

SEE PAGE 3



544

SEE PAGE 4

2	ISSUED FOR REVIEW (90%)
1	ISSUED FOR REVIEW (60%)
0	ISSUED FOR REVIEW (30%)

		DISCLAIMER:
		1. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
-08	MW	2. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
-17	MW	
-25	MW	

3. HYDRO AND BELL POLES ARE TO BE SUPPORTED AS PER THE RESPECTIVE UTILITY REQUIREMENTS.
4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GAS VALVES TO BE ADJUSTED TO FINISH GRADE.
5. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT USE EXTREME CAUTION.

BASE
DESIGN
CHECK

MW

GEODETIC BENCH
No. 9338022
Iron pipe with tag
situated on the
corner of Drury
Sunnylea Drive,
of centerline Drury
9.0m east of corner
Sunnylea Drive,
northeast of street
14.9m south of corner





ST. CATHARINES

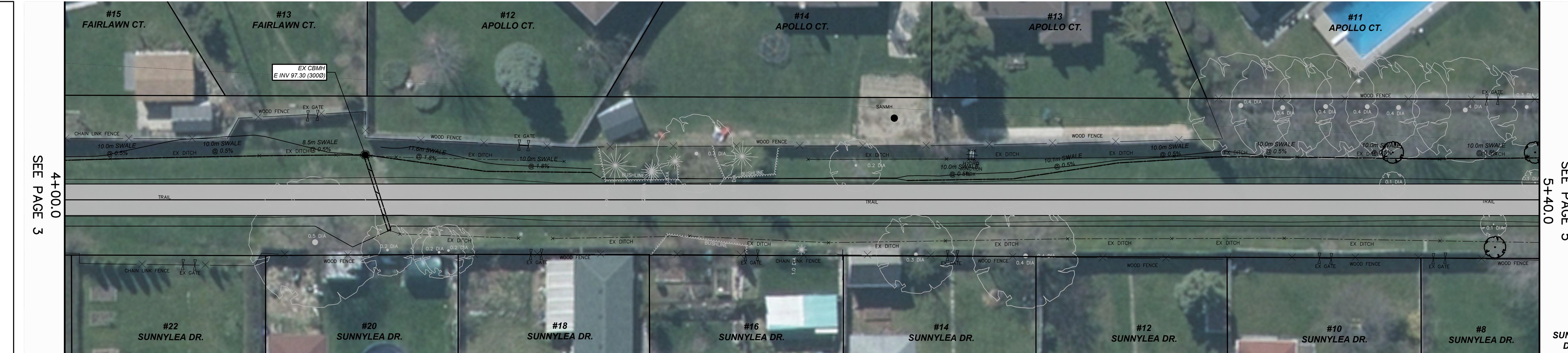
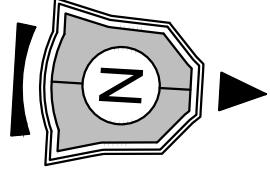
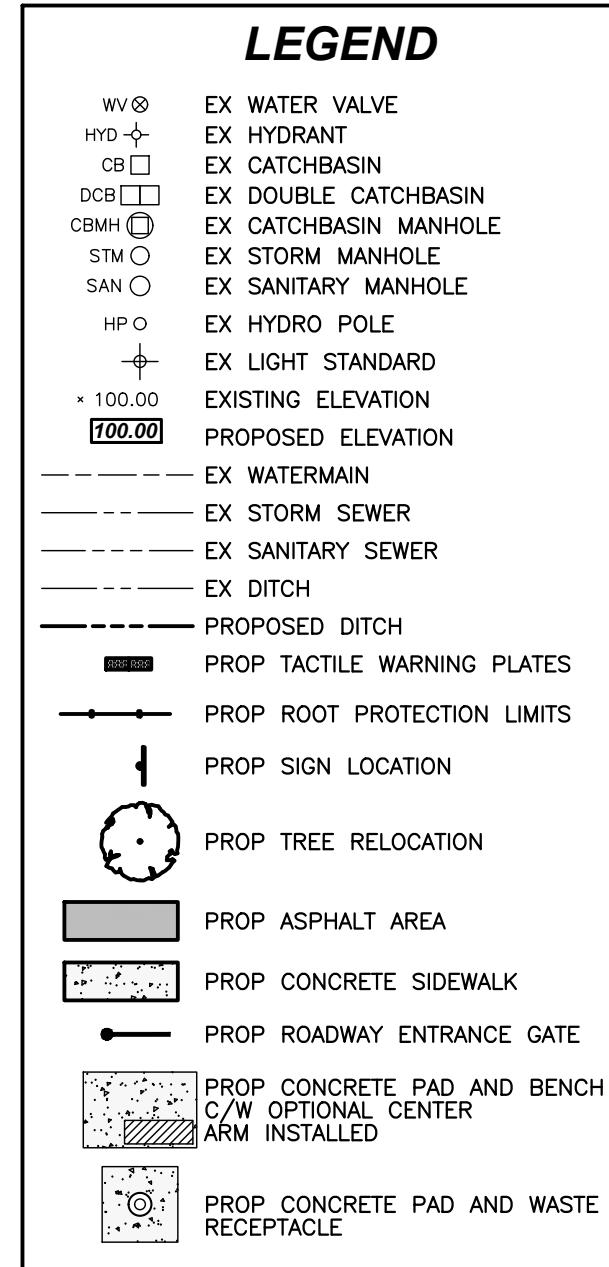
GRANTHAM RAIL TRAIL

