SAN MANHOLE TABLE

MANHOLE ID	STATION	DIAMETER	T/G ELEV	INVERT
100	1+046.22	1200mm	97.52	NE=95.08
101	1+123.02	1200mm	97.76	SW=94.58 NE=94.57
102	1+197.94	1200mm	97.53	SW=94.30 NE=94.29 SE=94.34
103	1+274.98	1200mm	97.57	SW=94.01 E=93.98
104	1+288.03	1200mm	97.50	W=93.93 E=93.90 N=93.95
105	1+312.65	1200mm	97.37	W=93.81 SE=93.77
106	1+394.12	1200mm	97.42	NW=93.48 SE=93.47
107	1+471.64	1200mm	97.43	NW=93.19 SE=93.18 SW=93.23
108	1+519.64	1200mm	97.11	NW=93.01 SE=93.00 SW=93.05
109	1+559.81	1200mm	96.84	NW=92.86 SE=92.85
110	3+018.55	1200mm	97.47	NW=94.40 SE=94.41
111	3+049.11	1200mm	97.82	NW=94.61 SE=94.64
112	3+083.26	1200mm	98.22	NW=94.86 S=94.89
113	3+092.11	1200mm	98.33	N=94.95 SW=94.75
114	3+214.84	1200mm	98.10	NE=94.31 S=94.28
115	3+228.90	1200mm	98.14	N=94.23 SE=94.20
116	3+260.62	1200mm	98.00	NW=94.08 E=94.07
117	3+318.77	1200mm	98.07	W=93.86 E=93.85 N=94.03
118	3+359.32	1200mm	97.85	W=93.70 NE=93.67
119	3+368.54	1200mm	97.80	SW=93.63 N=93.60
120	3+411.25	1200mm	97.91	S=93.44 NE=93.43
121	3+435.17	1200mm	97.88	SW=93.34 NE=93.33
122	3+459.09	1200mm	97.61	SW=93.24 NE=93.23
123	4+061.07	1200mm	97.95	S=93.71 NE=93.70
124	4+092.53	1200mm	97.86	SW=93.59 NE=93.58
125	4+135.99	1200mm	97.47	SW=93.42 NE=93.41
149	1+290.02	1200mm	97.39	S=94.06

STM MANHOLE TABLE

MANHOLE ID	STATION	DIAMETER	T/G ELEV	INVERT
200	1+044.81	1200mm	97.45	NE=95.22
201	1+125.13	1200mm	97.73	SW=95.06 NE=95.05
202	1+196.46	1500mm	97.50	SW=94.90 NE=94.68 SE=94.90
203	1+275.36	1500mm	97.50	SW=94.58 NE=94.57
204	1+287.39	1500mm	97.44	SW=94.55 E=94.54 N=94.92
205	1+312.65	1500mm	97.31	W=94.51 SE=94.43
206	1+395.72	1500mm	97.35	NW=94.35 SE=94.34
207	1+470.13	1800mm	97.38	NW=94.27 SE=94.19 SW=94.49
208	1+521.13	1800mm	97.04	NW=94.14 SE=93.99 SW=94.36
209	1+562.75	1800mm	96.76	NW=93.95 SE=93.94
210	3+018.92	1200mm	97.43	NW=94.93 SE=94.96
211	3+049.11	1200mm	97.81	NW=95.02 SE=95.17
212	3+082.29	1200mm	98.20	NW=95.33 S=95.36
213	3+093.07	1200mm	98.30	N=95.41 SW=95.43
214	3+215.39	1200mm	98.05	NE=95.18 S=95.15
215	3+228.33	1200mm	98.09	N=95.12 SE=95.09
216	3+261.93	1200mm	97.95	NW=95.02 E=95.01
217	3+317.27	1200mm	98.02	W=94.90 E=94.89 N=95.06
218	3+359.77	1200mm	97.78	W=94.80 NE=94.78
219	3+368.08	1200mm	97.74	SW=94.76 N=94.68
221	3+433.51	1200mm	97.87	SW=94.56 NE=94.55
222	3+457.72	1200mm	97.60	SW=94.51 NE=94.43
223	4+059.88	1200mm	97.90	S=94.91 NE=94.83
224	4+091.35	1200mm	97.83	SW=94.77 NE=94.74
225	4+134.82	1200mm	97.44	SW=94.65 NE=94.58

