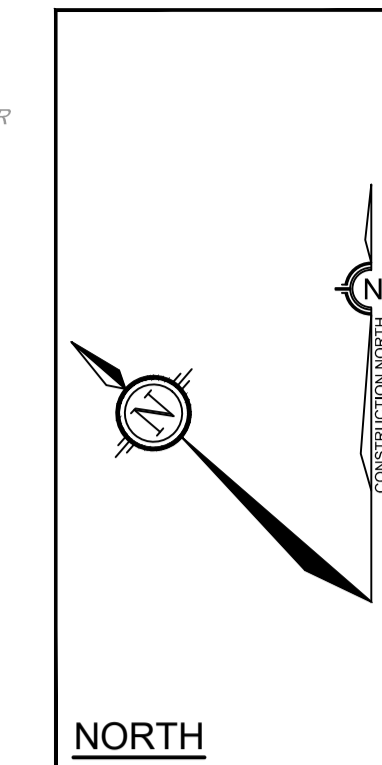
- SITE BOUNDARY
- PROPOSED STORM MANHOLE & SEWER
- PROPOSED SANITARY MANHOLE & SEWER
- PROPOSED WATERMAIN
- PROPOSED VALVE & VALVE BOX
- PROPOSED CURB STOP LOCATION
- PROPOSED DISTRICT METERING AREA (DMA) CHAMBER (AS PER CITY OF OTTAWA DETAIL W3.3)
- PROPOSED HYDRANT C/W VALVE & VALVE BOX
- PROPOSED TWSI AS PER CITY OF OTTAWA DETAIL SCT.2
- PROPOSED TREES

- C/CB 1
- CB 1
- CBMH 1
- RYE 1
- RYT 1
- PRV

- PROPOSED CURB INLET CATCHBASIN
- PROPOSED CATCHBASIN
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED REAR YARD ELBOW
- PROPOSED REAR YARD TEE
- PROPOSED PRESSURE REDUCING VALVE

- EXISTING STORM MANHOLE AND SEWER
- EXISTING SANITARY MANHOLE AND SEWER
- EXISTING WATERMAIN
- EXISTING UNDERGROUND GAS
- EXISTING VALVE AND VALVE BOX
- EXISTING FIRE HYDRANT
- EXISTING CATCHBASIN
- EXISTING TOP OF GRATE
- EXISTING HYDRAULIC GRADE LINE
- EXISTING UTILITY POLE C/W GUY WIRES
- EXISTING STREETLIGHT

NOTE:  
BUILDING SERVICES TO BE 150mmØ SANITARY,  
150mmØ STORM AND 38mmØ WATERMAIN



**PIPE CROSSING TABLE**

CROSSING #	WATERMAIN	SANITARY	STORM
1	INV = 92.98 OBV = 93.18	INV = 92.72 OBV = 93.92	INV = 94.69 OBV = 94.99
2	INV = 92.98 OBV = 93.18	INV = 93.02 OBV = 93.82	INV = 94.53 OBV = 94.98
3	INV = 93.00 OBV = 93.10	INV = 93.69 OBV = 93.89	INV = 94.23 OBV = 94.98
4	INV = 93.00 OBV = 93.10	INV = 93.66 OBV = 93.86	INV = 94.23 OBV = 94.98
5	INV = 93.26 OBV = 93.46	INV = 93.77 OBV = 93.97	INV = 95.41 OBV = 95.07
6	INV = 93.26 OBV = 93.46	INV = 93.97 OBV = 94.17	INV = 94.46 OBV = 95.06
7	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
8	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
9	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
10	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
11	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
12	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
13	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
14	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
15	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
16	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
17	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
18	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
19	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
20	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
21	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
22	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
23	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
24	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
25	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
26	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
27	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
28	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
29	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
30	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
31	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07
32	INV = 93.30 OBV = 93.40	INV = 93.94 OBV = 94.14	INV = 94.47 OBV = 95.07

**SAN MANHOLE TABLE**

MANHOLE ID	SIZE(mm)	STATION	T/G ELEV(m)	INVERT(m)
101	1200	1+028.42	96.94	SE=93.10 NW=93.07
103	1200	1+050.12	97.04	SE=93.56 NW=93.53
105	1200	1+065.88	97.04	NE=93.68 NW=93.62 SE=93.65 SW=93.68
107	1200	1+138.76	97.10	SE=93.93 NW=93.90 SW=93.96 NE=93.96
109	1200	1+210.01	97.35	SE=94.20 NW=94.17 NE=94.23 SW=94.23
201	1200	3+041.42	97.14	SE=93.84 NW=93.81
203	1200	3+077.08	97.23	NE=94.20
205	1200	2+040.73	97.00	SW=94.11
207	1200	3+141.50	97.01	NE=94.35
209	1200	4+040.90	97.07	SW=94.39
211	1200	6+040.80	97.33	SW=94.66