GRANTHAM RAIL TRAIL

Plan View

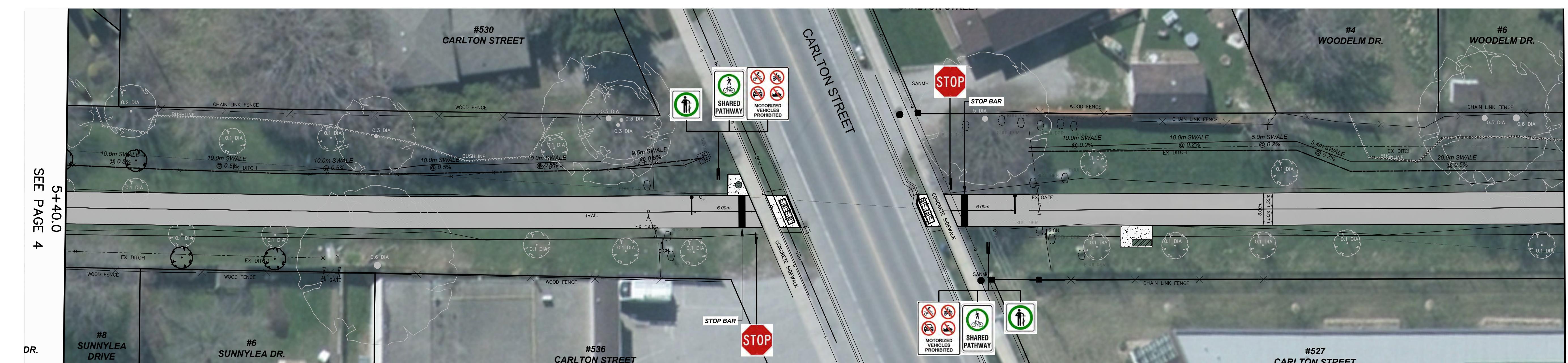
Station 0+00 to 4+00

D NOTES 100-
E 2022-07-08
LE 1: 200
G.No.
N.REF.No. R

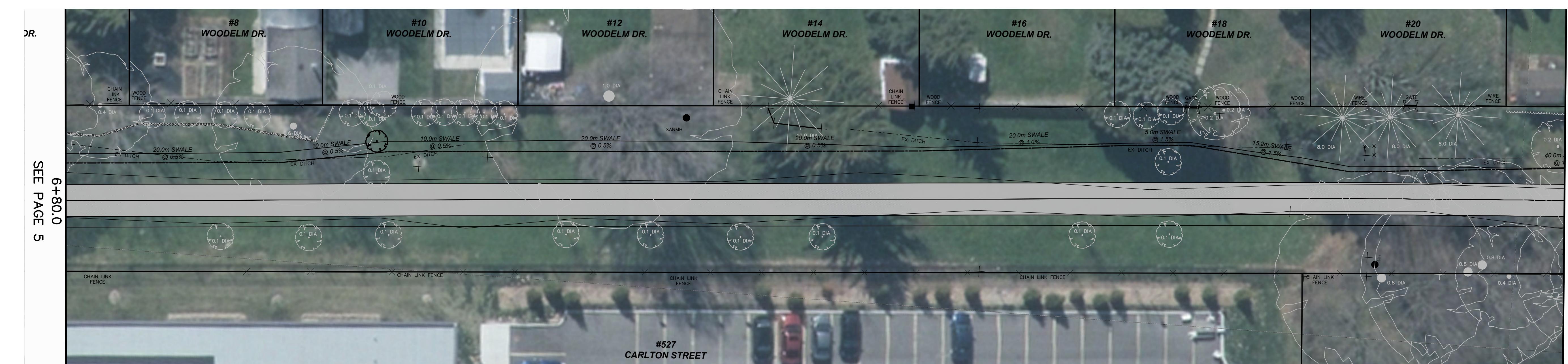


SEE PAGE 5

#6 SUNNYLEA DR.



SEE PAGE 6



SEE PAGE 7

2	ISSUED FOR REVIEW (90%)	2022-07-08 MW
1	ISSUED FOR REVIEW (60%)	2022-06-17 MW

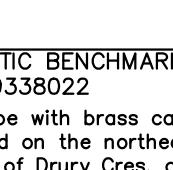
DISCLAIMER:

1. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN, SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, ARE ACCORDING TO THE LOCATION SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
2. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
3. HYDRO AND BELL POLES ARE TO BE SUPPORTED AS PER THE RESPECTIVE UTILITY REQUIREMENTS.
4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GATE VALVES TO BE ADJUSTED TO FINISH GRADE.
5. ALL PIPES SHALL BE SCAFFOLDED AS REQUIRED.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT - USE EXTREME CAUTION.

1. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN, SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, ARE ACCORDING TO THE LOCATION SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
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- 4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GATE VALVES TO BE ADJUSTED TO FINISH GRADE.
- 5. ALL PIPES SHALL BE SCAFFOLDED AS REQUIRED.
- 6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- 7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT - USE EXTREME CAUTION.