CATCHBASIN TABLE

CB No.	STATION	T/G ELEVATION	INVERT	ICD DIA.
300	1+035.61	97.18	E=95.78	Tempest MHF (69mm)
301	1+033.70	97.02	N=95.62	Tempest MHF (69mm)
302	1+107.46	97.54	NW=96.14	83mm
303	1+107.46	97.54	SE=96.14	83mm
304	3+014.84	97.33	NE=95.92	83mm
305	3+015.42	97.30	W=95.89	94mm
306	1+205	97.35	SE=95.95	94mm
307	1+318.76	97.24	NE=95.84	83mm
308	1+319.03	97.24	SW=95.84	94mm
311	1+418.77	97.14	NE=95.74	83mm
312	1+418.77	97.14	SW=95.74	83mm
313	4+167	97.10	NW=95.70	Tempest MHF (75mm)
314	4+167	97.10	SE=95.70	Tempest MHF (75mm)
315	3+501.60	96.94	SE=95.54	Tempest LMF (Vortex 101)
316	1+526.07	96.89	NE=95.50	Tempest LMF (Vortex 93)
317	1+525.62	96.94	SW=95.55	83mm
318	1+564.51	96.69	NE=95.29	Tempest MHF (70mm)
319	1+564.60	96.69	S=95.29	Tempest MHF (70mm)
320	3+166.66	97.73	NW=96.33	102mm
321	3+166.67	97.73	SE=96.33	102mm
322	3+283.33	97.73	S=96.33	Tempest MHF (75mm)
323	3+283.33	97.73	N=96.33	Tempest MHF (70mm)
324	4+026.03	97.62	W=96.22	Tempest MHF (70mm)
325	4+026.03	97.62	E=96.22	Tempest MHF (70mm)
326	3+382.22	97.63	E=96.23	90mm
327	3+382.07	97.63	W=96.23	90mm
328	3+463.24	97.45	SE=96.05	Tempest LMF (Vortex 100)
329	3+463.09	97.45	NW=96.05	Tempest LMF (Vortex 100)
330	4+121.01	97.52	NW=96.12	Tempest MHF (68mm)
331	4+120.87	97.52	SE=96.12	Tempest MHF (68mm)

LANDSCAPE CATCHBASIN TABLE

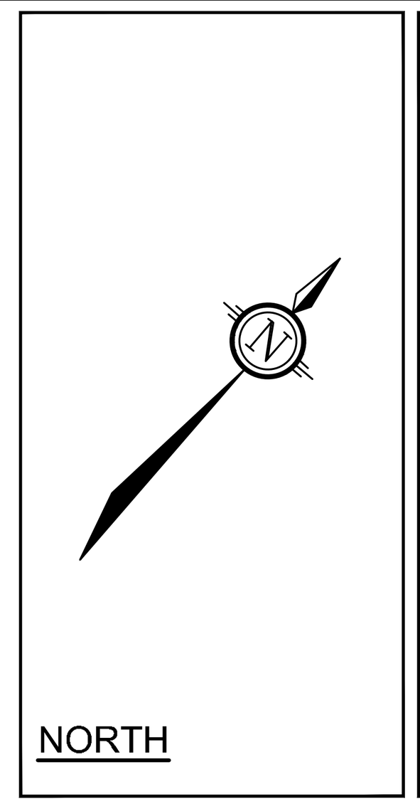
RYCB No.	T/G ELEVATION	INVERT	TYPE
400	97.78	NE=96.78	ELBOW
402	97.70	SW=96.70	ELBOW
403	97.67	NE=96.67	ELBOW
404	97.60	SW=96.52 NE=96.47	TEE
405	97.41	SE=96.29 NW=96.28	TEE
406	97.46	NW=96.46	ELBOW
407	97.42	SE=96.42	ELBOW
409	97.36	NE=96.36	ELBOW
410	97.27	SW=96.22 NE=96.21	TEE
411	97.63	NE=96.63	ELBOW
413	97.61	E=96.61	ELBOW
414	97.65	W=96.44 E=96.39	TEE
415	97.50	SE=96.49	ELBOW
417	96.97	SE=95.91	ELBOW
418	96.95	NW=95.74 SE=95.73	TEE
419	97.00	NW=95.93	ELBOW
421	97.05	SE=96.05	ELBOW
422	97.25	NW=96.25	ELBOW
424	96.97	SE=95.97	ELBOW
436	97.75	N=96.75	ELBOW
437	97.46	S=96.46 N=96.46	TEE
438	97.34	SW=96.33 NE=96.33	TEE