**STM MANHOLE TABLE**

MANHOLE ID	SIZE(mm)	STATION	T/G ELEV(m)	INVERT(m)
100	1500	1+029.68	96.96	N=94.10 SE=94.10
102	1500	1+051.06	97.03	SE=94.13 NW=94.13
104	1800	1+064.37	97.03	SE=94.23 SW=94.53 NE=94.68 NW=94.15
106	1500	1+136.45	97.11	SE=94.46 NE=94.76 NW=94.31 SW=94.76
108	1200	1+187.05	97.28	SE=94.60 NW=94.83 NW=94.53
110	1200	1+208.53	97.36	SE=94.65 NE=94.88 NW=94.65 SW=94.98
200	1200	3+041.42	97.14	NE=94.69 SE=94.77 NW=94.82
202	1500	3+080.10	97.38	N=94.88 W=94.88
204	1200	3+135.29	97.10	W=94.98 NE=94.93 SE=94.98

**REAR YARD CATCHBASIN TABLE**

CB No.	SIZE(mm)	T/G ELEV(m)	INVERT(m)	ICD SIZE (mm)
RYE4	300	96.90	NW=95.26	
RYE5	300	96.85	SE=95.15	
RYE6	300	97.40	E=94.92	
RYE7	1200	97.14	SE=95.03	94mmØ PLATE
RYE8	300	97.10	SW=95.20	
RYE9	1200	97.35	NW=95.30	
RYE10	300	97.37	SE=95.47	
RYE11	300	97.14	SW=95.64	
RYE12	300	97.16	NE=95.76	
RYE13	300	97.31	SW=95.91	
RYT7	300	97.15	SW=95.14 SE=95.14	
RYT8	300	96.90	SW=94.90 SE=94.90	
RYT9	300	96.85	SW=94.90 NW=94.80	
RYT10	1200	97.32	NW=95.02 SE=95.02	
RYT12	300	97.07	NE=95.45 SW=95.45	
RYT13	300	97.17	SW=95.59 NE=95.59	83mmØ PLATE
RYT14	300	97.29	NE=95.72 SW=95.72	83mmØ PLATE

**CATCHBASIN TABLE**

CB No.	SIZE(mm)	STATION	T/G ELEV(m)	INVERT(m)	ICD DIA (mm)
CB1	600 x 600	1+019.58	96.77		
CBMH1	1500	2+025.87	96.74	SW=94.77 NE=94.77	TEMPEST LMF VORTEX 45
CBMH2	1500	4+025.87	96.84	SW=94.86 NE=94.86	83mmØ PLATE
CBMH3	1200	6+025.86	97.10	SW=94.98 NE=95.03	83mmØ PLATE
CBMH7	1200	3+025.66	96.78	SW=94.65 NE=94.58	
CBMH8	1200	3+062.79	96.92	S=94.85 N=94.85	TEMPEST LMF VORTEX 70
CBMH9	1200	3+097.52	97.14	E=95.17 NE=95.17	
CBMH10	1200	3+157	96.86	SW=94.85 NE=94.85	83mmØ PLATE
CBMH11	1800	5+017.92	97.08	NE=94.90 SE=94.95	83mmØ PLATE
CBMH13	1200	1+208.45	97.23	NE=94.91 SW=95.42	83mmØ PLATE
CICB1	600 x 600	1+100.41	96.99	NE=95.42 SW=95.42	83mmØ PLATE

**STORM MANHOLES THAT REQUIRE WATERTIGHT LIDS AS PER CITY SPEC MS-22.15**

MH ID
110
114
116

**SANITARY MANHOLES THAT REQUIRE WATERTIGHT LIDS AS PER CITY SPEC MS-22.15**

MH ID
107
205
207
208

**REVISIONS**

No.	REVISION	DATE	BY
7.	REVISED PER CITY COMMENTS	MAR 18/26	DOB
6.	REVISED SITE PLAN SUBMISSION	NOV 14/25	DOB
5.	RE-ISSUED FOR TENDER	JAN 18/24	DOB
4.	ISSUED FOR TENDER	MAY 20/22	DOB
3.	REVISED PER CITY COMMENTS	FEB 17/22	DOB
2.	REVISED PER CITY COMMENTS	NOV 5/21	DOB
1.	ISSUED FOR CITY OF OTTAWA REVIEW	JUN 2/21	DOB

**SCALE**

1:400

0 4 8 12 16

**FOR REVIEW ONLY**

DESIGN: BM  
CHECKED: DDB  
DRAWN: ATE  
CHECKED: BM  
APPROVED: DDB

**PROFESSIONAL ENGINEER**

D. D. BLAIR  
100122737  
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PROVINCE OF ONTARIO

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**CITY OF OTTAWA**  
5331 FERNBANK ROAD  
IRON VALLEY 2

**DRAWING NAME**  
GENERAL PLAN OF SERVICES

PROJECT No.: 121011-00  
REV: REV #7  
DRAWING No.: 121011-GP1  
#18539

M:\2021\121011\121011-GP.dwg, GP1, Mar 18, 2026 - 5:11pm, channa