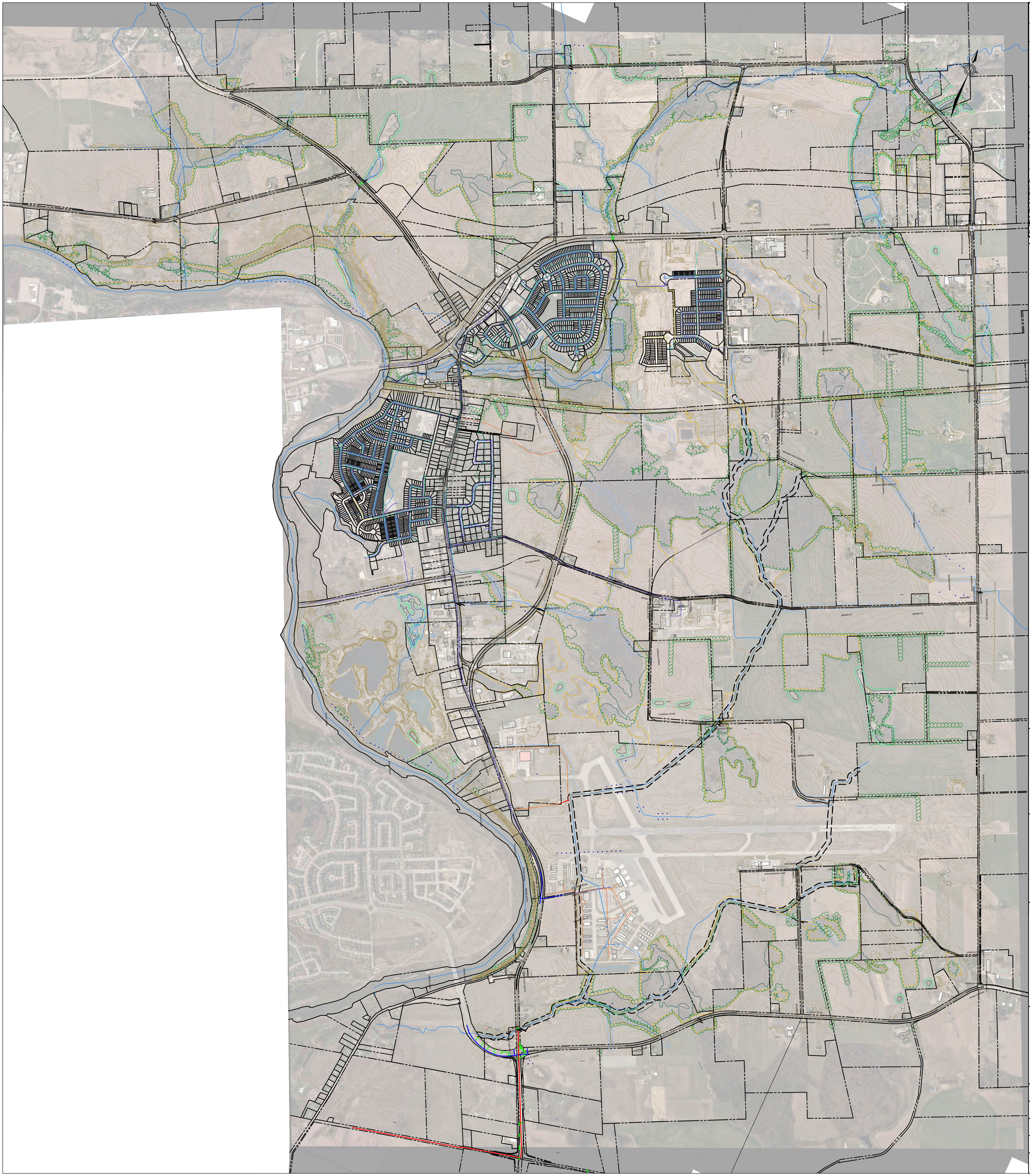
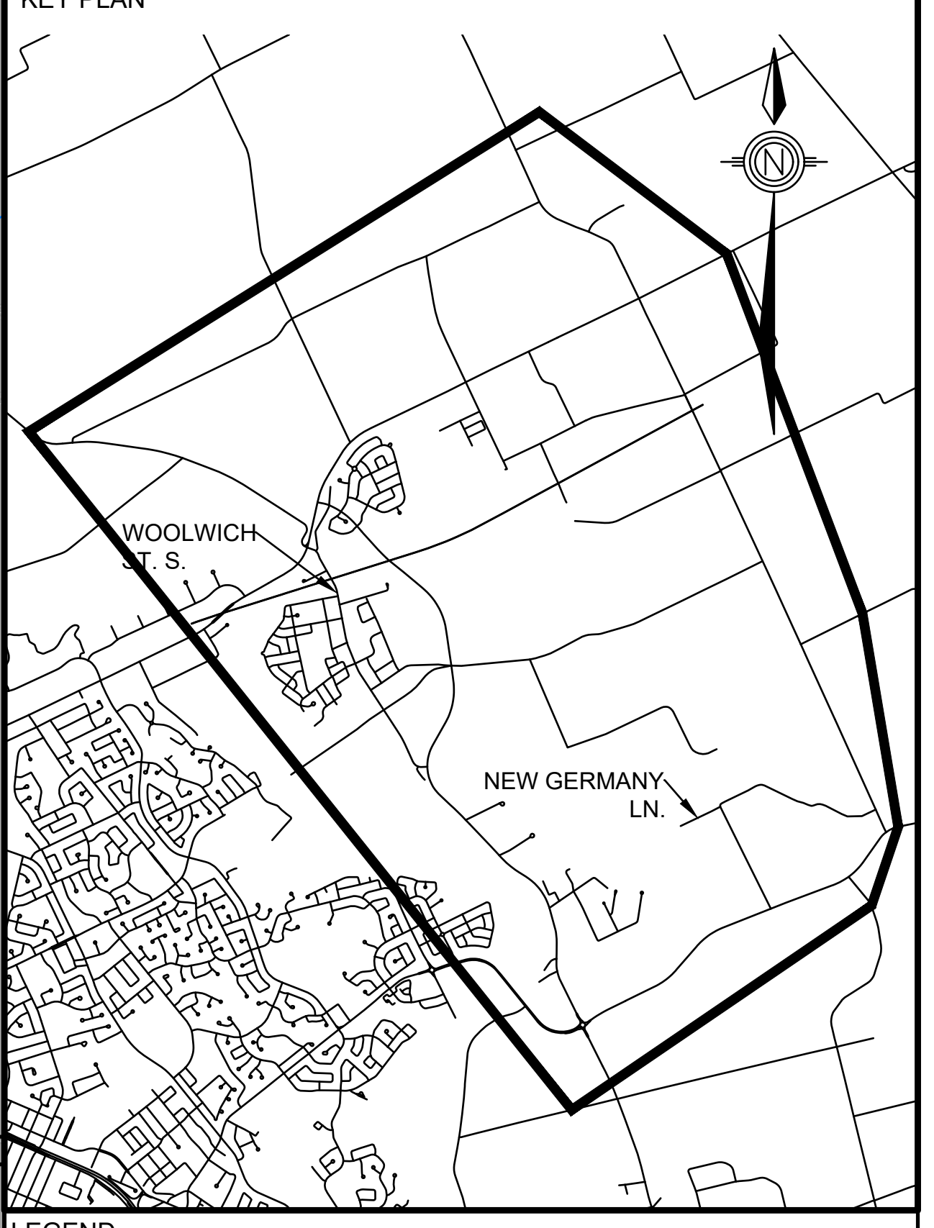


KEY PLAN



LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Randall Drain - 15m Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodand
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Sanitary sewer line
- Water line
- Storm water line
- Placemark

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	M.K.
CHECKED BY:	D.L.
DATE:	February 16, 2024
HORIZONTAL SCALE:	1:10000
SHEET NO:	1 OF 1

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-122-LARGE OVERVIEW.DWG

Region of Waterloo

WOOLWICH
TOWNSHIP

Associated
Engineering

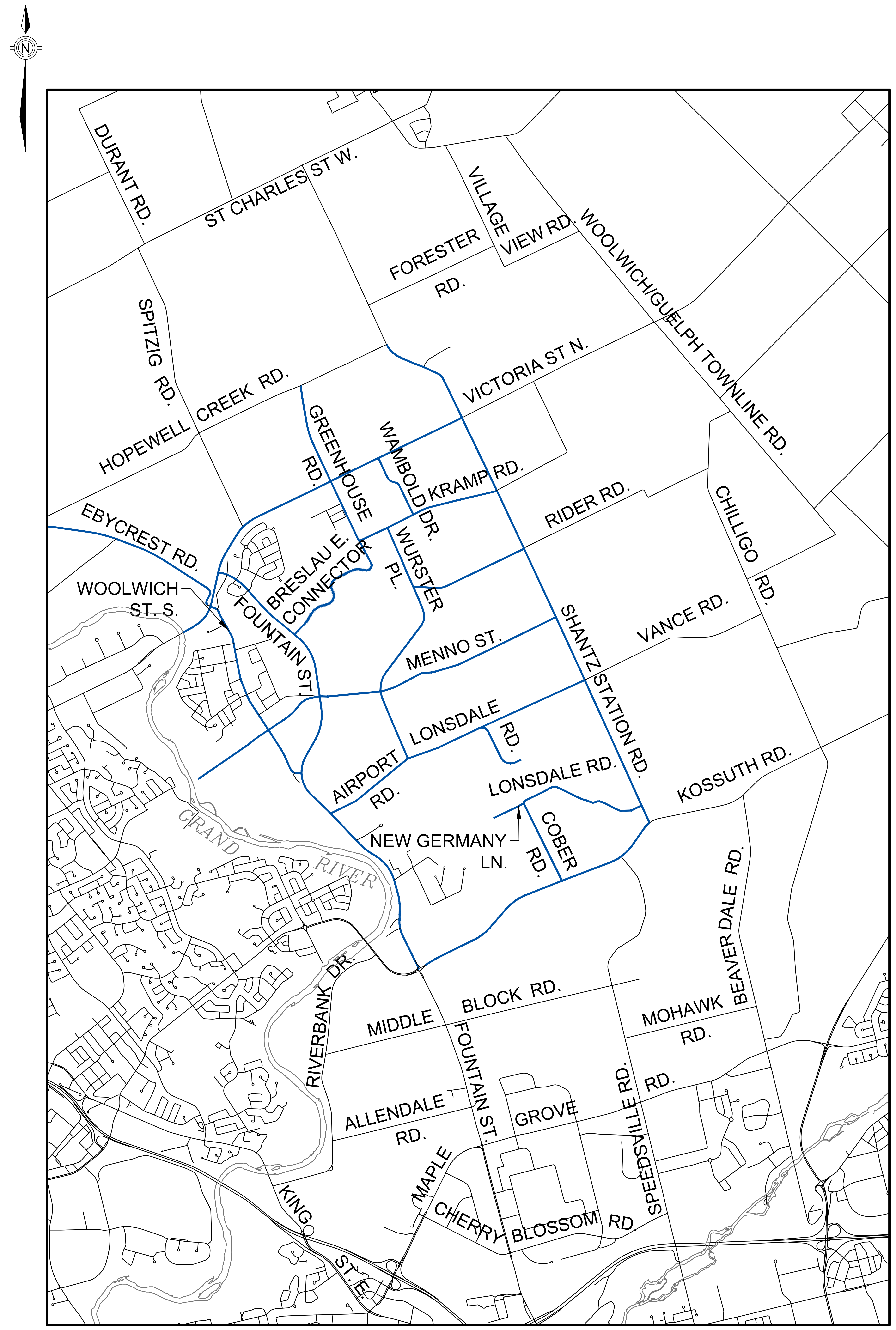
EAST SIDE LANDS
SANITARY SERVICING EA
EXISTING CONDITIONS & REMOVALS
PLAN & PROFILE DRAWINGS

October, 2024

Region of Waterloo

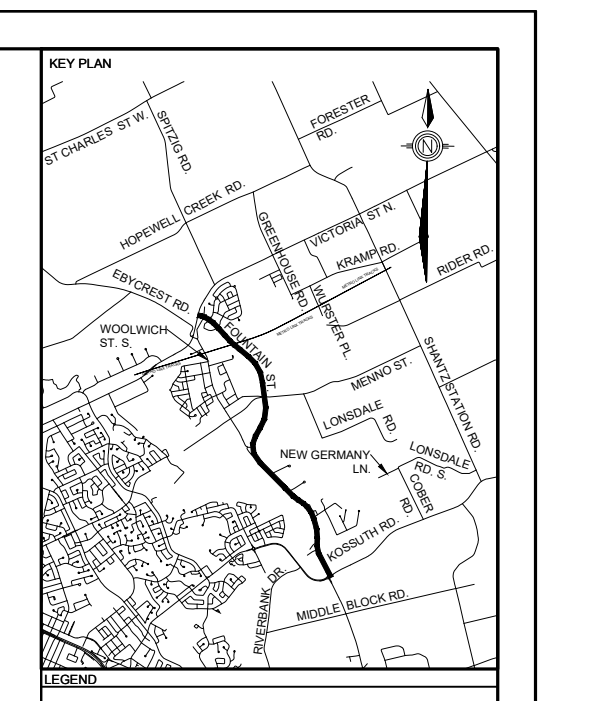
WOOLWICH
TOWNSHIP

Associated
Engineering



DRAWING INDEX		
SHEET NO.	DWG NO.	DESCRIPTION
1	G-001	TITLE PAGE
2	G-001	INDEX PAGE & KEY MAP
		PLAN AND PROFILES
3	C-101	FOUNTAIN ST. - VICTORIA ST. N. TO KOSSUTH ROAD
4	C-102	KOSSUTH RD. - FOUNTAIN STREET TO SHANTZ STATION RD.
5	C-103	SHANTZ STATION RD. - HOPEWELL CREEK TO KOSSUTH RD.
6	C-104	COBER RD. - KOSSUTH RD. TO NEW GERMANY LANE
7	C-105	LONSDALE RD. - COBER RD./NEW GERMANY LN. SHANTZ STATION RD.
8	C-106	LONSDALE RD. - MENNO STREET TO END
9	C-107	OTTAWA ST. EXTENSION - GRAND RIVER TO FOUNTAIN ST. N.
10	C-108	MENNO ST. - WOOLWICH ST. S. TO SHANTZ STATION RD.
11	C-109	WOOLWICH ST. S. - VICTORIA ST. N. TO FOUNTAIN ST. N.
12	C-110	EBYCREST RD. - HOPEWELL CREEK ROAD TO VICTORIA ST. N.
13	C-111	WURSTER PL. - KRAMP RD. TO CNR/METROLINX
14	C-112	KRAMP RD. - GREEN HOUSE RD. TO SHANTZ STATION RD.
15	C-113	VICTORIA ST. - GRAND RIVER BRIDGE TO SHANTZ STATION RD.
16	C-114	WAMBOLD DRIVE - VICTORIA ST. N. TO KRAMP RD.
17	C-115	WURSTER PL. EXTENSION - CNR/METROLINX TO MENNO ST.
18	C-116	RIDER ROAD EXTENSION - ASSUMED NEW RD. 1 TO SHANTZ STATION RD.
19	C-119	GREENHOUSE RD. - HOPEWELL CREEK RD. TO KRAMP RD.
20	C-120	AIRPORT RD. - FOUNTAIN ST. N. TO PUMPING STATION
21	C-121	BRESLAU CONNECTOR - HOPEWELL CREEK RD. TO KRAMP RD.
22	C-122	LONSDALE - VANCE RD
23	C-123	AIRPORT - LONSDALE ROAD TO FOUNTAIN ST. N. ALONG JELINER COURT

ROW-2021



WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

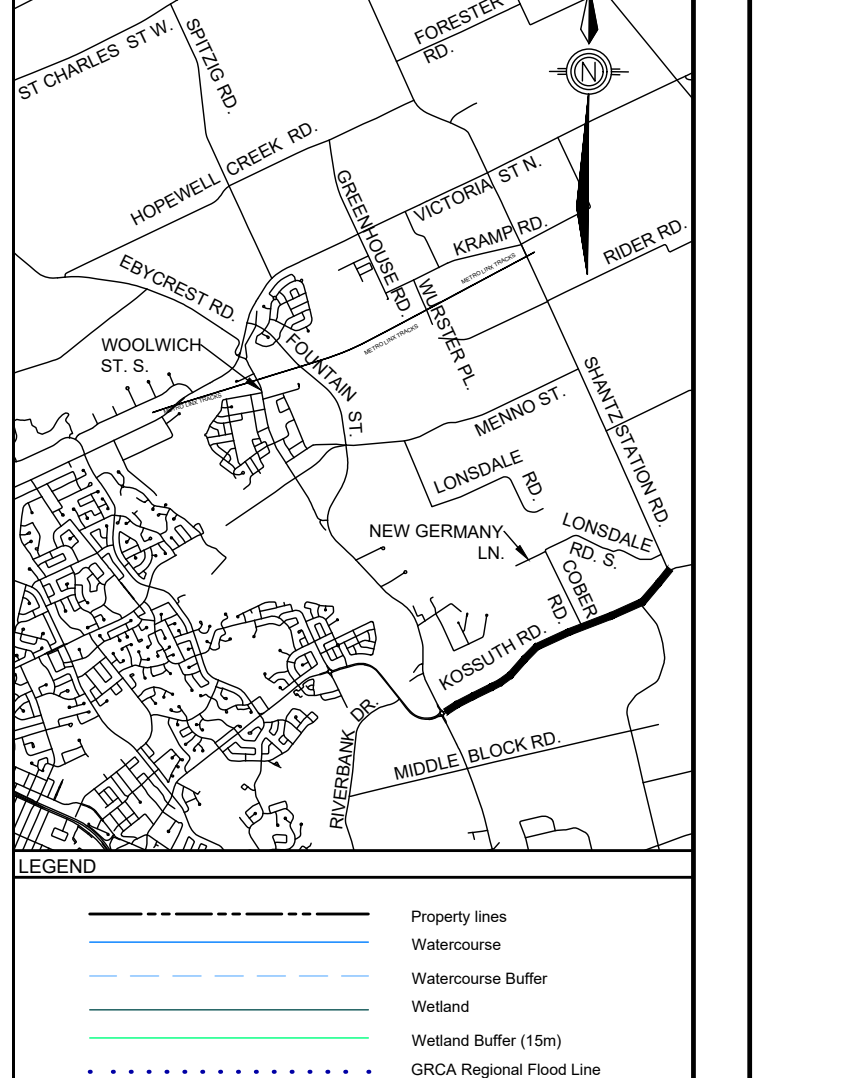
FOUNTAIN ST. - VICTORIA ST. N. TO MIDDLE BLOCK RD.