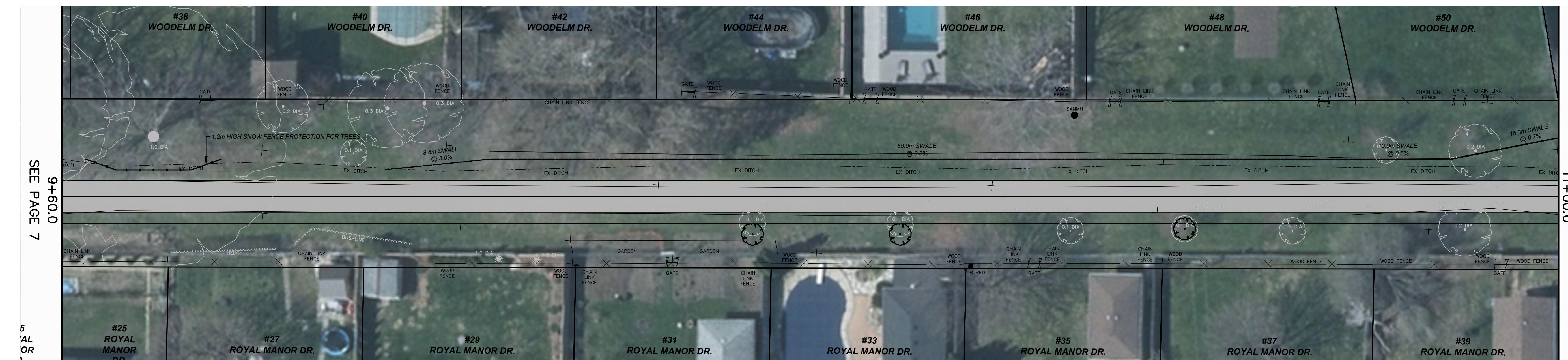
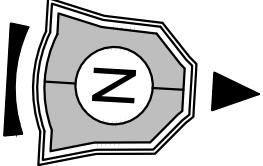
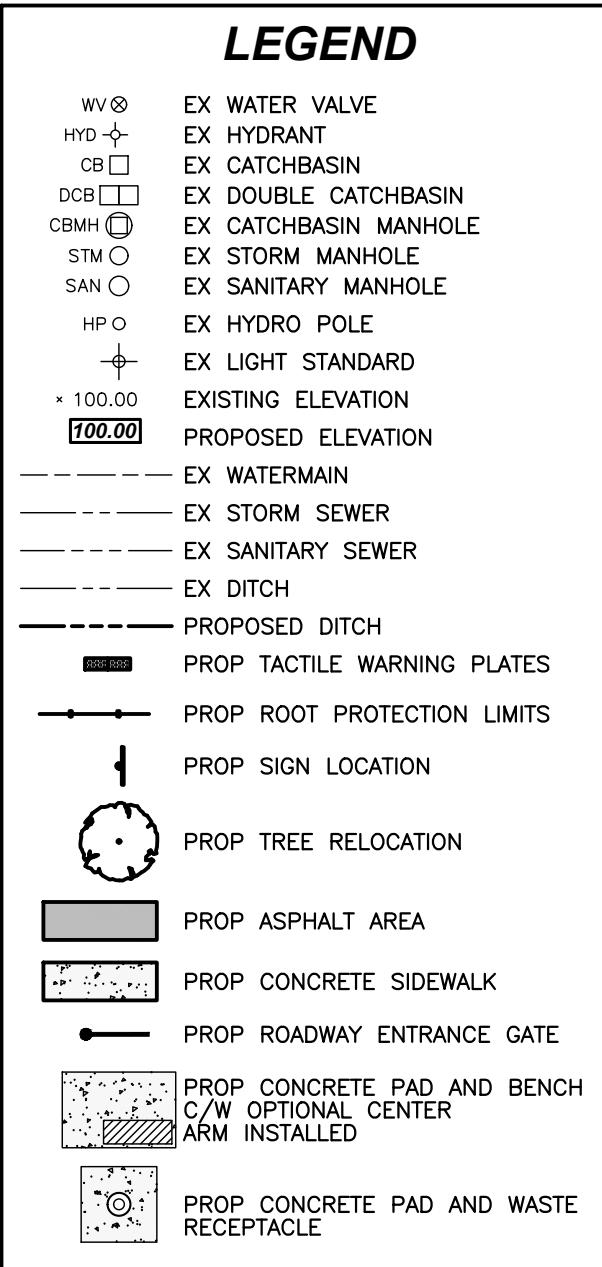
BASE PLAN
MW
DESIGN
CHECKED BY

GEODETIC BENCHMARK
No. 9338022
Iron pipe with brass cap
situated on the northeast corner of Sunnymead Drive 10.0m north of centerline Drury Cres., 9.0m east of centerline Sunnymead Dr., 1.0m northeast of street sign, 14.9m south of hydrant.
ELEVATION: 99.908m



ST. CATHARINES
GRANTHAM RAIL TRAIL
GRANTHAM RAIL TRAIL
Plan View
Station 4+00 to 8+20

FIELD NOTES 100-
DATE 2022-07-08
SCALE 1:200
DWG.No.
MUN.REF.No.
REV. 2



#66
WOODLM DRIV

SEE PAGE 10
12+40.0

DISCLAIMER:

- THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN, SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, ARE ACCORDING TO THE LOCATION SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
- BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

3. HYDRO AND BELL POLES ARE TO BE SUPPORTED AS PER THE RESPECTIVE UTILITY REQUIREMENTS.
4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GAS VALVES TO BE ADJUSTED TO FINISH GRADE.
5. ALL PIPES ARE TO BE TESTED AND LEAKS TO BE MADE GOOD.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT – USE EXTREME CAUTION.