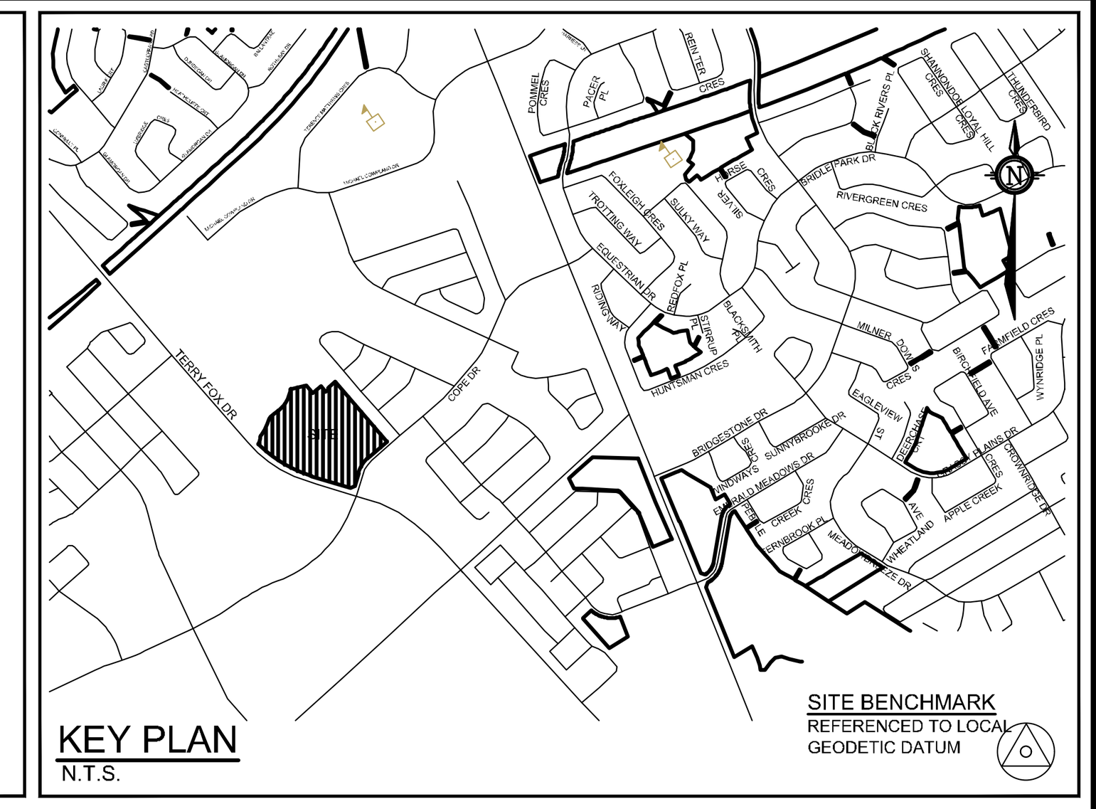
REAR YARD CATCHBASIN TABLE (CLOSED LID)

RYCB No.	T/G ELEVATION	INVERT	ICD DIA.
425	97.68	SE=96.14 NW=96.13	94mm
426	97.71	SW=96.41 NE=96.40	83mm
427	97.53	SE=96.22 NW=96.21	Tempest LMF (Vortex 93)
428	97.21	SW=95.87 NE=95.86	Tempest LMF (Vortex 94)
429	97.25	SW=96.15 NE=96.14	102mm
430	97.62	NW=96.03 SE=96.02	83mm
431	97.78	W=96.33 E=96.32	83mm
432	96.71	SW=95.84 NE=95.83	Tempest LMF (Vortex 93)
433	97.51	NE=95.36 SW=95.35	Tempest LMF (Vortex94)
434	97.37	NE=95.36 SW=95.35	94mm
435	96.86	NW=95.65 SE=95.64	Tempest LMF (Vortex 81)

REAR YARD CATCHBASIN TABLE

RYCB No.	T/G ELEVATION	INVERT
401	97.74	SW=96.61 NW=96.48 NE=96.53
408	97.38	NW=96.26 NE=96.21
412	97.54	SW=96.44 SE=96.39
416	97.02	NW=96.34 NE=96.20 SW=96.21
420	97.03	SE=95.76 SW=95.71 NW=95.84
423	97.10	SE=96.05 SW=95.71 NW=95.76