STA: 0+000 TO 7+140

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	3 OF 23	DWG NO:	C-101

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-



WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

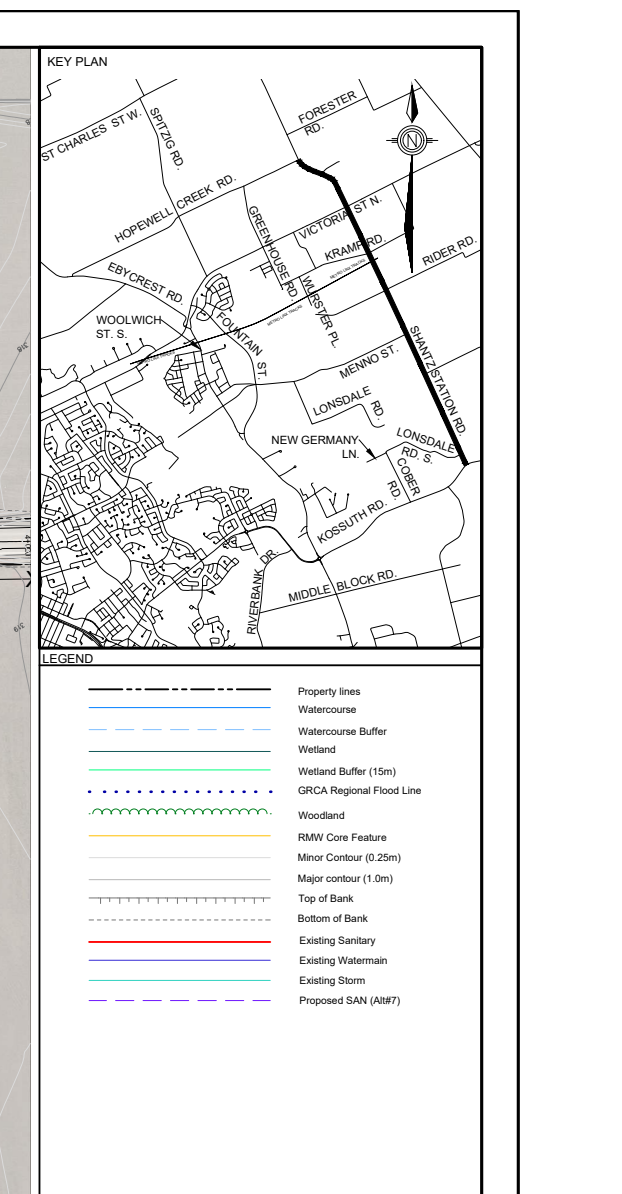
KOSSUTH RD. - FOUNTAIN STREET TO SHANTZ STATION RD.

STA: 0+000 TO 3+361

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	4 OF 23	DWG NO:	C-102

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-



WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

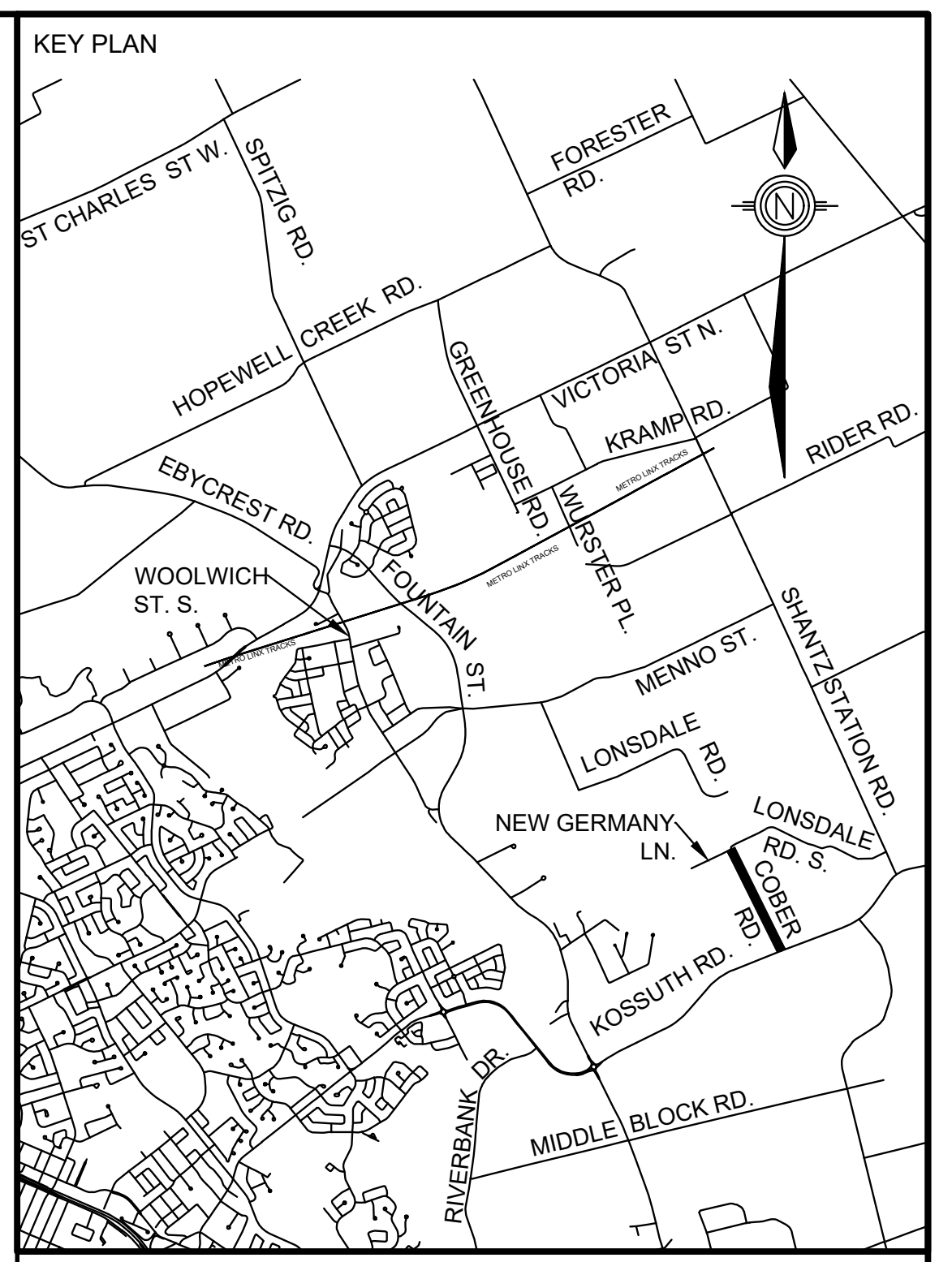
SHANTZ STATION RD. - HOPEWELL CREEK TO KOSSUTH RD.

STA: 0+000 TO 6+681

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 10, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	5 OF 26	DWG NO:	C-103

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DW



LEGEND

▬ ▪ ▬	Property lines
▬	Watercourse
‒ ‒ ‒	Watercourse Buffer
▬	Wetland
▬	Wetland Buffer (15m)
• • •	GRCA Regional Flood Line
⌒⌒⌒	Woodland
▬	RMW Core Feature
▬	Minor Contour (0.25m)
▬	Major contour (1.0m)
┴┴┴	Top of Bank
- - -	Bottom of Bank
▬	Existing Sanitary
▬	Existing Watermain
▬	Existing Storm

STATION	EXISTING CL ELEVATION
	315.34
0+020	315.47
	315.55
0+040	315.62
	315.74
0+060	315.87
	315.98
0+080	316.08
	316.15
0+100	316.20
	316.24
0+120	316.27
	316.28
0+140	316.31
	316.33
0+160	316.33
	316.34
0+180	316.34
	316.40
0+200	316.46
	316.43
0+220	316.37
	316.29
0+240	316.22
	316.17
0+260	316.09
	316.00
0+280	315.91
	315.83
0+300	315.75
	315.64
0+320	315.50
	315.44
0+340	315.40
	315.36
0+360	315.29
	315.23
0+380	315.19
	315.14
0+400	315.08
	315.02
0+420	314.93
	314.83
0+440	314.73
	314.62
0+460	314.51
	314.42
0+480	314.34
	314.28
0+500	314.24
	314.22
0+520	314.22
	314.22
0+540	314.23
	314.22
0+560	314.19
	314.16
0+580	314.13
	314.11
0+600	314.07
	314.04
0+620	314.02
	314.00
0+640	313.96
	313.96
0+660	313.99
	314.02
0+680	314.05
	314.07
0+700	314.08
	314.08
0+720	314.11
	314.14
0+740	314.16
	314.20
0+760	314.25
	314.30
0+780	314.34
	314.36
0+800	314.39
	314.40
0+820	314.39
	314.38
0+840	314.38
	314.40
0+860	314.42
	314.44
0+880	314.46
	314.47
0+900	314.47
	314.47
0+920	314.48
	314.50
0+940	314.54
	314.60
0+960	314.63
	314.61
0+980	314.63
	314.64
1+000	314.67
	314.73
1+020	314.80
	314.90
1+040	314.94
	314.84

WOOLWICH
TOWNSHIP

Associated
Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

COBER RD. - KOSSUTH RD. TO NEW GERMANY LANE

STA: 0+000 TO 1+052

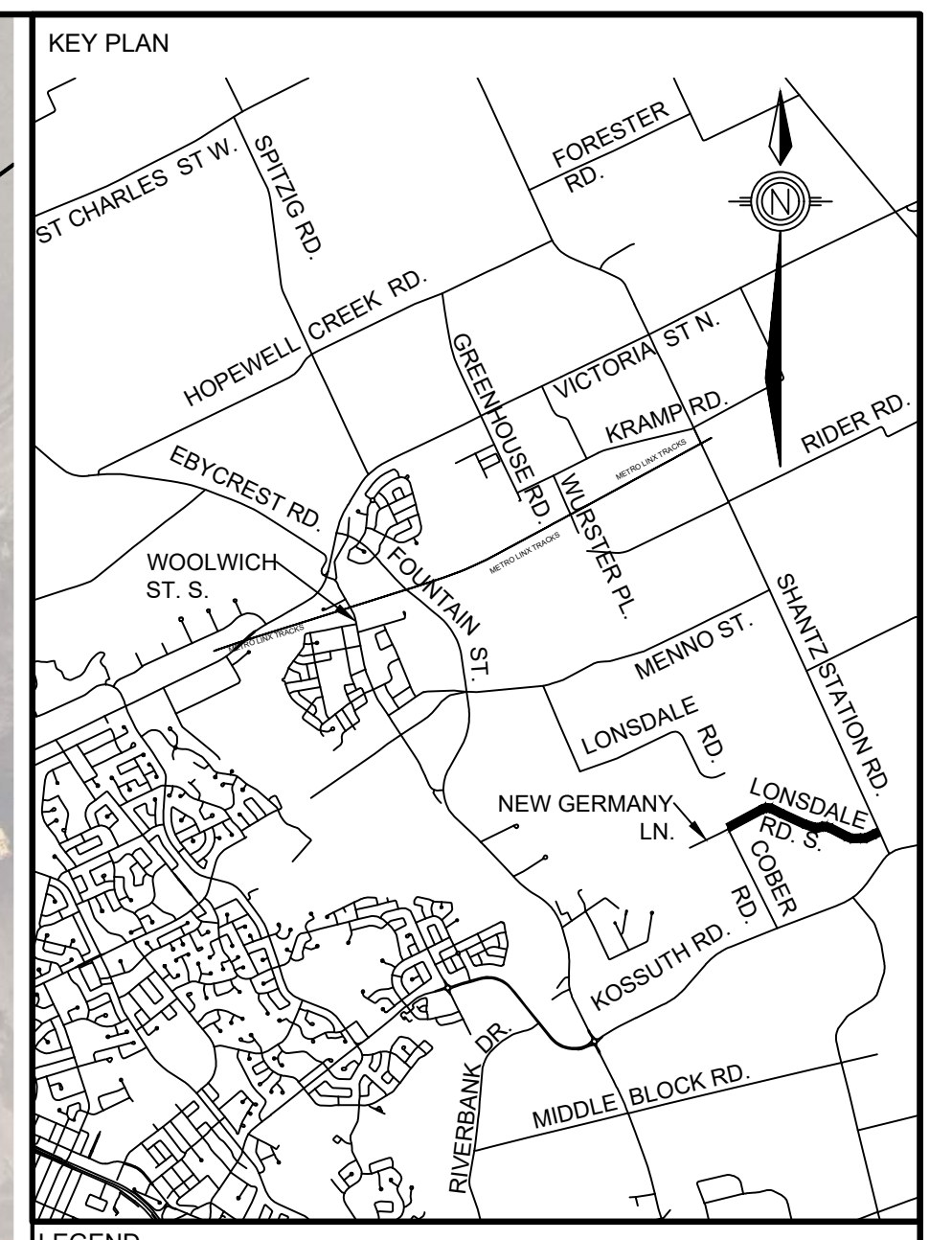
PRELIMINARY/
FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	6 OF 23	DWG NO:	C-104

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-

PROPOSED TOP	EXISTING CL ELEVATION	STATION
314.804	314.78	1+060
314.783	314.74	
314.778	314.69	1+080
314.790	314.74	
314.818	314.81	1+100
314.864	314.87	
314.924	314.96	1+120
314.983	315.03	
315.026	315.07	1+140
315.054	315.10	
315.065	315.10	1+160
315.061	315.08	
315.044	315.04	1+180
315.027	315.00	
315.009	314.99	1+200
314.992	315.00	
314.974	314.99	1+220
314.957	314.98	
314.943	314.96	1+240
314.938	314.94	
314.941	314.94	1+260
314.952	314.98	
314.972	314.98	1+280
314.991	315.00	
314.995	315.02	1+300
314.983	315.03	
314.956	315.00	1+320
314.913	314.93	
314.859	314.85	1+340
314.820	314.79	
314.816	314.78	1+360
314.846	314.80	
314.896	314.83	1+380
314.946	314.90	
314.996	314.97	1+400
315.046	315.00	
315.096	314.99	1+420
315.147	314.97	
315.197	315.06	1+440
315.247	315.13	
315.297	315.19	1+460
315.347	315.20	
315.398	315.19	1+480
315.448	315.24	
315.498	315.32	1+500
315.548	315.40	
315.598	315.49	1+520
315.649	315.58	
315.699	315.69	1+540
315.749	315.78	
315.799	315.83	1+560
315.849	315.86	
315.897	315.90	1+580
315.930	315.93	
315.946	315.93	1+600
315.945	315.91	
315.926	315.88	1+620
315.892	315.84	
315.857	315.80	1+640
315.821	315.76	
315.785	315.74	1+660
315.749	315.71	
315.713	315.66	1+680
315.677	315.60	
315.641	315.56	1+700
315.606	315.56	
315.570	315.58	1+720
315.534	315.57	
315.498	315.52	1+740
315.480	315.48	
315.501	315.49	1+760
315.562	315.56	
315.662	315.68	1+780
315.802	315.83	
315.964	316.02	1+800
316.125	316.17	
316.287	316.31	1+820
316.446	316.45	
316.551	316.56	1+840
316.576	316.60	
316.521	316.54	1+860
316.388	316.41	
316.177	316.22	1+880
315.941	315.98	
315.719	315.75	1+900
315.587	315.59	
315.559	315.53	1+920
315.634	315.60	
315.813	315.79	1+940
316.082	316.04	
316.365	316.37	1+960
316.647	316.70	
316.862	316.89	1+980
316.950	316.95	
316.910	316.89	2+000
316.809	316.81	
316.708	316.68	2+020
316.654	316.62	
316.671	316.64	2+040
316.714	316.70	
316.757	316.76	2+060
316.800	316.82	
316.843	316.88	2+080
316.886	316.91	
316.929	316.97	2+100
316.970	317.01	
316.999	317.03	2+120
317.012	317.04	
317.009	317.02	2+140
316.992	316.99	
316.971	316.99	2+160
316.947	316.95	
316.892	316.87	2+180
316.800	316.75	
316.672	316.62	2+200
316.506	316.46	
316.307	316.29	2+220
316.103	316.11	
315.899	315.92	2+240
315.695	315.72	
315.520	315.54	2+260
315.410	315.42	
315.365	315.34	2+280
315.385	315.35	
315.470	315.43	2+300
315.591	315.54	
315.712	315.70	2+320
315.827	315.84	
315.844	315.84	2+340
315.739	315.74	
315.603	315.58	2+360
315.468	315.40	
315.333	315.26	2+380
315.197	315.15	
315.065	315.08	2+400
314.999	315.05	
315.025	315.08	2+420
315.144	315.18	
315.355	315.37	2+440
315.656	315.71	
315.982	316.08	2+460
316.309	316.38	
316.609	316.63	2+480
316.848	316.81	
317.027	316.97	2+500
317.144	317.09	
317.199	317.19	2+520
317.221	317.26	
317.242	317.31	2+540
317.263	317.31	
317.284	317.30	2+560
317.378	317.35	
317.697	317.62	2+580

KEY PLAN



LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodland
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

LONSDALE RD. - COBER RD./NEW GERMANY LN. SHANTZ STATION RD.