BASE PLAN

MW
DESIGN

CHECKED BY

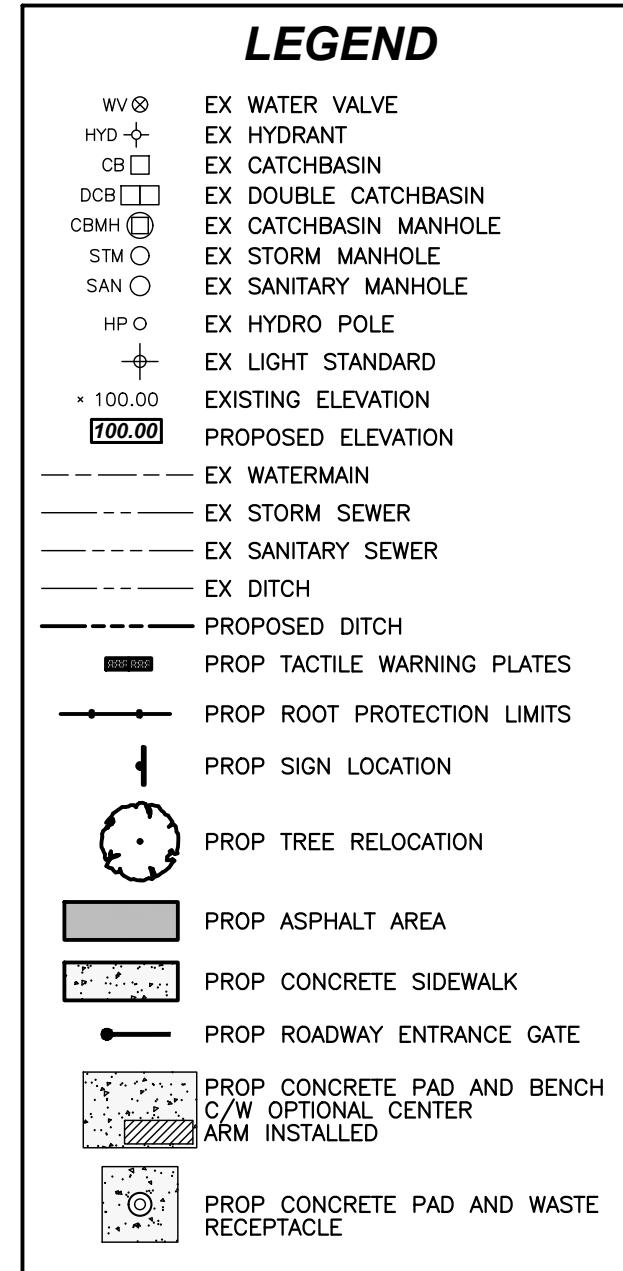
GEODETIC BENCHMARK
No. 9338022
Iron pipe with brass cap
situated on the northeast corner of centerline Drury Cres.
and Sunnyside Dr. 10.0m north
of centerline Drury Cres.,
9.0m east of centerline Sunnyside Dr.,
0.6m northeast of street sign,
14.9m south of hydrant.
ELEVATION: 99.908m



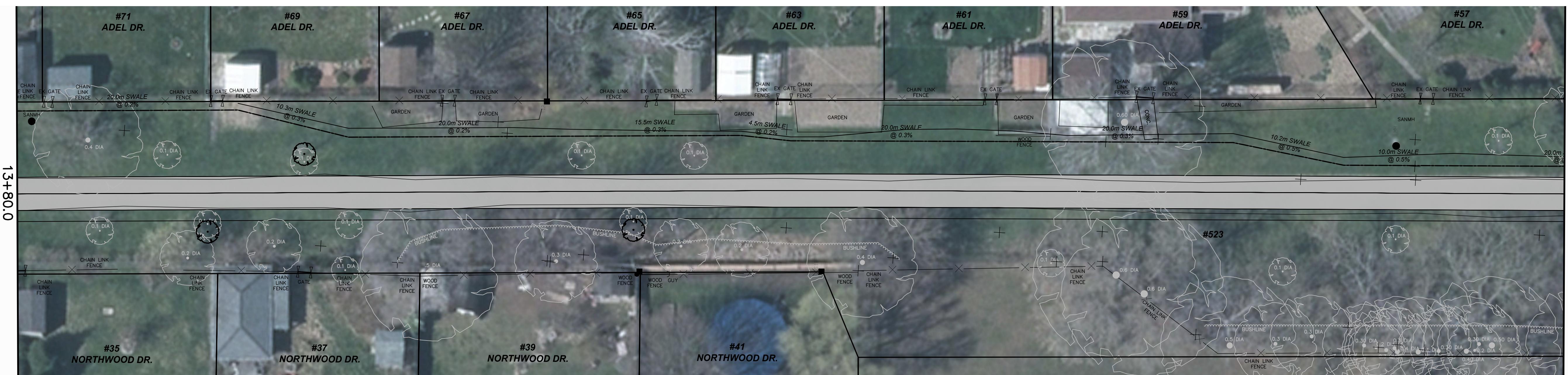
ST. CATHARINES
GRANTHAM RAIL TRAIL
GRANTHAM RAIL TRAIL
Plan View
Station 8+20 to 12+40

FIELD NOTES 100–
DATE 2022-07-08
SCALE 1:200
DWG.No.
MUN.REF.No.
REV. 2

2	ISSUED FOR REVIEW (90%)	2022-07-08	MW
1	ISSUED FOR REVIEW (60%)	2022-06-17	MW
0	ISSUED FOR REVIEW (30%)	2022-05-25	MW
NO.	REVISION	DATE	INIT.



ADE



ADE



ADE

DISCLAIMER:

1. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN, SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, ACCURACY OF THE LOCATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
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5. ALL PIPES SHALL BE SCAFFOLDED AS REQUIRED.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT – USE EXTREME CAUTION.

