

## MUNICIPAL INFRASTRUCTURE

## **Regional 6th Line Urbanization (County of Simcoe)**

Innisfil 6<sup>th</sup> Line Urbanization – Road Renewal Project Client and Location: Town of Innisfil, Ontario

As the Town of Innisfil (north of Toronto) continues to grow, communities within are expanding, placing increasing demands on municipal infrastructure. As a result of an adjacent new residential community in the Town of Innisfil required a complete reconstruction to current design standards.

GREENLAND® was retained by the Municipality to undertake the design and approvals necessary for this project, based on the recommendations identified in an approved Environmental Assessment. GREENLAND® was retained for the detailed design of the 6<sup>th</sup> Line including: Expanded Road Geometrics, Watermain, Storm Sewer, Sanitary Sewer, Streetscaping, Road Reconstruction, Illumination, and a roundabout. As part of the above detailed design, GREENLAND® also prepared the Tender Documents and administered the construction contract. <u>Both Phases of the project were completed on-time and on budget.</u>

Beginning at the St. Johns & 6<sup>th</sup> Line Intersection and travelling west along the 6<sup>th</sup> Line, these works required a high degree of coordination and attention to detail. The 6<sup>th</sup> Line Project was divided into several phases, based on the need of the adjacent subdivision.

130.58m @ 0.55%	52.58m @ 0.50%	48.92m @ 0.50%	LOW PT STA 2+440.00 LOW PT ELEY: 226.430 PVI STA24440.00 PVI ELEY226.415 K12.00 LVC: 2.00 LVC: 2.00 23.95m @	
LUW PT STA: 2+290.30 PVI STA LOW PT ELEV: 226.881 PVI ELE PVI STA:2+290.00 K PVI ELEV:226.865 LVC	74: 2+320.00 107: 226.983 2+320.00 ¥227.015 \$1.00 \$2.00	226.689 1 226.689 1 226.689 1 22.6.49	2+434.00 1 55 226.44	HIGH PT 57K 24482.46 HIGH PT 51K 24482.46 PVI 57K-24490.00 PVI 57K-24490.00 PVI 57K-24665 K-25.00 UVC40.09
K:12.00 UVC:12.60 당동 영웅 권학 기반 양반 1	24-132.00	000 100 100 100 100 100 100 100 100 100		5 3-1-468 369 5 3-1-10 5 3-10 5 3
MCS, 2+ MCS, 2	PROPOSED ROAD PROFILE		A SUB-DICAVATED 350m x 100m x 8 EN	2EN
SU-SECTION AND ALL AND	SB-CICHARD AICA SD-CICHARD AICA BD-CICHARD AIC		3000 2000 2000	2004 9 500 500 × 130 × 1300 200 × 130 × 1300
		(224.58) (224.68)		<u>/////////////////////////////////////</u>
45' BENO (223.72)			(224.52) (224.15)	
SHEETY PLATFORM AS PER 0PSD 404.020 (223.64)	45 BE SAFETY PLATEN PER OP50 404 PER OP50 404 (22)	AS (223.75)	(223.05) (223.10)	
(1.5m, 4CTU4.)		0.5m MR. (1.77m ACTUR.)	45' BEND	
				E.

Construction of Phase '1' (St. Johns Sideroad to Angus St.) was completed in the fall 2017.

## Phases '1' and '2' - Example Section of 6th Line Profile View

Construction of Phase '2' (Angus St. to Webster Blvd.) proceeded where Phase '1' was tied into existing and continued to proceed west.

Phase '2' included the <u>design and construction of the first Roundabout</u> within the Town of Innisfil and which opened in December 2019.

Phase '2' of the 6<sup>th</sup> Line Project was completed in the fall 2019.







## Phase '2' – 6th Line Roundabout Plan View