STA: 1+052 TO 2+590

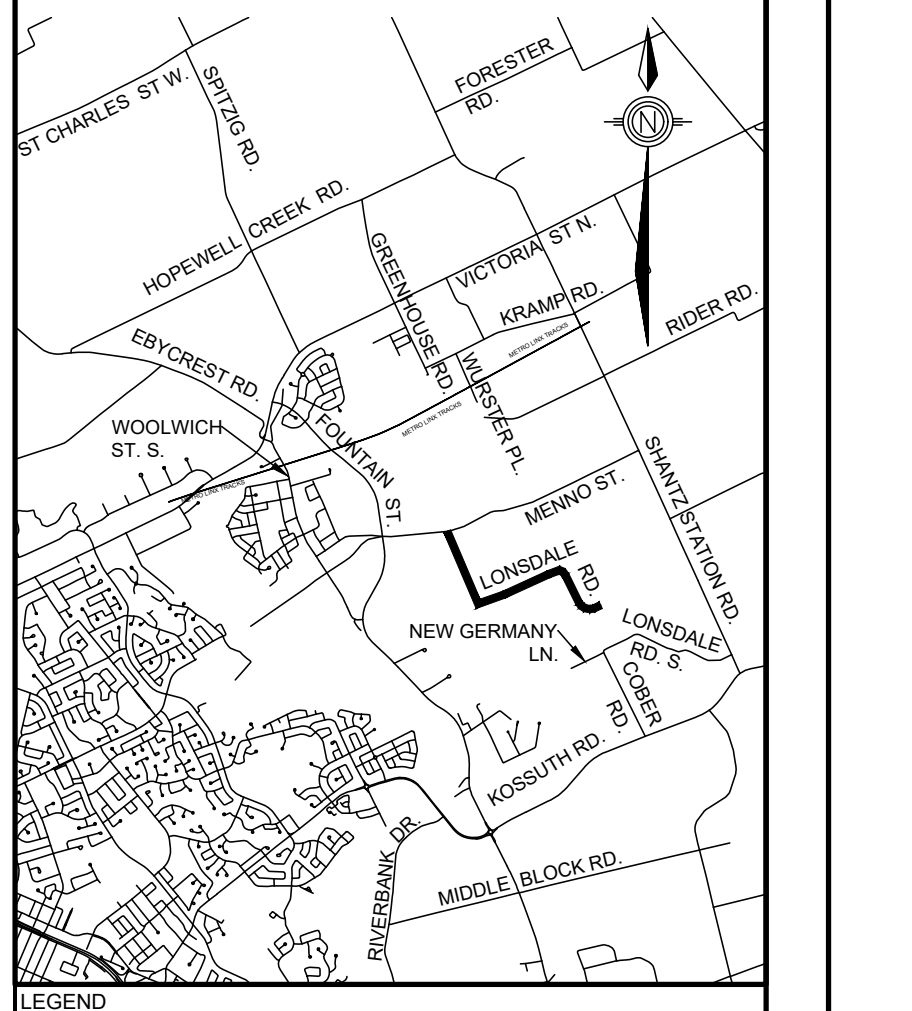
PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	7 OF 23	DWG NO:	C-105

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DWG

STATION	EXISTING CL ELEVATION
	323.01
0+020	323.31
	323.68
0+040	324.13
	324.61
0+060	325.05
	325.39
0+080	325.58
	325.66
0+100	325.66
	325.63
0+120	325.67
	325.72
0+140	325.81
	325.89
0+160	325.84
	325.68
0+180	325.33
	324.81
0+200	324.23
	323.64
0+220	323.09
	322.64
0+240	322.25
	321.89
0+260	321.53
	321.23
0+280	320.98
	320.73
0+300	320.49
	320.25
0+320	320.03
	319.78
0+340	319.51
	319.25
0+360	318.98
	318.70
0+380	318.39
	318.04
0+400	317.62
	317.15
0+420	316.71
	316.31
0+440	315.98
	315.71
0+460	315.49
	315.30
0+480	315.13
	315.00
0+500	314.89
	314.82
0+520	314.77
	314.74
0+540	314.70
	314.67
0+560	314.66
	314.64
0+580	314.62
	314.60
0+600	314.59
	314.59
0+620	314.60
	314.61
0+640	314.61
	314.61
0+660	314.60
	314.58
0+680	314.58
	314.59
0+700	314.59
	314.57
0+720	314.53
	314.46
0+740	314.41
	314.36
0+760	314.33
	314.32
0+780	314.33
	314.33
0+800	314.31
	314.28
0+820	314.24
	314.20
0+840	314.18
	314.19
0+860	314.20
	314.29
0+880	314.40
	314.47
0+900	314.55
	314.63
0+920	314.70
	314.78
0+940	314.87
	314.94
0+960	315.02
	315.09
0+980	315.15
	315.22
1+000	315.31
	315.39
1+020	315.48
	315.59
1+040	315.68
	315.75
1+060	315.81
	315.84
1+080	315.87
	315.87
1+100	315.85
	315.83
1+120	315.81
	315.78
1+140	315.78
	315.75
1+160	315.71
	315.66
1+180	315.64
	315.57
1+200	315.50
	315.42
1+220	315.32
	315.26
1+240	315.13
	315.06
1+260	315.01
	314.98
1+280	314.99
	315.03
1+300	315.07
	315.13
1+320	315.20
	315.26
1+340	315.32
	315.37
1+360	315.46
	315.57
1+380	315.73
	315.91
1+400	316.12
	316.36
1+420	316.62
	316.91
1+440	317.22
	317.49
1+460	317.75
	317.98
1+480	318.18
	318.34
1+500	318.48
	318.59
1+520	318.69
	318.78
1+540	318.85
	318.92
1+560	319.02
	319.12
1+580	319.20
	319.29
1+600	319.40
	319.52
1+620	319.66
	319.83
1+640	320.00
	320.14
1+660	320.26
	320.37
1+680	320.49
	320.62
1+700	320.72
	320.81
1+720	320.89
	320.96
1+740	321.02
	321.08
1+760	321.10
	321.16
1+780	321.22
	321.31
1+800	321.37
	321.40
1+820	321.39
	321.37
1+840	321.33
	321.23
1+860	321.08
	320.95
1+880	320.80
	320.66
1+900	320.58
	320.54
1+920	320.51
	320.49
1+940	320.47
	320.44
1+960	320.38
	320.28
1+980	320.16
	320.02
2+000	319.86
	319.68
2+020	319.49
	319.31
2+040	319.15
	319.00
2+060	318.84
	318.71
2+080	318.61
	318.53
2+100	318.46
	318.38
2+120	318.31
	318.28
2+140	318.27
	318.26
2+160	318.26
	318.26
2+180	318.26
	318.30
2+200	318.36
	318.45
2+220	318.53
	318.60
2+240	318.64
	318.65
2+260	318.63
	318.60
2+280	318.53
	318.43
2+300	318.32
	318.19
2+320	318.06
	317.96
2+340	317.82
	317.71
2+360	317.62
	317.53
2+380	317.43
	317.29
2+400	317.16
	317.05
2+420	316.94
	316.84
2+440	316.80
	316.74
2+460	316.70
	316.70
2+480	316.71
	316.72
2+500	316.70
	316.64
2+520	316.62
	316.56
2+540	316.53

KEY PLAN



LEGEND

▬ ‧ ‧ ▬	Property lines
─	Watercourse
– – –	Watercourse Buffer
─	Wetland
─	Wetland Buffer (15m)
• • • •	GRCA Regional Flood Line
⌒⌒⌒	Woodland
─	RMW Core Feature
─	Minor Contour (0.25m)
─	Major contour (1.0m)
┬┬┬	Top of Bank
- - - -	Bottom of Bank
─	Existing Sanitary
─	Existing Watermain
─	Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

LONSDALE RD. - MENNO STREET TO END

STA: 0+000 TO 2+544

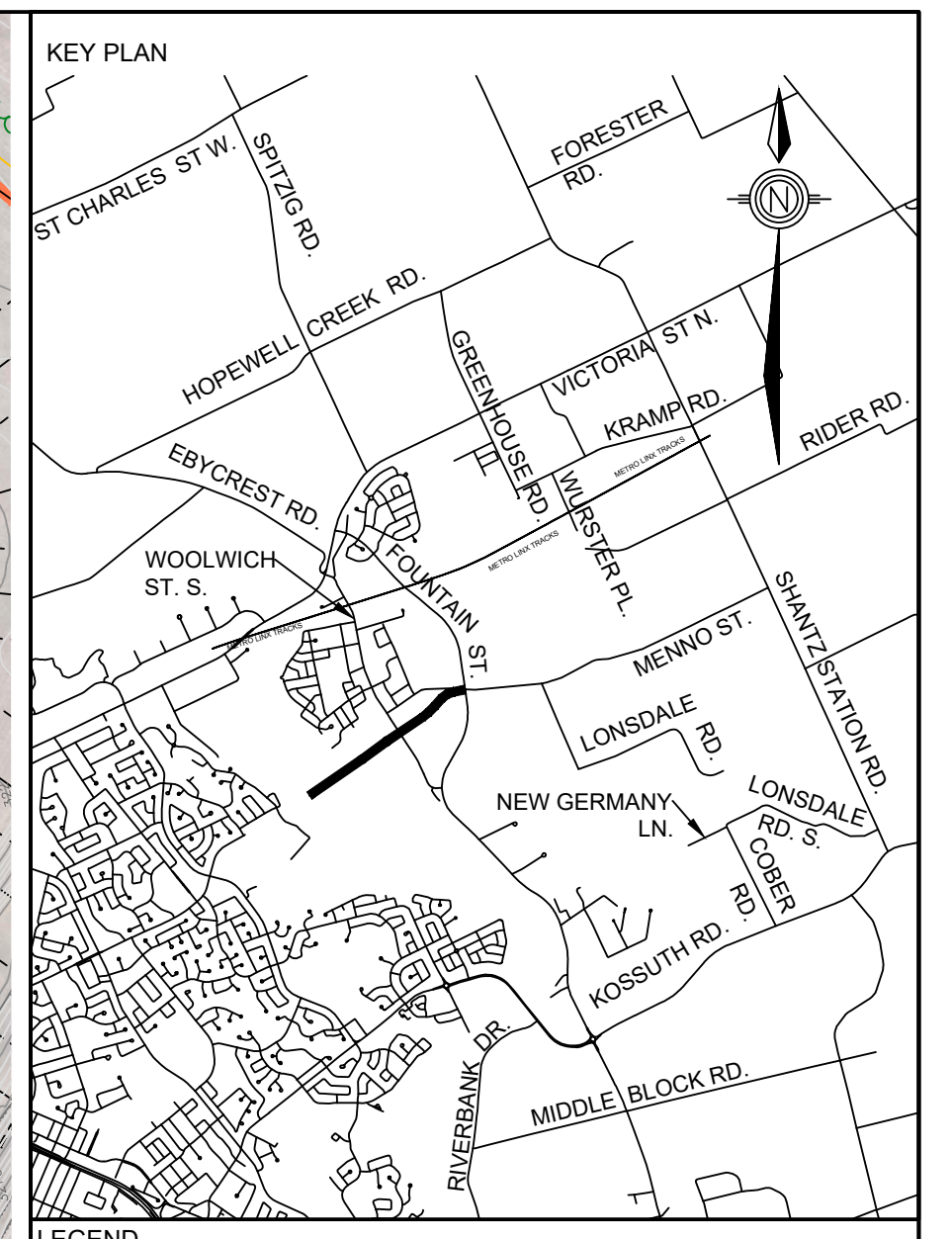
PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	8 OF 23	DWG NO:	C-106

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.D

PROPOSED TOP	EXISTING CL ELEVATION	STATION
306.077	298.83	
306.150	300.65	0+020
306.223	305.13	
306.295	305.16	0+040
306.368	302.23	
306.441	303.50	0+060
306.514	304.35	
306.587	304.70	0+080
306.660	304.68	
306.733	304.88	0+100
306.806	305.19	
306.879	305.44	0+120
306.952	305.68	
307.025	305.89	0+140
307.098	305.61	
307.171	305.09	0+160
307.244	304.51	
307.317	304.69	0+180
307.390	304.84	
307.463	305.36	0+200
307.536	305.80	
307.609	306.28	0+220
307.681	306.59	
307.754	306.68	0+240
307.827	306.42	
307.900	306.30	0+260
307.973	306.28	
308.046	306.00	0+280
308.119	305.72	
308.192	305.39	0+300
308.265	305.11	
308.338	304.61	0+320
308.411	304.61	
308.484	304.61	0+340
308.557	304.61	
308.630	304.61	0+360
308.703	304.61	
308.776	304.61	0+380
308.849	305.86	
308.922	305.68	0+400
308.994	305.73	
309.067	306.14	0+420
309.140	306.46	
309.213	306.57	0+440
309.286	306.26	
309.359	306.26	0+460
309.432	306.26	
309.505	306.90	0+480
309.578	307.35	
309.651	308.00	0+500
309.724	308.29	
309.797	308.47	0+520
309.870	308.46	
309.943	308.46	0+540
310.016	308.40	
310.089	308.19	0+560
310.162	307.88	
310.235	307.51	0+580
310.308	307.29	
310.380	307.94	0+600
310.453	307.99	
310.526	308.17	0+620
310.599	309.31	
310.672	309.18	0+640
310.745	309.68	
310.818	310.12	0+660
310.891	310.29	
310.964	310.44	0+680
311.037	310.03	
311.110	310.21	0+700
311.183	310.38	
311.256	310.58	0+720
311.329	310.99	
311.402	311.28	0+740
311.468	311.45	
311.530	311.47	0+760
311.592	311.60	
311.685	311.74	0+780
311.876	311.94	
312.166	312.22	0+800
312.520	312.58	
312.876	312.95	0+820
313.231	313.37	
313.549	313.66	0+840
313.767	313.74	
313.886	313.75	0+860
313.907	313.78	
313.896	313.81	0+880
313.884	313.79	
313.873	313.75	0+900
313.862	313.82	
313.865	313.83	0+920
313.874	313.81	
313.883	313.85	0+940
313.892	313.86	
313.901	313.92	0+960
313.910	313.92	
313.919	313.91	0+980
313.928	313.91	
313.906	313.90	1+000
313.872	313.90	
313.839	313.82	1+020
313.849	313.82	
313.862		1+040
313.876		
313.889	312.66	1+060
313.902	312.15	
313.916	311.88	1+080
313.929	311.75	
313.942	311.92	1+100
313.955	312.00	
313.969	312.06	1+120
313.982	312.19	
313.995	312.23	1+140
314.009	312.39	
314.022	312.51	1+160
314.035	312.49	
314.048	312.18	1+180
314.062	311.96	
314.075	311.59	1+200
314.088	311.84	
314.102	312.00	1+220
314.115	312.14	
314.128	312.23	1+240
314.141	312.49	
314.155	312.83	1+260
314.168	313.09	
314.181	313.28	1+280
314.195	313.41	
314.208	313.16	1+300
314.221	312.90	
314.234	312.70	1+320
314.254	312.85	
314.294	313.05	1+340
314.353	313.17	
314.433	313.17	1+360
314.532	313.18	
314.652	313.36	1+380
314.791	313.42	
314.951	313.48	1+400
315.130	313.72	
315.330	313.85	1+420
315.549	314.12	
315.788	314.46	1+440
316.048	314.78	
316.325	315.21	1+460
316.604	315.49	
316.883	315.72	1+480
317.162	315.92	
317.436	316.16	1+500
317.689	316.45	
317.923	316.76	1+520
318.137	316.97	
318.331	317.28	1+540
318.505	317.50	
318.673	317.58	1+560
318.841	317.78	
319.009	317.92	1+580
319.178	317.97	
319.346	318.22	1+600
319.514	318.46	
319.682	318.66	1+620
319.834	318.82	
319.966	318.86	1+640
320.078	318.88	
320.171	318.88	1+660
320.252	318.92	
320.333	319.01	1+680
320.413		
320.494		1+700
320.575	319.45	
320.656	319.72	1+720
320.737	319.62	
320.818	319.84	1+740
320.899	320.93	
320.980	320.95	1+760
321.068	321.07	

KEY PLAN



LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodland
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

OTTAWA ST. EXTENSION - GRAND RIVER TO FOUNTAIN ST. N.

STA: 0+000 TO 1+772

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	9 OF 23	DWG NO:	C-107

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DWG

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

MENNO ST. - WOOLWICH ST. S. TO SHANTZ STATION RD.

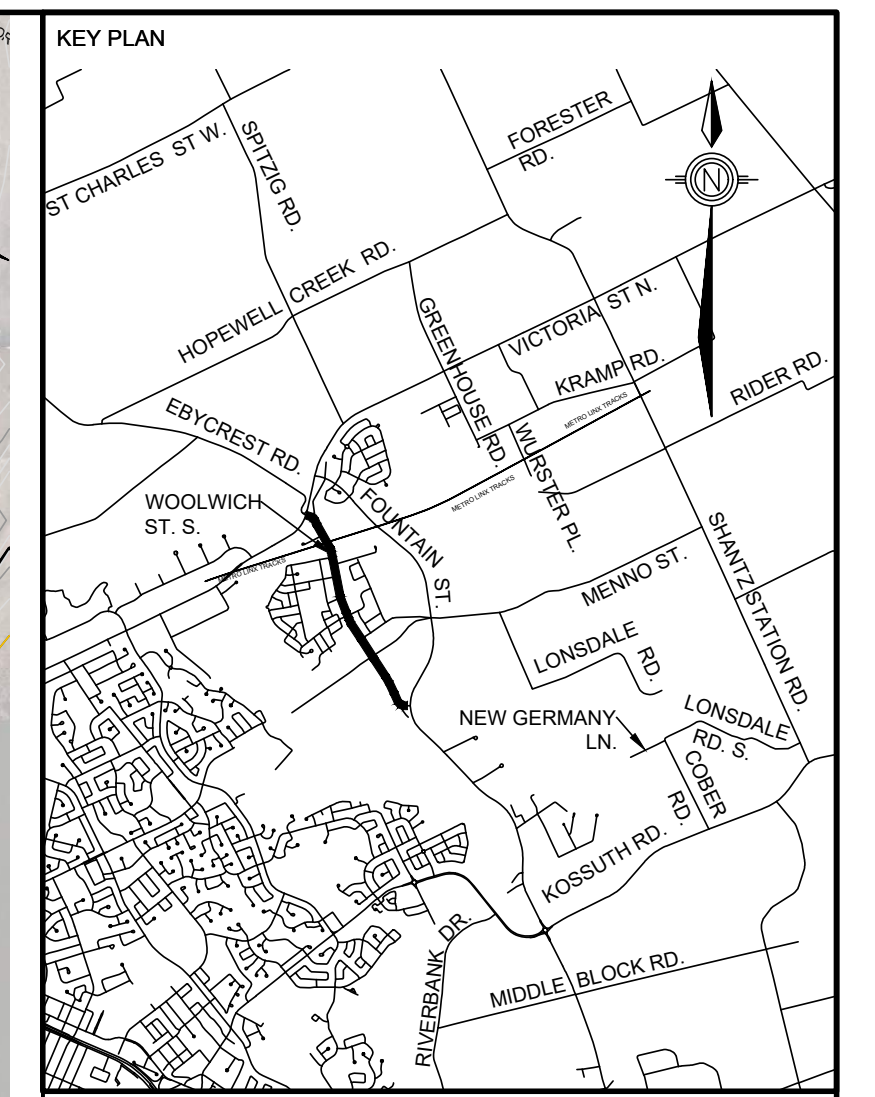
STA: 0+000 TO 3+806

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	10 OF 23	DWG NO:	C-108

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DWG

KEY PLAN



LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodland
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

WOOLWICH ST. S. - VICTORIA ST. N. TO FOUNTAIN ST. N.