BASE PLAN
MW
DESIGN
CHECKED BY

GEOSTATIC BENCHMARK
No. 9338022
Iron pipe with brass cap situated on the northeast corner of the property located on Sunnyside Drive, 10.0m north of centerline Drury Cres., 9.0m east of centerline Sunnyside Dr., 10.0m northeast of street sign, 14.9m south of hydrant.
ELEVATION: 99.908m

ST. CATHARINES
GRANTHAM RAIL TRAIL
Plan View
Station 12+40 to 16+60

FIELD NOTES 100–
DATE 2022-07-08
SCALE 1:200
DWG.No.
MUN.REF.No.
REV. 2

2	ISSUED FOR REVIEW (90%)	2022-07-08	MW
1	ISSUED FOR REVIEW (60%)	2022-06-17	MW
0	ISSUED FOR REVIEW (30%)	2022-05-25	MW
NO.	REVISION	DATE	INIT.



SEE PAGE 14

1000

1



SEE PAGE 15

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SEE PAGE 16

ZOOLOGIA

		DISCLAIMER:	<p>1. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN, SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.</p> <p>2. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.</p>
2022-07-08	MW		
2022-06-17	MW		
2022-05-25	MW		

3. HYDRO AND BELL POLES ARE TO BE SUPPORTED AS PER THE RESPECTIVE UTILITY REQUIREMENTS.
4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GAS VALVES TO BE ADJUSTED TO FINISH GRADE.
5. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT – USE EXTREME CAUTION.

BASE PLAN	MR
DESIGN	
CHECKED BY	

GEODETIC BENCHM
No. 9338022
Iron pipe with brass
situated on the north
corner of Drury Cres
Sunnylea Drive, 10.
of centerline Drury
9.0m east of center
Sunnylea Drive, 2.7m
northeast of street
14.9m south of hyd





ST. CATHARINES

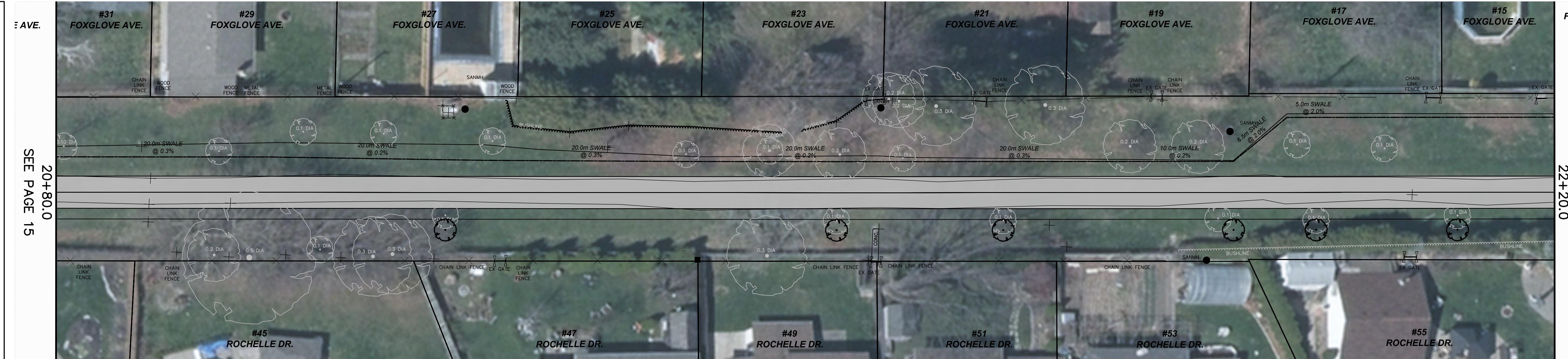
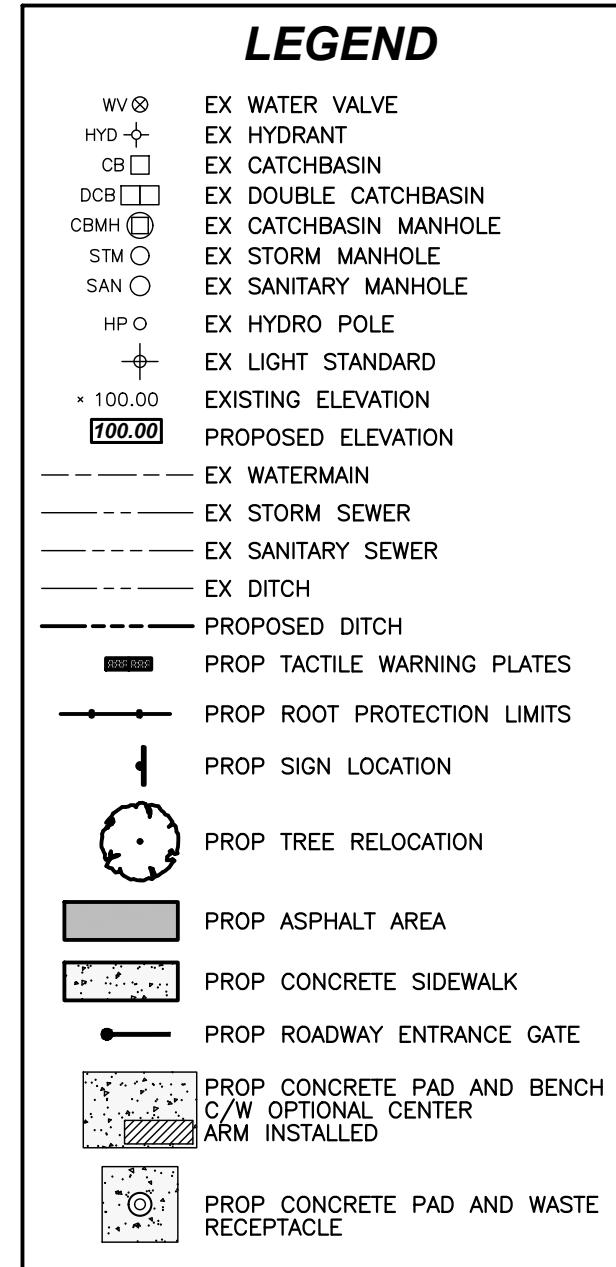
GRANTHAM RAIL TRAIL