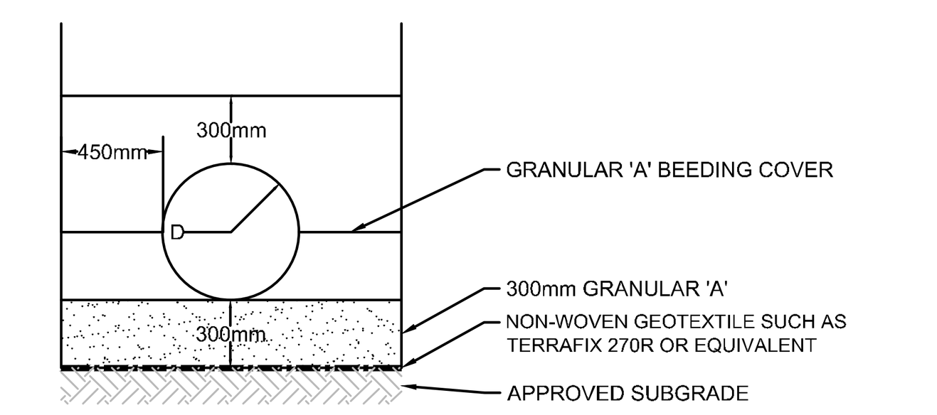




LEGEND

- PROPERTY LINE
- CURB C/W CONTINUOUS SUBDRAIN PER CITY DETAIL R1 SUBDRAIN TO BE 300mm BELOW SUBGRADE AND RUN LONGITUDINAL ALONG CURBLINES
- DEPRESSED CURB PER STANDARD SC1.3
- CURB C/W 1.5m SIDEWALK
- PROPOSED TWSI
- (101) PROPOSED SANITARY MANHOLE
- (222) PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED CATCH BASIN WITH CLOSED LID
- PROPOSED CATCH BASIN WITH INLET CONTROL DEVICE
- PROPOSED LANDSCAPE TEE CATCH BASIN
- PROPOSED LANDSCAPE ELBOW CATCH BASIN
- PROPOSED STORM SEWER AND FLOW DIRECTION
- PROPOSED SANITARY SEWER AND FLOW DIRECTION
- PROPOSED SWALE AND SUBDRAIN
- 200mmØ WM — PROPOSED WATERMAIN AND DIAMETER
- V&VB — PROPOSED VALVE & VALVE BOX
- V&VC — VALVE & VALVE CHAMBER
- PROPOSED HYDRANT C/W VALVE & LEAD
- T/F = 98.45 — PROPOSED TOP OF BOTTOM FLANGE
- PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE
- PROPOSED SERVICE LATERALS PER CITY STANDARD 11.3
- PROPOSED SERVICE LATERALS PER CITY DETAIL S11.3 (JOINT TRENCH)
- PROPOSED NOISE WALL (REFER TO NOISE REPORT FOR DETAILS)
- 20m MONAHAN DRAIN SETBACK
- TOP OF SLOPE
- V&VB — EXISTING WATERMAIN C/W VALVE & VALVE BOX
- EXISTING HYDRANT C/W VALVE & LEAD
- SAN MH — EXISTING SANITARY MANHOLE & SEWER
- STM MH — EXISTING STORM MANHOLE & SEWER
- CB 1 — EXISTING CATCHBASIN
- EXISTING CATCH BASIN MANHOLE

REFER TO 117198-GP2 FOR CONTINUATION



SANITARY SEWER BEDDING DETAIL
N.T.S.

REFER TO 117198-ND1 FOR ADDITIONAL NOTES & DETAILS

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.

No.	REVISION	DATE	BY
15.	REVISED PER ZONING SETBACK UPDATES	AUG 16/23	GJM
14.	REVISED PER UPDATED LOT FABRIC	JULY 28/23	GJM
13.	REVISED PER CITY COMMENTS	OCT 05/22	GJM
12.	REVISED PER CITY COMMENTS	AUG 15/22	GJM
11.	ADDITION OF STREET NAMES	JUL 14/22	GJM
10.	REVISED PER CITY COMMENTS	JUN 30/22	GJM
9.	ISSUED FOR CONSTRUCTION	MAY 10/22	GJM
8.	REVISED PER CITY COMMENTS	APR 22/22	GJM
7.	ADDENDUM #8	MAR 16/22	GJM
6.	ADDENDUM #3 - PRIVACY FENCE/LOT NUMBERING	FEB 23/22	GJM
5.	ISSUED FOR TENDER	FEB 1/22	GJM
4.	REVISED PER CITY COMMENTS AND ISSUED FOR ECA	DEC 07/21	GJM
3.	ISSUED FOR COORDINATION	AUG 19/21	GJM
2.	ISSUED WITH GEOMETRIC ROAD DESIGN AND SITE PLAN UPDATES	JUN 30/21	GJM
1.	ISSUED FOR DESIGN SUBMISSION PER DRAFT PLAN APPROVAL	MAY 14/21	GJM

SCALE 1:500
1:500 0 5 10 15 20

DESIGN LSC
CHECKED GJM
DRAWN LSC
CHECKED JAG
APPROVED GJM

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LOCATION
CITY OF OTTAWA
VAN GAAL LANDS - CLARIDGE DEVELOPMENT

DRAWING NAME
GENERAL PLAN OF SERVICES (NORTH)

PROJECT No. 117198
REV REV # 15
DRAWING No. 117198-GP1

D07-16-18-0027

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