STA: 0+000 TO 2+320

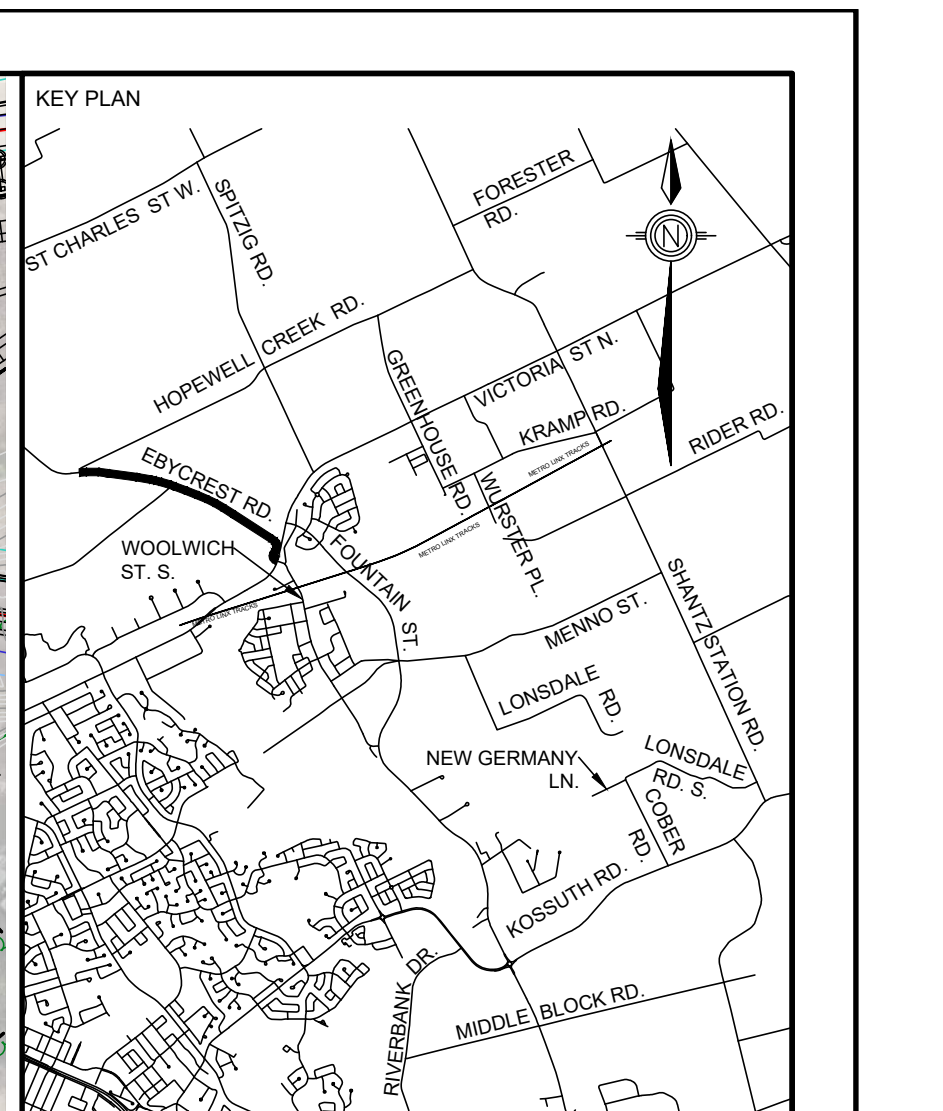
PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	11 OF 23	DWG NO:	C-109

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DWG

▬ ▬ · · ▬	Property lines
──	Watercourse
– – –	Watercourse Buffer
──	Wetland
──	Wetland Buffer (15m)
• • • •	GRCA Regional Flood Line
◠◠◠◠	Woodland
──	RMW Core Feature
──	Minor Contour (0.25m)
──	Major contour (1.0m)
┬┬┬┬	Top of Bank
- - - -	Bottom of Bank
──	Existing Sanitary
──	Existing Watermain
──	Existing Storm
– – –	Proposed SAN (Alt#7)

KEY PLAN



WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

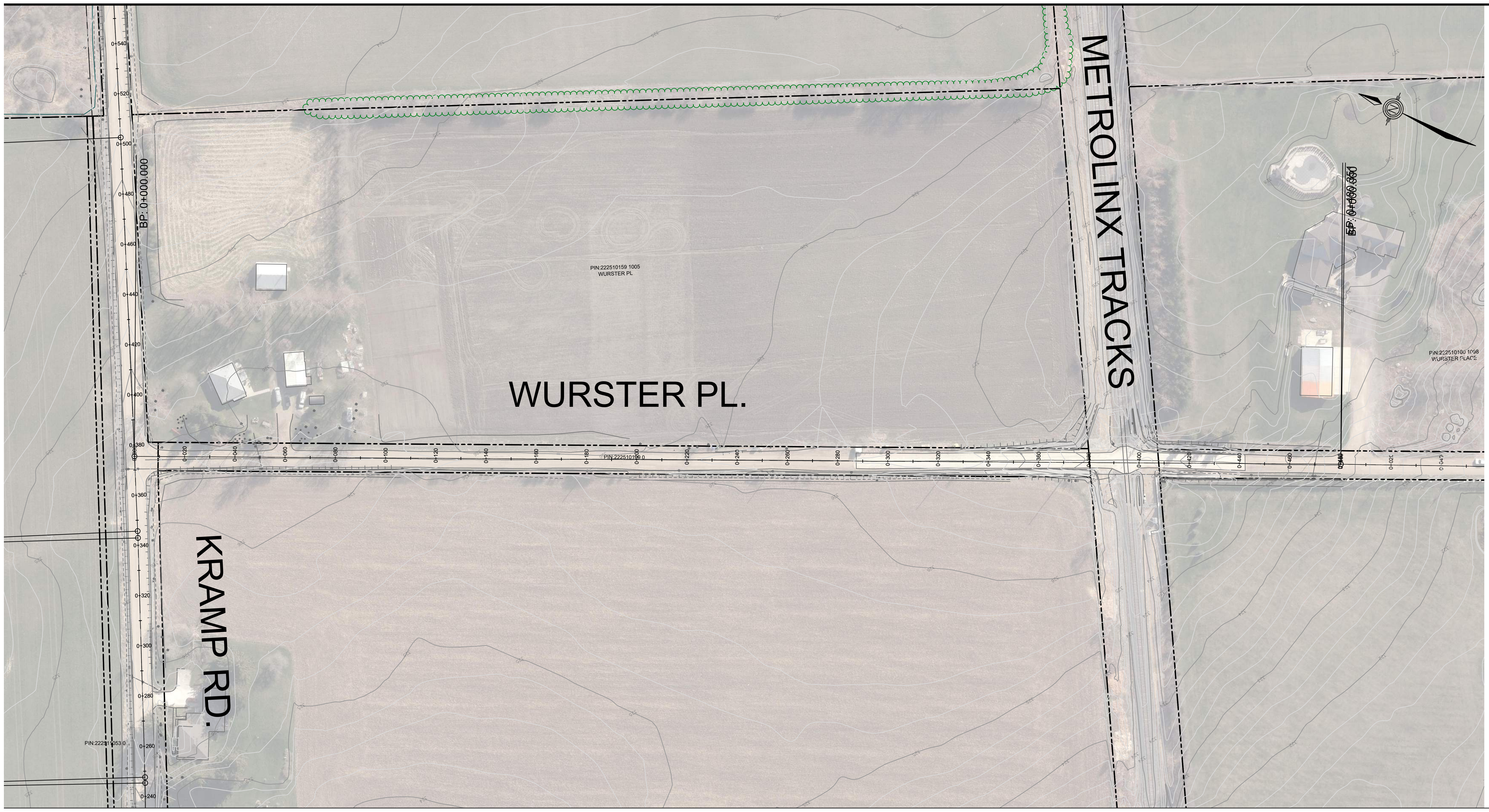
EBYCREST RD. - HOPEWELL CREEK ROAD TO VICTORIA ST. N.

STA: 0+000 TO 2+553

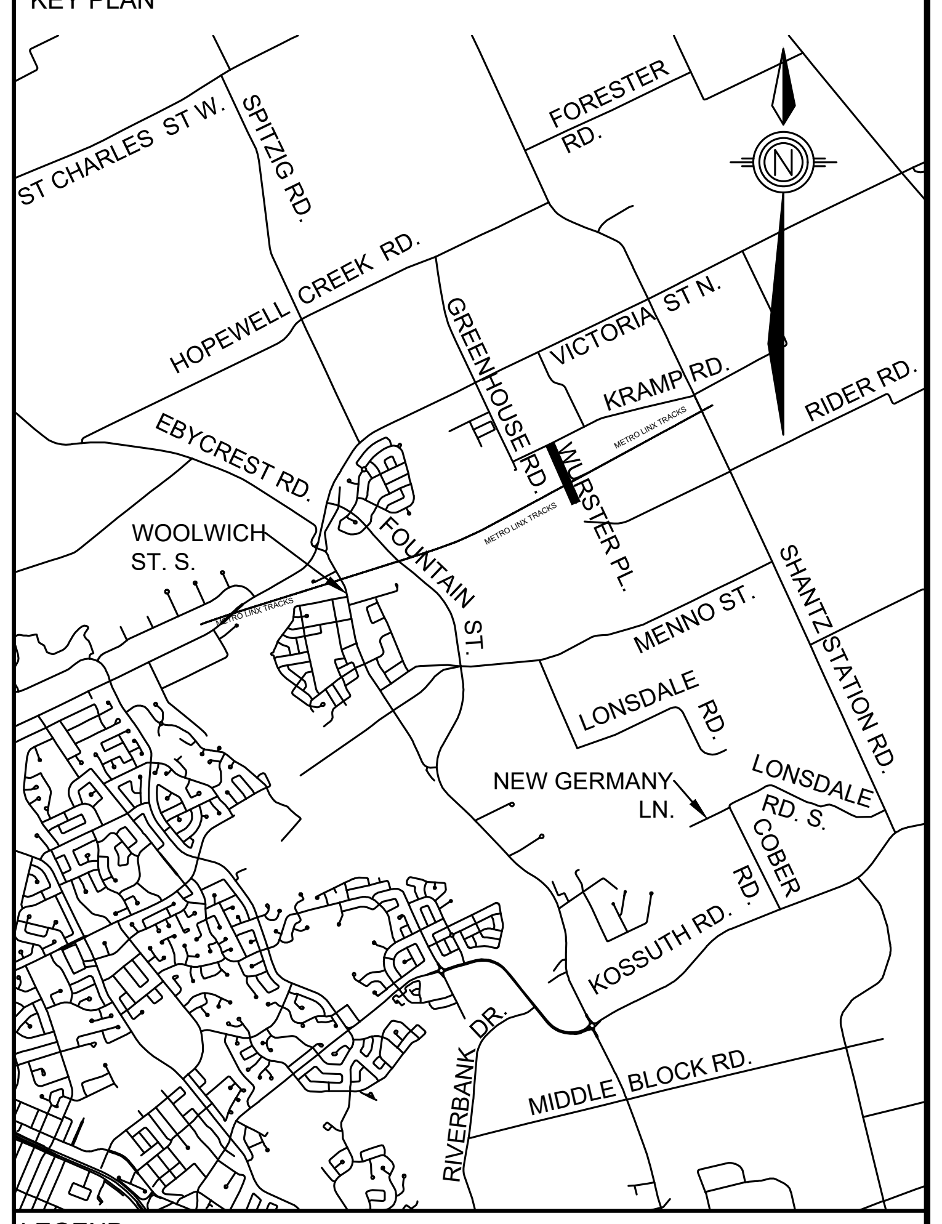
PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:			
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	12 OF 26	DWG NO:	C-110

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-

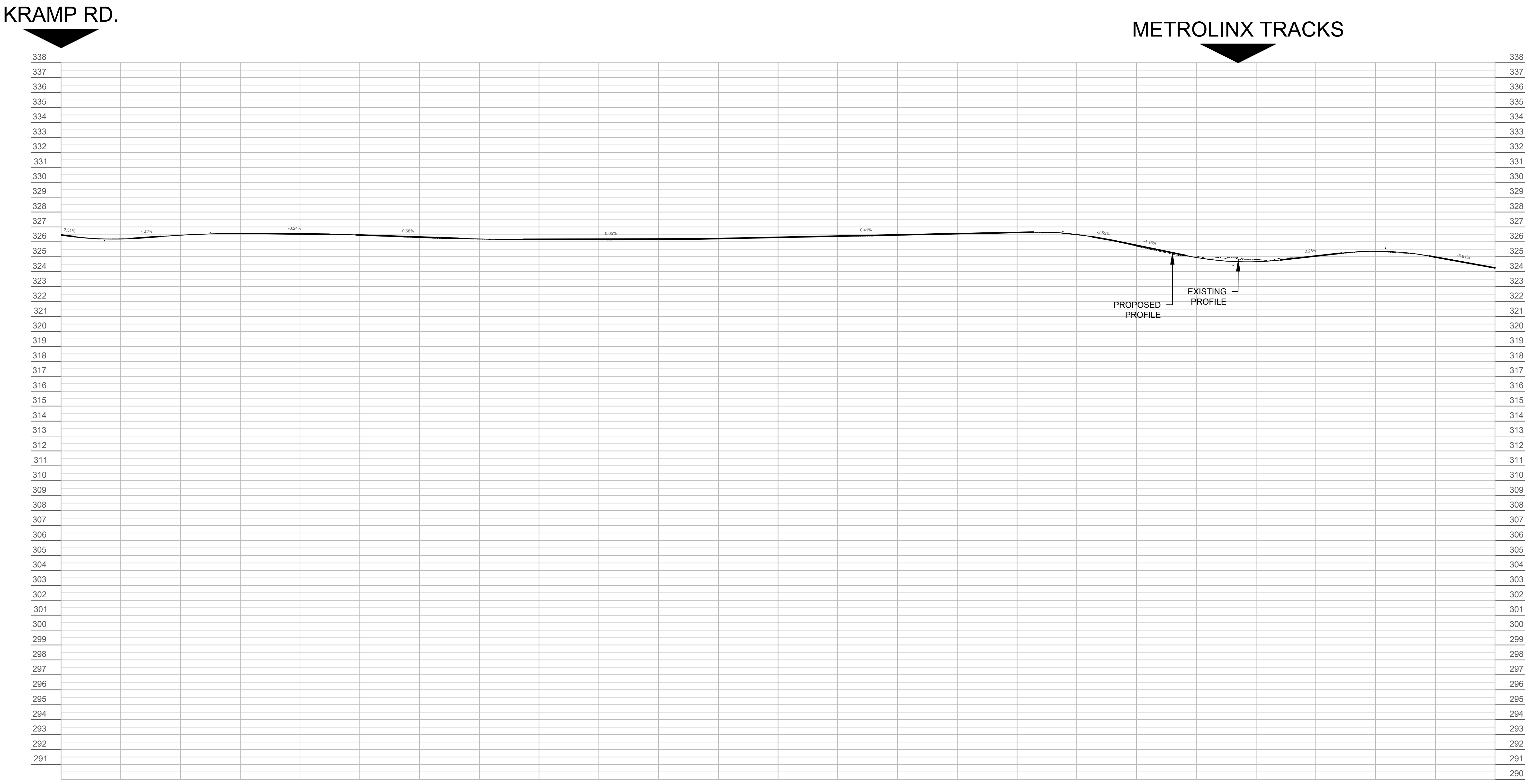


KEY PLAN



LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodland
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm



EXISTING CL ELEVATION	326.22	326.21	326.31	326.44	326.54	326.57	326.56	326.55	326.52	326.46	326.38	326.28	326.22	326.18	326.16	326.15	326.15	326.13	326.14	326.15	326.18	326.24	326.29	326.33
STATION		0+020		0+040		0+060		0+080		0+100		0+120		0+140		0+160		0+180		0+200		0+220		0+240

EXISTING CL ELEVATION	326.37	326.37	326.38	326.43	326.53	326.55	326.61	326.64	326.62	326.47	326.17	325.71	325.27	324.99	324.88	324.82	324.93	325.05	325.24	325.33	325.24	324.99	324.65
STATION		0+260		0+280		0+300		0+320		0+340		0+360		0+380		0+400		0+420		0+440		0+460	