GRANTHAM RAIL TRAIL

Plan View

Station 16+60 to 20+80

FIELD	NOTES	100-
DATE	2022-07-08	
SCALE	1: 200	
DWG.No.		
MUN.REF.No.		R



#15 FOXGL
AVE

SEE PAGE 17

22+20.0



SEE PAGE 18

23+60.0



SEE PAGE 19

25+00.0

2	ISSUED FOR REVIEW (90%)	2022-07-08	MW
1	ISSUED FOR REVIEW (60%)	2022-06-17	MW
0	ISSUED FOR REVIEW (30%)	2022-05-25	MW

DISCLAIMER:

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- BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
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- ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GATE VALVES TO BE ADJUSTED TO FINISH GRADE.
- ALL PIPE SPLITS ARE TO BE ADJUSTED TO FINISH GRADE.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT - USE EXTREME CAUTION.

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7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT - USE EXTREME CAUTION.

BASE PLAN

MW

DESIGN

CHECKED BY

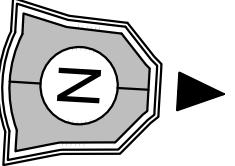
GEODETIC BENCHMARK
No. 9338022
Iron pipe with brass cap
situated on the northeast corner of Sunnymead Drive 10.0m north of centerline Drury Cres., 9.0m east of centerline Sunnymead Dr., 10.0m northeast of street sign, 14.9m south of hydrant.
ELEVATION: 99.908m



ST. CATHARINES
GRANTHAM RAIL TRAIL
GRANTHAM RAIL TRAIL
Plan View
Station 20+80 to 25+00

FIELD NOTES 100-
DATE 2022-07-08
SCALE 1:200
DWG.No.
MUN.REF.No.
REV. 2

NO. REVISION DATE INIT.



LEGEND

LEGEND

WV	EX WATER VALVE
HYD	EX HYDRANT
CB	EX CATCHBASIN
DCB	EX DOUBLE CATCHBASIN
CBMH	EX CATCHBASIN MANHOLE
STM	EX STORM MANHOLE
SAN	EX SANITARY MANHOLE
HP	EX HYDRO POLE
	EX LIGHT STANDARD
* 100.00	EXISTING ELEVATION
100.00	PROPOSED ELEVATION
	EX WATERMAIN
	EX STORM SEWER
	EX SANITARY SEWER
	EX DITCH
	PROPOSED DITCH
	PROP TACTILE WARNING PLATES
	PROP ROOT PROTECTION LIMITS
	PROP SIGN LOCATION
	PROP TREE RELOCATION
	PROP ASPHALT AREA
	PROP CONCRETE SIDEWALK
	PROP ROADWAY ENTRANCE GATE
	PROP CONCRETE PAD AND BENCH C/W OPTIONAL CENTER ARM INSTALLED
	PROP CONCRETE PAD AND WASTE RECEPTACLE

SEE PAGE 18

25+00.0

2

This aerial photograph shows a residential area with a superimposed utility map. The map includes:

- HDPE CULV:** Two horizontal lines labeled "200Ø HDPE CULV" representing HDPE culverts.
- SWALE:** Several swales with varying widths and gradients, such as "4.0m SWALE @ 1.0%", "20.0m SWALE @ 0.9%", "9.0m SWALE @ 0.5%", and "20.0m SWALE @ 0.5%".
- FENCES:** Various types of fences including "CHAIN LINK FENCE", "WOOD FENCE", and "METAL FENCE".
- PARKING LOTS:** "ASPHALT PARKING LOT" and "SANMH HOLY CROSS ACCESS".
- EX GATE:** An exit gate located near several fence lines.
- NOTES:** "SEE PAGE 18" on the left, "SEE NOTE (EAVES OUTLET)" near the bottom center, and property numbers like #85, #87, #89, #91, #93, #95, and #99 along Rochelle Dr.

JLL PAGE 20

SEE PAGE 19

26+40.0

27+80.0

SEE PAGE 20

27+80.0

This aerial photograph shows a road construction project in progress. The top portion of the image displays a section of Rochelle Dr. (labeled #85, #87, #89, #91, #93, #95, and #97) and Linwell Rd. (labeled #469 and #473). A large asphalt parking lot is visible on the left. Construction details include a 2000 HDPE CULV (culvert), various drainage features like swales and ditches, and utility markers such as 'EX GATE' and 'EX CB S INV 88.72 (2000)'. A stop sign and a 'STOP BAR' are present at an intersection. Shared pathway signs indicate designated areas for walking and cycling. The bottom portion of the image shows a continuation of the road work along Clover Street (labeled #28A) and Weiden Street (labeled #2). Construction equipment and materials are visible along the roadside, and several asphalt parking lots are shown.