WOOLWICH TOWNSHIP

Associated Engineering

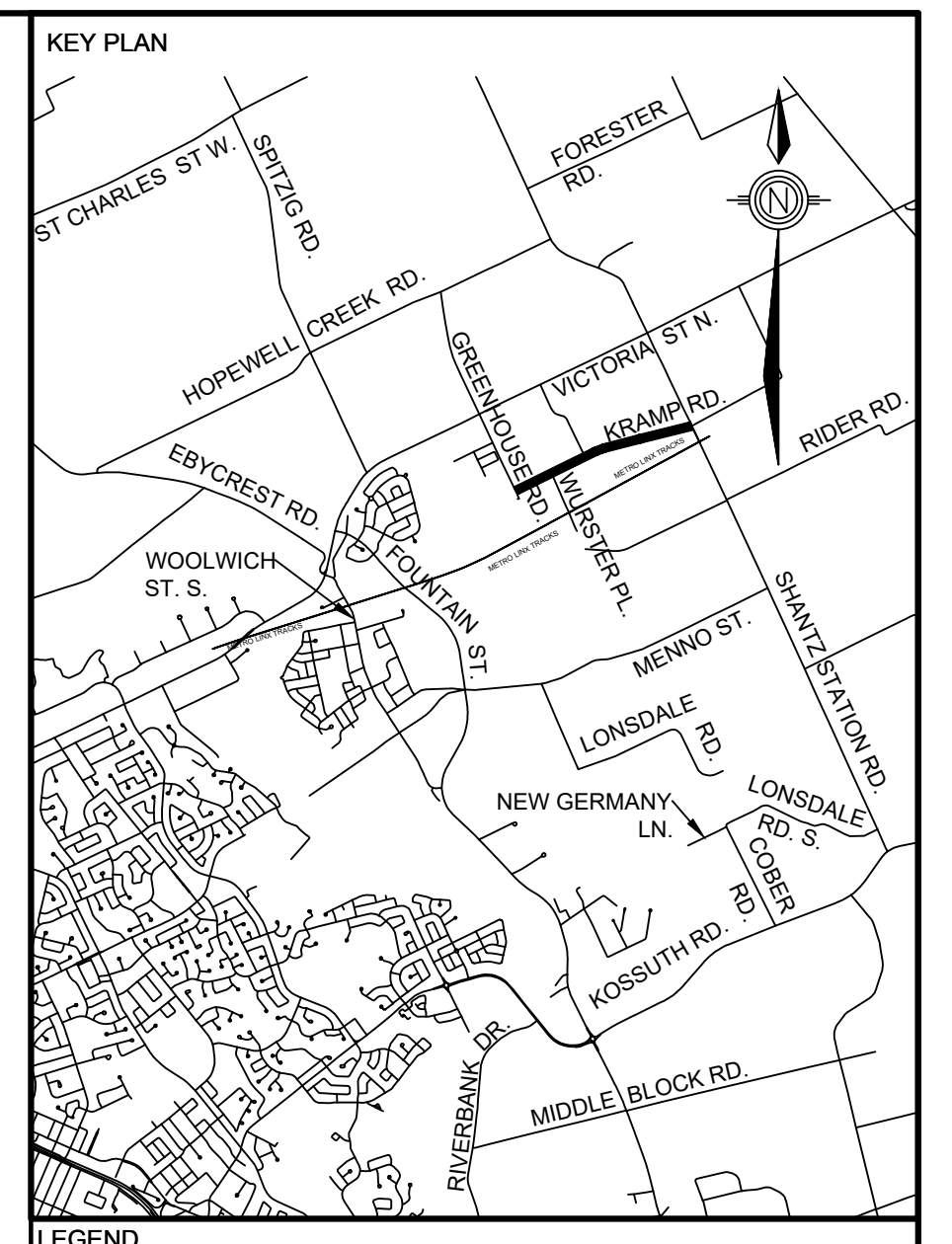
PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

WURSTER PL. - KRAMP RD. TO CNR/METROLINX

STA: 0+000 TO 0+480

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	13 OF 23	DWG NO:	C-111


KEY PLAN

LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodland
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

KRAMP RD. - GREEN HOUSE RD. TO SHANTZ STATION RD.

0+000 TO 1+760

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 15, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	14 OF 23	DWG NO:	C-112

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

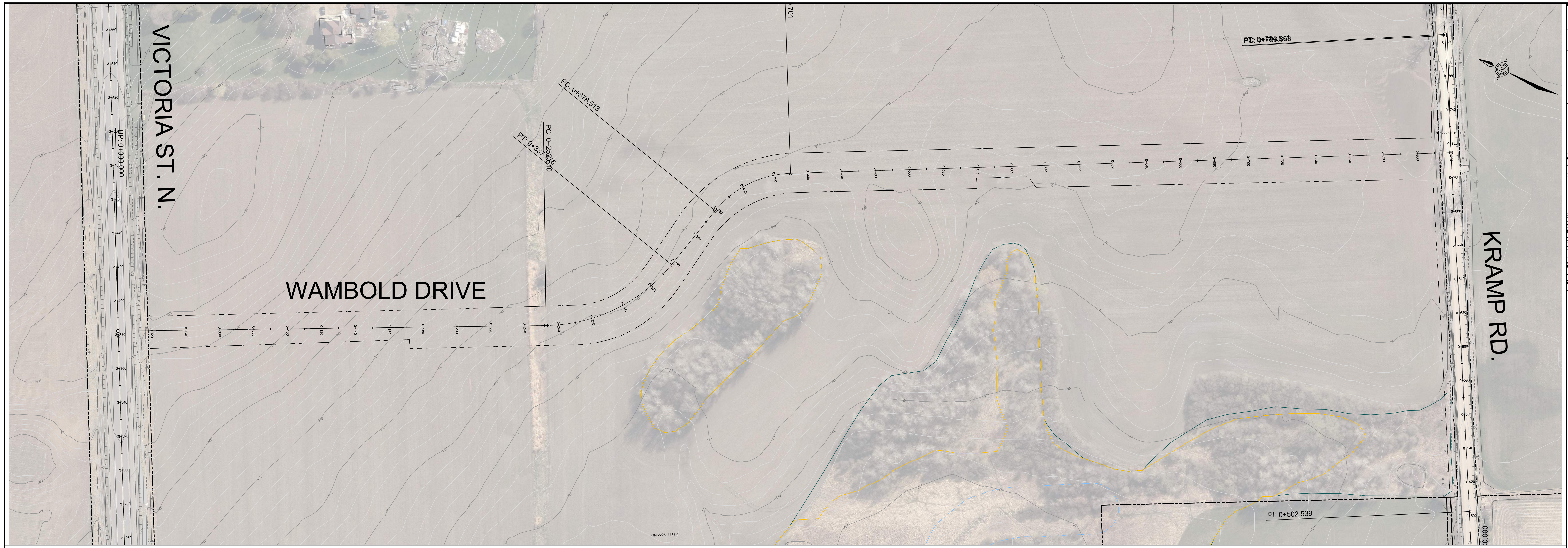
VICTORIA ST. - GRAND RIVER BRIDGE TO SHANTZ STATION RD.

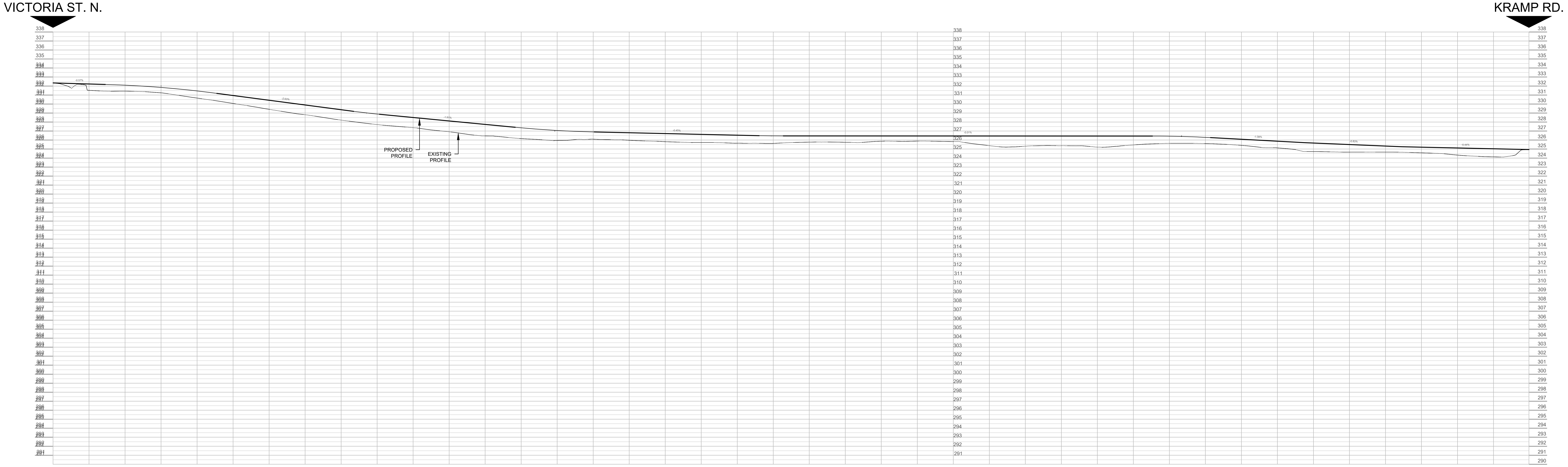
STA: 0+000 TO 4+493

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 15, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	15 OF 23	DWG NO:	C-113

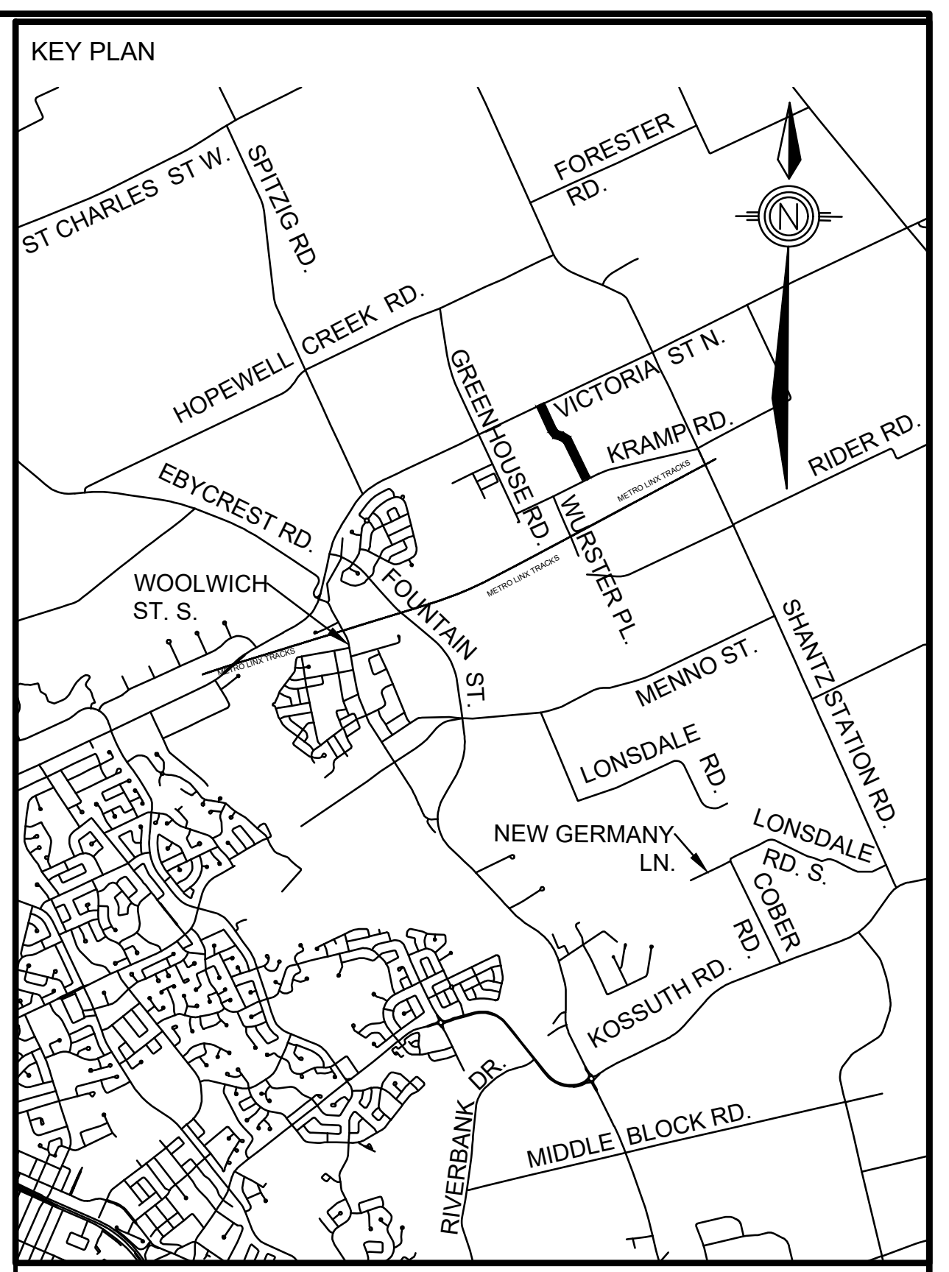
\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-1





STATION	EXISTING CL ELEVATION
	331.78
0+020	331.52
	331.43
0+040	331.44
	331.38
0+060	331.24
	330.96
0+080	330.66
	330.38
0+100	330.07
	329.75
0+120	329.41
	329.09
0+140	328.81
	328.51
0+160	328.22
	327.95
0+180	327.72
	327.54
0+200	327.38
	327.13
0+220	326.92
	326.65
0+240	326.46
	326.34
0+260	326.16
	326.06
0+280	325.95
	326.06
0+300	326.10
	326.04
0+320	325.98
	325.89
0+340	325.82
	325.75
0+360	325.73
	325.71
0+380	325.65
	325.64
0+400	325.63
	325.73
0+420	325.77
	325.78
0+440	325.75
	325.75
0+460	325.87
	325.86
0+480	325.88
	325.87
0+500	325.83
	325.62
0+520	325.38
	325.22
0+540	325.32
	325.38
0+560	325.37
	325.37
0+580	325.21
	325.30
0+600	325.45
	325.57
0+620	325.64
	325.64
0+640	325.61
	325.54
0+660	325.41
	325.21
0+680	325.13
	324.94
0+700	324.72
	324.69
0+720	324.66
	324.67
0+740	324.67
	324.64
0+760	324.58
	324.51
0+780	324.33
	324.21
0+800	324.13
	324.24

KEY PLAN



LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodland
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

WAMBOLD DRIVE - VICTORIA ST. N. TO KRAMP RD.

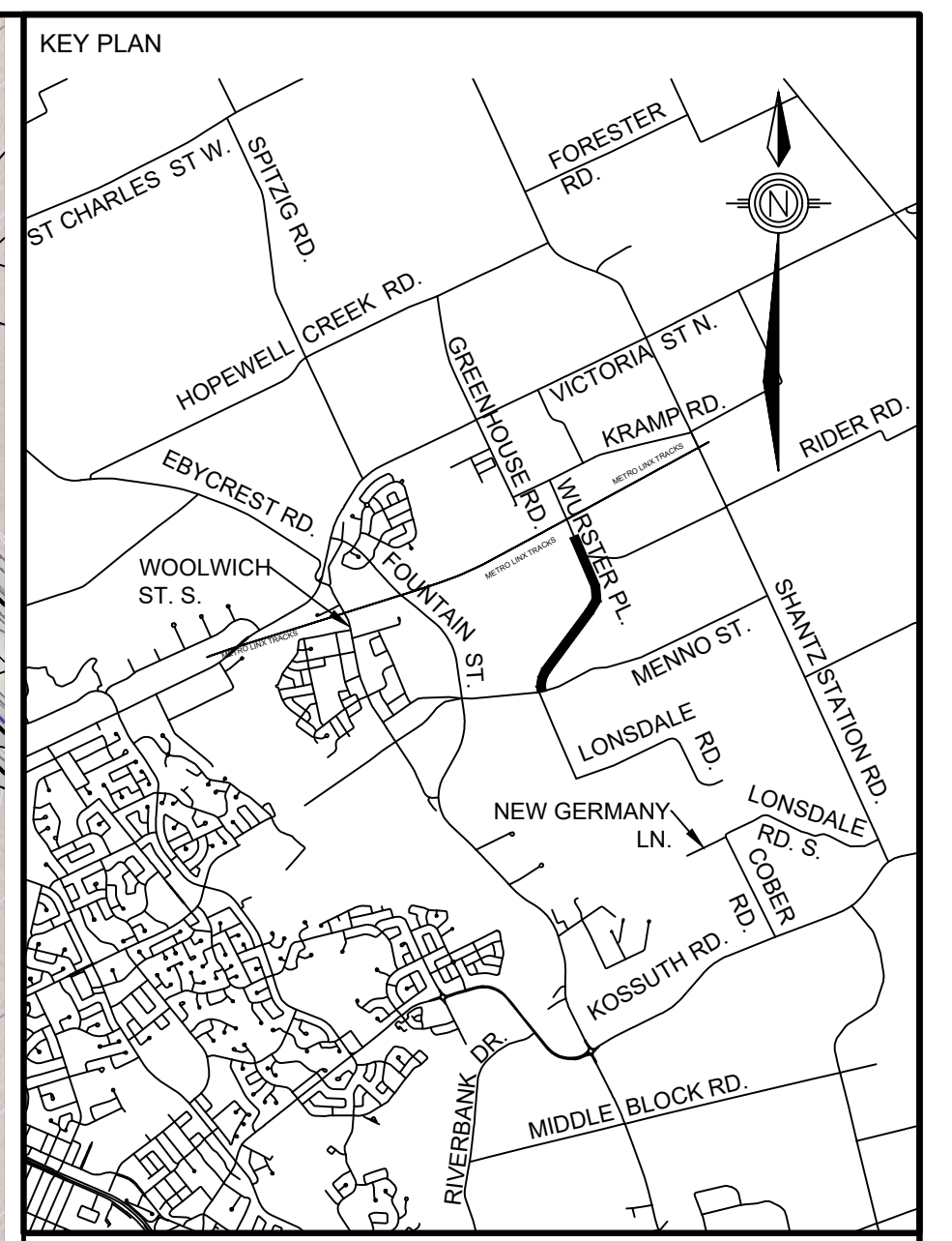
STA: 0+000 TO 0+820

PRELIMINARY/ FOR DISCUSSION NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 15, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	16 OF 23	DWG NO:	C-114

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DWG

KEY PLAN



LEGEND

▬ ▬ – ▬	Property lines
─	Watercourse
– – –	Watercourse Buffer
─	Wetland
─	Wetland Buffer (15m)
• • •	GRCA Regional Flood Line
⌒⌒⌒	Woodland
─	RMW Core Feature
─	Minor Contour (0.25m)
─	Major contour (1.0m)
┬┬┬	Top of Bank
- - -	Bottom of Bank
─	Existing Sanitary
─	Existing Watermain
─	Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

WURSTER PL. EXTENSION - CNR/METROLINX TO MENNO ST.

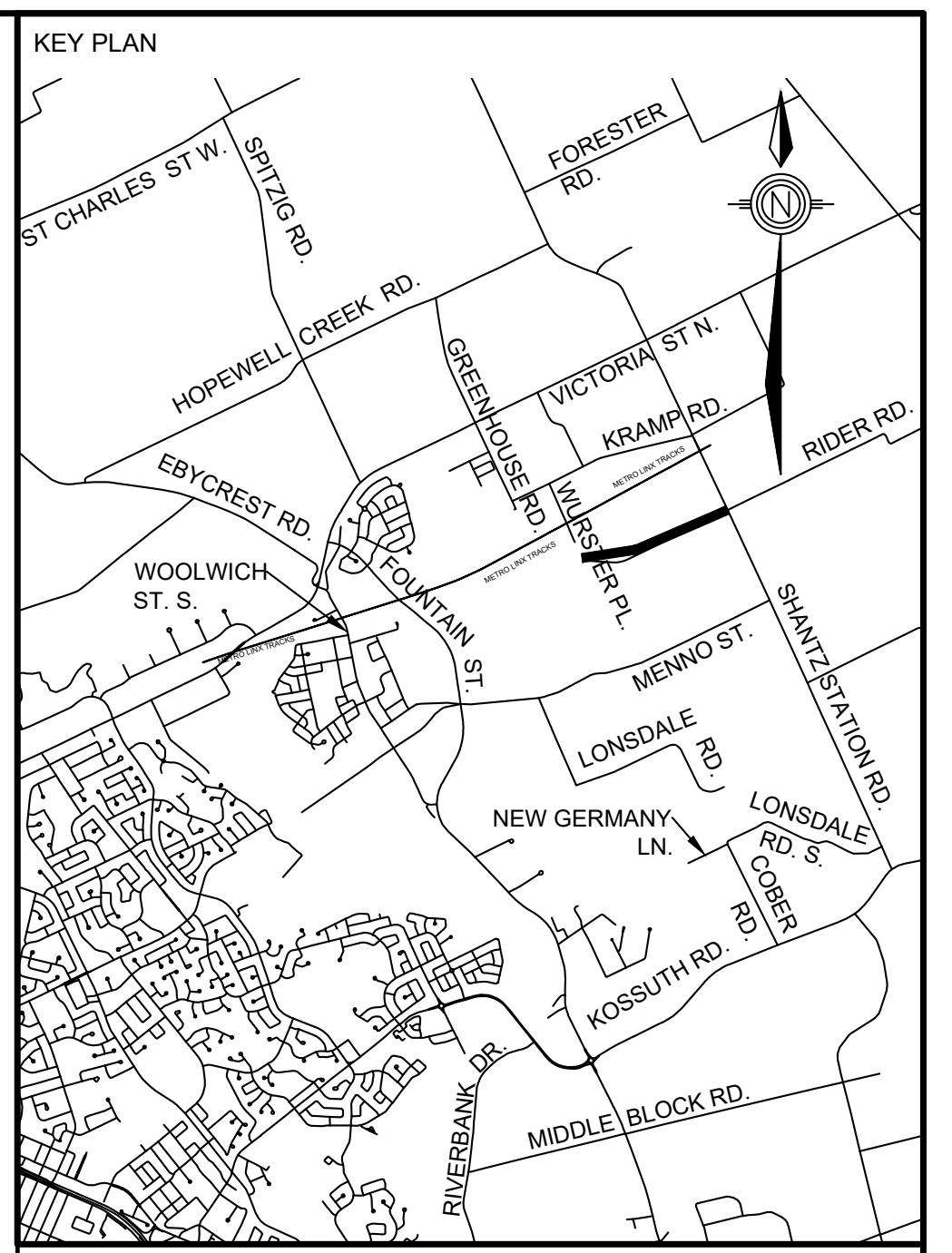
STA: 0+000 TO 1+723

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 15, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	17 OF 23	DWG NO:	C-115

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DWG

KEY PLAN



LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodland
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm

STATION	PROPOSED TOP	EXISTING CL ELEVATION
	321.061	321.20
0+020	321.216	320.69
	321.372	320.72
0+040	321.527	320.81
	321.683	320.92
0+060	321.838	321.06
	321.994	321.19
0+080	322.141	321.28
	322.256	321.45
0+100	322.338	321.65
	322.386	321.75
0+120	322.401	321.84
	322.383	321.91
0+140	322.331	321.82
	322.246	321.62
0+160	322.128	321.53
	321.976	321.34
0+180	321.807	321.08
	321.681	320.73
0+200	321.605	320.55
	321.579	320.38
0+220	321.602	320.26
	321.676	320.19
0+240	321.800	320.19
	321.974	320.24
0+260	322.198	320.51
	322.472	320.76
0+280	322.788	320.94
	323.108	321.03
0+300	323.428	321.90
	323.748	322.64
0+320	324.047	323.27
	324.281	323.89
0+340	324.448	324.41
	324.549	324.15
0+360	324.582	323.59
	324.551	323.09
0+380	324.500	322.99
	324.450	322.93
0+400	324.399	322.85
	324.348	322.85
0+420	324.297	322.93
	324.246	322.95
0+440	324.195	322.96
	324.144	322.95
0+460	324.094	322.95
	324.043	322.95
0+480	323.992	322.88
	323.941	322.85
0+500	323.890	322.78
	323.839	322.79
0+520	323.788	322.83
	323.738	322.87
0+540	323.687	322.81
	323.636	322.73
0+560	323.579	322.66
	323.506	322.54
0+580	323.432	322.41
	323.358	322.34
0+600	323.285	322.26
	323.211	322.25
0+620	323.137	322.31
	323.064	322.25
0+640	322.990	322.17
	322.916	322.10
0+660	322.843	322.00
	322.760	321.89
0+680	322.658	321.89
	322.536	321.61
0+700	322.397	321.33
	322.257	321.25
0+720	322.128	321.23
	322.033	321.08
0+740	321.971	319.77
	321.942	320.99
0+760	321.947	321.25
	321.985	321.29
0+780	322.054	321.34
	322.129	321.37
0+800	322.203	321.42
	322.278	321.48
0+820	322.353	321.48
	322.411	321.42
0+840	322.440	321.38
	322.465	321.37
0+860	322.491	321.29
	322.517	321.36
0+880	322.542	321.42
	322.568	321.47
0+900	322.601	321.49
	322.667	321.68
0+920	322.766	321.92
	322.897	322.07
0+940	323.038	322.26
	323.178	322.44
0+960	323.319	322.54
	323.459	322.67
0+980	323.600	322.80
	323.741	322.94
1+000	323.881	323.00
	324.036	323.17
1+020	324.221	323.45
	324.413	323.71
1+040	324.604	323.98
	324.795	324.29
1+060	324.987	324.62
	325.178	324.81
1+080	325.369	324.89
	325.561	325.05
1+100	325.752	325.21
	325.943	325.31
1+120	326.134	325.48
	326.301	325.71
1+140	326.436	325.84
	326.536	325.99
1+160	326.604	326.20
	326.638	326.37
1+180	326.639	326.37
	326.606	326.33
1+200	326.541	326.20
	326.441	326.07
1+220	326.309	325.84
	326.143	325.49
1+240	325.944	325.16
	325.734	324.90
1+260	325.524	324.61
	325.314	324.28
1+280	325.103	323.95
	324.893	323.77
1+300	324.683	323.54
	324.473	323.30
1+320	324.288	323.15
	324.136	323.06
1+340	324.018	323.02
	323.933	323.12
1+360	323.880	323.22
	323.836	323.30
1+380	323.792	323.26
	323.748	323.25
1+400	323.705	323.18
	323.661	323.18
1+420	323.617	322.85

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

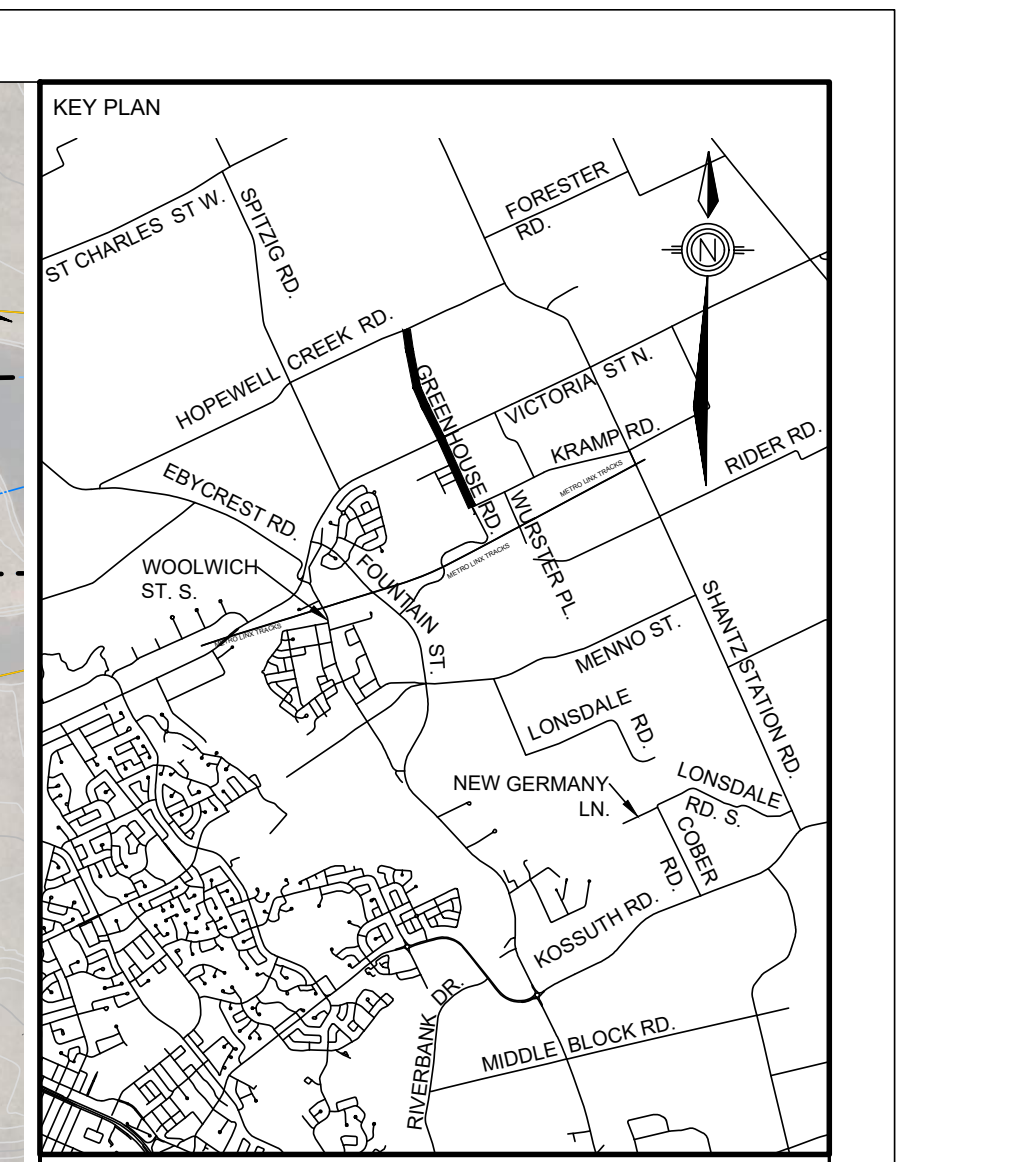
RIDER ROAD EXTENSION - ASSUMED NEW RD. 1 TO SHANTZ STATION RD.

STA: 0+000 TO 1+430

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 15, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	18 OF 23	DWG NO:	C-116

\\AE.CA\DATA\WORKING\KIT\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-101-116.DWG



LEGEND

▬ · ▬	Property lines
—	Watercourse
– – –	Watercourse Buffer
—	Wetland
—	Wetland Buffer (15m)
• • •	GRCA Regional Flood Line
⌒⌒⌒	Woodand
—	RMW Core Feature
—	Minor Contour (0.25m)
—	Major contour (1.0m)
┬┬┬	Top of Bank
- - -	Bottom of Bank
—	Existing Sanitary
—	Existing Watermain
—	Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

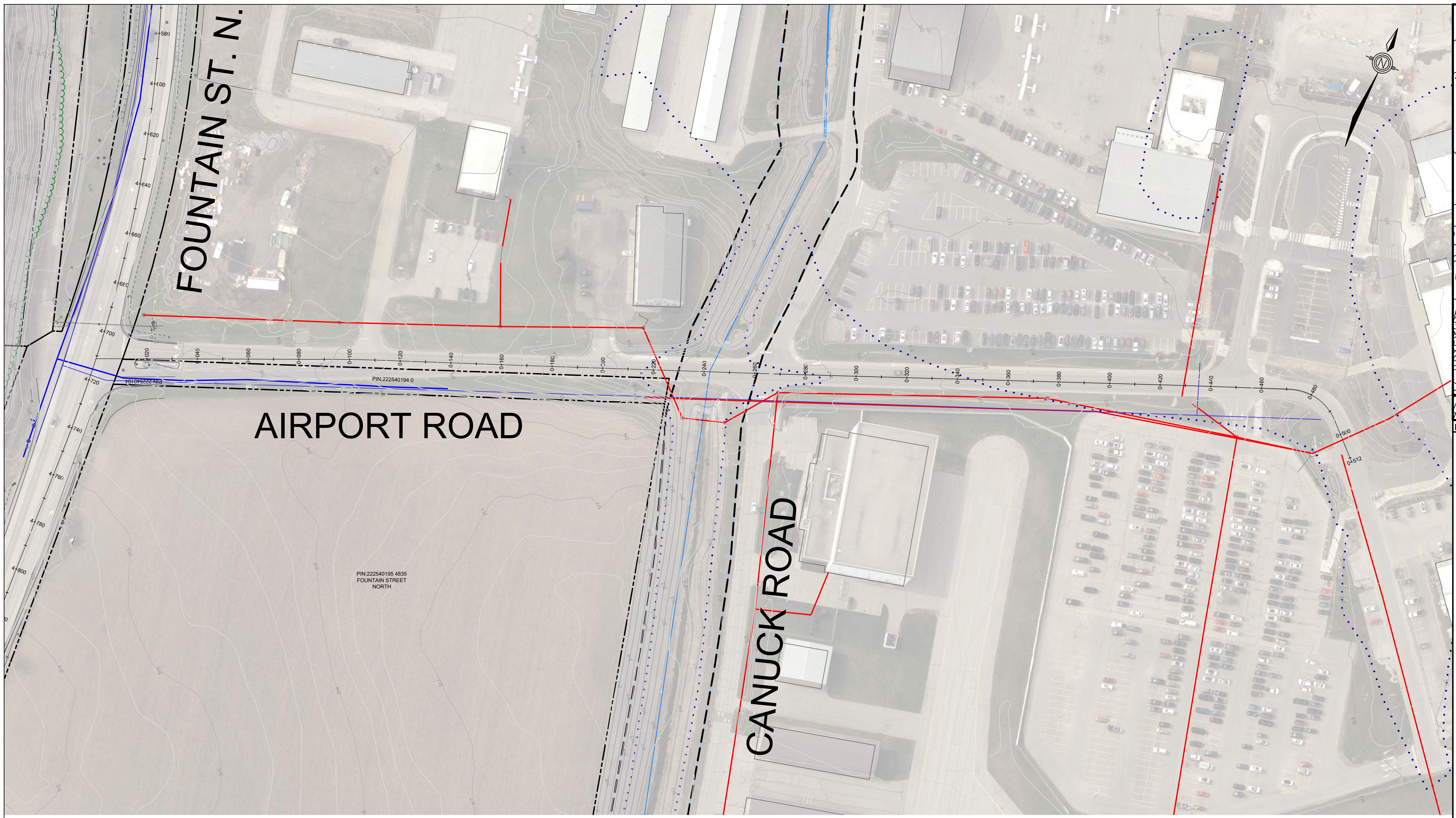
GREENHOUSE RD. - HOPEWELL CREEK RD. TO KRAMP RD.