SLL PAGE 24

		DISCLAIMER:	<ol style="list-style-type: none">1. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.2. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
7-08	MW		
6-17	MW		
5-25	MW		
E	INIT		

3. HYDRO AND BELL POLES ARE TO BE SUPPORTED AS PER THE RESPECTIVE UTILITY REQUIREMENTS.
4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GAS VALVES TO BE ADJUSTED TO FINISH GRADE.
5. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT – USE EXTREME CAUTION.

	BASE PLAN
	DESIGN
	CHECKED BY

	<p>GEODETIC BENCHMARK No. 9338022</p> <p>Iron pipe with brass cap situated on the northeast corner of Drury Cres. and Sunnylea Drive, 10.0m north of centerline Drury Cres., 9.0m east of centerline Sunnylea Drive, 2.7m northeast of street sign, 14.9m south of hydrant.</p> <p>ELEVATION: 99.908m</p>
--	--





ST. CATHARINES

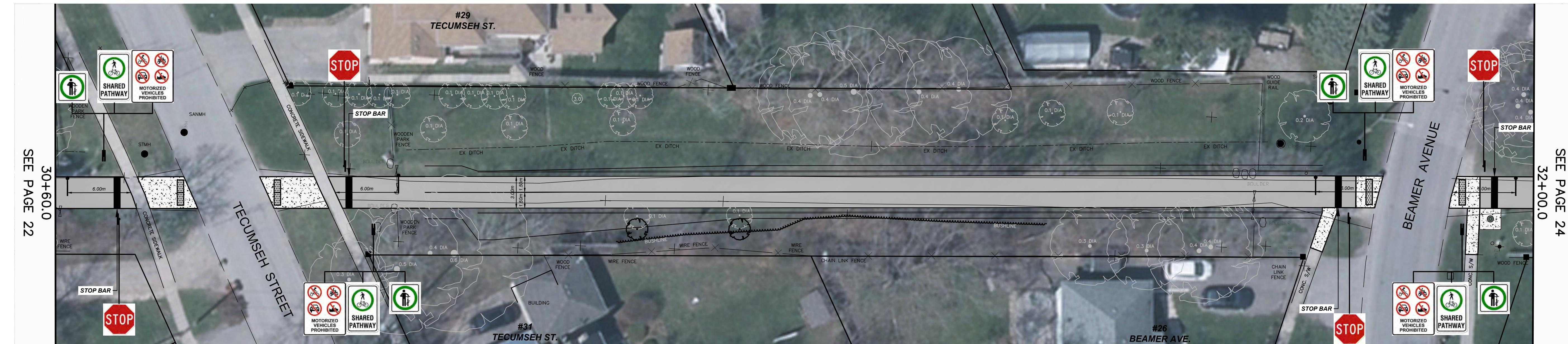
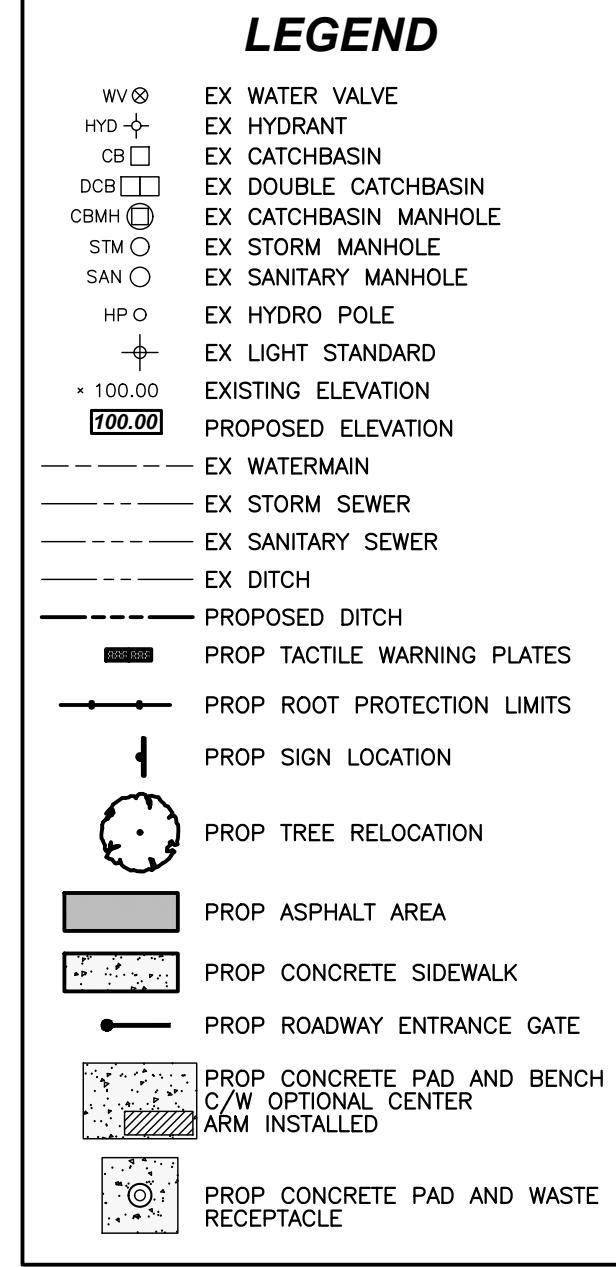
GRANTHAM RAIL TRAIL

GRANTHAM RAIL TRAIL

Plan View

Station 25+00 to 29+20

FIELD NOTES 100-
DATE 2022-07-08
SCALE 1: 200
DWG.No.
MUN.REF.No. R



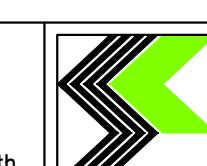
		DISCLAIMER:	<ol style="list-style-type: none">1. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAIN, SEWER AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.2. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
8	MW		
7	MW		
25	MW		

3. HYDRO AND BELL POLES ARE TO BE SUPPORTED AS PER THE RESPECTIVE UTILITY REQUIREMENTS.
4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GAS VALVES TO BE ADJUSTED TO FINISH GRADE.
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6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT – USE EXTREME CAUTION.

BASE PLAN	MY
DESIGN	
CHECKED BY	

GEODETIC BENCHMARK
No. 9338022

Iron pipe with brass cap
situated on the north east
corner of Drury Cres.
Sunnylea Drive, 10.0m
west of centerline Drury Cres.
9.0m east of centerline
Sunnylea Drive, 2.7m
northeast of street sign
14.9m south of hydro pole





ST. CATHARINES

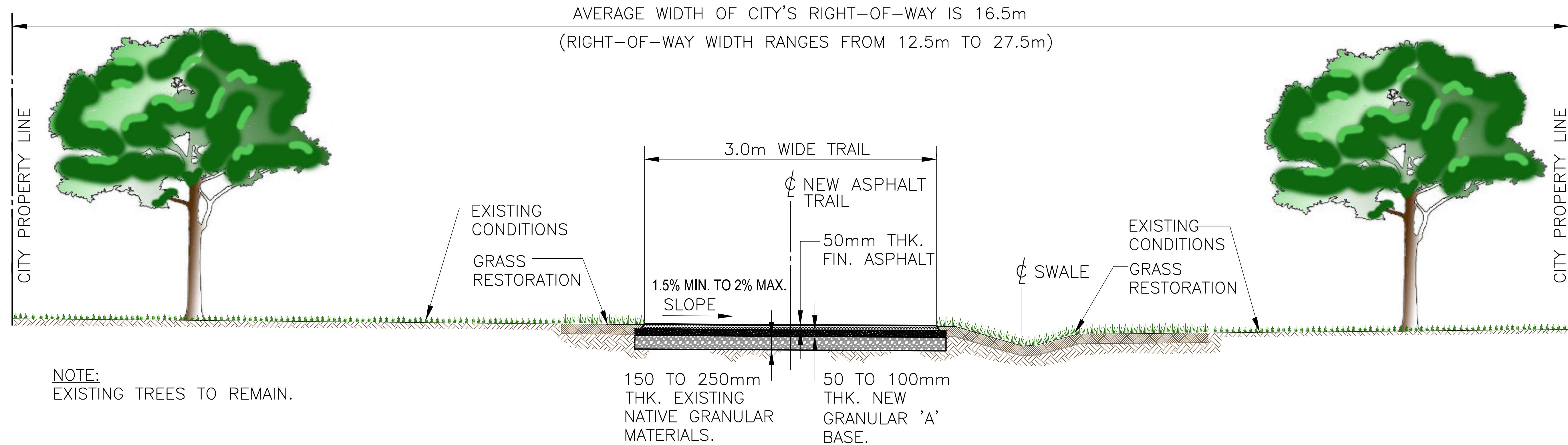
GRANTHAM RAIL TRAIL

GRANTHAM RAIL TRAIL

Plan View

Station 29+20 to 33+10

FIELD NOTES	100-
DATE	2022-07-08
SCALE	1: 200
DWG.No.	
MUN.REF.No.	R



TYPICAL CROSS SECTION OF THE NEW GRANTHAM RAIL TRAIL IMPROVEMENTS PAVED MULTI-USE PATHWAY

			DISCLAIMER:
2	ISSUED FOR REVIEW (90%)	2022-07-08	MW
1	ISSUED FOR REVIEW (60%)	2022-06-17	MW
0	ISSUED FOR REVIEW (30%)	2022-05-25	MW
NO.	REVISION	DATE	INIT.

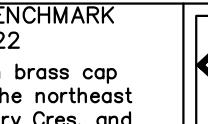
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3. HYDRO AND BELL POLES ARE TO BE SUPPORTED AS PER THE RESPECTIVE UTILITY REQUIREMENTS.
4. ALL MANHOLE FRAMES, CATCH BASIN FRAMES, WATER VALVES AND GAS VALVES TO BE ADJUSTED TO FINISH GRADE.
5. ALL PIPE SPLASHERS ARE TO BE REMOVED AS THEY ARE NOT REQUIRED.
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
7. HIGH PRIORITY FIBRE OPTIC BELL AND COGECO CABLES ARE PRESENT – USE EXTREME CAUTION.

BASE PLAN
MW

DESIGN

CHECKED BY

GEODEMIC BENCHMARK
No. 9338022
Iron pipe with brass cap
situated on the northeast corner of Drury Cres. and
Sunnybrae Dr. 10.0m north
of centerline Drury Cres.,
9.0m east of centerline
Sunnybrae Dr. 10.0m
northeast of street sign,
14.9m south of hydrant.
ELEVATION: 99.908m



ST. CATHARINES
GRANTHAM
RAIL TRAIL

GRANTHAM RAIL TRAIL
GRANTHAM
RAIL TRAIL
TYPICAL CROSS SECTION

FIELD NOTES 100–
DATE 2022-07-08
SCALE N.T.S.
DWG.No.
MUN.REF.No.
REV. 2