STA:0+000 TO 1+980

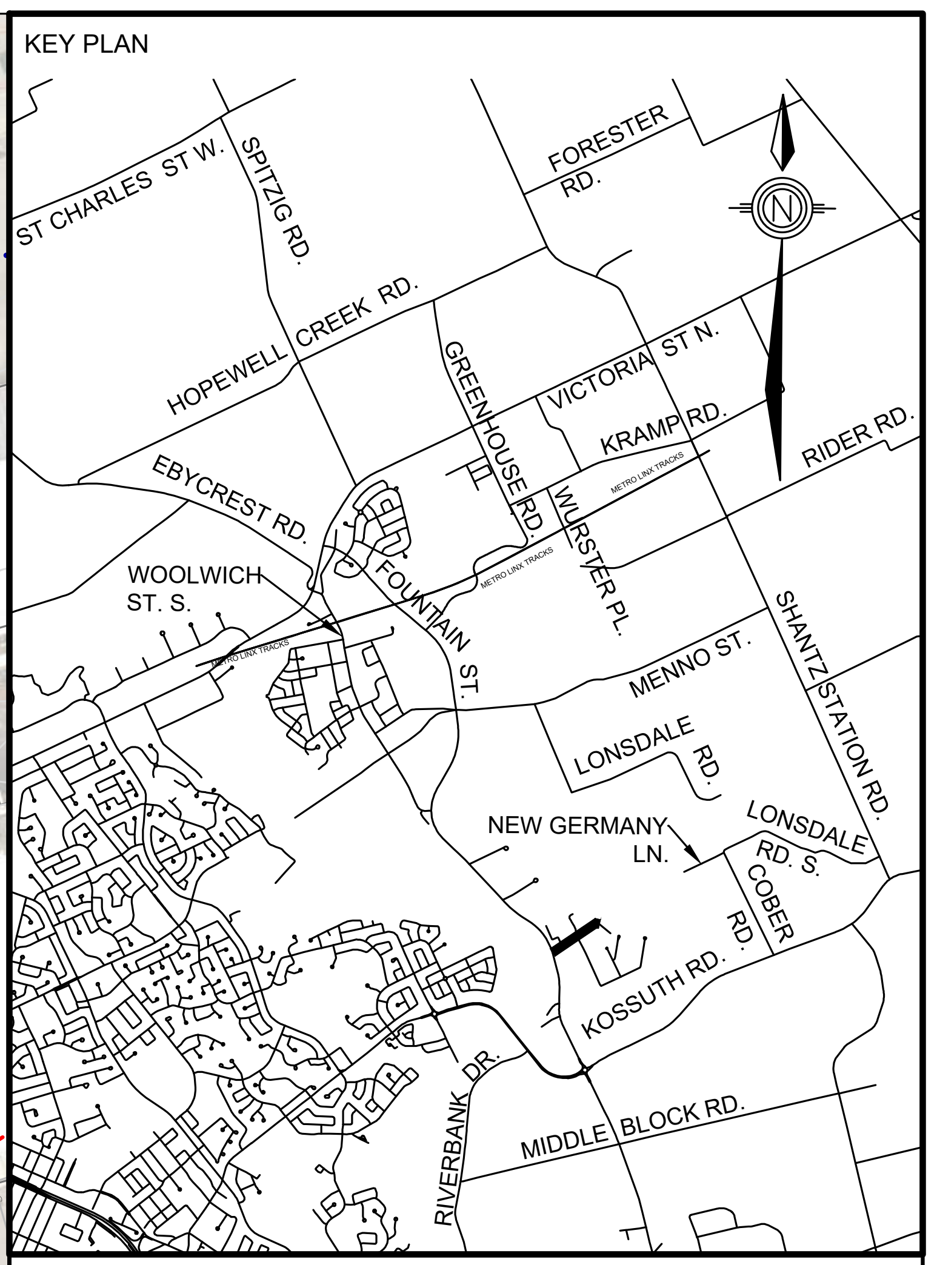
PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	19 OF 23	DWG NO:	C-119

Q:\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-119-121.DWG

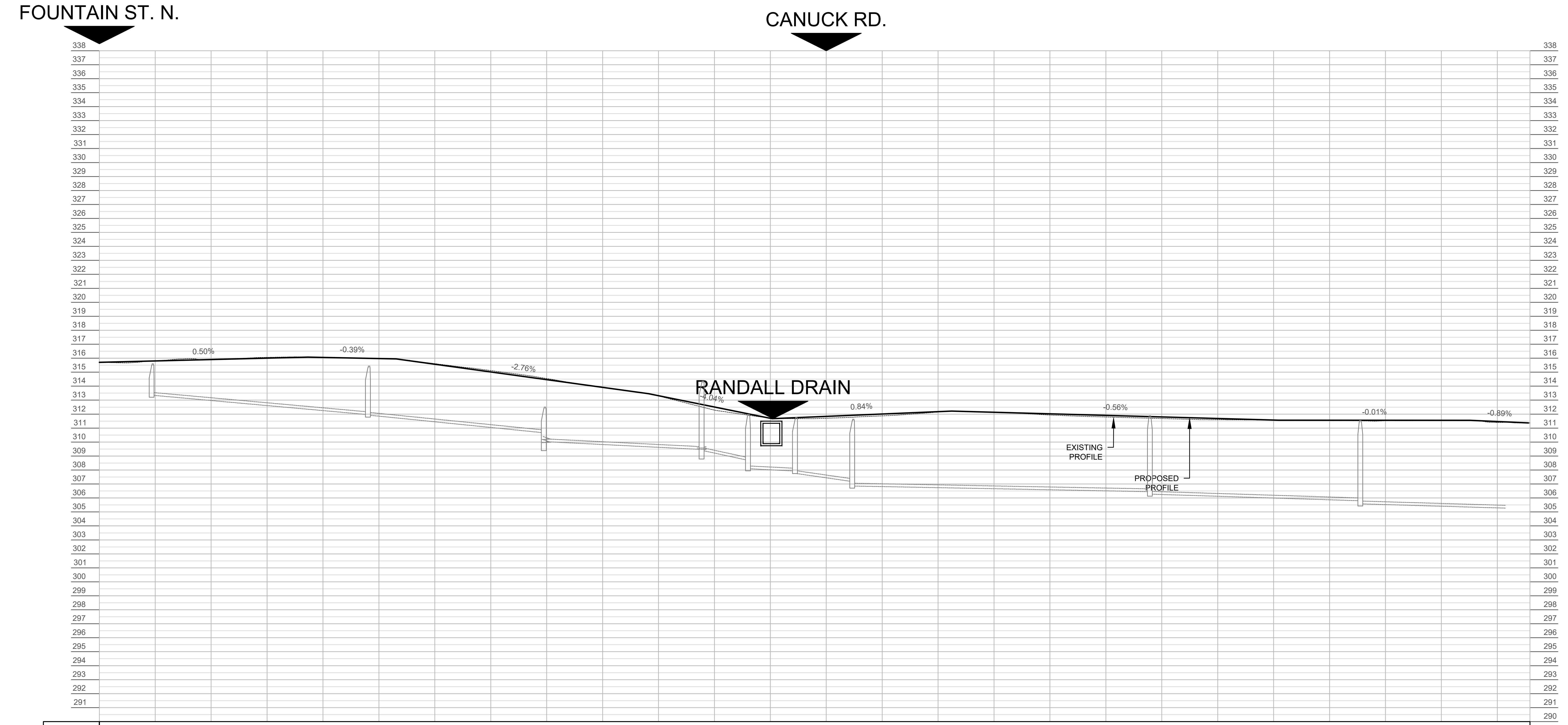


KEY PLAN



LEGEND

Property lines
Watercourse
Watercourse Buffer
Wetland
Wetland Buffer (15m)
GRCA Regional Flood Line
Woodand
RMW Core Feature
Minor Contour (0.25m)
Major contour (1.0m)
Top of Bank
Bottom of Bank
Existing Sanitary
Existing Watermain
Existing Storm



PROPOSED TOP	315.754	315.804	315.853	315.903	315.952	316.002	316.051	316.053	316.014	315.975	315.845	315.570	315.294	315.019	314.743	314.467	314.192
EXISTING CL ELEVATION	315.66	315.81	315.95	315.93	315.98	316.06	316.10	316.07	316.01	315.97	315.87	315.61	315.36	315.11	314.85	314.55	314.21
STATION		0+020		0+040		0+060		0+080		0+100		0+120		0+140		0+160	

PROPOSED TOP	313.916	313.641	313.319	312.915	312.511	312.107	311.703	311.756	311.840	311.924	312.008	312.092	312.176	312.188	312.132	312.076	312.020
EXISTING CL ELEVATION	313.91	313.64	313.30	312.79	312.28	311.99	311.69	311.67	311.71	311.78	311.88	312.00	312.14	312.19	312.14	312.05	311.93
STATION	0+180		0+200		0+220		0+240		0+260		0+280		0+300		0+320		0+340

PROPOSED TOP	311.964	311.908	311.852	311.796	311.740	311.685	311.629	311.573	311.561	311.560	311.559	311.558	311.556	311.555	311.554	311.467	311.377
EXISTING CL ELEVATION	311.86	311.79	311.74	311.68	311.63	311.60	311.58	311.57	311.56	311.54	311.53	311.53	311.53	311.54	311.55	311.41	311.37
STATION		0+360		0+380		0+400		0+420		0+440		0+460		0+480		0+500	

WOOLWICH
TOWNSHIP

Associated
Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

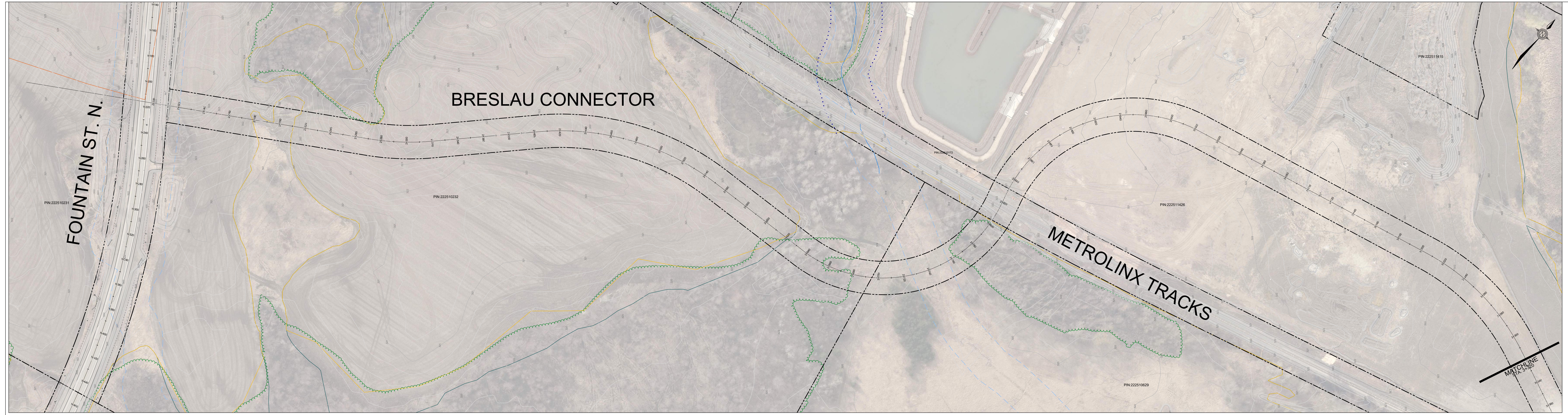
AIRPORT RD. - FOUNTAIN ST. N. TO PUMPING STATION

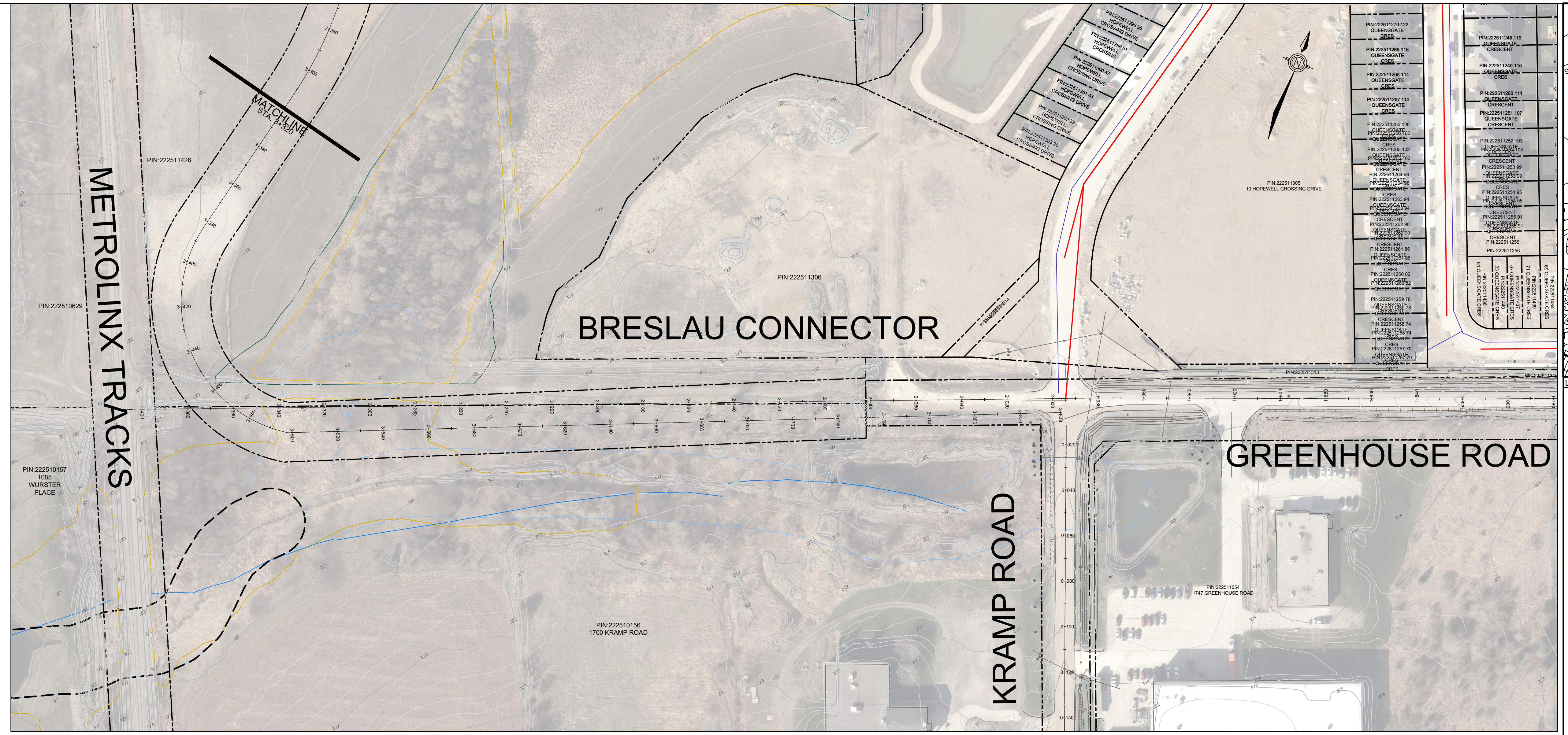
STA:0+000 TO 0+512

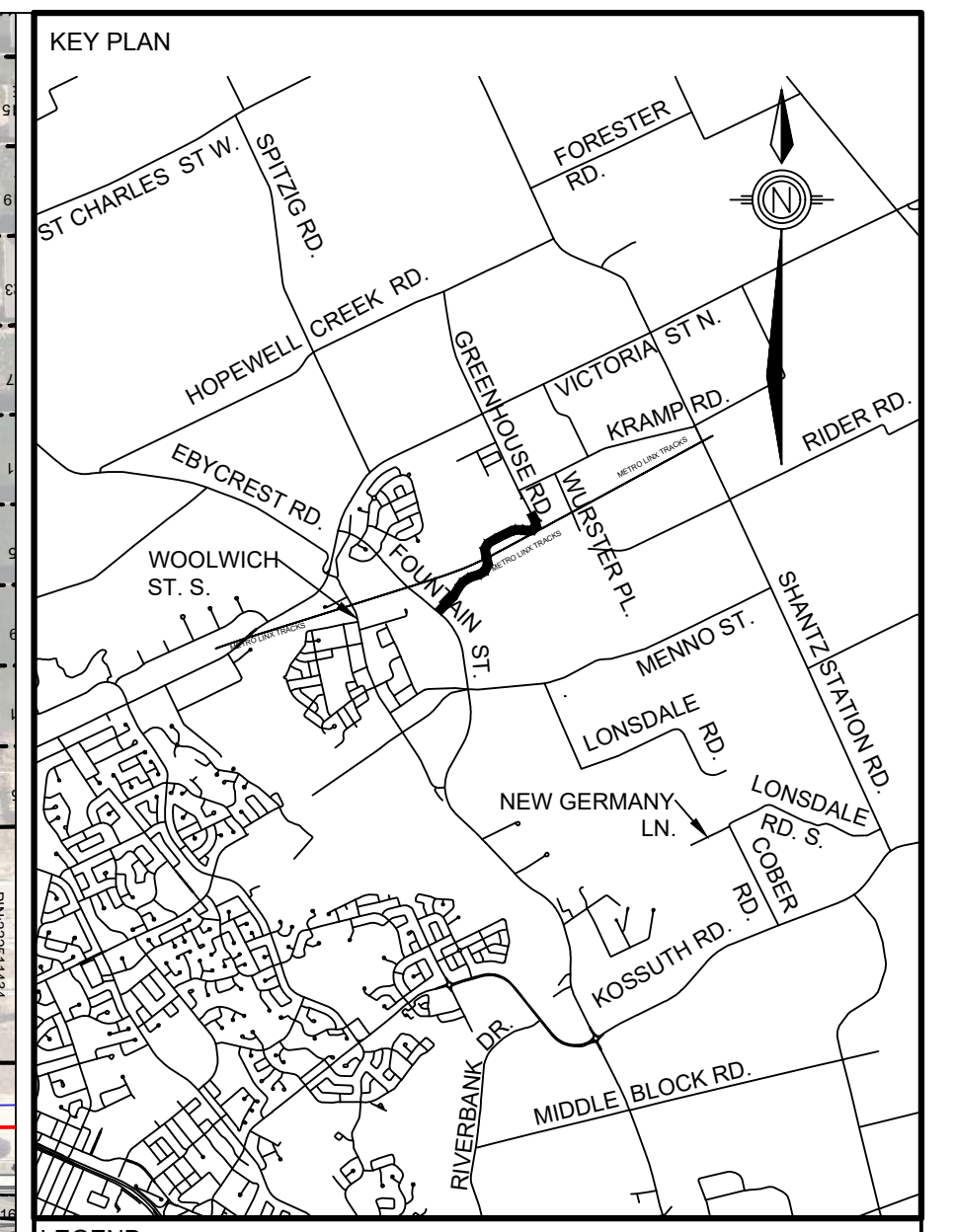
**PRELIMINARY/
FOR DISCUSSION**
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	20 OF 23	DWG NO:	C-120

Q:\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-119-121.DWG







LEGEND

- Property lines
- Watercourse
- Watercourse Buffer
- Wetland
- Wetland Buffer (15m)
- GRCA Regional Flood Line
- Woodand
- RMW Core Feature
- Minor Contour (0.25m)
- Major contour (1.0m)
- Top of Bank
- Bottom of Bank
- Existing Sanitary
- Existing Watermain
- Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

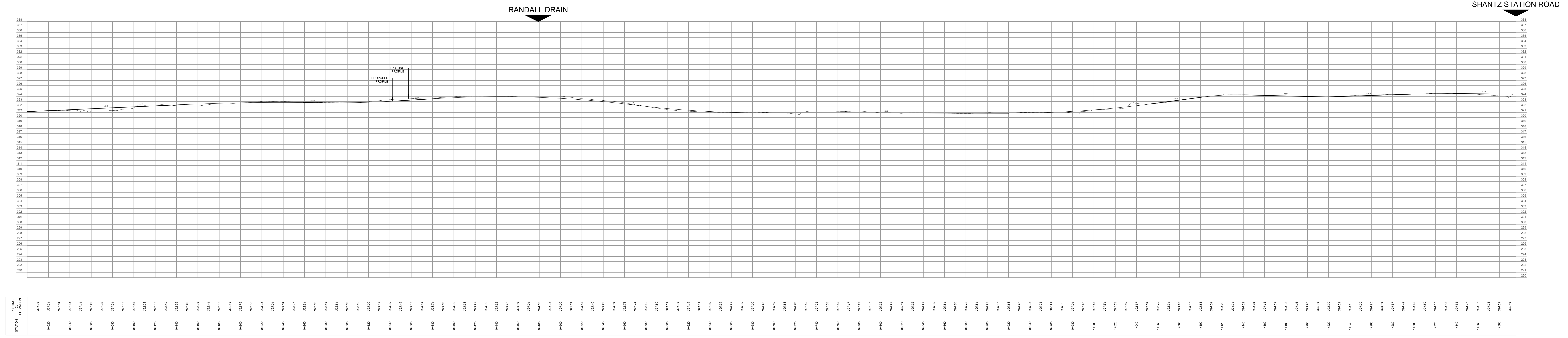
BRESLAU CONNECTOR - HOPEWELL CREEK RD. TO KRAMP RD.

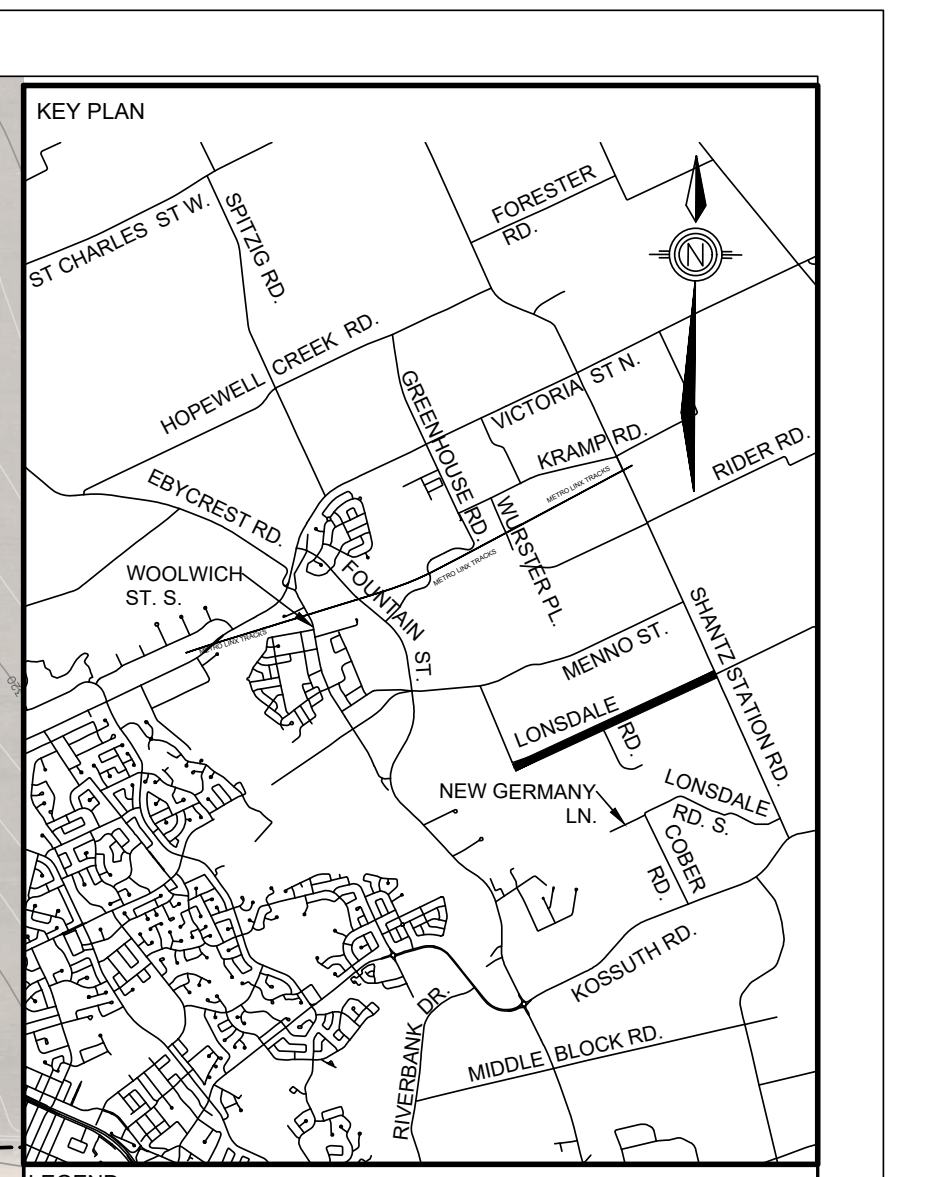
STA:2+000 TO 3+830

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	21 OF 23	DWG NO:	C-121

Q:\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-119-121.DWG





LEGEND

— - — - —	Property lines
—	Watercourse
– – –	Watercourse Buffer
—	Wetland
—	Wetland Buffer (15m)
• • • •	GRCA Regional Flood Line
⌒⌒⌒	Woodland
—	RMW Core Feature
—	Minor Contour (0.25m)
—	Major contour (1.0m)
┬┬┬	Top of Bank
- - - -	Bottom of Bank
—	Existing Sanitary
—	Existing Watermain
—	Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

LONSDALE - VANCE RD

STA:0+000 TO 2+331

**PRELIMINARY/
FOR DISCUSSION
NOT FOR CONSTRUCTION**

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	22 OF 23	DWG NO:	C-122

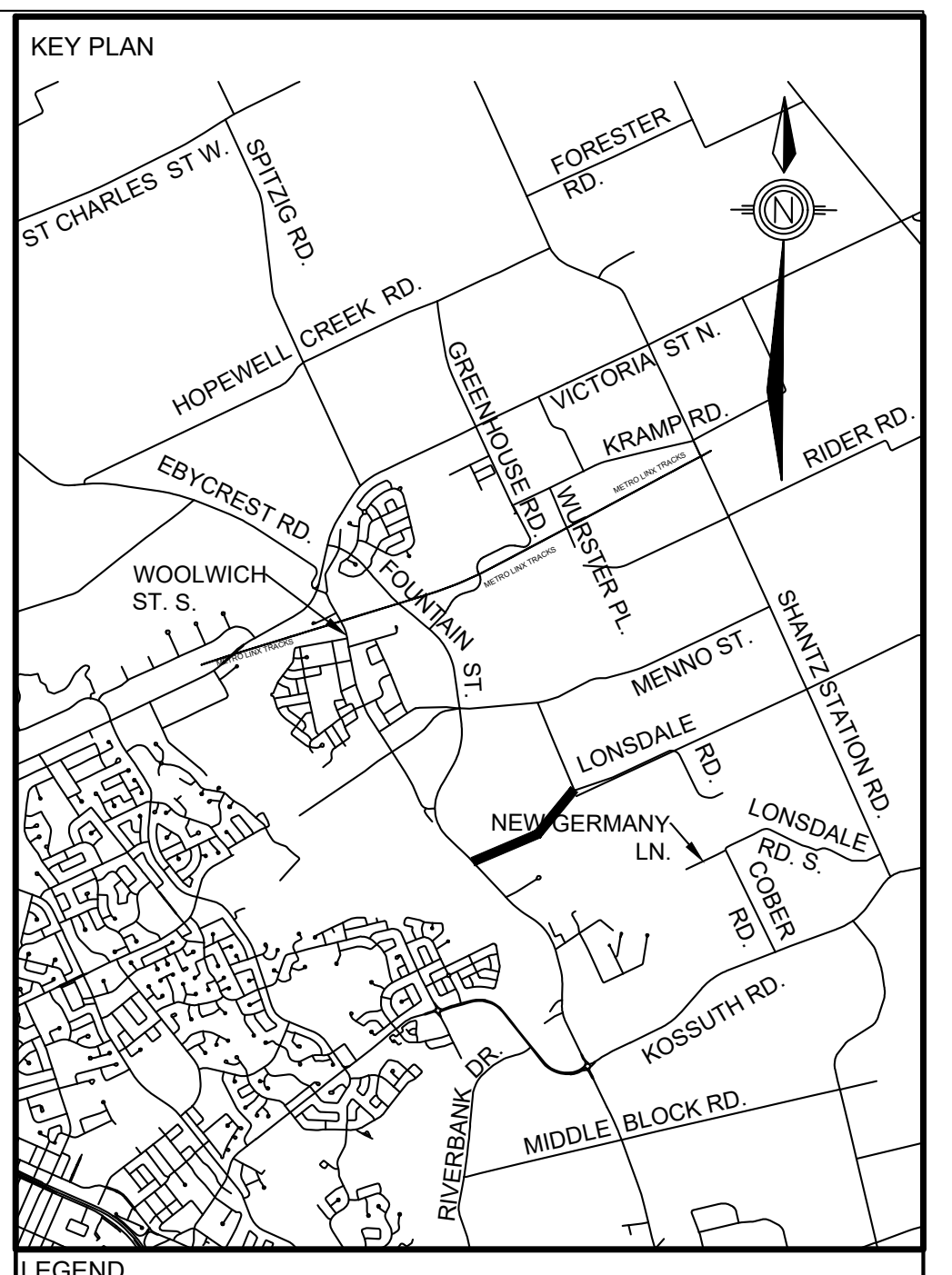
Q:\2023-5737-00\CIVL\MODEL_SHEETS\5737-00-C-122-124.DWG

FOUNTAIN ST.

LONSDALE RD

STATION	EXISTING CL ELEVATION
	314.36
2+020	315.31
	315.14
2+040	313.34
	314.23
2+060	314.38
	314.20
2+080	314.14
	314.05
2+100	313.87
	313.76
2+120	313.72
	313.64
2+140	313.55
	313.55
2+160	313.55
	313.53
2+180	313.34
	313.28
2+200	313.27
	313.26
2+220	313.23
	313.20
2+240	313.17
	313.12
2+260	313.09
	313.09
2+280	313.07
	313.04
2+300	313.02
	312.99
2+320	312.96
	312.93
2+340	312.87
	312.81
2+360	312.75
	312.71
2+380	312.67
	312.70
2+400	312.67
	312.70
2+420	312.44
	312.42
2+440	312.37
	312.43
2+460	312.24
	312.21
2+480	312.19
	312.11
2+500	311.93
	311.44
2+520	311.92
	313.46
2+540	313.60
	313.55
2+560	313.55
	313.57
2+580	313.49
	313.37
2+600	313.33
	313.32
2+620	313.32
	313.32
2+640	313.33
	313.30
2+660	313.28
	313.30
2+680	313.22
	313.23
2+700	313.19
	313.12
2+720	313.10
	313.15
2+740	313.21
	313.20
2+760	313.20
	313.22
2+780	313.24
	313.24
2+800	313.44
	313.64
2+820	313.86
	313.91
2+840	313.83
	313.72
2+860	313.65
	313.56
2+880	313.45
	313.36
2+900	313.34
	313.33
2+920	313.38
	313.42
2+940	313.33
	313.14
2+960	313.17
	313.11
2+980	313.10
	313.15
3+000	313.58
	313.77
3+020	313.98
	314.19
3+040	314.40
	314.52
3+060	314.57
	314.68
3+080	314.91
	314.77
3+100	314.55
	314.41
3+120	314.25
	314.07
3+140	313.94
	313.82
3+160	313.77
	313.83
3+180	313.74
	313.81
3+200	314.07

KEY PLAN



LEGEND

▬ ‑ ‑ ▬	Property lines
─	Watercourse
‑ ‑ ‑	Watercourse Buffer
─	Wetland
─	Wetland Buffer (15m)
• • •	GRCA Regional Flood Line
⌒⌒⌒	Woodland
─	RMW Core Feature
─	Minor Contour (0.25m)
─	Major contour (1.0m)
┬┬┬	Top of Bank
‑ ‑ ‑	Bottom of Bank
─	Existing Sanitary
─	Existing Watermain
─	Existing Storm

WOOLWICH TOWNSHIP

Associated Engineering

PROJECT: EAST SIDE LANDS - WOOLWICH SANITARY PS EA

AIRPORT - LONSDALE ROAD TO FOUNTAIN ST. N. ALONG JELINER COURT
STA:2+000 TO 3+199

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION

DRAWN BY:	N.C.		
CHECKED BY:	D.L.		
DATE:	October 11, 2024		
HORIZONTAL SCALE:	1:1000	VERTICAL SCALE:	1:200
SHEET NO:	23 OF 23	DWG NO:	C-123

Appendix A.2 – Summary of Geotechnical Reports

Report Name	**Date**	**Firm**
Hydrogeologic Assessment – Proposed Bunkhouse at 1625 Kossuth Road.	January 2023	Groundwater Science Corp
Preliminary Geotechnical Investigation Breslau East Connector Road Class Environmental Assessment	March 2021	Sirati & Partners
Hydrogeological Investigation Report Breslau East Connector Road Fountain Street to Greenhouse Road	March 2021	Sirati & Partners
Geotechnical Investigation Proposed Residential Subdivision Fountain Street North and Menno Street	September 2019	Chung and Vander Doelen Engineering Ltd.
Hydrogeological Investigation Proposed Draft Plan of Subdivision Part of Lots 108, 109, 114, 115 German Company Tract	December 2019	Chung and Vander Doelen Engineering Ltd.
Conestoga Meats Proposed Building 2023 Expansion	August 2023	CMT Engineering Inc.
Proposed Building for Conestoga Meats	January 2024	CMT Engineering Inc.
Conestoga Meats Preliminary Hydrogeological Study: 313 Menno Street, Breslau	March 2024	GM BluePlan Engineering
Report on Geotechnical Investigation Reconstruction of Menno Street, Dovercourt Road, Elroy Road and Woolwich Street	January 2021	Sirati & Partners
Geotechnical Investigation Proposed Residential Subdivision Riverland Area 2	January 2012	SPL Consultants Limited
Consolidated Hydrogeological Study and Wetland Investigation Proposed Residential Subdivision Riverland Area 2	January 2013	SPL Consultants Limited
Geotechnical Investigation Reconstruction of Regional Road 17 (Fountain Street)	April 2015	Peto MacCallum Ltd.
Geotechnical Investigation Reconstruction of Greenhouse Road Between Victoria Street and 80 m South of Kramp Road,	February 2021	Sirati & Partners
Detailed Hydrogeological Assessment Draft Plan of Subdivision 30T-11701 Arris	May 2012	WESA

Glen Developments Ltd/Thomasfield Homes Ltd.		
Geotechnical Investigation Proposed Mixed Use Development	April 2011	Peto MacCallum Ltd.
Hydrogeological Site Assessment for Seagrams and Bisgould Lands and Stormwater Management Ponds	April 2011	Peto MacCallum Ltd.
Supplementary Geotechnical Investigation Proposed Mixed Use Development	December 2010	Peto MacCallum Ltd.
Geotechnical Investigation Reconstruction of Kramp Road between Greenhouse Road and 360 Metres East of Wurster Place	February 2021	Sirati & Partners
Geotechnical Pavement Investigation for Menno Street from 100 M East of Lonsdale Road to East of Property Limits of Conestoga Meats	May 2010	Sirati & Partners
Geotechnical Investigation Proposed Residential Subdivision Riverland Area 2	January 2012	SPL Consultants Limited
Geotechnical Investigation Proposed Residential Subdivision Riverland Area 2	January 2012	SPL Consultants Limited
Summary Hydrogeological Investigation Riverland Subdivision (Stage 1)	April 2008	Anderson GeoLogic Limited
Riverland Development Lands, Breslau, Ontario Soil and Groundwater Investigation	March 2021	WSP
Geotechnical Investigation New Watermain Woolwich Street North	July 2022	JLP Services Inc.
Geotechnical Investigation Roadway Projects – Various Roads Woolwich Street South and Dolman Street	August 2011	Peto MacCallum Ltd.
Supplementary Geotechnical Investigation Woolwich Street South Reconstruction Service Installations Beneath Goderich Exeter Railway and Hopewell Creek	September 2014	Peto MacCallum Ltd.
Leased Land 4 (ll4) Area Region of Waterloo International Airport Regional Road 17	February 2009	Naylor Engineering Associates Ltd.

Hydrogeological Assessment for Application for Permit to Take Water Proposed Site Servicing Leased Land Development Area Four (LL4) Region of Waterloo International Airport	December 2010	Genivar Consultants LP
Hydrogeological Assessment Report for 2016 Underground Services Construction Region of Waterloo International Airport	September 2016	MMM Group Limited
Geotechnical and Hydrogeological Engineering Services for Waterloo International Airport Sanitary Servicing Upgrades	March 2019	Golder Associates Ltd.
Geotechnical Investigation Proposed Residential Subdivision Riverland Area 2	March 2021	Golder Associates Ltd.
ROW International Airport New Parking Lot	March 2022	MTE Consultants Inc.
Hydrogeological Assessment for Runway Extensions at the Region of Waterloo International Airport	May 2021	Golder Associates Ltd.
Preliminary Geotechnical Investigation Proposed Residential Subdivision Forwell Developments Ltd	May 2000	Agra Earth and Environmental Ltd.